Full wwPDB NMR Structure Validation Report (i)

Mar 10, 2026 – 01:03 AM UTC

PDB ID	:	6S3W / pdb_00006s3w
BMRB ID	:	27397
Title	:	Solution NMR Structure of TolAIII Bound to a Peptide Derived from the N-terminus of TolB
Authors	:	Kleanthous, C.; Redfield, C.; Rajasekar, K.; Holmes, P.
Deposited on	:	2019-06-26

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:

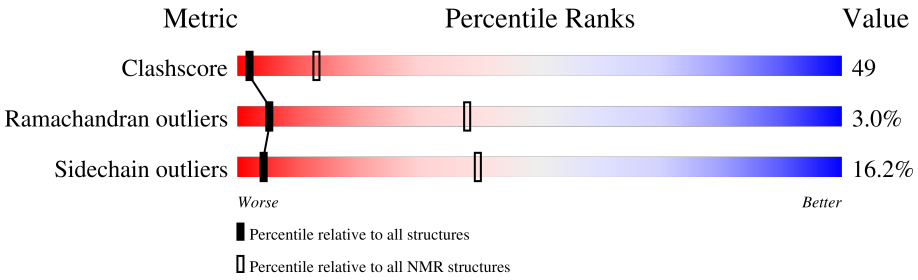
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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 88%.

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	B	13	23% 15% 62%
2	A	124	18% 42% 12% 28%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 3 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	B:3-B:7, A:254-A:342 (94)	0.30	3

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

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

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

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

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 2110 atoms, of which 1056 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called TolBp.

Mol	Chain	Residues	Atoms					Trace
			Total	C	H	N	O	
1	B	13	182	54	90	17	21	0

- Molecule 2 is a protein called Cell envelope integrity/translocation protein TolA.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
2	A	124	1928	591	966	176	191	4	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	224	HIS	-	expression tag	UNP A0A454LZ61
A	225	MET	-	expression tag	UNP A0A454LZ61

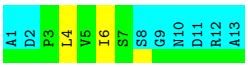
4 Residue-property plots

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.

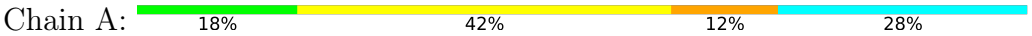
• Molecule 1: TolBp

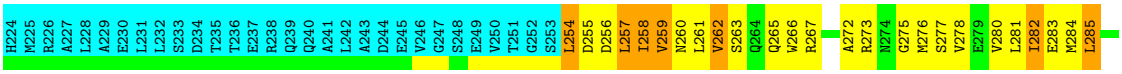
Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:





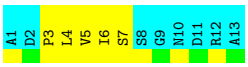
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

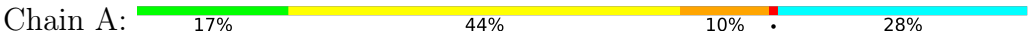
• Molecule 1: TolBp

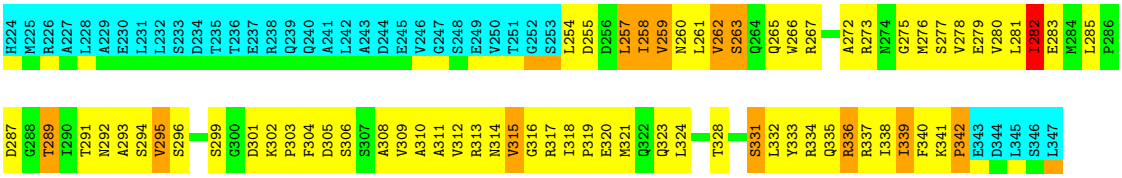
Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:

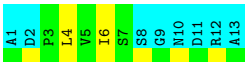




4.2.2 Score per residue for model 2

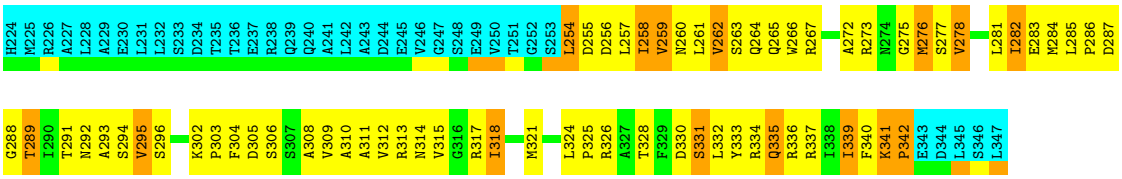
• Molecule 1: TolBp

Chain B: 23% 15% 62%



• Molecule 2: Cell envelope integrity/translocation protein TolA

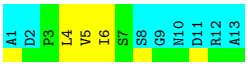
Chain A: 18% 42% 12% 28%



4.2.3 Score per residue for model 3 (medoid)

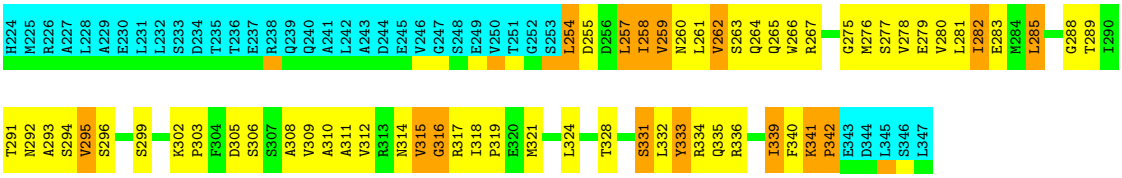
• Molecule 1: TolBp

Chain B: 15% 23% 62%



• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A: 23% 36% 12% 28%



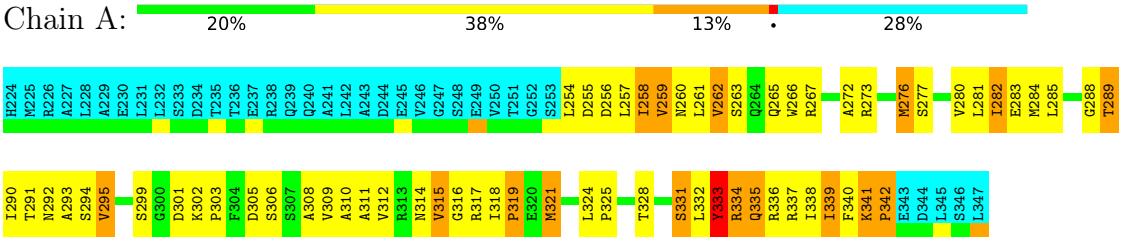
4.2.4 Score per residue for model 4

• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:



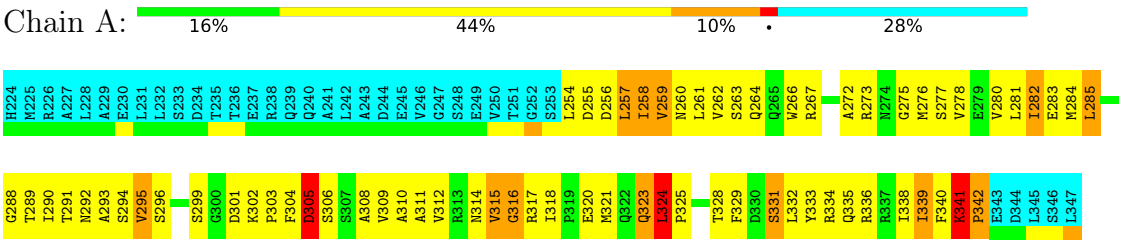
4.2.5 Score per residue for model 5

• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:



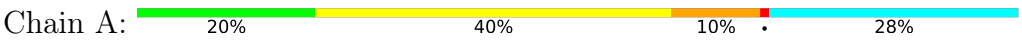
4.2.6 Score per residue for model 6

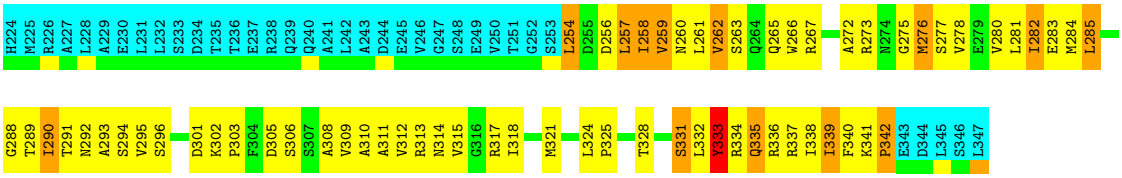
• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:





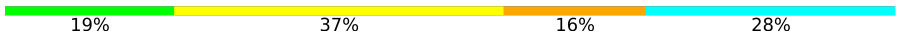
4.2.7 Score per residue for model 7

• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

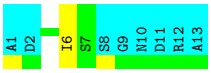
Chain A:



4.2.8 Score per residue for model 8

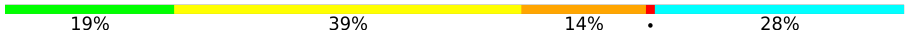
• Molecule 1: TolBp

Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

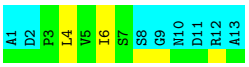
Chain A:



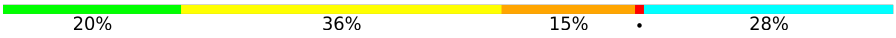
4.2.9 Score per residue for model 9

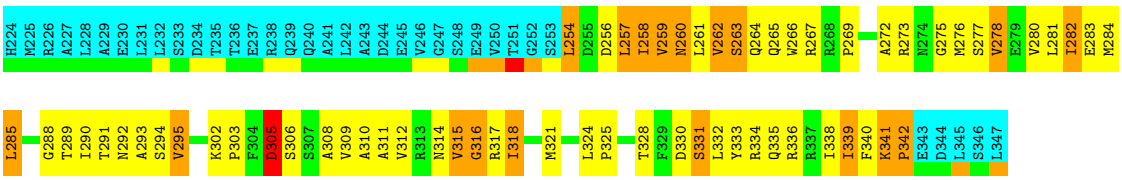
• Molecule 1: TolBp

Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

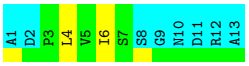
Chain A: 



4.2.10 Score per residue for model 10

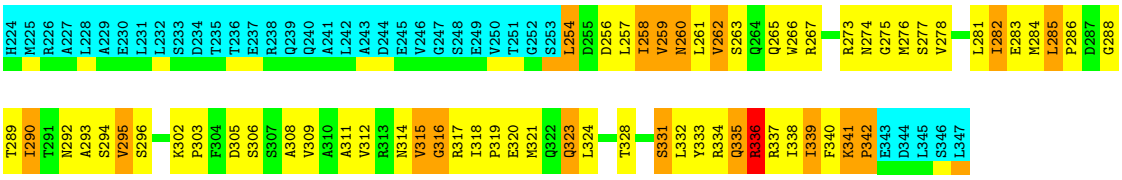
• Molecule 1: TolBp

Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

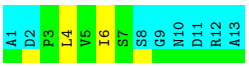
Chain A:



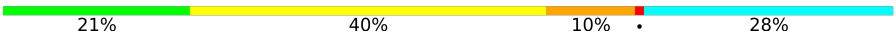
4.2.11 Score per residue for model 11

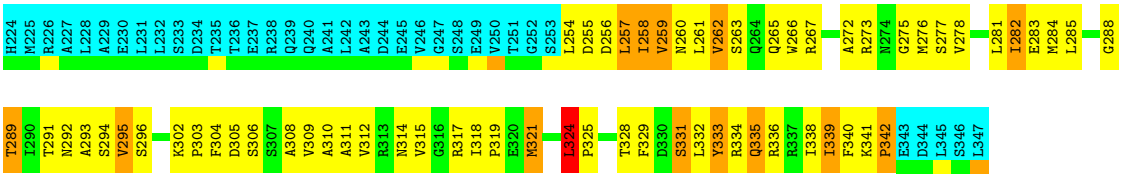
• Molecule 1: TolBp

Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

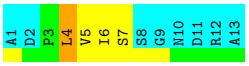
Chain A: 



4.2.12 Score per residue for model 12

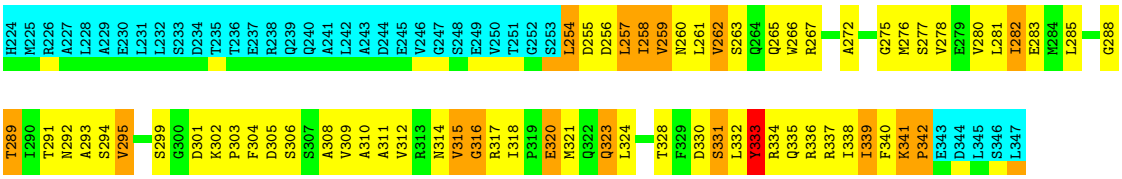
• Molecule 1: TolBp

Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

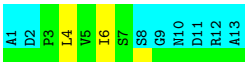
Chain A:



4.2.13 Score per residue for model 13

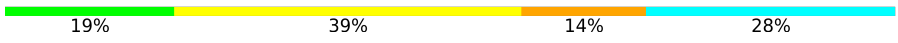
• Molecule 1: TolBp

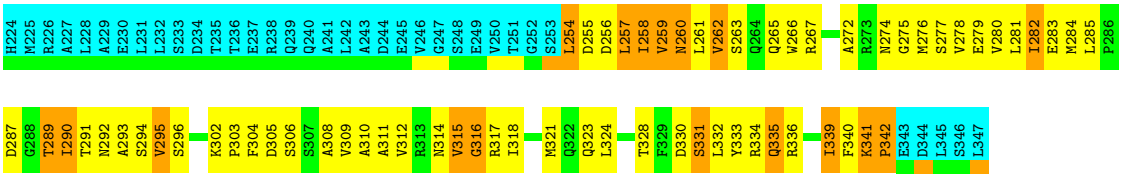
Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:

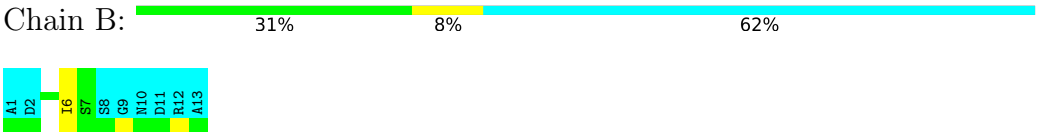




4.2.14 Score per residue for model 14

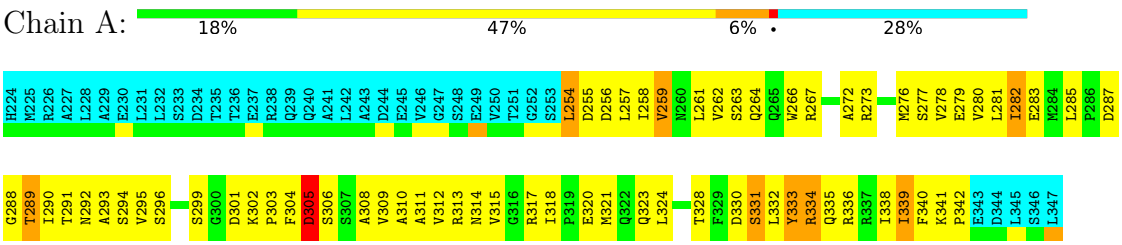
• Molecule 1: TolBp

Chain B:



• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:



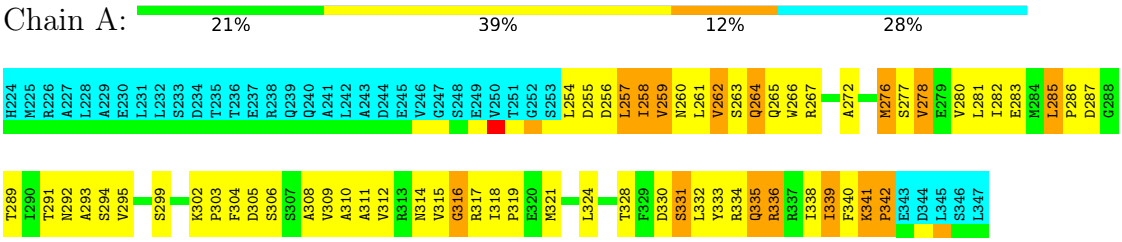
4.2.15 Score per residue for model 15

• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:



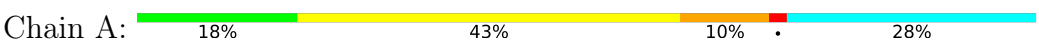
4.2.16 Score per residue for model 16

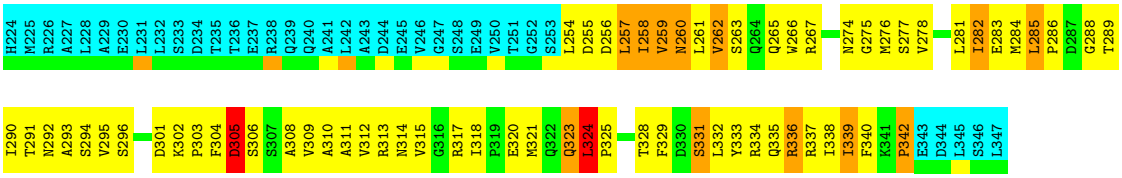
• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:





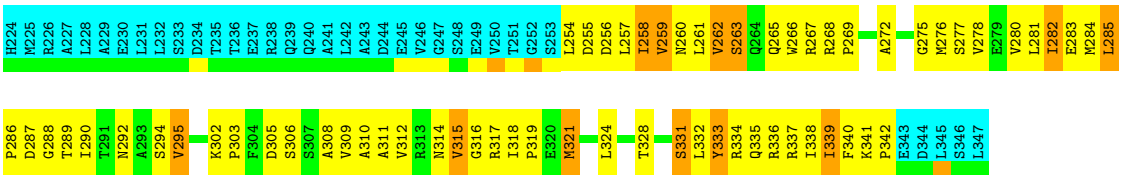
4.2.17 Score per residue for model 17

• Molecule 1: TolBp

Chain B: 15% 23% 62%

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A: 20% 42% 10% 28%



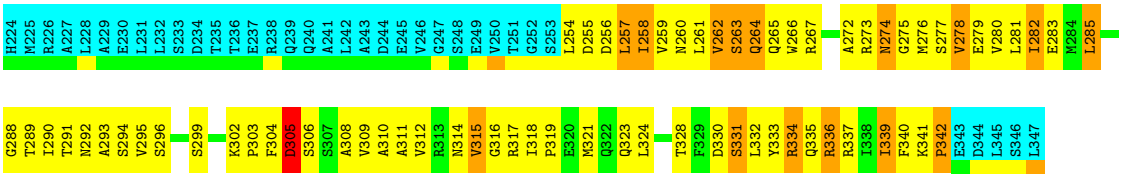
4.2.18 Score per residue for model 18

• Molecule 1: TolBp

Chain B: 15% 23% 62%

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A: 16% 43% 12% 28%



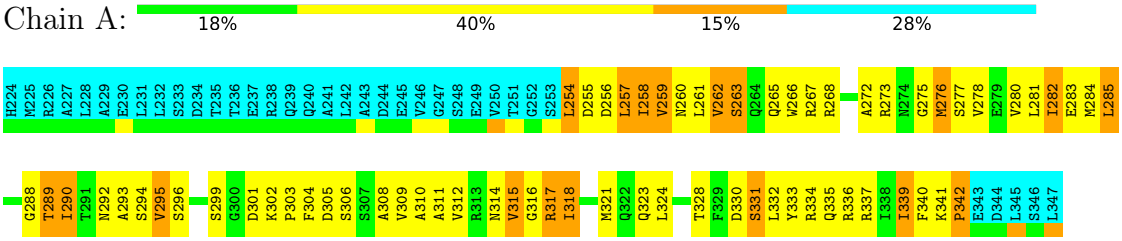
4.2.19 Score per residue for model 19

• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:



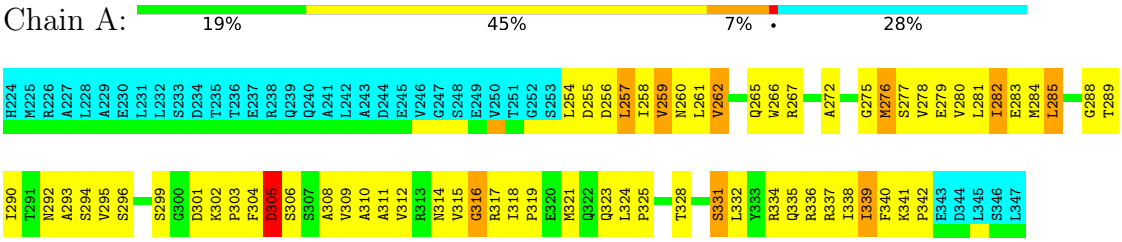
4.2.20 Score per residue for model 20

• Molecule 1: TolBp

Chain B:

• Molecule 2: Cell envelope integrity/translocation protein TolA

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 600 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
ARIA	structure calculation	2.3
CNS	structure calculation	1.2

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	2
Total number of shifts	1554
Number of shifts mapped to atoms	1554
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	88%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	B	0.60±0.05	0±0/37 (0.0± 0.0%)	0.75±0.11	0±0/51 (0.0± 0.0%)
2	A	1.16±0.02	2±1/712 (0.3± 0.1%)	1.24±0.03	4±2/966 (0.4± 0.2%)
All	All	1.14	37/14980 (0.2%)	1.22	75/20340 (0.4%)

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

Mol	Chain	Chirality	Planarity
2	A	0.0±0.0	0.5±0.6
All	All	0	10

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
2	A	282	ILE	CA-C	-5.83	1.47	1.52	1	1
2	A	257	LEU	CA-CB	-5.51	1.44	1.53	3	15
2	A	295	VAL	CA-CB	-5.31	1.47	1.54	17	6
2	A	295	VAL	N-CA	-5.25	1.40	1.46	11	12
2	A	333	TYR	CE2-CZ	5.19	1.50	1.38	4	3

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
2	A	324	LEU	CA-C-N	7.32	127.30	119.76	11	3
2	A	324	LEU	C-N-CA	7.32	127.30	119.76	11	3
2	A	305	ASP	CA-CB-CG	6.54	119.14	112.60	18	6
2	A	259	VAL	N-CA-CB	-6.34	101.91	110.54	5	19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
2	A	341	LYS	CA-C-N	6.30	127.72	119.84	11	14
2	A	341	LYS	C-N-CA	6.30	127.72	119.84	11	14
2	A	318	ILE	CA-C-N	5.61	124.81	118.97	2	4
2	A	318	ILE	C-N-CA	5.61	124.81	118.97	2	4
2	A	264	GLN	N-CA-C	-5.57	105.74	112.54	5	8

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
2	A	333	TYR	Sidechain	8
2	A	304	PHE	Sidechain	1
2	A	336	ARG	Sidechain	1

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	B	36	43	43	7±2
2	A	699	712	712	72±4
All	All	14700	15100	15100	1450

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 49.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:272:ALA:HA	2:A:276:MET:SD	0.92	2.05	18	15
2:A:324:LEU:C	2:A:324:LEU:HD12	0.82	2.00	11	3
2:A:254:LEU:HB2	2:A:333:TYR:OH	0.81	1.75	17	9
2:A:258:ILE:HG13	2:A:318:ILE:HD13	0.79	1.55	13	5
2:A:281:LEU:HD11	2:A:335:GLN:HB3	0.79	1.55	12	20
2:A:336:ARG:NE	2:A:336:ARG:HA	0.78	1.91	1	3
2:A:276:MET:HG3	2:A:304:PHE:CE1	0.78	2.12	7	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:6:ILE:HD11	2:A:263:SER:HB3	0.75	1.57	6	9
2:A:266:TRP:CD1	2:A:267:ARG:H	0.74	2.01	8	20
2:A:277:SER:HA	2:A:340:PHE:O	0.72	1.83	14	20
2:A:276:MET:O	2:A:342:PRO:HD2	0.72	1.85	4	17
2:A:258:ILE:HD11	2:A:321:MET:HE1	0.71	1.61	7	4
2:A:321:MET:SD	2:A:321:MET:N	0.70	2.63	7	8
2:A:302:LYS:HA	2:A:305:ASP:OD2	0.70	1.87	16	6
2:A:276:MET:HG3	2:A:304:PHE:CE2	0.70	2.22	2	1
2:A:321:MET:HE1	2:A:333:TYR:CG	0.69	2.23	16	10
2:A:312:VAL:O	2:A:315:VAL:HG22	0.68	1.88	11	18
2:A:257:LEU:O	2:A:261:LEU:HG	0.68	1.89	18	20
2:A:254:LEU:O	2:A:257:LEU:HB2	0.68	1.88	5	20
2:A:336:ARG:HD3	2:A:337:ARG:N	0.67	2.04	10	1
2:A:276:MET:O	2:A:342:PRO:HD3	0.67	1.90	17	1
2:A:277:SER:O	2:A:299:SER:HB3	0.66	1.90	14	10
2:A:277:SER:HB3	2:A:341:LYS:HG3	0.66	1.66	5	5
2:A:277:SER:HB3	2:A:341:LYS:CG	0.65	2.22	8	4
2:A:282:ILE:HD11	2:A:336:ARG:HB3	0.65	1.66	3	9
2:A:282:ILE:CD1	2:A:336:ARG:HB3	0.65	2.22	3	8
2:A:283:GLU:HB2	2:A:292:ASN:CB	0.64	2.22	5	20
2:A:282:ILE:O	2:A:335:GLN:HA	0.64	1.92	8	20
2:A:318:ILE:HG22	2:A:321:MET:SD	0.64	2.32	4	6
2:A:255:ASP:HB2	2:A:336:ARG:NH2	0.64	2.08	3	9
2:A:285:LEU:HB2	2:A:286:PRO:CD	0.63	2.24	17	1
2:A:285:LEU:HD12	2:A:289:THR:O	0.62	1.94	10	4
2:A:324:LEU:HD22	2:A:328:THR:HG21	0.62	1.70	4	17
2:A:336:ARG:HD3	2:A:336:ARG:C	0.62	2.18	10	1
1:B:6:ILE:HD11	2:A:263:SER:CB	0.61	2.24	6	9
2:A:285:LEU:HG	2:A:286:PRO:CD	0.61	2.25	15	2
1:B:6:ILE:HD13	2:A:259:VAL:HG13	0.61	1.70	4	18
2:A:285:LEU:HG	2:A:291:THR:CG2	0.61	2.26	12	13
2:A:308:ALA:HB1	2:A:340:PHE:CZ	0.61	2.31	1	20
2:A:278:VAL:O	2:A:339:ILE:HA	0.61	1.94	18	10
2:A:310:ALA:O	2:A:314:ASN:HB2	0.61	1.96	6	19
2:A:317:ARG:O	2:A:317:ARG:HG2	0.61	1.94	19	5
2:A:277:SER:CB	2:A:341:LYS:HG3	0.61	2.26	5	2
2:A:306:SER:HA	2:A:309:VAL:CG2	0.60	2.26	14	20
2:A:282:ILE:HD11	2:A:312:VAL:HG11	0.60	1.73	4	8
2:A:282:ILE:HG22	2:A:283:GLU:N	0.60	2.12	18	9
2:A:330:ASP:O	2:A:334:ARG:HD3	0.60	1.96	19	4
2:A:289:THR:HA	2:A:317:ARG:HA	0.60	1.74	19	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:306:SER:HA	2:A:309:VAL:HG23	0.59	1.74	3	20
1:B:4:LEU:HD23	2:A:259:VAL:HG21	0.59	1.74	18	8
2:A:282:ILE:HD13	2:A:336:ARG:H	0.59	1.58	19	11
2:A:295:VAL:HG21	2:A:305:ASP:HB3	0.59	1.75	1	14
1:B:4:LEU:HB3	2:A:259:VAL:HG21	0.58	1.75	12	5
2:A:308:ALA:HB1	2:A:340:PHE:CE1	0.58	2.33	16	18
2:A:330:ASP:HA	2:A:334:ARG:CG	0.58	2.29	8	3
2:A:336:ARG:HA	2:A:336:ARG:HH11	0.58	1.59	10	1
2:A:282:ILE:HG12	2:A:336:ARG:O	0.58	1.98	18	7
1:B:6:ILE:HG23	2:A:340:PHE:HA	0.58	1.73	19	17
1:B:6:ILE:HD13	2:A:262:VAL:CG1	0.57	2.29	18	2
2:A:265:GLN:CG	2:A:314:ASN:HB3	0.57	2.30	17	14
2:A:311:ALA:O	2:A:315:VAL:HG13	0.57	2.00	3	15
2:A:285:LEU:HG	2:A:286:PRO:HD2	0.57	1.76	15	2
2:A:309:VAL:HA	2:A:312:VAL:HG22	0.56	1.77	2	20
2:A:258:ILE:CG2	2:A:338:ILE:HD11	0.56	2.30	1	7
2:A:262:VAL:O	2:A:311:ALA:HB1	0.56	2.01	20	20
2:A:320:GLU:O	2:A:323:GLN:HG3	0.56	2.00	5	5
1:B:6:ILE:CG2	2:A:340:PHE:HA	0.56	2.31	14	15
2:A:324:LEU:HD11	2:A:329:PHE:HB2	0.56	1.76	5	3
1:B:7:SER:O	2:A:342:PRO:HA	0.56	2.01	16	3
2:A:318:ILE:O	2:A:321:MET:HG2	0.55	2.02	8	2
2:A:266:TRP:CG	2:A:267:ARG:H	0.55	2.20	19	18
2:A:283:GLU:HB2	2:A:292:ASN:HB3	0.55	1.78	7	18
2:A:319:PRO:HG2	2:A:320:GLU:OE2	0.55	2.02	10	1
2:A:284:MET:SD	2:A:318:ILE:HD13	0.55	2.42	11	2
2:A:324:LEU:C	2:A:324:LEU:CD1	0.55	2.80	5	3
2:A:332:LEU:HB2	2:A:333:TYR:CD2	0.55	2.37	10	8
2:A:285:LEU:HD12	2:A:291:THR:CG2	0.54	2.32	16	2
2:A:308:ALA:HB1	2:A:340:PHE:CE2	0.54	2.36	8	15
2:A:330:ASP:HA	2:A:334:ARG:HB2	0.54	1.80	8	3
2:A:324:LEU:HD13	2:A:328:THR:HB	0.54	1.80	11	3
2:A:321:MET:HE3	2:A:333:TYR:CG	0.54	2.37	7	2
2:A:279:GLU:HB3	2:A:296:SER:OG	0.54	2.03	18	7
2:A:288:GLY:CA	2:A:321:MET:HG2	0.54	2.33	4	4
2:A:288:GLY:HA2	2:A:321:MET:HG2	0.54	1.80	7	4
2:A:258:ILE:HD11	2:A:321:MET:CE	0.54	2.33	7	2
2:A:281:LEU:HD21	2:A:335:GLN:OE1	0.54	2.03	12	1
2:A:266:TRP:CH2	2:A:340:PHE:HB3	0.53	2.37	9	13
2:A:330:ASP:HA	2:A:334:ARG:HB3	0.53	1.80	19	4
2:A:336:ARG:HD2	2:A:336:ARG:C	0.53	2.29	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:289:THR:HA	2:A:316:GLY:O	0.52	2.05	20	8
2:A:331:SER:HB3	2:A:332:LEU:HG	0.52	1.82	3	20
2:A:278:VAL:HG21	2:A:305:ASP:HA	0.52	1.80	15	8
2:A:254:LEU:HB2	2:A:333:TYR:HH	0.52	1.64	12	4
2:A:255:ASP:HB2	2:A:336:ARG:CZ	0.52	2.35	3	2
2:A:315:VAL:CG2	2:A:316:GLY:N	0.52	2.73	18	14
2:A:255:ASP:HB2	2:A:336:ARG:HH21	0.51	1.65	20	1
2:A:295:VAL:HG21	2:A:305:ASP:HB2	0.51	1.83	9	6
2:A:318:ILE:HD12	2:A:318:ILE:N	0.51	2.20	3	10
2:A:280:VAL:HG12	2:A:282:ILE:HG22	0.51	1.82	14	6
2:A:324:LEU:HD22	2:A:328:THR:CG2	0.51	2.35	14	15
2:A:258:ILE:HG13	2:A:318:ILE:HG12	0.51	1.82	17	8
2:A:302:LYS:N	2:A:303:PRO:HD2	0.51	2.21	2	20
2:A:280:VAL:HG12	2:A:282:ILE:CD1	0.51	2.36	18	8
2:A:284:MET:HE2	2:A:333:TYR:O	0.51	2.06	11	3
1:B:6:ILE:HG22	2:A:339:ILE:O	0.50	2.06	6	12
2:A:266:TRP:CG	2:A:267:ARG:N	0.50	2.79	18	19
2:A:257:LEU:O	2:A:260:ASN:HB3	0.50	2.06	19	16
2:A:301:ASP:OD2	2:A:303:PRO:HG2	0.50	2.06	5	7
2:A:308:ALA:O	2:A:311:ALA:HB3	0.50	2.07	13	20
2:A:283:GLU:O	2:A:284:MET:HG3	0.50	2.07	6	9
2:A:287:ASP:HB3	2:A:289:THR:OG1	0.49	2.07	13	2
2:A:282:ILE:N	2:A:282:ILE:HD13	0.49	2.22	12	8
2:A:282:ILE:HG21	2:A:338:ILE:HD12	0.49	1.84	16	7
2:A:282:ILE:CG2	2:A:283:GLU:N	0.49	2.76	12	9
2:A:277:SER:CB	2:A:341:LYS:HE3	0.49	2.38	9	6
1:B:4:LEU:HB2	2:A:259:VAL:HG21	0.49	1.84	15	1
2:A:334:ARG:HG2	2:A:335:GLN:N	0.49	2.23	19	1
2:A:334:ARG:CG	2:A:335:GLN:N	0.48	2.75	15	4
2:A:282:ILE:O	2:A:335:GLN:HG2	0.48	2.08	1	4
2:A:282:ILE:HA	2:A:293:ALA:HA	0.48	1.85	13	11
2:A:276:MET:CG	2:A:304:PHE:CE1	0.48	2.96	19	3
2:A:293:ALA:HB1	2:A:312:VAL:HG21	0.48	1.84	18	12
2:A:281:LEU:CD1	2:A:335:GLN:HB3	0.48	2.34	19	4
2:A:258:ILE:HD13	2:A:333:TYR:CE1	0.48	2.43	6	2
2:A:284:MET:SD	2:A:318:ILE:HD12	0.48	2.48	6	1
2:A:254:LEU:HD22	2:A:333:TYR:CE2	0.48	2.44	7	2
1:B:6:ILE:HD13	2:A:259:VAL:CG1	0.48	2.38	20	10
2:A:288:GLY:HA2	2:A:321:MET:HG3	0.48	1.85	18	7
2:A:290:ILE:HD12	2:A:312:VAL:O	0.48	2.09	10	1
2:A:282:ILE:HG13	2:A:336:ARG:O	0.48	2.09	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:285:LEU:HD11	2:A:289:THR:HB	0.48	1.85	20	3
2:A:265:GLN:HG3	2:A:314:ASN:ND2	0.48	2.23	9	1
2:A:282:ILE:CD1	2:A:338:ILE:HD12	0.48	2.39	1	1
2:A:259:VAL:O	2:A:262:VAL:HG12	0.48	2.08	14	3
2:A:321:MET:HE1	2:A:333:TYR:CD2	0.48	2.43	3	4
2:A:285:LEU:C	2:A:285:LEU:HD13	0.47	2.33	3	4
2:A:260:ASN:HD22	2:A:260:ASN:C	0.47	2.17	16	4
2:A:336:ARG:HA	2:A:336:ARG:NH1	0.47	2.23	10	1
2:A:285:LEU:HB2	2:A:289:THR:O	0.47	2.09	16	1
2:A:309:VAL:O	2:A:312:VAL:HG22	0.47	2.10	13	19
2:A:309:VAL:CA	2:A:312:VAL:HG22	0.47	2.40	2	16
2:A:309:VAL:O	2:A:313:ARG:HG2	0.47	2.09	14	4
1:B:5:VAL:HG13	2:A:341:LYS:HB3	0.47	1.87	3	3
2:A:254:LEU:O	2:A:258:ILE:HD12	0.47	2.10	4	7
2:A:288:GLY:CA	2:A:321:MET:HG3	0.47	2.40	14	5
2:A:265:GLN:OE1	2:A:315:VAL:HG12	0.47	2.10	12	4
1:B:5:VAL:HG23	2:A:341:LYS:HB3	0.47	1.87	6	1
2:A:328:THR:O	2:A:332:LEU:HG	0.46	2.10	9	1
2:A:285:LEU:CG	2:A:286:PRO:HD2	0.46	2.40	15	2
2:A:330:ASP:HA	2:A:334:ARG:CB	0.46	2.40	8	5
2:A:284:MET:CG	2:A:290:ILE:HG12	0.46	2.41	20	5
2:A:265:GLN:HE21	2:A:315:VAL:HG12	0.46	1.69	3	2
2:A:256:ASP:O	2:A:260:ASN:N	0.46	2.49	11	16
2:A:333:TYR:CE1	2:A:336:ARG:HD3	0.46	2.45	13	1
2:A:336:ARG:CZ	2:A:337:ARG:H	0.46	2.24	1	2
2:A:288:GLY:HA3	2:A:318:ILE:O	0.46	2.10	6	3
1:B:6:ILE:HD12	2:A:259:VAL:HG13	0.46	1.86	6	1
2:A:325:PRO:HD2	2:A:328:THR:HB	0.46	1.88	11	8
2:A:315:VAL:O	2:A:317:ARG:HD2	0.46	2.10	8	1
2:A:254:LEU:HB2	2:A:333:TYR:CZ	0.46	2.46	17	3
1:B:6:ILE:HD11	2:A:263:SER:OG	0.46	2.11	3	2
2:A:258:ILE:CG1	2:A:318:ILE:HD13	0.46	2.38	4	1
2:A:285:LEU:C	2:A:287:ASP:H	0.45	2.19	7	5
2:A:286:PRO:HG3	2:A:326:ARG:NE	0.45	2.26	2	1
2:A:280:VAL:O	2:A:337:ARG:HA	0.45	2.12	18	4
2:A:281:LEU:HD13	2:A:337:ARG:CD	0.45	2.41	20	6
2:A:318:ILE:CG2	2:A:321:MET:SD	0.45	3.05	3	3
2:A:285:LEU:CD1	2:A:289:THR:HB	0.45	2.42	20	2
2:A:254:LEU:CB	2:A:333:TYR:OH	0.45	2.63	4	1
2:A:255:ASP:CG	2:A:336:ARG:HH21	0.45	2.18	19	1
2:A:265:GLN:CG	2:A:315:VAL:HG12	0.45	2.41	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:305:ASP:CG	2:A:306:SER:N	0.45	2.74	9	4
2:A:305:ASP:OD1	2:A:306:SER:N	0.45	2.49	16	3
2:A:308:ALA:HB1	2:A:340:PHE:CD1	0.45	2.47	19	8
1:B:4:LEU:HB2	2:A:336:ARG:NH2	0.45	2.26	12	1
2:A:293:ALA:HB3	2:A:313:ARG:NE	0.45	2.27	1	3
2:A:266:TRP:CD1	2:A:308:ALA:HA	0.45	2.47	11	6
2:A:282:ILE:CD1	2:A:336:ARG:H	0.45	2.25	2	2
2:A:269:PRO:HD2	2:A:272:ALA:HB2	0.45	1.89	9	2
2:A:305:ASP:O	2:A:309:VAL:HG23	0.45	2.12	14	5
1:B:6:ILE:CD1	2:A:259:VAL:HG13	0.44	2.41	2	4
2:A:283:GLU:C	2:A:284:MET:HG3	0.44	2.37	7	3
2:A:324:LEU:CD1	2:A:325:PRO:O	0.44	2.65	16	3
2:A:315:VAL:O	2:A:317:ARG:HD3	0.44	2.13	9	1
1:B:4:LEU:HD13	1:B:5:VAL:N	0.44	2.26	1	3
2:A:330:ASP:CA	2:A:334:ARG:HB2	0.44	2.42	8	3
2:A:277:SER:OG	2:A:339:ILE:HG23	0.44	2.12	4	1
2:A:290:ILE:HG13	2:A:315:VAL:CG2	0.44	2.42	6	2
2:A:333:TYR:CD1	2:A:336:ARG:CG	0.44	3.00	16	1
2:A:290:ILE:N	2:A:316:GLY:O	0.44	2.49	19	1
2:A:278:VAL:HG23	2:A:304:PHE:CE1	0.44	2.48	20	2
2:A:309:VAL:O	2:A:312:VAL:CG2	0.44	2.66	8	20
2:A:276:MET:O	2:A:341:LYS:HA	0.44	2.13	18	2
2:A:284:MET:CG	2:A:290:ILE:HA	0.44	2.42	17	2
2:A:258:ILE:HG21	2:A:336:ARG:CG	0.43	2.43	19	4
2:A:282:ILE:HG22	2:A:283:GLU:H	0.43	1.73	17	1
1:B:3:PRO:HA	2:A:337:ARG:O	0.43	2.13	1	2
2:A:278:VAL:CG1	2:A:340:PHE:HB2	0.43	2.44	6	2
2:A:262:VAL:O	2:A:266:TRP:N	0.43	2.52	8	3
2:A:254:LEU:HB3	2:A:333:TYR:CZ	0.43	2.49	8	1
2:A:272:ALA:CA	2:A:276:MET:SD	0.43	2.96	7	3
2:A:308:ALA:HB1	2:A:340:PHE:CD2	0.43	2.49	2	1
2:A:281:LEU:HB2	2:A:296:SER:HB3	0.43	1.90	5	1
2:A:283:GLU:HA	2:A:334:ARG:O	0.43	2.14	4	2
1:B:4:LEU:HB2	2:A:336:ARG:HH22	0.43	1.74	7	1
1:B:7:SER:HA	2:A:341:LYS:O	0.43	2.13	17	1
2:A:285:LEU:HB2	2:A:286:PRO:HD2	0.43	1.89	17	1
2:A:289:THR:HG23	2:A:316:GLY:O	0.42	2.14	3	1
2:A:330:ASP:O	2:A:334:ARG:HD2	0.42	2.14	7	1
2:A:255:ASP:OD1	2:A:336:ARG:HD2	0.42	2.14	1	1
2:A:324:LEU:HD11	2:A:329:PHE:CB	0.42	2.44	16	2
2:A:288:GLY:C	2:A:318:ILE:H	0.42	2.22	18	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:A:254:LEU:HD21	2:A:320:GLU:HB3	0.42	1.90	10	1
2:A:301:ASP:CG	2:A:303:PRO:HG2	0.42	2.39	6	2
2:A:277:SER:HB3	2:A:341:LYS:CB	0.42	2.44	15	1
2:A:336:ARG:HD2	2:A:337:ARG:N	0.42	2.29	18	1
1:B:7:SER:HB3	2:A:342:PRO:C	0.42	2.39	1	1
2:A:258:ILE:HG23	2:A:338:ILE:HD11	0.42	1.91	1	1
2:A:285:LEU:CD1	2:A:287:ASP:HB3	0.42	2.44	17	1
2:A:290:ILE:HD12	2:A:315:VAL:HG22	0.42	1.90	8	2
1:B:6:ILE:HG12	2:A:262:VAL:CG1	0.42	2.44	11	1
2:A:258:ILE:HG21	2:A:336:ARG:HG2	0.42	1.90	8	1
2:A:336:ARG:HA	2:A:336:ARG:HE	0.42	1.68	16	2
2:A:324:LEU:HD12	2:A:325:PRO:N	0.42	2.30	11	1
2:A:285:LEU:CB	2:A:286:PRO:CD	0.42	2.95	17	1
1:B:7:SER:O	2:A:268:ARG:HD3	0.41	2.15	19	1
2:A:266:TRP:HB2	2:A:311:ALA:CB	0.41	2.44	18	1
2:A:277:SER:CB	2:A:341:LYS:HB2	0.41	2.45	4	1
2:A:254:LEU:CD2	2:A:320:GLU:HB2	0.41	2.46	16	1
2:A:289:THR:OG1	2:A:317:ARG:HG2	0.41	2.15	18	1
2:A:273:ARG:O	2:A:275:GLY:N	0.41	2.53	18	1
2:A:285:LEU:HG	2:A:291:THR:HG21	0.41	1.93	5	1
2:A:289:THR:HA	2:A:317:ARG:CA	0.41	2.45	10	3
2:A:283:GLU:HG2	2:A:335:GLN:HG3	0.41	1.93	10	1
2:A:282:ILE:CG2	2:A:338:ILE:HD12	0.41	2.46	11	1
2:A:285:LEU:CG	2:A:286:PRO:CD	0.41	2.98	15	1
2:A:293:ALA:HB3	2:A:313:ARG:CD	0.41	2.45	2	2
2:A:333:TYR:CD1	2:A:336:ARG:HD3	0.41	2.50	9	1
2:A:318:ILE:HG23	2:A:319:PRO:HD2	0.41	1.93	11	3
2:A:285:LEU:C	2:A:287:ASP:N	0.41	2.79	7	1
2:A:276:MET:HE2	2:A:304:PHE:CD1	0.41	2.51	16	1
2:A:285:LEU:HD11	2:A:289:THR:CB	0.41	2.45	17	1
2:A:277:SER:HB2	2:A:341:LYS:HB2	0.41	1.92	4	1
2:A:289:THR:HG23	2:A:317:ARG:HB3	0.40	1.92	12	1
2:A:321:MET:HE3	2:A:321:MET:HA	0.40	1.93	12	1
2:A:255:ASP:OD2	2:A:336:ARG:HD2	0.40	2.16	15	1
2:A:283:GLU:O	2:A:291:THR:N	0.40	2.54	3	1
2:A:284:MET:CE	2:A:318:ILE:HD12	0.40	2.45	13	1
2:A:285:LEU:CD2	2:A:286:PRO:HD2	0.40	2.46	15	1
2:A:278:VAL:HG11	2:A:305:ASP:HA	0.40	1.94	9	1
2:A:302:LYS:HD2	2:A:305:ASP:OD2	0.40	2.16	5	1
2:A:321:MET:N	2:A:321:MET:SD	0.40	2.93	15	1
2:A:258:ILE:HG12	2:A:336:ARG:HG2	0.40	1.94	17	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	B	5/13 (38%)	4±1 (90±13%)	0±1 (10±13%)	0±0 (0±0%)	100 100
2	A	89/124 (72%)	80±2 (90±2%)	6±1 (7±2%)	3±1 (3±1%)	5 36
All	All	1880/2740 (69%)	1687 (90%)	136 (7%)	57 (3%)	5 38

All 7 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
2	A	342	PRO	19
2	A	275	GLY	16
2	A	316	GLY	10
2	A	319	PRO	8
2	A	254	LEU	2
2	A	286	PRO	1
2	A	274	ASN	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	B	5/10 (50%)	5±1 (96±10%)	0±1 (4±10%)	29 79
2	A	79/108 (73%)	66±2 (83±3%)	13±2 (17±3%)	4 38
All	All	1680/2360 (71%)	1407 (84%)	273 (16%)	4 40

All 36 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
2	A	258	ILE	20
2	A	294	SER	20
2	A	331	SER	20
2	A	339	ILE	20
2	A	282	ILE	19
2	A	262	VAL	18
2	A	315	VAL	13
2	A	334	ARG	13
2	A	285	LEU	13
2	A	323	GLN	10
2	A	289	THR	9
2	A	254	LEU	8
2	A	278	VAL	8
2	A	335	GLN	8
2	A	290	ILE	8
2	A	263	SER	7
2	A	336	ARG	6
2	A	276	MET	6
2	A	296	SER	6
2	A	305	ASP	6
2	A	321	MET	4
2	A	260	ASN	4
2	A	324	LEU	3
2	A	274	ASN	3
1	B	4	LEU	2
2	A	299	SER	2
2	A	341	LYS	2
1	B	7	SER	2
2	A	320	GLU	2
2	A	255	ASP	2
2	A	256	ASP	2
2	A	264	GLN	2
2	A	301	ASP	2
2	A	279	GLU	1
2	A	281	LEU	1
2	A	317	ARG	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 88% for the well-defined parts and 84% 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	1428
Number of shifts mapped to atoms	1428
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
$^{13}C_{\alpha}$	115	0.03 ± 0.15	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	108	0.49 ± 0.19	None needed (< 0.5 ppm)
$^{13}C'$	110	-0.19 ± 0.18	None needed (< 0.5 ppm)
^{15}N	115	-0.40 ± 0.43	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 84%, i.e. 1100 atoms were assigned a chemical shift out of a possible 1315. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	424/458 (93%)	174/184 (95%)	168/188 (89%)	82/86 (95%)
Sidechain	634/806 (79%)	431/525 (82%)	193/240 (80%)	10/41 (24%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	42/51 (82%)	21/25 (84%)	20/25 (80%)	1/1 (100%)
Overall	1100/1315 (84%)	626/734 (85%)	381/453 (84%)	93/128 (73%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 77%, i.e. 1425 atoms were assigned a chemical shift out of a possible 1845. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	581/676 (86%)	241/273 (88%)	225/274 (82%)	115/129 (89%)
Sidechain	802/1110 (72%)	553/721 (77%)	238/336 (71%)	11/53 (21%)
Aromatic	42/59 (71%)	21/29 (72%)	20/27 (74%)	1/3 (33%)
Overall	1425/1845 (77%)	815/1023 (80%)	483/637 (76%)	127/185 (69%)

7.1.4 Statistically unusual chemical shifts (i)

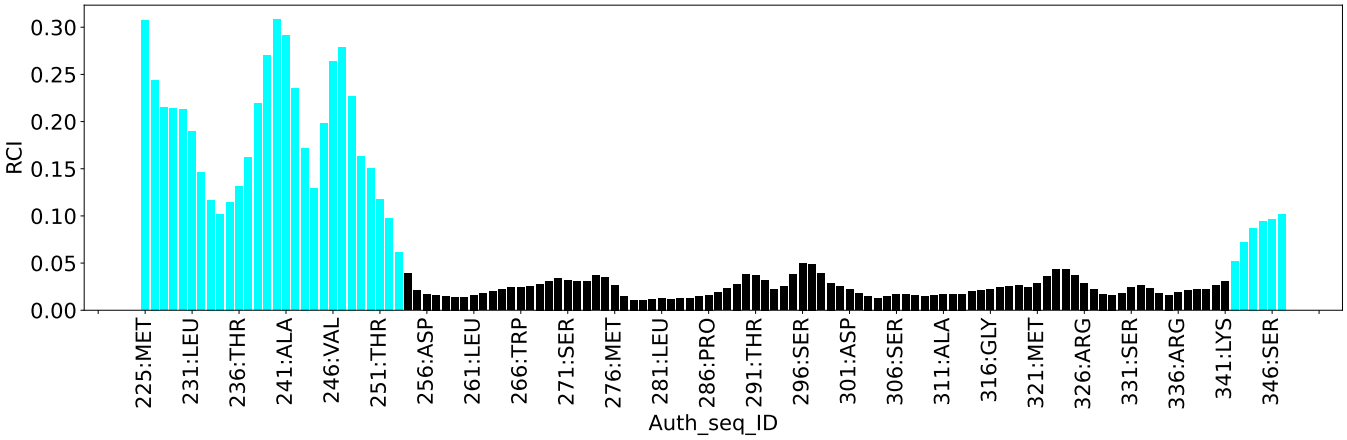
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	286	PRO	HA	2.36	2.78 – 6.00	-6.3
1	A	308	ALA	HB1	-0.18	0.14 – 2.58	-6.3
1	A	308	ALA	HB2	-0.18	0.14 – 2.58	-6.3
1	A	308	ALA	HB3	-0.18	0.14 – 2.58	-6.3

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



7.2 Chemical shift list 2

File name: working_cs.cif

Chemical shift list name: *assignedchem_shift_list_2*

7.2.1 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	126
Number of shifts mapped to atoms	126
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.2.2 Chemical shift referencing

No chemical shift referencing corrections were calculated (not enough data).

7.2.3 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 4%, i.e. 56 atoms were assigned a chemical shift out of a possible 1315. 0 out of 17 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	23/458 (5%)	9/184 (5%)	10/188 (5%)	4/86 (5%)

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	Total	^{1}H	^{13}C	^{15}N
Sidechain	33/806 (4%)	26/525 (5%)	7/240 (3%)	0/41 (0%)
Aromatic	0/51 (0%)	0/25 (0%)	0/25 (0%)	0/1 (0%)
Overall	56/1315 (4%)	35/734 (5%)	17/453 (4%)	4/128 (3%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 7%, i.e. 126 atoms were assigned a chemical shift out of a possible 1845. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	62/676 (9%)	25/273 (9%)	26/274 (9%)	11/129 (9%)
Sidechain	64/1110 (6%)	48/721 (7%)	14/336 (4%)	2/53 (4%)
Aromatic	0/59 (0%)	0/29 (0%)	0/27 (0%)	0/3 (0%)
Overall	126/1845 (7%)	73/1023 (7%)	40/637 (6%)	13/185 (7%)

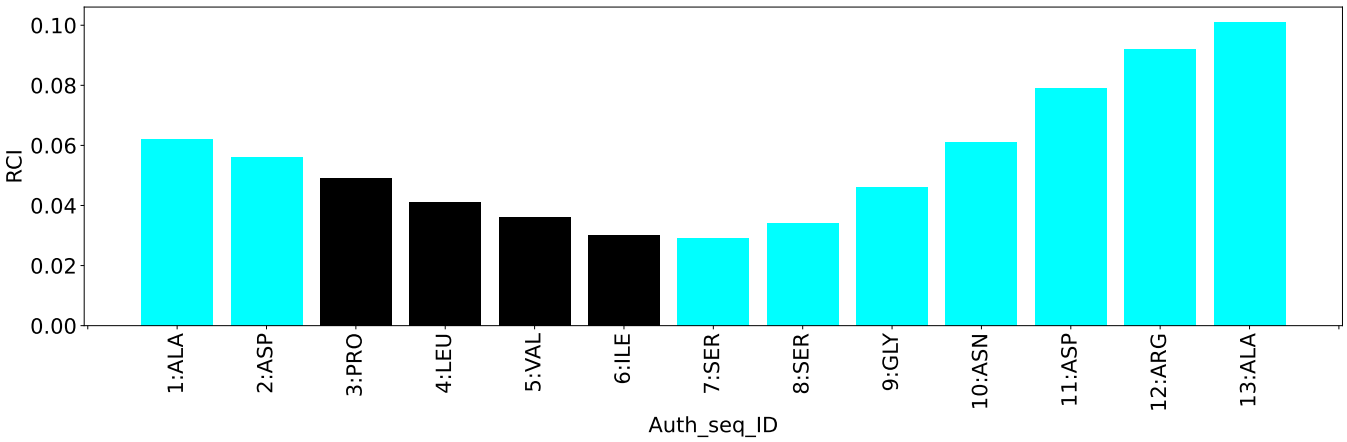
7.2.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.2.5 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 B:



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	5115
Intra-residue (|i-j|=0)	2371
Sequential (|i-j|=1)	1147
Medium range (|i-j|>1 and |i-j|<5)	689
Long range (|i-j|≥5)	790
Inter-chain	87
Hydrogen bond restraints	31
Disulfide bond restraints	0
Total dihedral-angle restraints	151
Number of unmapped restraints	0
Number of restraints per residue	38.4
Number of long range restraints per residue[1]	5.8

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	291.2	0.2
0.2-0.5 (Medium)	482.9	0.5
>0.5 (Large)	282.3	3.64

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)	9.7	9.54
10.0-20.0 (Medium)	0.2	11.87
>20.0 (Large)	None	None

9 Distance violation analysis (i)

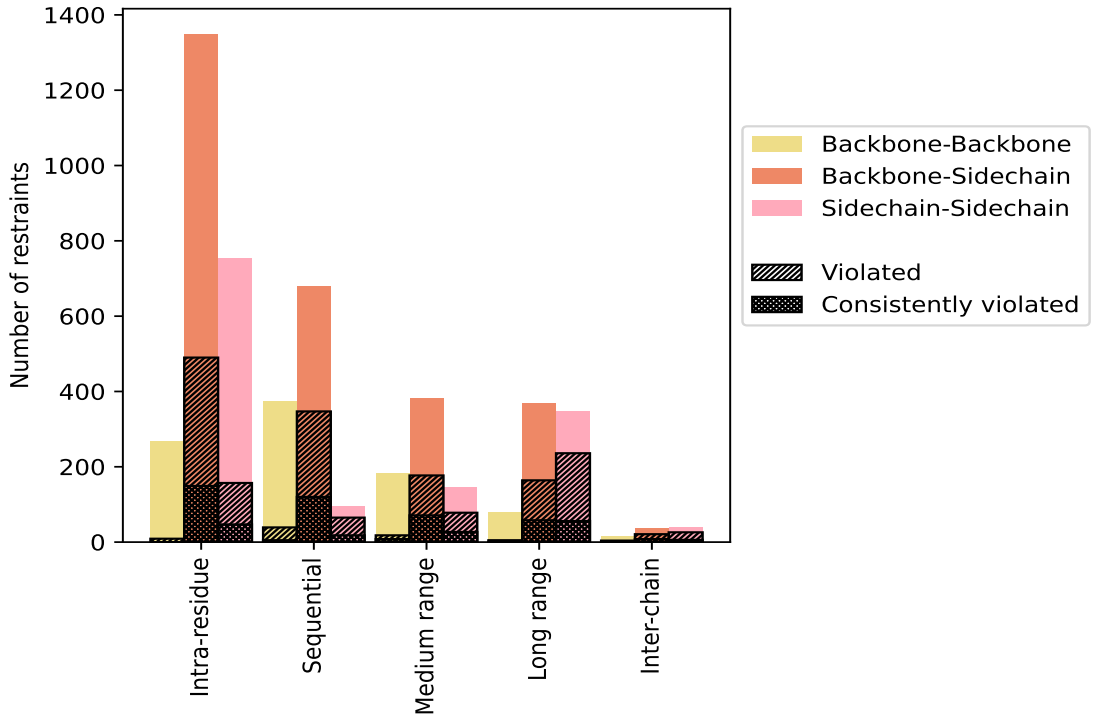
9.1 Summary of distance violations (i)

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)	2371	46.4	656	27.7	12.8	196	8.3	3.8
Backbone-Backbone	268	5.2	9	3.4	0.2	0	0.0	0.0
Backbone-Sidechain	1349	26.4	490	36.3	9.6	149	11.0	2.9
Sidechain-Sidechain	754	14.7	157	20.8	3.1	47	6.2	0.9
Sequential (|i-j|=1)	1147	22.4	451	39.3	8.8	143	12.5	2.8
Backbone-Backbone	374	7.3	39	10.4	0.8	5	1.3	0.1
Backbone-Sidechain	679	13.3	347	51.1	6.8	120	17.7	2.3
Sidechain-Sidechain	94	1.8	65	69.1	1.3	18	19.1	0.4
Medium range (|i-j|>1 & |i-j|<5)	689	13.5	271	39.3	5.3	106	15.4	2.1
Backbone-Backbone	182	3.6	18	9.9	0.4	8	4.4	0.2
Backbone-Sidechain	361	7.1	175	48.5	3.4	71	19.7	1.4
Sidechain-Sidechain	146	2.9	78	53.4	1.5	27	18.5	0.5
Long range (|i-j|≥5)	790	15.4	405	51.3	7.9	115	14.6	2.2
Backbone-Backbone	80	1.6	5	6.2	0.1	1	1.2	0.0
Backbone-Sidechain	363	7.1	164	45.2	3.2	58	16.0	1.1
Sidechain-Sidechain	347	6.8	236	68.0	4.6	56	16.1	1.1
Inter-chain	87	1.7	50	57.5	1.0	14	16.1	0.3
Backbone-Backbone	16	0.3	4	25.0	0.1	0	0.0	0.0
Backbone-Sidechain	33	0.6	20	60.6	0.4	8	24.2	0.2
Sidechain-Sidechain	38	0.7	26	68.4	0.5	6	15.8	0.1
Hydrogen bond	31	0.6	3	9.7	0.1	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	5115	100.0	1836	35.9	35.9	574	11.2	11.2
Backbone-Backbone	920	18.0	75	8.2	1.5	14	1.5	0.3
Backbone-Sidechain	2816	55.1	1199	42.6	23.4	406	14.4	7.9
Sidechain-Sidechain	1379	27.0	562	40.8	11.0	154	11.2	3.0

[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	363	250	173	224	27	1037	0.42	2.96	0.33	0.32
2	368	258	174	220	25	1045	0.41	2.9	0.34	0.3
3	379	260	178	236	24	1077	0.41	1.88	0.32	0.32
4	377	265	172	241	28	1083	0.43	3.6	0.41	0.31
5	385	272	181	258	30	1126	0.42	2.89	0.37	0.31
6	398	263	176	242	27	1106	0.43	3.64	0.4	0.31
7	385	262	175	234	27	1083	0.41	2.7	0.33	0.31
8	374	261	169	242	25	1071	0.42	2.74	0.33	0.32
9	376	274	175	224	31	1080	0.4	2.77	0.32	0.31
10	382	279	180	240	30	1111	0.43	3.38	0.39	0.31

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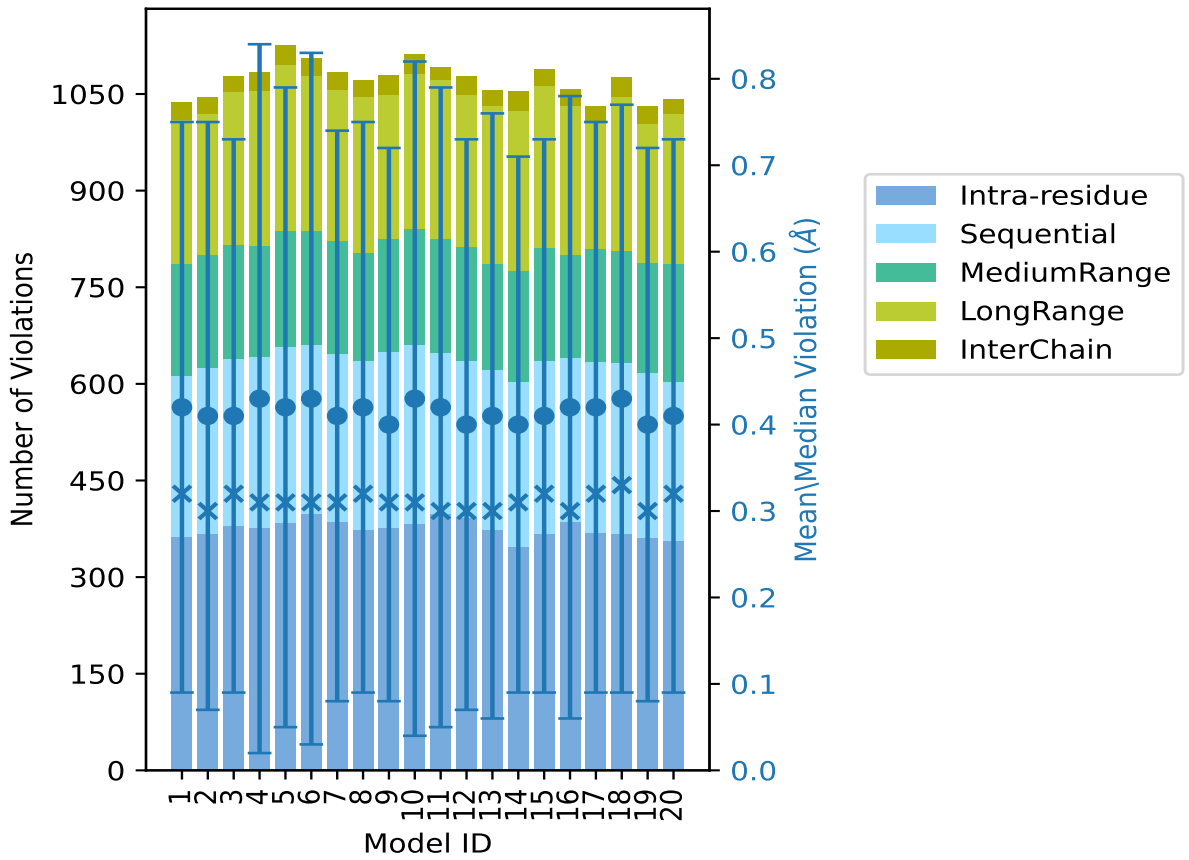
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	399	250	177	246	20	1092	0.42	3.0	0.37	0.3
12	392	244	177	236	28	1077	0.4	2.96	0.33	0.3
13	373	248	166	245	24	1056	0.41	3.0	0.35	0.3
14	347	256	173	248	30	1054	0.4	2.89	0.31	0.31
15	367	269	175	251	26	1088	0.41	1.93	0.32	0.32
16	386	254	161	231	25	1057	0.42	2.83	0.36	0.3
17	368	267	174	200	23	1032	0.42	1.78	0.33	0.32
18	367	265	175	239	30	1076	0.43	2.68	0.34	0.33
19	361	256	171	216	27	1031	0.4	1.8	0.32	0.3
20	356	247	183	234	22	1042	0.41	1.78	0.32	0.32

[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

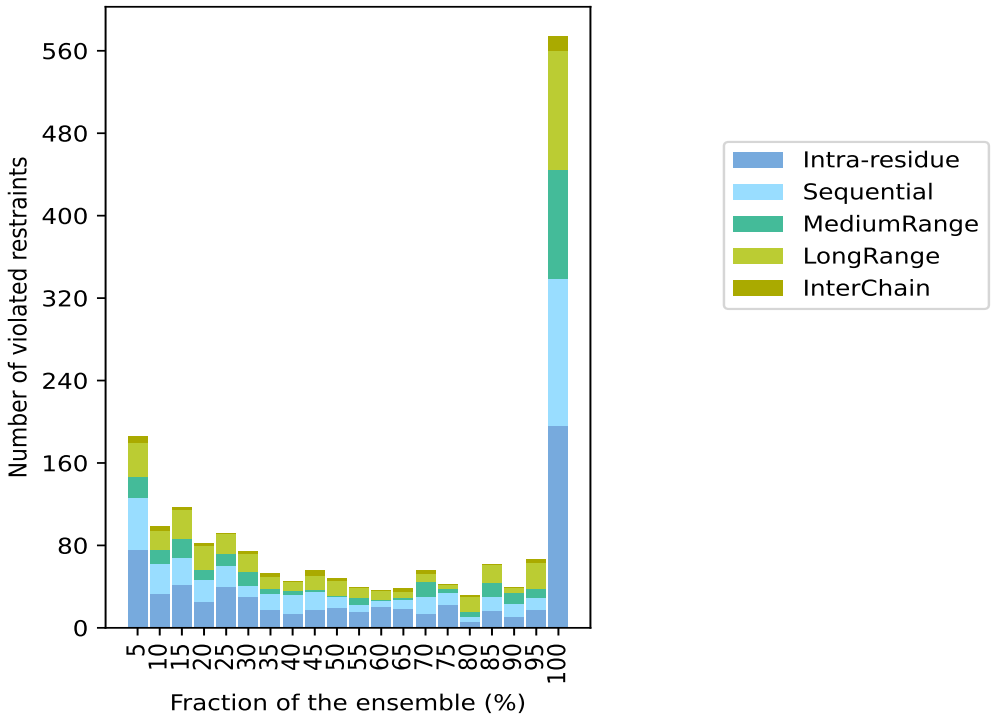
9.3 Distance violation statistics for the ensemble (i)

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, 3251(IR:1715, SQ:696, MR:418, LR:385, IC:37) 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]	%
76	50	21	33	6	186	1	5.0
33	29	14	18	4	98	2	10.0
42	26	18	29	2	117	3	15.0
25	22	9	24	2	82	4	20.0
40	20	12	20	0	92	5	25.0
30	11	13	18	2	74	6	30.0
18	15	5	12	3	53	7	35.0
14	18	4	9	0	45	8	40.0
18	17	2	14	5	56	9	45.0
20	10	1	15	2	48	10	50.0
16	7	6	10	0	39	11	55.0
21	6	0	9	0	36	12	60.0
19	8	2	6	3	38	13	65.0
14	16	15	8	3	56	14	70.0
22	12	4	4	0	42	15	75.0
6	5	5	14	1	31	16	80.0
17	13	14	17	0	61	17	85.0
11	12	11	5	0	39	18	90.0
18	11	9	25	3	66	19	95.0
196	143	106	115	14	574	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

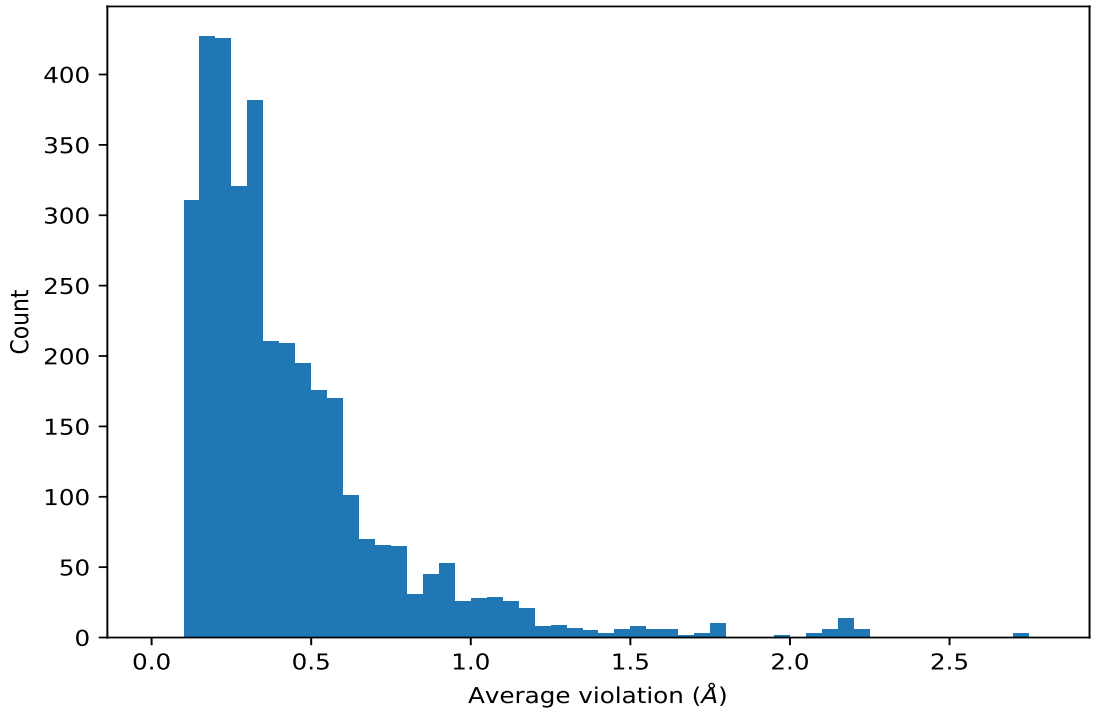
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	20	2.16	1.04	2.74
(4,3319)	2:285:A:LEU:HD23	2:289:A:THR:HB	20	2.16	1.04	2.74
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	20	2.16	1.04	2.74
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	20	2.15	1.04	2.73
(4,431)	2:285:A:LEU:HD23	2:289:A:THR:HB	20	2.15	1.04	2.73
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	20	2.15	1.04	2.73
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	20	1.75	0.02	1.75
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	20	1.74	0.01	1.74
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	20	1.72	0.01	1.72
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	20	1.71	0.02	1.71
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	20	1.69	0.12	1.73
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	20	1.65	0.12	1.69
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	20	1.61	0.14	1.65
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	20	1.59	0.15	1.63
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	20	1.56	0.01	1.56
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	20	1.52	0.02	1.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	20	1.49	0.17	1.53
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	20	1.49	0.02	1.48
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	20	1.47	0.17	1.51
(4,4217)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	20	1.45	0.05	1.46
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	20	1.45	0.05	1.46
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	20	1.45	0.05	1.46
(4,1128)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	20	1.41	0.05	1.42
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	20	1.41	0.05	1.42
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	20	1.41	0.05	1.42
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	20	1.31	0.05	1.31
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	20	1.28	0.06	1.29
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	20	1.28	0.06	1.29
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	20	1.28	0.06	1.29
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	20	1.28	0.03	1.28
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	20	1.27	0.03	1.27
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	20	1.25	0.06	1.25
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	20	1.25	0.06	1.25
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	20	1.25	0.06	1.25
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	20	1.24	0.05	1.25
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	20	1.2	0.55	1.32
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	20	1.19	0.55	1.31
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	20	1.17	0.02	1.17
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	20	1.17	0.02	1.17
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	20	1.17	0.02	1.17
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	20	1.16	0.02	1.16
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	20	1.16	0.02	1.16
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	20	1.16	0.02	1.16
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG22	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG22	20	1.15	0.08	1.15
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG21	20	1.15	0.08	1.15
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	20	1.14	0.04	1.14
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	20	1.12	0.04	1.12
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	20	1.11	0.04	1.1
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	20	1.11	0.04	1.1
(4,3969)	2:338:A:ILE:HG22	2:311:A:ALA:HB3	20	1.11	0.04	1.1
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB3	20	1.11	0.04	1.1
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	20	1.11	0.04	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3969)	2:338:A:ILE:HG22	2:311:A:ALA:HB2	20	1.11	0.04	1.1
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB2	20	1.11	0.04	1.1
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB1	20	1.11	0.04	1.1
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG22	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG22	20	1.11	0.08	1.11
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG21	20	1.11	0.08	1.11
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE1	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE2	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE2	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE2	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE1	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE3	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE3	20	1.08	0.38	1.23
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE1	20	1.08	0.38	1.23
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	20	1.07	0.21	1.06
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	20	1.07	0.21	1.06
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	20	1.07	0.21	1.06
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG22	2:311:A:ALA:HB3	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB3	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG22	2:311:A:ALA:HB2	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB2	20	1.07	0.04	1.06
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB1	20	1.07	0.04	1.06
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	20	1.05	0.21	1.04
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	20	1.05	0.21	1.04
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	20	1.05	0.21	1.04
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE1	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE2	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE2	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE2	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE1	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE3	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE3	20	1.04	0.38	1.2
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE1	20	1.04	0.38	1.2
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	20	1.03	0.01	1.03

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	20	1.03	0.01	1.03
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	20	1.03	0.01	1.03
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	20	1.0	0.02	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	20	1.0	0.02	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	20	1.0	0.02	1.0
(3,130)	2:284:A:MET:HE2	2:336:A:ARG:H	20	1.0	0.26	1.04
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	20	1.0	0.26	1.04
(3,130)	2:284:A:MET:HE1	2:290:A:ILE:H	20	1.0	0.26	1.04
(3,130)	2:284:A:MET:HE1	2:336:A:ARG:H	20	1.0	0.26	1.04
(3,130)	2:284:A:MET:HE3	2:290:A:ILE:H	20	1.0	0.26	1.04
(3,130)	2:284:A:MET:HE2	2:290:A:ILE:H	20	1.0	0.26	1.04
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	20	0.97	0.77	0.64
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	20	0.97	0.77	0.64
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	20	0.97	0.77	0.64
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	20	0.95	0.05	0.95
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	20	0.95	0.05	0.95
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	20	0.95	0.05	0.95
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	20	0.95	0.3	1.1
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	20	0.95	0.3	1.1
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD11	20	0.95	0.3	1.1
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	20	0.94	0.1	0.98
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	20	0.94	0.1	0.98
(4,2627)	2:291:A:THR:HG22	2:287:A:ASP:H	20	0.94	0.1	0.98
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	20	0.93	0.77	0.6
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	20	0.93	0.77	0.6
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	20	0.93	0.77	0.6
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	20	0.93	0.1	0.96
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	20	0.93	0.1	0.96
(4,1755)	2:291:A:THR:HG22	2:287:A:ASP:H	20	0.93	0.1	0.96
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	20	0.91	0.02	0.91
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG12	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG11	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG11	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG13	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG13	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	20	0.9	1.11	0.46
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG12	20	0.9	1.11	0.46
(3,404)	2:284:A:MET:HE2	2:336:A:ARG:H	20	0.9	0.26	0.94
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	20	0.9	0.26	0.94
(3,404)	2:284:A:MET:HE1	2:290:A:ILE:H	20	0.9	0.26	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,404)	2:284:A:MET:HE1	2:336:A:ARG:H	20	0.9	0.26	0.94
(3,404)	2:284:A:MET:HE3	2:290:A:ILE:H	20	0.9	0.26	0.94
(3,404)	2:284:A:MET:HE2	2:290:A:ILE:H	20	0.9	0.26	0.94
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	20	0.9	0.02	0.9
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG12	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG11	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG11	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG13	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG13	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	20	0.89	1.11	0.46
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG12	20	0.89	1.11	0.46
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	20	0.89	0.02	0.89
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	20	0.89	0.02	0.89
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	20	0.89	0.02	0.89
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	20	0.88	0.02	0.88
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	20	0.88	0.02	0.88
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	20	0.88	0.02	0.88
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	20	0.86	0.05	0.86
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	20	0.86	0.05	0.86
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	20	0.86	0.05	0.86
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	20	0.85	0.05	0.84
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	20	0.85	0.05	0.84
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG21	20	0.85	0.05	0.84
(3,87)	2:259:A:VAL:HG21	2:258:A:ILE:H	20	0.85	0.05	0.84
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	20	0.84	0.02	0.84
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	20	0.84	0.19	0.86
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	20	0.84	0.03	0.84
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB1	20	0.83	0.05	0.84
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	20	0.83	0.05	0.84
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	20	0.83	0.05	0.84
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	20	0.83	0.19	0.84
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	20	0.83	0.05	0.81
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	20	0.83	0.05	0.81
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	20	0.81	0.02	0.81
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	20	0.81	0.02	0.81
(4,3446)	2:328:A:THR:HG21	2:328:A:THR:H	20	0.81	0.02	0.81
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	20	0.81	0.09	0.76
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	20	0.8	0.03	0.8
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	20	0.8	0.21	0.8
(4,4260)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	20	0.8	0.21	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,4260)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	20	0.8	0.21	0.8
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	20	0.79	0.02	0.79
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	20	0.79	0.02	0.79
(4,3756)	2:259:A:VAL:HG13	2:259:A:VAL:H	20	0.79	0.02	0.79
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB1	20	0.79	0.05	0.8
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	20	0.79	0.05	0.8
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	20	0.79	0.05	0.8
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	20	0.78	0.05	0.76
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	20	0.78	0.05	0.76
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	20	0.78	0.02	0.77
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	20	0.78	0.02	0.77
(4,522)	2:328:A:THR:HG21	2:328:A:THR:H	20	0.78	0.02	0.77
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD13	20	0.78	0.11	0.78
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	20	0.78	0.11	0.78
(3,32)	2:332:A:LEU:HD11	2:328:A:THR:HA	20	0.78	0.11	0.78
(3,32)	2:332:A:LEU:HD13	2:328:A:THR:HA	20	0.78	0.11	0.78
(3,32)	2:332:A:LEU:HD12	2:328:A:THR:HA	20	0.78	0.11	0.78
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	20	0.77	0.04	0.76
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	20	0.77	0.04	0.76
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	20	0.77	0.04	0.76
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB3	20	0.77	0.21	0.79
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	20	0.77	0.21	0.79
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	20	0.77	0.21	0.79
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	20	0.76	0.05	0.76
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	20	0.76	0.05	0.76
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG21	20	0.76	0.05	0.76
(3,396)	2:259:A:VAL:HG21	2:258:A:ILE:H	20	0.76	0.05	0.76
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	20	0.76	0.04	0.76
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	20	0.76	0.04	0.76
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	20	0.76	0.04	0.76
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	20	0.76	0.02	0.76
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	20	0.76	0.02	0.76
(4,753)	2:259:A:VAL:HG13	2:259:A:VAL:H	20	0.76	0.02	0.76
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	20	0.76	0.02	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	20	0.76	0.02	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	20	0.76	0.02	0.75
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	20	0.75	0.09	0.7
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	20	0.75	0.21	0.75
(4,1159)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	20	0.75	0.21	0.75
(4,1159)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	20	0.75	0.21	0.75
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	20	0.75	0.06	0.73
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	20	0.75	0.06	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,142)	2:328:A:THR:HG22	2:325:A:PRO:HG3	20	0.75	0.06	0.73
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	20	0.75	0.03	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	20	0.74	0.02	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	20	0.74	0.02	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	20	0.74	0.02	0.74
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD12	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD13	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD12	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD13	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD13	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD11	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD12	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD11	20	0.74	0.1	0.74
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD11	20	0.74	0.1	0.74
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	20	0.73	0.06	0.74
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	20	0.73	0.06	0.74
(4,2895)	2:338:A:ILE:HD12	2:338:A:ILE:HA	20	0.73	0.06	0.74
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	20	0.73	0.08	0.72
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	20	0.73	0.08	0.72
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD23	20	0.73	0.08	0.72
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	20	0.71	0.19	0.72
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	20	0.71	0.19	0.72
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	20	0.71	0.19	0.72
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD13	20	0.71	0.12	0.71
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	20	0.71	0.12	0.71
(3,367)	2:332:A:LEU:HD11	2:328:A:THR:HA	20	0.71	0.12	0.71
(3,367)	2:332:A:LEU:HD13	2:328:A:THR:HA	20	0.71	0.12	0.71
(3,367)	2:332:A:LEU:HD12	2:328:A:THR:HA	20	0.71	0.12	0.71
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	20	0.71	0.08	0.7
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	20	0.71	0.08	0.7
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD23	20	0.71	0.08	0.7
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	20	0.71	0.06	0.72
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	20	0.71	0.06	0.72
(4,97)	2:338:A:ILE:HD12	2:338:A:ILE:HA	20	0.71	0.06	0.72
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	20	0.71	0.03	0.7
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	20	0.71	0.06	0.72
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	20	0.71	0.06	0.72
(3,93)	2:290:A:ILE:HG21	2:290:A:ILE:H	20	0.71	0.06	0.72
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	20	0.7	0.04	0.7
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	20	0.7	0.04	0.7
(3,203)	2:291:A:THR:HG22	2:292:A:ASN:H	20	0.7	0.04	0.7
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	20	0.7	0.06	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,279)	2:340:A:PHE:HD2	2:278:A:VAL:HG23	20	0.7	0.06	0.7
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	20	0.7	0.06	0.7
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	20	0.7	0.06	0.7
(3,165)	2:318:A:ILE:HD12	2:290:A:ILE:H	20	0.69	0.14	0.71
(3,165)	2:290:A:ILE:HG23	2:290:A:ILE:H	20	0.69	0.14	0.71
(3,165)	2:318:A:ILE:HD13	2:290:A:ILE:H	20	0.69	0.14	0.71
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	20	0.69	0.14	0.71
(3,165)	2:318:A:ILE:HD11	2:290:A:ILE:H	20	0.69	0.14	0.71
(3,165)	2:290:A:ILE:HG21	2:290:A:ILE:H	20	0.69	0.14	0.71
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	20	0.69	0.03	0.69
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	20	0.66	0.06	0.66
(3,428)	2:340:A:PHE:HD2	2:278:A:VAL:HG23	20	0.66	0.06	0.66
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	20	0.66	0.06	0.66
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	20	0.66	0.06	0.66
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	20	0.66	0.19	0.67
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	20	0.66	0.19	0.67
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	20	0.66	0.19	0.67
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG21	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG22	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG22	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG22	20	0.66	0.06	0.66
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG21	20	0.66	0.06	0.66
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	20	0.66	0.14	0.68
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	20	0.65	0.09	0.67
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	20	0.65	0.09	0.67
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG12	20	0.65	0.09	0.67
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	20	0.65	0.06	0.63
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	20	0.65	0.06	0.63
(3,424)	2:328:A:THR:HG22	2:325:A:PRO:HG3	20	0.65	0.06	0.63
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	20	0.65	0.03	0.65
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	20	0.65	0.04	0.64
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	20	0.65	0.04	0.64
(3,334)	2:291:A:THR:HG22	2:292:A:ASN:H	20	0.65	0.04	0.64
(3,293)	2:318:A:ILE:HD12	2:290:A:ILE:H	20	0.65	0.14	0.67
(3,293)	2:290:A:ILE:HG23	2:290:A:ILE:H	20	0.65	0.14	0.67
(3,293)	2:318:A:ILE:HD13	2:290:A:ILE:H	20	0.65	0.14	0.67
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	20	0.65	0.14	0.67
(3,293)	2:318:A:ILE:HD11	2:290:A:ILE:H	20	0.65	0.14	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,293)	2:290:A:ILE:HG21	2:290:A:ILE:H	20	0.65	0.14	0.67
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	20	0.64	0.11	0.63
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	20	0.64	0.11	0.63
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	20	0.64	0.11	0.63
(3,79)	2:280:A:VAL:HG12	2:293:A:ALA:HA	20	0.64	0.11	0.63
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	20	0.64	0.09	0.62
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	20	0.64	0.09	0.62
(3,78)	2:324:A:LEU:HD13	2:324:A:LEU:H	20	0.64	0.09	0.62
(3,78)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	20	0.64	0.09	0.62
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.64	0.09	0.62
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.64	0.02	0.64
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	20	0.64	0.02	0.64
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	20	0.64	0.02	0.64
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	20	0.64	0.06	0.65
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	20	0.64	0.06	0.65
(3,412)	2:290:A:ILE:HG21	2:290:A:ILE:H	20	0.64	0.06	0.65
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	20	0.63	0.05	0.64
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE1	20	0.63	0.05	0.64
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	20	0.63	0.05	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.63	0.02	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	20	0.63	0.02	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	20	0.63	0.02	0.64
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	20	0.63	0.03	0.62
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	20	0.63	0.03	0.62
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG22	20	0.63	0.03	0.62
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	20	0.62	0.06	0.6
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	20	0.62	0.06	0.6
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	20	0.62	0.06	0.6
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	20	0.61	0.05	0.62
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE1	20	0.61	0.05	0.62
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	20	0.61	0.05	0.62
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	20	0.61	0.12	0.66
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	20	0.61	0.06	0.59
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	20	0.61	0.06	0.59
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	20	0.61	0.06	0.59
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	20	0.61	0.16	0.62
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	20	0.61	0.16	0.62
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE1	20	0.61	0.16	0.62
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	20	0.6	0.06	0.59
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	20	0.6	0.04	0.58
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	20	0.6	0.11	0.65
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	20	0.6	0.11	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG23	20	0.6	0.11	0.65
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	20	0.6	0.06	0.61
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	20	0.6	0.06	0.61
(4,4346)	2:338:A:ILE:HD12	2:338:A:ILE:HA	20	0.6	0.06	0.61
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	20	0.6	0.01	0.59
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	20	0.6	0.01	0.59
(4,3323)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	20	0.6	0.01	0.59
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	20	0.6	0.65	0.23
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD23	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD23	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD23	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD21	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD21	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD22	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD22	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD21	20	0.6	0.07	0.61
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD22	20	0.6	0.07	0.61
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	20	0.59	0.03	0.6
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	20	0.59	0.03	0.6
(4,2585)	2:257:A:LEU:HD13	2:257:A:LEU:H	20	0.59	0.03	0.6
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	20	0.59	0.02	0.59
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG13	20	0.59	0.02	0.59
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	20	0.59	0.02	0.59
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG23	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	20	0.59	0.08	0.57
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG22	20	0.59	0.08	0.57
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	20	0.59	0.11	0.64
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	20	0.59	0.11	0.64
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG23	20	0.59	0.11	0.64
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	20	0.59	0.14	0.61
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	20	0.59	0.06	0.6
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	20	0.59	0.03	0.6
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	20	0.59	0.03	0.6
(4,1721)	2:257:A:LEU:HD13	2:257:A:LEU:H	20	0.59	0.03	0.6
(4,3300)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	20	0.58	0.05	0.6
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	20	0.58	0.05	0.6
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	20	0.58	0.05	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	20	0.58	0.02	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.58	0.02	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD23	20	0.58	0.02	0.58
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	20	0.58	0.01	0.58
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	20	0.58	0.01	0.58
(4,435)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	20	0.58	0.01	0.58
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	20	0.58	0.07	0.58
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD11	20	0.58	0.07	0.58
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	20	0.58	0.07	0.58
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	20	0.58	0.02	0.58
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.58	0.02	0.58
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD23	20	0.58	0.02	0.58
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	20	0.58	0.07	0.59
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	20	0.58	0.07	0.59
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG21	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD23	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD23	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD23	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD21	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD21	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD22	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD22	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD21	20	0.58	0.07	0.59
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD22	20	0.58	0.07	0.59
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	20	0.58	0.16	0.58
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	20	0.58	0.16	0.58
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE1	20	0.58	0.16	0.58
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG23	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	20	0.57	0.08	0.56
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG22	20	0.57	0.08	0.56
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	20	0.57	0.05	0.57
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	20	0.57	0.05	0.57
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	20	0.57	0.05	0.57
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	20	0.57	0.11	0.56
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	20	0.57	0.11	0.56
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	20	0.57	0.11	0.56
(3,420)	2:280:A:VAL:HG12	2:293:A:ALA:HA	20	0.57	0.11	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	20	0.57	0.09	0.55
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	20	0.57	0.09	0.55
(3,386)	2:324:A:LEU:HD13	2:324:A:LEU:H	20	0.57	0.09	0.55
(3,386)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	20	0.57	0.09	0.55
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.57	0.09	0.55
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	20	0.57	0.01	0.56
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	20	0.57	0.01	0.56
(4,4236)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	20	0.57	0.01	0.56
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG23	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG21	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG22	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG21	2:280:A:VAL:HG23	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG21	2:280:A:VAL:HG21	20	0.56	0.09	0.56
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	20	0.56	0.09	0.56
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	20	0.56	0.04	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	20	0.56	0.01	0.56
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	20	0.56	0.02	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG13	20	0.56	0.02	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	20	0.56	0.02	0.55
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	20	0.56	0.07	0.55
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	20	0.56	0.07	0.55
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	20	0.56	0.07	0.55
(4,2174)	2:276:A:MET:HE3	2:276:A:MET:H	20	0.56	0.07	0.56
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	20	0.56	0.07	0.56
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	20	0.56	0.07	0.56
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	20	0.55	0.05	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	20	0.55	0.02	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG22	20	0.55	0.02	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	20	0.55	0.02	0.55
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	20	0.55	0.12	0.56
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	20	0.55	0.12	0.56
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD23	20	0.55	0.12	0.56
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	20	0.55	0.06	0.55
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG13	20	0.55	0.06	0.55
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	20	0.55	0.06	0.55
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	20	0.55	0.03	0.56
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	20	0.55	0.03	0.56
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG22	20	0.55	0.03	0.56
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	20	0.55	0.11	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD23	20	0.55	0.11	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	20	0.55	0.11	0.58
(4,4171)	2:284:A:MET:HE1	2:288:A:GLY:H	20	0.55	0.13	0.56
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	20	0.55	0.13	0.56
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	20	0.55	0.13	0.56
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	20	0.54	0.06	0.54
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	20	0.54	0.06	0.54
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD13	20	0.54	0.06	0.54
(4,1405)	2:276:A:MET:HE3	2:276:A:MET:H	20	0.54	0.07	0.54
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	20	0.54	0.07	0.54
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	20	0.54	0.07	0.54
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	20	0.54	0.12	0.55
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	20	0.54	0.12	0.55
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD23	20	0.54	0.12	0.55
(3,276)	2:339:A:ILE:HG23	2:339:A:ILE:H	20	0.54	0.04	0.53
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	20	0.54	0.04	0.53
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	20	0.54	0.04	0.53
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	20	0.54	0.04	0.54
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	20	0.54	0.04	0.54
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	20	0.54	0.04	0.54
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	20	0.54	0.07	0.51
(4,2673)	2:340:A:PHE:HE1	2:312:A:VAL:H	20	0.54	0.07	0.51
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	20	0.54	0.07	0.56
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	20	0.54	0.07	0.56
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG21	20	0.54	0.07	0.56
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG23	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG21	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG22	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG21	2:280:A:VAL:HG23	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG21	2:280:A:VAL:HG21	20	0.54	0.08	0.54
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	20	0.54	0.08	0.54
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	20	0.54	0.07	0.54
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	20	0.54	0.07	0.54
(4,3335)	2:258:A:ILE:HD11	2:333:A:TYR:HA	20	0.54	0.07	0.54
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	20	0.53	0.11	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD23	20	0.53	0.11	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	20	0.53	0.11	0.57
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	20	0.53	0.02	0.54
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	20	0.53	0.02	0.54
(4,3047)	2:257:A:LEU:HD12	2:257:A:LEU:HA	20	0.53	0.02	0.54
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	20	0.53	0.03	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	20	0.53	0.03	0.53
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	20	0.53	0.03	0.53
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	20	0.53	0.05	0.55
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	20	0.53	0.05	0.55
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD12	20	0.53	0.05	0.55
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	20	0.53	0.04	0.52
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	20	0.53	0.04	0.52
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	20	0.53	0.04	0.52
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	20	0.53	0.08	0.5
(4,1796)	2:340:A:PHE:HE1	2:312:A:VAL:H	20	0.53	0.08	0.5
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	20	0.53	0.01	0.53
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	20	0.53	0.36	0.51
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	20	0.52	0.41	0.31
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	20	0.52	0.05	0.53
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	20	0.52	0.05	0.53
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	20	0.52	0.05	0.53
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	20	0.52	0.05	0.52
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	20	0.52	0.05	0.52
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	20	0.52	0.05	0.52
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD12	20	0.52	0.05	0.52
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	20	0.52	0.12	0.51
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	20	0.52	0.12	0.51
(4,3859)	2:321:A:MET:HE3	2:333:A:TYR:H	20	0.52	0.12	0.51
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	20	0.52	0.16	0.53
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	20	0.52	0.16	0.53
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE1	20	0.52	0.16	0.53
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	20	0.52	0.03	0.52
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	20	0.52	0.03	0.52
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	20	0.52	0.03	0.52
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	20	0.52	0.06	0.51
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	20	0.52	0.07	0.51
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	20	0.52	0.07	0.51
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	20	0.52	0.07	0.51
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	20	0.52	0.02	0.52
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	20	0.52	0.02	0.52
(4,224)	2:257:A:LEU:HD12	2:257:A:LEU:HA	20	0.52	0.02	0.52
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	20	0.52	0.07	0.51
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	20	0.52	0.07	0.51
(4,437)	2:258:A:ILE:HD11	2:333:A:TYR:HA	20	0.52	0.07	0.51
(4,4351)	2:276:A:MET:HE1	2:304:A:PHE:H	20	0.52	0.18	0.53
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	20	0.52	0.18	0.53
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	20	0.52	0.18	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	20	0.52	0.05	0.52
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	20	0.52	0.05	0.52
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD12	20	0.52	0.05	0.52
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	20	0.51	0.02	0.52
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	20	0.51	0.02	0.52
(4,3502)	2:257:A:LEU:HD12	2:257:A:LEU:HA	20	0.51	0.02	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	20	0.51	0.02	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	20	0.51	0.02	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	20	0.51	0.02	0.52
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	20	0.51	0.04	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	20	0.51	0.04	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG23	20	0.51	0.04	0.51
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	20	0.51	0.09	0.52
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	20	0.51	0.09	0.52
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	20	0.51	0.09	0.52
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	20	0.51	0.05	0.51
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	20	0.51	0.06	0.53
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	20	0.51	0.04	0.52
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	20	0.51	0.05	0.5
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	20	0.51	0.05	0.5
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD12	20	0.51	0.05	0.5
(4,1088)	2:284:A:MET:HE1	2:288:A:GLY:H	20	0.5	0.13	0.52
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	20	0.5	0.13	0.52
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	20	0.5	0.13	0.52
(3,89)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	20	0.5	0.05	0.51
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD21	20	0.5	0.05	0.51
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	20	0.5	0.05	0.51
(3,89)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	20	0.5	0.05	0.51
(3,89)	2:257:A:LEU:HD21	2:260:A:ASN:HB3	20	0.5	0.05	0.51
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD23	20	0.5	0.05	0.51
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	20	0.5	0.04	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	20	0.5	0.04	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG23	20	0.5	0.04	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	20	0.5	0.02	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	20	0.5	0.02	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	20	0.5	0.02	0.5
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	20	0.5	0.04	0.51
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	20	0.5	0.03	0.5
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	20	0.5	0.03	0.5
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	20	0.5	0.03	0.5
(3,311)	2:339:A:ILE:HG23	2:339:A:ILE:H	20	0.49	0.04	0.48
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	20	0.49	0.04	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	20	0.49	0.04	0.48
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	20	0.49	0.1	0.48
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	20	0.49	0.1	0.48
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD11	20	0.49	0.1	0.48
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	20	0.49	0.06	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	20	0.49	0.06	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD13	20	0.49	0.06	0.49
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	20	0.49	0.36	0.47
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	20	0.49	0.13	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD21	20	0.49	0.13	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	20	0.49	0.13	0.45
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG21	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG21	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG23	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG23	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG21	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG22	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG22	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG22	20	0.49	0.13	0.46
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG23	20	0.49	0.13	0.46
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	20	0.49	0.04	0.49
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	20	0.49	0.04	0.49
(3,204)	2:261:A:LEU:HD13	2:258:A:ILE:H	20	0.49	0.04	0.49
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	20	0.49	0.14	0.5
(4,4179)	2:284:A:MET:HE3	2:321:A:MET:H	20	0.49	0.14	0.5
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	20	0.49	0.14	0.5
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	20	0.49	0.06	0.48
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	20	0.49	0.06	0.48
(4,4134)	2:338:A:ILE:HG23	1:4:B:LEU:H	20	0.49	0.06	0.48
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	20	0.48	0.2	0.57
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	20	0.48	0.41	0.34
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	20	0.48	0.41	0.34
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG11	20	0.48	0.41	0.34
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	20	0.48	0.12	0.46
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	20	0.48	0.12	0.46
(4,836)	2:321:A:MET:HE3	2:333:A:TYR:H	20	0.48	0.12	0.46
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	20	0.48	0.15	0.49
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	20	0.48	0.13	0.44
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD21	20	0.48	0.13	0.44
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	20	0.48	0.13	0.44
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	20	0.48	0.06	0.46
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG13	20	0.48	0.06	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	20	0.48	0.06	0.46
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	20	0.48	0.05	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	20	0.48	0.02	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG22	20	0.48	0.02	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	20	0.48	0.02	0.48
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	20	0.47	0.07	0.46
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	20	0.47	0.07	0.46
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	20	0.47	0.07	0.46
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	20	0.47	0.04	0.48
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	20	0.47	0.03	0.46
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	20	0.47	0.03	0.46
(4,2671)	2:262:A:VAL:HG21	2:311:A:ALA:H	20	0.47	0.03	0.46
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	20	0.47	0.03	0.48
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	20	0.47	0.03	0.48
(4,3509)	2:257:A:LEU:HD13	2:257:A:LEU:H	20	0.47	0.03	0.48
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	20	0.46	0.09	0.47
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	20	0.46	0.09	0.47
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	20	0.46	0.09	0.47
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	20	0.46	0.41	0.33
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	20	0.46	0.41	0.33
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG11	20	0.46	0.41	0.33
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	20	0.46	0.2	0.55
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.46	0.05	0.45
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	20	0.46	0.05	0.45
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	20	0.46	0.05	0.45
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	20	0.46	0.03	0.46
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	20	0.46	0.03	0.46
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	20	0.46	0.03	0.46
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD13	20	0.46	0.06	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	20	0.46	0.06	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	20	0.46	0.06	0.44
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	20	0.46	0.03	0.46
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	20	0.46	0.03	0.46
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	20	0.46	0.03	0.46
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	20	0.46	0.04	0.46
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	20	0.46	0.03	0.45
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	20	0.46	0.03	0.45
(4,1794)	2:262:A:VAL:HG21	2:311:A:ALA:H	20	0.46	0.03	0.45
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	20	0.46	0.07	0.48
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	20	0.45	0.0	0.45
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	20	0.45	0.07	0.44
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	20	0.45	0.07	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,2272)	2:295:A:VAL:HG23	2:306:A:SER:H	20	0.45	0.07	0.44
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	20	0.45	0.02	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	20	0.45	0.02	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	20	0.45	0.02	0.46
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	20	0.45	0.05	0.46
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.45	0.05	0.44
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	20	0.45	0.05	0.44
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	20	0.45	0.05	0.44
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	20	0.45	0.2	0.54
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD13	20	0.45	0.06	0.44
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	20	0.45	0.06	0.44
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	20	0.45	0.06	0.44
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	20	0.45	0.15	0.4
(3,592)	2:337:A:ARG:HD2	2:337:A:ARG:H	20	0.45	0.15	0.4
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	20	0.45	0.02	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	20	0.45	0.02	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	20	0.45	0.02	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	20	0.44	0.02	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	20	0.44	0.02	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	20	0.44	0.02	0.45
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	20	0.44	0.07	0.46
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	20	0.44	0.07	0.44
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	20	0.44	0.07	0.44
(4,1487)	2:295:A:VAL:HG23	2:306:A:SER:H	20	0.44	0.07	0.44
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	20	0.44	0.05	0.46
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	20	0.44	0.09	0.46
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB3	20	0.44	0.09	0.46
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	20	0.44	0.09	0.46
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	20	0.44	0.0	0.44
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	20	0.44	0.04	0.44
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	20	0.44	0.04	0.44
(3,303)	2:261:A:LEU:HD13	2:258:A:ILE:H	20	0.44	0.04	0.44
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	20	0.44	0.07	0.43
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	20	0.44	0.07	0.43
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	20	0.44	0.07	0.43
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	20	0.44	0.17	0.56
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	20	0.43	0.08	0.44
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB3	20	0.43	0.08	0.44
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB2	20	0.43	0.08	0.44
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	20	0.43	0.02	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	20	0.43	0.02	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	20	0.43	0.02	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	20	0.43	0.15	0.44
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	20	0.43	0.14	0.45
(4,1096)	2:284:A:MET:HE3	2:321:A:MET:H	20	0.43	0.14	0.45
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	20	0.43	0.14	0.45
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	20	0.43	0.04	0.43
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	20	0.43	0.04	0.43
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	20	0.43	0.04	0.43
(3,378)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	20	0.43	0.05	0.44
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD21	20	0.43	0.05	0.44
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	20	0.43	0.05	0.44
(3,378)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	20	0.43	0.05	0.44
(3,378)	2:257:A:LEU:HD21	2:260:A:ASN:HB3	20	0.43	0.05	0.44
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD23	20	0.43	0.05	0.44
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	20	0.43	0.05	0.44
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	20	0.43	0.08	0.41
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD1	20	0.43	0.08	0.41
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	20	0.43	0.04	0.42
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	20	0.43	0.04	0.42
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG23	20	0.43	0.04	0.42
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	20	0.43	0.05	0.44
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	20	0.43	0.02	0.42
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	20	0.43	0.02	0.42
(4,2181)	2:324:A:LEU:HD12	2:324:A:LEU:H	20	0.43	0.02	0.42
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	20	0.42	0.07	0.44
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	20	0.42	0.07	0.44
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD13	20	0.42	0.07	0.44
(3,90)	2:318:A:ILE:H	2:261:A:LEU:HD13	20	0.42	0.07	0.44
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	20	0.42	0.18	0.54
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	20	0.42	0.03	0.42
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	20	0.42	0.03	0.42
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	20	0.42	0.03	0.42
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	20	0.42	0.02	0.41
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	20	0.42	0.02	0.41
(4,1413)	2:324:A:LEU:HD12	2:324:A:LEU:H	20	0.42	0.02	0.41
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	20	0.42	0.08	0.4
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD1	20	0.42	0.08	0.4
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	20	0.42	0.01	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	20	0.42	0.02	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG21	20	0.42	0.02	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	20	0.42	0.02	0.42
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	20	0.41	0.1	0.4
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	20	0.41	0.1	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD11	20	0.41	0.1	0.4
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	20	0.41	0.08	0.42
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	20	0.41	0.08	0.42
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE2	20	0.41	0.08	0.42
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	20	0.41	0.08	0.42
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	20	0.41	0.08	0.42
(3,94)	2:289:A:THR:HG22	2:290:A:ILE:HB	20	0.41	0.08	0.42
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	20	0.41	0.05	0.4
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	20	0.41	0.15	0.36
(3,140)	2:337:A:ARG:HD2	2:337:A:ARG:H	20	0.41	0.15	0.36
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	20	0.4	0.09	0.42
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB3	20	0.4	0.09	0.42
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	20	0.4	0.09	0.42
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.4	0.02	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	20	0.4	0.02	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	20	0.4	0.02	0.41
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	20	0.4	0.03	0.4
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	20	0.4	0.2	0.36
(3,12)	2:284:A:MET:HE2	2:336:A:ARG:HB2	20	0.4	0.2	0.36
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.4	0.2	0.36
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	20	0.4	0.06	0.38
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	20	0.4	0.06	0.38
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG22	20	0.4	0.06	0.38
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	20	0.4	0.06	0.4
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	20	0.4	0.06	0.4
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	20	0.4	0.06	0.4
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	20	0.4	0.18	0.52
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	20	0.39	0.08	0.4
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	20	0.39	0.08	0.4
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	20	0.39	0.08	0.4
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	20	0.39	0.02	0.4
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	20	0.39	0.08	0.4
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	20	0.39	0.08	0.4
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD23	20	0.39	0.08	0.4
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	20	0.39	0.06	0.36
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	20	0.39	0.04	0.39
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	20	0.39	0.17	0.38
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	20	0.39	0.11	0.4
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	20	0.39	0.11	0.4
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	20	0.39	0.11	0.4
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	20	0.39	0.02	0.39
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG21	20	0.39	0.02	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	20	0.39	0.02	0.39
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	20	0.38	0.08	0.38
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB3	20	0.38	0.08	0.38
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB2	20	0.38	0.08	0.38
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	20	0.38	0.07	0.36
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	20	0.38	0.07	0.36
(4,4161)	2:258:A:ILE:HD12	2:259:A:VAL:H	20	0.38	0.07	0.36
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	20	0.38	0.04	0.38
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	20	0.38	0.04	0.38
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	20	0.38	0.04	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	20	0.38	0.01	0.38
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	20	0.38	0.03	0.38
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.38	0.05	0.36
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	20	0.38	0.05	0.36
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	20	0.38	0.05	0.36
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	20	0.38	0.02	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	20	0.38	0.01	0.38
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	20	0.38	0.03	0.38
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	20	0.38	0.08	0.38
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	20	0.38	0.08	0.38
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE2	20	0.38	0.08	0.38
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	20	0.37	0.03	0.37
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.37	0.02	0.38
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	20	0.37	0.02	0.38
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	20	0.37	0.02	0.38
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	20	0.37	0.04	0.38
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	20	0.37	0.04	0.38
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG23	20	0.37	0.04	0.38
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	20	0.37	0.05	0.37
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	20	0.37	0.05	0.37
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	20	0.37	0.05	0.37
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	20	0.37	0.06	0.34
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	20	0.37	0.03	0.36
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	20	0.37	0.09	0.38
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	20	0.37	0.09	0.38
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG12	20	0.37	0.09	0.38
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	20	0.37	0.02	0.37
(4,3606)	2:327:A:ALA:HB1	2:327:A:ALA:HA	20	0.36	0.01	0.37
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	20	0.36	0.01	0.37
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	20	0.36	0.01	0.37
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	20	0.36	0.18	0.48
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	20	0.36	0.06	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	20	0.36	0.06	0.34
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG22	20	0.36	0.06	0.34
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	20	0.36	0.05	0.36
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD1	20	0.36	0.05	0.36
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	20	0.36	0.02	0.36
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	20	0.36	0.02	0.36
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG21	20	0.36	0.02	0.36
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	20	0.35	0.04	0.35
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD13	20	0.35	0.04	0.35
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	20	0.35	0.04	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	20	0.35	0.01	0.36
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB3	20	0.35	0.04	0.36
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	20	0.35	0.04	0.36
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	20	0.35	0.04	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	20	0.35	0.08	0.36
(3,491)	2:341:A:LYS:HD3	2:341:A:LYS:HA	20	0.35	0.08	0.36
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	20	0.35	0.15	0.28
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	20	0.35	0.17	0.34
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	20	0.35	0.09	0.36
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	20	0.35	0.09	0.36
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	20	0.35	0.09	0.36
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	20	0.35	0.18	0.3
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	20	0.35	0.18	0.3
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.35	0.18	0.3
(4,3069)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	20	0.35	0.18	0.3
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	20	0.35	0.03	0.35
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	20	0.35	0.05	0.35
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD1	20	0.35	0.05	0.35
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	20	0.35	0.12	0.33
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	20	0.35	0.12	0.33
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	20	0.35	0.12	0.33
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	20	0.35	0.02	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	20	0.35	0.04	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB2	20	0.35	0.04	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB1	20	0.35	0.04	0.34
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	20	0.34	0.06	0.34
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	20	0.34	0.06	0.34
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	20	0.34	0.08	0.34
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	20	0.34	0.08	0.34
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE2	20	0.34	0.08	0.34
(4,642)	2:327:A:ALA:HB1	2:327:A:ALA:HA	20	0.34	0.01	0.35
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	20	0.34	0.01	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	20	0.34	0.01	0.35
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	20	0.34	0.05	0.34
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	20	0.34	0.08	0.32
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	20	0.34	0.08	0.32
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	20	0.34	0.08	0.32
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	20	0.34	0.01	0.35
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	20	0.34	0.14	0.3
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB3	20	0.34	0.04	0.36
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	20	0.34	0.04	0.36
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	20	0.34	0.04	0.36
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	20	0.34	0.02	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	20	0.34	0.02	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG21	20	0.34	0.02	0.34
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	20	0.34	0.07	0.32
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	20	0.34	0.07	0.32
(4,1079)	2:258:A:ILE:HD12	2:259:A:VAL:H	20	0.34	0.07	0.32
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD22	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD22	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD21	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD23	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD21	20	0.34	0.06	0.35
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD21	20	0.34	0.06	0.35
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	20	0.34	0.08	0.34
(3,545)	2:341:A:LYS:HD3	2:341:A:LYS:HA	20	0.34	0.08	0.34
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	20	0.34	0.02	0.34
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	20	0.34	0.02	0.34
(4,1118)	2:315:A:VAL:HG11	2:314:A:ASN:H	20	0.34	0.02	0.34
(4,4231)	2:280:A:VAL:HG11	2:281:A:LEU:H	20	0.34	0.07	0.34
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	20	0.34	0.07	0.34
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	20	0.34	0.07	0.34
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.34	0.3	0.15
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	20	0.34	0.02	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	20	0.34	0.02	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB1	20	0.34	0.02	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	20	0.34	0.0	0.34
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	20	0.34	0.05	0.34
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	20	0.34	0.05	0.34
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	20	0.34	0.05	0.34
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	20	0.34	0.06	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	20	0.34	0.04	0.34
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB1	20	0.34	0.04	0.34
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB3	20	0.34	0.04	0.34
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	20	0.33	0.06	0.34
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	20	0.33	0.06	0.34
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.33	0.05	0.32
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	20	0.33	0.05	0.32
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	20	0.33	0.05	0.32
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	20	0.33	0.14	0.29
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	20	0.33	0.2	0.29
(3,354)	2:284:A:MET:HE2	2:336:A:ARG:HB2	20	0.33	0.2	0.29
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.33	0.2	0.29
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	20	0.33	0.08	0.34
(3,8)	2:341:A:LYS:HD3	2:341:A:LYS:HA	20	0.33	0.08	0.34
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG23	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG21	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG22	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG23	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG21	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG22	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG22	20	0.33	0.12	0.33
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG21	20	0.33	0.12	0.33
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD22	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD22	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD21	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD23	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD21	20	0.33	0.06	0.34
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD21	20	0.33	0.06	0.34
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	20	0.33	0.04	0.32
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB2	20	0.33	0.04	0.32
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB1	20	0.33	0.04	0.32
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	20	0.33	0.02	0.33
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	20	0.33	0.02	0.33
(4,2324)	2:295:A:VAL:HG22	2:297:A:ARG:H	20	0.33	0.02	0.33
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	20	0.33	0.18	0.28
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	20	0.33	0.18	0.28
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.33	0.18	0.28
(4,250)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	20	0.33	0.18	0.28
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	20	0.33	0.03	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	20	0.33	0.03	0.34
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	20	0.33	0.03	0.34
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	20	0.33	0.12	0.31
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	20	0.33	0.12	0.31
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	20	0.33	0.12	0.31
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	20	0.33	0.02	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	20	0.33	0.02	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB1	20	0.33	0.02	0.33
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	20	0.33	0.04	0.33
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	20	0.33	0.04	0.33
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG23	20	0.33	0.04	0.33
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	20	0.32	0.01	0.32
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	20	0.32	0.01	0.32
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	20	0.32	0.01	0.32
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	20	0.32	0.07	0.34
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	20	0.32	0.07	0.34
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD13	20	0.32	0.07	0.34
(3,415)	2:318:A:ILE:H	2:261:A:LEU:HD13	20	0.32	0.07	0.34
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	20	0.32	0.08	0.32
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	20	0.32	0.02	0.32
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	20	0.32	0.02	0.32
(4,1533)	2:295:A:VAL:HG22	2:297:A:ARG:H	20	0.32	0.02	0.32
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	20	0.32	0.04	0.32
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB1	20	0.32	0.04	0.32
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB3	20	0.32	0.04	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	20	0.32	0.01	0.32
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	20	0.32	0.04	0.32
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	20	0.32	0.04	0.32
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	20	0.32	0.04	0.32
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	20	0.32	0.07	0.3
(4,1224)	2:284:A:MET:HE3	2:288:A:GLY:HA3	20	0.32	0.07	0.3
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	20	0.32	0.07	0.3
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	20	0.32	0.02	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG22	20	0.32	0.02	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	20	0.32	0.02	0.32
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	20	0.32	0.08	0.34
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	20	0.32	0.08	0.34
(3,372)	2:289:A:THR:HG22	2:290:A:ILE:HB	20	0.32	0.08	0.34
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	20	0.32	0.05	0.33
(4,2713)	2:329:A:PHE:HD1	2:329:A:PHE:H	20	0.32	0.05	0.33
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	20	0.32	0.09	0.3
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	20	0.32	0.09	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG23	20	0.32	0.09	0.3
(4,4133)	2:282:A:ILE:HG21	2:336:A:ARG:H	20	0.32	0.06	0.33
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	20	0.32	0.06	0.33
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	20	0.32	0.06	0.33
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	20	0.32	0.06	0.32
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	20	0.32	0.06	0.32
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	20	0.32	0.06	0.32
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	20	0.32	0.15	0.24
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	20	0.31	0.06	0.3
(3,202)	2:292:A:ASN:H	2:293:A:ALA:HA	20	0.31	0.06	0.3
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	20	0.31	0.01	0.31
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	20	0.31	0.01	0.31
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	20	0.31	0.01	0.31
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG23	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	20	0.31	0.08	0.3
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG22	20	0.31	0.08	0.3
(4,1140)	2:280:A:VAL:HG11	2:281:A:LEU:H	20	0.31	0.07	0.3
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	20	0.31	0.07	0.3
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	20	0.31	0.07	0.3
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	20	0.31	0.08	0.31
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	20	0.31	0.02	0.31
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	20	0.31	0.03	0.32
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	20	0.31	0.03	0.32
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	20	0.31	0.03	0.32
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	20	0.31	0.05	0.32
(4,1827)	2:329:A:PHE:HD1	2:329:A:PHE:H	20	0.31	0.05	0.32
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	20	0.31	0.01	0.31
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	20	0.31	0.04	0.31
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	20	0.31	0.04	0.31
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	20	0.31	0.04	0.31
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	20	0.31	0.09	0.31
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	20	0.31	0.03	0.31
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	20	0.31	0.03	0.31
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	20	0.31	0.03	0.31
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	20	0.3	0.02	0.3
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	20	0.3	0.02	0.3
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	20	0.3	0.02	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3796)	2:261:A:LEU:HD13	2:261:A:LEU:H	20	0.3	0.02	0.3
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	20	0.3	0.03	0.3
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	20	0.3	0.03	0.3
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	20	0.3	0.02	0.29
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	20	0.29	0.05	0.3
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	20	0.29	0.05	0.3
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	20	0.29	0.05	0.3
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	20	0.29	0.02	0.29
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	20	0.29	0.05	0.3
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	20	0.29	0.08	0.26
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	20	0.29	0.08	0.26
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	20	0.29	0.08	0.26
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	20	0.29	0.01	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	20	0.29	0.02	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG12	20	0.29	0.02	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	20	0.29	0.02	0.29
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	20	0.29	0.03	0.3
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	20	0.29	0.03	0.29
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	20	0.29	0.03	0.29
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG22	20	0.29	0.03	0.29
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	20	0.29	0.02	0.29
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.29	0.02	0.29
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD23	20	0.29	0.02	0.29
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	20	0.29	0.08	0.28
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	20	0.28	0.04	0.29
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG12	20	0.28	0.04	0.29
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	20	0.28	0.04	0.29
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	20	0.28	0.05	0.29
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	20	0.28	0.07	0.26
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	20	0.28	0.01	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG22	20	0.28	0.01	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	20	0.28	0.01	0.28
(4,1059)	2:282:A:ILE:HG21	2:336:A:ARG:H	20	0.28	0.06	0.3
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	20	0.28	0.06	0.3
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	20	0.28	0.06	0.3
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	20	0.28	0.2	0.24
(4,2957)	2:284:A:MET:HE2	2:336:A:ARG:HB2	20	0.28	0.2	0.24
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.28	0.2	0.24
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	20	0.28	0.01	0.28
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	20	0.28	0.03	0.29
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	20	0.28	0.03	0.29
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	20	0.28	0.03	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	20	0.28	0.03	0.29
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	20	0.28	0.03	0.29
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG23	20	0.28	0.03	0.29
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	20	0.28	0.03	0.29
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG23	20	0.28	0.03	0.29
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	20	0.28	0.01	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	20	0.28	0.01	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	20	0.28	0.01	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	20	0.28	0.01	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG12	20	0.28	0.01	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	20	0.28	0.01	0.28
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	20	0.28	0.02	0.28
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.28	0.02	0.28
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	20	0.28	0.08	0.26
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	20	0.27	0.03	0.28
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	20	0.27	0.08	0.26
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	20	0.27	0.1	0.26
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	20	0.27	0.03	0.28
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	20	0.27	0.1	0.23
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	20	0.27	0.1	0.23
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	20	0.27	0.1	0.23
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	20	0.27	0.02	0.27
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	20	0.27	0.03	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	20	0.27	0.03	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	20	0.27	0.03	0.28
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	20	0.27	0.02	0.27
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	20	0.27	0.02	0.27
(4,786)	2:261:A:LEU:HD13	2:261:A:LEU:H	20	0.27	0.02	0.27
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	20	0.27	0.04	0.26
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	20	0.26	0.03	0.27
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.26	0.03	0.27
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	20	0.26	0.2	0.22
(4,151)	2:284:A:MET:HE2	2:336:A:ARG:HB2	20	0.26	0.2	0.22
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.26	0.2	0.22
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	20	0.26	0.05	0.28
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	20	0.26	0.05	0.28
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	20	0.26	0.05	0.28
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	20	0.26	0.03	0.26
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	20	0.26	0.03	0.26
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	20	0.26	0.03	0.26
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	20	0.26	0.17	0.2
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	20	0.26	0.03	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	20	0.26	0.02	0.27
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	20	0.26	0.02	0.27
(4,1986)	2:315:A:VAL:HG11	2:314:A:ASN:H	20	0.26	0.02	0.27
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	20	0.26	0.06	0.26
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	20	0.26	0.06	0.26
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	20	0.26	0.06	0.26
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	20	0.26	0.04	0.26
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	20	0.26	0.03	0.26
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	20	0.26	0.02	0.26
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	20	0.26	0.06	0.22
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	20	0.26	0.03	0.25
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	20	0.26	0.02	0.26
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.26	0.02	0.26
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD23	20	0.26	0.02	0.26
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	20	0.26	0.07	0.25
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	20	0.26	0.07	0.25
(3,61)	2:338:A:ILE:HG23	2:339:A:ILE:H	20	0.26	0.07	0.25
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	20	0.26	0.04	0.26
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG12	20	0.26	0.04	0.26
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	20	0.26	0.04	0.26
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	20	0.25	0.02	0.25
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	20	0.25	0.05	0.25
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	20	0.25	0.03	0.26
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	20	0.25	0.03	0.26
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	20	0.25	0.03	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	20	0.25	0.0	0.25
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	20	0.25	0.04	0.24
(4,2928)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	20	0.25	0.04	0.24
(4,2928)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	20	0.25	0.04	0.24
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	20	0.25	0.01	0.25
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	20	0.25	0.06	0.25
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	20	0.25	0.06	0.25
(4,2831)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	20	0.25	0.06	0.25
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	20	0.25	0.08	0.24
(3,206)	2:285:A:LEU:HB2	2:291:A:THR:H	20	0.25	0.08	0.24
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	20	0.25	0.07	0.23
(4,1988)	2:284:A:MET:HE3	2:288:A:GLY:HA3	20	0.25	0.07	0.23
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	20	0.25	0.07	0.23
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	20	0.25	0.01	0.25
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	20	0.25	0.06	0.23
(3,299)	2:292:A:ASN:H	2:293:A:ALA:HA	20	0.25	0.06	0.23
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	20	0.25	0.01	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	20	0.25	0.04	0.24
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	20	0.25	0.04	0.24
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	20	0.25	0.04	0.24
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	20	0.25	0.01	0.24
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	20	0.25	0.09	0.3
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	20	0.25	0.03	0.24
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	20	0.25	0.18	0.18
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	20	0.24	0.01	0.24
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	20	0.24	0.04	0.25
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	20	0.24	0.07	0.22
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	20	0.24	0.04	0.24
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	20	0.24	0.04	0.24
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	20	0.24	0.04	0.24
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	20	0.24	0.06	0.24
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	20	0.24	0.06	0.24
(4,35)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	20	0.24	0.06	0.24
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	20	0.24	0.03	0.24
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	20	0.24	0.04	0.23
(4,127)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	20	0.24	0.04	0.23
(4,127)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	20	0.24	0.04	0.23
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	20	0.24	0.02	0.24
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	20	0.24	0.02	0.24
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	20	0.24	0.02	0.24
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	20	0.24	0.01	0.23
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	20	0.24	0.06	0.26
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	20	0.24	0.01	0.24
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	20	0.23	0.05	0.25
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	20	0.23	0.05	0.25
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	20	0.23	0.05	0.25
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	20	0.23	0.01	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	20	0.23	0.01	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	20	0.23	0.01	0.24
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	20	0.23	0.02	0.23
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG23	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	20	0.23	0.03	0.23
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG23	20	0.23	0.03	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	20	0.22	0.05	0.21
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	20	0.22	0.05	0.21
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	20	0.22	0.03	0.22
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	20	0.22	0.06	0.2
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	20	0.22	0.06	0.2
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG22	20	0.22	0.06	0.2
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	20	0.22	0.06	0.18
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	20	0.22	0.03	0.22
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	20	0.22	0.03	0.22
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	20	0.22	0.04	0.23
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	20	0.22	0.03	0.22
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	20	0.22	0.03	0.22
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	20	0.22	0.03	0.22
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	20	0.22	0.02	0.22
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	20	0.22	0.02	0.22
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	20	0.22	0.02	0.22
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	20	0.22	0.03	0.22
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	20	0.22	0.03	0.22
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	20	0.22	0.03	0.22
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	20	0.22	0.03	0.22
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	20	0.22	0.03	0.22
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG22	20	0.22	0.03	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	20	0.22	0.02	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	20	0.22	0.02	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	20	0.22	0.02	0.22
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	20	0.22	0.13	0.2
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	20	0.22	0.03	0.2
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	20	0.22	0.01	0.21
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	20	0.22	0.03	0.22
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	20	0.21	0.03	0.21
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG21	20	0.21	0.03	0.21
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	20	0.21	0.03	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	20	0.21	0.01	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	20	0.21	0.01	0.21
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	20	0.21	0.06	0.2
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	20	0.21	0.06	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	20	0.21	0.04	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	20	0.21	0.04	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	20	0.21	0.04	0.2
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	20	0.21	0.06	0.19
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	20	0.21	0.02	0.22
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	20	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	20	0.21	0.02	0.21
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	20	0.21	0.02	0.21
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	20	0.21	0.03	0.21
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	20	0.21	0.03	0.21
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	20	0.21	0.04	0.22
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	20	0.21	0.04	0.22
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	20	0.21	0.04	0.22
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	20	0.21	0.01	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	20	0.21	0.01	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	20	0.21	0.01	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	20	0.21	0.01	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG23	20	0.21	0.01	0.21
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	20	0.2	0.03	0.2
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	20	0.2	0.03	0.2
(4,3163)	2:290:A:ILE:HG23	2:290:A:ILE:HA	20	0.2	0.03	0.2
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	20	0.2	0.02	0.21
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	20	0.2	0.02	0.21
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	20	0.2	0.02	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	20	0.2	0.01	0.2
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	20	0.2	0.04	0.2
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	20	0.2	0.04	0.2
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	20	0.2	0.04	0.2
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	20	0.2	0.04	0.2
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	20	0.2	0.03	0.2
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	20	0.2	0.03	0.2
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG21	20	0.2	0.03	0.2
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	20	0.2	0.03	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	20	0.2	0.01	0.2
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	20	0.2	0.04	0.19
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	20	0.2	0.02	0.19
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG21	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG22	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG22	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG22	20	0.2	0.06	0.2
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG21	20	0.2	0.06	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	20	0.19	0.01	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	20	0.19	0.01	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG23	20	0.19	0.01	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	20	0.19	0.03	0.19
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG21	20	0.19	0.03	0.19
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	20	0.19	0.03	0.19
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	20	0.19	0.04	0.18
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	20	0.19	0.03	0.19
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	20	0.19	0.03	0.19
(4,324)	2:290:A:ILE:HG23	2:290:A:ILE:HA	20	0.19	0.03	0.19
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB2	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB3	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB1	20	0.19	0.02	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB2	20	0.19	0.02	0.19
(4,3603)	2:327:A:ALA:HB3	2:327:A:ALA:H	20	0.19	0.03	0.2
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	20	0.19	0.03	0.2
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	20	0.19	0.03	0.2
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	20	0.19	0.03	0.2
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	20	0.19	0.03	0.18
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	20	0.19	0.03	0.19
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	20	0.19	0.03	0.19
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	20	0.19	0.04	0.2
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	20	0.19	0.04	0.2
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG23	20	0.19	0.04	0.2
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	20	0.19	0.05	0.2
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	20	0.19	0.05	0.2
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	20	0.19	0.05	0.2
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	20	0.19	0.07	0.18
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	20	0.19	0.07	0.18
(3,391)	2:338:A:ILE:HG23	2:339:A:ILE:H	20	0.19	0.07	0.18
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG23	20	0.18	0.03	0.2
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	20	0.18	0.03	0.2
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG22	20	0.18	0.03	0.2
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG23	20	0.18	0.03	0.2
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG21	20	0.18	0.03	0.2
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	20	0.18	0.03	0.18
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	20	0.18	0.03	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	20	0.18	0.01	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	20	0.18	0.01	0.18
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB2	20	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB3	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB1	20	0.18	0.02	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB2	20	0.18	0.02	0.18
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	20	0.18	0.04	0.18
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	20	0.18	0.03	0.16
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	20	0.18	0.01	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	20	0.18	0.01	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	20	0.18	0.01	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	20	0.18	0.01	0.18
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	20	0.18	0.04	0.17
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	20	0.18	0.04	0.17
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	20	0.18	0.04	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	20	0.17	0.01	0.17
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	20	0.17	0.04	0.16
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD2	20	0.17	0.04	0.16
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	20	0.17	0.03	0.17
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	20	0.17	0.01	0.17
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	20	0.17	0.01	0.17
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	20	0.17	0.01	0.17
(4,639)	2:327:A:ALA:HB3	2:327:A:ALA:H	20	0.17	0.03	0.18
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	20	0.17	0.03	0.18
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	20	0.17	0.03	0.18
(4,3604)	2:327:A:ALA:HB2	2:328:A:THR:H	20	0.17	0.02	0.17
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	20	0.17	0.02	0.17
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	20	0.17	0.02	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	20	0.17	0.01	0.17
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	20	0.17	0.01	0.16
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	20	0.16	0.02	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	20	0.16	0.02	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	20	0.16	0.0	0.16
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	20	0.16	0.02	0.16
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	20	0.16	0.02	0.16
(4,3143)	2:259:A:VAL:HG12	2:259:A:VAL:HA	20	0.16	0.02	0.16
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	20	0.16	0.04	0.16
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	20	0.16	0.01	0.16
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	20	0.16	0.01	0.16
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	20	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	20	0.16	0.0	0.16
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	20	0.16	0.01	0.16
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	20	0.16	0.02	0.15
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	20	0.15	0.02	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	20	0.15	0.01	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	20	0.15	0.01	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	20	0.15	0.01	0.16
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	20	0.15	0.03	0.15
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	20	0.15	0.03	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	20	0.15	0.01	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	20	0.15	0.01	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG11	20	0.15	0.01	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	20	0.15	0.0	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	20	0.15	0.0	0.15
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	20	0.15	0.02	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	20	0.15	0.0	0.15
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	20	0.15	0.02	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	20	0.15	0.01	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	20	0.15	0.01	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD11	20	0.15	0.01	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD23	20	0.15	0.01	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD13	20	0.15	0.01	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD22	20	0.15	0.01	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD12	20	0.15	0.01	0.15
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	20	0.15	0.02	0.15
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	20	0.15	0.02	0.15
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	20	0.14	0.02	0.15
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	20	0.14	0.02	0.15
(4,3810)	2:291:A:THR:HG23	2:291:A:THR:HA	20	0.14	0.02	0.15
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	20	0.14	0.0	0.14
(4,640)	2:327:A:ALA:HB2	2:328:A:THR:H	20	0.14	0.02	0.14
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	20	0.14	0.02	0.14
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	20	0.14	0.02	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	20	0.14	0.01	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	20	0.14	0.01	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	20	0.14	0.01	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	20	0.14	0.01	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG11	20	0.14	0.01	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	20	0.14	0.01	0.14
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	20	0.13	0.01	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	20	0.13	0.01	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD11	20	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD23	20	0.13	0.01	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD13	20	0.13	0.01	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD22	20	0.13	0.01	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD12	20	0.13	0.01	0.13
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	20	0.13	0.02	0.14
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	20	0.13	0.01	0.13
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	20	0.12	0.02	0.12
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	19	1.63	0.34	1.71
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	19	1.63	0.34	1.71
(4,1188)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	19	1.63	0.34	1.71
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	19	1.58	0.34	1.66
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	19	1.58	0.34	1.66
(4,2028)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	19	1.58	0.34	1.66
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	19	0.98	0.12	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	19	0.98	0.12	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	19	0.98	0.12	0.92
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	19	0.94	0.12	0.89
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	19	0.94	0.12	0.89
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	19	0.94	0.12	0.89
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG11	19	0.58	0.64	0.27
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	19	0.58	0.64	0.27
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG12	19	0.58	0.64	0.27
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	19	0.57	0.11	0.6
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	19	0.57	0.11	0.6
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD21	19	0.57	0.11	0.6
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG11	19	0.56	0.64	0.25
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	19	0.56	0.64	0.25
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG12	19	0.56	0.64	0.25
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	19	0.54	0.66	0.15
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	19	0.51	0.08	0.46
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	19	0.5	0.04	0.5
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	19	0.5	0.04	0.5
(4,4250)	2:339:A:ILE:HD11	2:277:A:SER:HB3	19	0.5	0.04	0.5
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	19	0.5	0.39	0.43
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	19	0.5	0.39	0.43
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	19	0.5	0.39	0.43
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	19	0.47	0.08	0.42
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	19	0.47	0.39	0.41
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	19	0.47	0.39	0.41
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	19	0.47	0.39	0.41
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	19	0.46	0.04	0.46
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	19	0.46	0.04	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1152)	2:339:A:ILE:HD11	2:277:A:SER:HB3	19	0.46	0.04	0.46
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	19	0.45	0.13	0.42
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	19	0.45	0.13	0.42
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	19	0.45	0.13	0.42
(3,519)	2:339:A:ILE:HG22	2:341:A:LYS:HD3	19	0.45	0.13	0.42
(3,519)	2:339:A:ILE:HG21	2:341:A:LYS:HD3	19	0.45	0.13	0.42
(3,519)	2:339:A:ILE:HG23	2:341:A:LYS:HD3	19	0.45	0.13	0.42
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	19	0.44	0.13	0.41
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	19	0.44	0.13	0.41
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	19	0.44	0.13	0.41
(3,31)	2:339:A:ILE:HG22	2:341:A:LYS:HD3	19	0.44	0.13	0.41
(3,31)	2:339:A:ILE:HG21	2:341:A:LYS:HD3	19	0.44	0.13	0.41
(3,31)	2:339:A:ILE:HG23	2:341:A:LYS:HD3	19	0.44	0.13	0.41
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	19	0.43	0.22	0.39
(4,3852)	2:321:A:MET:HE3	2:321:A:MET:H	19	0.43	0.22	0.39
(4,3852)	2:321:A:MET:HE2	2:321:A:MET:H	19	0.43	0.22	0.39
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	19	0.41	0.09	0.39
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	19	0.41	0.09	0.39
(4,4344)	2:321:A:MET:HE1	2:288:A:GLY:HA3	19	0.41	0.09	0.39
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	19	0.38	0.1	0.39
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	19	0.38	0.1	0.39
(4,343)	2:281:A:LEU:HD13	2:336:A:ARG:HA	19	0.38	0.1	0.39
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	19	0.37	0.05	0.38
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	19	0.37	0.05	0.38
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD23	19	0.37	0.05	0.38
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	19	0.37	0.09	0.35
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	19	0.37	0.09	0.35
(4,1217)	2:321:A:MET:HE1	2:288:A:GLY:HA3	19	0.37	0.09	0.35
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	19	0.36	0.09	0.39
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	19	0.36	0.09	0.39
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB1	19	0.36	0.09	0.39
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	19	0.36	0.12	0.34
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD11	19	0.36	0.12	0.34
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD12	19	0.36	0.12	0.34
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	19	0.33	0.09	0.34
(4,2564)	2:280:A:VAL:HG11	2:294:A:SER:H	19	0.33	0.09	0.34
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	19	0.33	0.09	0.34
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	19	0.33	0.09	0.33
(4,1702)	2:280:A:VAL:HG11	2:294:A:SER:H	19	0.33	0.09	0.33
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	19	0.33	0.09	0.33
(4,4027)	2:339:A:ILE:HG22	2:277:A:SER:HB3	19	0.32	0.07	0.35
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	19	0.32	0.07	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	19	0.32	0.07	0.35
(4,3906)	2:281:A:LEU:HD13	2:296:A:SER:HB3	19	0.3	0.06	0.32
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	19	0.3	0.06	0.32
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	19	0.3	0.06	0.32
(4,976)	2:339:A:ILE:HG22	2:277:A:SER:HB3	19	0.29	0.07	0.32
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	19	0.29	0.07	0.32
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	19	0.29	0.07	0.32
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	19	0.27	0.08	0.3
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	19	0.27	0.08	0.3
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD21	19	0.27	0.08	0.3
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	19	0.26	0.09	0.24
(3,451)	2:317:A:ARG:HG3	2:318:A:ILE:H	19	0.26	0.09	0.24
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	19	0.26	0.03	0.26
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	19	0.25	0.08	0.23
(3,207)	2:317:A:ARG:HG3	2:318:A:ILE:H	19	0.25	0.08	0.23
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	19	0.25	0.09	0.23
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	19	0.25	0.07	0.24
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	19	0.25	0.07	0.24
(4,4259)	2:258:A:ILE:HD11	2:333:A:TYR:HA	19	0.25	0.07	0.24
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	19	0.24	0.08	0.22
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	19	0.24	0.09	0.31
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	19	0.23	0.05	0.22
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	19	0.22	0.06	0.21
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE1	19	0.22	0.06	0.21
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	19	0.22	0.06	0.21
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	19	0.21	0.04	0.21
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	19	0.21	0.04	0.21
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	19	0.21	0.03	0.21
(4,3147)	1:6:B:ILE:HD13	2:259:A:VAL:HA	19	0.21	0.03	0.21
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	19	0.21	0.03	0.21
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	19	0.21	0.08	0.19
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	19	0.21	0.03	0.21
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	19	0.21	0.03	0.21
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD22	19	0.21	0.03	0.21
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	19	0.2	0.09	0.18
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	19	0.2	0.09	0.18
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG23	19	0.2	0.09	0.18
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	19	0.2	0.07	0.18
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	19	0.2	0.04	0.19
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	19	0.2	0.04	0.19
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	19	0.2	0.08	0.2
(3,342)	2:285:A:LEU:HB2	2:291:A:THR:H	19	0.2	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	19	0.2	0.03	0.2
(4,3771)	1:6:B:ILE:HD13	2:259:A:VAL:HA	19	0.2	0.03	0.2
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	19	0.2	0.03	0.2
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	19	0.19	0.03	0.19
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	19	0.19	0.03	0.19
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD22	19	0.19	0.03	0.19
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	19	0.18	0.06	0.17
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG23	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	19	0.17	0.03	0.17
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG23	19	0.17	0.03	0.17
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	19	0.17	0.03	0.18
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	19	0.17	0.03	0.18
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG21	19	0.17	0.03	0.18
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	19	0.17	0.06	0.16
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	19	0.16	0.04	0.15
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD2	19	0.16	0.04	0.15
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	19	0.15	0.02	0.14
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	19	0.15	0.02	0.15
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	19	0.15	0.03	0.14
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	19	0.15	0.02	0.15
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	19	0.15	0.02	0.15
(4,310)	2:259:A:VAL:HG12	2:259:A:VAL:HA	19	0.15	0.02	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	19	0.15	0.02	0.15
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	19	0.15	0.02	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	19	0.14	0.02	0.14
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	19	0.14	0.02	0.15
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	19	0.14	0.02	0.15
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	19	0.14	0.02	0.13
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	19	0.14	0.02	0.13
(4,3007)	2:328:A:THR:HG23	2:328:A:THR:HA	19	0.14	0.02	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	19	0.12	0.01	0.13
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	19	0.12	0.01	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	19	0.11	0.01	0.11
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	18	0.99	0.74	1.54
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	18	0.97	0.74	1.53
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	18	0.88	0.2	0.92
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	18	0.55	0.05	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	18	0.55	0.05	0.56
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD21	18	0.55	0.05	0.56
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	18	0.52	0.07	0.52
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	18	0.52	0.62	0.22
(4,1221)	2:276:A:MET:HE2	2:304:A:PHE:H	18	0.51	0.14	0.52
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	18	0.51	0.14	0.52
(4,1221)	2:276:A:MET:HE1	2:304:A:PHE:H	18	0.51	0.14	0.52
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	18	0.46	0.11	0.44
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD11	18	0.46	0.11	0.44
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD12	18	0.46	0.11	0.44
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	18	0.46	0.24	0.34
(3,172)	2:336:A:ARG:HB2	2:337:A:ARG:H	18	0.46	0.24	0.34
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	18	0.41	0.22	0.36
(4,830)	2:321:A:MET:HE3	2:321:A:MET:H	18	0.41	0.22	0.36
(4,830)	2:321:A:MET:HE2	2:321:A:MET:H	18	0.41	0.22	0.36
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	18	0.41	0.24	0.29
(3,323)	2:336:A:ARG:HB2	2:337:A:ARG:H	18	0.41	0.24	0.29
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	18	0.4	0.11	0.38
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD11	18	0.4	0.11	0.38
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD12	18	0.4	0.11	0.38
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	18	0.34	0.07	0.36
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	18	0.34	0.07	0.36
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB1	18	0.34	0.07	0.36
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	18	0.34	0.11	0.31
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD11	18	0.34	0.11	0.31
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD12	18	0.34	0.11	0.31
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE1	18	0.33	0.14	0.34
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	18	0.33	0.14	0.34
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	18	0.33	0.14	0.34
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB2	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB2	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB1	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB3	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB1	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB3	18	0.31	0.1	0.32
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB1	18	0.31	0.1	0.32
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	18	0.27	0.07	0.28
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	18	0.27	0.07	0.28
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB1	18	0.27	0.07	0.28
(4,878)	2:281:A:LEU:HD13	2:296:A:SER:HB3	18	0.27	0.05	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	18	0.27	0.05	0.29
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	18	0.27	0.05	0.29
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	18	0.27	0.12	0.24
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	18	0.26	0.08	0.26
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	18	0.25	0.07	0.22
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	18	0.25	0.07	0.22
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD11	18	0.25	0.07	0.22
(4,970)	2:272:A:ALA:HB1	2:273:A:ARG:HA	18	0.24	0.09	0.21
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	18	0.24	0.09	0.21
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	18	0.24	0.09	0.21
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	18	0.24	0.12	0.22
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	18	0.23	0.07	0.2
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	18	0.23	0.07	0.2
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD11	18	0.23	0.07	0.2
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	18	0.23	0.08	0.28
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	18	0.22	0.06	0.22
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	18	0.22	0.06	0.22
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG23	18	0.22	0.06	0.22
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	18	0.22	0.04	0.23
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	18	0.22	0.04	0.23
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	18	0.22	0.04	0.23
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	18	0.21	0.1	0.16
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	18	0.21	0.1	0.16
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	18	0.2	0.04	0.2
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	18	0.2	0.06	0.19
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	18	0.2	0.06	0.19
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE1	18	0.2	0.06	0.19
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	18	0.2	0.04	0.2
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	18	0.2	0.04	0.21
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	18	0.2	0.04	0.21
(4,4212)	2:315:A:VAL:HG12	2:315:A:VAL:HA	18	0.2	0.04	0.21
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	18	0.18	0.03	0.18
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	18	0.18	0.03	0.18
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG12	18	0.18	0.03	0.18
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	18	0.17	0.03	0.18
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	18	0.14	0.02	0.14
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	18	0.14	0.02	0.13
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	18	0.13	0.02	0.13
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	18	0.13	0.02	0.12
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	18	0.13	0.02	0.12
(4,191)	2:328:A:THR:HG23	2:328:A:THR:HA	18	0.13	0.02	0.12
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	18	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	17	1.76	0.01	1.76
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	17	1.76	0.01	1.76
(4,18)	2:324:A:LEU:HD11	2:325:A:PRO:HD3	17	1.76	0.01	1.76
(4,2814)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	17	1.54	0.11	1.51
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	17	1.54	0.11	1.51
(4,2814)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	17	1.54	0.11	1.51
(4,21)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	17	1.53	0.11	1.49
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	17	1.53	0.11	1.49
(4,21)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	17	1.53	0.11	1.49
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	17	1.36	0.25	1.26
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	17	1.34	0.25	1.25
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	17	1.2	0.11	1.21
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	17	1.18	0.11	1.19
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	17	1.01	0.22	0.91
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	17	1.0	0.22	0.9
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	17	0.92	0.06	0.92
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	17	0.91	0.1	0.92
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	17	0.91	0.1	0.92
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	17	0.91	0.1	0.92
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	17	0.86	0.1	0.88
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	17	0.86	0.1	0.88
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	17	0.86	0.1	0.88
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	17	0.83	0.29	0.89
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	17	0.83	0.29	0.89
(3,511)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	17	0.83	0.29	0.89
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	17	0.81	0.29	0.87
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	17	0.81	0.29	0.87
(3,24)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	17	0.81	0.29	0.87
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	17	0.68	1.02	0.25
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	17	0.68	1.02	0.25
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	17	0.68	1.02	0.25
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	17	0.63	0.08	0.61
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	17	0.61	0.08	0.59
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	17	0.59	0.03	0.61
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	17	0.58	0.56	0.24
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	17	0.58	0.56	0.24
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	17	0.58	0.56	0.24
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	17	0.56	0.2	0.59
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	17	0.56	0.2	0.59
(4,2775)	2:229:A:ALA:HB3	2:231:A:LEU:H	17	0.56	0.2	0.59
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	17	0.55	0.03	0.57
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	17	0.55	0.2	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	17	0.55	0.2	0.57
(4,1881)	2:229:A:ALA:HB3	2:231:A:LEU:H	17	0.55	0.2	0.57
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	17	0.52	0.03	0.52
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	17	0.52	0.21	0.56
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	17	0.52	0.21	0.56
(3,71)	2:345:A:LEU:HD22	2:276:A:MET:H	17	0.52	0.21	0.56
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB1	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB3	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB2	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB1	17	0.49	0.06	0.47
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB2	17	0.49	0.06	0.47
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	17	0.45	0.18	0.54
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB1	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB3	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB2	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB1	17	0.45	0.06	0.43
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB2	17	0.45	0.06	0.43
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	17	0.43	0.18	0.52
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	17	0.42	0.1	0.4
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD23	17	0.42	0.1	0.4
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD21	17	0.42	0.1	0.4
(3,77)	2:251:A:THR:HB	2:332:A:LEU:HD23	17	0.42	0.1	0.4
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	17	0.4	0.06	0.41
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	17	0.39	0.13	0.4
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	17	0.39	0.13	0.4
(3,154)	2:321:A:MET:HE3	2:333:A:TYR:HA	17	0.39	0.13	0.4
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	17	0.35	0.1	0.33
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD23	17	0.35	0.1	0.33
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD21	17	0.35	0.1	0.33
(3,400)	2:251:A:THR:HB	2:332:A:LEU:HD23	17	0.35	0.1	0.33
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE1	17	0.33	0.13	0.33
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE3	17	0.33	0.13	0.33
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	17	0.33	0.13	0.33
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	17	0.32	0.13	0.3
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG23	17	0.32	0.13	0.3
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	17	0.32	0.13	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	17	0.31	0.03	0.32
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	17	0.31	0.03	0.32
(4,3338)	2:328:A:THR:HG21	2:324:A:LEU:HB2	17	0.31	0.03	0.32
(4,2805)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	17	0.3	0.01	0.3
(4,2805)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	17	0.3	0.01	0.3
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	17	0.3	0.01	0.3
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	17	0.29	0.09	0.3
(4,4349)	2:276:A:MET:HE3	2:273:A:ARG:H	17	0.29	0.09	0.3
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	17	0.29	0.09	0.3
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	17	0.29	0.03	0.3
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	17	0.29	0.03	0.3
(4,439)	2:328:A:THR:HG21	2:324:A:LEU:HB2	17	0.29	0.03	0.3
(4,12)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	17	0.28	0.01	0.28
(4,12)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	17	0.28	0.01	0.28
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	17	0.28	0.01	0.28
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	17	0.27	0.03	0.29
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	17	0.27	0.08	0.25
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB2	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD11	2:308:A:ALA:HB2	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB1	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB1	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD11	2:308:A:ALA:HB3	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB3	17	0.25	0.09	0.25
(4,1154)	2:338:A:ILE:HD11	2:308:A:ALA:HB1	17	0.25	0.09	0.25
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	17	0.24	0.08	0.23
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD13	17	0.24	0.08	0.23
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	17	0.24	0.08	0.23
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD11	17	0.24	0.08	0.23
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	17	0.24	0.08	0.23
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD11	17	0.24	0.08	0.23
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	17	0.22	0.01	0.22
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	17	0.21	0.08	0.2
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD13	17	0.21	0.08	0.2
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	17	0.21	0.08	0.2
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD11	17	0.21	0.08	0.2
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	17	0.21	0.08	0.2
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD11	17	0.21	0.08	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	17	0.2	0.01	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	17	0.2	0.01	0.2
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	17	0.2	0.05	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG22	17	0.2	0.05	0.2
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG23	17	0.2	0.05	0.2
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	17	0.19	0.14	0.16
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	17	0.19	0.04	0.2
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	17	0.19	0.04	0.2
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	17	0.19	0.04	0.2
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	17	0.19	0.01	0.19
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	17	0.19	0.09	0.16
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	17	0.18	0.04	0.18
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD1	17	0.18	0.04	0.18
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	17	0.18	0.04	0.18
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	17	0.17	0.04	0.18
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	17	0.17	0.04	0.18
(4,1122)	2:315:A:VAL:HG12	2:315:A:VAL:HA	17	0.17	0.04	0.18
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	17	0.17	0.02	0.17
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	17	0.16	0.03	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	17	0.15	0.02	0.16
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	17	0.14	0.02	0.15
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	17	0.13	0.02	0.13
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	17	0.13	0.01	0.13
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	17	0.13	0.01	0.13
(4,795)	2:291:A:THR:HG23	2:291:A:THR:HA	17	0.13	0.01	0.13
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	16	0.92	0.72	0.59
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG11	16	0.92	0.72	0.59
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG13	16	0.92	0.72	0.59
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	16	0.9	0.72	0.57
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG11	16	0.9	0.72	0.57
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG13	16	0.9	0.72	0.57
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	16	0.7	1.04	0.23
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	16	0.7	1.04	0.23
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	16	0.7	1.04	0.23
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	16	0.53	0.23	0.57
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	16	0.53	0.23	0.57
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	16	0.47	0.09	0.45
(3,110)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	16	0.47	0.09	0.45
(3,110)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	16	0.47	0.09	0.45
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	16	0.45	0.19	0.5
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	16	0.45	0.19	0.5
(3,371)	2:345:A:LEU:HD22	2:276:A:MET:H	16	0.45	0.19	0.5
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	16	0.41	0.09	0.38
(3,427)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	16	0.41	0.09	0.38
(3,427)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	16	0.41	0.09	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	16	0.31	0.12	0.33
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	16	0.31	0.12	0.33
(3,423)	2:321:A:MET:HE3	2:333:A:TYR:HA	16	0.31	0.12	0.33
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	16	0.3	0.16	0.26
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	16	0.3	0.16	0.26
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG21	16	0.3	0.16	0.26
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HB2	16	0.3	0.09	0.31
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	16	0.3	0.09	0.31
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	16	0.3	0.04	0.29
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	16	0.3	0.04	0.29
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD13	16	0.3	0.04	0.29
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	16	0.28	0.04	0.27
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	16	0.28	0.04	0.27
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD13	16	0.28	0.04	0.27
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	16	0.27	0.07	0.28
(4,1219)	2:276:A:MET:HE3	2:273:A:ARG:H	16	0.27	0.07	0.28
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	16	0.27	0.07	0.28
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	16	0.26	0.04	0.26
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	16	0.25	0.05	0.26
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD21	16	0.25	0.05	0.26
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	16	0.25	0.05	0.26
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	16	0.23	0.08	0.27
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	16	0.19	0.05	0.21
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	16	0.16	0.06	0.12
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	16	0.15	0.02	0.15
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	16	0.15	0.03	0.16
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	16	0.15	0.03	0.15
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD1	16	0.15	0.03	0.15
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	16	0.14	0.03	0.15
(4,3331)	2:339:A:ILE:HD13	2:277:A:SER:HB3	16	0.14	0.02	0.14
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	16	0.14	0.02	0.14
(4,3331)	2:339:A:ILE:HD11	2:277:A:SER:HB3	16	0.14	0.02	0.14
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	16	0.14	0.02	0.14
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	16	0.13	0.02	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD12	16	0.13	0.02	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	16	0.13	0.02	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD11	16	0.13	0.02	0.14
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	16	0.13	0.02	0.13
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	16	0.12	0.01	0.12
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	16	0.12	0.01	0.12
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	16	0.11	0.01	0.12
(4,3811)	2:291:A:THR:HG23	2:291:A:THR:HB	16	0.11	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3811)	2:291:A:THR:HG21	2:291:A:THR:HB	16	0.11	0.01	0.12
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	15	0.78	0.13	0.81
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD13	15	0.78	0.13	0.81
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD12	15	0.78	0.13	0.81
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	15	0.77	0.13	0.8
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD13	15	0.77	0.13	0.8
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD12	15	0.77	0.13	0.8
(4,3949)	2:309:A:VAL:HG21	2:306:A:SER:HB2	15	0.69	0.15	0.73
(4,3949)	2:309:A:VAL:HG22	2:306:A:SER:HB2	15	0.69	0.15	0.73
(4,3949)	2:309:A:VAL:HG23	2:306:A:SER:HB2	15	0.69	0.15	0.73
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD12	15	0.63	0.13	0.65
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD13	15	0.63	0.13	0.65
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	15	0.63	0.13	0.65
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD12	15	0.61	0.13	0.64
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD13	15	0.61	0.13	0.64
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	15	0.61	0.13	0.64
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	15	0.59	0.57	0.2
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	15	0.59	0.57	0.2
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	15	0.59	0.57	0.2
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	15	0.55	0.65	0.18
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	15	0.55	0.11	0.56
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	15	0.55	0.11	0.56
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	15	0.55	0.11	0.56
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG21	15	0.54	0.08	0.56
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	15	0.54	0.08	0.56
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG22	15	0.54	0.08	0.56
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	15	0.54	0.2	0.58
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	15	0.54	0.11	0.54
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	15	0.54	0.11	0.54
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	15	0.54	0.11	0.54
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG21	15	0.53	0.08	0.55
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	15	0.53	0.08	0.55
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG22	15	0.53	0.08	0.55
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	15	0.48	0.19	0.4
(3,543)	2:341:A:LYS:HB3	2:341:A:LYS:HE2	15	0.48	0.19	0.4
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	15	0.46	0.63	0.16
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG11	15	0.46	0.63	0.16
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG12	15	0.46	0.63	0.16
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	15	0.46	0.19	0.39
(3,56)	2:341:A:LYS:HB3	2:341:A:LYS:HE2	15	0.46	0.19	0.39
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	15	0.43	0.1	0.44
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	15	0.42	0.1	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	15	0.3	0.04	0.32
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG23	15	0.3	0.12	0.32
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	15	0.3	0.12	0.32
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	15	0.3	0.12	0.32
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	15	0.3	0.02	0.3
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	15	0.29	0.05	0.31
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	15	0.28	0.1	0.27
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG21	15	0.28	0.1	0.27
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	15	0.28	0.1	0.27
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	15	0.28	0.14	0.23
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	15	0.26	0.1	0.25
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG21	15	0.26	0.1	0.25
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	15	0.26	0.1	0.25
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	15	0.26	0.02	0.26
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	15	0.26	0.08	0.26
(3,83)	2:270:A:PRO:HG3	2:270:A:PRO:HA	15	0.26	0.08	0.26
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	15	0.25	0.08	0.23
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	15	0.24	0.1	0.23
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	15	0.24	0.06	0.26
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	15	0.23	0.08	0.21
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	15	0.23	0.06	0.25
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	15	0.22	0.03	0.22
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG11	15	0.22	0.08	0.19
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG12	15	0.22	0.08	0.19
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD13	15	0.22	0.08	0.19
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD11	15	0.22	0.08	0.19
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG13	15	0.22	0.08	0.19
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD12	15	0.22	0.08	0.19
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	15	0.2	0.03	0.19
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG21	15	0.2	0.05	0.19
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG22	15	0.2	0.05	0.19
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG23	15	0.2	0.05	0.19
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	15	0.18	0.03	0.19
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	15	0.18	0.03	0.17
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	15	0.18	0.03	0.17
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	15	0.17	0.03	0.16
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	15	0.17	0.03	0.16
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG23	15	0.15	0.03	0.15
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	15	0.15	0.03	0.15
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG22	15	0.15	0.03	0.15
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	15	0.14	0.03	0.14
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	15	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	15	0.13	0.02	0.12
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	15	0.13	0.02	0.12
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	15	0.12	0.01	0.11
(4,3954)	2:309:A:VAL:HG22	2:309:A:VAL:HA	15	0.12	0.01	0.11
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	15	0.12	0.01	0.11
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	14	0.77	0.05	0.79
(4,2257)	2:285:A:LEU:HD21	2:288:A:GLY:H	14	0.77	0.05	0.79
(4,2257)	2:285:A:LEU:HD23	2:288:A:GLY:H	14	0.77	0.05	0.79
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	14	0.76	0.05	0.78
(4,1472)	2:285:A:LEU:HD21	2:288:A:GLY:H	14	0.76	0.05	0.78
(4,1472)	2:285:A:LEU:HD23	2:288:A:GLY:H	14	0.76	0.05	0.78
(4,911)	2:309:A:VAL:HG21	2:306:A:SER:HB2	14	0.69	0.02	0.69
(4,911)	2:309:A:VAL:HG22	2:306:A:SER:HB2	14	0.69	0.02	0.69
(4,911)	2:309:A:VAL:HG23	2:306:A:SER:HB2	14	0.69	0.02	0.69
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	14	0.57	0.03	0.57
(4,2629)	2:285:A:LEU:HD21	2:287:A:ASP:H	14	0.57	0.03	0.57
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	14	0.57	0.03	0.57
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	14	0.56	0.03	0.56
(4,1757)	2:285:A:LEU:HD21	2:287:A:ASP:H	14	0.56	0.03	0.56
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	14	0.56	0.03	0.56
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG23	14	0.55	0.17	0.61
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG22	14	0.55	0.17	0.61
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG21	14	0.55	0.17	0.61
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG23	14	0.54	0.17	0.6
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG22	14	0.54	0.17	0.6
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG21	14	0.54	0.17	0.6
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	14	0.53	0.08	0.52
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	14	0.5	0.1	0.53
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	14	0.49	0.1	0.52
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	14	0.44	0.08	0.44
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	14	0.38	0.06	0.36
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD2	14	0.38	0.06	0.36
(4,1032)	2:276:A:MET:HE2	2:272:A:ALA:HA	14	0.37	0.06	0.36
(4,1032)	2:276:A:MET:HE1	2:272:A:ALA:HA	14	0.37	0.06	0.36
(4,1032)	2:276:A:MET:HE3	2:272:A:ALA:HA	14	0.37	0.06	0.36
(4,3263)	2:276:A:MET:HE2	2:272:A:ALA:HA	14	0.37	0.06	0.36
(4,3263)	2:276:A:MET:HE1	2:272:A:ALA:HA	14	0.37	0.06	0.36
(4,3263)	2:276:A:MET:HE3	2:272:A:ALA:HA	14	0.37	0.06	0.36
(4,3052)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	14	0.37	0.18	0.3
(4,3052)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	14	0.37	0.18	0.3
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	14	0.37	0.18	0.3
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	14	0.36	0.12	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3480)	2:250:A:VAL:HG12	2:251:A:THR:H	14	0.35	0.13	0.32
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	14	0.35	0.13	0.32
(4,3480)	2:250:A:VAL:HG13	2:251:A:THR:H	14	0.35	0.13	0.32
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG22	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG23	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG22	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG21	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG21	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG21	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG23	14	0.35	0.16	0.35
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG22	14	0.35	0.16	0.35
(4,231)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	14	0.35	0.18	0.28
(4,231)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	14	0.35	0.18	0.28
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	14	0.35	0.18	0.28
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	14	0.34	0.08	0.36
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG21	14	0.34	0.08	0.36
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	14	0.34	0.08	0.36
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	14	0.34	0.07	0.33
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD2	14	0.34	0.07	0.33
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	14	0.34	0.14	0.36
(4,4228)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	14	0.34	0.14	0.36
(4,4228)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	14	0.34	0.14	0.36
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	14	0.34	0.01	0.34
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	14	0.33	0.07	0.33
(3,211)	2:240:A:GLN:HB2	2:241:A:ALA:H	14	0.33	0.07	0.33
(4,550)	2:250:A:VAL:HG12	2:251:A:THR:H	14	0.32	0.13	0.29
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	14	0.32	0.13	0.29
(4,550)	2:250:A:VAL:HG13	2:251:A:THR:H	14	0.32	0.13	0.29
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	14	0.32	0.1	0.33
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	14	0.32	0.06	0.32
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	14	0.31	0.05	0.31
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD13	14	0.31	0.05	0.31
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD12	14	0.31	0.05	0.31
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	14	0.3	0.01	0.3
(4,2023)	2:276:A:MET:HE2	2:272:A:ALA:HA	14	0.3	0.06	0.3
(4,2023)	2:276:A:MET:HE1	2:272:A:ALA:HA	14	0.3	0.06	0.3
(4,2023)	2:276:A:MET:HE3	2:272:A:ALA:HA	14	0.3	0.06	0.3
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	14	0.3	0.14	0.32
(4,1138)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	14	0.3	0.14	0.32
(4,1138)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	14	0.3	0.14	0.32
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD12	14	0.3	0.09	0.3
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD13	14	0.3	0.09	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	14	0.3	0.09	0.3
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	14	0.29	0.05	0.3
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD13	14	0.29	0.05	0.3
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD12	14	0.29	0.05	0.3
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	14	0.27	0.07	0.27
(3,316)	2:240:A:GLN:HB2	2:241:A:ALA:H	14	0.27	0.07	0.27
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	14	0.27	0.14	0.22
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HB2	14	0.27	0.06	0.28
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	14	0.27	0.06	0.28
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	14	0.24	0.05	0.25
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	14	0.21	0.1	0.18
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	14	0.21	0.1	0.18
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD21	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD22	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB2	2:345:A:LEU:HD22	14	0.21	0.09	0.18
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD21	14	0.21	0.09	0.18
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG21	14	0.19	0.05	0.18
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG22	14	0.19	0.05	0.18
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG23	14	0.19	0.05	0.18
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	14	0.18	0.07	0.15
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	14	0.17	0.0	0.17
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	14	0.17	0.02	0.16
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	14	0.17	0.07	0.15
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	14	0.16	0.06	0.16
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	14	0.16	0.03	0.16
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	14	0.16	0.03	0.16
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	14	0.16	0.03	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	14	0.16	0.01	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD22	14	0.16	0.01	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD21	14	0.16	0.01	0.16
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	14	0.16	0.02	0.16
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	14	0.14	0.02	0.14
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	14	0.14	0.03	0.14
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	14	0.13	0.0	0.13
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	14	0.13	0.02	0.13
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	14	0.13	0.02	0.12
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	14	0.13	0.02	0.12
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	14	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	14	0.12	0.02	0.12
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG13	13	0.49	0.67	0.13
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG11	13	0.49	0.67	0.13
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG12	13	0.49	0.67	0.13
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	13	0.42	0.39	0.18
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	13	0.42	0.39	0.18
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	13	0.37	0.04	0.37
(4,3219)	2:285:A:LEU:HD23	2:285:A:LEU:HB2	13	0.37	0.04	0.37
(4,3219)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	13	0.37	0.04	0.37
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	13	0.35	0.04	0.35
(4,366)	2:285:A:LEU:HD23	2:285:A:LEU:HB2	13	0.35	0.04	0.35
(4,366)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	13	0.35	0.04	0.35
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	13	0.29	0.04	0.28
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	13	0.29	0.08	0.34
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	13	0.29	0.03	0.3
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	13	0.28	0.03	0.29
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD12	13	0.26	0.08	0.25
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD13	13	0.26	0.08	0.25
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	13	0.26	0.08	0.25
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	13	0.25	0.05	0.27
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	13	0.25	0.1	0.22
(4,4137)	2:347:A:LEU:HD12	2:347:A:LEU:HA	13	0.25	0.08	0.25
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	13	0.25	0.08	0.25
(4,4137)	2:347:A:LEU:HD11	2:347:A:LEU:HA	13	0.25	0.08	0.25
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	13	0.25	0.08	0.22
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	13	0.24	0.1	0.23
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG22	13	0.24	0.1	0.23
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG23	13	0.24	0.1	0.23
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	13	0.23	0.08	0.21
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	13	0.23	0.05	0.24
(4,3155)	2:289:A:THR:HG21	2:317:A:ARG:HA	13	0.23	0.05	0.24
(4,3155)	2:289:A:THR:HG23	2:317:A:ARG:HA	13	0.23	0.05	0.24
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	13	0.22	0.01	0.22
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	13	0.22	0.05	0.24
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB1	13	0.22	0.05	0.24
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB2	13	0.22	0.05	0.24
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	13	0.21	0.06	0.19
(3,382)	2:270:A:PRO:HG3	2:270:A:PRO:HA	13	0.21	0.06	0.19
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	13	0.2	0.05	0.21
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	13	0.19	0.06	0.18
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	13	0.19	0.06	0.18
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB2	13	0.18	0.03	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB1	13	0.18	0.03	0.19
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB3	13	0.18	0.03	0.19
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG11	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG21	2:259:A:VAL:HG11	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG13	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG13	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG21	2:259:A:VAL:HG13	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG12	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG11	13	0.18	0.05	0.17
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG12	13	0.18	0.05	0.17
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	13	0.17	0.05	0.15
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	13	0.17	0.05	0.15
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	13	0.17	0.05	0.15
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	13	0.17	0.04	0.19
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	13	0.17	0.05	0.14
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	13	0.17	0.05	0.14
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	13	0.17	0.05	0.14
(4,3117)	2:280:A:VAL:HG11	2:295:A:VAL:HA	13	0.16	0.03	0.17
(4,3117)	2:280:A:VAL:HG13	2:295:A:VAL:HA	13	0.16	0.03	0.17
(4,3117)	2:280:A:VAL:HG12	2:295:A:VAL:HA	13	0.16	0.03	0.17
(3,538)	2:297:A:ARG:HG2	2:297:A:ARG:HA	13	0.16	0.04	0.16
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	13	0.16	0.04	0.16
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	13	0.15	0.04	0.14
(3,51)	2:297:A:ARG:HG2	2:297:A:ARG:HA	13	0.14	0.04	0.14
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	13	0.14	0.04	0.14
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG13	13	0.14	0.03	0.13
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	13	0.14	0.03	0.13
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG12	13	0.14	0.03	0.13
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	13	0.13	0.03	0.13
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD21	13	0.13	0.03	0.13
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	13	0.13	0.01	0.13
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG12	13	0.13	0.01	0.13
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG13	13	0.13	0.01	0.13
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	13	0.13	0.02	0.13
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	13	0.13	0.02	0.12
(4,3009)	2:328:A:THR:HG21	2:328:A:THR:HA	13	0.12	0.02	0.11
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	13	0.12	0.02	0.11
(4,3009)	2:328:A:THR:HG23	2:328:A:THR:HA	13	0.12	0.02	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG13	13	0.12	0.01	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG12	13	0.12	0.01	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG11	13	0.12	0.01	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	13	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,571)	2:321:A:MET:HE3	2:321:A:MET:HB2	12	0.91	0.16	0.99
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB3	12	0.91	0.16	0.99
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB2	12	0.91	0.16	0.99
(3,571)	2:321:A:MET:HE3	2:321:A:MET:HB3	12	0.91	0.16	0.99
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB3	12	0.91	0.16	0.99
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB2	12	0.91	0.16	0.99
(3,96)	2:321:A:MET:HE3	2:321:A:MET:HB2	12	0.87	0.16	0.95
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB3	12	0.87	0.16	0.95
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB2	12	0.87	0.16	0.95
(3,96)	2:321:A:MET:HE3	2:321:A:MET:HB3	12	0.87	0.16	0.95
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB3	12	0.87	0.16	0.95
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB2	12	0.87	0.16	0.95
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	12	0.48	0.08	0.5
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD3	12	0.48	0.08	0.5
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	12	0.44	0.08	0.46
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD3	12	0.44	0.08	0.46
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG23	12	0.35	0.15	0.34
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	12	0.35	0.15	0.34
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG21	12	0.35	0.15	0.34
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	12	0.35	0.11	0.32
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	12	0.33	0.11	0.3
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD13	12	0.32	0.15	0.3
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD11	12	0.32	0.15	0.3
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD12	12	0.32	0.15	0.3
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG22	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG23	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG22	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG21	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG21	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD13	2:251:A:THR:HG21	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD13	2:251:A:THR:HG23	12	0.32	0.14	0.3
(4,1962)	2:332:A:LEU:HD13	2:251:A:THR:HG22	12	0.32	0.14	0.3
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	12	0.31	0.11	0.32
(4,3156)	2:289:A:THR:HG23	2:317:A:ARG:HD2	12	0.31	0.11	0.32
(4,3156)	2:289:A:THR:HG21	2:317:A:ARG:HD2	12	0.31	0.11	0.32
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG23	12	0.3	0.14	0.3
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	12	0.3	0.14	0.3
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG21	12	0.3	0.14	0.3
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD13	12	0.3	0.15	0.28
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD11	12	0.3	0.15	0.28
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD12	12	0.3	0.15	0.28
(4,3169)	2:321:A:MET:HE3	2:321:A:MET:HA	12	0.27	0.06	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3169)	2:321:A:MET:HE2	2:321:A:MET:HA	12	0.27	0.06	0.3
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	12	0.27	0.06	0.3
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG3	12	0.27	0.1	0.3
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	12	0.27	0.1	0.3
(4,329)	2:321:A:MET:HE3	2:321:A:MET:HA	12	0.26	0.06	0.29
(4,329)	2:321:A:MET:HE2	2:321:A:MET:HA	12	0.26	0.06	0.29
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	12	0.26	0.06	0.29
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	12	0.24	0.03	0.24
(4,317)	2:289:A:THR:HG21	2:317:A:ARG:HA	12	0.22	0.04	0.23
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	12	0.22	0.04	0.23
(4,317)	2:289:A:THR:HG23	2:317:A:ARG:HA	12	0.22	0.04	0.23
(4,1061)	2:347:A:LEU:HD12	2:347:A:LEU:HA	12	0.22	0.07	0.22
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	12	0.22	0.07	0.22
(4,1061)	2:347:A:LEU:HD11	2:347:A:LEU:HA	12	0.22	0.07	0.22
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	12	0.2	0.11	0.15
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	12	0.2	0.08	0.16
(4,740)	2:272:A:ALA:HB3	2:345:A:LEU:HD21	12	0.2	0.08	0.16
(4,740)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	12	0.2	0.08	0.16
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	12	0.2	0.08	0.16
(4,740)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	12	0.2	0.08	0.16
(4,740)	2:272:A:ALA:HB2	2:345:A:LEU:HD22	12	0.2	0.08	0.16
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD21	12	0.2	0.08	0.16
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	12	0.19	0.07	0.16
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	12	0.19	0.11	0.14
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	12	0.19	0.03	0.2
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	12	0.18	0.05	0.17
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	12	0.18	0.05	0.17
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	12	0.18	0.03	0.18
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	12	0.17	0.07	0.14
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	12	0.16	0.03	0.16
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	12	0.16	0.03	0.16
(3,129)	2:329:A:PHE:HA	2:324:A:LEU:HB2	12	0.16	0.03	0.16
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	12	0.16	0.04	0.16
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	12	0.16	0.04	0.16
(4,1153)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	12	0.16	0.04	0.16
(4,1153)	2:338:A:ILE:HD11	2:338:A:ILE:HG22	12	0.16	0.04	0.16
(4,1153)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	12	0.16	0.04	0.16
(4,1153)	2:338:A:ILE:HD13	2:338:A:ILE:HG21	12	0.16	0.04	0.16
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	12	0.15	0.03	0.14
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	12	0.15	0.06	0.11
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG22	12	0.13	0.02	0.13
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG23	12	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG21	12	0.13	0.02	0.13
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	12	0.13	0.01	0.13
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	12	0.12	0.01	0.12
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	12	0.12	0.01	0.11
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	12	0.11	0.02	0.11
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	11	0.75	0.18	0.73
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	11	0.73	0.18	0.71
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	11	0.68	0.17	0.76
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	11	0.67	0.17	0.75
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	11	0.67	0.15	0.72
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD2	11	0.67	0.15	0.72
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	11	0.64	0.15	0.68
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD2	11	0.64	0.15	0.68
(4,2523)	2:235:A:THR:HG22	2:235:A:THR:H	11	0.48	0.17	0.56
(4,2523)	2:235:A:THR:HG23	2:235:A:THR:H	11	0.48	0.17	0.56
(4,2523)	2:235:A:THR:HG21	2:235:A:THR:H	11	0.48	0.17	0.56
(4,1673)	2:235:A:THR:HG22	2:235:A:THR:H	11	0.47	0.17	0.55
(4,1673)	2:235:A:THR:HG23	2:235:A:THR:H	11	0.47	0.17	0.55
(4,1673)	2:235:A:THR:HG21	2:235:A:THR:H	11	0.47	0.17	0.55
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	11	0.46	0.32	0.69
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	11	0.42	0.19	0.44
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD13	11	0.41	0.2	0.44
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD12	11	0.41	0.2	0.44
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD11	11	0.41	0.2	0.44
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	11	0.37	0.25	0.32
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	11	0.37	0.18	0.44
(4,3484)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	11	0.36	0.26	0.29
(4,3484)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	11	0.36	0.26	0.29
(4,3484)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	11	0.36	0.26	0.29
(3,456)	2:249:A:GLU:H	2:248:A:SER:HB2	11	0.35	0.13	0.36
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	11	0.35	0.13	0.36
(3,215)	2:249:A:GLU:H	2:248:A:SER:HB2	11	0.34	0.13	0.35
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	11	0.34	0.13	0.35
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	11	0.31	0.1	0.31
(4,318)	2:289:A:THR:HG23	2:317:A:ARG:HD2	11	0.31	0.1	0.31
(4,318)	2:289:A:THR:HG21	2:317:A:ARG:HD2	11	0.31	0.1	0.31
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	11	0.29	0.11	0.34
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	11	0.27	0.15	0.18
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	11	0.25	0.03	0.24
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	11	0.25	0.03	0.24
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	11	0.25	0.03	0.24
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	11	0.24	0.19	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	11	0.21	0.05	0.23
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	11	0.21	0.03	0.2
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	11	0.21	0.03	0.2
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	11	0.21	0.03	0.2
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	11	0.2	0.04	0.23
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB3	11	0.2	0.03	0.21
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB1	11	0.2	0.03	0.21
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB2	11	0.2	0.03	0.21
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	11	0.2	0.04	0.23
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	11	0.19	0.07	0.19
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG12	11	0.19	0.08	0.15
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD11	11	0.19	0.08	0.15
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG13	11	0.19	0.08	0.15
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD12	11	0.19	0.08	0.15
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD13	11	0.19	0.08	0.15
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG11	11	0.19	0.08	0.15
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	11	0.16	0.05	0.15
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	11	0.16	0.05	0.15
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	11	0.16	0.05	0.15
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	11	0.16	0.05	0.15
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	11	0.16	0.05	0.15
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	11	0.15	0.02	0.14
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	11	0.15	0.02	0.16
(4,290)	2:280:A:VAL:HG11	2:295:A:VAL:HA	11	0.15	0.02	0.15
(4,290)	2:280:A:VAL:HG12	2:295:A:VAL:HA	11	0.15	0.02	0.15
(4,290)	2:280:A:VAL:HG13	2:295:A:VAL:HA	11	0.15	0.02	0.15
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	11	0.14	0.02	0.14
(4,4353)	2:276:A:MET:HE2	2:301:A:ASP:HB2	11	0.14	0.03	0.12
(4,4353)	2:276:A:MET:HE1	2:301:A:ASP:HB2	11	0.14	0.03	0.12
(4,4353)	2:276:A:MET:HE3	2:301:A:ASP:HB2	11	0.14	0.03	0.12
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD12	11	0.13	0.01	0.13
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	11	0.13	0.01	0.13
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	11	0.12	0.02	0.12
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	11	0.12	0.01	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	11	0.12	0.01	0.12
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	10	1.53	0.06	1.54
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	10	0.72	0.21	0.7
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	10	0.71	0.21	0.69
(3,122)	2:320:A:GLU:HA	2:257:A:LEU:HD12	10	0.64	0.31	0.58
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD11	10	0.64	0.31	0.58
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD13	10	0.64	0.31	0.58
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD12	10	0.64	0.31	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	10	0.48	0.24	0.65
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	10	0.45	0.65	0.14
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	10	0.44	0.08	0.46
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	10	0.44	0.17	0.43
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	10	0.42	0.05	0.41
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	10	0.42	0.08	0.44
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	10	0.41	0.05	0.4
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	10	0.38	0.24	0.34
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	10	0.37	0.17	0.42
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	10	0.36	0.34	0.16
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	10	0.34	0.08	0.36
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	10	0.34	0.09	0.34
(3,460)	2:245:A:GLU:HG3	2:246:A:VAL:H	10	0.34	0.09	0.34
(4,553)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	10	0.34	0.26	0.26
(4,553)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	10	0.34	0.26	0.26
(4,553)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	10	0.34	0.26	0.26
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	10	0.34	0.08	0.34
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	10	0.33	0.09	0.32
(3,227)	2:245:A:GLU:HG3	2:246:A:VAL:H	10	0.33	0.09	0.32
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	10	0.3	0.1	0.34
(4,3172)	2:321:A:MET:HE2	2:288:A:GLY:HA2	10	0.26	0.05	0.26
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	10	0.26	0.05	0.26
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	10	0.26	0.1	0.24
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	10	0.25	0.15	0.2
(4,331)	2:321:A:MET:HE2	2:288:A:GLY:HA2	10	0.24	0.05	0.24
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	10	0.24	0.05	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	10	0.24	0.0	0.24
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD13	10	0.23	0.07	0.22
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD12	10	0.23	0.07	0.22
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	10	0.23	0.07	0.22
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG3	10	0.22	0.08	0.26
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG2	10	0.22	0.08	0.26
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	10	0.22	0.0	0.22
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE2	10	0.21	0.06	0.19
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	10	0.21	0.06	0.19
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE1	10	0.21	0.06	0.19
(4,3858)	2:321:A:MET:HE2	2:288:A:GLY:HA2	10	0.21	0.05	0.2
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	10	0.21	0.05	0.2
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	10	0.19	0.04	0.2
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE2	10	0.18	0.06	0.16
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	10	0.18	0.06	0.16
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE1	10	0.18	0.06	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	10	0.18	0.05	0.17
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD3	10	0.18	0.05	0.17
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	10	0.18	0.03	0.18
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	10	0.17	0.03	0.16
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	10	0.17	0.03	0.18
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD12	10	0.17	0.03	0.18
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	10	0.17	0.03	0.18
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	10	0.16	0.07	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	10	0.15	0.01	0.15
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	10	0.15	0.03	0.16
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD12	10	0.15	0.03	0.16
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	10	0.15	0.03	0.16
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	10	0.15	0.06	0.13
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG21	10	0.15	0.03	0.15
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	10	0.15	0.03	0.15
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG22	10	0.15	0.03	0.15
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	10	0.15	0.03	0.15
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	10	0.15	0.02	0.14
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	10	0.15	0.02	0.14
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	10	0.15	0.02	0.14
(4,4064)	1:6:B:ILE:HG22	2:259:A:VAL:HG11	10	0.15	0.04	0.13
(4,4064)	1:6:B:ILE:HG23	2:259:A:VAL:HG13	10	0.15	0.04	0.13
(4,4064)	1:6:B:ILE:HG22	2:259:A:VAL:HG13	10	0.15	0.04	0.13
(4,4064)	1:6:B:ILE:HG21	2:259:A:VAL:HG13	10	0.15	0.04	0.13
(4,4064)	1:6:B:ILE:HG23	2:259:A:VAL:HG12	10	0.15	0.04	0.13
(4,4064)	1:6:B:ILE:HG23	2:259:A:VAL:HG11	10	0.15	0.04	0.13
(4,4064)	1:6:B:ILE:HG21	2:259:A:VAL:HG11	10	0.15	0.04	0.13
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	10	0.14	0.02	0.12
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	10	0.14	0.02	0.12
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	10	0.14	0.02	0.12
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	10	0.13	0.02	0.13
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	10	0.12	0.02	0.12
(4,3766)	2:259:A:VAL:HG11	2:259:A:VAL:HA	10	0.11	0.01	0.11
(4,3766)	2:259:A:VAL:HG13	2:259:A:VAL:HA	10	0.11	0.01	0.11
(4,3766)	2:259:A:VAL:HG12	2:259:A:VAL:HA	10	0.11	0.01	0.11
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG21	9	0.96	0.01	0.96
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG23	9	0.96	0.01	0.96
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG22	9	0.96	0.01	0.96
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG21	9	0.95	0.01	0.95
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG23	9	0.95	0.01	0.95
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG22	9	0.95	0.01	0.95
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	9	0.8	0.38	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	9	0.61	0.2	0.57
(3,401)	2:320:A:GLU:HA	2:257:A:LEU:HD12	9	0.6	0.28	0.53
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD11	9	0.6	0.28	0.53
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD13	9	0.6	0.28	0.53
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD12	9	0.6	0.28	0.53
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	9	0.55	0.19	0.52
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	9	0.55	0.38	0.52
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	9	0.49	0.21	0.63
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	9	0.48	0.64	0.15
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD13	9	0.46	0.15	0.48
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD12	9	0.46	0.15	0.48
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD11	9	0.46	0.15	0.48
(4,3334)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	9	0.44	0.14	0.42
(4,3334)	1:1:B:ALA:HB2	2:336:A:ARG:HD3	9	0.44	0.14	0.42
(4,3334)	1:1:B:ALA:HB3	2:336:A:ARG:HD3	9	0.44	0.14	0.42
(3,471)	2:238:A:ARG:HG3	2:238:A:ARG:H	9	0.43	0.09	0.43
(3,471)	2:238:A:ARG:HG2	2:238:A:ARG:H	9	0.43	0.09	0.43
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	9	0.43	0.3	0.39
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG21	9	0.43	0.3	0.39
(3,532)	2:246:A:VAL:HG13	2:247:A:GLY:HA2	9	0.43	0.3	0.39
(3,532)	2:246:A:VAL:HG23	2:247:A:GLY:HA2	9	0.43	0.3	0.39
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG23	9	0.43	0.3	0.39
(3,532)	2:246:A:VAL:HG22	2:247:A:GLY:HA2	9	0.43	0.3	0.39
(3,532)	2:246:A:VAL:HG11	2:247:A:GLY:HA2	9	0.43	0.3	0.39
(3,242)	2:238:A:ARG:HG3	2:238:A:ARG:H	9	0.42	0.09	0.42
(3,242)	2:238:A:ARG:HG2	2:238:A:ARG:H	9	0.42	0.09	0.42
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	9	0.39	0.21	0.46
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	9	0.34	0.2	0.27
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	9	0.34	0.09	0.35
(3,591)	2:343:A:GLU:HG3	2:344:A:ASP:H	9	0.34	0.09	0.35
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	9	0.32	0.2	0.26
(4,2232)	2:250:A:VAL:HG23	2:251:A:THR:H	9	0.32	0.14	0.29
(4,2232)	2:250:A:VAL:HG22	2:251:A:THR:H	9	0.32	0.14	0.29
(4,2232)	2:250:A:VAL:HG21	2:251:A:THR:H	9	0.32	0.14	0.29
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	9	0.31	0.38	0.12
(4,1452)	2:250:A:VAL:HG23	2:251:A:THR:H	9	0.31	0.14	0.28
(4,1452)	2:250:A:VAL:HG22	2:251:A:THR:H	9	0.31	0.14	0.28
(4,1452)	2:250:A:VAL:HG21	2:251:A:THR:H	9	0.31	0.14	0.28
(4,4173)	2:284:A:MET:HE1	2:321:A:MET:HG2	9	0.31	0.1	0.28
(4,4173)	2:284:A:MET:HE3	2:321:A:MET:HG2	9	0.31	0.1	0.28
(4,4173)	2:284:A:MET:HE2	2:321:A:MET:HG2	9	0.31	0.1	0.28
(3,472)	2:238:A:ARG:HB2	2:239:A:GLN:H	9	0.3	0.13	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,472)	2:239:A:GLN:H	2:238:A:ARG:HB3	9	0.3	0.13	0.3
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	9	0.29	0.02	0.28
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	9	0.29	0.02	0.28
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	9	0.29	0.02	0.28
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	9	0.29	0.02	0.29
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE1	9	0.27	0.09	0.24
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE2	9	0.27	0.09	0.24
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE3	9	0.27	0.09	0.24
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	9	0.27	0.08	0.28
(4,4242)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	9	0.27	0.08	0.28
(4,4242)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	9	0.27	0.08	0.28
(4,1090)	2:284:A:MET:HE1	2:321:A:MET:HG2	9	0.27	0.1	0.24
(4,1090)	2:284:A:MET:HE3	2:321:A:MET:HG2	9	0.27	0.1	0.24
(4,1090)	2:284:A:MET:HE2	2:321:A:MET:HG2	9	0.27	0.1	0.24
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	9	0.26	0.11	0.24
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	9	0.26	0.19	0.2
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD22	9	0.26	0.15	0.25
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD21	9	0.26	0.15	0.25
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD23	9	0.26	0.15	0.25
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	9	0.25	0.09	0.25
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	9	0.24	0.1	0.21
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	9	0.24	0.03	0.23
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE1	9	0.23	0.09	0.2
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE2	9	0.23	0.09	0.2
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE3	9	0.23	0.09	0.2
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	9	0.23	0.08	0.24
(4,3325)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	9	0.23	0.08	0.24
(4,3325)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	9	0.23	0.08	0.24
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	9	0.22	0.02	0.21
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	9	0.22	0.02	0.21
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	9	0.22	0.02	0.21
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	9	0.22	0.08	0.23
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD22	9	0.22	0.08	0.23
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD23	9	0.22	0.08	0.23
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB1	9	0.22	0.04	0.23
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB2	9	0.22	0.04	0.23
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB3	9	0.22	0.04	0.23
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	9	0.22	0.02	0.22
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB1	9	0.21	0.04	0.22
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB2	9	0.21	0.04	0.22
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB3	9	0.21	0.04	0.22
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	9	0.21	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	9	0.21	0.02	0.21
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	9	0.2	0.05	0.19
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	9	0.2	0.03	0.21
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	9	0.19	0.02	0.19
(4,4343)	2:321:A:MET:HE3	2:321:A:MET:HA	9	0.17	0.03	0.19
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	9	0.17	0.03	0.19
(4,4343)	2:321:A:MET:HE2	2:321:A:MET:HA	9	0.17	0.03	0.19
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	9	0.17	0.02	0.17
(3,516)	2:238:A:ARG:HA	2:238:A:ARG:HG2	9	0.15	0.05	0.13
(3,516)	2:238:A:ARG:HG3	2:238:A:ARG:HA	9	0.15	0.05	0.13
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	9	0.15	0.02	0.14
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	9	0.14	0.01	0.14
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE1	9	0.14	0.03	0.15
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE2	9	0.14	0.03	0.15
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE3	9	0.14	0.03	0.15
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG21	9	0.14	0.03	0.14
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG23	9	0.14	0.03	0.14
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG22	9	0.14	0.03	0.14
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	9	0.13	0.02	0.13
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	9	0.12	0.02	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	9	0.11	0.01	0.11
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	8	0.86	0.02	0.86
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	8	0.85	0.02	0.84
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	8	0.72	0.4	0.88
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	8	0.71	0.41	0.86
(4,4175)	2:284:A:MET:HE1	2:318:A:ILE:HG12	8	0.68	0.29	0.84
(4,4175)	2:284:A:MET:HE2	2:318:A:ILE:HG12	8	0.68	0.29	0.84
(4,4175)	2:284:A:MET:HE3	2:318:A:ILE:HG12	8	0.68	0.29	0.84
(4,1092)	2:284:A:MET:HE1	2:318:A:ILE:HG12	8	0.65	0.29	0.81
(4,1092)	2:284:A:MET:HE2	2:318:A:ILE:HG12	8	0.65	0.29	0.81
(4,1092)	2:284:A:MET:HE3	2:318:A:ILE:HG12	8	0.65	0.29	0.81
(4,3167)	2:321:A:MET:HE2	2:321:A:MET:HG2	8	0.64	0.02	0.64
(4,3167)	2:321:A:MET:HE3	2:321:A:MET:HG2	8	0.64	0.02	0.64
(4,3167)	2:321:A:MET:HE1	2:321:A:MET:HG2	8	0.64	0.02	0.64
(4,327)	2:321:A:MET:HE2	2:321:A:MET:HG2	8	0.63	0.02	0.62
(4,327)	2:321:A:MET:HE3	2:321:A:MET:HG2	8	0.63	0.02	0.62
(4,327)	2:321:A:MET:HE1	2:321:A:MET:HG2	8	0.63	0.02	0.62
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	8	0.58	0.08	0.6
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	8	0.58	0.21	0.68
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	8	0.57	0.21	0.66
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	8	0.54	0.43	0.36
(3,484)	2:231:A:LEU:HD11	2:231:A:LEU:H	8	0.54	0.3	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,484)	2:231:A:LEU:HD13	2:231:A:LEU:H	8	0.54	0.3	0.58
(3,484)	2:231:A:LEU:HD23	2:231:A:LEU:H	8	0.54	0.3	0.58
(3,484)	2:231:A:LEU:HD12	2:231:A:LEU:H	8	0.54	0.3	0.58
(3,484)	2:231:A:LEU:HD21	2:231:A:LEU:H	8	0.54	0.3	0.58
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	8	0.53	0.08	0.55
(3,272)	2:231:A:LEU:HD11	2:231:A:LEU:H	8	0.53	0.3	0.56
(3,272)	2:231:A:LEU:HD13	2:231:A:LEU:H	8	0.53	0.3	0.56
(3,272)	2:231:A:LEU:HD23	2:231:A:LEU:H	8	0.53	0.3	0.56
(3,272)	2:231:A:LEU:HD12	2:231:A:LEU:H	8	0.53	0.3	0.56
(3,272)	2:231:A:LEU:HD21	2:231:A:LEU:H	8	0.53	0.3	0.56
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	8	0.52	0.43	0.34
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	8	0.45	0.3	0.38
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG21	8	0.45	0.3	0.38
(3,44)	2:246:A:VAL:HG13	2:247:A:GLY:HA2	8	0.45	0.3	0.38
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG23	8	0.45	0.3	0.38
(3,44)	2:246:A:VAL:HG22	2:247:A:GLY:HA2	8	0.45	0.3	0.38
(3,44)	2:246:A:VAL:HG11	2:247:A:GLY:HA2	8	0.45	0.3	0.38
(3,454)	2:237:A:GLU:HG2	2:237:A:GLU:H	8	0.45	0.12	0.38
(3,454)	2:237:A:GLU:HG3	2:237:A:GLU:H	8	0.45	0.12	0.38
(3,213)	2:237:A:GLU:HG2	2:237:A:GLU:H	8	0.44	0.12	0.37
(3,213)	2:237:A:GLU:HG3	2:237:A:GLU:H	8	0.44	0.12	0.37
(4,3559)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	8	0.37	0.08	0.4
(4,3559)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	8	0.37	0.08	0.4
(4,3559)	2:281:A:LEU:HD13	2:335:A:GLN:HG2	8	0.37	0.08	0.4
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	8	0.35	0.03	0.37
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	8	0.34	0.03	0.36
(4,604)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	8	0.34	0.08	0.36
(4,604)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	8	0.34	0.08	0.36
(4,604)	2:281:A:LEU:HD13	2:335:A:GLN:HG2	8	0.34	0.08	0.36
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	8	0.32	0.05	0.31
(3,139)	2:343:A:GLU:HG3	2:344:A:ASP:H	8	0.32	0.05	0.31
(3,243)	2:238:A:ARG:HB2	2:239:A:GLN:H	8	0.32	0.12	0.3
(3,243)	2:239:A:GLN:H	2:238:A:ARG:HB3	8	0.32	0.12	0.3
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG23	8	0.29	0.11	0.3
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	8	0.29	0.11	0.3
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD21	8	0.24	0.15	0.22
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD23	8	0.24	0.15	0.22
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD22	8	0.24	0.15	0.22
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	8	0.24	0.1	0.28
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	8	0.23	0.07	0.24
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	8	0.23	0.07	0.24
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	8	0.23	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD13	8	0.2	0.07	0.19
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	8	0.2	0.07	0.19
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG12	8	0.19	0.09	0.16
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG13	8	0.19	0.09	0.16
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG11	8	0.19	0.09	0.16
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	8	0.18	0.03	0.18
(3,557)	2:343:A:GLU:HG3	2:343:A:GLU:H	8	0.18	0.03	0.18
(4,3179)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	8	0.17	0.03	0.16
(4,3179)	2:295:A:VAL:HG23	2:305:A:ASP:HB2	8	0.17	0.03	0.16
(4,3179)	2:295:A:VAL:HG22	2:305:A:ASP:HB2	8	0.17	0.03	0.16
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	8	0.17	0.03	0.17
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	8	0.16	0.08	0.11
(4,337)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	8	0.15	0.03	0.14
(4,337)	2:295:A:VAL:HG23	2:305:A:ASP:HB2	8	0.15	0.03	0.14
(4,337)	2:295:A:VAL:HG22	2:305:A:ASP:HB2	8	0.15	0.03	0.14
(4,3758)	2:259:A:VAL:HG22	2:259:A:VAL:H	8	0.15	0.03	0.15
(4,3758)	2:259:A:VAL:HG21	2:259:A:VAL:H	8	0.15	0.03	0.15
(4,3758)	2:259:A:VAL:HG23	2:259:A:VAL:H	8	0.15	0.03	0.15
(4,2606)	2:272:A:ALA:HB3	2:271:A:SER:H	8	0.15	0.05	0.14
(4,2606)	2:272:A:ALA:HB1	2:271:A:SER:H	8	0.15	0.05	0.14
(4,2606)	2:272:A:ALA:HB2	2:271:A:SER:H	8	0.15	0.05	0.14
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	8	0.13	0.02	0.13
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	8	0.12	0.02	0.12
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	8	0.11	0.01	0.11
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	8	0.11	0.01	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	8	0.11	0.0	0.11
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	8	0.11	0.02	0.1
(4,2921)	2:347:A:LEU:HD12	2:346:A:SER:HB3	7	0.8	0.82	0.42
(4,2921)	2:347:A:LEU:HD11	2:346:A:SER:HB3	7	0.8	0.82	0.42
(4,2921)	2:347:A:LEU:HD13	2:346:A:SER:HB3	7	0.8	0.82	0.42
(4,122)	2:347:A:LEU:HD12	2:346:A:SER:HB3	7	0.79	0.83	0.41
(4,122)	2:347:A:LEU:HD11	2:346:A:SER:HB3	7	0.79	0.83	0.41
(4,122)	2:347:A:LEU:HD13	2:346:A:SER:HB3	7	0.79	0.83	0.41
(3,49)	2:250:A:VAL:HB	2:332:A:LEU:HD23	7	0.73	0.26	0.8
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	7	0.73	0.26	0.8
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	7	0.73	0.26	0.8
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	7	0.73	0.26	0.8
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	7	0.7	0.07	0.73
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	7	0.69	0.07	0.72
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	7	0.6	0.37	0.75
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	7	0.6	0.37	0.75
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	7	0.54	0.23	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	7	0.51	0.23	0.58
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	7	0.46	0.16	0.54
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	7	0.44	0.36	0.17
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	7	0.44	0.19	0.48
(4,3318)	2:285:A:LEU:HD22	2:285:A:LEU:HA	7	0.43	0.23	0.29
(4,3318)	2:285:A:LEU:HD21	2:285:A:LEU:HA	7	0.43	0.23	0.29
(4,3318)	2:285:A:LEU:HD23	2:285:A:LEU:HA	7	0.43	0.23	0.29
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	7	0.42	0.19	0.46
(4,430)	2:285:A:LEU:HD22	2:285:A:LEU:HA	7	0.41	0.23	0.28
(4,430)	2:285:A:LEU:HD21	2:285:A:LEU:HA	7	0.41	0.23	0.28
(4,430)	2:285:A:LEU:HD23	2:285:A:LEU:HA	7	0.41	0.23	0.28
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE1	7	0.41	0.09	0.41
(4,3241)	2:258:A:ILE:HD13	2:321:A:MET:HE1	7	0.41	0.09	0.41
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE3	7	0.41	0.09	0.41
(4,3241)	2:258:A:ILE:HD13	2:321:A:MET:HE2	7	0.41	0.09	0.41
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE2	7	0.41	0.09	0.41
(4,3241)	2:258:A:ILE:HD12	2:321:A:MET:HE2	7	0.41	0.09	0.41
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE3	7	0.4	0.14	0.43
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE1	7	0.4	0.14	0.43
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE2	7	0.4	0.14	0.43
(4,2396)	2:236:A:THR:HG22	2:237:A:GLU:H	7	0.4	0.11	0.42
(4,2396)	2:236:A:THR:HG21	2:237:A:GLU:H	7	0.4	0.11	0.42
(4,2396)	2:236:A:THR:HG23	2:237:A:GLU:H	7	0.4	0.11	0.42
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE1	7	0.4	0.09	0.4
(4,382)	2:258:A:ILE:HD13	2:321:A:MET:HE1	7	0.4	0.09	0.4
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE3	7	0.4	0.09	0.4
(4,382)	2:258:A:ILE:HD13	2:321:A:MET:HE2	7	0.4	0.09	0.4
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE2	7	0.4	0.09	0.4
(4,382)	2:258:A:ILE:HD12	2:321:A:MET:HE2	7	0.4	0.09	0.4
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	7	0.39	0.06	0.4
(4,1572)	2:236:A:THR:HG22	2:237:A:GLU:H	7	0.39	0.11	0.41
(4,1572)	2:236:A:THR:HG21	2:237:A:GLU:H	7	0.39	0.11	0.41
(4,1572)	2:236:A:THR:HG23	2:237:A:GLU:H	7	0.39	0.11	0.41
(4,2417)	2:229:A:ALA:HB1	2:230:A:GLU:H	7	0.34	0.19	0.23
(4,2417)	2:229:A:ALA:HB2	2:230:A:GLU:H	7	0.34	0.19	0.23
(4,2417)	2:229:A:ALA:HB3	2:230:A:GLU:H	7	0.34	0.19	0.23
(4,1589)	2:229:A:ALA:HB1	2:230:A:GLU:H	7	0.33	0.19	0.22
(4,1589)	2:229:A:ALA:HB2	2:230:A:GLU:H	7	0.33	0.19	0.22
(4,1589)	2:229:A:ALA:HB3	2:230:A:GLU:H	7	0.33	0.19	0.22
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE3	7	0.31	0.14	0.34
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE1	7	0.31	0.14	0.34
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE2	7	0.31	0.14	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,4138)	2:285:A:LEU:HD22	2:285:A:LEU:HA	7	0.31	0.23	0.17
(4,4138)	2:285:A:LEU:HD21	2:285:A:LEU:HA	7	0.31	0.23	0.17
(4,4138)	2:285:A:LEU:HD23	2:285:A:LEU:HA	7	0.31	0.23	0.17
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	7	0.3	0.04	0.31
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	7	0.27	0.08	0.27
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE3	7	0.27	0.07	0.25
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE2	7	0.27	0.07	0.25
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE1	7	0.27	0.07	0.25
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG22	7	0.25	0.16	0.22
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG23	7	0.25	0.16	0.22
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG21	7	0.25	0.16	0.22
(4,3333)	1:1:B:ALA:HB2	2:336:A:ARG:HD2	7	0.25	0.12	0.17
(4,3333)	1:1:B:ALA:HB1	2:336:A:ARG:HD2	7	0.25	0.12	0.17
(4,3333)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	7	0.25	0.12	0.17
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG11	7	0.25	0.05	0.25
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG13	7	0.25	0.05	0.25
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG12	7	0.25	0.05	0.25
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE3	7	0.25	0.07	0.23
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE2	7	0.25	0.07	0.23
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE1	7	0.25	0.07	0.23
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG3	7	0.22	0.03	0.22
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG2	7	0.22	0.03	0.22
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG3	7	0.21	0.03	0.21
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG2	7	0.21	0.03	0.21
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG11	7	0.21	0.04	0.21
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG13	7	0.21	0.04	0.21
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG12	7	0.21	0.04	0.21
(4,2445)	2:315:A:VAL:HG11	2:262:A:VAL:H	7	0.19	0.05	0.21
(4,2445)	2:315:A:VAL:HG12	2:262:A:VAL:H	7	0.19	0.05	0.21
(4,2445)	2:315:A:VAL:HG13	2:262:A:VAL:H	7	0.19	0.05	0.21
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	7	0.19	0.08	0.14
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	7	0.18	0.02	0.19
(4,1609)	2:315:A:VAL:HG11	2:262:A:VAL:H	7	0.18	0.05	0.2
(4,1609)	2:315:A:VAL:HG12	2:262:A:VAL:H	7	0.18	0.05	0.2
(4,1609)	2:315:A:VAL:HG13	2:262:A:VAL:H	7	0.18	0.05	0.2
(3,441)	2:276:A:MET:H	2:276:A:MET:HG3	7	0.18	0.03	0.18
(3,441)	2:276:A:MET:HG2	2:276:A:MET:H	7	0.18	0.03	0.18
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	7	0.17	0.08	0.13
(3,182)	2:276:A:MET:H	2:276:A:MET:HG3	7	0.17	0.03	0.17
(3,182)	2:276:A:MET:HG2	2:276:A:MET:H	7	0.17	0.03	0.17
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	7	0.15	0.02	0.15
(4,3168)	2:321:A:MET:HE2	2:321:A:MET:HG3	7	0.15	0.05	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3168)	2:321:A:MET:HE3	2:321:A:MET:HG3	7	0.15	0.05	0.13
(4,3168)	2:321:A:MET:HE1	2:321:A:MET:HG3	7	0.15	0.05	0.13
(3,72)	2:343:A:GLU:HG2	2:343:A:GLU:H	7	0.15	0.02	0.15
(3,72)	2:343:A:GLU:HG3	2:343:A:GLU:H	7	0.15	0.02	0.15
(3,28)	2:238:A:ARG:HA	2:238:A:ARG:HG2	7	0.14	0.05	0.12
(3,28)	2:238:A:ARG:HG3	2:238:A:ARG:HA	7	0.14	0.05	0.12
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	7	0.14	0.03	0.13
(4,2013)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	7	0.13	0.02	0.13
(4,2013)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	7	0.13	0.02	0.13
(4,2013)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	7	0.13	0.02	0.13
(4,2013)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	7	0.13	0.02	0.13
(4,1223)	2:276:A:MET:HE1	2:301:A:ASP:HB2	7	0.13	0.03	0.12
(4,1223)	2:276:A:MET:HE3	2:301:A:ASP:HB2	7	0.13	0.03	0.12
(4,1223)	2:276:A:MET:HE2	2:301:A:ASP:HB2	7	0.13	0.03	0.12
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	7	0.12	0.01	0.12
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	7	0.12	0.02	0.11
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG11	7	0.11	0.01	0.11
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG12	7	0.11	0.01	0.11
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG13	7	0.11	0.01	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG13	7	0.11	0.01	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG12	7	0.11	0.01	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG11	7	0.11	0.01	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD22	7	0.11	0.0	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD21	7	0.11	0.0	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD23	7	0.11	0.0	0.11
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	6	1.24	0.48	1.41
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	6	1.16	0.51	1.24
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	6	1.14	0.51	1.22
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	6	0.93	0.12	0.98
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	6	0.92	0.12	0.97
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	6	0.84	0.12	0.89
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	6	0.73	0.08	0.72
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	6	0.73	0.08	0.72
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	6	0.73	0.08	0.72
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	6	0.66	0.14	0.74
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD11	6	0.66	0.14	0.74
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD12	6	0.66	0.14	0.74
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	6	0.64	0.14	0.74
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD11	6	0.64	0.14	0.74
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD12	6	0.64	0.14	0.74
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	6	0.59	0.01	0.6
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	6	0.58	0.01	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	6	0.57	0.06	0.55
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	6	0.51	0.01	0.5
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	6	0.5	0.09	0.48
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	6	0.5	0.09	0.48
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	6	0.49	0.01	0.48
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	6	0.48	0.06	0.46
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	6	0.47	0.19	0.5
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	6	0.46	0.09	0.44
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	6	0.46	0.09	0.44
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG22	6	0.46	0.17	0.51
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG23	6	0.46	0.17	0.51
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG21	6	0.46	0.17	0.51
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	6	0.45	0.19	0.47
(4,3892)	2:295:A:VAL:HG21	2:305:A:ASP:HB3	6	0.43	0.01	0.43
(4,3892)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	6	0.43	0.01	0.43
(4,3892)	2:295:A:VAL:HG23	2:305:A:ASP:HB3	6	0.43	0.01	0.43
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG22	6	0.43	0.17	0.48
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG23	6	0.43	0.17	0.48
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG21	6	0.43	0.17	0.48
(3,60)	2:347:A:LEU:HB3	2:347:A:LEU:HA	6	0.42	0.04	0.4
(3,60)	2:347:A:LEU:HA	2:347:A:LEU:HB2	6	0.42	0.04	0.4
(4,865)	2:295:A:VAL:HG21	2:305:A:ASP:HB3	6	0.4	0.01	0.4
(4,865)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	6	0.4	0.01	0.4
(4,865)	2:295:A:VAL:HG23	2:305:A:ASP:HB3	6	0.4	0.01	0.4
(4,2762)	2:250:A:VAL:HG21	2:250:A:VAL:H	6	0.38	0.15	0.39
(4,2762)	2:250:A:VAL:HG23	2:250:A:VAL:H	6	0.38	0.15	0.39
(4,2762)	2:250:A:VAL:HG22	2:250:A:VAL:H	6	0.38	0.15	0.39
(4,1871)	2:250:A:VAL:HG21	2:250:A:VAL:H	6	0.38	0.15	0.38
(4,1871)	2:250:A:VAL:HG23	2:250:A:VAL:H	6	0.38	0.15	0.38
(4,1871)	2:250:A:VAL:HG22	2:250:A:VAL:H	6	0.38	0.15	0.38
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	6	0.37	0.05	0.4
(3,362)	2:347:A:LEU:HB3	2:347:A:LEU:HA	6	0.37	0.04	0.36
(3,362)	2:347:A:LEU:HA	2:347:A:LEU:HB2	6	0.37	0.04	0.36
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	6	0.35	0.09	0.32
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	6	0.35	0.09	0.32
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	6	0.34	0.01	0.34
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	6	0.33	0.05	0.36
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	6	0.33	0.01	0.33
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB3	6	0.28	0.08	0.3
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB1	6	0.28	0.08	0.3
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB3	6	0.27	0.08	0.29
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB1	6	0.27	0.08	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD13	6	0.25	0.07	0.26
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD12	6	0.25	0.07	0.26
(4,3560)	2:281:A:LEU:HD11	2:335:A:GLN:HA	6	0.25	0.09	0.24
(4,3560)	2:281:A:LEU:HD13	2:335:A:GLN:HA	6	0.25	0.09	0.24
(4,3560)	2:281:A:LEU:HD12	2:335:A:GLN:HA	6	0.25	0.09	0.24
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	6	0.24	0.02	0.24
(4,2390)	2:243:A:ALA:HB1	2:243:A:ALA:H	6	0.23	0.1	0.22
(4,2390)	2:243:A:ALA:HB2	2:243:A:ALA:H	6	0.23	0.1	0.22
(4,2390)	2:243:A:ALA:HB3	2:243:A:ALA:H	6	0.23	0.1	0.22
(3,465)	2:235:A:THR:H	2:233:A:SER:HB2	6	0.23	0.05	0.23
(3,465)	2:233:A:SER:HB3	2:235:A:THR:H	6	0.23	0.05	0.23
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	6	0.23	0.02	0.23
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	6	0.22	0.08	0.22
(4,3290)	2:272:A:ALA:HB2	2:304:A:PHE:HA	6	0.22	0.05	0.23
(4,3290)	2:272:A:ALA:HB3	2:304:A:PHE:HA	6	0.22	0.05	0.23
(4,3290)	2:272:A:ALA:HB1	2:304:A:PHE:HA	6	0.22	0.05	0.23
(3,232)	2:235:A:THR:H	2:233:A:SER:HB2	6	0.22	0.05	0.22
(3,232)	2:233:A:SER:HB3	2:235:A:THR:H	6	0.22	0.05	0.22
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG3	6	0.21	0.04	0.2
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG2	6	0.21	0.04	0.2
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	6	0.21	0.02	0.21
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	6	0.2	0.03	0.21
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	6	0.2	0.02	0.2
(4,2392)	2:241:A:ALA:HB2	2:241:A:ALA:H	6	0.2	0.06	0.24
(4,2392)	2:241:A:ALA:HB3	2:241:A:ALA:H	6	0.2	0.06	0.24
(4,2392)	2:241:A:ALA:HB1	2:241:A:ALA:H	6	0.2	0.06	0.24
(4,3285)	2:284:A:MET:HE1	2:321:A:MET:HG2	6	0.2	0.07	0.22
(4,3285)	2:284:A:MET:HE3	2:321:A:MET:HG2	6	0.2	0.07	0.22
(4,3285)	2:284:A:MET:HE2	2:321:A:MET:HG2	6	0.2	0.07	0.22
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD21	6	0.2	0.05	0.18
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD22	6	0.2	0.05	0.18
(4,3324)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	6	0.2	0.07	0.2
(4,3324)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	6	0.2	0.07	0.2
(4,3324)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	6	0.2	0.07	0.2
(4,3324)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	6	0.2	0.07	0.2
(4,1568)	2:241:A:ALA:HB2	2:241:A:ALA:H	6	0.19	0.06	0.22
(4,1568)	2:241:A:ALA:HB3	2:241:A:ALA:H	6	0.19	0.06	0.22
(4,1568)	2:241:A:ALA:HB1	2:241:A:ALA:H	6	0.19	0.06	0.22
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	6	0.19	0.02	0.2
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG12	6	0.18	0.05	0.18
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG13	6	0.18	0.05	0.18
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG11	6	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	6	0.17	0.02	0.17
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	6	0.17	0.03	0.17
(4,3578)	2:332:A:LEU:HD13	2:332:A:LEU:H	6	0.16	0.08	0.12
(4,3578)	2:332:A:LEU:HD12	2:332:A:LEU:H	6	0.16	0.08	0.12
(4,3578)	2:332:A:LEU:HD11	2:332:A:LEU:H	6	0.16	0.08	0.12
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	6	0.15	0.02	0.16
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	6	0.15	0.02	0.15
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE1	6	0.14	0.02	0.14
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE2	6	0.14	0.02	0.14
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE3	6	0.14	0.02	0.14
(4,755)	2:259:A:VAL:HG22	2:259:A:VAL:H	6	0.14	0.02	0.14
(4,755)	2:259:A:VAL:HG21	2:259:A:VAL:H	6	0.14	0.02	0.14
(4,755)	2:259:A:VAL:HG23	2:259:A:VAL:H	6	0.14	0.02	0.14
(3,167)	2:280:A:VAL:HG12	2:281:A:LEU:H	6	0.14	0.03	0.13
(3,167)	2:280:A:VAL:HG13	2:281:A:LEU:H	6	0.14	0.03	0.13
(3,167)	2:280:A:VAL:HG11	2:281:A:LEU:H	6	0.14	0.03	0.13
(4,1959)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	6	0.13	0.02	0.12
(4,1959)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	6	0.13	0.02	0.12
(4,1959)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	6	0.13	0.02	0.12
(4,1959)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	6	0.13	0.02	0.12
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	6	0.13	0.01	0.14
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	6	0.13	0.02	0.12
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	6	0.12	0.03	0.11
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	6	0.12	0.01	0.12
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB1	6	0.12	0.02	0.12
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB2	6	0.12	0.02	0.12
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB3	6	0.12	0.02	0.12
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	6	0.12	0.01	0.12
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	6	0.11	0.01	0.11
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	6	0.11	0.01	0.12
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	6	0.11	0.01	0.11
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	6	0.11	0.0	0.11
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	6	0.1	0.0	0.11
(4,3157)	2:299:A:SER:HB3	2:276:A:MET:HG3	5	1.62	0.28	1.76
(4,319)	2:299:A:SER:HB3	2:276:A:MET:HG3	5	1.6	0.28	1.74
(4,2936)	2:284:A:MET:HA	2:285:A:LEU:HB2	5	1.56	0.03	1.58
(4,2630)	2:287:A:ASP:H	2:285:A:LEU:HB3	5	1.16	0.12	1.1
(4,1759)	2:287:A:ASP:H	2:285:A:LEU:HB3	5	1.15	0.12	1.09
(4,2241)	2:277:A:SER:H	2:276:A:MET:HG3	5	1.11	0.06	1.14
(4,1460)	2:277:A:SER:H	2:276:A:MET:HG3	5	1.1	0.06	1.13
(4,2918)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	5	1.1	0.79	1.74
(4,4352)	2:276:A:MET:HE1	2:276:A:MET:HG3	5	0.99	0.05	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,4352)	2:276:A:MET:HE3	2:276:A:MET:HG3	5	0.99	0.05	0.98
(4,1222)	2:276:A:MET:HE1	2:276:A:MET:HG3	5	0.96	0.04	0.95
(4,1222)	2:276:A:MET:HE3	2:276:A:MET:HG3	5	0.96	0.04	0.95
(4,3190)	2:276:A:MET:HE1	2:276:A:MET:HG3	5	0.93	0.04	0.92
(4,3190)	2:276:A:MET:HE3	2:276:A:MET:HG3	5	0.93	0.04	0.92
(3,246)	2:239:A:GLN:HG2	2:240:A:GLN:H	5	0.69	0.13	0.73
(3,246)	2:240:A:GLN:HG2	2:240:A:GLN:H	5	0.69	0.13	0.73
(3,246)	2:240:A:GLN:HG3	2:240:A:GLN:H	5	0.69	0.13	0.73
(4,2243)	2:277:A:SER:H	2:276:A:MET:HB2	5	0.67	0.01	0.68
(4,1461)	2:277:A:SER:H	2:276:A:MET:HB2	5	0.66	0.01	0.67
(3,294)	2:239:A:GLN:HG2	2:240:A:GLN:H	5	0.64	0.14	0.68
(3,294)	2:240:A:GLN:HG2	2:240:A:GLN:H	5	0.64	0.14	0.68
(3,294)	2:240:A:GLN:HG3	2:240:A:GLN:H	5	0.64	0.14	0.68
(3,496)	2:343:A:GLU:HG3	2:343:A:GLU:HA	5	0.62	0.02	0.62
(3,496)	2:343:A:GLU:HG2	2:343:A:GLU:HA	5	0.62	0.02	0.62
(3,11)	2:343:A:GLU:HG3	2:343:A:GLU:HA	5	0.61	0.02	0.61
(3,11)	2:343:A:GLU:HG2	2:343:A:GLU:HA	5	0.61	0.02	0.61
(3,178)	2:276:A:MET:HB3	2:273:A:ARG:H	5	0.48	0.07	0.48
(3,320)	2:276:A:MET:HB3	2:273:A:ARG:H	5	0.44	0.07	0.44
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD12	5	0.44	0.07	0.45
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD13	5	0.44	0.07	0.45
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD11	5	0.44	0.07	0.45
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD13	5	0.43	0.03	0.44
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD12	5	0.43	0.03	0.44
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD12	5	0.4	0.07	0.41
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD13	5	0.4	0.07	0.41
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD11	5	0.4	0.07	0.41
(4,3717)	2:277:A:SER:H	2:276:A:MET:HG3	5	0.39	0.05	0.41
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD13	5	0.38	0.03	0.39
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD12	5	0.38	0.03	0.39
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA2	5	0.36	0.13	0.43
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA3	5	0.36	0.13	0.43
(4,3718)	2:277:A:SER:H	2:276:A:MET:HG3	5	0.35	0.06	0.38
(4,3736)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	5	0.35	0.15	0.46
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA2	5	0.34	0.13	0.42
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA3	5	0.34	0.13	0.42
(4,3915)	2:276:A:MET:HE1	2:301:A:ASP:H	5	0.34	0.12	0.32
(4,3915)	2:276:A:MET:HE3	2:301:A:ASP:H	5	0.34	0.12	0.32
(3,549)	2:346:A:SER:H	2:346:A:SER:HB3	5	0.31	0.06	0.33
(3,549)	2:346:A:SER:HB2	2:346:A:SER:H	5	0.31	0.06	0.33
(4,3483)	2:250:A:VAL:HG21	2:249:A:GLU:HB2	5	0.31	0.09	0.29
(4,3483)	2:250:A:VAL:HG22	2:249:A:GLU:HB2	5	0.31	0.09	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3483)	2:250:A:VAL:HG23	2:249:A:GLU:HB2	5	0.31	0.09	0.29
(4,3648)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	5	0.31	0.05	0.29
(4,4238)	2:343:A:GLU:HB2	2:343:A:GLU:H	5	0.3	0.03	0.31
(4,4131)	2:322:A:GLN:HG3	2:287:A:ASP:HA	5	0.3	0.1	0.33
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD11	5	0.3	0.09	0.31
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD12	5	0.3	0.09	0.31
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD13	5	0.3	0.09	0.31
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD12	5	0.29	0.08	0.3
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD13	5	0.29	0.08	0.3
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD11	5	0.29	0.08	0.3
(4,187)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	5	0.29	0.04	0.28
(3,64)	2:346:A:SER:H	2:346:A:SER:HB3	5	0.28	0.06	0.3
(3,64)	2:346:A:SER:HB2	2:346:A:SER:H	5	0.28	0.06	0.3
(4,1143)	2:343:A:GLU:HB2	2:343:A:GLU:H	5	0.27	0.03	0.28
(4,552)	2:250:A:VAL:HG21	2:249:A:GLU:HB2	5	0.26	0.09	0.24
(4,552)	2:250:A:VAL:HG22	2:249:A:GLU:HB2	5	0.26	0.09	0.24
(4,552)	2:250:A:VAL:HG23	2:249:A:GLU:HB2	5	0.26	0.09	0.24
(4,673)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	5	0.26	0.06	0.24
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD11	5	0.25	0.09	0.27
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD12	5	0.25	0.09	0.27
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD13	5	0.25	0.09	0.27
(4,1566)	2:243:A:ALA:HB1	2:243:A:ALA:H	5	0.25	0.09	0.22
(4,1566)	2:243:A:ALA:HB2	2:243:A:ALA:H	5	0.25	0.09	0.22
(4,1566)	2:243:A:ALA:HB3	2:243:A:ALA:H	5	0.25	0.09	0.22
(4,3660)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	5	0.25	0.02	0.24
(3,271)	2:231:A:LEU:HB2	2:231:A:LEU:H	5	0.24	0.04	0.27
(4,605)	2:281:A:LEU:HD11	2:335:A:GLN:HA	5	0.24	0.08	0.24
(4,605)	2:281:A:LEU:HD13	2:335:A:GLN:HA	5	0.24	0.08	0.24
(4,605)	2:281:A:LEU:HD12	2:335:A:GLN:HA	5	0.24	0.08	0.24
(4,3490)	2:254:A:LEU:HD22	2:254:A:LEU:HA	5	0.22	0.06	0.26
(4,3490)	2:254:A:LEU:HD23	2:254:A:LEU:HA	5	0.22	0.06	0.26
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB2	5	0.22	0.04	0.21
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB1	5	0.22	0.04	0.21
(4,415)	2:272:A:ALA:HB2	2:304:A:PHE:HA	5	0.21	0.03	0.23
(4,415)	2:272:A:ALA:HB3	2:304:A:PHE:HA	5	0.21	0.03	0.23
(4,415)	2:272:A:ALA:HB1	2:304:A:PHE:HA	5	0.21	0.03	0.23
(4,3713)	2:277:A:SER:H	2:276:A:MET:HB2	5	0.21	0.01	0.22
(4,3012)	2:302:A:LYS:HA	2:302:A:LYS:HG3	5	0.21	0.02	0.22
(4,684)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	5	0.21	0.02	0.21
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG12	5	0.21	0.07	0.18
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG13	5	0.21	0.07	0.18
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB2	5	0.21	0.04	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB1	5	0.21	0.04	0.2
(4,4186)	2:269:A:PRO:HG2	2:304:A:PHE:HA	5	0.21	0.06	0.18
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD12	5	0.2	0.07	0.2
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD13	5	0.2	0.07	0.2
(3,344)	2:231:A:LEU:HB2	2:231:A:LEU:H	5	0.2	0.04	0.23
(4,195)	2:302:A:LYS:HA	2:302:A:LYS:HG3	5	0.19	0.02	0.2
(4,4354)	2:302:A:LYS:HA	2:302:A:LYS:HG3	5	0.19	0.02	0.2
(3,224)	2:325:A:PRO:HB3	2:327:A:ALA:H	5	0.19	0.03	0.18
(3,224)	2:326:A:ARG:HB3	2:327:A:ALA:H	5	0.19	0.03	0.18
(4,524)	2:253:A:SER:HA	2:253:A:SER:HB3	5	0.18	0.03	0.19
(4,3189)	2:276:A:MET:HE2	2:301:A:ASP:HB3	5	0.18	0.05	0.18
(4,3189)	2:276:A:MET:HE3	2:301:A:ASP:HB3	5	0.18	0.05	0.18
(4,3189)	2:276:A:MET:HE1	2:301:A:ASP:HB3	5	0.18	0.05	0.18
(4,2042)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	5	0.18	0.02	0.18
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG12	5	0.17	0.04	0.19
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG13	5	0.17	0.04	0.19
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG11	5	0.17	0.04	0.19
(4,3196)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	5	0.16	0.07	0.11
(4,346)	2:276:A:MET:HE2	2:301:A:ASP:HB3	5	0.16	0.04	0.16
(4,346)	2:276:A:MET:HE3	2:301:A:ASP:HB3	5	0.16	0.04	0.16
(4,346)	2:276:A:MET:HE1	2:301:A:ASP:HB3	5	0.16	0.04	0.16
(4,4192)	2:267:A:ARG:HG2	2:267:A:ARG:HA	5	0.16	0.04	0.14
(3,530)	2:240:A:GLN:HG2	2:240:A:GLN:HA	5	0.16	0.03	0.17
(3,530)	2:240:A:GLN:HG3	2:240:A:GLN:HA	5	0.16	0.03	0.17
(4,238)	2:281:A:LEU:HD13	2:337:A:ARG:HA	5	0.16	0.07	0.12
(4,238)	2:281:A:LEU:HD11	2:337:A:ARG:HA	5	0.16	0.07	0.12
(4,238)	2:281:A:LEU:HD12	2:337:A:ARG:HA	5	0.16	0.07	0.12
(4,1743)	2:272:A:ALA:HB3	2:271:A:SER:H	5	0.16	0.04	0.15
(4,1743)	2:272:A:ALA:HB1	2:271:A:SER:H	5	0.16	0.04	0.15
(4,1743)	2:272:A:ALA:HB2	2:271:A:SER:H	5	0.16	0.04	0.15
(4,328)	2:321:A:MET:HE3	2:321:A:MET:HG3	5	0.15	0.04	0.13
(4,328)	2:321:A:MET:HE1	2:321:A:MET:HG3	5	0.15	0.04	0.13
(4,4213)	2:315:A:VAL:HG12	2:316:A:GLY:H	5	0.15	0.04	0.13
(4,4213)	2:315:A:VAL:HG11	2:316:A:GLY:H	5	0.15	0.04	0.13
(4,4213)	2:315:A:VAL:HG13	2:316:A:GLY:H	5	0.15	0.04	0.13
(4,4347)	2:276:A:MET:HE2	2:301:A:ASP:HB3	5	0.15	0.05	0.15
(4,4347)	2:276:A:MET:HE3	2:301:A:ASP:HB3	5	0.15	0.05	0.15
(4,4347)	2:276:A:MET:HE1	2:301:A:ASP:HB3	5	0.15	0.05	0.15
(3,42)	2:240:A:GLN:HG2	2:240:A:GLN:HA	5	0.15	0.03	0.15
(3,42)	2:240:A:GLN:HG3	2:240:A:GLN:HA	5	0.15	0.03	0.15
(4,2443)	2:343:A:GLU:HB2	2:343:A:GLU:H	5	0.14	0.03	0.15
(3,309)	2:283:A:GLU:HB3	2:283:A:GLU:H	5	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,498)	2:283:A:GLU:HB3	2:283:A:GLU:H	5	0.14	0.0	0.14
(4,1783)	2:301:A:ASP:H	2:304:A:PHE:HD1	5	0.13	0.02	0.14
(4,1105)	2:267:A:ARG:HG2	2:267:A:ARG:HA	5	0.13	0.04	0.11
(4,2176)	2:276:A:MET:HB3	2:276:A:MET:H	5	0.13	0.01	0.13
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG22	5	0.13	0.02	0.13
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG21	5	0.13	0.02	0.13
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG23	5	0.13	0.02	0.13
(4,3913)	2:276:A:MET:HE2	2:304:A:PHE:HB3	5	0.13	0.03	0.12
(4,3913)	2:276:A:MET:HE1	2:304:A:PHE:HB3	5	0.13	0.03	0.12
(4,3913)	2:276:A:MET:HE3	2:304:A:PHE:HB3	5	0.13	0.03	0.12
(4,1407)	2:276:A:MET:HB3	2:276:A:MET:H	5	0.12	0.0	0.12
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE2	5	0.12	0.02	0.11
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE1	5	0.12	0.02	0.11
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE3	5	0.12	0.02	0.11
(4,738)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	5	0.12	0.01	0.12
(4,3609)	2:326:A:ARG:HB2	2:327:A:ALA:H	5	0.12	0.0	0.12
(4,1698)	2:263:A:SER:H	2:262:A:VAL:HB	5	0.12	0.01	0.12
(4,3555)	2:335:A:GLN:H	2:335:A:GLN:HB3	5	0.11	0.0	0.11
(3,407)	2:264:A:GLN:H	2:264:A:GLN:HG2	5	0.11	0.02	0.1
(4,3002)	2:255:A:ASP:HA	2:255:A:ASP:HB2	5	0.11	0.01	0.11
(4,916)	2:309:A:VAL:HG23	2:309:A:VAL:HA	5	0.1	0.0	0.1
(4,916)	2:309:A:VAL:HG21	2:309:A:VAL:HA	5	0.1	0.0	0.1
(4,916)	2:309:A:VAL:HG22	2:309:A:VAL:HA	5	0.1	0.0	0.1
(4,3627)	2:328:A:THR:HB	2:325:A:PRO:HG3	5	0.1	0.0	0.1
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG13	4	2.09	1.15	2.7
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG12	4	2.09	1.15	2.7
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG11	4	2.09	1.15	2.7
(4,3238)	2:254:A:LEU:HD23	2:324:A:LEU:HD12	4	1.77	0.93	2.25
(4,3238)	2:254:A:LEU:HD21	2:324:A:LEU:HD11	4	1.77	0.93	2.25
(4,3238)	2:254:A:LEU:HD21	2:324:A:LEU:HD12	4	1.77	0.93	2.25
(4,379)	2:254:A:LEU:HD23	2:324:A:LEU:HD12	4	1.76	0.93	2.24
(4,379)	2:254:A:LEU:HD21	2:324:A:LEU:HD11	4	1.76	0.93	2.24
(4,379)	2:254:A:LEU:HD21	2:324:A:LEU:HD12	4	1.76	0.93	2.24
(4,118)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	4	1.33	0.68	1.72
(4,1400)	2:315:A:VAL:H	2:265:A:GLN:HG2	4	1.25	0.13	1.25
(4,1922)	2:315:A:VAL:H	2:265:A:GLN:HG2	4	1.21	0.13	1.21
(4,2658)	2:301:A:ASP:H	2:302:A:LYS:HG2	4	1.13	0.56	1.44
(4,1782)	2:301:A:ASP:H	2:302:A:LYS:HG2	4	1.12	0.56	1.42
(4,4227)	2:347:A:LEU:HD11	2:346:A:SER:HB3	4	0.92	0.89	0.55
(4,4227)	2:347:A:LEU:HD12	2:346:A:SER:HB3	4	0.92	0.89	0.55
(4,3393)	2:347:A:LEU:H	2:346:A:SER:HB3	4	0.78	0.09	0.8
(4,482)	2:347:A:LEU:H	2:346:A:SER:HB3	4	0.75	0.09	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,236)	2:314:A:ASN:H	2:265:A:GLN:HB2	4	0.62	0.01	0.62
(4,4056)	2:318:A:ILE:HB	2:321:A:MET:HG3	4	0.56	0.21	0.57
(3,317)	2:314:A:ASN:H	2:265:A:GLN:HB2	4	0.56	0.01	0.56
(4,341)	2:279:A:GLU:HB3	2:296:A:SER:HB3	4	0.55	0.45	0.5
(4,999)	2:318:A:ILE:HB	2:321:A:MET:HG3	4	0.53	0.21	0.54
(4,2769)	2:228:A:LEU:HB2	2:228:A:LEU:H	4	0.46	0.21	0.5
(4,1875)	2:228:A:LEU:HB2	2:228:A:LEU:H	4	0.46	0.21	0.49
(4,2068)	2:347:A:LEU:H	2:346:A:SER:HB3	4	0.46	0.09	0.48
(4,586)	2:341:A:LYS:HB3	2:339:A:ILE:HG23	4	0.43	0.14	0.44
(4,586)	2:341:A:LYS:HB3	2:339:A:ILE:HG21	4	0.43	0.14	0.44
(4,3292)	1:9:B:GLY:HA3	2:263:A:SER:HB3	4	0.41	0.3	0.36
(4,737)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	4	0.37	0.11	0.43
(4,2194)	2:334:A:ARG:HB2	2:334:A:ARG:H	4	0.37	0.01	0.37
(4,1422)	2:334:A:ARG:HB2	2:334:A:ARG:H	4	0.36	0.01	0.36
(4,3724)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	4	0.36	0.11	0.38
(4,885)	2:276:A:MET:HE3	2:301:A:ASP:H	4	0.35	0.07	0.32
(4,885)	2:276:A:MET:HE1	2:301:A:ASP:H	4	0.35	0.07	0.32
(4,2145)	2:281:A:LEU:HD13	2:337:A:ARG:H	4	0.34	0.19	0.26
(4,2145)	2:281:A:LEU:HD12	2:337:A:ARG:H	4	0.34	0.19	0.26
(4,2145)	2:281:A:LEU:HD11	2:337:A:ARG:H	4	0.34	0.19	0.26
(4,1379)	2:281:A:LEU:HD13	2:337:A:ARG:H	4	0.32	0.19	0.24
(4,1379)	2:281:A:LEU:HD12	2:337:A:ARG:H	4	0.32	0.19	0.24
(4,1379)	2:281:A:LEU:HD11	2:337:A:ARG:H	4	0.32	0.19	0.24
(4,1057)	2:322:A:GLN:HG3	2:287:A:ASP:HA	4	0.32	0.02	0.32
(4,725)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	4	0.32	0.11	0.34
(4,2870)	2:251:A:THR:HA	2:332:A:LEU:HD23	4	0.3	0.05	0.29
(4,2870)	2:251:A:THR:HA	2:332:A:LEU:HD21	4	0.3	0.05	0.29
(4,73)	2:251:A:THR:HA	2:332:A:LEU:HD23	4	0.28	0.05	0.26
(4,73)	2:251:A:THR:HA	2:332:A:LEU:HD21	4	0.28	0.05	0.26
(3,443)	2:254:A:LEU:HD22	2:324:A:LEU:H	4	0.28	0.13	0.24
(3,443)	2:254:A:LEU:HD21	2:324:A:LEU:H	4	0.28	0.13	0.24
(4,4176)	2:321:A:MET:HE3	2:284:A:MET:HE3	4	0.27	0.12	0.22
(4,4176)	2:321:A:MET:HE2	2:284:A:MET:HE1	4	0.27	0.12	0.22
(4,4176)	2:321:A:MET:HE1	2:284:A:MET:HE1	4	0.27	0.12	0.22
(3,184)	2:254:A:LEU:HD22	2:324:A:LEU:H	4	0.26	0.13	0.22
(3,184)	2:254:A:LEU:HD21	2:324:A:LEU:H	4	0.26	0.13	0.22
(4,3286)	2:321:A:MET:HE3	2:284:A:MET:HE3	4	0.24	0.12	0.2
(4,3286)	2:321:A:MET:HE2	2:284:A:MET:HE1	4	0.24	0.12	0.2
(4,3286)	2:321:A:MET:HE1	2:284:A:MET:HE1	4	0.24	0.12	0.2
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG23	4	0.24	0.09	0.22
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	4	0.24	0.09	0.22
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG21	4	0.24	0.09	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1093)	2:321:A:MET:HE3	2:284:A:MET:HE3	4	0.24	0.12	0.19
(4,1093)	2:321:A:MET:HE2	2:284:A:MET:HE1	4	0.24	0.12	0.19
(4,1093)	2:321:A:MET:HE1	2:284:A:MET:HE1	4	0.24	0.12	0.19
(4,2161)	2:276:A:MET:HG2	2:273:A:ARG:H	4	0.24	0.1	0.2
(4,4254)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	4	0.24	0.05	0.26
(4,4254)	1:1:B:ALA:HB2	2:336:A:ARG:HD3	4	0.24	0.05	0.26
(4,4254)	1:1:B:ALA:HB3	2:336:A:ARG:HD3	4	0.24	0.05	0.26
(4,1394)	2:276:A:MET:HG2	2:273:A:ARG:H	4	0.23	0.1	0.19
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB1	4	0.23	0.07	0.22
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB2	4	0.23	0.07	0.22
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB3	4	0.23	0.07	0.22
(4,3377)	2:337:A:ARG:HD3	2:338:A:ILE:H	4	0.22	0.1	0.2
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG23	4	0.22	0.09	0.2
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	4	0.22	0.09	0.2
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG21	4	0.22	0.09	0.2
(3,38)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	4	0.22	0.03	0.2
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB1	4	0.22	0.07	0.21
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB2	4	0.22	0.07	0.21
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB3	4	0.22	0.07	0.21
(3,260)	2:323:A:GLN:H	2:323:A:GLN:HB2	4	0.2	0.08	0.2
(4,557)	2:254:A:LEU:HD23	2:254:A:LEU:HA	4	0.2	0.06	0.22
(4,557)	2:254:A:LEU:HD22	2:254:A:LEU:HA	4	0.2	0.06	0.22
(4,2510)	2:244:A:ASP:HA	2:245:A:GLU:H	4	0.2	0.13	0.14
(4,4128)	2:322:A:GLN:HG3	2:322:A:GLN:HA	4	0.2	0.05	0.22
(4,4142)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	4	0.2	0.04	0.2
(4,1663)	2:244:A:ASP:HA	2:245:A:GLU:H	4	0.19	0.13	0.13
(4,2839)	2:334:A:ARG:HG2	2:334:A:ARG:HA	4	0.19	0.01	0.19
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG23	4	0.19	0.08	0.16
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	4	0.19	0.08	0.16
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG21	4	0.19	0.08	0.16
(4,4237)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	4	0.19	0.05	0.18
(4,4237)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	4	0.19	0.05	0.18
(4,4237)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	4	0.19	0.05	0.18
(3,100)	2:287:A:ASP:HB3	2:287:A:ASP:HA	4	0.18	0.01	0.19
(4,44)	2:334:A:ARG:HG2	2:334:A:ARG:HA	4	0.18	0.02	0.18
(4,4204)	2:321:A:MET:H	2:318:A:ILE:HG23	4	0.18	0.02	0.17
(4,4204)	2:321:A:MET:H	2:318:A:ILE:HG22	4	0.18	0.02	0.17
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD21	4	0.17	0.01	0.18
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD22	4	0.17	0.01	0.18
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD23	4	0.17	0.01	0.18
(4,4418)	1:12:B:ARG:HG3	1:12:B:ARG:H	4	0.16	0.01	0.16
(3,319)	2:326:A:ARG:HB3	2:327:A:ALA:H	4	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,319)	2:325:A:PRO:HB3	2:327:A:ALA:H	4	0.15	0.03	0.15
(4,1115)	2:321:A:MET:H	2:318:A:ILE:HG23	4	0.14	0.02	0.14
(4,1115)	2:321:A:MET:H	2:318:A:ILE:HG22	4	0.14	0.02	0.14
(4,3336)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	4	0.14	0.03	0.12
(4,3336)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	4	0.14	0.03	0.12
(3,355)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	4	0.14	0.04	0.12
(4,1985)	2:253:A:SER:HA	2:253:A:SER:HB3	4	0.14	0.02	0.15
(4,1255)	1:12:B:ARG:HG3	1:12:B:ARG:H	4	0.14	0.01	0.14
(4,3475)	2:249:A:GLU:H	2:249:A:GLU:HB2	4	0.14	0.03	0.14
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD21	4	0.14	0.01	0.14
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD22	4	0.14	0.01	0.14
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD23	4	0.14	0.01	0.14
(4,1294)	1:9:B:GLY:H	1:12:B:ARG:HE	4	0.13	0.02	0.13
(4,1378)	2:337:A:ARG:HG3	2:337:A:ARG:H	4	0.13	0.01	0.14
(4,529)	2:253:A:SER:HB2	2:254:A:LEU:H	4	0.13	0.02	0.12
(4,1646)	2:341:A:LYS:H	2:341:A:LYS:HG3	4	0.12	0.02	0.12
(4,1951)	2:250:A:VAL:HB	2:250:A:VAL:HG13	4	0.12	0.02	0.12
(4,1951)	2:250:A:VAL:HB	2:250:A:VAL:HG11	4	0.12	0.02	0.12
(4,3270)	2:250:A:VAL:HB	2:251:A:THR:HA	4	0.12	0.02	0.12
(4,1178)	2:338:A:ILE:H	2:338:A:ILE:HG12	4	0.12	0.01	0.12
(4,2929)	2:234:A:ASP:HA	2:234:A:ASP:HB2	4	0.12	0.01	0.12
(4,1730)	2:265:A:GLN:HB3	2:266:A:TRP:H	4	0.12	0.01	0.12
(4,1210)	2:282:A:ILE:HB	2:283:A:GLU:H	4	0.12	0.02	0.12
(4,2708)	2:323:A:GLN:H	2:323:A:GLN:HG3	4	0.11	0.01	0.11
(4,1911)	2:327:A:ALA:HB1	2:328:A:THR:H	4	0.11	0.0	0.11
(4,721)	2:277:A:SER:H	2:276:A:MET:HB3	4	0.1	0.0	0.11
(3,446)	2:328:A:THR:H	2:329:A:PHE:HB3	4	0.1	0.0	0.1
(4,338)	2:298:A:SER:HA	2:278:A:VAL:HG13	3	2.74	0.11	2.78
(4,338)	2:298:A:SER:HA	2:278:A:VAL:HG12	3	2.74	0.11	2.78
(4,338)	2:298:A:SER:HA	2:278:A:VAL:HG11	3	2.74	0.11	2.78
(4,4381)	2:277:A:SER:HA	2:278:A:VAL:HG22	3	2.24	0.05	2.23
(4,4381)	2:277:A:SER:HA	2:278:A:VAL:HG23	3	2.24	0.05	2.23
(4,4381)	2:277:A:SER:HA	2:278:A:VAL:HG21	3	2.24	0.05	2.23
(4,1238)	2:277:A:SER:HA	2:278:A:VAL:HG22	3	2.2	0.05	2.19
(4,1238)	2:277:A:SER:HA	2:278:A:VAL:HG23	3	2.2	0.05	2.19
(4,1238)	2:277:A:SER:HA	2:278:A:VAL:HG21	3	2.2	0.05	2.19
(4,2323)	2:278:A:VAL:HG11	2:297:A:ARG:H	3	2.18	0.04	2.18
(4,2323)	2:278:A:VAL:HG13	2:297:A:ARG:H	3	2.18	0.04	2.18
(4,2323)	2:278:A:VAL:HG12	2:297:A:ARG:H	3	2.18	0.04	2.18
(4,1532)	2:278:A:VAL:HG11	2:297:A:ARG:H	3	2.16	0.04	2.16
(4,1532)	2:278:A:VAL:HG13	2:297:A:ARG:H	3	2.16	0.04	2.16
(4,1532)	2:278:A:VAL:HG12	2:297:A:ARG:H	3	2.16	0.04	2.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3645)	2:324:A:LEU:HD23	2:325:A:PRO:HG2	3	2.16	0.02	2.16
(4,3645)	2:324:A:LEU:HD22	2:325:A:PRO:HG2	3	2.16	0.02	2.16
(4,2800)	2:324:A:LEU:HD23	2:324:A:LEU:HA	3	2.14	0.01	2.13
(4,2800)	2:324:A:LEU:HD22	2:324:A:LEU:HA	3	2.14	0.01	2.13
(4,7)	2:324:A:LEU:HD23	2:324:A:LEU:HA	3	2.12	0.01	2.12
(4,7)	2:324:A:LEU:HD22	2:324:A:LEU:HA	3	2.12	0.01	2.12
(4,670)	2:324:A:LEU:HD23	2:325:A:PRO:HG2	3	2.12	0.02	2.12
(4,670)	2:324:A:LEU:HD22	2:325:A:PRO:HG2	3	2.12	0.02	2.12
(4,3071)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	3	1.98	0.1	2.03
(4,252)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	3	1.97	0.1	2.02
(4,4415)	1:5:B:VAL:HG21	1:5:B:VAL:H	3	1.37	0.03	1.38
(4,4415)	1:5:B:VAL:HG23	1:5:B:VAL:H	3	1.37	0.03	1.38
(4,1252)	1:5:B:VAL:HG21	1:5:B:VAL:H	3	1.35	0.03	1.36
(4,1252)	1:5:B:VAL:HG23	1:5:B:VAL:H	3	1.35	0.03	1.36
(4,2907)	2:340:A:PHE:HB2	2:278:A:VAL:HG23	3	1.34	0.09	1.32
(4,2907)	2:340:A:PHE:HB2	2:278:A:VAL:HG21	3	1.34	0.09	1.32
(4,109)	2:340:A:PHE:HB2	2:278:A:VAL:HG23	3	1.32	0.1	1.3
(4,109)	2:340:A:PHE:HB2	2:278:A:VAL:HG21	3	1.32	0.1	1.3
(4,3893)	2:298:A:SER:HA	2:278:A:VAL:HG13	3	1.21	0.11	1.25
(4,3893)	2:298:A:SER:HA	2:278:A:VAL:HG12	3	1.21	0.11	1.25
(4,3893)	2:298:A:SER:HA	2:278:A:VAL:HG11	3	1.21	0.11	1.25
(4,3134)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	3	1.19	0.76	1.7
(4,303)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	3	1.17	0.76	1.68
(4,2917)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	3	1.14	0.12	1.19
(4,117)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	3	1.12	0.12	1.17
(4,4256)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	3	1.09	0.03	1.09
(4,2084)	2:279:A:GLU:H	2:278:A:VAL:HG11	3	1.08	0.02	1.08
(4,2084)	2:279:A:GLU:H	2:278:A:VAL:HG13	3	1.08	0.02	1.08
(4,2084)	2:279:A:GLU:H	2:278:A:VAL:HG12	3	1.08	0.02	1.08
(4,4414)	1:5:B:VAL:HG21	1:5:B:VAL:H	3	1.08	0.03	1.09
(4,4414)	1:5:B:VAL:HG23	1:5:B:VAL:H	3	1.08	0.03	1.09
(4,1156)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	3	1.05	0.03	1.04
(4,2617)	2:278:A:VAL:H	2:278:A:VAL:HG22	3	1.04	0.03	1.03
(4,2617)	2:278:A:VAL:H	2:278:A:VAL:HG23	3	1.04	0.03	1.03
(4,2617)	2:278:A:VAL:H	2:278:A:VAL:HG21	3	1.04	0.03	1.03
(4,1747)	2:278:A:VAL:H	2:278:A:VAL:HG22	3	1.03	0.03	1.02
(4,1747)	2:278:A:VAL:H	2:278:A:VAL:HG23	3	1.03	0.03	1.02
(4,1747)	2:278:A:VAL:H	2:278:A:VAL:HG21	3	1.03	0.03	1.02
(4,3070)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	3	0.97	0.08	0.93
(4,251)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	3	0.95	0.08	0.92
(3,69)	2:328:A:THR:HB	2:324:A:LEU:HD23	3	0.92	0.02	0.91
(3,69)	2:328:A:THR:HB	2:324:A:LEU:HD22	3	0.92	0.02	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3208)	2:278:A:VAL:HG12	2:278:A:VAL:HA	3	0.88	0.01	0.89
(4,3208)	2:278:A:VAL:HG11	2:278:A:VAL:HA	3	0.88	0.01	0.89
(4,3208)	2:278:A:VAL:HG13	2:278:A:VAL:HA	3	0.88	0.01	0.89
(4,356)	2:278:A:VAL:HG12	2:278:A:VAL:HA	3	0.87	0.01	0.88
(4,356)	2:278:A:VAL:HG11	2:278:A:VAL:HA	3	0.87	0.01	0.88
(4,356)	2:278:A:VAL:HG13	2:278:A:VAL:HA	3	0.87	0.01	0.88
(3,425)	2:328:A:THR:HB	2:324:A:LEU:HD23	3	0.87	0.02	0.86
(3,425)	2:328:A:THR:HB	2:324:A:LEU:HD22	3	0.87	0.02	0.86
(4,1977)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	3	0.85	0.08	0.82
(4,4411)	1:7:B:SER:H	1:5:B:VAL:HG12	3	0.85	0.12	0.87
(4,4411)	1:7:B:SER:H	1:5:B:VAL:HG11	3	0.85	0.12	0.87
(4,1249)	1:7:B:SER:H	1:5:B:VAL:HG12	3	0.82	0.12	0.84
(4,1249)	1:7:B:SER:H	1:5:B:VAL:HG11	3	0.82	0.12	0.84
(4,3504)	2:320:A:GLU:HG3	2:257:A:LEU:HD12	3	0.72	0.06	0.69
(4,3504)	2:320:A:GLU:HG3	2:257:A:LEU:HD11	3	0.72	0.06	0.69
(4,563)	2:320:A:GLU:HG3	2:257:A:LEU:HD12	3	0.69	0.05	0.66
(4,563)	2:320:A:GLU:HG3	2:257:A:LEU:HD11	3	0.69	0.05	0.66
(4,3136)	2:273:A:ARG:HA	2:273:A:ARG:HD3	3	0.57	0.04	0.57
(4,305)	2:273:A:ARG:HA	2:273:A:ARG:HD3	3	0.56	0.03	0.56
(4,2477)	2:299:A:SER:H	2:278:A:VAL:HG12	3	0.55	0.04	0.54
(4,2477)	2:299:A:SER:H	2:278:A:VAL:HG11	3	0.55	0.04	0.54
(4,1636)	2:299:A:SER:H	2:278:A:VAL:HG12	3	0.54	0.04	0.53
(4,1636)	2:299:A:SER:H	2:278:A:VAL:HG11	3	0.54	0.04	0.53
(4,2569)	2:242:A:LEU:H	2:242:A:LEU:HB3	3	0.5	0.5	0.16
(4,1706)	2:242:A:LEU:H	2:242:A:LEU:HB3	3	0.49	0.5	0.16
(4,4193)	2:336:A:ARG:HG3	2:337:A:ARG:H	3	0.45	0.08	0.46
(4,4069)	2:324:A:LEU:H	2:324:A:LEU:HB2	3	0.43	0.01	0.43
(4,1106)	2:336:A:ARG:HG3	2:337:A:ARG:H	3	0.41	0.08	0.41
(4,1008)	2:324:A:LEU:H	2:324:A:LEU:HB2	3	0.4	0.01	0.4
(3,507)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	3	0.39	0.21	0.39
(3,22)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	3	0.38	0.2	0.38
(4,4107)	2:273:A:ARG:HA	2:273:A:ARG:HD3	3	0.38	0.03	0.38
(3,245)	2:240:A:GLN:H	2:240:A:GLN:HB2	3	0.37	0.12	0.29
(3,245)	2:239:A:GLN:HB3	2:240:A:GLN:H	3	0.37	0.12	0.29
(4,2811)	2:328:A:THR:HB	2:324:A:LEU:HB3	3	0.37	0.01	0.37
(4,3293)	1:9:B:GLY:HA3	2:263:A:SER:HB2	3	0.35	0.3	0.18
(4,19)	2:328:A:THR:HB	2:324:A:LEU:HB3	3	0.35	0.01	0.35
(4,3013)	2:302:A:LYS:HA	2:302:A:LYS:HG2	3	0.35	0.02	0.34
(4,3863)	2:320:A:GLU:HG2	2:320:A:GLU:HA	3	0.35	0.02	0.36
(4,196)	2:302:A:LYS:HA	2:302:A:LYS:HG2	3	0.34	0.02	0.33
(3,208)	2:243:A:ALA:HA	2:243:A:ALA:H	3	0.33	0.06	0.3
(3,313)	2:240:A:GLN:H	2:240:A:GLN:HB2	3	0.32	0.12	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,313)	2:239:A:GLN:HB3	2:240:A:GLN:H	3	0.32	0.12	0.25
(4,841)	2:320:A:GLU:HG2	2:320:A:GLU:HA	3	0.31	0.02	0.32
(3,217)	2:230:A:GLU:H	2:230:A:GLU:HG3	3	0.3	0.04	0.32
(3,298)	2:243:A:ALA:HA	2:243:A:ALA:H	3	0.3	0.05	0.27
(4,4355)	2:302:A:LYS:HA	2:302:A:LYS:HG2	3	0.29	0.02	0.28
(4,3946)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	3	0.28	0.14	0.19
(4,2853)	2:334:A:ARG:HD2	2:330:A:ASP:HA	3	0.27	0.0	0.27
(4,57)	2:334:A:ARG:HD2	2:330:A:ASP:HA	3	0.25	0.0	0.25
(3,285)	2:230:A:GLU:H	2:230:A:GLU:HG3	3	0.25	0.04	0.28
(4,4140)	2:272:A:ALA:HB2	2:345:A:LEU:HD11	3	0.24	0.1	0.29
(4,4140)	2:272:A:ALA:HB1	2:345:A:LEU:HD12	3	0.24	0.1	0.29
(4,4140)	2:272:A:ALA:HB2	2:345:A:LEU:HD13	3	0.24	0.1	0.29
(4,2651)	2:299:A:SER:HB3	2:301:A:ASP:H	3	0.23	0.04	0.22
(4,4253)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	3	0.23	0.01	0.23
(4,4253)	1:1:B:ALA:HB1	2:336:A:ARG:HD2	3	0.23	0.01	0.23
(4,1777)	2:299:A:SER:HB3	2:301:A:ASP:H	3	0.22	0.04	0.21
(4,908)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	3	0.22	0.15	0.13
(4,4263)	2:328:A:THR:HG23	2:324:A:LEU:HG	3	0.21	0.02	0.22
(4,4263)	2:328:A:THR:HG22	2:324:A:LEU:HG	3	0.21	0.02	0.22
(3,156)	2:334:A:ARG:HG2	2:334:A:ARG:HA	3	0.21	0.01	0.22
(4,472)	2:337:A:ARG:HD3	2:338:A:ILE:H	3	0.21	0.1	0.18
(4,2261)	2:300:A:GLY:H	2:299:A:SER:HB3	3	0.2	0.04	0.23
(4,1232)	2:315:A:VAL:HG12	2:261:A:LEU:HB2	3	0.2	0.06	0.23
(4,1232)	2:315:A:VAL:HG11	2:261:A:LEU:HB2	3	0.2	0.06	0.23
(4,1055)	2:322:A:GLN:HG3	2:322:A:GLN:HA	3	0.2	0.01	0.2
(3,306)	2:323:A:GLN:H	2:323:A:GLN:HB2	3	0.19	0.07	0.18
(4,253)	2:328:A:THR:HG23	2:324:A:LEU:HD12	3	0.19	0.01	0.18
(4,253)	2:328:A:THR:HG22	2:324:A:LEU:HD12	3	0.19	0.01	0.18
(4,1476)	2:300:A:GLY:H	2:299:A:SER:HB3	3	0.19	0.04	0.21
(4,4433)	1:10:B:ASN:HB2	1:10:B:ASN:H	3	0.19	0.03	0.2
(4,1161)	2:328:A:THR:HG23	2:324:A:LEU:HG	3	0.17	0.02	0.18
(4,1161)	2:328:A:THR:HG22	2:324:A:LEU:HG	3	0.17	0.02	0.18
(3,492)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	3	0.17	0.03	0.19
(4,1270)	1:10:B:ASN:HB2	1:10:B:ASN:H	3	0.17	0.03	0.18
(4,3914)	2:277:A:SER:H	2:276:A:MET:HE2	3	0.17	0.0	0.17
(4,3914)	2:277:A:SER:H	2:276:A:MET:HE3	3	0.17	0.0	0.17
(4,4108)	2:317:A:ARG:H	2:317:A:ARG:HD2	3	0.16	0.01	0.17
(4,1065)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	3	0.16	0.03	0.17
(4,2143)	2:336:A:ARG:HD3	2:337:A:ARG:H	3	0.15	0.02	0.16
(3,9)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	3	0.15	0.04	0.18
(4,3561)	2:281:A:LEU:HD13	2:336:A:ARG:H	3	0.15	0.01	0.15
(4,3561)	2:281:A:LEU:HD11	2:336:A:ARG:H	3	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3699)	2:277:A:SER:HB2	2:341:A:LYS:HA	3	0.15	0.02	0.14
(4,612)	2:335:A:GLN:H	2:334:A:ARG:HB3	3	0.15	0.03	0.14
(4,1960)	2:328:A:THR:HG23	2:324:A:LEU:HD12	3	0.14	0.02	0.13
(4,1960)	2:328:A:THR:HG22	2:324:A:LEU:HD12	3	0.14	0.02	0.13
(4,3831)	2:314:A:ASN:HD22	2:314:A:ASN:HB3	3	0.13	0.01	0.14
(3,370)	2:334:A:ARG:HG2	2:334:A:ARG:HA	3	0.13	0.01	0.14
(4,3360)	2:313:A:ARG:HA	2:312:A:VAL:HG21	3	0.13	0.02	0.12
(4,3360)	2:313:A:ARG:HA	2:312:A:VAL:HG23	3	0.13	0.02	0.12
(3,410)	2:287:A:ASP:HB3	2:287:A:ASP:HA	3	0.13	0.0	0.13
(4,884)	2:277:A:SER:H	2:276:A:MET:HE2	3	0.12	0.0	0.12
(4,884)	2:277:A:SER:H	2:276:A:MET:HE3	3	0.12	0.0	0.12
(4,1795)	2:311:A:ALA:H	2:308:A:ALA:HB3	3	0.12	0.0	0.12
(4,1795)	2:311:A:ALA:H	2:308:A:ALA:HB1	3	0.12	0.0	0.12
(3,328)	2:280:A:VAL:HG13	2:281:A:LEU:H	3	0.12	0.02	0.12
(3,328)	2:280:A:VAL:HG11	2:281:A:LEU:H	3	0.12	0.02	0.12
(4,718)	2:277:A:SER:HB3	2:341:A:LYS:HG3	3	0.12	0.03	0.1
(4,1038)	2:317:A:ARG:H	2:317:A:ARG:HD2	3	0.12	0.01	0.12
(4,2421)	2:307:A:SER:H	2:303:A:PRO:HA	3	0.12	0.01	0.12
(4,606)	2:281:A:LEU:HD13	2:336:A:ARG:H	3	0.11	0.01	0.11
(4,606)	2:281:A:LEU:HD11	2:336:A:ARG:H	3	0.11	0.01	0.11
(4,823)	2:292:A:ASN:H	2:290:A:ILE:HG22	3	0.11	0.01	0.11
(4,823)	2:292:A:ASN:H	2:290:A:ILE:HG21	3	0.11	0.01	0.11
(4,1166)	2:322:A:GLN:HG2	2:322:A:GLN:H	3	0.11	0.01	0.11
(4,3215)	2:312:A:VAL:HG12	2:308:A:ALA:HB2	3	0.11	0.01	0.11
(4,3215)	2:312:A:VAL:HG12	2:308:A:ALA:HB3	3	0.11	0.01	0.11
(4,3215)	2:312:A:VAL:HG13	2:308:A:ALA:HB3	3	0.11	0.01	0.11
(4,128)	2:234:A:ASP:HA	2:234:A:ASP:HB2	3	0.11	0.0	0.11
(4,3078)	2:326:A:ARG:HD2	2:326:A:ARG:HA	3	0.11	0.0	0.11
(4,4009)	2:335:A:GLN:HE21	2:334:A:ARG:HD3	3	0.11	0.0	0.11
(4,3311)	2:297:A:ARG:HD2	2:297:A:ARG:HB2	3	0.11	0.01	0.11
(4,3388)	2:346:A:SER:H	2:345:A:LEU:HB3	3	0.11	0.01	0.11
(4,3528)	2:347:A:LEU:HB2	2:273:A:ARG:HD3	3	0.11	0.0	0.11
(4,905)	2:265:A:GLN:HA	2:311:A:ALA:HA	3	0.11	0.01	0.1
(4,3583)	2:331:A:SER:HB3	2:331:A:SER:H	3	0.11	0.01	0.1
(4,980)	2:302:A:LYS:HA	2:305:A:ASP:HB3	3	0.1	0.0	0.1
(4,3900)	2:279:A:GLU:HB3	2:296:A:SER:HB3	2	0.82	0.11	0.82
(4,2628)	2:287:A:ASP:H	2:285:A:LEU:HD12	2	0.79	0.01	0.79
(4,2628)	2:287:A:ASP:H	2:285:A:LEU:HD11	2	0.79	0.01	0.79
(4,1756)	2:287:A:ASP:H	2:285:A:LEU:HD12	2	0.78	0.01	0.78
(4,1756)	2:287:A:ASP:H	2:285:A:LEU:HD11	2	0.78	0.01	0.78
(4,2073)	2:347:A:LEU:HD13	2:347:A:LEU:H	2	0.73	0.53	0.73
(4,2073)	2:347:A:LEU:HD12	2:347:A:LEU:H	2	0.73	0.53	0.73

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1329)	2:347:A:LEU:HD13	2:347:A:LEU:H	2	0.72	0.53	0.72
(4,1329)	2:347:A:LEU:HD12	2:347:A:LEU:H	2	0.72	0.53	0.72
(4,991)	2:244:A:ASP:HB2	2:245:A:GLU:H	2	0.71	0.05	0.71
(3,452)	2:242:A:LEU:HD12	2:243:A:ALA:H	2	0.62	0.22	0.62
(3,452)	2:242:A:LEU:HD11	2:243:A:ALA:H	2	0.62	0.22	0.62
(3,209)	2:242:A:LEU:HD12	2:243:A:ALA:H	2	0.62	0.21	0.62
(3,209)	2:242:A:LEU:HD11	2:243:A:ALA:H	2	0.62	0.21	0.62
(3,508)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	2	0.6	0.03	0.6
(4,2416)	2:230:A:GLU:HG2	2:230:A:GLU:H	2	0.58	0.12	0.58
(3,23)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	2	0.58	0.03	0.58
(4,1588)	2:230:A:GLU:HG2	2:230:A:GLU:H	2	0.57	0.12	0.57
(4,2070)	2:347:A:LEU:H	2:274:A:ASN:HD22	2	0.4	0.14	0.4
(4,4458)	1:10:B:ASN:HD22	1:12:B:ARG:H	2	0.39	0.1	0.39
(4,1326)	2:347:A:LEU:H	2:274:A:ASN:HD22	2	0.38	0.14	0.38
(4,1295)	1:10:B:ASN:HD22	1:12:B:ARG:H	2	0.36	0.1	0.36
(4,2374)	2:254:A:LEU:H	2:254:A:LEU:HD13	2	0.36	0.04	0.36
(4,2374)	2:254:A:LEU:H	2:254:A:LEU:HD12	2	0.36	0.04	0.36
(4,4404)	1:6:B:ILE:HD13	1:6:B:ILE:H	2	0.36	0.05	0.36
(4,1555)	2:254:A:LEU:H	2:254:A:LEU:HD13	2	0.35	0.04	0.35
(4,1555)	2:254:A:LEU:H	2:254:A:LEU:HD12	2	0.35	0.04	0.35
(4,1242)	1:6:B:ILE:HD13	1:6:B:ILE:H	2	0.33	0.06	0.33
(4,3768)	1:6:B:ILE:HA	2:259:A:VAL:HG13	2	0.31	0.05	0.31
(4,3768)	1:6:B:ILE:HA	2:259:A:VAL:HG12	2	0.31	0.05	0.31
(4,4319)	2:326:A:ARG:HD2	2:329:A:PHE:HD2	2	0.3	0.02	0.3
(3,101)	2:247:A:GLY:HA2	2:248:A:SER:H	2	0.3	0.09	0.3
(3,101)	2:247:A:GLY:HA3	2:248:A:SER:H	2	0.3	0.09	0.3
(4,3482)	2:250:A:VAL:HG21	2:251:A:THR:H	2	0.3	0.06	0.3
(4,3482)	2:250:A:VAL:HG22	2:251:A:THR:H	2	0.3	0.06	0.3
(4,1063)	2:272:A:ALA:HB2	2:345:A:LEU:HD11	2	0.27	0.02	0.27
(4,1063)	2:272:A:ALA:HB2	2:345:A:LEU:HD13	2	0.27	0.02	0.27
(4,2230)	1:1:B:ALA:HB1	2:251:A:THR:H	2	0.27	0.04	0.27
(4,1199)	2:326:A:ARG:HD2	2:329:A:PHE:HD2	2	0.26	0.02	0.26
(4,4350)	2:276:A:MET:HE3	2:304:A:PHE:HD1	2	0.26	0.04	0.26
(4,4350)	2:276:A:MET:HE1	2:304:A:PHE:HD1	2	0.26	0.04	0.26
(3,510)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	2	0.25	0.03	0.25
(4,3653)	2:280:A:VAL:H	2:279:A:GLU:HG3	2	0.25	0.0	0.25
(4,2696)	2:317:A:ARG:H	2:315:A:VAL:HG21	2	0.24	0.02	0.24
(4,3035)	2:249:A:GLU:HA	2:249:A:GLU:HB2	2	0.24	0.03	0.24
(3,593)	2:254:A:LEU:HD21	2:324:A:LEU:HG	2	0.24	0.06	0.24
(3,593)	2:254:A:LEU:HD22	2:324:A:LEU:HG	2	0.24	0.06	0.24
(3,468)	2:247:A:GLY:HA2	2:248:A:SER:H	2	0.23	0.09	0.23
(3,468)	2:247:A:GLY:HA3	2:248:A:SER:H	2	0.23	0.09	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,1220)	2:276:A:MET:HE3	2:304:A:PHE:HD1	2	0.23	0.05	0.23
(4,1220)	2:276:A:MET:HE1	2:304:A:PHE:HD1	2	0.23	0.05	0.23
(3,544)	2:254:A:LEU:HD21	2:324:A:LEU:HG	2	0.23	0.07	0.23
(3,544)	2:254:A:LEU:HD22	2:324:A:LEU:HG	2	0.23	0.07	0.23
(4,1814)	2:317:A:ARG:H	2:315:A:VAL:HG21	2	0.23	0.02	0.23
(4,4041)	2:249:A:GLU:HA	2:249:A:GLU:HG2	2	0.23	0.06	0.23
(4,350)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	2	0.22	0.01	0.22
(4,3468)	2:249:A:GLU:HA	2:249:A:GLU:HB2	2	0.22	0.03	0.22
(3,57)	2:254:A:LEU:HD21	2:324:A:LEU:HG	2	0.22	0.07	0.22
(3,57)	2:254:A:LEU:HD22	2:324:A:LEU:HG	2	0.22	0.07	0.22
(4,2865)	2:336:A:ARG:HD2	2:336:A:ARG:HA	2	0.22	0.04	0.22
(4,620)	2:332:A:LEU:HD12	2:332:A:LEU:H	2	0.21	0.1	0.21
(4,677)	2:280:A:VAL:H	2:279:A:GLU:HG3	2	0.21	0.0	0.21
(3,587)	2:304:A:PHE:HA	2:269:A:PRO:HB3	2	0.2	0.1	0.2
(4,68)	2:336:A:ARG:HD2	2:336:A:ARG:HA	2	0.2	0.04	0.2
(4,4030)	2:263:A:SER:HB2	2:264:A:GLN:H	2	0.2	0.02	0.2
(3,570)	2:321:A:MET:HB2	2:288:A:GLY:HA2	2	0.19	0.04	0.19
(4,3731)	2:274:A:ASN:H	2:274:A:ASN:HB3	2	0.18	0.05	0.18
(3,497)	2:237:A:GLU:HG2	2:237:A:GLU:HA	2	0.17	0.04	0.17
(4,2020)	2:315:A:VAL:HG12	2:261:A:LEU:HB2	2	0.16	0.01	0.16
(4,2020)	2:315:A:VAL:HG11	2:261:A:LEU:HB2	2	0.16	0.01	0.16
(3,13)	2:237:A:GLU:HG2	2:237:A:GLU:HA	2	0.16	0.04	0.16
(3,595)	1:3:B:PRO:HG3	2:337:A:ARG:HD2	2	0.16	0.03	0.16
(4,3569)	2:335:A:GLN:H	2:334:A:ARG:HB3	2	0.16	0.02	0.16
(4,979)	2:263:A:SER:HB2	2:264:A:GLN:H	2	0.16	0.02	0.16
(3,95)	2:321:A:MET:HB2	2:288:A:GLY:HA2	2	0.16	0.05	0.16
(4,1124)	2:315:A:VAL:HG11	2:316:A:GLY:H	2	0.15	0.02	0.15
(4,1124)	2:315:A:VAL:HG13	2:316:A:GLY:H	2	0.15	0.02	0.15
(3,270)	2:228:A:LEU:HA	2:228:A:LEU:H	2	0.15	0.02	0.15
(3,535)	1:3:B:PRO:HG3	2:337:A:ARG:HD2	2	0.15	0.03	0.15
(4,3432)	2:256:A:ASP:H	2:256:A:ASP:HB3	2	0.15	0.0	0.15
(4,3728)	2:275:A:GLY:H	2:274:A:ASN:HB3	2	0.15	0.0	0.15
(4,2369)	2:253:A:SER:HA	2:254:A:LEU:H	2	0.14	0.0	0.14
(4,3511)	2:251:A:THR:HG23	2:251:A:THR:H	2	0.14	0.0	0.14
(4,3511)	2:251:A:THR:HG22	2:251:A:THR:H	2	0.14	0.0	0.14
(4,4045)	2:250:A:VAL:HB	2:251:A:THR:HG22	2	0.14	0.02	0.14
(4,4045)	2:250:A:VAL:HB	2:251:A:THR:HG21	2	0.14	0.02	0.14
(3,525)	2:303:A:PRO:HD3	2:302:A:LYS:HB2	2	0.13	0.0	0.13
(4,546)	2:249:A:GLU:H	2:249:A:GLU:HB2	2	0.13	0.0	0.13
(4,1553)	2:253:A:SER:HA	2:254:A:LEU:H	2	0.13	0.0	0.13
(4,1647)	2:341:A:LYS:H	2:339:A:ILE:HG23	2	0.13	0.02	0.13
(4,2393)	2:236:A:THR:H	2:237:A:GLU:H	2	0.13	0.0	0.13

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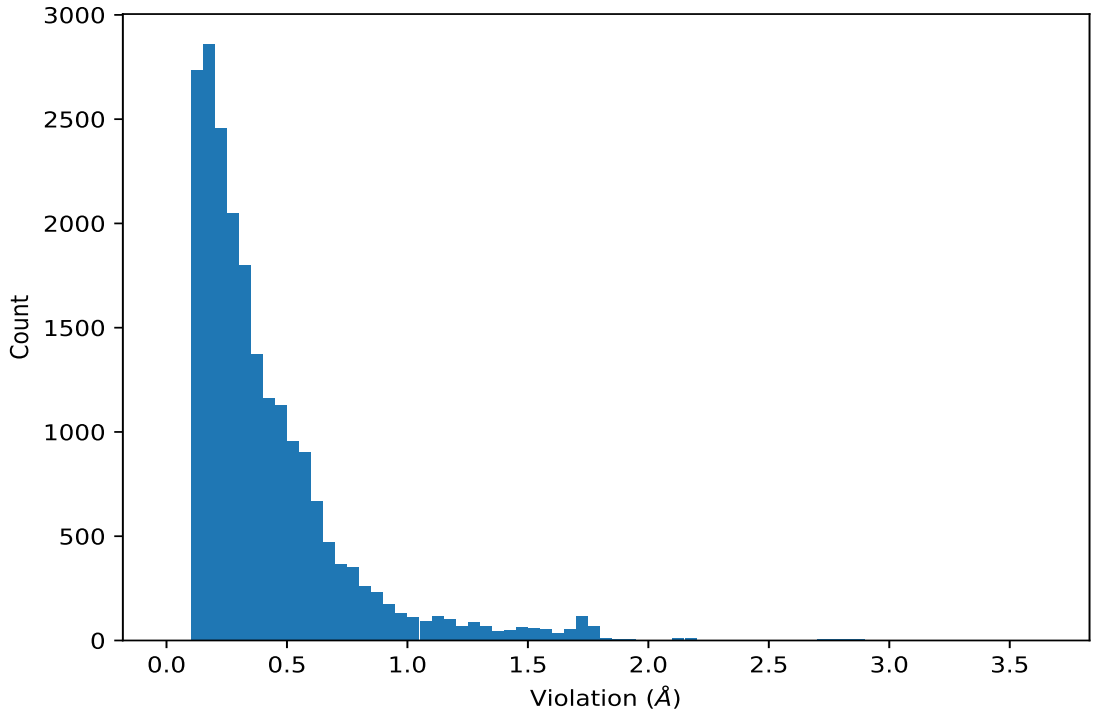
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(4,3221)	2:265:A:GLN:HG3	2:265:A:GLN:HA	2	0.13	0.02	0.13
(4,819)	2:316:A:GLY:HA3	2:316:A:GLY:H	2	0.12	0.01	0.12
(4,2320)	2:296:A:SER:HB3	2:297:A:ARG:H	2	0.12	0.02	0.12
(4,2840)	2:334:A:ARG:HG3	2:334:A:ARG:HA	2	0.12	0.01	0.12
(4,4434)	1:11:B:ASP:HB2	1:11:B:ASP:H	2	0.12	0.01	0.12
(4,453)	2:313:A:ARG:HA	2:312:A:VAL:HG21	2	0.12	0.02	0.12
(4,453)	2:313:A:ARG:HA	2:312:A:VAL:HG23	2	0.12	0.02	0.12
(1,1)	2:257:A:LEU:H	2:253:A:SER:O	2	0.12	0.01	0.12
(2,4)	2:337:A:ARG:O	1:4:B:LEU:H	2	0.12	0.01	0.12
(3,37)	2:303:A:PRO:HD3	2:302:A:LYS:HB2	2	0.12	0.0	0.12
(3,290)	2:240:A:GLN:HB3	2:241:A:ALA:H	2	0.12	0.0	0.12
(4,405)	2:250:A:VAL:HB	2:251:A:THR:HA	2	0.12	0.0	0.12
(4,1488)	2:275:A:GLY:H	2:276:A:MET:H	2	0.12	0.01	0.12
(4,1569)	2:236:A:THR:H	2:237:A:GLU:H	2	0.12	0.0	0.12
(4,1822)	2:323:A:GLN:H	2:323:A:GLN:HG3	2	0.12	0.01	0.12
(4,3254)	2:313:A:ARG:HD3	2:290:A:ILE:HG21	2	0.12	0.0	0.12
(4,3254)	2:313:A:ARG:HD3	2:290:A:ILE:HG23	2	0.12	0.0	0.12
(4,713)	2:277:A:SER:HB2	2:341:A:LYS:HA	2	0.12	0.02	0.12
(4,2273)	2:275:A:GLY:H	2:276:A:MET:H	2	0.12	0.02	0.12
(4,45)	2:334:A:ARG:HG3	2:334:A:ARG:HA	2	0.12	0.0	0.12
(4,515)	2:256:A:ASP:H	2:256:A:ASP:HB3	2	0.12	0.0	0.12
(4,1593)	2:307:A:SER:H	2:303:A:PRO:HA	2	0.12	0.0	0.12
(4,3613)	2:326:A:ARG:HG2	2:327:A:ALA:H	2	0.12	0.0	0.12
(4,393)	2:313:A:ARG:HD3	2:290:A:ILE:HG21	2	0.11	0.0	0.11
(4,393)	2:313:A:ARG:HD3	2:290:A:ILE:HG23	2	0.11	0.0	0.11
(4,568)	2:251:A:THR:HG23	2:251:A:THR:H	2	0.11	0.0	0.11
(4,568)	2:251:A:THR:HG22	2:251:A:THR:H	2	0.11	0.0	0.11
(4,834)	2:288:A:GLY:HA2	2:321:A:MET:H	2	0.11	0.0	0.11
(4,959)	2:334:A:ARG:HD3	2:330:A:ASP:HA	2	0.11	0.0	0.11
(4,1271)	1:11:B:ASP:HB2	1:11:B:ASP:H	2	0.11	0.01	0.11
(4,2090)	2:293:A:ALA:HA	2:281:A:LEU:H	2	0.11	0.0	0.11
(4,2167)	2:315:A:VAL:H	2:312:A:VAL:HA	2	0.11	0.01	0.11
(4,2340)	2:319:A:PRO:HB2	2:321:A:MET:H	2	0.11	0.01	0.11
(4,2512)	2:244:A:ASP:HB3	2:245:A:GLU:H	2	0.11	0.01	0.11
(4,4426)	1:10:B:ASN:HD22	1:10:B:ASN:HB3	2	0.11	0.0	0.11
(1,27)	2:315:A:VAL:H	2:311:A:ALA:O	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)
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG11	6	3.64
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG11	6	3.62
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG12	4	3.6
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG12	4	3.59
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	10	3.38
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	10	3.37
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	4	3.07
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	4	3.06
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	4	3.05
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	4	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	11	3.0
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	13	3.0
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	11	2.99
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	13	2.98
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	1	2.96
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	12	2.96
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	1	2.94
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	12	2.94
(4,3319)	2:285:A:LEU:HD23	2:289:A:THR:HB	2	2.9
(4,3319)	2:285:A:LEU:HD23	2:289:A:THR:HB	5	2.89
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	14	2.89
(4,431)	2:285:A:LEU:HD23	2:289:A:THR:HB	2	2.89
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	14	2.88
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG11	6	2.87
(4,431)	2:285:A:LEU:HD23	2:289:A:THR:HB	5	2.87
(4,338)	2:298:A:SER:HA	2:278:A:VAL:HG11	6	2.85
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	16	2.83
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	6	2.82
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	11	2.81
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	5	2.8
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	6	2.8
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG12	4	2.79
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	10	2.79
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	16	2.79
(4,338)	2:298:A:SER:HA	2:278:A:VAL:HG12	4	2.78
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	9	2.77
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	11	2.77
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	10	2.77
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	5	2.76
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	9	2.76
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	6	2.74
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	8	2.74
(4,2921)	2:347:A:LEU:HD12	2:346:A:SER:HB3	13	2.73
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	6	2.73
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	8	2.73
(4,122)	2:347:A:LEU:HD12	2:346:A:SER:HB3	13	2.72
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	7	2.7
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	7	2.69
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	18	2.68
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	18	2.67
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG13	10	2.6
(4,338)	2:298:A:SER:HA	2:278:A:VAL:HG13	10	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	7	2.57
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG11	2	2.56
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	7	2.56
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG11	2	2.54
(4,4227)	2:347:A:LEU:HD12	2:346:A:SER:HB3	13	2.43
(4,3238)	2:254:A:LEU:HD23	2:324:A:LEU:HD12	16	2.42
(4,379)	2:254:A:LEU:HD23	2:324:A:LEU:HD12	16	2.41
(4,3238)	2:254:A:LEU:HD21	2:324:A:LEU:HD12	11	2.34
(4,379)	2:254:A:LEU:HD21	2:324:A:LEU:HD12	11	2.33
(4,4381)	2:277:A:SER:HA	2:278:A:VAL:HG21	6	2.31
(4,1238)	2:277:A:SER:HA	2:278:A:VAL:HG21	6	2.27
(4,4381)	2:277:A:SER:HA	2:278:A:VAL:HG22	10	2.23
(4,2323)	2:278:A:VAL:HG13	2:297:A:ARG:H	4	2.23
(4,1532)	2:278:A:VAL:HG13	2:297:A:ARG:H	4	2.22
(4,4381)	2:277:A:SER:HA	2:278:A:VAL:HG23	4	2.19
(4,1238)	2:277:A:SER:HA	2:278:A:VAL:HG22	10	2.19
(4,3645)	2:324:A:LEU:HD23	2:325:A:PRO:HG2	16	2.18
(4,2323)	2:278:A:VAL:HG12	2:297:A:ARG:H	6	2.18
(4,3645)	2:324:A:LEU:HD22	2:325:A:PRO:HG2	11	2.16
(4,3238)	2:254:A:LEU:HD21	2:324:A:LEU:HD12	5	2.16
(4,1532)	2:278:A:VAL:HG12	2:297:A:ARG:H	6	2.16
(4,2800)	2:324:A:LEU:HD22	2:324:A:LEU:HA	11	2.15
(4,1238)	2:277:A:SER:HA	2:278:A:VAL:HG23	4	2.15
(4,379)	2:254:A:LEU:HD21	2:324:A:LEU:HD12	5	2.15
(4,670)	2:324:A:LEU:HD23	2:325:A:PRO:HG2	16	2.14
(4,7)	2:324:A:LEU:HD22	2:324:A:LEU:HA	11	2.14
(4,3645)	2:324:A:LEU:HD22	2:325:A:PRO:HG2	5	2.13
(4,2800)	2:324:A:LEU:HD22	2:324:A:LEU:HA	5	2.13
(4,2800)	2:324:A:LEU:HD23	2:324:A:LEU:HA	16	2.13
(4,2323)	2:278:A:VAL:HG11	2:297:A:ARG:H	10	2.12
(4,670)	2:324:A:LEU:HD22	2:325:A:PRO:HG2	11	2.12
(4,7)	2:324:A:LEU:HD23	2:324:A:LEU:HA	16	2.12
(4,1532)	2:278:A:VAL:HG11	2:297:A:ARG:H	10	2.11
(4,7)	2:324:A:LEU:HD22	2:324:A:LEU:HA	5	2.11
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	13	2.1
(4,670)	2:324:A:LEU:HD22	2:325:A:PRO:HG2	5	2.09
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	13	2.09
(4,3071)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	11	2.08
(4,252)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	11	2.06
(4,3071)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	16	2.03
(4,252)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	16	2.02
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	11	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	11	1.97
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	15	1.93
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG11	18	1.93
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG11	18	1.92
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	8	1.9
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	15	1.9
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	3	1.88
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	8	1.88
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	7	1.87
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	3	1.87
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	18	1.86
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	18	1.85
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	7	1.85
(4,3071)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	5	1.84
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG11	7	1.84
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	6	1.83
(4,252)	2:324:A:LEU:HD12	2:333:A:TYR:HE2	5	1.83
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	15	1.82
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	18	1.82
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG11	7	1.82
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	15	1.81
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	15	1.81
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	19	1.8
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	12	1.79
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	13	1.79
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	20	1.78
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	17	1.78
(4,3157)	2:299:A:SER:HB3	2:276:A:MET:HG3	10	1.78
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	3	1.78
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	19	1.78
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	6	1.78
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	12	1.78
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	10	1.78
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	15	1.78
(4,18)	2:324:A:LEU:HD11	2:325:A:PRO:HD3	6	1.78
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	15	1.78
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	8	1.77
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	18	1.77
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	4	1.77
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	18	1.77
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	19	1.77
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	3	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	4	1.77
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	8	1.77
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	9	1.77
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	17	1.77
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	18	1.77
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	6	1.76
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG11	10	1.76
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	4	1.76
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	11	1.76
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	9	1.76
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	11	1.76
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	14	1.76
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	16	1.76
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	15	1.76
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	16	1.76
(4,3157)	2:299:A:SER:HB3	2:276:A:MET:HG3	9	1.76
(4,3157)	2:299:A:SER:HB3	2:276:A:MET:HG3	16	1.76
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	9	1.76
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	2	1.76
(4,1188)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	11	1.76
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	16	1.76
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	19	1.76
(4,319)	2:299:A:SER:HB3	2:276:A:MET:HG3	10	1.76
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	3	1.76
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	2	1.76
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	19	1.76
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	18	1.75
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	2	1.75
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	13	1.75
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	1	1.75
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	10	1.75
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	13	1.75
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	19	1.75
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	7	1.75
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	9	1.75
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	10	1.75
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	12	1.75
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	18	1.75
(4,3157)	2:299:A:SER:HB3	2:276:A:MET:HG3	17	1.75
(4,3134)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	5	1.75
(4,2918)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	5	1.75
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	19	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	19	1.75
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	4	1.75
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	1	1.75
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	10	1.75
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	12	1.75
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	14	1.75
(4,18)	2:324:A:LEU:HD12	2:325:A:PRO:HD3	15	1.75
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	1	1.74
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	3	1.74
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	12	1.74
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	5	1.74
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	7	1.74
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	12	1.74
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	15	1.74
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	2	1.74
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	3	1.74
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	5	1.74
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	8	1.74
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	14	1.74
(4,2918)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	7	1.74
(4,2918)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	18	1.74
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	9	1.74
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	20	1.74
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	17	1.74
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	9	1.74
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	12	1.74
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	15	1.74
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	16	1.74
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	18	1.74
(4,319)	2:299:A:SER:HB3	2:276:A:MET:HG3	9	1.74
(4,319)	2:299:A:SER:HB3	2:276:A:MET:HG3	16	1.74
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	3	1.74
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	20	1.74
(4,18)	2:324:A:LEU:HD11	2:325:A:PRO:HD3	7	1.74
(4,18)	2:324:A:LEU:HD13	2:325:A:PRO:HD3	20	1.74
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	4	1.73
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	20	1.73
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	1	1.73
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	6	1.73
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	11	1.73
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	13	1.73
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	17	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	19	1.73
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	20	1.73
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	17	1.73
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	8	1.73
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG11	10	1.73
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	8	1.73
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	14	1.73
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	16	1.73
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	18	1.73
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	5	1.73
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	7	1.73
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	10	1.73
(4,319)	2:299:A:SER:HB3	2:276:A:MET:HG3	17	1.73
(4,303)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	5	1.73
(4,118)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	5	1.73
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	15	1.73
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	9	1.72
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	2	1.72
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	3	1.72
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	4	1.72
(4,3940)	2:264:A:GLN:H	2:265:A:GLN:HB3	6	1.72
(4,3288)	2:304:A:PHE:HA	2:303:A:PRO:HB3	4	1.72
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	3	1.72
(4,2814)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	20	1.72
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	10	1.72
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	4	1.72
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	11	1.72
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	9	1.72
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	11	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	2	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	3	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	8	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	13	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	14	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	17	1.72
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	20	1.72
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	10	1.72
(4,118)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	7	1.72
(4,118)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	18	1.72
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	5	1.72
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	7	1.71
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG12	6	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	10	1.71
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	16	1.71
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	20	1.71
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	12	1.71
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	2	1.71
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	16	1.71
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	9	1.71
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	13	1.71
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	17	1.71
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	2	1.71
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	13	1.71
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	1	1.71
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	10	1.71
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	12	1.71
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	13	1.71
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	19	1.71
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	1	1.71
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	6	1.71
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	11	1.71
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	19	1.71
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	17	1.71
(4,3134)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	8	1.7
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	15	1.7
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	20	1.7
(4,2028)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	11	1.7
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	19	1.7
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	12	1.7
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG13	4	1.7
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	1	1.7
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	3	1.7
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	12	1.7
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	5	1.7
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	7	1.7
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	15	1.7
(4,413)	2:304:A:PHE:HA	2:303:A:PRO:HB3	4	1.7
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	12	1.7
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	3	1.7
(4,21)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	20	1.7
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	8	1.69
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	13	1.69
(4,1188)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	1	1.69
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	20	1.69
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	20	1.69
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	18	1.68
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	5	1.68
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	3	1.68
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	7	1.68
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	13	1.68
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	17	1.68
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	8	1.68
(4,1188)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	4	1.68
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	20	1.68
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG12	6	1.68
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	9	1.68
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	10	1.68
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	2	1.68
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	3	1.68
(4,904)	2:264:A:GLN:H	2:265:A:GLN:HB3	6	1.68
(4,303)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	8	1.68
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	15	1.68
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	20	1.68
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	5	1.68
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	8	1.67
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	2	1.67
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	11	1.67
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	19	1.67
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	16	1.67
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	17	1.67
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	13	1.67
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	7	1.67
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	13	1.67
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	6	1.66
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	14	1.66
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	19	1.66
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	1	1.66
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	9	1.66
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	2	1.66
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	9	1.66
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	13	1.66
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	17	1.66
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	3	1.66
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	20	1.66
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	5	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	3	1.66
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	17	1.66
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	19	1.65
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	12	1.65
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	8	1.65
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	1	1.65
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	8	1.65
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	2	1.65
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	11	1.65
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	16	1.64
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	17	1.64
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	1	1.64
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	10	1.64
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	10	1.64
(4,1188)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	3	1.64
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	5	1.64
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	9	1.64
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	2	1.64
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	14	1.64
(4,2028)	2:339:A:ILE:HD11	2:279:A:GLU:HG2	1	1.63
(4,2028)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	4	1.63
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	20	1.63
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	19	1.63
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	19	1.63
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	16	1.63
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	1	1.63
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	5	1.62
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	10	1.62
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	18	1.62
(4,2814)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	6	1.62
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	14	1.62
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	17	1.62
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	10	1.62
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	2	1.61
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	6	1.61
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	15	1.61
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	16	1.61
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	7	1.6
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	4	1.6
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	5	1.6
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	5	1.6
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	10	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	16	1.6
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	18	1.6
(4,21)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	6	1.6
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	14	1.6
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	2	1.59
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	20	1.59
(4,2936)	2:284:A:MET:HA	2:285:A:LEU:HB2	19	1.59
(4,2028)	2:339:A:ILE:HD13	2:279:A:GLU:HG2	3	1.59
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	17	1.59
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	2	1.59
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	6	1.59
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	15	1.59
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	12	1.58
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	15	1.58
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	16	1.58
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	18	1.58
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	15	1.58
(4,2936)	2:284:A:MET:HA	2:285:A:LEU:HB2	3	1.58
(4,2936)	2:284:A:MET:HA	2:285:A:LEU:HB2	20	1.58
(4,2814)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	4	1.58
(4,2814)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	8	1.58
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	8	1.58
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	4	1.58
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	8	1.58
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	13	1.57
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	15	1.57
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	7	1.57
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	9	1.57
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	10	1.57
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	7	1.57
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	15	1.56
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	3	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	2	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	3	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	5	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	8	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	13	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	14	1.56
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	20	1.56
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	1	1.56
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	16	1.56
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	13	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	18	1.56
(4,2936)	2:284:A:MET:HA	2:285:A:LEU:HB2	10	1.56
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	8	1.56
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	15	1.56
(4,21)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	4	1.56
(4,21)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	8	1.56
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	8	1.55
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	1	1.55
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	6	1.55
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	11	1.55
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	17	1.55
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	19	1.55
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	17	1.55
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	12	1.55
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	17	1.55
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	1	1.54
(4,4185)	2:304:A:PHE:HA	2:303:A:PRO:HB3	4	1.54
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	18	1.54
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	19	1.54
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	2	1.54
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	13	1.54
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	18	1.54
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	10	1.53
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	17	1.53
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	5	1.53
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	8	1.53
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	14	1.53
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	18	1.53
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	1	1.53
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	16	1.53
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	16	1.53
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	12	1.53
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	17	1.53
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	8	1.53
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	16	1.52
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	17	1.52
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	2	1.52
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	6	1.52
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	7	1.52
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	9	1.52
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	15	1.52
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	3	1.52
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	4	1.52
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	7	1.52
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	5	1.52
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	1	1.52
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	2	1.52
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	4	1.51
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	4	1.51
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	4	1.51
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	10	1.51
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	12	1.51
(4,2936)	2:284:A:MET:HA	2:285:A:LEU:HB2	17	1.51
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	10	1.51
(4,2814)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	1	1.51
(4,2814)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	7	1.51
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	17	1.51
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	19	1.51
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	1	1.51
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	16	1.51
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	5	1.51
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	5	1.5
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE1	18	1.5
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	3	1.5
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	11	1.5
(4,2814)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	9	1.5
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	17	1.5
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	18	1.5
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	8	1.5
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	14	1.5
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	3	1.5
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	7	1.5
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	13	1.49
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	15	1.49
(4,3369)	2:308:A:ALA:HA	2:266:A:TRP:HB3	13	1.49
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	9	1.49
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	11	1.49
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	20	1.49
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	10	1.49
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	14	1.49
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	17	1.49
(4,2658)	2:301:A:ASP:H	2:302:A:LYS:HG2	20	1.49
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	5	1.49
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	7	1.49
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	18	1.49
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	20	1.49
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	4	1.49
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	10	1.49
(4,21)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	1	1.49
(4,21)	2:324:A:LEU:HD11	2:329:A:PHE:HB3	7	1.49
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	12	1.48
(4,4217)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	14	1.48
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	2	1.48
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	4	1.48
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	6	1.48
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	9	1.48
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	15	1.48
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	10	1.48
(4,21)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	9	1.48
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	4	1.47
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	3	1.47
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	7	1.47
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	8	1.47
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	7	1.47
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	1	1.47
(4,2658)	2:301:A:ASP:H	2:302:A:LYS:HG2	10	1.47
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	9	1.47
(4,1782)	2:301:A:ASP:H	2:302:A:LYS:HG2	20	1.47
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	4	1.47
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	3	1.47
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	10	1.47
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	11	1.47
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	12	1.47
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	11	1.47
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	20	1.47
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	14	1.47
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	17	1.47
(4,4217)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	20	1.46
(4,2907)	2:340:A:PHE:HB2	2:278:A:VAL:HG23	4	1.46
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	12	1.46
(4,1782)	2:301:A:ASP:H	2:302:A:LYS:HG2	10	1.46
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	9	1.46
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	5	1.46
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE1	18	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	9	1.46
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	15	1.46
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	1	1.46
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG11	12	1.45
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	2	1.45
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	13	1.45
(4,462)	2:308:A:ALA:HA	2:266:A:TRP:HB3	13	1.45
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	3	1.45
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	16	1.45
(4,109)	2:340:A:PHE:HB2	2:278:A:VAL:HG23	4	1.45
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	6	1.44
(4,4217)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	17	1.44
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	10	1.44
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG11	12	1.44
(4,1128)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	14	1.44
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	15	1.44
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	17	1.44
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	20	1.44
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	12	1.44
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	18	1.43
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	19	1.43
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	8	1.43
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	12	1.43
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	10	1.43
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	9	1.42
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE3	6	1.42
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	19	1.42
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	2	1.42
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	3	1.42
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	7	1.42
(4,1128)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	20	1.42
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	19	1.42
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	2	1.41
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG11	6	1.41
(4,4217)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	1	1.41
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	19	1.41
(4,2658)	2:301:A:ASP:H	2:302:A:LYS:HG2	12	1.41
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	19	1.41
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	15	1.41
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	2	1.41
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	18	1.41
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4415)	1:5:B:VAL:HG23	1:5:B:VAL:H	12	1.4
(4,4217)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	11	1.4
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	16	1.4
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	9	1.4
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	3	1.4
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	12	1.4
(4,2814)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	15	1.4
(4,2630)	2:287:A:ASP:H	2:285:A:LEU:HB3	17	1.4
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	3	1.4
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	16	1.4
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	17	1.4
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	19	1.4
(4,1400)	2:315:A:VAL:H	2:265:A:GLN:HG2	15	1.4
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	2	1.4
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	6	1.4
(4,1128)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	17	1.4
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	19	1.4
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	19	1.4
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	15	1.4
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	10	1.39
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	20	1.39
(4,1782)	2:301:A:ASP:H	2:302:A:LYS:HG2	12	1.39
(4,1759)	2:287:A:ASP:H	2:285:A:LEU:HB3	17	1.39
(4,1252)	1:5:B:VAL:HG23	1:5:B:VAL:H	12	1.39
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG11	6	1.39
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	3	1.39
(4,21)	2:324:A:LEU:HD12	2:329:A:PHE:HB3	15	1.39
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	3	1.39
(4,4415)	1:5:B:VAL:HG21	1:5:B:VAL:H	2	1.38
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	19	1.38
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	16	1.38
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	20	1.38
(4,2814)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	13	1.38
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE3	6	1.38
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	12	1.38
(4,4226)	2:347:A:LEU:HB3	2:346:A:SER:HB3	10	1.37
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE1	19	1.37
(4,1188)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	14	1.37
(4,1128)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	1	1.37
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	9	1.37
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	10	1.37
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	3	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	9	1.36
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	18	1.36
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	15	1.36
(4,1922)	2:315:A:VAL:H	2:265:A:GLN:HG2	15	1.36
(4,1252)	1:5:B:VAL:HG21	1:5:B:VAL:H	2	1.36
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	16	1.36
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	9	1.36
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	16	1.36
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	20	1.36
(4,21)	2:324:A:LEU:HD13	2:329:A:PHE:HB3	13	1.36
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	6	1.36
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	10	1.36
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	12	1.36
(4,4217)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	18	1.35
(4,4217)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	19	1.35
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	1	1.35
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	16	1.35
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE2	14	1.35
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	7	1.35
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	18	1.35
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	15	1.35
(4,1128)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	11	1.35
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	7	1.35
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	12	1.34
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	17	1.34
(4,3319)	2:285:A:LEU:HD22	2:289:A:THR:HB	10	1.34
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	16	1.34
(4,1400)	2:315:A:VAL:H	2:265:A:GLN:HG2	5	1.34
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	3	1.34
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	9	1.34
(4,4415)	1:5:B:VAL:HG21	1:5:B:VAL:H	6	1.33
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	4	1.33
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	14	1.33
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	13	1.33
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	7	1.33
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE1	19	1.33
(4,431)	2:285:A:LEU:HD22	2:289:A:THR:HB	10	1.33
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	3	1.33
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	15	1.33
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	19	1.33
(4,3893)	2:298:A:SER:HA	2:278:A:VAL:HG11	6	1.32
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	14	1.32
(4,2907)	2:340:A:PHE:HB2	2:278:A:VAL:HG23	10	1.32
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	18	1.32
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	12	1.32
(4,2028)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	14	1.32
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	16	1.32
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	4	1.32
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	20	1.32
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	6	1.31
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	5	1.31
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE1	5	1.31
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE1	13	1.31
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	15	1.31
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	10	1.31
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	19	1.31
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	2	1.31
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	10	1.31
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	14	1.31
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	13	1.31
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	12	1.31
(4,1252)	1:5:B:VAL:HG21	1:5:B:VAL:H	6	1.31
(4,1128)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	18	1.31
(4,1128)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	19	1.31
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	1	1.31
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	16	1.31
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	17	1.31
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE2	14	1.31
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	14	1.31
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	18	1.31
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	11	1.31
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	18	1.3
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE3	8	1.3
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	6	1.3
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	20	1.3
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	8	1.3
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	12	1.3
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	14	1.3
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	16	1.3
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	20	1.3
(4,1922)	2:315:A:VAL:H	2:265:A:GLN:HG2	5	1.3
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	2	1.3
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	10	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	14	1.3
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	4	1.3
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	12	1.3
(4,109)	2:340:A:PHE:HB2	2:278:A:VAL:HG23	10	1.3
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	19	1.3
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	6	1.3
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	10	1.3
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	12	1.3
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	5	1.3
(3,130)	2:284:A:MET:HE2	2:336:A:ARG:H	1	1.3
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	12	1.29
(4,4127)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	6	1.29
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	17	1.29
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	15	1.29
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	11	1.29
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	15	1.29
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	8	1.29
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	14	1.29
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	16	1.29
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	20	1.29
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	10	1.29
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	20	1.29
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	7	1.29
(3,130)	2:284:A:MET:HE1	2:336:A:ARG:H	12	1.29
(3,122)	2:320:A:GLU:HA	2:257:A:LEU:HD12	5	1.29
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	12	1.28
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	2	1.28
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	8	1.28
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	19	1.28
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	1	1.28
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	7	1.28
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	16	1.28
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	6	1.28
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	19	1.28
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	3	1.28
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	18	1.28
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	19	1.28
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	11	1.28
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	12	1.28
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	15	1.28
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	6	1.28
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	14	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	6	1.28
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	15	1.28
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	17	1.28
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	11	1.27
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	4	1.27
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	8	1.27
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	1	1.27
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	9	1.27
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	3	1.27
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	19	1.27
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	5	1.27
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE1	5	1.27
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE1	13	1.27
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	15	1.27
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	6	1.27
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	17	1.27
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	19	1.27
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	1	1.27
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	2	1.27
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	18	1.27
(3,130)	2:284:A:MET:HE1	2:290:A:ILE:H	15	1.27
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE1	7	1.26
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE3	11	1.26
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	20	1.26
(4,2917)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	7	1.26
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	5	1.26
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	5	1.26
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	6	1.26
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	3	1.26
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	20	1.26
(4,2073)	2:347:A:LEU:HD12	2:347:A:LEU:H	13	1.26
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	1	1.26
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	9	1.26
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	18	1.26
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	18	1.26
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE3	8	1.26
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	19	1.26
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	4	1.26
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	20	1.26
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	13	1.26
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	14	1.26
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	19	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3893)	2:298:A:SER:HA	2:278:A:VAL:HG12	4	1.25
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	15	1.25
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	7	1.25
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	10	1.25
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	17	1.25
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	6	1.25
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	20	1.25
(4,1329)	2:347:A:LEU:HD12	2:347:A:LEU:H	13	1.25
(4,1054)	2:275:A:GLY:HA2	2:342:A:PRO:HB3	6	1.25
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	4	1.25
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	8	1.25
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	5	1.25
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	11	1.25
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	8	1.25
(3,12)	2:284:A:MET:HE2	2:336:A:ARG:HB2	11	1.25
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	8	1.24
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	20	1.24
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE3	20	1.24
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	11	1.24
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	9	1.24
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	10	1.24
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	4	1.24
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	5	1.24
(4,2722)	2:332:A:LEU:HB3	2:331:A:SER:H	17	1.24
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	1	1.24
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	3	1.24
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	17	1.24
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	2	1.24
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	8	1.24
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	19	1.24
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	1	1.24
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	7	1.24
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	20	1.24
(4,117)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	7	1.24
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	5	1.24
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	5	1.24
(3,130)	2:284:A:MET:HE1	2:290:A:ILE:H	4	1.24
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	4	1.23
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	10	1.23
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE3	12	1.23
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE1	15	1.23
(4,3319)	2:285:A:LEU:HD23	2:289:A:THR:HB	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2907)	2:340:A:PHE:HB2	2:278:A:VAL:HG21	6	1.23
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	4	1.23
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	5	1.23
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	7	1.23
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	10	1.23
(4,1836)	2:332:A:LEU:HB3	2:331:A:SER:H	17	1.23
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	1	1.23
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	11	1.23
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	16	1.23
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	16	1.23
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE2	2	1.22
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	13	1.22
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	8	1.22
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE1	7	1.22
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE3	11	1.22
(4,431)	2:285:A:LEU:HD23	2:289:A:THR:HB	3	1.22
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	9	1.22
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	10	1.22
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	17	1.22
(3,256)	2:312:A:VAL:H	2:313:A:ARG:HG3	9	1.22
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB1	18	1.21
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	13	1.21
(4,2569)	2:242:A:LEU:H	2:242:A:LEU:HB3	6	1.21
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	15	1.21
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE3	20	1.21
(4,109)	2:340:A:PHE:HB2	2:278:A:VAL:HG21	6	1.21
(3,404)	2:284:A:MET:HE2	2:336:A:ARG:H	1	1.21
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	1	1.21
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	2	1.21
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	18	1.21
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	5	1.21
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	2	1.2
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	15	1.2
(4,1706)	2:242:A:LEU:H	2:242:A:LEU:HB3	6	1.2
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	20	1.2
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE1	15	1.2
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	3	1.2
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	17	1.2
(3,404)	2:284:A:MET:HE1	2:336:A:ARG:H	12	1.2
(3,401)	2:320:A:GLU:HA	2:257:A:LEU:HD12	5	1.2
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	13	1.2
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,130)	2:284:A:MET:HE2	2:290:A:ILE:H	17	1.2
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	13	1.19
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	18	1.19
(4,2917)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	18	1.19
(4,2871)	2:254:A:LEU:HB3	2:251:A:THR:HA	8	1.19
(4,2241)	2:277:A:SER:H	2:276:A:MET:HG3	3	1.19
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG23	10	1.19
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE3	12	1.19
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	11	1.19
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	13	1.19
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	1	1.19
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	4	1.19
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	8	1.19
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	10	1.19
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	15	1.19
(3,354)	2:284:A:MET:HE2	2:336:A:ARG:HB2	11	1.19
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	8	1.19
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	14	1.19
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	3	1.19
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	17	1.19
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	18	1.19
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	13	1.18
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB2	17	1.18
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE1	1	1.18
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	17	1.18
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	12	1.18
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	1	1.18
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	6	1.18
(4,1460)	2:277:A:SER:H	2:276:A:MET:HG3	3	1.18
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE2	2	1.18
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	13	1.18
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	8	1.18
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	15	1.18
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	4	1.18
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD11	11	1.18
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	6	1.18
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	11	1.18
(3,404)	2:284:A:MET:HE1	2:290:A:ILE:H	15	1.18
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	1	1.18
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	4	1.18
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	8	1.18
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	15	1.18
(3,130)	2:284:A:MET:HE2	2:336:A:ARG:H	9	1.18
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	6	1.17
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	1	1.17
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	3	1.17
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	4	1.17
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	9	1.17
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	3	1.17
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	6	1.17
(4,1400)	2:315:A:VAL:H	2:265:A:GLN:HG2	8	1.17
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	12	1.17
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	18	1.17
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	1	1.17
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	1	1.17
(4,117)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	18	1.17
(4,74)	2:254:A:LEU:HB3	2:251:A:THR:HA	8	1.17
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	5	1.17
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	18	1.17
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	19	1.17
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	20	1.17
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	16	1.17
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	6	1.17
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	11	1.17
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	3	1.16
(4,3839)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	7	1.16
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG22	9	1.16
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB1	18	1.16
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	1	1.16
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	9	1.16
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	7	1.16
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	12	1.16
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	13	1.16
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG13	14	1.16
(3,300)	2:312:A:VAL:H	2:313:A:ARG:HG3	9	1.16
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	5	1.16
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	18	1.16
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	19	1.16
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	20	1.16
(4,3969)	2:338:A:ILE:HG22	2:311:A:ALA:HB3	15	1.15
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	4	1.15
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	12	1.15
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG21	18	1.15
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	5	1.15
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	19	1.15
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	20	1.15
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	11	1.15
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	14	1.15
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	18	1.15
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	3	1.15
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	13	1.15
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	2	1.15
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	3	1.15
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	4	1.15
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	2	1.15
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD11	12	1.15
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	14	1.15
(3,532)	2:246:A:VAL:HG11	2:247:A:GLY:HA2	18	1.15
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG11	2	1.15
(3,404)	2:284:A:MET:HE1	2:290:A:ILE:H	4	1.15
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	7	1.15
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	12	1.15
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	13	1.15
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG13	14	1.15
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	16	1.14
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB3	6	1.14
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	12	1.14
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	1	1.14
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	13	1.14
(4,2957)	2:284:A:MET:HE2	2:336:A:ARG:HB2	11	1.14
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	16	1.14
(4,2241)	2:277:A:SER:H	2:276:A:MET:HG3	9	1.14
(4,2241)	2:277:A:SER:H	2:276:A:MET:HG3	16	1.14
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	18	1.14
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB2	17	1.14
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE1	1	1.14
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	17	1.14
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	5	1.14
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	13	1.14
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	1	1.14
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	16	1.14
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	9	1.14
(3,475)	2:311:A:ALA:H	2:309:A:VAL:HG12	16	1.14
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG11	2	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4256)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	8	1.13
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	14	1.13
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	10	1.13
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	7	1.13
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	8	1.13
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	17	1.13
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	2	1.13
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	9	1.13
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	17	1.13
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	16	1.13
(4,1460)	2:277:A:SER:H	2:276:A:MET:HG3	9	1.13
(4,1460)	2:277:A:SER:H	2:276:A:MET:HG3	16	1.13
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG22	3	1.13
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	19	1.13
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	20	1.13
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	11	1.13
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	14	1.13
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	3	1.13
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	8	1.13
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	16	1.13
(3,44)	2:246:A:VAL:HG11	2:247:A:GLY:HA2	18	1.13
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	1	1.13
(4,3969)	2:338:A:ILE:HG22	2:311:A:ALA:HB3	5	1.12
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	20	1.12
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	11	1.12
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	15	1.12
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	12	1.12
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	13	1.12
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	4	1.12
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	4	1.12
(4,1922)	2:315:A:VAL:H	2:265:A:GLN:HG2	8	1.12
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	17	1.12
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	16	1.12
(4,818)	2:316:A:GLY:HA3	2:290:A:ILE:HG21	7	1.12
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	6	1.12
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG22	9	1.12
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	7	1.12
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	8	1.12
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	13	1.12
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	17	1.12
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	6	1.12
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	9	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,151)	2:284:A:MET:HE2	2:336:A:ARG:HB2	11	1.12
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	11	1.12
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	15	1.12
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	5	1.12
(3,255)	2:311:A:ALA:H	2:309:A:VAL:HG12	9	1.12
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	16	1.12
(4,4414)	1:5:B:VAL:HG23	1:5:B:VAL:H	12	1.11
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	1	1.11
(4,3969)	2:338:A:ILE:HG22	2:311:A:ALA:HB2	9	1.11
(4,3742)	2:272:A:ALA:HB3	2:276:A:MET:HE2	4	1.11
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	8	1.11
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	6	1.11
(4,2630)	2:287:A:ASP:H	2:285:A:LEU:HB3	3	1.11
(4,2084)	2:279:A:GLU:H	2:278:A:VAL:HG11	10	1.11
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	4	1.11
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	12	1.11
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	15	1.11
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	1	1.11
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	11	1.11
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	5	1.11
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	12	1.11
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	13	1.11
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	2	1.11
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	9	1.11
(3,404)	2:284:A:MET:HE2	2:290:A:ILE:H	17	1.11
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	8	1.11
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	3	1.11
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	8	1.11
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	4	1.1
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	7	1.1
(4,3969)	2:338:A:ILE:HG22	2:311:A:ALA:HB2	8	1.1
(4,3969)	2:338:A:ILE:HG21	2:311:A:ALA:HB3	19	1.1
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG22	8	1.1
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	20	1.1
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	2	1.1
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	10	1.1
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	16	1.1
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	11	1.1
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	20	1.1
(4,2630)	2:287:A:ASP:H	2:285:A:LEU:HB3	20	1.1
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	11	1.1
(4,1759)	2:287:A:ASP:H	2:285:A:LEU:HB3	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB3	6	1.1
(4,928)	2:338:A:ILE:HG22	2:311:A:ALA:HB3	15	1.1
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	4	1.1
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG21	18	1.1
(4,341)	2:279:A:GLU:HB3	2:296:A:SER:HB3	15	1.1
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	4	1.1
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	6	1.1
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	2	1.1
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	13	1.1
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	18	1.1
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	11	1.1
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	15	1.1
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	9	1.09
(4,4414)	1:5:B:VAL:HG21	1:5:B:VAL:H	2	1.09
(4,4256)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	2	1.09
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	9	1.09
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	16	1.09
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	16	1.09
(4,2630)	2:287:A:ASP:H	2:285:A:LEU:HB3	10	1.09
(4,2630)	2:287:A:ASP:H	2:285:A:LEU:HB3	19	1.09
(4,1759)	2:287:A:ASP:H	2:285:A:LEU:HB3	20	1.09
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	11	1.09
(4,1400)	2:315:A:VAL:H	2:265:A:GLN:HG2	14	1.09
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	16	1.09
(4,1156)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	8	1.09
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	12	1.09
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	14	1.09
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG23	10	1.09
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	2	1.09
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	10	1.09
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	11	1.09
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	2	1.09
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	2	1.08
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	11	1.08
(4,3669)	2:280:A:VAL:HG12	2:338:A:ILE:HG21	19	1.08
(4,3070)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	11	1.08
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	5	1.08
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	12	1.08
(4,2617)	2:278:A:VAL:H	2:278:A:VAL:HG21	6	1.08
(4,2084)	2:279:A:GLU:H	2:278:A:VAL:HG13	4	1.08
(4,1759)	2:287:A:ASP:H	2:285:A:LEU:HB3	10	1.08
(4,1759)	2:287:A:ASP:H	2:285:A:LEU:HB3	19	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,928)	2:338:A:ILE:HG22	2:311:A:ALA:HB3	5	1.08
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	16	1.08
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	18	1.08
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	8	1.08
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	20	1.08
(3,404)	2:284:A:MET:HE2	2:336:A:ARG:H	9	1.08
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	3	1.08
(3,122)	2:320:A:GLU:HA	2:257:A:LEU:HD12	1	1.08
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	15	1.07
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	13	1.07
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	6	1.07
(4,3157)	2:299:A:SER:HB3	2:276:A:MET:HG3	3	1.07
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	1	1.07
(4,2241)	2:277:A:SER:H	2:276:A:MET:HG3	10	1.07
(4,1747)	2:278:A:VAL:H	2:278:A:VAL:HG21	6	1.07
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	20	1.07
(4,741)	2:272:A:ALA:HB3	2:276:A:MET:HE2	4	1.07
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD11	8	1.07
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	1	1.06
(4,4260)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	5	1.06
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	3	1.06
(4,3893)	2:298:A:SER:HA	2:278:A:VAL:HG13	10	1.06
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	14	1.06
(4,3484)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	2	1.06
(4,3243)	2:310:A:ALA:HA	2:313:A:ARG:HB3	14	1.06
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	14	1.06
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	11	1.06
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	1	1.06
(4,1460)	2:277:A:SER:H	2:276:A:MET:HG3	10	1.06
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	1	1.06
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB2	4	1.06
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	7	1.06
(4,928)	2:338:A:ILE:HG22	2:311:A:ALA:HB2	8	1.06
(4,928)	2:338:A:ILE:HG22	2:311:A:ALA:HB2	9	1.06
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG22	8	1.06
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG21	20	1.06
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	16	1.06
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	7	1.06
(4,251)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	11	1.06
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	5	1.06
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	12	1.06
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB2	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	1	1.06
(4,4352)	2:276:A:MET:HE3	2:276:A:MET:HG3	16	1.05
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	12	1.05
(4,4256)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	13	1.05
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	8	1.05
(4,3969)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	10	1.05
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	5	1.05
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	13	1.05
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	20	1.05
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	7	1.05
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	17	1.05
(4,2084)	2:279:A:GLU:H	2:278:A:VAL:HG12	6	1.05
(4,1922)	2:315:A:VAL:H	2:265:A:GLN:HG2	14	1.05
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	1	1.05
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	16	1.05
(4,928)	2:338:A:ILE:HG21	2:311:A:ALA:HB3	19	1.05
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	6	1.05
(4,383)	2:310:A:ALA:HA	2:313:A:ARG:HB3	14	1.05
(4,319)	2:299:A:SER:HB3	2:276:A:MET:HG3	3	1.05
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	1	1.05
(3,571)	2:321:A:MET:HE3	2:321:A:MET:HB3	6	1.05
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	8	1.04
(4,4414)	1:5:B:VAL:HG21	1:5:B:VAL:H	6	1.04
(4,4352)	2:276:A:MET:HE1	2:276:A:MET:HG3	9	1.04
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	3	1.04
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	4	1.04
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	9	1.04
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	10	1.04
(4,2356)	2:334:A:ARG:HB2	2:332:A:LEU:H	5	1.04
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	11	1.04
(4,1156)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	2	1.04
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	2	1.04
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	11	1.04
(4,691)	2:280:A:VAL:HG12	2:338:A:ILE:HG21	19	1.04
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	14	1.04
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB3	9	1.04
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB2	18	1.04
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	15	1.04
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	2	1.03
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	7	1.03
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	12	1.03
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	17	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	18	1.03
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	20	1.03
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	3	1.03
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	17	1.03
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	13	1.03
(4,2617)	2:278:A:VAL:H	2:278:A:VAL:HG22	10	1.03
(4,2241)	2:277:A:SER:H	2:276:A:MET:HG3	17	1.03
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	18	1.03
(4,1547)	2:334:A:ARG:HB2	2:332:A:LEU:H	5	1.03
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	13	1.03
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	7	1.03
(3,571)	2:321:A:MET:HE3	2:321:A:MET:HB2	2	1.03
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	8	1.03
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	2	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	8	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	11	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	14	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	15	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	16	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	19	1.02
(4,3668)	2:282:A:ILE:HG13	2:282:A:ILE:HG22	1	1.02
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	5	1.02
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	17	1.02
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	2	1.02
(4,2627)	2:291:A:THR:HG22	2:287:A:ASP:H	17	1.02
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	8	1.02
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	3	1.02
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	17	1.02
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	13	1.02
(4,1747)	2:278:A:VAL:H	2:278:A:VAL:HG22	10	1.02
(4,1460)	2:277:A:SER:H	2:276:A:MET:HG3	17	1.02
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	18	1.02
(4,1222)	2:276:A:MET:HE3	2:276:A:MET:HG3	16	1.02
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	1	1.02
(4,1159)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	5	1.02
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	15	1.02
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB1	3	1.02
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	3	1.02
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	5	1.02
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	9	1.02
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	13	1.02
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG23	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,553)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	2	1.02
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB2	10	1.02
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	1	1.01
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	5	1.01
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	4	1.01
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	11	1.01
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	6	1.01
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	13	1.01
(4,2617)	2:278:A:VAL:H	2:278:A:VAL:HG23	4	1.01
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	2	1.01
(4,1755)	2:291:A:THR:HG22	2:287:A:ASP:H	17	1.01
(4,1222)	2:276:A:MET:HE1	2:276:A:MET:HG3	9	1.01
(4,1156)	2:335:A:GLN:HE21	2:334:A:ARG:HG2	13	1.01
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	4	1.01
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	10	1.01
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	18	1.01
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	20	1.01
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	4	1.01
(3,96)	2:321:A:MET:HE3	2:321:A:MET:HB3	6	1.01
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	7	1.0
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	6	1.0
(4,3669)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	3	1.0
(4,3669)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	5	1.0
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	16	1.0
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	15	1.0
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	17	1.0
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	1	1.0
(4,2627)	2:291:A:THR:HG22	2:287:A:ASP:H	4	1.0
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	12	1.0
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	18	1.0
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	19	1.0
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	7	1.0
(4,1747)	2:278:A:VAL:H	2:278:A:VAL:HG23	4	1.0
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	8	1.0
(4,928)	2:338:A:ILE:HG23	2:311:A:ALA:HB3	10	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	7	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD21	11	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	12	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	15	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	16	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	17	1.0
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	20	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	17	1.0
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	6	1.0
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB2	19	1.0
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	12	1.0
(3,130)	2:284:A:MET:HE1	2:336:A:ARG:H	7	1.0
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	14	1.0
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB3	9	1.0
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB2	18	1.0
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	4	1.0
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	7	0.99
(4,4260)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	4	0.99
(4,3793)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	2	0.99
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	18	0.99
(4,3190)	2:276:A:MET:HE3	2:276:A:MET:HG3	16	0.99
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	18	0.99
(4,2627)	2:291:A:THR:HG22	2:287:A:ASP:H	14	0.99
(4,1755)	2:291:A:THR:HG22	2:287:A:ASP:H	4	0.99
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	12	0.99
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	19	0.99
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	7	0.99
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	8	0.99
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	14	0.99
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	19	0.99
(4,690)	2:282:A:ILE:HG13	2:282:A:ILE:HG22	1	0.99
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	1	0.99
(3,401)	2:320:A:GLU:HA	2:257:A:LEU:HD12	1	0.99
(3,172)	2:336:A:ARG:HB2	2:337:A:ARG:H	7	0.99
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	4	0.99
(3,130)	2:284:A:MET:HE3	2:290:A:ILE:H	8	0.99
(3,130)	2:284:A:MET:HE1	2:336:A:ARG:H	20	0.99
(3,96)	2:321:A:MET:HE3	2:321:A:MET:HB2	2	0.99
(3,32)	2:332:A:LEU:HD12	2:328:A:THR:HA	13	0.99
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	16	0.98
(4,4411)	1:7:B:SER:H	1:5:B:VAL:HG12	2	0.98
(4,4352)	2:276:A:MET:HE1	2:276:A:MET:HG3	3	0.98
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	16	0.98
(4,3190)	2:276:A:MET:HE1	2:276:A:MET:HG3	9	0.98
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	14	0.98
(4,3000)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	14	0.98
(4,2917)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	5	0.98
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	20	0.98
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	1	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	5	0.98
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	8	0.98
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	18	0.98
(4,1755)	2:291:A:THR:HG22	2:287:A:ASP:H	14	0.98
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	18	0.98
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	1	0.98
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD23	6	0.98
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	5	0.98
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB2	5	0.98
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	3	0.98
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	6	0.98
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	15	0.98
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	17	0.98
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD13	18	0.97
(4,4175)	2:284:A:MET:HE1	2:318:A:ILE:HG12	13	0.97
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	7	0.97
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	11	0.97
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	20	0.97
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	14	0.97
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	3	0.97
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	7	0.97
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	9	0.97
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG23	4	0.97
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG23	9	0.97
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	10	0.97
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	20	0.97
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	1	0.97
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	8	0.97
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	5	0.97
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	4	0.97
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	11	0.97
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	17	0.97
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	1	0.97
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	1	0.97
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	2	0.97
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	14	0.97
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	6	0.97
(4,3318)	2:285:A:LEU:HD23	2:285:A:LEU:HA	17	0.96
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	4	0.96
(4,2904)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	4	0.96
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	18	0.96
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	6	0.96
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	11	0.96
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG23	5	0.96
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG23	8	0.96
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG23	17	0.96
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG21	18	0.96
(4,1977)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	11	0.96
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	5	0.96
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG23	4	0.96
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG23	9	0.96
(4,782)	2:261:A:LEU:HB2	2:261:A:LEU:HD22	2	0.96
(4,691)	2:280:A:VAL:HG11	2:338:A:ILE:HG22	5	0.96
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	16	0.96
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	18	0.96
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	15	0.96
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	14	0.96
(4,117)	2:275:A:GLY:HA2	2:341:A:LYS:HE2	5	0.96
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	15	0.96
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	8	0.96
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	16	0.96
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB2	19	0.96
(3,32)	2:332:A:LEU:HD13	2:328:A:THR:HA	9	0.96
(4,4352)	2:276:A:MET:HE3	2:276:A:MET:HG3	17	0.95
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	9	0.95
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	19	0.95
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	3	0.95
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	1	0.95
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	7	0.95
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	2	0.95
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	6	0.95
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	9	0.95
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	1	0.95
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD12	8	0.95
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	12	0.95
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	3	0.95
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG21	15	0.95
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	18	0.95
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	12	0.95
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	14	0.95
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	6	0.95
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	9	0.95
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG23	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG23	8	0.95
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG23	17	0.95
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG21	18	0.95
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	10	0.95
(4,1249)	1:7:B:SER:H	1:5:B:VAL:HG12	2	0.95
(4,1222)	2:276:A:MET:HE1	2:276:A:MET:HG3	3	0.95
(4,1159)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	4	0.95
(4,691)	2:280:A:VAL:HG13	2:338:A:ILE:HG23	3	0.95
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	17	0.95
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	7	0.95
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	4	0.95
(4,184)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	14	0.95
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	3	0.95
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	4	0.95
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	9	0.95
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	18	0.95
(4,4352)	2:276:A:MET:HE3	2:276:A:MET:HG3	10	0.94
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	12	0.94
(4,4175)	2:284:A:MET:HE3	2:318:A:ILE:HG12	8	0.94
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	8	0.94
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	5	0.94
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	7	0.94
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	19	0.94
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG21	1	0.94
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	17	0.94
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	8	0.94
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD12	8	0.94
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	11	0.94
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	3	0.94
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG21	15	0.94
(4,1092)	2:284:A:MET:HE1	2:318:A:ILE:HG12	13	0.94
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	7	0.94
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	5	0.94
(4,430)	2:285:A:LEU:HD23	2:285:A:LEU:HA	17	0.94
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	9	0.94
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	1	0.94
(4,106)	2:339:A:ILE:HG13	2:279:A:GLU:HG2	4	0.94
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB2	16	0.94
(3,323)	2:336:A:ARG:HB2	2:337:A:ARG:H	7	0.94
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	2	0.94
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	19	0.94
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,172)	2:336:A:ARG:HB2	2:337:A:ARG:H	18	0.94
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	5	0.94
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB2	5	0.94
(3,87)	2:259:A:VAL:HG21	2:258:A:ILE:H	8	0.94
(3,79)	2:280:A:VAL:HG12	2:293:A:ALA:HA	13	0.94
(3,69)	2:328:A:THR:HB	2:324:A:LEU:HD23	16	0.94
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	4	0.93
(4,3900)	2:279:A:GLU:HB3	2:296:A:SER:HB3	15	0.93
(4,3070)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	5	0.93
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	18	0.93
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	5	0.93
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	9	0.93
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	10	0.93
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	5	0.93
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	10	0.93
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	13	0.93
(4,2315)	2:282:A:ILE:H	2:282:A:ILE:HG22	12	0.93
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	9	0.93
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	7	0.93
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	19	0.93
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG21	1	0.93
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	17	0.93
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	11	0.93
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	20	0.93
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	11	0.93
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	15	0.93
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	2	0.93
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	6	0.93
(3,367)	2:332:A:LEU:HD12	2:328:A:THR:HA	13	0.93
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	15	0.93
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	6	0.93
(3,145)	2:281:A:LEU:HD23	2:281:A:LEU:H	13	0.93
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	4	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	3	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	4	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	9	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	10	0.92
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	14	0.92
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	16	0.92
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	6	0.92
(4,3190)	2:276:A:MET:HE1	2:276:A:MET:HG3	3	0.92
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	16	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	13	0.92
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	1	0.92
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	7	0.92
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	19	0.92
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	1	0.92
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	9	0.92
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	1	0.92
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	4	0.92
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	11	0.92
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	12	0.92
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	19	0.92
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	9	0.92
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	5	0.92
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	7	0.92
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	10	0.92
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	5	0.92
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	10	0.92
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	13	0.92
(4,1524)	2:282:A:ILE:H	2:282:A:ILE:HG22	12	0.92
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	8	0.92
(4,1222)	2:276:A:MET:HE3	2:276:A:MET:HG3	10	0.92
(4,1222)	2:276:A:MET:HE3	2:276:A:MET:HG3	17	0.92
(4,251)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	5	0.92
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	18	0.92
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	1	0.92
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	6	0.92
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	1	0.92
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	10	0.92
(3,172)	2:336:A:ARG:HB2	2:337:A:ARG:H	10	0.92
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	3	0.92
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	11	0.92
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	5	0.92
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	7	0.92
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	9	0.91
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	1	0.91
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	5	0.91
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	3	0.91
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	14	0.91
(4,2627)	2:291:A:THR:HG22	2:287:A:ASP:H	10	0.91
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	16	0.91
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	18	0.91
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	2	0.91
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	7	0.91
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	8	0.91
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	9	0.91
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	15	0.91
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	16	0.91
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	20	0.91
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	6	0.91
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	1	0.91
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	19	0.91
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	1	0.91
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	1	0.91
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	4	0.91
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	11	0.91
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	12	0.91
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	19	0.91
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	9	0.91
(4,1092)	2:284:A:MET:HE3	2:318:A:ILE:HG12	8	0.91
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	3	0.91
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	1	0.91
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	7	0.91
(3,404)	2:284:A:MET:HE1	2:336:A:ARG:H	7	0.91
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	4	0.91
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	12	0.91
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	14	0.91
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	20	0.91
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	9	0.91
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG21	11	0.91
(3,69)	2:328:A:THR:HB	2:324:A:LEU:HD22	5	0.91
(3,32)	2:332:A:LEU:HD11	2:328:A:THR:HA	11	0.91
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	11	0.9
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB1	1	0.9
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	17	0.9
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	5	0.9
(4,3070)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	16	0.9
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	13	0.9
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	8	0.9
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	19	0.9
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	5	0.9
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	7	0.9
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	18	0.9
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	14	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	9	0.9
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	16	0.9
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	18	0.9
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	19	0.9
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	2	0.9
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	7	0.9
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	8	0.9
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	15	0.9
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	20	0.9
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	9	0.9
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	6	0.9
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	8	0.9
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	16	0.9
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	3	0.9
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	13	0.9
(3,404)	2:284:A:MET:HE3	2:290:A:ILE:H	8	0.9
(3,404)	2:284:A:MET:HE1	2:336:A:ARG:H	20	0.9
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	15	0.9
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	17	0.9
(3,367)	2:332:A:LEU:HD13	2:328:A:THR:HA	9	0.9
(3,145)	2:281:A:LEU:HD22	2:281:A:LEU:H	19	0.9
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB2	16	0.9
(3,87)	2:259:A:VAL:HG21	2:258:A:ILE:H	17	0.9
(3,69)	2:328:A:THR:HB	2:324:A:LEU:HD22	11	0.9
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD13	8	0.9
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	18	0.89
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	20	0.89
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	15	0.89
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	16	0.89
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	15	0.89
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	4	0.89
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	6	0.89
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	6	0.89
(4,3393)	2:347:A:LEU:H	2:346:A:SER:HB3	8	0.89
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	16	0.89
(4,3208)	2:278:A:VAL:HG11	2:278:A:VAL:HA	4	0.89
(4,3208)	2:278:A:VAL:HG12	2:278:A:VAL:HA	10	0.89
(4,3190)	2:276:A:MET:HE3	2:276:A:MET:HG3	10	0.89
(4,3190)	2:276:A:MET:HE3	2:276:A:MET:HG3	17	0.89
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	7	0.89
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	2	0.89
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	15	0.89
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	20	0.89
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	6	0.89
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	17	0.89
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	14	0.89
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	7	0.89
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	8	0.89
(4,1755)	2:291:A:THR:HG22	2:287:A:ASP:H	10	0.89
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	5	0.89
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	7	0.89
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	9	0.89
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	16	0.89
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	18	0.89
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	14	0.89
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	12	0.89
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	19	0.89
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	14	0.89
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	5	0.89
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	1	0.89
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	13	0.89
(3,425)	2:328:A:THR:HB	2:324:A:LEU:HD23	16	0.89
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	2	0.89
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	14	0.89
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	2	0.89
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	19	0.89
(3,323)	2:336:A:ARG:HB2	2:337:A:ARG:H	18	0.89
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	4	0.89
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	12	0.89
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	20	0.89
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	10	0.89
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	18	0.89
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	20	0.89
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	15	0.88
(4,4175)	2:284:A:MET:HE1	2:318:A:ILE:HG12	6	0.88
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	14	0.88
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	18	0.88
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	5	0.88
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	4	0.88
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	2	0.88
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	19	0.88
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	15	0.88
(4,2921)	2:347:A:LEU:HD12	2:346:A:SER:HB3	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	15	0.88
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	9	0.88
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	20	0.88
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	1	0.88
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	3	0.88
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	6	0.88
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	12	0.88
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	13	0.88
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	17	0.88
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	1	0.88
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	5	0.88
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	11	0.88
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	15	0.88
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	7	0.88
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	19	0.88
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	2	0.88
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	4	0.88
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	15	0.88
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	20	0.88
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	6	0.88
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	17	0.88
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	14	0.88
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	17	0.88
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	3	0.88
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	4	0.88
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	9	0.88
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	10	0.88
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	16	0.88
(4,356)	2:278:A:VAL:HG11	2:278:A:VAL:HA	4	0.88
(4,356)	2:278:A:VAL:HG12	2:278:A:VAL:HA	10	0.88
(4,341)	2:279:A:GLU:HB3	2:296:A:SER:HB3	5	0.88
(4,251)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	16	0.88
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	13	0.88
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	8	0.88
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	16	0.88
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	14	0.88
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	16	0.88
(3,130)	2:284:A:MET:HE2	2:336:A:ARG:H	2	0.88
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	4	0.88
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	18	0.88
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD13	1	0.88
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	18	0.87
(4,4411)	1:7:B:SER:H	1:5:B:VAL:HG11	6	0.87
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD13	6	0.87
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG21	6	0.87
(4,3852)	2:321:A:MET:HE2	2:321:A:MET:H	17	0.87
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	10	0.87
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	8	0.87
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	12	0.87
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	13	0.87
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	18	0.87
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	8	0.87
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	20	0.87
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	12	0.87
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	3	0.87
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	18	0.87
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	4	0.87
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	11	0.87
(4,3208)	2:278:A:VAL:HG13	2:278:A:VAL:HA	6	0.87
(4,2627)	2:291:A:THR:HG23	2:287:A:ASP:H	3	0.87
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	9	0.87
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	11	0.87
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB2	14	0.87
(4,2434)	2:261:A:LEU:HB3	2:260:A:ASN:H	14	0.87
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	1	0.87
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	17	0.87
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	9	0.87
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	20	0.87
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	3	0.87
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	6	0.87
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	12	0.87
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	13	0.87
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	17	0.87
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	1	0.87
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	2	0.87
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	15	0.87
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	9	0.87
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	15	0.87
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	16	0.87
(4,122)	2:347:A:LEU:HD12	2:346:A:SER:HB3	1	0.87
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	15	0.87
(3,420)	2:280:A:VAL:HG12	2:293:A:ALA:HA	13	0.87
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	6	0.87
(3,323)	2:336:A:ARG:HB2	2:337:A:ARG:H	10	0.87
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	15	0.87
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	19	0.87
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	6	0.87
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	1	0.87
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	13	0.87
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	1	0.86
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	11	0.86
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	7	0.86
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	18	0.86
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	6	0.86
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	17	0.86
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	19	0.86
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	5	0.86
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	6	0.86
(4,3542)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	2	0.86
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	8	0.86
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	11	0.86
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	8	0.86
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	10	0.86
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	9	0.86
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	4	0.86
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	6	0.86
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	16	0.86
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB1	8	0.86
(4,2529)	2:313:A:ARG:H	2:310:A:ALA:HB3	10	0.86
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	19	0.86
(4,1755)	2:291:A:THR:HG23	2:287:A:ASP:H	3	0.86
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	1	0.86
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	9	0.86
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	14	0.86
(4,1602)	2:261:A:LEU:HB3	2:260:A:ASN:H	14	0.86
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	1	0.86
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	9	0.86
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	13	0.86
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	16	0.86
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	18	0.86
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	11	0.86
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD12	6	0.86
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	17	0.86
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	3	0.86
(3,484)	2:231:A:LEU:HD13	2:231:A:LEU:H	4	0.86
(3,425)	2:328:A:THR:HB	2:324:A:LEU:HD22	5	0.86
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	5	0.86
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	18	0.86
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	10	0.86
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	16	0.86
(3,78)	2:324:A:LEU:HD13	2:324:A:LEU:H	16	0.86
(4,4175)	2:284:A:MET:HE1	2:318:A:ILE:HG12	4	0.85
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	18	0.85
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	3	0.85
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	13	0.85
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	16	0.85
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	10	0.85
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	20	0.85
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	4	0.85
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	6	0.85
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	16	0.85
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB1	8	0.85
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB3	10	0.85
(4,1677)	2:313:A:ARG:H	2:310:A:ALA:HB2	11	0.85
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	19	0.85
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	17	0.85
(4,1092)	2:284:A:MET:HE1	2:318:A:ILE:HG12	6	0.85
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	11	0.85
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	12	0.85
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	15	0.85
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB1	1	0.85
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	4	0.85
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	19	0.85
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	6	0.85
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	17	0.85
(4,482)	2:347:A:LEU:H	2:346:A:SER:HB3	8	0.85
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	8	0.85
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	11	0.85
(4,356)	2:278:A:VAL:HG13	2:278:A:VAL:HA	6	0.85
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	10	0.85
(3,484)	2:231:A:LEU:HD23	2:231:A:LEU:H	7	0.85
(3,425)	2:328:A:THR:HB	2:324:A:LEU:HD22	11	0.85
(3,396)	2:259:A:VAL:HG21	2:258:A:ILE:H	8	0.85
(3,367)	2:332:A:LEU:HD11	2:328:A:THR:HA	11	0.85
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,272)	2:231:A:LEU:HD13	2:231:A:LEU:H	4	0.85
(3,165)	2:290:A:ILE:HG23	2:290:A:ILE:H	2	0.85
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	11	0.85
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	2	0.85
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	6	0.85
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	3	0.85
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	12	0.84
(4,4260)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	13	0.84
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD12	12	0.84
(4,4175)	2:284:A:MET:HE2	2:318:A:ILE:HG12	7	0.84
(4,4138)	2:285:A:LEU:HD23	2:285:A:LEU:HA	17	0.84
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	15	0.84
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB1	3	0.84
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB1	16	0.84
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	12	0.84
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	15	0.84
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	5	0.84
(4,3393)	2:347:A:LEU:H	2:346:A:SER:HB3	4	0.84
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	2	0.84
(4,3310)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	6	0.84
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	14	0.84
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	8	0.84
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	12	0.84
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	15	0.84
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	14	0.84
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	3	0.84
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	20	0.84
(4,1249)	1:7:B:SER:H	1:5:B:VAL:HG11	6	0.84
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	20	0.84
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	1	0.84
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	7	0.84
(4,830)	2:321:A:MET:HE2	2:321:A:MET:H	17	0.84
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	5	0.84
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	10	0.84
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	2	0.84
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	20	0.84
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD13	12	0.84
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	18	0.84
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD11	8	0.84
(3,452)	2:242:A:LEU:HD11	2:243:A:ALA:H	11	0.84
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD11	12	0.84
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	6	0.84
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	11	0.84
(3,402)	2:281:A:LEU:HD23	2:281:A:LEU:H	13	0.84
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	7	0.84
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD13	8	0.84
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	20	0.84
(3,272)	2:231:A:LEU:HD23	2:231:A:LEU:H	7	0.84
(3,246)	2:240:A:GLN:HG2	2:240:A:GLN:H	15	0.84
(3,145)	2:281:A:LEU:HD21	2:281:A:LEU:H	7	0.84
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	19	0.84
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	2	0.84
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	3	0.84
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD13	7	0.83
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	15	0.83
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	20	0.83
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	6	0.83
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	13	0.83
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	6	0.83
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	10	0.83
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	7	0.83
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	11	0.83
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	14	0.83
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	16	0.83
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	13	0.83
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD13	5	0.83
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	17	0.83
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	13	0.83
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	5	0.83
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	15	0.83
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	3	0.83
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	20	0.83
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	1	0.83
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	11	0.83
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	3	0.83
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	5	0.83
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	10	0.83
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	19	0.83
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	4	0.83
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	13	0.83
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	8	0.83
(4,591)	2:337:A:ARG:HB2	2:281:A:LEU:HD11	2	0.83
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	18	0.83
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	11	0.83
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	2	0.83
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	6	0.83
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	10	0.83
(4,422)	2:297:A:ARG:HD3	2:297:A:ARG:HB2	20	0.83
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	14	0.83
(3,484)	2:231:A:LEU:HD11	2:231:A:LEU:H	1	0.83
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	20	0.83
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	9	0.83
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG21	11	0.83
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	12	0.83
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	16	0.83
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	20	0.83
(3,209)	2:242:A:LEU:HD11	2:243:A:ALA:H	11	0.83
(3,165)	2:290:A:ILE:HG21	2:290:A:ILE:H	9	0.83
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	17	0.83
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	5	0.83
(3,78)	2:324:A:LEU:HD13	2:324:A:LEU:H	5	0.83
(3,32)	2:332:A:LEU:HD11	2:328:A:THR:HA	10	0.83
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	20	0.82
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	1	0.82
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	2	0.82
(4,3852)	2:321:A:MET:HE2	2:321:A:MET:H	4	0.82
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	5	0.82
(4,3756)	2:259:A:VAL:HG13	2:259:A:VAL:H	19	0.82
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	7	0.82
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	13	0.82
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	5	0.82
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB1	7	0.82
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	20	0.82
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	19	0.82
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	13	0.82
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	8	0.82
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	9	0.82
(4,2921)	2:347:A:LEU:HD11	2:346:A:SER:HB3	8	0.82
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD23	5	0.82
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	13	0.82
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	16	0.82
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	14	0.82
(4,1977)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	5	0.82
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD13	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	17	0.82
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	14	0.82
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	5	0.82
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	12	0.82
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	4	0.82
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	6	0.82
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	8	0.82
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	14	0.82
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	7	0.82
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	18	0.82
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	6	0.82
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	8	0.82
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	12	0.82
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	18	0.82
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	5	0.82
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	6	0.82
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	16	0.82
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	8	0.82
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	5	0.82
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	6	0.82
(3,272)	2:231:A:LEU:HD11	2:231:A:LEU:H	1	0.82
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	3	0.82
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	4	0.82
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	5	0.82
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD11	12	0.82
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG22	1	0.82
(3,78)	2:324:A:LEU:HD13	2:324:A:LEU:H	11	0.82
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	2	0.82
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	4	0.81
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	14	0.81
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	1	0.81
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	3	0.81
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	18	0.81
(4,3756)	2:259:A:VAL:HG13	2:259:A:VAL:H	20	0.81
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	2	0.81
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	9	0.81
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB2	15	0.81
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	1	0.81
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	10	0.81
(4,3446)	2:328:A:THR:HG21	2:328:A:THR:H	6	0.81
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	10	0.81
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	14	0.81
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	15	0.81
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	12	0.81
(4,3292)	1:9:B:GLY:HA3	2:263:A:SER:HB3	7	0.81
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD13	6	0.81
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD12	12	0.81
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	5	0.81
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	11	0.81
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	16	0.81
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	14	0.81
(4,2257)	2:285:A:LEU:HD23	2:288:A:GLY:H	6	0.81
(4,2257)	2:285:A:LEU:HD23	2:288:A:GLY:H	7	0.81
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	4	0.81
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	5	0.81
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	13	0.81
(4,1846)	2:334:A:ARG:HB2	2:335:A:GLN:H	11	0.81
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	13	0.81
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	16	0.81
(4,1092)	2:284:A:MET:HE1	2:318:A:ILE:HG12	4	0.81
(4,1092)	2:284:A:MET:HE2	2:318:A:ILE:HG12	7	0.81
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	15	0.81
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	17	0.81
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	19	0.81
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	3	0.81
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	13	0.81
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	15	0.81
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	16	0.81
(4,482)	2:347:A:LEU:H	2:346:A:SER:HB3	4	0.81
(4,122)	2:347:A:LEU:HD11	2:346:A:SER:HB3	8	0.81
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD23	5	0.81
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	7	0.81
(3,402)	2:281:A:LEU:HD22	2:281:A:LEU:H	19	0.81
(3,396)	2:259:A:VAL:HG21	2:258:A:ILE:H	17	0.81
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	18	0.81
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	20	0.81
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD13	1	0.81
(3,293)	2:290:A:ILE:HG23	2:290:A:ILE:H	2	0.81
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	3	0.81
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	1	0.81
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	17	0.81
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	10	0.81
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG21	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,32)	2:332:A:LEU:HD12	2:328:A:THR:HA	16	0.81
(4,4260)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	3	0.8
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	16	0.8
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	9	0.8
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	18	0.8
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	8	0.8
(4,3504)	2:320:A:GLU:HG3	2:257:A:LEU:HD11	12	0.8
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	1	0.8
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	2	0.8
(4,3446)	2:328:A:THR:HG21	2:328:A:THR:H	4	0.8
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	17	0.8
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	18	0.8
(4,3446)	2:328:A:THR:HG21	2:328:A:THR:H	19	0.8
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	15	0.8
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	6	0.8
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	7	0.8
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	18	0.8
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	1	0.8
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	20	0.8
(4,2628)	2:287:A:ASP:H	2:285:A:LEU:HD12	16	0.8
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	20	0.8
(4,2257)	2:285:A:LEU:HD21	2:288:A:GLY:H	2	0.8
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	5	0.8
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	6	0.8
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	1	0.8
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	11	0.8
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	4	0.8
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	17	0.8
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD13	6	0.8
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD12	12	0.8
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	5	0.8
(4,1472)	2:285:A:LEU:HD23	2:288:A:GLY:H	6	0.8
(4,1472)	2:285:A:LEU:HD23	2:288:A:GLY:H	7	0.8
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	4	0.8
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	5	0.8
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	14	0.8
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	15	0.8
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	6	0.8
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB1	3	0.8
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB1	16	0.8
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	12	0.8
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	13	0.8
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	20	0.8
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	10	0.8
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	4	0.8
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	19	0.8
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	9	0.8
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	10	0.8
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	11	0.8
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	14	0.8
(3,142)	2:328:A:THR:HG22	2:325:A:PRO:HG3	3	0.8
(3,130)	2:284:A:MET:HE2	2:336:A:ARG:H	19	0.8
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	16	0.8
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	4	0.8
(3,32)	2:332:A:LEU:HD13	2:328:A:THR:HA	12	0.8
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	6	0.79
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	2	0.79
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	18	0.79
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	20	0.79
(4,3859)	2:321:A:MET:HE3	2:333:A:TYR:H	15	0.79
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	8	0.79
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	9	0.79
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	11	0.79
(4,3756)	2:259:A:VAL:HG13	2:259:A:VAL:H	13	0.79
(4,3446)	2:328:A:THR:HG21	2:328:A:THR:H	3	0.79
(4,3446)	2:328:A:THR:HG22	2:328:A:THR:H	20	0.79
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	19	0.79
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD13	2	0.79
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB3	3	0.79
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	10	0.79
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	3	0.79
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	8	0.79
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	9	0.79
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	18	0.79
(4,2225)	2:333:A:TYR:H	2:334:A:ARG:HB2	11	0.79
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	16	0.79
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	11	0.79
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	18	0.79
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	1	0.79
(4,1756)	2:287:A:ASP:H	2:285:A:LEU:HD12	16	0.79
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	16	0.79
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	14	0.79
(4,1472)	2:285:A:LEU:HD21	2:288:A:GLY:H	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	5	0.79
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	6	0.79
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	1	0.79
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	6	0.79
(4,1159)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	13	0.79
(4,973)	2:303:A:PRO:HB2	2:303:A:PRO:HD2	20	0.79
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	6	0.79
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	2	0.79
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	5	0.79
(4,753)	2:259:A:VAL:HG13	2:259:A:VAL:H	19	0.79
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	13	0.79
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	7	0.79
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	11	0.79
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	14	0.79
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	16	0.79
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	19	0.79
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	9	0.79
(3,404)	2:284:A:MET:HE2	2:336:A:ARG:H	2	0.79
(3,386)	2:324:A:LEU:HD13	2:324:A:LEU:H	16	0.79
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	14	0.79
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	6	0.79
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	17	0.79
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	8	0.79
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	13	0.79
(3,253)	2:270:A:PRO:HG3	2:271:A:SER:H	14	0.79
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	18	0.79
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	20	0.79
(3,165)	2:318:A:ILE:HD12	2:290:A:ILE:H	12	0.79
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	7	0.79
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	2	0.79
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG21	5	0.79
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	13	0.79
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	18	0.78
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD11	17	0.78
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	17	0.78
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	14	0.78
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	15	0.78
(4,3756)	2:259:A:VAL:HG13	2:259:A:VAL:H	6	0.78
(4,3756)	2:259:A:VAL:HG13	2:259:A:VAL:H	12	0.78
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	14	0.78
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	16	0.78
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB3	14	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3553)	2:335:A:GLN:HB2	2:336:A:ARG:H	17	0.78
(4,3446)	2:328:A:THR:HG23	2:328:A:THR:H	7	0.78
(4,3293)	1:9:B:GLY:HA3	2:263:A:SER:HB2	5	0.78
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	17	0.78
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	5	0.78
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	9	0.78
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	16	0.78
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	19	0.78
(4,2628)	2:287:A:ASP:H	2:285:A:LEU:HD11	15	0.78
(4,2573)	2:244:A:ASP:H	2:244:A:ASP:HB3	2	0.78
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	6	0.78
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	8	0.78
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	11	0.78
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	18	0.78
(4,2257)	2:285:A:LEU:HD22	2:288:A:GLY:H	1	0.78
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	2	0.78
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	8	0.78
(4,1977)	2:333:A:TYR:HD2	2:324:A:LEU:HD12	16	0.78
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD13	2	0.78
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	3	0.78
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	20	0.78
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	8	0.78
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	9	0.78
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	18	0.78
(4,1447)	2:333:A:TYR:H	2:334:A:ARG:HB2	11	0.78
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	16	0.78
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	11	0.78
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	11	0.78
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	1	0.78
(4,830)	2:321:A:MET:HE2	2:321:A:MET:H	4	0.78
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	3	0.78
(4,753)	2:259:A:VAL:HG13	2:259:A:VAL:H	20	0.78
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	7	0.78
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	10	0.78
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	8	0.78
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	12	0.78
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	14	0.78
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	6	0.78
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	7	0.78
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	18	0.78
(3,294)	2:240:A:GLN:HG2	2:240:A:GLN:H	15	0.78
(3,293)	2:290:A:ILE:HG21	2:290:A:ILE:H	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	17	0.78
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	10	0.78
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	7	0.78
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	18	0.78
(3,165)	2:290:A:ILE:HG23	2:290:A:ILE:H	8	0.78
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	16	0.78
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	17	0.78
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	12	0.78
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	15	0.78
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	3	0.78
(3,32)	2:332:A:LEU:HD11	2:328:A:THR:HA	5	0.78
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	4	0.77
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD12	3	0.77
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG12	6	0.77
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	7	0.77
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	17	0.77
(4,4056)	2:318:A:ILE:HB	2:321:A:MET:HG3	4	0.77
(4,4056)	2:318:A:ILE:HB	2:321:A:MET:HG3	11	0.77
(4,3949)	2:309:A:VAL:HG23	2:306:A:SER:HB2	12	0.77
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	10	0.77
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	4	0.77
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	10	0.77
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	17	0.77
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	19	0.77
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	10	0.77
(4,3393)	2:347:A:LEU:H	2:346:A:SER:HB3	1	0.77
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	13	0.77
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	1	0.77
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	11	0.77
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	6	0.77
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	19	0.77
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	15	0.77
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	10	0.77
(4,2895)	2:338:A:ILE:HD12	2:338:A:ILE:HA	13	0.77
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	12	0.77
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD13	14	0.77
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	1	0.77
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	18	0.77
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	20	0.77
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	2	0.77
(4,2257)	2:285:A:LEU:HD23	2:288:A:GLY:H	4	0.77
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	12	0.77
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	16	0.77
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	5	0.77
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	16	0.77
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	19	0.77
(4,1756)	2:287:A:ASP:H	2:285:A:LEU:HD11	15	0.77
(4,1710)	2:244:A:ASP:H	2:244:A:ASP:HB3	2	0.77
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	6	0.77
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	8	0.77
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	11	0.77
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	18	0.77
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	2	0.77
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	4	0.77
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	13	0.77
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	1	0.77
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	18	0.77
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	5	0.77
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB1	7	0.77
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB2	15	0.77
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	20	0.77
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	1	0.77
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	10	0.77
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD21	13	0.77
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	2	0.77
(4,522)	2:328:A:THR:HG21	2:328:A:THR:H	4	0.77
(4,522)	2:328:A:THR:HG21	2:328:A:THR:H	6	0.77
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	10	0.77
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	15	0.77
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	19	0.77
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	17	0.77
(3,543)	2:341:A:LYS:HB3	2:341:A:LYS:HE2	16	0.77
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	6	0.77
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	3	0.77
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	4	0.77
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	8	0.77
(3,165)	2:290:A:ILE:HG23	2:290:A:ILE:H	11	0.77
(3,87)	2:256:A:ASP:H	2:259:A:VAL:HG23	15	0.77
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	7	0.77
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	4	0.77
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	8	0.77
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	19	0.77
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4260)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	10	0.76
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD13	5	0.76
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD13	8	0.76
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD11	9	0.76
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	9	0.76
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	2	0.76
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	18	0.76
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	2	0.76
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD23	9	0.76
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	7	0.76
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	5	0.76
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	13	0.76
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	14	0.76
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	14	0.76
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	17	0.76
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	20	0.76
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	10	0.76
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD13	14	0.76
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	1	0.76
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	9	0.76
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	18	0.76
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	2	0.76
(4,1472)	2:285:A:LEU:HD22	2:288:A:GLY:H	1	0.76
(4,1472)	2:285:A:LEU:HD23	2:288:A:GLY:H	4	0.76
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	8	0.76
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	12	0.76
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	16	0.76
(4,991)	2:244:A:ASP:HB2	2:245:A:GLU:H	9	0.76
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	14	0.76
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	8	0.76
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	9	0.76
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	11	0.76
(4,753)	2:259:A:VAL:HG13	2:259:A:VAL:H	13	0.76
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	2	0.76
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	9	0.76
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	9	0.76
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	18	0.76
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	8	0.76
(4,563)	2:320:A:GLU:HG3	2:257:A:LEU:HD11	12	0.76
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	1	0.76
(4,522)	2:328:A:THR:HG21	2:328:A:THR:H	3	0.76
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	17	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	18	0.76
(4,522)	2:328:A:THR:HG21	2:328:A:THR:H	19	0.76
(4,522)	2:328:A:THR:HG22	2:328:A:THR:H	20	0.76
(3,484)	2:231:A:LEU:HD11	2:231:A:LEU:H	20	0.76
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	11	0.76
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	16	0.76
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	2	0.76
(3,386)	2:324:A:LEU:HD13	2:324:A:LEU:H	5	0.76
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	2	0.76
(3,367)	2:332:A:LEU:HD11	2:328:A:THR:HA	10	0.76
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	1	0.76
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	5	0.76
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	17	0.76
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	5	0.76
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	7	0.76
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	5	0.76
(3,203)	2:291:A:THR:HG22	2:292:A:ASN:H	16	0.76
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	5	0.76
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	9	0.76
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	11	0.76
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	19	0.76
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	1	0.76
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	1	0.76
(3,93)	2:290:A:ILE:HG21	2:290:A:ILE:H	5	0.76
(3,93)	2:290:A:ILE:HG21	2:290:A:ILE:H	9	0.76
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	17	0.76
(3,87)	2:259:A:VAL:HG21	2:258:A:ILE:H	14	0.76
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	17	0.76
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	19	0.76
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	14	0.76
(3,32)	2:332:A:LEU:HD12	2:328:A:THR:HA	18	0.76
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	6	0.75
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	14	0.75
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD12	4	0.75
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	4	0.75
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	6	0.75
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	16	0.75
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	6	0.75
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG12	19	0.75
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	9	0.75
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	11	0.75
(4,3949)	2:309:A:VAL:HG22	2:306:A:SER:HB2	17	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3756)	2:259:A:VAL:HG11	2:259:A:VAL:H	2	0.75
(4,3756)	2:259:A:VAL:HG12	2:259:A:VAL:H	7	0.75
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	8	0.75
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	3	0.75
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD12	20	0.75
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	16	0.75
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	19	0.75
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	3	0.75
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	7	0.75
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	20	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	2	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	4	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	6	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	10	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	11	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	13	0.75
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	14	0.75
(4,2627)	2:291:A:THR:HG22	2:287:A:ASP:H	16	0.75
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	12	0.75
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB2	17	0.75
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	11	0.75
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	10	0.75
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	20	0.75
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	7	0.75
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	20	0.75
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	5	0.75
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	14	0.75
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	11	0.75
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	14	0.75
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	17	0.75
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	10	0.75
(4,1159)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	3	0.75
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	6	0.75
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	2	0.75
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	15	0.75
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	18	0.75
(4,753)	2:259:A:VAL:HG13	2:259:A:VAL:H	6	0.75
(4,753)	2:259:A:VAL:HG13	2:259:A:VAL:H	12	0.75
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	14	0.75
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	16	0.75
(4,522)	2:328:A:THR:HG23	2:328:A:THR:H	7	0.75
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	3	0.75
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	6	0.75
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	19	0.75
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD12	15	0.75
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	10	0.75
(4,97)	2:338:A:ILE:HD12	2:338:A:ILE:HA	13	0.75
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	12	0.75
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG22	9	0.75
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD12	3	0.75
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	8	0.75
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD13	12	0.75
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	14	0.75
(3,402)	2:281:A:LEU:HD21	2:281:A:LEU:H	7	0.75
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	19	0.75
(3,386)	2:324:A:LEU:HD13	2:324:A:LEU:H	11	0.75
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HB2	5	0.75
(3,367)	2:332:A:LEU:HD12	2:328:A:THR:HA	16	0.75
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	3	0.75
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	9	0.75
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	10	0.75
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	11	0.75
(3,293)	2:318:A:ILE:HD12	2:290:A:ILE:H	12	0.75
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	14	0.75
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	16	0.75
(3,272)	2:231:A:LEU:HD11	2:231:A:LEU:H	20	0.75
(3,253)	2:270:A:PRO:HB3	2:271:A:SER:H	15	0.75
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	12	0.75
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	16	0.75
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	20	0.75
(3,142)	2:328:A:THR:HG22	2:325:A:PRO:HG3	4	0.75
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	18	0.75
(3,56)	2:341:A:LYS:HB3	2:341:A:LYS:HE2	16	0.75
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	6	0.74
(4,4260)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	8	0.74
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD11	13	0.74
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	15	0.74
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	13	0.74
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	4	0.74
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	12	0.74
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	20	0.74
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	5	0.74
(4,3949)	2:309:A:VAL:HG22	2:306:A:SER:HB2	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3949)	2:309:A:VAL:HG21	2:306:A:SER:HB2	19	0.74
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	15	0.74
(4,3852)	2:321:A:MET:HE2	2:321:A:MET:H	11	0.74
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	9	0.74
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	15	0.74
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	19	0.74
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	5	0.74
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	10	0.74
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	3	0.74
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	20	0.74
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	3	0.74
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	14	0.74
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	10	0.74
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	3	0.74
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	12	0.74
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB1	15	0.74
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	7	0.74
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	9	0.74
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	10	0.74
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	3	0.74
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	7	0.74
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	20	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	4	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	6	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	10	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	13	0.74
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	14	0.74
(4,1755)	2:291:A:THR:HG22	2:287:A:ASP:H	16	0.74
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	12	0.74
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	13	0.74
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB2	17	0.74
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	11	0.74
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	20	0.74
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	20	0.74
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG21	18	0.74
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	14	0.74
(4,999)	2:318:A:ILE:HB	2:321:A:MET:HG3	4	0.74
(4,836)	2:321:A:MET:HE3	2:333:A:TYR:H	15	0.74
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	4	0.74
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	10	0.74
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	17	0.74
(4,601)	2:335:A:GLN:HB2	2:336:A:ARG:H	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,482)	2:347:A:LEU:H	2:346:A:SER:HB3	1	0.74
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	3	0.74
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	19	0.74
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	3	0.74
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD12	20	0.74
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	2	0.74
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	18	0.74
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	19	0.74
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	2	0.74
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD23	9	0.74
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG22	1	0.74
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	2	0.74
(3,367)	2:332:A:LEU:HD13	2:328:A:THR:HA	12	0.74
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	20	0.74
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	8	0.74
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	13	0.74
(3,333)	2:270:A:PRO:HG3	2:271:A:SER:H	14	0.74
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	18	0.74
(3,293)	2:290:A:ILE:HG23	2:290:A:ILE:H	8	0.74
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	16	0.74
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	3	0.74
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	3	0.74
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	17	0.74
(3,246)	2:240:A:GLN:HG2	2:240:A:GLN:H	14	0.74
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	3	0.74
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	6	0.74
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	13	0.74
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	8	0.74
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	8	0.74
(3,142)	2:328:A:THR:HG22	2:325:A:PRO:HG3	19	0.74
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	6	0.74
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	2	0.74
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	13	0.73
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	7	0.73
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	15	0.73
(4,4351)	2:276:A:MET:HE1	2:304:A:PHE:H	5	0.73
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	18	0.73
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	15	0.73
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	3	0.73
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	5	0.73
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	8	0.73
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	13	0.73
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	11	0.73
(4,3949)	2:309:A:VAL:HG21	2:306:A:SER:HB2	2	0.73
(4,3949)	2:309:A:VAL:HG21	2:306:A:SER:HB2	3	0.73
(4,3949)	2:309:A:VAL:HG23	2:306:A:SER:HB2	13	0.73
(4,3949)	2:309:A:VAL:HG21	2:306:A:SER:HB2	16	0.73
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	4	0.73
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	5	0.73
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	17	0.73
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	18	0.73
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	14	0.73
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	20	0.73
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	11	0.73
(4,2895)	2:338:A:ILE:HD12	2:338:A:ILE:HA	15	0.73
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	18	0.73
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	4	0.73
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	2	0.73
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB3	17	0.73
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB3	4	0.73
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG22	8	0.73
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	12	0.73
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	10	0.73
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	2	0.73
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	11	0.73
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	12	0.73
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB1	15	0.73
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	9	0.73
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	10	0.73
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	10	0.73
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	17	0.73
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	7	0.73
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	17	0.73
(4,999)	2:318:A:ILE:HB	2:321:A:MET:HG3	11	0.73
(4,911)	2:309:A:VAL:HG23	2:306:A:SER:HB2	12	0.73
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	20	0.73
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB3	14	0.73
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	19	0.73
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	1	0.73
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	13	0.73
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	7	0.73
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	10	0.73
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	1	0.73
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	15	0.73
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	14	0.73
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG21	12	0.73
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	18	0.73
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	13	0.73
(3,246)	2:240:A:GLN:HG3	2:240:A:GLN:H	16	0.73
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	7	0.73
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	2	0.73
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	17	0.73
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	6	0.73
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD12	3	0.73
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD13	12	0.73
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	14	0.73
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	20	0.73
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	3	0.73
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	6	0.73
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	5	0.72
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	17	0.72
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	14	0.72
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	17	0.72
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	17	0.72
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	5	0.72
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	17	0.72
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	1	0.72
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	18	0.72
(4,3949)	2:309:A:VAL:HG22	2:306:A:SER:HB2	5	0.72
(4,3949)	2:309:A:VAL:HG23	2:306:A:SER:HB2	11	0.72
(4,3505)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	2	0.72
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	12	0.72
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	11	0.72
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	18	0.72
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG22	18	0.72
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE1	8	0.72
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	12	0.72
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD12	11	0.72
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	11	0.72
(4,2679)	2:312:A:VAL:H	2:310:A:ALA:HB2	8	0.72
(4,2413)	2:310:A:ALA:H	2:308:A:ALA:HB1	15	0.72
(4,2257)	2:285:A:LEU:HD21	2:288:A:GLY:H	5	0.72
(4,2257)	2:285:A:LEU:HD23	2:288:A:GLY:H	11	0.72
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	2	0.72
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	3	0.72
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB3	17	0.72
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	4	0.72
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB3	7	0.72
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	13	0.72
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG21	20	0.72
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	6	0.72
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	16	0.72
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	10	0.72
(4,753)	2:259:A:VAL:HG11	2:259:A:VAL:H	2	0.72
(4,753)	2:259:A:VAL:HG12	2:259:A:VAL:H	7	0.72
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	6	0.72
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	10	0.72
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	11	0.72
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	14	0.72
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	19	0.72
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	5	0.72
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	3	0.72
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	20	0.72
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	3	0.72
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	14	0.72
(3,571)	2:321:A:MET:HE1	2:321:A:MET:HB3	7	0.72
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	1	0.72
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	4	0.72
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	6	0.72
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	17	0.72
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	20	0.72
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	5	0.72
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	2	0.72
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	10	0.72
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	16	0.72
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	7	0.72
(3,293)	2:290:A:ILE:HG23	2:290:A:ILE:H	11	0.72
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	6	0.72
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	17	0.72
(3,279)	2:340:A:PHE:HD2	2:278:A:VAL:HG23	2	0.72
(3,246)	2:239:A:GLN:HG2	2:240:A:GLN:H	5	0.72
(3,203)	2:291:A:THR:HG22	2:292:A:ASN:H	4	0.72
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	18	0.72
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	19	0.72
(3,185)	2:309:A:VAL:H	2:306:A:SER:HB3	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	10	0.72
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	14	0.72
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	8	0.72
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	16	0.72
(3,49)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	11	0.72
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	3	0.71
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	6	0.71
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	11	0.71
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	16	0.71
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	14	0.71
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD12	16	0.71
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	8	0.71
(4,3949)	2:309:A:VAL:HG23	2:306:A:SER:HB2	20	0.71
(4,3900)	2:279:A:GLU:HB3	2:296:A:SER:HB3	5	0.71
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	13	0.71
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	1	0.71
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	6	0.71
(4,3028)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	16	0.71
(4,2903)	2:339:A:ILE:HA	2:339:A:ILE:HD12	18	0.71
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	14	0.71
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	7	0.71
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG23	19	0.71
(4,2416)	2:230:A:GLU:HG2	2:230:A:GLU:H	5	0.71
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD12	11	0.71
(4,1801)	2:312:A:VAL:H	2:310:A:ALA:HB2	8	0.71
(4,1585)	2:310:A:ALA:H	2:308:A:ALA:HB1	15	0.71
(4,1472)	2:285:A:LEU:HD23	2:288:A:GLY:H	11	0.71
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG22	8	0.71
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	12	0.71
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	7	0.71
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	15	0.71
(4,1221)	2:276:A:MET:HE2	2:304:A:PHE:H	14	0.71
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	10	0.71
(4,1159)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	10	0.71
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	9	0.71
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	11	0.71
(4,911)	2:309:A:VAL:HG22	2:306:A:SER:HB2	17	0.71
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	8	0.71
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD22	9	0.71
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	16	0.71
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	18	0.71
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	14	0.71
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	20	0.71
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE1	8	0.71
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	11	0.71
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	12	0.71
(4,97)	2:338:A:ILE:HD12	2:338:A:ILE:HA	15	0.71
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	18	0.71
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	16	0.71
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	19	0.71
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	16	0.71
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	15	0.71
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG21	5	0.71
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	13	0.71
(3,367)	2:332:A:LEU:HD11	2:328:A:THR:HA	5	0.71
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	19	0.71
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	5	0.71
(3,334)	2:291:A:THR:HG22	2:292:A:ASN:H	16	0.71
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	7	0.71
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	8	0.71
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	10	0.71
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	1	0.71
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	12	0.71
(3,165)	2:318:A:ILE:HD12	2:290:A:ILE:H	1	0.71
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	4	0.71
(3,165)	2:290:A:ILE:HG22	2:290:A:ILE:H	13	0.71
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	2	0.71
(3,142)	2:328:A:THR:HG22	2:325:A:PRO:HG3	6	0.71
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	7	0.71
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	9	0.71
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	13	0.71
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	14	0.71
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	3	0.71
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	1	0.71
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	4	0.7
(4,4251)	1:6:B:ILE:HG23	2:338:A:ILE:HD11	15	0.7
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	4	0.7
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	3	0.7
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	11	0.7
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	19	0.7
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	6	0.7
(4,4103)	2:302:A:LYS:HA	2:303:A:PRO:HD3	19	0.7
(4,3949)	2:309:A:VAL:HG23	2:306:A:SER:HB2	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3949)	2:309:A:VAL:HG22	2:306:A:SER:HB2	18	0.7
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	19	0.7
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	12	0.7
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	19	0.7
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	2	0.7
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	14	0.7
(4,3052)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	2	0.7
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	15	0.7
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	5	0.7
(4,2895)	2:338:A:ILE:HD12	2:338:A:ILE:HA	9	0.7
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	17	0.7
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	20	0.7
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	5	0.7
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	11	0.7
(4,2257)	2:285:A:LEU:HD23	2:288:A:GLY:H	12	0.7
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG22	19	0.7
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	1	0.7
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	8	0.7
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	20	0.7
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	7	0.7
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG23	19	0.7
(4,1588)	2:230:A:GLU:HG2	2:230:A:GLU:H	5	0.7
(4,1472)	2:285:A:LEU:HD21	2:288:A:GLY:H	5	0.7
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	6	0.7
(4,1159)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	8	0.7
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	18	0.7
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	15	0.7
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	4	0.7
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	12	0.7
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	20	0.7
(4,911)	2:309:A:VAL:HG22	2:306:A:SER:HB2	7	0.7
(4,911)	2:309:A:VAL:HG21	2:306:A:SER:HB2	19	0.7
(4,830)	2:321:A:MET:HE2	2:321:A:MET:H	11	0.7
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	10	0.7
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	19	0.7
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	20	0.7
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	18	0.7
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	10	0.7
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG22	18	0.7
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	2	0.7
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	12	0.7
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	3	0.7
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	17	0.7
(3,424)	2:328:A:THR:HG22	2:325:A:PRO:HG3	3	0.7
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	12	0.7
(3,404)	2:284:A:MET:HE2	2:336:A:ARG:H	19	0.7
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	3	0.7
(3,333)	2:270:A:PRO:HB3	2:271:A:SER:H	15	0.7
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	5	0.7
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	9	0.7
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	11	0.7
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	19	0.7
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	7	0.7
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	11	0.7
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	11	0.7
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	2	0.7
(3,165)	2:290:A:ILE:HG21	2:290:A:ILE:H	7	0.7
(3,165)	2:290:A:ILE:HG23	2:290:A:ILE:H	10	0.7
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	20	0.7
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	17	0.7
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	7	0.7
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	11	0.7
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	14	0.7
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	15	0.7
(4,4411)	1:7:B:SER:H	1:5:B:VAL:HG11	12	0.69
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	17	0.69
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	18	0.69
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD13	14	0.69
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD13	20	0.69
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	16	0.69
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	12	0.69
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	12	0.69
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	3	0.69
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	14	0.69
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	3	0.69
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	4	0.69
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG12	13	0.69
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	2	0.69
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	6	0.69
(4,3949)	2:309:A:VAL:HG21	2:306:A:SER:HB2	9	0.69
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	18	0.69
(4,3504)	2:320:A:GLU:HG3	2:257:A:LEU:HD12	10	0.69
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	15	0.69
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	18	0.69
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	20	0.69
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	2	0.69
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	6	0.69
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	3	0.69
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	6	0.69
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	16	0.69
(4,3010)	2:306:A:SER:HB2	2:303:A:PRO:HA	15	0.69
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	1	0.69
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	1	0.69
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	19	0.69
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD23	11	0.69
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD11	4	0.69
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	16	0.69
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	15	0.69
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD23	18	0.69
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	8	0.69
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	13	0.69
(4,2243)	2:277:A:SER:H	2:276:A:MET:HB2	16	0.69
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG22	9	0.69
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	14	0.69
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	11	0.69
(4,1472)	2:285:A:LEU:HD23	2:288:A:GLY:H	12	0.69
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG22	19	0.69
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	1	0.69
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	8	0.69
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	14	0.69
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	12	0.69
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	4	0.69
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	3	0.69
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	5	0.69
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	8	0.69
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	10	0.69
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	13	0.69
(4,911)	2:309:A:VAL:HG21	2:306:A:SER:HB2	2	0.69
(4,911)	2:309:A:VAL:HG21	2:306:A:SER:HB2	3	0.69
(4,911)	2:309:A:VAL:HG23	2:306:A:SER:HB2	13	0.69
(4,911)	2:309:A:VAL:HG21	2:306:A:SER:HB2	16	0.69
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	15	0.69
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	12	0.69
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	5	0.69
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	9	0.69
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	17	0.69
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	19	0.69
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	6	0.69
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	20	0.69
(4,210)	2:286:A:PRO:HD3	2:285:A:LEU:HD13	16	0.69
(4,105)	2:339:A:ILE:HA	2:339:A:ILE:HD12	18	0.69
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	17	0.69
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	20	0.69
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	8	0.69
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB3	11	0.69
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB3	17	0.69
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD13	5	0.69
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	7	0.69
(3,412)	2:290:A:ILE:HG21	2:290:A:ILE:H	5	0.69
(3,412)	2:290:A:ILE:HG21	2:290:A:ILE:H	9	0.69
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	17	0.69
(3,396)	2:256:A:ASP:H	2:259:A:VAL:HG23	15	0.69
(3,367)	2:332:A:LEU:HD12	2:328:A:THR:HA	18	0.69
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	4	0.69
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	3	0.69
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	6	0.69
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	12	0.69
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	16	0.69
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	20	0.69
(3,294)	2:240:A:GLN:HG2	2:240:A:GLN:H	14	0.69
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	6	0.69
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	9	0.69
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	4	0.69
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	8	0.69
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	15	0.69
(3,165)	2:318:A:ILE:HD13	2:290:A:ILE:H	18	0.69
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	15	0.69
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	1	0.69
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	4	0.69
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	6	0.69
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	17	0.69
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	2	0.69
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	11	0.69
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	16	0.69
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	18	0.68
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	20	0.68
(4,4351)	2:276:A:MET:HE1	2:304:A:PHE:H	7	0.68
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD12	1	0.68
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD12	10	0.68
(4,4171)	2:284:A:MET:HE1	2:288:A:GLY:H	19	0.68
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG12	20	0.68
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	16	0.68
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	20	0.68
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	18	0.68
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	1	0.68
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	11	0.68
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	13	0.68
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	14	0.68
(4,3177)	2:298:A:SER:HB3	2:295:A:VAL:HG12	14	0.68
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG21	2	0.68
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	13	0.68
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	11	0.68
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	11	0.68
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	5	0.68
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	15	0.68
(4,2895)	2:338:A:ILE:HD11	2:338:A:ILE:HA	8	0.68
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	10	0.68
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD23	12	0.68
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD21	20	0.68
(4,2769)	2:228:A:LEU:HB2	2:228:A:LEU:H	6	0.68
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	1	0.68
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	6	0.68
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	12	0.68
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG11	12	0.68
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG23	1	0.68
(4,2243)	2:277:A:SER:H	2:276:A:MET:HB2	3	0.68
(4,2243)	2:277:A:SER:H	2:276:A:MET:HB2	10	0.68
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	13	0.68
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	12	0.68
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	1	0.68
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD11	4	0.68
(4,1875)	2:228:A:LEU:HB2	2:228:A:LEU:H	6	0.68
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	15	0.68
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD23	18	0.68
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	5	0.68
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	13	0.68
(4,1461)	2:277:A:SER:H	2:276:A:MET:HB2	16	0.68
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	6	0.68
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	16	0.68
(4,1221)	2:276:A:MET:HE1	2:304:A:PHE:H	5	0.68
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	17	0.68
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	17	0.68
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	1	0.68
(4,911)	2:309:A:VAL:HG22	2:306:A:SER:HB2	5	0.68
(4,911)	2:309:A:VAL:HG23	2:306:A:SER:HB2	11	0.68
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	1	0.68
(4,564)	2:320:A:GLU:HG2	2:254:A:LEU:HD23	2	0.68
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	9	0.68
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	12	0.68
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	13	0.68
(4,231)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	2	0.68
(4,193)	2:306:A:SER:HB2	2:303:A:PRO:HA	15	0.68
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	15	0.68
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	5	0.68
(4,97)	2:338:A:ILE:HD12	2:338:A:ILE:HA	9	0.68
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	19	0.68
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	11	0.68
(3,428)	2:340:A:PHE:HD2	2:278:A:VAL:HG23	2	0.68
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	17	0.68
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	17	0.68
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	1	0.68
(3,396)	2:259:A:VAL:HG21	2:258:A:ILE:H	14	0.68
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	13	0.68
(3,294)	2:240:A:GLN:HG3	2:240:A:GLN:H	16	0.68
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	10	0.68
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	11	0.68
(3,203)	2:291:A:THR:HG22	2:292:A:ASN:H	17	0.68
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD13	5	0.68
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	1	0.68
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD12	13	0.68
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	8	0.68
(3,96)	2:321:A:MET:HE1	2:321:A:MET:HB3	7	0.68
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	16	0.68
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	19	0.68
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	20	0.68
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	9	0.68
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD13	14	0.68
(3,32)	2:332:A:LEU:HD12	2:328:A:THR:HA	20	0.68
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	14	0.68
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	9	0.67
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	11	0.67
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	7	0.67
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	12	0.67
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG21	13	0.67
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	6	0.67
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	7	0.67
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD13	15	0.67
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	2	0.67
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG22	14	0.67
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG23	18	0.67
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	1	0.67
(4,3504)	2:320:A:GLU:HG3	2:257:A:LEU:HD11	14	0.67
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	7	0.67
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	19	0.67
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	17	0.67
(4,3167)	2:321:A:MET:HE1	2:321:A:MET:HG2	13	0.67
(4,3167)	2:321:A:MET:HE2	2:321:A:MET:HG2	15	0.67
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	3	0.67
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	16	0.67
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	4	0.67
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	4	0.67
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	13	0.67
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	3	0.67
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	15	0.67
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB3	19	0.67
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	6	0.67
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD13	1	0.67
(4,2523)	2:235:A:THR:HG22	2:235:A:THR:H	15	0.67
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	4	0.67
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	7	0.67
(4,2243)	2:277:A:SER:H	2:276:A:MET:HB2	17	0.67
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	18	0.67
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	16	0.67
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	1	0.67
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	12	0.67
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG11	12	0.67
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG23	1	0.67
(4,1461)	2:277:A:SER:H	2:276:A:MET:HB2	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1461)	2:277:A:SER:H	2:276:A:MET:HB2	10	0.67
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	13	0.67
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	12	0.67
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	3	0.67
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	11	0.67
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG21	4	0.67
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG22	15	0.67
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	4	0.67
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	6	0.67
(4,1036)	2:302:A:LYS:HA	2:303:A:PRO:HD3	19	0.67
(4,911)	2:309:A:VAL:HG23	2:306:A:SER:HB2	20	0.67
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	8	0.67
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	11	0.67
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	12	0.67
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	19	0.67
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	1	0.67
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	6	0.67
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	2	0.67
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	6	0.67
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	1	0.67
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	5	0.67
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	1	0.67
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD23	11	0.67
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	18	0.67
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	1	0.67
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	11	0.67
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	12	0.67
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	4	0.67
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	8	0.67
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	3	0.67
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	6	0.67
(3,334)	2:291:A:THR:HG22	2:292:A:ASN:H	4	0.67
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	7	0.67
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	18	0.67
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	19	0.67
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	2	0.67
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	17	0.67
(3,294)	2:239:A:GLN:HG2	2:240:A:GLN:H	5	0.67
(3,293)	2:318:A:ILE:HD12	2:290:A:ILE:H	1	0.67
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	4	0.67
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	13	0.67
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	12	0.67
(3,142)	2:328:A:THR:HG21	2:325:A:PRO:HG3	12	0.67
(3,142)	2:328:A:THR:HG23	2:325:A:PRO:HG3	15	0.67
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	6	0.67
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	2	0.67
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD3	12	0.67
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	9	0.67
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	18	0.67
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	18	0.67
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	14	0.66
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	7	0.66
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG21	8	0.66
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	15	0.66
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	7	0.66
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG21	16	0.66
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	5	0.66
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	11	0.66
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE1	20	0.66
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	2	0.66
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	5	0.66
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	5	0.66
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD11	2	0.66
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	6	0.66
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE2	9	0.66
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	6	0.66
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	16	0.66
(4,3605)	2:330:A:ASP:H	2:327:A:ALA:HB1	11	0.66
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	9	0.66
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	10	0.66
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	6	0.66
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	16	0.66
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG21	7	0.66
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	1	0.66
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	12	0.66
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	17	0.66
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	4	0.66
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	1	0.66
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD23	4	0.66
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD23	11	0.66
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD21	15	0.66
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	2	0.66
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	16	0.66
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	2	0.66
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	17	0.66
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	6	0.66
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD13	1	0.66
(4,1673)	2:235:A:THR:HG22	2:235:A:THR:H	15	0.66
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	4	0.66
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	6	0.66
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	7	0.66
(4,1461)	2:277:A:SER:H	2:276:A:MET:HB2	17	0.66
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	18	0.66
(4,1249)	1:7:B:SER:H	1:5:B:VAL:HG11	12	0.66
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	4	0.66
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	2	0.66
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	3	0.66
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	12	0.66
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	3	0.66
(4,991)	2:244:A:ASP:HB2	2:245:A:GLU:H	2	0.66
(4,911)	2:309:A:VAL:HG23	2:306:A:SER:HB2	8	0.66
(4,911)	2:309:A:VAL:HG22	2:306:A:SER:HB2	18	0.66
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	7	0.66
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	13	0.66
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	13	0.66
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	12	0.66
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	19	0.66
(4,563)	2:320:A:GLU:HG3	2:257:A:LEU:HD12	10	0.66
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	2	0.66
(4,336)	2:298:A:SER:HB3	2:295:A:VAL:HG12	14	0.66
(4,327)	2:321:A:MET:HE2	2:321:A:MET:HG2	15	0.66
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	11	0.66
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	15	0.66
(4,97)	2:338:A:ILE:HD11	2:338:A:ILE:HA	8	0.66
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	10	0.66
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD23	12	0.66
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD21	20	0.66
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	8	0.66
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD13	18	0.66
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	7	0.66
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	1	0.66
(3,424)	2:328:A:THR:HG22	2:325:A:PRO:HG3	4	0.66
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	2	0.66
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	20	0.66
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	19	0.66
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	14	0.66
(3,307)	2:309:A:VAL:H	2:306:A:SER:HB3	3	0.66
(3,293)	2:290:A:ILE:HG21	2:290:A:ILE:H	7	0.66
(3,293)	2:290:A:ILE:HG22	2:290:A:ILE:H	13	0.66
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	13	0.66
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	8	0.66
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	19	0.66
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	18	0.66
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	9	0.66
(3,203)	2:291:A:THR:HG22	2:292:A:ASN:H	10	0.66
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	12	0.66
(3,203)	2:291:A:THR:HG22	2:292:A:ASN:H	14	0.66
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	11	0.66
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD11	19	0.66
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	16	0.66
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB3	11	0.66
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	5	0.66
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	7	0.66
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	9	0.65
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	1	0.65
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	5	0.65
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD21	15	0.65
(4,3859)	2:321:A:MET:HE3	2:333:A:TYR:H	12	0.65
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	13	0.65
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	14	0.65
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	20	0.65
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	9	0.65
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	3	0.65
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	4	0.65
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	18	0.65
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	9	0.65
(4,3167)	2:321:A:MET:HE2	2:321:A:MET:HG2	8	0.65
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	13	0.65
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	7	0.65
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE1	9	0.65
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE1	10	0.65
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD21	13	0.65
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	6	0.65
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	16	0.65
(4,2769)	2:228:A:LEU:HB2	2:228:A:LEU:H	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB3	1	0.65
(4,2523)	2:235:A:THR:HG23	2:235:A:THR:H	20	0.65
(4,2417)	2:229:A:ALA:HB2	2:230:A:GLU:H	3	0.65
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG22	9	0.65
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG23	14	0.65
(4,2243)	2:277:A:SER:H	2:276:A:MET:HB2	9	0.65
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	14	0.65
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	3	0.65
(4,2145)	2:281:A:LEU:HD13	2:337:A:ARG:H	1	0.65
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	6	0.65
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	16	0.65
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	2	0.65
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	17	0.65
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	18	0.65
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	20	0.65
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	7	0.65
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	1	0.65
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	7	0.65
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	18	0.65
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	12	0.65
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	14	0.65
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	19	0.65
(4,911)	2:309:A:VAL:HG21	2:306:A:SER:HB2	9	0.65
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	18	0.65
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	15	0.65
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG22	17	0.65
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	8	0.65
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	15	0.65
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	18	0.65
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	20	0.65
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	17	0.65
(4,327)	2:321:A:MET:HE1	2:321:A:MET:HG2	13	0.65
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG21	2	0.65
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	3	0.65
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	13	0.65
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	16	0.65
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	1	0.65
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	4	0.65
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	13	0.65
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	3	0.65
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD23	11	0.65
(3,571)	2:321:A:MET:HE2	2:321:A:MET:HB3	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,532)	2:246:A:VAL:HG22	2:247:A:GLY:HA2	16	0.65
(3,511)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	6	0.65
(3,511)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	20	0.65
(3,507)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	7	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	3	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	7	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	11	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	13	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	15	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	17	0.65
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	19	0.65
(3,454)	2:237:A:GLU:HG3	2:237:A:GLU:H	10	0.65
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD12	14	0.65
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	9	0.65
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	18	0.65
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	8	0.65
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	16	0.65
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	6	0.65
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	2	0.65
(3,293)	2:290:A:ILE:HG23	2:290:A:ILE:H	10	0.65
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	15	0.65
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	3	0.65
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	8	0.65
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	13	0.65
(3,203)	2:291:A:THR:HG23	2:292:A:ASN:H	8	0.65
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD13	18	0.65
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	8	0.65
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	11	0.65
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	1	0.65
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB3	17	0.65
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	4	0.65
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	18	0.65
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	12	0.65
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	1	0.65
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	18	0.65
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	6	0.64
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	1	0.64
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	10	0.64
(4,4346)	2:338:A:ILE:HD12	2:338:A:ILE:HA	13	0.64
(4,4260)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	17	0.64
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	3	0.64
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	19	0.64
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	20	0.64
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	14	0.64
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	8	0.64
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	9	0.64
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	14	0.64
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	16	0.64
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	2	0.64
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	15	0.64
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG13	15	0.64
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	9	0.64
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	15	0.64
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	20	0.64
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	8	0.64
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	10	0.64
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	19	0.64
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	12	0.64
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	13	0.64
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	18	0.64
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	3	0.64
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	9	0.64
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	17	0.64
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	18	0.64
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	19	0.64
(4,3393)	2:347:A:LEU:H	2:346:A:SER:HB3	10	0.64
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	18	0.64
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	5	0.64
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	18	0.64
(4,3167)	2:321:A:MET:HE3	2:321:A:MET:HG2	3	0.64
(4,3167)	2:321:A:MET:HE1	2:321:A:MET:HG2	20	0.64
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	8	0.64
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	15	0.64
(4,2895)	2:338:A:ILE:HD12	2:338:A:ILE:HA	17	0.64
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	6	0.64
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD21	5	0.64
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD23	19	0.64
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	13	0.64
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB2	6	0.64
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	20	0.64
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	3	0.64
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG23	3	0.64
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2257)	2:285:A:LEU:HD21	2:288:A:GLY:H	17	0.64
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG23	17	0.64
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	5	0.64
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	16	0.64
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	10	0.64
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	12	0.64
(4,1875)	2:228:A:LEU:HB2	2:228:A:LEU:H	2	0.64
(4,1673)	2:235:A:THR:HG23	2:235:A:THR:H	20	0.64
(4,1589)	2:229:A:ALA:HB2	2:230:A:GLU:H	3	0.64
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG22	9	0.64
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG23	14	0.64
(4,1461)	2:277:A:SER:H	2:276:A:MET:HB2	9	0.64
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	14	0.64
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	3	0.64
(4,1379)	2:281:A:LEU:HD13	2:337:A:ARG:H	1	0.64
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	9	0.64
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	11	0.64
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG21	13	0.64
(4,1221)	2:276:A:MET:HE1	2:304:A:PHE:H	7	0.64
(4,1174)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	17	0.64
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG21	16	0.64
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	16	0.64
(4,1088)	2:284:A:MET:HE1	2:288:A:GLY:H	19	0.64
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	20	0.64
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	6	0.64
(4,563)	2:320:A:GLU:HG3	2:257:A:LEU:HD11	14	0.64
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	13	0.64
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	11	0.64
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	13	0.64
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	14	0.64
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	2	0.64
(4,327)	2:321:A:MET:HE2	2:321:A:MET:HG2	8	0.64
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG21	7	0.64
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	7	0.64
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE1	9	0.64
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	12	0.64
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	17	0.64
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	4	0.64
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	1	0.64
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD23	4	0.64
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD21	15	0.64
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD3	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	1	0.64
(3,519)	2:339:A:ILE:HG22	2:341:A:LYS:HD3	14	0.64
(3,496)	2:343:A:GLU:HG3	2:343:A:GLU:HA	1	0.64
(3,496)	2:343:A:GLU:HG2	2:343:A:GLU:HA	13	0.64
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	1	0.64
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	5	0.64
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	10	0.64
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	13	0.64
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	8	0.64
(3,424)	2:328:A:THR:HG22	2:325:A:PRO:HG3	19	0.64
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	15	0.64
(3,293)	2:318:A:ILE:HD13	2:290:A:ILE:H	18	0.64
(3,236)	2:314:A:ASN:H	2:265:A:GLN:HB2	8	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	5	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	7	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	11	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	15	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	17	0.64
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	19	0.64
(3,213)	2:237:A:GLU:HG3	2:237:A:GLU:H	10	0.64
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	13	0.64
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD12	14	0.64
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	1	0.64
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	14	0.64
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	6	0.64
(3,93)	2:290:A:ILE:HG21	2:290:A:ILE:H	7	0.64
(3,93)	2:290:A:ILE:HG22	2:290:A:ILE:H	13	0.64
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	12	0.64
(3,44)	2:246:A:VAL:HG22	2:247:A:GLY:HA2	16	0.64
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	14	0.64
(3,24)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	6	0.64
(3,24)	2:302:A:LYS:HE3	2:302:A:LYS:HB2	20	0.64
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	8	0.64
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	13	0.63
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG21	12	0.63
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	19	0.63
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	20	0.63
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	2	0.63
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	18	0.63
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE1	10	0.63
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	19	0.63
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	20	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD11	15	0.63
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD12	17	0.63
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	6	0.63
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	17	0.63
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	17	0.63
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	4	0.63
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	10	0.63
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	2	0.63
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	10	0.63
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	1	0.63
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	4	0.63
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	16	0.63
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	1	0.63
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	18	0.63
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	13	0.63
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	12	0.63
(4,3167)	2:321:A:MET:HE2	2:321:A:MET:HG2	12	0.63
(4,3167)	2:321:A:MET:HE3	2:321:A:MET:HG2	14	0.63
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	16	0.63
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	18	0.63
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD22	16	0.63
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	14	0.63
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	18	0.63
(4,2762)	2:250:A:VAL:HG21	2:250:A:VAL:H	2	0.63
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD23	8	0.63
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	19	0.63
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	7	0.63
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	12	0.63
(4,2673)	2:340:A:PHE:HE1	2:312:A:VAL:H	2	0.63
(4,2627)	2:291:A:THR:HG21	2:287:A:ASP:H	15	0.63
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	8	0.63
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	20	0.63
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	1	0.63
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG21	3	0.63
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	7	0.63
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG23	14	0.63
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG22	18	0.63
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	4	0.63
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	8	0.63
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	14	0.63
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	13	0.63
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	18	0.63
(4,1871)	2:250:A:VAL:HG21	2:250:A:VAL:H	2	0.63
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	20	0.63
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	11	0.63
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG23	3	0.63
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	10	0.63
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG23	17	0.63
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	16	0.63
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	14	0.63
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG21	8	0.63
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	11	0.63
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	14	0.63
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	19	0.63
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE1	20	0.63
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	2	0.63
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	16	0.63
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	2	0.63
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	18	0.63
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	16	0.63
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	1	0.63
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	7	0.63
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	19	0.63
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	9	0.63
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	13	0.63
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE1	10	0.63
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	6	0.63
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD21	13	0.63
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	3	0.63
(3,519)	2:339:A:ILE:HG23	2:341:A:LYS:HD3	15	0.63
(3,508)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	18	0.63
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	2	0.63
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	9	0.63
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	1	0.63
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	3	0.63
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	11	0.63
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	15	0.63
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	11	0.63
(3,334)	2:291:A:THR:HG22	2:292:A:ASN:H	17	0.63
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	11	0.63
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	4	0.63
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	7	0.63
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,203)	2:291:A:THR:HG21	2:292:A:ASN:H	1	0.63
(3,165)	2:318:A:ILE:HD11	2:290:A:ILE:H	5	0.63
(3,93)	2:290:A:ILE:HG23	2:290:A:ILE:H	10	0.63
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	4	0.63
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	8	0.63
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	15	0.63
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	16	0.63
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	1	0.63
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	9	0.63
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD13	4	0.63
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	1	0.63
(3,31)	2:339:A:ILE:HG22	2:341:A:LYS:HD3	14	0.63
(3,22)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	7	0.63
(3,11)	2:343:A:GLU:HG3	2:343:A:GLU:HA	1	0.63
(3,11)	2:343:A:GLU:HG2	2:343:A:GLU:HA	13	0.63
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	12	0.63
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	13	0.63
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	15	0.63
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	15	0.62
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	12	0.62
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	16	0.62
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	19	0.62
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	12	0.62
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	15	0.62
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	14	0.62
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	18	0.62
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	2	0.62
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	19	0.62
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	15	0.62
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	2	0.62
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	3	0.62
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	10	0.62
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	15	0.62
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG23	15	0.62
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	4	0.62
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	7	0.62
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	7	0.62
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	5	0.62
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	18	0.62
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	19	0.62
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	4	0.62
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD21	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	15	0.62
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	19	0.62
(4,3334)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	8	0.62
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	1	0.62
(4,3323)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	10	0.62
(4,3300)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	14	0.62
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	15	0.62
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	4	0.62
(4,3167)	2:321:A:MET:HE2	2:321:A:MET:HG2	1	0.62
(4,3136)	2:273:A:ARG:HA	2:273:A:ARG:HD3	12	0.62
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	10	0.62
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	11	0.62
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	5	0.62
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	4	0.62
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	8	0.62
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	12	0.62
(4,3052)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	18	0.62
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	3	0.62
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	4	0.62
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	11	0.62
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	6	0.62
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD23	16	0.62
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD22	18	0.62
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD11	7	0.62
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	9	0.62
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	19	0.62
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	17	0.62
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	11	0.62
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	14	0.62
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	18	0.62
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	2	0.62
(4,2585)	2:257:A:LEU:HD13	2:257:A:LEU:H	4	0.62
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	7	0.62
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	9	0.62
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	13	0.62
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG23	17	0.62
(4,2272)	2:295:A:VAL:HG23	2:306:A:SER:H	20	0.62
(4,2232)	2:250:A:VAL:HG21	2:251:A:THR:H	18	0.62
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	9	0.62
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	2	0.62
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	10	0.62
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD23	8	0.62
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	19	0.62
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	7	0.62
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	12	0.62
(4,1796)	2:340:A:PHE:HE1	2:312:A:VAL:H	2	0.62
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	3	0.62
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	8	0.62
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	20	0.62
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	1	0.62
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG21	3	0.62
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	7	0.62
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG23	14	0.62
(4,1472)	2:285:A:LEU:HD21	2:288:A:GLY:H	17	0.62
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG22	18	0.62
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	5	0.62
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	8	0.62
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	14	0.62
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	7	0.62
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	7	0.62
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD13	15	0.62
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	2	0.62
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	5	0.62
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG22	3	0.62
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	4	0.62
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG22	19	0.62
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	1	0.62
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE2	9	0.62
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	6	0.62
(4,641)	2:330:A:ASP:H	2:327:A:ALA:HB1	11	0.62
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	9	0.62
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	1	0.62
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	18	0.62
(4,327)	2:321:A:MET:HE3	2:321:A:MET:HG2	3	0.62
(4,327)	2:321:A:MET:HE1	2:321:A:MET:HG2	20	0.62
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	8	0.62
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	15	0.62
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	18	0.62
(4,97)	2:338:A:ILE:HD12	2:338:A:ILE:HA	17	0.62
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD22	16	0.62
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD21	5	0.62
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD23	19	0.62
(3,496)	2:343:A:GLU:HG3	2:343:A:GLU:HA	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	4	0.62
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	10	0.62
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	12	0.62
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	16	0.62
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	19	0.62
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	8	0.62
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	19	0.62
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	10	0.62
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	13	0.62
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	14	0.62
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	2	0.62
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	11	0.62
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	17	0.62
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	14	0.62
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD13	14	0.62
(3,367)	2:332:A:LEU:HD12	2:328:A:THR:HA	20	0.62
(3,359)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	11	0.62
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	4	0.62
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	8	0.62
(3,276)	2:339:A:ILE:HG23	2:339:A:ILE:H	8	0.62
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	14	0.62
(3,236)	2:314:A:ASN:H	2:265:A:GLN:HB2	14	0.62
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	2	0.62
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	9	0.62
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	10	0.62
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	12	0.62
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	15	0.62
(3,165)	2:290:A:ILE:HG21	2:290:A:ILE:H	19	0.62
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD13	15	0.62
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	13	0.62
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	19	0.62
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	10	0.62
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	18	0.62
(3,78)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	6	0.62
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	13	0.62
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	14	0.62
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	17	0.62
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	9	0.62
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	3	0.62
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	14	0.62
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	17	0.62
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	18	0.61
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	18	0.61
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	3	0.61
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	20	0.61
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	2	0.61
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	6	0.61
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	11	0.61
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	18	0.61
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	9	0.61
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	20	0.61
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	4	0.61
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	9	0.61
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	19	0.61
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	13	0.61
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	1	0.61
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	13	0.61
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG13	8	0.61
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	3	0.61
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	2	0.61
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	9	0.61
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	10	0.61
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	16	0.61
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE1	16	0.61
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	5	0.61
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	9	0.61
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	4	0.61
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	3	0.61
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	10	0.61
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	12	0.61
(4,3484)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	7	0.61
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	10	0.61
(4,3407)	2:284:A:MET:H	2:284:A:MET:HG2	10	0.61
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	4	0.61
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	15	0.61
(4,3323)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	7	0.61
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	12	0.61
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	14	0.61
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	12	0.61
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	13	0.61
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	15	0.61
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	6	0.61
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD22	8	0.61
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD23	10	0.61
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	8	0.61
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	1	0.61
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	11	0.61
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	16	0.61
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	17	0.61
(4,2585)	2:257:A:LEU:HD13	2:257:A:LEU:H	19	0.61
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG22	6	0.61
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	6	0.61
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	18	0.61
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	15	0.61
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	6	0.61
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	19	0.61
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	1	0.61
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	19	0.61
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	11	0.61
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	14	0.61
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	18	0.61
(4,1755)	2:291:A:THR:HG21	2:287:A:ASP:H	15	0.61
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	2	0.61
(4,1721)	2:257:A:LEU:HD13	2:257:A:LEU:H	4	0.61
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	7	0.61
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	9	0.61
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	13	0.61
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG23	17	0.61
(4,1487)	2:295:A:VAL:HG23	2:306:A:SER:H	20	0.61
(4,1452)	2:250:A:VAL:HG21	2:251:A:THR:H	18	0.61
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	4	0.61
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	2	0.61
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	10	0.61
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	6	0.61
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	15	0.61
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	5	0.61
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	11	0.61
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	8	0.61
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	6	0.61
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	1	0.61
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	5	0.61
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD21	15	0.61
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	10	0.61
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	15	0.61
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	20	0.61
(4,836)	2:321:A:MET:HE3	2:333:A:TYR:H	12	0.61
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	12	0.61
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	13	0.61
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	18	0.61
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	13	0.61
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	14	0.61
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	20	0.61
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	3	0.61
(4,482)	2:347:A:LEU:H	2:346:A:SER:HB3	10	0.61
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	2	0.61
(4,435)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	10	0.61
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	18	0.61
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE3	16	0.61
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	12	0.61
(4,327)	2:321:A:MET:HE2	2:321:A:MET:HG2	12	0.61
(4,327)	2:321:A:MET:HE3	2:321:A:MET:HG2	14	0.61
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	3	0.61
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	4	0.61
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	16	0.61
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD23	16	0.61
(3,519)	2:339:A:ILE:HG22	2:341:A:LYS:HD3	7	0.61
(3,496)	2:343:A:GLU:HG2	2:343:A:GLU:HA	17	0.61
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	17	0.61
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.61
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG12	6	0.61
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.61
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	9	0.61
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	10	0.61
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	15	0.61
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	2	0.61
(3,424)	2:328:A:THR:HG22	2:325:A:PRO:HG3	6	0.61
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	7	0.61
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	9	0.61
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	7	0.61
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	9	0.61
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	16	0.61
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	9	0.61
(3,334)	2:291:A:THR:HG22	2:292:A:ASN:H	10	0.61
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	12	0.61
(3,334)	2:291:A:THR:HG22	2:292:A:ASN:H	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	5	0.61
(3,236)	2:314:A:ASN:H	2:265:A:GLN:HB2	5	0.61
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	4	0.61
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	16	0.61
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	19	0.61
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	18	0.61
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	2	0.61
(3,96)	2:321:A:MET:HE2	2:321:A:MET:HB3	4	0.61
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	5	0.61
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD21	8	0.61
(3,31)	2:339:A:ILE:HG23	2:341:A:LYS:HD3	15	0.61
(3,23)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	18	0.61
(3,11)	2:343:A:GLU:HG3	2:343:A:GLU:HA	8	0.61
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	6	0.61
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	7	0.61
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	2	0.6
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	17	0.6
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	20	0.6
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	7	0.6
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	15	0.6
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	11	0.6
(4,4346)	2:338:A:ILE:HD12	2:338:A:ILE:HA	15	0.6
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	18	0.6
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE1	9	0.6
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD11	4	0.6
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	6	0.6
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	14	0.6
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	7	0.6
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	5	0.6
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	4	0.6
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	1	0.6
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	16	0.6
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	17	0.6
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	16	0.6
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	7	0.6
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	8	0.6
(4,3457)	2:306:A:SER:HB2	2:303:A:PRO:HA	15	0.6
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	5	0.6
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD11	2	0.6
(4,3334)	1:1:B:ALA:HB2	2:336:A:ARG:HD3	9	0.6
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	2	0.6
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	20	0.6
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	3	0.6
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	7	0.6
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	8	0.6
(4,3300)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	20	0.6
(4,3292)	1:9:B:GLY:HA3	2:263:A:SER:HB3	12	0.6
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	12	0.6
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	4	0.6
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD12	13	0.6
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	2	0.6
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	14	0.6
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	1	0.6
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	20	0.6
(4,2774)	2:231:A:LEU:H	2:230:A:GLU:HB2	3	0.6
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	4	0.6
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD23	6	0.6
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	13	0.6
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	2	0.6
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	9	0.6
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD23	10	0.6
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	6	0.6
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	5	0.6
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	14	0.6
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	18	0.6
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	5	0.6
(4,2477)	2:299:A:SER:H	2:278:A:VAL:HG12	10	0.6
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	15	0.6
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	17	0.6
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	15	0.6
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	8	0.6
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	8	0.6
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	17	0.6
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	1	0.6
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	11	0.6
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	14	0.6
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	16	0.6
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	17	0.6
(4,1721)	2:257:A:LEU:HD13	2:257:A:LEU:H	19	0.6
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG22	6	0.6
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	6	0.6
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	18	0.6
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	9	0.6
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	6	0.6
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	13	0.6
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	1	0.6
(4,1174)	2:312:A:VAL:HG12	2:338:A:ILE:HG22	9	0.6
(4,1159)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	17	0.6
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	10	0.6
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	19	0.6
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	20	0.6
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE1	10	0.6
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	6	0.6
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	2	0.6
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	15	0.6
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	9	0.6
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG13	15	0.6
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	4	0.6
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	10	0.6
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	10	0.6
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	3	0.6
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	9	0.6
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	17	0.6
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	18	0.6
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	9	0.6
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG22	18	0.6
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD11	14	0.6
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	4	0.6
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	1	0.6
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	1	0.6
(4,435)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	7	0.6
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	12	0.6
(4,327)	2:321:A:MET:HE2	2:321:A:MET:HG2	1	0.6
(4,305)	2:273:A:ARG:HA	2:273:A:ARG:HD3	12	0.6
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	10	0.6
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	11	0.6
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	5	0.6
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	4	0.6
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	8	0.6
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	12	0.6
(4,231)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	18	0.6
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	6	0.6
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	11	0.6
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD22	18	0.6
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	16	0.6
(3,496)	2:343:A:GLU:HG3	2:343:A:GLU:HA	11	0.6
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	2	0.6
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	8	0.6
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD23	11	0.6
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	16	0.6
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	20	0.6
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	8	0.6
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	6	0.6
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	18	0.6
(3,334)	2:291:A:THR:HG23	2:292:A:ASN:H	8	0.6
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	2	0.6
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	12	0.6
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	18	0.6
(3,236)	2:314:A:ASN:H	2:265:A:GLN:HB2	15	0.6
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	8	0.6
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	17	0.6
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.6
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG12	6	0.6
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.6
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	9	0.6
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	10	0.6
(3,110)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	18	0.6
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	7	0.6
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD3	18	0.6
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	1	0.6
(3,31)	2:339:A:ILE:HG22	2:341:A:LYS:HD3	7	0.6
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	2	0.6
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	10	0.6
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	19	0.6
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	3	0.59
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG21	5	0.59
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	8	0.59
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	4	0.59
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	2	0.59
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	12	0.59
(4,4251)	1:6:B:ILE:HG22	2:338:A:ILE:HD13	19	0.59
(4,4236)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	10	0.59
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	8	0.59
(4,4227)	2:347:A:LEU:HD12	2:346:A:SER:HB3	1	0.59
(4,4179)	2:284:A:MET:HE3	2:321:A:MET:H	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	14	0.59
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	10	0.59
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	20	0.59
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG22	12	0.59
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	18	0.59
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	9	0.59
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	3	0.59
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	5	0.59
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG13	12	0.59
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	18	0.59
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	1	0.59
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	5	0.59
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	17	0.59
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	8	0.59
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	6	0.59
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	3	0.59
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	5	0.59
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	1	0.59
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	6	0.59
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	2	0.59
(4,3334)	1:1:B:ALA:HB3	2:336:A:ARG:HD3	10	0.59
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	4	0.59
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	5	0.59
(4,3323)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	9	0.59
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	13	0.59
(4,3323)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	15	0.59
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	17	0.59
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	5	0.59
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	18	0.59
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG23	5	0.59
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	7	0.59
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	3	0.59
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	5	0.59
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD12	13	0.59
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	19	0.59
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	18	0.59
(4,2875)	2:281:A:LEU:HA	2:281:A:LEU:HD21	7	0.59
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD23	7	0.59
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	19	0.59
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	1	0.59
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	20	0.59
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2629)	2:285:A:LEU:HD21	2:287:A:ASP:H	2	0.59
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	9	0.59
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	13	0.59
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	14	0.59
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	15	0.59
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	18	0.59
(4,2523)	2:235:A:THR:HG23	2:235:A:THR:H	10	0.59
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	9	0.59
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	9	0.59
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	8	0.59
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG13	10	0.59
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	13	0.59
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG23	10	0.59
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	13	0.59
(4,2174)	2:276:A:MET:HE3	2:276:A:MET:H	4	0.59
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	1	0.59
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	3	0.59
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	4	0.59
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	13	0.59
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	11	0.59
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	12	0.59
(4,1880)	2:231:A:LEU:H	2:230:A:GLU:HB2	3	0.59
(4,1853)	2:339:A:ILE:HG12	2:339:A:ILE:H	18	0.59
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD23	6	0.59
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	2	0.59
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	9	0.59
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD23	10	0.59
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	6	0.59
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	5	0.59
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	18	0.59
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	5	0.59
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	9	0.59
(4,1636)	2:299:A:SER:H	2:278:A:VAL:HG12	10	0.59
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	15	0.59
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	17	0.59
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG21	12	0.59
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	19	0.59
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	3	0.59
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	14	0.59
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	19	0.59
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	20	0.59
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD11	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	17	0.59
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	17	0.59
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	5	0.59
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	14	0.59
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	3	0.59
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	7	0.59
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	5	0.59
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	18	0.59
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	19	0.59
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	8	0.59
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	19	0.59
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	2	0.59
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD21	10	0.59
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	1	0.59
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	16	0.59
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	4	0.59
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	15	0.59
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	2	0.59
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	14	0.59
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	20	0.59
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	15	0.59
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	14	0.59
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	1	0.59
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD22	8	0.59
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD23	10	0.59
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	1	0.59
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD23	5	0.59
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	6	0.59
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	14	0.59
(3,457)	2:310:A:ALA:H	2:309:A:VAL:HG13	14	0.59
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG23	4	0.59
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	9	0.59
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD12	13	0.59
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	18	0.59
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	13	0.59
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	7	0.59
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	1	0.59
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	2	0.59
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD23	11	0.59
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	14	0.59
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	16	0.59
(3,216)	2:310:A:ALA:H	2:309:A:VAL:HG13	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,178)	2:276:A:MET:HB3	2:273:A:ARG:H	9	0.59
(3,154)	2:321:A:MET:HE3	2:333:A:TYR:HA	3	0.59
(3,110)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	7	0.59
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	8	0.59
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	7	0.59
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	2	0.59
(3,78)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	7	0.59
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	1	0.59
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD12	17	0.59
(3,11)	2:343:A:GLU:HG3	2:343:A:GLU:HA	11	0.59
(3,11)	2:343:A:GLU:HG2	2:343:A:GLU:HA	17	0.59
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	10	0.58
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	1	0.58
(4,4236)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	7	0.58
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	12	0.58
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	1	0.58
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	9	0.58
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	12	0.58
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG23	15	0.58
(4,4171)	2:284:A:MET:HE1	2:288:A:GLY:H	1	0.58
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	6	0.58
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	1	0.58
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	10	0.58
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	10	0.58
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	15	0.58
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	19	0.58
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	14	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	2	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG13	6	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	9	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	10	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG13	11	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	13	0.58
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG12	20	0.58
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	11	0.58
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	20	0.58
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	18	0.58
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	15	0.58
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	20	0.58
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	9	0.58
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	10	0.58
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3646)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	7	0.58
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	2	0.58
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	18	0.58
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	6	0.58
(4,3335)	2:258:A:ILE:HD11	2:333:A:TYR:HA	8	0.58
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	3	0.58
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	8	0.58
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	11	0.58
(4,3323)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	16	0.58
(4,3323)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	19	0.58
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	2	0.58
(4,3300)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	17	0.58
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE1	20	0.58
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	17	0.58
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	8	0.58
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	17	0.58
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	7	0.58
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	15	0.58
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	2	0.58
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	6	0.58
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD12	16	0.58
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	9	0.58
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	3	0.58
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	16	0.58
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE1	19	0.58
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE3	20	0.58
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	7	0.58
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	7	0.58
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD23	1	0.58
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD23	2	0.58
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD11	12	0.58
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	14	0.58
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	17	0.58
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	11	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD23	3	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	4	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	6	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	13	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD23	14	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	15	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	18	0.58
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	19	0.58
(4,2671)	2:262:A:VAL:HG21	2:311:A:ALA:H	14	0.58
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	8	0.58
(4,2585)	2:257:A:LEU:HD13	2:257:A:LEU:H	3	0.58
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	13	0.58
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	19	0.58
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	12	0.58
(4,2523)	2:235:A:THR:HG23	2:235:A:THR:H	6	0.58
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	1	0.58
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG13	17	0.58
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	8	0.58
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	10	0.58
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	17	0.58
(4,2174)	2:276:A:MET:HE3	2:276:A:MET:H	2	0.58
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	8	0.58
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	18	0.58
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	7	0.58
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	13	0.58
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	11	0.58
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	1	0.58
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	13	0.58
(4,1757)	2:285:A:LEU:HD21	2:287:A:ASP:H	2	0.58
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	9	0.58
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	13	0.58
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	14	0.58
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	15	0.58
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	18	0.58
(4,1673)	2:235:A:THR:HG23	2:235:A:THR:H	10	0.58
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	8	0.58
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG23	10	0.58
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	13	0.58
(4,1405)	2:276:A:MET:HE3	2:276:A:MET:H	4	0.58
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	3	0.58
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	15	0.58
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	2	0.58
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	15	0.58
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	18	0.58
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	12	0.58
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	20	0.58
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	12	0.58
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	15	0.58
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	3	0.58
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	10	0.58
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	15	0.58
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	1	0.58
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG23	16	0.58
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG21	18	0.58
(4,862)	2:296:A:SER:H	2:295:A:VAL:HG22	20	0.58
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	4	0.58
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	7	0.58
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	16	0.58
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	2	0.58
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	9	0.58
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	10	0.58
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	16	0.58
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD21	15	0.58
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	15	0.58
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	4	0.58
(4,586)	2:341:A:LYS:HB3	2:339:A:ILE:HG23	8	0.58
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	4	0.58
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	10	0.58
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	17	0.58
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	19	0.58
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD11	6	0.58
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	7	0.58
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	13	0.58
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	6	0.58
(4,435)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	9	0.58
(4,435)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	15	0.58
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	17	0.58
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	13	0.58
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	4	0.58
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD12	13	0.58
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	7	0.58
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	2	0.58
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	18	0.58
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	12	0.58
(3,471)	2:238:A:ARG:HG3	2:238:A:ARG:H	14	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	3	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	7	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	15	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	18	0.58
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,454)	2:237:A:GLU:HG2	2:237:A:GLU:H	13	0.58
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	16	0.58
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	4	0.58
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	18	0.58
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	11	0.58
(3,334)	2:291:A:THR:HG21	2:292:A:ASN:H	1	0.58
(3,317)	2:314:A:ASN:H	2:265:A:GLN:HB2	8	0.58
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	7	0.58
(3,293)	2:318:A:ILE:HD11	2:290:A:ILE:H	5	0.58
(3,279)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	6	0.58
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	15	0.58
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	3	0.58
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD23	5	0.58
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	6	0.58
(3,110)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	4	0.58
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	18	0.58
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	20	0.58
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	3	0.58
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	20	0.58
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	4	0.58
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	10	0.58
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	7	0.58
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	20	0.58
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	1	0.57
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	14	0.57
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	5	0.57
(4,4346)	2:338:A:ILE:HD12	2:338:A:ILE:HA	9	0.57
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	2	0.57
(4,4260)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	11	0.57
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD13	2	0.57
(4,4251)	1:6:B:ILE:HG21	2:338:A:ILE:HD12	11	0.57
(4,4247)	2:339:A:ILE:HG12	2:339:A:ILE:H	18	0.57
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	2	0.57
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	6	0.57
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	14	0.57
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	20	0.57
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	5	0.57
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	16	0.57
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	18	0.57
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	6	0.57
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	12	0.57
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	9	0.57
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD13	14	0.57
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	7	0.57
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	8	0.57
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	13	0.57
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	11	0.57
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	13	0.57
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	14	0.57
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	16	0.57
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	3	0.57
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	9	0.57
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	15	0.57
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	19	0.57
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	8	0.57
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	18	0.57
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	13	0.57
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	15	0.57
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	13	0.57
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	14	0.57
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	6	0.57
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	15	0.57
(4,3136)	2:273:A:ARG:HA	2:273:A:ARG:HD3	6	0.57
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	6	0.57
(4,3119)	2:338:A:ILE:HG21	2:280:A:VAL:HG23	5	0.57
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	8	0.57
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	1	0.57
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	3	0.57
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	17	0.57
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	13	0.57
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	16	0.57
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	20	0.57
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	10	0.57
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	7	0.57
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	20	0.57
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD21	9	0.57
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	10	0.57
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	4	0.57
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	11	0.57
(4,2775)	2:229:A:ALA:HB2	2:231:A:LEU:H	15	0.57
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB3	8	0.57
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	16	0.57
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	6	0.57
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	14	0.57
(4,2523)	2:235:A:THR:HG22	2:235:A:THR:H	1	0.57
(4,2514)	2:245:A:GLU:H	2:245:A:GLU:HB3	7	0.57
(4,2417)	2:229:A:ALA:HB1	2:230:A:GLU:H	2	0.57
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	12	0.57
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	15	0.57
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	1	0.57
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	10	0.57
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	14	0.57
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	18	0.57
(4,2174)	2:276:A:MET:HE3	2:276:A:MET:H	14	0.57
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	18	0.57
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	5	0.57
(4,2138)	2:327:A:ALA:HB2	2:326:A:ARG:H	7	0.57
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	13	0.57
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	15	0.57
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG22	17	0.57
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	20	0.57
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	11	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	1	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD23	3	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	6	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD23	14	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	15	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	18	0.57
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	19	0.57
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	19	0.57
(4,1794)	2:262:A:VAL:HG21	2:311:A:ALA:H	14	0.57
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	8	0.57
(4,1721)	2:257:A:LEU:HD13	2:257:A:LEU:H	3	0.57
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	13	0.57
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	19	0.57
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	12	0.57
(4,1673)	2:235:A:THR:HG23	2:235:A:THR:H	6	0.57
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	1	0.57
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE3	9	0.57
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG13	10	0.57
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	13	0.57
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG13	17	0.57
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	8	0.57
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	1	0.57
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	4	0.57
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	18	0.57
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	7	0.57
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	15	0.57
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG22	5	0.57
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	16	0.57
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	2	0.57
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	6	0.57
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	11	0.57
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	14	0.57
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE1	9	0.57
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	9	0.57
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	20	0.57
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	2	0.57
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	4	0.57
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	9	0.57
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	19	0.57
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	13	0.57
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG13	8	0.57
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	17	0.57
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	17	0.57
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE1	16	0.57
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	4	0.57
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	5	0.57
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	4	0.57
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	3	0.57
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	10	0.57
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	12	0.57
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	19	0.57
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	11	0.57
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	19	0.57
(4,553)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	7	0.57
(4,496)	2:284:A:MET:H	2:284:A:MET:HG2	10	0.57
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	3	0.57
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	4	0.57
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	5	0.57
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	8	0.57
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	11	0.57
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	13	0.57
(4,435)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	16	0.57
(4,435)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	5	0.57
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	6	0.57
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD12	16	0.57
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG23	5	0.57
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	16	0.57
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE1	19	0.57
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	3	0.57
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	5	0.57
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD12	13	0.57
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	19	0.57
(4,80)	2:281:A:LEU:HA	2:281:A:LEU:HD21	7	0.57
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD23	2	0.57
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD23	7	0.57
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	5	0.57
(3,508)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	19	0.57
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	5	0.57
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD21	4	0.57
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	13	0.57
(3,454)	2:237:A:GLU:HG3	2:237:A:GLU:H	14	0.57
(3,424)	2:328:A:THR:HG21	2:325:A:PRO:HG3	12	0.57
(3,424)	2:328:A:THR:HG23	2:325:A:PRO:HG3	15	0.57
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	12	0.57
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	11	0.57
(3,412)	2:290:A:ILE:HG21	2:290:A:ILE:H	7	0.57
(3,412)	2:290:A:ILE:HG22	2:290:A:ILE:H	13	0.57
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD11	19	0.57
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	12	0.57
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	7	0.57
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD13	4	0.57
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	1	0.57
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	18	0.57
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	15	0.57
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	5	0.57
(3,311)	2:339:A:ILE:HG23	2:339:A:ILE:H	8	0.57
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	14	0.57
(3,293)	2:290:A:ILE:HG21	2:290:A:ILE:H	19	0.57
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	12	0.57
(3,242)	2:238:A:ARG:HG3	2:238:A:ARG:H	14	0.57
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	4	0.57
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	7	0.57
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	15	0.57
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD21	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	19	0.57
(3,213)	2:237:A:GLU:HG2	2:237:A:GLU:H	13	0.57
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	7	0.57
(3,130)	2:284:A:MET:HE3	2:336:A:ARG:H	16	0.57
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	3	0.57
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	19	0.57
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.57
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	3	0.57
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	4	0.57
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	9	0.57
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	6	0.56
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	5	0.56
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	18	0.56
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	4	0.56
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	13	0.56
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	4	0.56
(4,4236)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	9	0.56
(4,4236)	2:257:A:LEU:HD23	2:257:A:LEU:HB2	15	0.56
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	17	0.56
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	4	0.56
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	7	0.56
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	13	0.56
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	8	0.56
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	13	0.56
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	4	0.56
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD13	20	0.56
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	17	0.56
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	10	0.56
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	1	0.56
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	16	0.56
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	14	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	2	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	4	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	5	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	6	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	8	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	9	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	17	0.56
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	20	0.56
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	12	0.56
(4,3889)	2:295:A:VAL:H	2:295:A:VAL:HG11	14	0.56
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	11	0.56
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	10	0.56
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	19	0.56
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	11	0.56
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	18	0.56
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	11	0.56
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	15	0.56
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	9	0.56
(4,3119)	2:338:A:ILE:HG21	2:280:A:VAL:HG21	9	0.56
(4,3119)	2:338:A:ILE:HG21	2:280:A:VAL:HG23	15	0.56
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	19	0.56
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG22	20	0.56
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD12	13	0.56
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	9	0.56
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	12	0.56
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	18	0.56
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	10	0.56
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	13	0.56
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	3	0.56
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	6	0.56
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	11	0.56
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	7	0.56
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	9	0.56
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	1	0.56
(4,2629)	2:285:A:LEU:HD22	2:287:A:ASP:H	1	0.56
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	4	0.56
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG21	9	0.56
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	10	0.56
(4,2523)	2:235:A:THR:HG21	2:235:A:THR:H	14	0.56
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	5	0.56
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	10	0.56
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	1	0.56
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	12	0.56
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	5	0.56
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	11	0.56
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	3	0.56
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	5	0.56
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	6	0.56
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	7	0.56
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	20	0.56
(4,2174)	2:276:A:MET:HE3	2:276:A:MET:H	1	0.56
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2068)	2:347:A:LEU:H	2:346:A:SER:HB3	8	0.56
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	2	0.56
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	6	0.56
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	11	0.56
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	15	0.56
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	16	0.56
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	4	0.56
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	13	0.56
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	7	0.56
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	6	0.56
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	14	0.56
(4,1673)	2:235:A:THR:HG22	2:235:A:THR:H	1	0.56
(4,1666)	2:245:A:GLU:H	2:245:A:GLU:HB3	7	0.56
(4,1589)	2:229:A:ALA:HB1	2:230:A:GLU:H	2	0.56
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	15	0.56
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	1	0.56
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	10	0.56
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	14	0.56
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	17	0.56
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	18	0.56
(4,1405)	2:276:A:MET:HE3	2:276:A:MET:H	2	0.56
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	8	0.56
(4,1405)	2:276:A:MET:HE3	2:276:A:MET:H	14	0.56
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	18	0.56
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	5	0.56
(4,1374)	2:327:A:ALA:HB2	2:326:A:ARG:H	7	0.56
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	13	0.56
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	3	0.56
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	17	0.56
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	20	0.56
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	8	0.56
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	18	0.56
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	2	0.56
(4,1174)	2:312:A:VAL:HG13	2:338:A:ILE:HG22	8	0.56
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	18	0.56
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD11	15	0.56
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD12	17	0.56
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	7	0.56
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	5	0.56
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	13	0.56
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	1	0.56
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG13	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	16	0.56
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	18	0.56
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	1	0.56
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	5	0.56
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	11	0.56
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	6	0.56
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	9	0.56
(4,586)	2:341:A:LYS:HB3	2:339:A:ILE:HG21	5	0.56
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	6	0.56
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	7	0.56
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	13	0.56
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	2	0.56
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	3	0.56
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD11	2	0.56
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	20	0.56
(4,437)	2:258:A:ILE:HD11	2:333:A:TYR:HA	8	0.56
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE1	10	0.56
(4,305)	2:273:A:ARG:HA	2:273:A:ARG:HD3	6	0.56
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	17	0.56
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	8	0.56
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	1	0.56
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	2	0.56
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	17	0.56
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	9	0.56
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	3	0.56
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE3	20	0.56
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	7	0.56
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	7	0.56
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD23	1	0.56
(3,592)	2:337:A:ARG:HD2	2:337:A:ARG:H	18	0.56
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	5	0.56
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	1	0.56
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD23	10	0.56
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	12	0.56
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG22	18	0.56
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	8	0.56
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	15	0.56
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	16	0.56
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	1	0.56
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	1	0.56
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	14	0.56
(3,412)	2:290:A:ILE:HG23	2:290:A:ILE:H	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	1	0.56
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	5	0.56
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	14	0.56
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	8	0.56
(3,317)	2:314:A:ASN:H	2:265:A:GLN:HB2	14	0.56
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	13	0.56
(3,213)	2:237:A:GLU:HG3	2:237:A:GLU:H	14	0.56
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	14	0.56
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	16	0.56
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	5	0.56
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	6	0.56
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	10	0.56
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	14	0.56
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	11	0.56
(3,93)	2:290:A:ILE:HG21	2:290:A:ILE:H	19	0.56
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD21	2	0.56
(3,89)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	20	0.56
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG11	19	0.56
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	15	0.56
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	19	0.56
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD23	14	0.56
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	20	0.56
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	4	0.56
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG13	6	0.56
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG13	11	0.56
(3,32)	2:329:A:PHE:HA	2:332:A:LEU:HD13	7	0.56
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG22	6	0.55
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	11	0.55
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	17	0.55
(4,4351)	2:276:A:MET:HE1	2:304:A:PHE:H	13	0.55
(4,4346)	2:338:A:ILE:HD11	2:338:A:ILE:HA	8	0.55
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	5	0.55
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	3	0.55
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	5	0.55
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	8	0.55
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	11	0.55
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	13	0.55
(4,4236)	2:257:A:LEU:HD21	2:257:A:LEU:HB2	16	0.55
(4,4236)	2:257:A:LEU:HD22	2:257:A:LEU:HB2	19	0.55
(4,4235)	2:286:A:PRO:HG2	2:285:A:LEU:HA	15	0.55
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	14	0.55
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	4	0.55
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	16	0.55
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	5	0.55
(4,4179)	2:284:A:MET:HE3	2:321:A:MET:H	10	0.55
(4,4171)	2:284:A:MET:HE1	2:288:A:GLY:H	18	0.55
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	5	0.55
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	17	0.55
(4,4155)	2:266:A:TRP:HB2	1:10:B:ASN:H	11	0.55
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG12	12	0.55
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD12	16	0.55
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	2	0.55
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	19	0.55
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	18	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	1	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	3	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	7	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	10	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	18	0.55
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	19	0.55
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG23	14	0.55
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG21	7	0.55
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG22	14	0.55
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG21	13	0.55
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	11	0.55
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	3	0.55
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	8	0.55
(4,3860)	2:320:A:GLU:HA	2:320:A:GLU:HG3	13	0.55
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	2	0.55
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	5	0.55
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	9	0.55
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	16	0.55
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	6	0.55
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	8	0.55
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	13	0.55
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	7	0.55
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	6	0.55
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	15	0.55
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	10	0.55
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	8	0.55
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	4	0.55
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	13	0.55
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD11	7	0.55
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	12	0.55
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	17	0.55
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	9	0.55
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE1	10	0.55
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	9	0.55
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	6	0.55
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	2	0.55
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	12	0.55
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	7	0.55
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	8	0.55
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	10	0.55
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	17	0.55
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	11	0.55
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	1	0.55
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	2	0.55
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	14	0.55
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	7	0.55
(4,2895)	2:338:A:ILE:HD13	2:338:A:ILE:HA	1	0.55
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	12	0.55
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	16	0.55
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	4	0.55
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	17	0.55
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD12	15	0.55
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	1	0.55
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	7	0.55
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	10	0.55
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	20	0.55
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	20	0.55
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	5	0.55
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	11	0.55
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	12	0.55
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	13	0.55
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG21	11	0.55
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	15	0.55
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	18	0.55
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG21	5	0.55
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	14	0.55
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	18	0.55
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	4	0.55
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	16	0.55
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	18	0.55
(4,2138)	2:327:A:ALA:HB1	2:326:A:ARG:H	9	0.55
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG22	3	0.55
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	7	0.55
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	9	0.55
(4,1881)	2:229:A:ALA:HB2	2:231:A:LEU:H	4	0.55
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	1	0.55
(4,1757)	2:285:A:LEU:HD22	2:287:A:ASP:H	1	0.55
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	4	0.55
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG21	9	0.55
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	10	0.55
(4,1673)	2:235:A:THR:HG21	2:235:A:THR:H	14	0.55
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	5	0.55
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	10	0.55
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	1	0.55
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	12	0.55
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	12	0.55
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	5	0.55
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	11	0.55
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	3	0.55
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	6	0.55
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	7	0.55
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	20	0.55
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	15	0.55
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG21	5	0.55
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	8	0.55
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG23	15	0.55
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	18	0.55
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	14	0.55
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	20	0.55
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	9	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	2	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	3	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	5	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG13	11	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	13	0.55
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	20	0.55
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	18	0.55
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	20	0.55
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	3	0.55
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	5	0.55
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD23	6	0.55
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	8	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	1	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	2	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG22	3	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG22	5	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	12	0.55
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	15	0.55
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	14	0.55
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	15	0.55
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	6	0.55
(4,292)	2:338:A:ILE:HG21	2:280:A:VAL:HG23	5	0.55
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG22	17	0.55
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	3	0.55
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	13	0.55
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	16	0.55
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	20	0.55
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	10	0.55
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	7	0.55
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	10	0.55
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	20	0.55
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD21	9	0.55
(3,458)	2:261:A:LEU:H	2:261:A:LEU:HD22	9	0.55
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD12	2	0.55
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	17	0.55
(3,428)	2:340:A:PHE:HD1	2:278:A:VAL:HG21	6	0.55
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	4	0.55
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	18	0.55
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	6	0.55
(3,386)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	6	0.55
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	13	0.55
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	14	0.55
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	17	0.55
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	9	0.55
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	12	0.55
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	13	0.55
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	15	0.55
(3,320)	2:276:A:MET:HB3	2:273:A:ARG:H	9	0.55
(3,317)	2:314:A:ASN:H	2:265:A:GLN:HB2	5	0.55
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	9	0.55
(3,276)	2:339:A:ILE:HG23	2:339:A:ILE:H	3	0.55
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	16	0.55
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	1	0.55
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD23	10	0.55
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	12	0.55
(3,204)	2:261:A:LEU:HD13	2:258:A:ILE:H	14	0.55
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	20	0.55
(3,165)	2:318:A:ILE:HD13	2:290:A:ILE:H	3	0.55
(3,130)	2:284:A:MET:HE1	2:336:A:ARG:H	10	0.55
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	12	0.55
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	20	0.55
(3,23)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	19	0.55
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	5	0.55
(4,4474)	2:266:A:TRP:HB2	1:10:B:ASN:H	11	0.54
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	8	0.54
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	2	0.54
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	16	0.54
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	6	0.54
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	10	0.54
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD13	11	0.54
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	17	0.54
(4,4193)	2:336:A:ARG:HG3	2:337:A:ARG:H	7	0.54
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE1	7	0.54
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	17	0.54
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	1	0.54
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	8	0.54
(4,4113)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	12	0.54
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	12	0.54
(4,4096)	2:313:A:ARG:H	2:313:A:ARG:HB3	15	0.54
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	17	0.54
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	16	0.54
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	9	0.54
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	4	0.54
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	6	0.54
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	1	0.54
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	7	0.54
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	7	0.54
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD21	3	0.54
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD22	14	0.54
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	20	0.54
(4,3598)	2:328:A:THR:HG21	2:332:A:LEU:H	14	0.54
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	17	0.54
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	18	0.54
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	15	0.54
(4,3480)	2:250:A:VAL:HG13	2:251:A:THR:H	10	0.54
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	12	0.54
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	18	0.54
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	3	0.54
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	16	0.54
(4,3300)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	1	0.54
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	16	0.54
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	17	0.54
(4,3222)	1:6:B:ILE:HG13	2:263:A:SER:HB3	5	0.54
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	10	0.54
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	14	0.54
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	10	0.54
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	5	0.54
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	7	0.54
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	13	0.54
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	15	0.54
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	17	0.54
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE1	2	0.54
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD12	9	0.54
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD12	15	0.54
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	2	0.54
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	20	0.54
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	5	0.54
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	10	0.54
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	16	0.54
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	4	0.54
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	13	0.54
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	17	0.54
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	8	0.54
(4,2477)	2:299:A:SER:H	2:278:A:VAL:HG11	6	0.54
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG23	12	0.54
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	11	0.54
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	9	0.54
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	14	0.54
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG21	15	0.54
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	20	0.54
(4,2070)	2:347:A:LEU:H	2:274:A:ASN:HD22	17	0.54
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	1	0.54
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	4	0.54
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG22	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD12	15	0.54
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	1	0.54
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	7	0.54
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	10	0.54
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	20	0.54
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	5	0.54
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	11	0.54
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	12	0.54
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	13	0.54
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG21	11	0.54
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	15	0.54
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG21	5	0.54
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	14	0.54
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	18	0.54
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	4	0.54
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	5	0.54
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	16	0.54
(4,1405)	2:276:A:MET:HE3	2:276:A:MET:H	1	0.54
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	18	0.54
(4,1374)	2:327:A:ALA:HB1	2:326:A:ARG:H	9	0.54
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	6	0.54
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	5	0.54
(4,1221)	2:276:A:MET:HE2	2:304:A:PHE:H	4	0.54
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	1	0.54
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	9	0.54
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	12	0.54
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	6	0.54
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	12	0.54
(4,1096)	2:284:A:MET:HE3	2:321:A:MET:H	8	0.54
(4,1088)	2:284:A:MET:HE1	2:288:A:GLY:H	1	0.54
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD11	4	0.54
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	10	0.54
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	13	0.54
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	11	0.54
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	13	0.54
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	14	0.54
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	16	0.54
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	19	0.54
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	14	0.54
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG13	6	0.54
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	9	0.54
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG12	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	19	0.54
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	8	0.54
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	18	0.54
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	8	0.54
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	20	0.54
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	15	0.54
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	9	0.54
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	10	0.54
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	1	0.54
(4,671)	2:325:A:PRO:HG3	2:324:A:LEU:HD22	7	0.54
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	2	0.54
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	18	0.54
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	9	0.54
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG22	16	0.54
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	9	0.54
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	12	0.54
(4,292)	2:338:A:ILE:HG21	2:280:A:VAL:HG21	9	0.54
(4,292)	2:338:A:ILE:HG21	2:280:A:VAL:HG23	15	0.54
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD12	13	0.54
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	8	0.54
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	10	0.54
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	9	0.54
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD11	11	0.54
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	12	0.54
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	18	0.54
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	12	0.54
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	13	0.54
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	16	0.54
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	3	0.54
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	6	0.54
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	11	0.54
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	14	0.54
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	6	0.54
(3,427)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	18	0.54
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	10	0.54
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	13	0.54
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	19	0.54
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD21	8	0.54
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	9	0.54
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	14	0.54
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	17	0.54
(3,317)	2:314:A:ASN:H	2:265:A:GLN:HB2	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,276)	2:339:A:ILE:HG23	2:339:A:ILE:H	1	0.54
(3,245)	2:240:A:GLN:H	2:240:A:GLN:HB2	18	0.54
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	3	0.54
(3,222)	2:261:A:LEU:H	2:261:A:LEU:HD22	9	0.54
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	10	0.54
(3,166)	2:279:A:GLU:H	2:295:A:VAL:HG11	18	0.54
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD12	2	0.54
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	17	0.54
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	10	0.54
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	15	0.54
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	16	0.54
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD12	12	0.54
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	12	0.54
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	4	0.54
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	10	0.54
(3,89)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	16	0.54
(3,78)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	3	0.54
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	17	0.54
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	20	0.53
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	8	0.53
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	4	0.53
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	8	0.53
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG23	19	0.53
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	1	0.53
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	20	0.53
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	3	0.53
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG13	2	0.53
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	7	0.53
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	15	0.53
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	10	0.53
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	19	0.53
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	19	0.53
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG21	10	0.53
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	11	0.53
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	17	0.53
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	17	0.53
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	5	0.53
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	4	0.53
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	20	0.53
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	1	0.53
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	2	0.53
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	14	0.53
(4,3480)	2:250:A:VAL:HG13	2:251:A:THR:H	20	0.53
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	2	0.53
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	17	0.53
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	4	0.53
(4,3335)	2:258:A:ILE:HD11	2:333:A:TYR:HA	5	0.53
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	9	0.53
(4,3300)	2:308:A:ALA:HB1	2:266:A:TRP:HB3	11	0.53
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	10	0.53
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	19	0.53
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	2	0.53
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	20	0.53
(4,3136)	2:273:A:ARG:HA	2:273:A:ARG:HD3	10	0.53
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	13	0.53
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	16	0.53
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	20	0.53
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	14	0.53
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	17	0.53
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD12	20	0.53
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	19	0.53
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	17	0.53
(4,3047)	2:257:A:LEU:HD12	2:257:A:LEU:HA	3	0.53
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	6	0.53
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	20	0.53
(4,2955)	2:284:A:MET:HG3	2:284:A:MET:HE2	14	0.53
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	11	0.53
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	20	0.53
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	11	0.53
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	15	0.53
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	19	0.53
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	18	0.53
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD11	4	0.53
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	12	0.53
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	15	0.53
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	19	0.53
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	4	0.53
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	8	0.53
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	13	0.53
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	4	0.53
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	17	0.53
(4,2585)	2:257:A:LEU:HD11	2:257:A:LEU:H	2	0.53
(4,2585)	2:257:A:LEU:HD12	2:257:A:LEU:H	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	13	0.53
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	2	0.53
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	11	0.53
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	20	0.53
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	19	0.53
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG12	5	0.53
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	1	0.53
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	2	0.53
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	6	0.53
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	17	0.53
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	11	0.53
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	5	0.53
(4,2138)	2:327:A:ALA:HB3	2:326:A:ARG:H	19	0.53
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD13	19	0.53
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	2	0.53
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	10	0.53
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	4	0.53
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	13	0.53
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	17	0.53
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	20	0.53
(4,1721)	2:257:A:LEU:HD11	2:257:A:LEU:H	2	0.53
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	18	0.53
(4,1636)	2:299:A:SER:H	2:278:A:VAL:HG11	6	0.53
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG23	12	0.53
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	11	0.53
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	9	0.53
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	14	0.53
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG21	15	0.53
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	13	0.53
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	20	0.53
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	14	0.53
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	5	0.53
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	16	0.53
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	18	0.53
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	13	0.53
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	6	0.53
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	8	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	2	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	4	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	5	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	6	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	9	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	17	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	18	0.53
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	20	0.53
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	3	0.53
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	9	0.53
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	15	0.53
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	18	0.53
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	7	0.53
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	11	0.53
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	10	0.53
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	19	0.53
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	11	0.53
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	18	0.53
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	2	0.53
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	15	0.53
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	8	0.53
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG21	20	0.53
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	12	0.53
(4,343)	2:281:A:LEU:HD13	2:336:A:ARG:HA	6	0.53
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	2	0.53
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	19	0.53
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG22	20	0.53
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	7	0.53
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	17	0.53
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	1	0.53
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	2	0.53
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	14	0.53
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE1	2	0.53
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	7	0.53
(4,97)	2:338:A:ILE:HD13	2:338:A:ILE:HA	1	0.53
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	2	0.53
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	20	0.53
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	4	0.53
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	17	0.53
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	8	0.53
(3,511)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	12	0.53
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	14	0.53
(3,427)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	7	0.53
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	5	0.53
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD13	15	0.53
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD12	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	6	0.53
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	7	0.53
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	10	0.53
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	10	0.53
(3,276)	2:339:A:ILE:HG23	2:339:A:ILE:H	13	0.53
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	17	0.53
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	19	0.53
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	20	0.53
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB3	12	0.53
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	1	0.53
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	6	0.53
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	14	0.53
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	5	0.53
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD13	8	0.53
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	17	0.53
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	9	0.53
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	9	0.53
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	18	0.53
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	13	0.53
(3,89)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	4	0.53
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	6	0.53
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	8	0.53
(3,89)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	11	0.53
(3,78)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	8	0.53
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	2	0.52
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	18	0.52
(4,4344)	2:321:A:MET:HE1	2:288:A:GLY:HA3	13	0.52
(4,4344)	2:321:A:MET:HE1	2:288:A:GLY:HA3	14	0.52
(4,4250)	2:339:A:ILE:HD11	2:277:A:SER:HB3	11	0.52
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	20	0.52
(4,4227)	2:347:A:LEU:HD11	2:346:A:SER:HB3	8	0.52
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	19	0.52
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	7	0.52
(4,4179)	2:284:A:MET:HE3	2:321:A:MET:H	9	0.52
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	1	0.52
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	9	0.52
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	15	0.52
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD12	5	0.52
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	9	0.52
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	18	0.52
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB3	12	0.52
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB3	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	12	0.52
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB1	16	0.52
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	18	0.52
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	20	0.52
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	8	0.52
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	12	0.52
(4,3902)	2:281:A:LEU:HD13	2:281:A:LEU:H	4	0.52
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	3	0.52
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	8	0.52
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	15	0.52
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	7	0.52
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	3	0.52
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	15	0.52
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	12	0.52
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	6	0.52
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	13	0.52
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	16	0.52
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	5	0.52
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	7	0.52
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	13	0.52
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	15	0.52
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	17	0.52
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD12	17	0.52
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	9	0.52
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	6	0.52
(4,3263)	2:276:A:MET:HE1	2:272:A:ALA:HA	18	0.52
(4,3241)	2:258:A:ILE:HD12	2:321:A:MET:HE2	15	0.52
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	7	0.52
(4,3156)	2:289:A:THR:HG23	2:317:A:ARG:HD2	13	0.52
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	11	0.52
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	19	0.52
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	7	0.52
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	12	0.52
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	16	0.52
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	18	0.52
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	13	0.52
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	16	0.52
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	6	0.52
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	8	0.52
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	16	0.52
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	3	0.52
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	8	0.52
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	9	0.52
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	18	0.52
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD21	4	0.52
(4,2829)	2:328:A:THR:HG21	2:332:A:LEU:HD21	14	0.52
(4,2829)	2:328:A:THR:HG22	2:332:A:LEU:HD22	17	0.52
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	1	0.52
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	14	0.52
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	18	0.52
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	12	0.52
(4,2629)	2:285:A:LEU:HD21	2:287:A:ASP:H	5	0.52
(4,2629)	2:285:A:LEU:HD23	2:287:A:ASP:H	12	0.52
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD13	8	0.52
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	16	0.52
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	6	0.52
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	7	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	1	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	3	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	5	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	12	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	13	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	14	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	19	0.52
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	20	0.52
(4,2396)	2:236:A:THR:HG22	2:237:A:GLU:H	8	0.52
(4,2396)	2:236:A:THR:HG21	2:237:A:GLU:H	20	0.52
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD1	2	0.52
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	13	0.52
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	15	0.52
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	9	0.52
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG22	18	0.52
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD11	14	0.52
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	5	0.52
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	9	0.52
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE3	16	0.52
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	12	0.52
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	15	0.52
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	18	0.52
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	19	0.52
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	8	0.52
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	13	0.52
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	4	0.52
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	17	0.52
(4,1721)	2:257:A:LEU:HD12	2:257:A:LEU:H	10	0.52
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	13	0.52
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	2	0.52
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	11	0.52
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	20	0.52
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	19	0.52
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	1	0.52
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	2	0.52
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	6	0.52
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	17	0.52
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	11	0.52
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	5	0.52
(4,1374)	2:327:A:ALA:HB3	2:326:A:ARG:H	19	0.52
(4,1326)	2:347:A:LEU:H	2:274:A:ASN:HD22	17	0.52
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	4	0.52
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	17	0.52
(4,1159)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	11	0.52
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	13	0.52
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	4	0.52
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	7	0.52
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	13	0.52
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	8	0.52
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	14	0.52
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	18	0.52
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	1	0.52
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	9	0.52
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD13	14	0.52
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	7	0.52
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	14	0.52
(4,1032)	2:276:A:MET:HE1	2:272:A:ALA:HA	18	0.52
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	1	0.52
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	3	0.52
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	7	0.52
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	10	0.52
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	19	0.52
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	15	0.52
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	12	0.52
(4,861)	2:295:A:VAL:H	2:295:A:VAL:HG11	14	0.52
(4,838)	2:320:A:GLU:HA	2:320:A:GLU:HG3	13	0.52
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	5	0.52
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	9	0.52
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	6	0.52
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	8	0.52
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	13	0.52
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	13	0.52
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	8	0.52
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	17	0.52
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	16	0.52
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	17	0.52
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	17	0.52
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	19	0.52
(4,305)	2:273:A:ARG:HA	2:273:A:ARG:HD3	10	0.52
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	10	0.52
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	20	0.52
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	14	0.52
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	10	0.52
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	5	0.52
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	6	0.52
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	7	0.52
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	13	0.52
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	15	0.52
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	17	0.52
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	20	0.52
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD12	9	0.52
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD12	15	0.52
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	11	0.52
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	15	0.52
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	5	0.52
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	10	0.52
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	16	0.52
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	16	0.52
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	19	0.52
(3,471)	2:238:A:ARG:HG3	2:238:A:ARG:H	15	0.52
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD12	7	0.52
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD12	10	0.52
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	7	0.52
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	1	0.52
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	2	0.52
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	2	0.52
(3,386)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	7	0.52
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	2	0.52
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	19	0.52
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	7	0.52
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	4	0.52
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	12	0.52
(3,276)	2:339:A:ILE:HG22	2:339:A:ILE:H	15	0.52
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	14	0.52
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	16	0.52
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	1	0.52
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	8	0.52
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	19	0.52
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	20	0.52
(3,154)	2:321:A:MET:HE3	2:333:A:TYR:HA	12	0.52
(3,140)	2:337:A:ARG:HD2	2:337:A:ARG:H	18	0.52
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	13	0.52
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	12	0.52
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	5	0.52
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	3	0.52
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD13	5	0.52
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	3	0.52
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	12	0.52
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	3	0.52
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	9	0.51
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	11	0.51
(4,4346)	2:338:A:ILE:HD12	2:338:A:ILE:HA	17	0.51
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	10	0.51
(4,4250)	2:339:A:ILE:HD11	2:277:A:SER:HB3	15	0.51
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	16	0.51
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	17	0.51
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	5	0.51
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	9	0.51
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	10	0.51
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	17	0.51
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	12	0.51
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	7	0.51
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	16	0.51
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	11	0.51
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	1	0.51
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	20	0.51
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	11	0.51
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	19	0.51
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	10	0.51
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	5	0.51
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	6	0.51
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	18	0.51
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	1	0.51
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	13	0.51
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	4	0.51
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	6	0.51
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	13	0.51
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	18	0.51
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD23	18	0.51
(4,3502)	2:257:A:LEU:HD12	2:257:A:LEU:HA	3	0.51
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	6	0.51
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	20	0.51
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG23	3	0.51
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	1	0.51
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	16	0.51
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD11	15	0.51
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	20	0.51
(4,3334)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	14	0.51
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG11	11	0.51
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG13	12	0.51
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	12	0.51
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	11	0.51
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE1	9	0.51
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	3	0.51
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	19	0.51
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	14	0.51
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD13	3	0.51
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD12	10	0.51
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	19	0.51
(4,3054)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	2	0.51
(4,3047)	2:257:A:LEU:HD12	2:257:A:LEU:HA	4	0.51
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	9	0.51
(4,3047)	2:257:A:LEU:HD13	2:257:A:LEU:HA	11	0.51
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	16	0.51
(4,3047)	2:257:A:LEU:HD12	2:257:A:LEU:HA	19	0.51
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD11	16	0.51
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	5	0.51
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	2	0.51
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	4	0.51
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	11	0.51
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	13	0.51
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	3	0.51
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	13	0.51
(4,2477)	2:299:A:SER:H	2:278:A:VAL:HG11	4	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	3	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	8	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	10	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	15	0.51
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	20	0.51
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	4	0.51
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	6	0.51
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	9	0.51
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG13	15	0.51
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG11	19	0.51
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG22	2	0.51
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	18	0.51
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	3	0.51
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	9	0.51
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	12	0.51
(4,2153)	2:272:A:ALA:H	2:268:A:ARG:HG2	20	0.51
(4,2068)	2:347:A:LEU:H	2:346:A:SER:HB3	4	0.51
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	2	0.51
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	3	0.51
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	14	0.51
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	1	0.51
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	14	0.51
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	4	0.51
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	12	0.51
(4,1757)	2:285:A:LEU:HD21	2:287:A:ASP:H	5	0.51
(4,1757)	2:285:A:LEU:HD23	2:287:A:ASP:H	12	0.51
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD13	8	0.51
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	16	0.51
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	6	0.51
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	7	0.51
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	1	0.51
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	5	0.51
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	12	0.51
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	14	0.51
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	19	0.51
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	20	0.51
(4,1572)	2:236:A:THR:HG22	2:237:A:GLU:H	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1572)	2:236:A:THR:HG21	2:237:A:GLU:H	20	0.51
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD1	2	0.51
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG12	5	0.51
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	13	0.51
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	15	0.51
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	9	0.51
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	20	0.51
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG22	6	0.51
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	11	0.51
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	5	0.51
(4,1142)	2:286:A:PRO:HG2	2:285:A:LEU:HA	15	0.51
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	16	0.51
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD13	20	0.51
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	17	0.51
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE1	7	0.51
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	17	0.51
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	5	0.51
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	10	0.51
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	17	0.51
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	18	0.51
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	12	0.51
(4,1028)	2:313:A:ARG:H	2:313:A:ARG:HB3	15	0.51
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	3	0.51
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	8	0.51
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	9	0.51
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	4	0.51
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	6	0.51
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	16	0.51
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	13	0.51
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	11	0.51
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	7	0.51
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	6	0.51
(4,550)	2:250:A:VAL:HG13	2:251:A:THR:H	10	0.51
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD11	7	0.51
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	18	0.51
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	3	0.51
(4,437)	2:258:A:ILE:HD11	2:333:A:TYR:HA	5	0.51
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	9	0.51
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	10	0.51
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	13	0.51
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	16	0.51
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	12	0.51
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD12	20	0.51
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	19	0.51
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	17	0.51
(4,224)	2:257:A:LEU:HD12	2:257:A:LEU:HA	3	0.51
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	18	0.51
(4,150)	2:284:A:MET:HG3	2:284:A:MET:HE2	14	0.51
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	11	0.51
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	20	0.51
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	3	0.51
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	5	0.51
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	19	0.51
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	18	0.51
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	18	0.51
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD21	4	0.51
(3,511)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	10	0.51
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	9	0.51
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	18	0.51
(3,427)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	4	0.51
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	3	0.51
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	4	0.51
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	10	0.51
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	7	0.51
(3,311)	2:339:A:ILE:HG23	2:339:A:ILE:H	3	0.51
(3,293)	2:318:A:ILE:HD13	2:290:A:ILE:H	3	0.51
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	15	0.51
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	20	0.51
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	9	0.51
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	19	0.51
(3,242)	2:238:A:ARG:HG3	2:238:A:ARG:H	15	0.51
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	5	0.51
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB2	9	0.51
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	11	0.51
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD12	10	0.51
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	3	0.51
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	9	0.51
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	13	0.51
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	20	0.51
(3,130)	2:284:A:MET:HE2	2:336:A:ARG:H	11	0.51
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	16	0.51
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	4	0.51
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	14	0.51
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD23	10	0.51
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	12	0.51
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	10	0.51
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	10	0.51
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG13	12	0.51
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	16	0.51
(3,24)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	12	0.51
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	11	0.5
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	3	0.5
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	8	0.5
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	8	0.5
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	12	0.5
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	2	0.5
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	11	0.5
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	4	0.5
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	7	0.5
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	11	0.5
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	2	0.5
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	8	0.5
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	11	0.5
(4,4148)	1:7:B:SER:H	2:259:A:VAL:HG11	17	0.5
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	4	0.5
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG21	15	0.5
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	18	0.5
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB2	11	0.5
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG23	3	0.5
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG23	15	0.5
(4,3915)	2:276:A:MET:HE3	2:301:A:ASP:H	3	0.5
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	3	0.5
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	9	0.5
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	20	0.5
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	3	0.5
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	12	0.5
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	11	0.5
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD21	12	0.5
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	14	0.5
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	5	0.5
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	8	0.5
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	9	0.5
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	14	0.5
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3598)	2:328:A:THR:HG23	2:332:A:LEU:H	7	0.5
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	3	0.5
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	17	0.5
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	8	0.5
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	20	0.5
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	14	0.5
(4,3480)	2:250:A:VAL:HG12	2:251:A:THR:H	8	0.5
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	12	0.5
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	3	0.5
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	4	0.5
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	7	0.5
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG12	1	0.5
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	17	0.5
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	18	0.5
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	20	0.5
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	13	0.5
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	9	0.5
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	14	0.5
(4,3014)	2:302:A:LYS:HA	2:305:A:ASP:HB2	20	0.5
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	5	0.5
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	11	0.5
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	10	0.5
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD12	17	0.5
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	17	0.5
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	8	0.5
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	12	0.5
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	4	0.5
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	7	0.5
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	10	0.5
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	6	0.5
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	3	0.5
(4,2523)	2:235:A:THR:HG21	2:235:A:THR:H	8	0.5
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE1	2	0.5
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	16	0.5
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	7	0.5
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	8	0.5
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB2	17	0.5
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	6	0.5
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	15	0.5
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	17	0.5
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	5	0.5
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	9	0.5
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	4	0.5
(4,2203)	2:310:A:ALA:HB1	2:309:A:VAL:H	16	0.5
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	19	0.5
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	11	0.5
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	16	0.5
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	4	0.5
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	10	0.5
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	17	0.5
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	19	0.5
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD11	6	0.5
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	7	0.5
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	13	0.5
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG23	16	0.5
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG21	18	0.5
(4,1982)	2:296:A:SER:H	2:295:A:VAL:HG22	20	0.5
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	3	0.5
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	13	0.5
(4,1636)	2:299:A:SER:H	2:278:A:VAL:HG11	4	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	3	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	8	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	10	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	15	0.5
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	20	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	3	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	4	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	6	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	9	0.5
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	13	0.5
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	6	0.5
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG22	2	0.5
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	3	0.5
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	9	0.5
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	12	0.5
(4,1221)	2:276:A:MET:HE1	2:304:A:PHE:H	13	0.5
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	8	0.5
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	8	0.5
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG23	19	0.5
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	1	0.5
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	4	0.5
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	4	0.5
(4,1106)	2:336:A:ARG:HG3	2:337:A:ARG:H	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1088)	2:284:A:MET:HE1	2:288:A:GLY:H	18	0.5
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	1	0.5
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	8	0.5
(4,1043)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	12	0.5
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	11	0.5
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	16	0.5
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	17	0.5
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	17	0.5
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	1	0.5
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	5	0.5
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	7	0.5
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	7	0.5
(4,634)	2:328:A:THR:HG21	2:332:A:LEU:H	14	0.5
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	15	0.5
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	17	0.5
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	4	0.5
(4,550)	2:250:A:VAL:HG13	2:251:A:THR:H	20	0.5
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	2	0.5
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	16	0.5
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	5	0.5
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	6	0.5
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG11	11	0.5
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG13	12	0.5
(4,382)	2:258:A:ILE:HD12	2:321:A:MET:HE2	15	0.5
(4,318)	2:289:A:THR:HG23	2:317:A:ARG:HD2	13	0.5
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	11	0.5
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	19	0.5
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	7	0.5
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD13	3	0.5
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	19	0.5
(4,233)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	2	0.5
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	16	0.5
(4,224)	2:257:A:LEU:HD12	2:257:A:LEU:HA	19	0.5
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	16	0.5
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	16	0.5
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	6	0.5
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	8	0.5
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	16	0.5
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	4	0.5
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	8	0.5
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG23	9	0.5
(4,32)	2:328:A:THR:HG21	2:332:A:LEU:HD21	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,32)	2:328:A:THR:HG22	2:332:A:LEU:HD22	17	0.5
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	3	0.5
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	1	0.5
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	2	0.5
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	3	0.5
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	4	0.5
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	15	0.5
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	17	0.5
(3,472)	2:239:A:GLN:H	2:238:A:ARG:HB3	15	0.5
(3,423)	2:321:A:MET:HE3	2:333:A:TYR:HA	3	0.5
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	20	0.5
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	18	0.5
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	20	0.5
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD23	14	0.5
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	8	0.5
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.5
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	7	0.5
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	20	0.5
(3,311)	2:339:A:ILE:HG23	2:339:A:ILE:H	1	0.5
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	6	0.5
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	16	0.5
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	10	0.5
(3,303)	2:261:A:LEU:HD13	2:258:A:ILE:H	14	0.5
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	20	0.5
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	11	0.5
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	9	0.5
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	18	0.5
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB3	20	0.5
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	13	0.5
(3,178)	2:276:A:MET:HB3	2:273:A:ARG:H	16	0.5
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD12	7	0.5
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	1	0.5
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	5	0.5
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	11	0.5
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	13	0.5
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	16	0.5
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	20	0.5
(3,89)	2:257:A:LEU:HD21	2:260:A:ASN:HB3	7	0.5
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	9	0.5
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	13	0.5
(3,89)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	17	0.5
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG13	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	13	0.5
(4,4458)	1:10:B:ASN:HD22	1:12:B:ARG:H	2	0.49
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	17	0.49
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	10	0.49
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	10	0.49
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	18	0.49
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	15	0.49
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	1	0.49
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	1	0.49
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	19	0.49
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG23	10	0.49
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	10	0.49
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	3	0.49
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	6	0.49
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	13	0.49
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	7	0.49
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	1	0.49
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	10	0.49
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	6	0.49
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	14	0.49
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	14	0.49
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	11	0.49
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	5	0.49
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	17	0.49
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	14	0.49
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	20	0.49
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	16	0.49
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	17	0.49
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	20	0.49
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	14	0.49
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	18	0.49
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	20	0.49
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	11	0.49
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	1	0.49
(4,3509)	2:257:A:LEU:HD13	2:257:A:LEU:H	4	0.49
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	7	0.49
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	9	0.49
(4,3502)	2:257:A:LEU:HD12	2:257:A:LEU:HA	4	0.49
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	9	0.49
(4,3502)	2:257:A:LEU:HD13	2:257:A:LEU:HA	11	0.49
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	16	0.49
(4,3502)	2:257:A:LEU:HD12	2:257:A:LEU:HA	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3480)	2:250:A:VAL:HG12	2:251:A:THR:H	1	0.49
(4,3335)	2:258:A:ILE:HD11	2:333:A:TYR:HA	10	0.49
(4,3318)	2:285:A:LEU:HD22	2:285:A:LEU:HA	16	0.49
(4,3300)	2:308:A:ALA:HB2	2:266:A:TRP:HB3	18	0.49
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	12	0.49
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	11	0.49
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	10	0.49
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	16	0.49
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	20	0.49
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	18	0.49
(4,3047)	2:257:A:LEU:HD11	2:257:A:LEU:HA	8	0.49
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	19	0.49
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	20	0.49
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	18	0.49
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD12	3	0.49
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	11	0.49
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	15	0.49
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	12	0.49
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	16	0.49
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	2	0.49
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	9	0.49
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	17	0.49
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	6	0.49
(4,2401)	2:249:A:GLU:H	2:249:A:GLU:HG2	9	0.49
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	16	0.49
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG21	7	0.49
(4,2232)	2:250:A:VAL:HG22	2:251:A:THR:H	11	0.49
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	8	0.49
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	14	0.49
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	12	0.49
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	7	0.49
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	11	0.49
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	6	0.49
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	12	0.49
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	4	0.49
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	7	0.49
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	10	0.49
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	6	0.49
(4,1673)	2:235:A:THR:HG21	2:235:A:THR:H	8	0.49
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE1	2	0.49
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	16	0.49
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	8	0.49
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB2	17	0.49
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	15	0.49
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	17	0.49
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	5	0.49
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	6	0.49
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG13	15	0.49
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG11	19	0.49
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	9	0.49
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	18	0.49
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	4	0.49
(4,1429)	2:310:A:ALA:HB1	2:309:A:VAL:H	16	0.49
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	19	0.49
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	11	0.49
(4,1388)	2:272:A:ALA:H	2:268:A:ARG:HG2	20	0.49
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	2	0.49
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	2	0.49
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	8	0.49
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	20	0.49
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	20	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	6	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	10	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD13	11	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	16	0.49
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	17	0.49
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	5	0.49
(4,1096)	2:284:A:MET:HE3	2:321:A:MET:H	10	0.49
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	3	0.49
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	15	0.49
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	19	0.49
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB3	9	0.49
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	12	0.49
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	18	0.49
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	11	0.49
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	8	0.49
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	15	0.49
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	7	0.49
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	3	0.49
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	15	0.49
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD21	3	0.49
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD22	14	0.49
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD23	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	4	0.49
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	12	0.49
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	20	0.49
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	15	0.49
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD12	17	0.49
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD11	11	0.49
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	20	0.49
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	11	0.49
(4,343)	2:281:A:LEU:HD13	2:336:A:ARG:HA	7	0.49
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD12	10	0.49
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	13	0.49
(4,224)	2:257:A:LEU:HD12	2:257:A:LEU:HA	4	0.49
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	9	0.49
(4,224)	2:257:A:LEU:HD13	2:257:A:LEU:HA	11	0.49
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD11	16	0.49
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	5	0.49
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	2	0.49
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	13	0.49
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG21	17	0.49
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG22	3	0.49
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	11	0.49
(3,471)	2:238:A:ARG:HG3	2:238:A:ARG:H	10	0.49
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	13	0.49
(3,443)	2:254:A:LEU:HD22	2:324:A:LEU:H	8	0.49
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD13	4	0.49
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD13	15	0.49
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	13	0.49
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	3	0.49
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	15	0.49
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	19	0.49
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD21	2	0.49
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	19	0.49
(3,378)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	20	0.49
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	4	0.49
(3,367)	2:329:A:PHE:HA	2:332:A:LEU:HD13	7	0.49
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	3	0.49
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	4	0.49
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	9	0.49
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	3	0.49
(3,345)	2:279:A:GLU:H	2:295:A:VAL:HG11	18	0.49
(3,313)	2:240:A:GLN:H	2:240:A:GLN:HB2	18	0.49
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,276)	2:339:A:ILE:HG21	2:339:A:ILE:H	2	0.49
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	17	0.49
(3,243)	2:239:A:GLN:H	2:238:A:ARG:HB3	15	0.49
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB2	15	0.49
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	2	0.49
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	6	0.49
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	12	0.49
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	15	0.49
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	16	0.49
(3,104)	2:313:A:ARG:HD3	2:312:A:VAL:HB	15	0.49
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	20	0.49
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	6	0.49
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	8	0.49
(3,60)	2:347:A:LEU:HA	2:347:A:LEU:HB2	13	0.49
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	5	0.49
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG11	19	0.49
(3,24)	2:302:A:LYS:HE2	2:302:A:LYS:HB2	10	0.49
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	17	0.48
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG12	6	0.48
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	1	0.48
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	12	0.48
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	1	0.48
(4,4260)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	19	0.48
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	3	0.48
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	6	0.48
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	9	0.48
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	2	0.48
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD13	13	0.48
(4,4176)	2:321:A:MET:HE1	2:284:A:MET:HE1	14	0.48
(4,4173)	2:284:A:MET:HE3	2:321:A:MET:HG2	8	0.48
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	6	0.48
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	7	0.48
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	13	0.48
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD11	3	0.48
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	3	0.48
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	7	0.48
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	11	0.48
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	11	0.48
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	13	0.48
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	14	0.48
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	5	0.48
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	10	0.48
(4,3946)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	19	0.48
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	10	0.48
(4,3849)	2:321:A:MET:H	2:321:A:MET:HB3	1	0.48
(4,3736)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	6	0.48
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	5	0.48
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	3	0.48
(4,3674)	2:280:A:VAL:HG13	2:280:A:VAL:H	17	0.48
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	19	0.48
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	9	0.48
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	11	0.48
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	14	0.48
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	16	0.48
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	17	0.48
(4,3509)	2:257:A:LEU:HD13	2:257:A:LEU:H	19	0.48
(4,3502)	2:257:A:LEU:HD11	2:257:A:LEU:HA	8	0.48
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	11	0.48
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	20	0.48
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD11	4	0.48
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	11	0.48
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	19	0.48
(4,3300)	2:308:A:ALA:HB3	2:266:A:TRP:HB3	19	0.48
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	17	0.48
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE1	3	0.48
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE2	20	0.48
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	3	0.48
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	17	0.48
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG23	1	0.48
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	1	0.48
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	13	0.48
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	4	0.48
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	11	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	2	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	3	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	5	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	6	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	8	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	9	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	12	0.48
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	15	0.48
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	11	0.48
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	8	0.48
(4,2792)	2:341:A:LYS:H	1:6:B:ILE:HD13	5	0.48
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	5	0.48
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	10	0.48
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	17	0.48
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	18	0.48
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	10	0.48
(4,2671)	2:262:A:VAL:HG21	2:311:A:ALA:H	12	0.48
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	4	0.48
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	18	0.48
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	19	0.48
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	20	0.48
(4,2564)	2:280:A:VAL:HG11	2:294:A:SER:H	4	0.48
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG22	1	0.48
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	4	0.48
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	18	0.48
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	2	0.48
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	15	0.48
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB3	16	0.48
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	7	0.48
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	12	0.48
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	17	0.48
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	18	0.48
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	1	0.48
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	7	0.48
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	10	0.48
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	19	0.48
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD21	10	0.48
(4,2203)	2:310:A:ALA:HB3	2:309:A:VAL:H	7	0.48
(4,2203)	2:310:A:ALA:HB2	2:309:A:VAL:H	20	0.48
(4,2174)	2:276:A:MET:HE2	2:276:A:MET:H	19	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	6	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	7	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	13	0.48
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	15	0.48
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	11	0.48
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	15	0.48
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	3	0.48
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	16	0.48
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	2	0.48
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	9	0.48
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	6	0.48
(4,1577)	2:249:A:GLU:H	2:249:A:GLU:HG2	9	0.48
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	16	0.48
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG21	7	0.48
(4,1452)	2:250:A:VAL:HG22	2:251:A:THR:H	11	0.48
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	8	0.48
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	12	0.48
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	7	0.48
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	16	0.48
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	11	0.48
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	18	0.48
(4,1217)	2:321:A:MET:HE1	2:288:A:GLY:HA3	14	0.48
(4,1152)	2:339:A:ILE:HD11	2:277:A:SER:HB3	11	0.48
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	16	0.48
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	5	0.48
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	9	0.48
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	10	0.48
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	17	0.48
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	19	0.48
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	1	0.48
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	9	0.48
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	15	0.48
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD12	16	0.48
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	9	0.48
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	18	0.48
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB3	12	0.48
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB1	16	0.48
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	20	0.48
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	12	0.48
(4,874)	2:281:A:LEU:HD13	2:281:A:LEU:H	4	0.48
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	10	0.48
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	3	0.48
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	13	0.48
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	6	0.48
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	13	0.48
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	16	0.48
(4,579)	2:258:A:ILE:H	2:258:A:ILE:HG23	14	0.48
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	14	0.48
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	9	0.48
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	12	0.48
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG12	1	0.48
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	18	0.48
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	19	0.48
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	14	0.48
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	11	0.48
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	16	0.48
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	20	0.48
(4,224)	2:257:A:LEU:HD11	2:257:A:LEU:HA	8	0.48
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	9	0.48
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	14	0.48
(4,197)	2:302:A:LYS:HA	2:305:A:ASP:HB2	20	0.48
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	5	0.48
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	11	0.48
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	10	0.48
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD12	17	0.48
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	18	0.48
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG23	18	0.48
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	14	0.48
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	16	0.48
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	3	0.48
(3,472)	2:238:A:ARG:HB2	2:239:A:GLN:H	2	0.48
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	3	0.48
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA2	17	0.48
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	12	0.48
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG11	19	0.48
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	5	0.48
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	6	0.48
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	10	0.48
(3,412)	2:290:A:ILE:HG21	2:290:A:ILE:H	19	0.48
(3,404)	2:284:A:MET:HE3	2:336:A:ARG:H	16	0.48
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG13	6	0.48
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG13	11	0.48
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB3	12	0.48
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	4	0.48
(3,311)	2:339:A:ILE:HG23	2:339:A:ILE:H	13	0.48
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	17	0.48
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	19	0.48
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	20	0.48
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	1	0.48
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	9	0.48
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	5	0.48
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	18	0.48
(3,242)	2:238:A:ARG:HG3	2:238:A:ARG:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	13	0.48
(3,204)	2:261:A:LEU:HD12	2:258:A:ILE:H	9	0.48
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	17	0.48
(3,184)	2:254:A:LEU:HD22	2:324:A:LEU:H	8	0.48
(3,178)	2:276:A:MET:HB3	2:273:A:ARG:H	3	0.48
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD13	4	0.48
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD13	15	0.48
(3,165)	2:318:A:ILE:HD11	2:290:A:ILE:H	20	0.48
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	13	0.48
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	4	0.48
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	15	0.48
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD13	20	0.48
(3,103)	2:309:A:VAL:HB	2:306:A:SER:HB3	15	0.48
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	9	0.48
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	10	0.48
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	11	0.48
(3,89)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	5	0.48
(3,89)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	18	0.48
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD23	20	0.48
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG13	15	0.48
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	15	0.47
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	18	0.47
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	4	0.47
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	16	0.47
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	3	0.47
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	13	0.47
(4,4250)	2:339:A:ILE:HD11	2:277:A:SER:HB3	14	0.47
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	12	0.47
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	20	0.47
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	6	0.47
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	4	0.47
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	3	0.47
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	18	0.47
(4,4134)	2:338:A:ILE:HG23	1:4:B:LEU:H	15	0.47
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG21	6	0.47
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	9	0.47
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	8	0.47
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG23	7	0.47
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	5	0.47
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	8	0.47
(4,3902)	2:281:A:LEU:HD12	2:281:A:LEU:H	6	0.47
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	18	0.47
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	7	0.47
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	15	0.47
(4,3736)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	12	0.47
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	6	0.47
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	20	0.47
(4,3724)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	4	0.47
(4,3724)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	15	0.47
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	8	0.47
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	10	0.47
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	11	0.47
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	16	0.47
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	15	0.47
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	5	0.47
(4,3483)	2:250:A:VAL:HG21	2:249:A:GLU:HB2	2	0.47
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	9	0.47
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD12	16	0.47
(4,3335)	2:258:A:ILE:HD11	2:333:A:TYR:HA	13	0.47
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	2	0.47
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG13	13	0.47
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	16	0.47
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	20	0.47
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	20	0.47
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	16	0.47
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	16	0.47
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	10	0.47
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	15	0.47
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	20	0.47
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	8	0.47
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	1	0.47
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	1	0.47
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	18	0.47
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	2	0.47
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	9	0.47
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD13	15	0.47
(4,3054)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	3	0.47
(4,3054)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	7	0.47
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	7	0.47
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	18	0.47
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	19	0.47
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	20	0.47
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	4	0.47
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	12	0.47
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD11	14	0.47
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	3	0.47
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	6	0.47
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	8	0.47
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	16	0.47
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	20	0.47
(4,2785)	2:285:A:LEU:H	2:285:A:LEU:HD12	16	0.47
(4,2775)	2:229:A:ALA:HB3	2:231:A:LEU:H	18	0.47
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	3	0.47
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	1	0.47
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	15	0.47
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	4	0.47
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	7	0.47
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	8	0.47
(4,2671)	2:262:A:VAL:HG21	2:311:A:ALA:H	11	0.47
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	13	0.47
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	16	0.47
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	6	0.47
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	9	0.47
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	12	0.47
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	17	0.47
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	19	0.47
(4,2564)	2:280:A:VAL:HG11	2:294:A:SER:H	6	0.47
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG23	20	0.47
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD13	18	0.47
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG23	11	0.47
(4,2446)	2:262:A:VAL:H	2:262:A:VAL:HG21	19	0.47
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	12	0.47
(4,2396)	2:236:A:THR:HG23	2:237:A:GLU:H	18	0.47
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	5	0.47
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	10	0.47
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	16	0.47
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	18	0.47
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	19	0.47
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	1	0.47
(4,2272)	2:295:A:VAL:HG23	2:306:A:SER:H	19	0.47
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	13	0.47
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	16	0.47
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	1	0.47
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG22	3	0.47
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG22	5	0.47
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	12	0.47
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	20	0.47
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE1	10	0.47
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	5	0.47
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	10	0.47
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	16	0.47
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	20	0.47
(4,1891)	2:285:A:LEU:H	2:285:A:LEU:HD12	16	0.47
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	17	0.47
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	18	0.47
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	10	0.47
(4,1794)	2:262:A:VAL:HG21	2:311:A:ALA:H	12	0.47
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	12	0.47
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	19	0.47
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	20	0.47
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	7	0.47
(4,1702)	2:280:A:VAL:HG11	2:294:A:SER:H	4	0.47
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG22	1	0.47
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	4	0.47
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	18	0.47
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	15	0.47
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB3	16	0.47
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	7	0.47
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	12	0.47
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	17	0.47
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	18	0.47
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	1	0.47
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	10	0.47
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	14	0.47
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD21	10	0.47
(4,1429)	2:310:A:ALA:HB3	2:309:A:VAL:H	7	0.47
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	16	0.47
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	9	0.47
(4,1217)	2:321:A:MET:HE1	2:288:A:GLY:HA3	13	0.47
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	8	0.47
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	10	0.47
(4,1152)	2:339:A:ILE:HD11	2:277:A:SER:HB3	15	0.47
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	17	0.47
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	11	0.47
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	11	0.47
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	7	0.47
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	8	0.47
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	11	0.47
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	11	0.47
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	8	0.47
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	19	0.47
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	7	0.47
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	18	0.47
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	1	0.47
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	3	0.47
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	12	0.47
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	4	0.47
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	11	0.47
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	14	0.47
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	5	0.47
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	6	0.47
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	13	0.47
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	18	0.47
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD23	18	0.47
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	14	0.47
(4,550)	2:250:A:VAL:HG12	2:251:A:THR:H	8	0.47
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	12	0.47
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD11	15	0.47
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	10	0.47
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	15	0.47
(4,437)	2:258:A:ILE:HD11	2:333:A:TYR:HA	10	0.47
(4,430)	2:285:A:LEU:HD22	2:285:A:LEU:HA	16	0.47
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE1	3	0.47
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE2	20	0.47
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	3	0.47
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	17	0.47
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	20	0.47
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	11	0.47
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	2	0.47
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	3	0.47
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	9	0.47
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	10	0.47
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	12	0.47
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	15	0.47
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD12	18	0.47
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	20	0.47
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	13	0.47
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	13	0.47
(3,491)	2:341:A:LYS:HD3	2:341:A:LYS:HA	8	0.47
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	4	0.47
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	18	0.47
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	12	0.47
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA3	7	0.47
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	17	0.47
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	14	0.47
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	14	0.47
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	11	0.47
(3,386)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	3	0.47
(3,378)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	16	0.47
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	20	0.47
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	12	0.47
(3,311)	2:339:A:ILE:HG22	2:339:A:ILE:H	15	0.47
(3,243)	2:238:A:ARG:HB2	2:239:A:GLN:H	2	0.47
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	10	0.47
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	3	0.47
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA2	17	0.47
(3,204)	2:261:A:LEU:HD13	2:258:A:ILE:H	8	0.47
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	18	0.47
(3,159)	1:6:B:ILE:HG13	1:6:B:ILE:H	17	0.47
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	13	0.47
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	3	0.47
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	1	0.47
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	20	0.47
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	15	0.47
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	8	0.47
(3,36)	2:296:A:SER:HA	2:295:A:VAL:HG12	2	0.47
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	3	0.47
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	11	0.47
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG12	19	0.46
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	9	0.46
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	19	0.46
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB1	11	0.46
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	12	0.46
(4,4228)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	19	0.46
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	11	0.46
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD12	19	0.46
(4,4193)	2:336:A:ARG:HG3	2:337:A:ARG:H	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	15	0.46
(4,4179)	2:284:A:MET:HE3	2:321:A:MET:H	19	0.46
(4,4171)	2:284:A:MET:HE1	2:288:A:GLY:H	8	0.46
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG22	18	0.46
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	13	0.46
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	7	0.46
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	10	0.46
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	18	0.46
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG23	12	0.46
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB1	5	0.46
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	13	0.46
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB1	15	0.46
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB2	17	0.46
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG23	20	0.46
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	19	0.46
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	14	0.46
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	2	0.46
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	18	0.46
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	6	0.46
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	4	0.46
(4,3859)	2:321:A:MET:HE3	2:333:A:TYR:H	16	0.46
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	4	0.46
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	11	0.46
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	13	0.46
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	18	0.46
(4,3736)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	10	0.46
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	8	0.46
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	9	0.46
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	11	0.46
(4,3717)	2:277:A:SER:H	2:276:A:MET:HG3	3	0.46
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	2	0.46
(4,3674)	2:280:A:VAL:HG11	2:280:A:VAL:H	16	0.46
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	4	0.46
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	11	0.46
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD23	6	0.46
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	18	0.46
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	20	0.46
(4,3559)	2:281:A:LEU:HD13	2:335:A:GLN:HG2	17	0.46
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	15	0.46
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	18	0.46
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD13	5	0.46
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG13	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	14	0.46
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	6	0.46
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	17	0.46
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	9	0.46
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG21	8	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	1	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	4	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	11	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	16	0.46
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	19	0.46
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	3	0.46
(4,3119)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	12	0.46
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD13	11	0.46
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	9	0.46
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	10	0.46
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	12	0.46
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	19	0.46
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	20	0.46
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	2	0.46
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	3	0.46
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	6	0.46
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	15	0.46
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	17	0.46
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	19	0.46
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD11	5	0.46
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	4	0.46
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	11	0.46
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	7	0.46
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	10	0.46
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	15	0.46
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	16	0.46
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	14	0.46
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD23	3	0.46
(4,2829)	2:328:A:THR:HG23	2:332:A:LEU:HD22	6	0.46
(4,2762)	2:250:A:VAL:HG22	2:250:A:VAL:H	18	0.46
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	14	0.46
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	1	0.46
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	2	0.46
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	5	0.46
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	15	0.46
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	20	0.46
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	7	0.46
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	11	0.46
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	13	0.46
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	3	0.46
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	7	0.46
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	15	0.46
(4,2523)	2:235:A:THR:HG23	2:235:A:THR:H	2	0.46
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	14	0.46
(4,2416)	2:230:A:GLU:HG2	2:230:A:GLU:H	20	0.46
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	7	0.46
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	11	0.46
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	17	0.46
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	19	0.46
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	2	0.46
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	9	0.46
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	5	0.46
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD21	3	0.46
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	7	0.46
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	14	0.46
(4,2174)	2:276:A:MET:HE1	2:276:A:MET:H	6	0.46
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	9	0.46
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG22	16	0.46
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	3	0.46
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	6	0.46
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	8	0.46
(4,1881)	2:229:A:ALA:HB3	2:231:A:LEU:H	18	0.46
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	3	0.46
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	15	0.46
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	4	0.46
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	7	0.46
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	8	0.46
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	13	0.46
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	16	0.46
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	4	0.46
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	6	0.46
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	18	0.46
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	9	0.46
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	12	0.46
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	17	0.46
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	19	0.46
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	7	0.46
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1702)	2:280:A:VAL:HG11	2:294:A:SER:H	6	0.46
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG23	20	0.46
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG23	11	0.46
(4,1611)	2:262:A:VAL:H	2:262:A:VAL:HG21	19	0.46
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	2	0.46
(4,1572)	2:236:A:THR:HG23	2:237:A:GLU:H	18	0.46
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD13	6	0.46
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	1	0.46
(4,1487)	2:295:A:VAL:HG23	2:306:A:SER:H	19	0.46
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	7	0.46
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	19	0.46
(4,1429)	2:310:A:ALA:HB2	2:309:A:VAL:H	20	0.46
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	13	0.46
(4,1405)	2:276:A:MET:HE2	2:276:A:MET:H	19	0.46
(4,1295)	1:10:B:ASN:HD22	1:12:B:ARG:H	2	0.46
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	17	0.46
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	17	0.46
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	11	0.46
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	1	0.46
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	2	0.46
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	19	0.46
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG23	10	0.46
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	7	0.46
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	12	0.46
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	7	0.46
(4,1096)	2:284:A:MET:HE3	2:321:A:MET:H	9	0.46
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	13	0.46
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	11	0.46
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	16	0.46
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD12	5	0.46
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	4	0.46
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	18	0.46
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB2	11	0.46
(4,885)	2:276:A:MET:HE3	2:301:A:ASP:H	3	0.46
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	3	0.46
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	9	0.46
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	20	0.46
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	5	0.46
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	6	0.46
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	14	0.46
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	20	0.46
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	17	0.46
(4,739)	2:272:A:ALA:HA	2:345:A:LEU:HD21	12	0.46
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	8	0.46
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	9	0.46
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	14	0.46
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	2	0.46
(4,634)	2:328:A:THR:HG23	2:332:A:LEU:H	7	0.46
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG23	3	0.46
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	8	0.46
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	11	0.46
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	19	0.46
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	2	0.46
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG13	13	0.46
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	16	0.46
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	20	0.46
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	17	0.46
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	16	0.46
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	10	0.46
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	15	0.46
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	16	0.46
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	20	0.46
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG23	1	0.46
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	1	0.46
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	13	0.46
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	4	0.46
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	9	0.46
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD13	15	0.46
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	5	0.46
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	6	0.46
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	7	0.46
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	8	0.46
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	18	0.46
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	20	0.46
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	11	0.46
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	6	0.46
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	8	0.46
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	12	0.46
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	9	0.46
(3,545)	2:341:A:LYS:HD3	2:341:A:LYS:HA	8	0.46
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	1	0.46
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	17	0.46
(3,519)	2:339:A:ILE:HG21	2:341:A:LYS:HD3	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	5	0.46
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	11	0.46
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	13	0.46
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	6	0.46
(3,404)	2:284:A:MET:HE1	2:336:A:ARG:H	10	0.46
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	12	0.46
(3,386)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	8	0.46
(3,378)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	4	0.46
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	6	0.46
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	8	0.46
(3,378)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	11	0.46
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	20	0.46
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	17	0.46
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	5	0.46
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB2	9	0.46
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	16	0.46
(3,320)	2:276:A:MET:HB3	2:273:A:ARG:H	16	0.46
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	9	0.46
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	11	0.46
(3,276)	2:339:A:ILE:HG23	2:339:A:ILE:H	18	0.46
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	4	0.46
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB2	4	0.46
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	14	0.46
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	18	0.46
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	12	0.46
(3,206)	2:285:A:LEU:HB2	2:291:A:THR:H	15	0.46
(3,204)	2:261:A:LEU:HD13	2:258:A:ILE:H	7	0.46
(3,154)	2:321:A:MET:HE3	2:333:A:TYR:HA	8	0.46
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	3	0.46
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	4	0.46
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	10	0.46
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	12	0.46
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	10	0.46
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	1	0.46
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	2	0.46
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	3	0.46
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	4	0.46
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	15	0.46
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	8	0.45
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	12	0.45
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	18	0.45
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB2	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4250)	2:339:A:ILE:HD13	2:277:A:SER:HB3	7	0.45
(4,4246)	2:279:A:GLU:HG2	2:339:A:ILE:HG12	18	0.45
(4,4231)	2:280:A:VAL:HG11	2:281:A:LEU:H	10	0.45
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	15	0.45
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	2	0.45
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	13	0.45
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	20	0.45
(4,4205)	2:323:A:GLN:H	2:254:A:LEU:HD11	8	0.45
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	14	0.45
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE1	11	0.45
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	5	0.45
(4,4134)	2:338:A:ILE:HG23	1:4:B:LEU:H	5	0.45
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	17	0.45
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	18	0.45
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	4	0.45
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	13	0.45
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	20	0.45
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	2	0.45
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	5	0.45
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB1	7	0.45
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	13	0.45
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG23	4	0.45
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG23	19	0.45
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	1	0.45
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	14	0.45
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	2	0.45
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	2	0.45
(4,3859)	2:321:A:MET:HE1	2:333:A:TYR:H	9	0.45
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	19	0.45
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	2	0.45
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	9	0.45
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	11	0.45
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	2	0.45
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	3	0.45
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	4	0.45
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	5	0.45
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	7	0.45
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	19	0.45
(4,3674)	2:280:A:VAL:HG12	2:280:A:VAL:H	1	0.45
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	1	0.45
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	7	0.45
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	10	0.45
(4,3598)	2:328:A:THR:HG22	2:332:A:LEU:H	5	0.45
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	14	0.45
(4,3509)	2:257:A:LEU:HD13	2:257:A:LEU:H	3	0.45
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	13	0.45
(4,3473)	2:249:A:GLU:H	2:249:A:GLU:HG2	9	0.45
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	7	0.45
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD13	12	0.45
(4,3318)	2:285:A:LEU:HD23	2:285:A:LEU:HA	15	0.45
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	19	0.45
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	19	0.45
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE1	7	0.45
(4,3286)	2:321:A:MET:HE1	2:284:A:MET:HE1	14	0.45
(4,3263)	2:276:A:MET:HE3	2:272:A:ALA:HA	8	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	2	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	5	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	7	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	9	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	13	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	14	0.45
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	18	0.45
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	6	0.45
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	5	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	1	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	4	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	5	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	7	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	8	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	9	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	10	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	11	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	12	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	13	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	14	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	16	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	18	0.45
(4,3080)	2:325:A:PRO:HB2	2:325:A:PRO:HA	20	0.45
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	1	0.45
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	14	0.45
(4,2894)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	1	0.45
(4,2831)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	18	0.45
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD21	3	0.45
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	20	0.45
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	17	0.45
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	18	0.45
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	19	0.45
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	10	0.45
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	16	0.45
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	17	0.45
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	13	0.45
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	4	0.45
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	8	0.45
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	15	0.45
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	18	0.45
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	14	0.45
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	18	0.45
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	9	0.45
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	10	0.45
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	14	0.45
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	20	0.45
(4,2411)	2:310:A:ALA:H	2:311:A:ALA:HB1	18	0.45
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	13	0.45
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	4	0.45
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	8	0.45
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	3	0.45
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	17	0.45
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	20	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	6	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	9	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	15	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	17	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	19	0.45
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	20	0.45
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	3	0.45
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	8	0.45
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG21	20	0.45
(4,2023)	2:276:A:MET:HE1	2:272:A:ALA:HA	18	0.45
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	14	0.45
(4,1871)	2:250:A:VAL:HG22	2:250:A:VAL:H	18	0.45
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	14	0.45
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	1	0.45
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	2	0.45
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1794)	2:262:A:VAL:HG21	2:311:A:ALA:H	11	0.45
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	15	0.45
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	20	0.45
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	1	0.45
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	11	0.45
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	3	0.45
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	7	0.45
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	15	0.45
(4,1673)	2:235:A:THR:HG23	2:235:A:THR:H	2	0.45
(4,1588)	2:230:A:GLU:HG2	2:230:A:GLU:H	20	0.45
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	7	0.45
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	11	0.45
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	12	0.45
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	17	0.45
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	19	0.45
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD12	7	0.45
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	5	0.45
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD21	3	0.45
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	7	0.45
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	14	0.45
(4,1405)	2:276:A:MET:HE1	2:276:A:MET:H	6	0.45
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	15	0.45
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	10	0.45
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	3	0.45
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	8	0.45
(4,1221)	2:276:A:MET:HE2	2:304:A:PHE:H	10	0.45
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	18	0.45
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	15	0.45
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	1	0.45
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	12	0.45
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	3	0.45
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	9	0.45
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	2	0.45
(4,1093)	2:321:A:MET:HE1	2:284:A:MET:HE1	14	0.45
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	7	0.45
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	6	0.45
(4,1032)	2:276:A:MET:HE3	2:272:A:ALA:HA	8	0.45
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	14	0.45
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	10	0.45
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	11	0.45
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	5	0.45
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,827)	2:321:A:MET:H	2:321:A:MET:HB3	1	0.45
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	7	0.45
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	15	0.45
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	19	0.45
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	20	0.45
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	14	0.45
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	18	0.45
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	20	0.45
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	11	0.45
(4,550)	2:250:A:VAL:HG12	2:251:A:THR:H	1	0.45
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	3	0.45
(4,437)	2:258:A:ILE:HD11	2:333:A:TYR:HA	13	0.45
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	14	0.45
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	9	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	1	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	2	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	4	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	11	0.45
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	19	0.45
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	1	0.45
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	1	0.45
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	18	0.45
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	2	0.45
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	12	0.45
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	20	0.45
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	3	0.45
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	6	0.45
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	17	0.45
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD11	5	0.45
(4,233)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	3	0.45
(4,233)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	7	0.45
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	4	0.45
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	11	0.45
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	19	0.45
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	3	0.45
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	4	0.45
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD11	14	0.45
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	7	0.45
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD2	18	0.45
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	10	0.45
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	10	0.45
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	3	0.45
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	6	0.45
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	14	0.45
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	2	0.45
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	1	0.45
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	15	0.45
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	4	0.45
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	20	0.45
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	16	0.45
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	4	0.45
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	10	0.45
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	9	0.45
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	10	0.45
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	3	0.45
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	3	0.45
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB3	20	0.45
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	1	0.45
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	11	0.45
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	6	0.45
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	12	0.45
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	13	0.45
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	15	0.45
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	5	0.45
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	11	0.45
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA3	7	0.45
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	3	0.45
(3,204)	2:261:A:LEU:HD13	2:258:A:ILE:H	5	0.45
(3,202)	2:292:A:ASN:H	2:293:A:ALA:HA	15	0.45
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	2	0.45
(3,110)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	9	0.45
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	8	0.45
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	17	0.45
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	19	0.45
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	2	0.45
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	11	0.45
(3,31)	2:339:A:ILE:HG21	2:341:A:LYS:HD3	18	0.45
(3,8)	2:341:A:LYS:HD3	2:341:A:LYS:HA	8	0.45
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	5	0.45
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	15	0.44
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	16	0.44
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	2	0.44
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	11	0.44
(4,4344)	2:321:A:MET:HE1	2:288:A:GLY:HA3	20	0.44
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG22	3	0.44
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	17	0.44
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	19	0.44
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	6	0.44
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	8	0.44
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	6	0.44
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	7	0.44
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	8	0.44
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	13	0.44
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	8	0.44
(4,4134)	2:338:A:ILE:HG23	1:4:B:LEU:H	9	0.44
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	3	0.44
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	15	0.44
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	19	0.44
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	20	0.44
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	6	0.44
(4,4069)	2:324:A:LEU:H	2:324:A:LEU:HB2	5	0.44
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	8	0.44
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	17	0.44
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	6	0.44
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG21	16	0.44
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	4	0.44
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	14	0.44
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	20	0.44
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	18	0.44
(4,3892)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	18	0.44
(4,3852)	2:321:A:MET:HE2	2:321:A:MET:H	3	0.44
(4,3852)	2:321:A:MET:HE3	2:321:A:MET:H	14	0.44
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	19	0.44
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	10	0.44
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	17	0.44
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	5	0.44
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	17	0.44
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	14	0.44
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	8	0.44
(4,3559)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	1	0.44
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	6	0.44
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG13	17	0.44
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	1	0.44
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	3	0.44
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	4	0.44
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	3	0.44
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	1	0.44
(4,3119)	2:338:A:ILE:HG21	2:280:A:VAL:HG21	8	0.44
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	4	0.44
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	7	0.44
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	18	0.44
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	4	0.44
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	2	0.44
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	8	0.44
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	18	0.44
(4,2671)	2:262:A:VAL:HG23	2:311:A:ALA:H	9	0.44
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	2	0.44
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	9	0.44
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	10	0.44
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	19	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	2	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	4	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	5	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD13	14	0.44
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	15	0.44
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	9	0.44
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	16	0.44
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE1	4	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	3	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	4	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	8	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	13	0.44
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	19	0.44
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	4	0.44
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	5	0.44
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	8	0.44
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	6	0.44
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	8	0.44
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	10	0.44
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	12	0.44
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	13	0.44
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	8	0.44
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	2	0.44
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	5	0.44
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	5	0.44
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	11	0.44
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	20	0.44
(4,2068)	2:347:A:LEU:H	2:346:A:SER:HB3	1	0.44
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG22	18	0.44
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	19	0.44
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	20	0.44
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	1	0.44
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	17	0.44
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	18	0.44
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	19	0.44
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	7	0.44
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	10	0.44
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	13	0.44
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	4	0.44
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	13	0.44
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	4	0.44
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	8	0.44
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	15	0.44
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	18	0.44
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	10	0.44
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	14	0.44
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	14	0.44
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	14	0.44
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	18	0.44
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	9	0.44
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	10	0.44
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	14	0.44
(4,1583)	2:310:A:ALA:H	2:311:A:ALA:HB1	18	0.44
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	4	0.44
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD13	13	0.44
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	13	0.44
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	4	0.44
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	8	0.44
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	3	0.44
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	20	0.44
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	6	0.44
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	15	0.44
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	17	0.44
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	19	0.44
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	8	0.44
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	12	0.44
(4,1159)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	19	0.44
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	6	0.44
(4,1152)	2:339:A:ILE:HD11	2:277:A:SER:HB3	14	0.44
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	12	0.44
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	10	0.44
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	2	0.44
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	6	0.44
(4,1090)	2:284:A:MET:HE3	2:321:A:MET:HG2	8	0.44
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	6	0.44
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	7	0.44
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	13	0.44
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	1	0.44
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	11	0.44
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	14	0.44
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	13	0.44
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	14	0.44
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	7	0.44
(4,874)	2:281:A:LEU:HD12	2:281:A:LEU:H	6	0.44
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	13	0.44
(4,737)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	6	0.44
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	20	0.44
(4,725)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	4	0.44
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	3	0.44
(4,696)	2:280:A:VAL:HG13	2:280:A:VAL:H	17	0.44
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	9	0.44
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	15	0.44
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD11	4	0.44
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD12	16	0.44
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	17	0.44
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG13	8	0.44
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG12	19	0.44
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	6	0.44
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	20	0.44
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE3	1	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	5	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	7	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	9	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	13	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	14	0.44
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	18	0.44
(4,292)	2:338:A:ILE:HG22	2:280:A:VAL:HG23	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD13	11	0.44
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	9	0.44
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	10	0.44
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	19	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	1	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	2	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	4	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	5	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	7	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	8	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	9	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	10	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	11	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	12	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	13	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	14	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	15	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	16	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	18	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	19	0.44
(4,260)	2:325:A:PRO:HB2	2:325:A:PRO:HA	20	0.44
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	1	0.44
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	7	0.44
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	10	0.44
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	16	0.44
(4,96)	2:338:A:ILE:HG13	2:338:A:ILE:HG22	1	0.44
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	14	0.44
(4,35)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	18	0.44
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD23	3	0.44
(4,32)	2:328:A:THR:HG23	2:332:A:LEU:HD22	6	0.44
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	9	0.44
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	17	0.44
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	17	0.44
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	7	0.44
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	10	0.44
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	15	0.44
(3,471)	2:238:A:ARG:HG2	2:238:A:ARG:H	12	0.44
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD11	17	0.44
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	13	0.44
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	12	0.44
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	12	0.44
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD12	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	9	0.44
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	18	0.44
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD23	10	0.44
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	13	0.44
(3,362)	2:347:A:LEU:HA	2:347:A:LEU:HB2	13	0.44
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB2	15	0.44
(3,320)	2:276:A:MET:HB3	2:273:A:ARG:H	3	0.44
(3,311)	2:339:A:ILE:HG21	2:339:A:ILE:H	2	0.44
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	2	0.44
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	16	0.44
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	20	0.44
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	3	0.44
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	6	0.44
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	14	0.44
(3,246)	2:239:A:GLN:HG2	2:240:A:GLN:H	8	0.44
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB2	7	0.44
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	19	0.44
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	2	0.44
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	1	0.44
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	14	0.44
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	17	0.44
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	14	0.44
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	15	0.44
(3,178)	2:276:A:MET:HB3	2:273:A:ARG:H	10	0.44
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	4	0.44
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	20	0.44
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	4	0.44
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	14	0.44
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	1	0.44
(3,110)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	11	0.44
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	18	0.44
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	1	0.44
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	9	0.44
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	16	0.44
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	14	0.44
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG12	6	0.44
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	13	0.44
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	16	0.44
(3,61)	2:338:A:ILE:HG23	2:339:A:ILE:H	15	0.44
(3,60)	2:347:A:LEU:HB3	2:347:A:LEU:HA	20	0.44
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	1	0.44
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	17	0.44
(3,12)	2:284:A:MET:HE2	2:336:A:ARG:HB2	8	0.44
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	8	0.43
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	20	0.43
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	14	0.43
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG22	19	0.43
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	18	0.43
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	18	0.43
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB3	16	0.43
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	9	0.43
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	8	0.43
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	5	0.43
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	12	0.43
(4,4175)	2:284:A:MET:HE1	2:318:A:ILE:HG12	1	0.43
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	14	0.43
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	10	0.43
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	3	0.43
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	7	0.43
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	10	0.43
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	15	0.43
(4,4069)	2:324:A:LEU:H	2:324:A:LEU:HB2	16	0.43
(4,4017)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	17	0.43
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG21	5	0.43
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	3	0.43
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG21	6	0.43
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	10	0.43
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG21	16	0.43
(4,3892)	2:295:A:VAL:HG21	2:305:A:ASP:HB3	5	0.43
(4,3892)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	9	0.43
(4,3892)	2:295:A:VAL:HG21	2:305:A:ASP:HB3	16	0.43
(4,3892)	2:295:A:VAL:HG23	2:305:A:ASP:HB3	20	0.43
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	12	0.43
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	9	0.43
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	5	0.43
(4,3725)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	1	0.43
(4,3718)	2:277:A:SER:H	2:276:A:MET:HG3	3	0.43
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	11	0.43
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	3	0.43
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	19	0.43
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	2	0.43
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	12	0.43
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3559)	2:281:A:LEU:HD13	2:335:A:GLN:HG2	18	0.43
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG22	6	0.43
(4,3480)	2:250:A:VAL:HG12	2:251:A:THR:H	13	0.43
(4,3335)	2:258:A:ILE:HD13	2:333:A:TYR:HA	2	0.43
(4,3317)	2:295:A:VAL:HG13	2:278:A:VAL:HG11	7	0.43
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	5	0.43
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	8	0.43
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	6	0.43
(4,3263)	2:276:A:MET:HE2	2:272:A:ALA:HA	2	0.43
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	10	0.43
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	1	0.43
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	16	0.43
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	5	0.43
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	12	0.43
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	14	0.43
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	10	0.43
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	11	0.43
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	12	0.43
(4,2786)	2:330:A:ASP:H	2:329:A:PHE:HB2	2	0.43
(4,2762)	2:250:A:VAL:HG21	2:250:A:VAL:H	7	0.43
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	4	0.43
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD13	3	0.43
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	9	0.43
(4,2673)	2:340:A:PHE:HE2	2:312:A:VAL:H	12	0.43
(4,2671)	2:262:A:VAL:HG22	2:311:A:ALA:H	3	0.43
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	20	0.43
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	18	0.43
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	17	0.43
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	11	0.43
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	5	0.43
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG21	5	0.43
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	5	0.43
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	18	0.43
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	18	0.43
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	7	0.43
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	3	0.43
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	16	0.43
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	2	0.43
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	4	0.43
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	3	0.43
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	4	0.43
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1871)	2:250:A:VAL:HG21	2:250:A:VAL:H	7	0.43
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD21	3	0.43
(4,1794)	2:262:A:VAL:HG23	2:311:A:ALA:H	9	0.43
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	9	0.43
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	16	0.43
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	17	0.43
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	10	0.43
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	19	0.43
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	2	0.43
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	5	0.43
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD13	14	0.43
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	15	0.43
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	17	0.43
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	16	0.43
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE1	4	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	3	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	4	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	8	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	19	0.43
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	20	0.43
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	5	0.43
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	18	0.43
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD13	4	0.43
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	8	0.43
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	10	0.43
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	12	0.43
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	13	0.43
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	8	0.43
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	2	0.43
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	6	0.43
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	17	0.43
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	9	0.43
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	20	0.43
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	3	0.43
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	5	0.43
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	11	0.43
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	20	0.43
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	18	0.43
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	7	0.43
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	4	0.43
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	16	0.43
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	13	0.43
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	1	0.43
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	12	0.43
(4,1138)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	19	0.43
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	20	0.43
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	6	0.43
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	3	0.43
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD13	13	0.43
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	4	0.43
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	18	0.43
(4,1032)	2:276:A:MET:HE2	2:272:A:ALA:HA	2	0.43
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	9	0.43
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB1	5	0.43
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	8	0.43
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB1	15	0.43
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB2	17	0.43
(4,908)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	19	0.43
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	10	0.43
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	11	0.43
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	18	0.43
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	9	0.43
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	18	0.43
(4,737)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	10	0.43
(4,737)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	12	0.43
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	6	0.43
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	9	0.43
(4,725)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	15	0.43
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	10	0.43
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	11	0.43
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	16	0.43
(4,604)	2:281:A:LEU:HD13	2:335:A:GLN:HG2	17	0.43
(4,552)	2:250:A:VAL:HG21	2:249:A:GLU:HB2	2	0.43
(4,430)	2:285:A:LEU:HD23	2:285:A:LEU:HA	15	0.43
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG13	17	0.43
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE3	15	0.43
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	3	0.43
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	3	0.43
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	5	0.43
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	15	0.43
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	14	0.43
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	8	0.43
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	20	0.43
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	4	0.43
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	11	0.43
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	16	0.43
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	7	0.43
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	13	0.43
(3,471)	2:238:A:ARG:HG2	2:238:A:ARG:H	16	0.43
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA2	10	0.43
(3,451)	2:317:A:ARG:HG3	2:318:A:ILE:H	20	0.43
(3,423)	2:321:A:MET:HE3	2:333:A:TYR:HA	12	0.43
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	4	0.43
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD13	8	0.43
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	5	0.43
(3,378)	2:257:A:LEU:HD21	2:260:A:ASN:HB3	7	0.43
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	9	0.43
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	12	0.43
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	13	0.43
(3,378)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	17	0.43
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG13	8	0.43
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	10	0.43
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG13	12	0.43
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	13	0.43
(3,303)	2:261:A:LEU:HD12	2:258:A:ILE:H	9	0.43
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	17	0.43
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	18	0.43
(3,293)	2:318:A:ILE:HD11	2:290:A:ILE:H	20	0.43
(3,283)	1:10:B:ASN:H	2:265:A:GLN:H	1	0.43
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	14	0.43
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	7	0.43
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	10	0.43
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	15	0.43
(3,242)	2:238:A:ARG:HG2	2:238:A:ARG:H	12	0.43
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	13	0.43
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB2	18	0.43
(3,204)	2:261:A:LEU:HD13	2:258:A:ILE:H	4	0.43
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	13	0.43
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD13	4	0.43
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD13	14	0.43
(3,89)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	15	0.43
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	16	0.43
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	7	0.43
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	9	0.43
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	17	0.43
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	10	0.43
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	4	0.43
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG23	6	0.43
(3,2)	2:325:A:PRO:HG3	2:324:A:LEU:HA	16	0.43
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG11	18	0.42
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	11	0.42
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	17	0.42
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	20	0.42
(4,4346)	2:338:A:ILE:HD13	2:338:A:ILE:HA	1	0.42
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	3	0.42
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	9	0.42
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	17	0.42
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	6	0.42
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	14	0.42
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	12	0.42
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	13	0.42
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	1	0.42
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	15	0.42
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	7	0.42
(4,4133)	2:282:A:ILE:HG21	2:336:A:ARG:H	16	0.42
(4,4107)	2:273:A:ARG:HA	2:273:A:ARG:HD3	12	0.42
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	8	0.42
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	20	0.42
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG21	18	0.42
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG23	20	0.42
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	11	0.42
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD11	3	0.42
(4,3976)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	14	0.42
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	4	0.42
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	14	0.42
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	20	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG21	2	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	7	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	12	0.42
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	15	0.42
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	3	0.42
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	8	0.42
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	13	0.42
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	17	0.42
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	2	0.42
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	17	0.42
(4,3902)	2:281:A:LEU:HD11	2:281:A:LEU:H	19	0.42
(4,3892)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	14	0.42
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	3	0.42
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	7	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	1	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	2	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	6	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	7	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	9	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	10	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	12	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	15	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	16	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	17	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	18	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	19	0.42
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	20	0.42
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	12	0.42
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	4	0.42
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	11	0.42
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	19	0.42
(4,3559)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	5	0.42
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	12	0.42
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	15	0.42
(4,3334)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	1	0.42
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	3	0.42
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	8	0.42
(4,3263)	2:276:A:MET:HE2	2:272:A:ALA:HA	1	0.42
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG21	20	0.42
(4,3232)	2:242:A:LEU:HB2	2:242:A:LEU:HA	6	0.42
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB1	8	0.42
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	18	0.42
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	17	0.42
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB1	17	0.42
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	4	0.42
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	7	0.42
(4,3031)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	15	0.42
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	6	0.42
(4,2921)	2:347:A:LEU:HD12	2:346:A:SER:HB3	4	0.42
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD21	17	0.42
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	1	0.42
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	13	0.42
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	15	0.42
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	3	0.42
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	5	0.42
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	12	0.42
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	20	0.42
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	5	0.42
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG21	8	0.42
(4,2510)	2:244:A:ASP:HA	2:245:A:GLU:H	9	0.42
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	5	0.42
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG11	1	0.42
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG12	16	0.42
(4,2396)	2:236:A:THR:HG21	2:237:A:GLU:H	19	0.42
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	16	0.42
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	11	0.42
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	4	0.42
(4,2216)	2:325:A:PRO:HD3	2:328:A:THR:H	11	0.42
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	13	0.42
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD21	14	0.42
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	2	0.42
(4,2181)	2:324:A:LEU:HD12	2:324:A:LEU:H	6	0.42
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	8	0.42
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	16	0.42
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG22	3	0.42
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	7	0.42
(4,1892)	2:330:A:ASP:H	2:329:A:PHE:HB2	2	0.42
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	4	0.42
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	12	0.42
(4,1794)	2:262:A:VAL:HG22	2:311:A:ALA:H	3	0.42
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	2	0.42
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	20	0.42
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	18	0.42
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	9	0.42
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	17	0.42
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	11	0.42
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	5	0.42
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG21	5	0.42
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	5	0.42
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	13	0.42
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	7	0.42
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	5	0.42
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	2	0.42
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	4	0.42
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	3	0.42
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	4	0.42
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	12	0.42
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	19	0.42
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	18	0.42
(4,1140)	2:280:A:VAL:HG11	2:281:A:LEU:H	10	0.42
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	15	0.42
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	14	0.42
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	3	0.42
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG22	18	0.42
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD11	3	0.42
(4,1032)	2:276:A:MET:HE2	2:272:A:ALA:HA	1	0.42
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	7	0.42
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	10	0.42
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	18	0.42
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	2	0.42
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB1	13	0.42
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB1	7	0.42
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	19	0.42
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	5	0.42
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	8	0.42
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	2	0.42
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	14	0.42
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	18	0.42
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	7	0.42
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	4	0.42
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	10	0.42
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	11	0.42
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	3	0.42
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	4	0.42
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	5	0.42
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	7	0.42
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	8	0.42
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	11	0.42
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	2	0.42
(4,696)	2:280:A:VAL:HG11	2:280:A:VAL:H	16	0.42
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	4	0.42
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD23	6	0.42
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	14	0.42
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD13	5	0.42
(4,429)	2:295:A:VAL:HG13	2:278:A:VAL:HG11	7	0.42
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	19	0.42
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	13	0.42
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	1	0.42
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	16	0.42
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	1	0.42
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG21	6	0.42
(4,292)	2:338:A:ILE:HG21	2:280:A:VAL:HG21	8	0.42
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	4	0.42
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	7	0.42
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	18	0.42
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	2	0.42
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	13	0.42
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	18	0.42
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD11	17	0.42
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	7	0.42
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	6	0.42
(3,519)	2:339:A:ILE:HG21	2:341:A:LYS:HD3	8	0.42
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	9	0.42
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	20	0.42
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	1	0.42
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	18	0.42
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	18	0.42
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	20	0.42
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	18	0.42
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	3	0.42
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD13	5	0.42
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	19	0.42
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	5	0.42
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	10	0.42
(3,321)	1:4:B:LEU:HB3	2:339:A:ILE:H	18	0.42
(3,303)	2:261:A:LEU:HD13	2:258:A:ILE:H	7	0.42
(3,303)	2:261:A:LEU:HD13	2:258:A:ILE:H	8	0.42
(3,277)	2:305:A:ASP:H	2:302:A:LYS:HB3	16	0.42
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	11	0.42
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	16	0.42
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	7	0.42
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	13	0.42
(3,242)	2:238:A:ARG:HG2	2:238:A:ARG:H	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA2	10	0.42
(3,204)	2:261:A:LEU:HD11	2:258:A:ILE:H	19	0.42
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD11	17	0.42
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	9	0.42
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	6	0.42
(3,110)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	10	0.42
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD2	18	0.42
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	12	0.42
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	1	0.42
(3,79)	2:282:A:ILE:HA	2:280:A:VAL:HG13	14	0.42
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD21	17	0.42
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	12	0.42
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	9	0.42
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	10	0.42
(3,60)	2:347:A:LEU:HB3	2:347:A:LEU:HA	15	0.42
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	17	0.42
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	12	0.42
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	3	0.41
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	11	0.41
(4,4404)	1:6:B:ILE:HD13	1:6:B:ILE:H	6	0.41
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	1	0.41
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE2	13	0.41
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	12	0.41
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	3	0.41
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	18	0.41
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	1	0.41
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	17	0.41
(4,4161)	2:258:A:ILE:HD12	2:259:A:VAL:H	8	0.41
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	5	0.41
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	14	0.41
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	15	0.41
(4,4134)	2:338:A:ILE:HG23	1:4:B:LEU:H	8	0.41
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	9	0.41
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	16	0.41
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	17	0.41
(4,4069)	2:324:A:LEU:H	2:324:A:LEU:HB2	11	0.41
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	6	0.41
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	10	0.41
(4,3976)	2:278:A:VAL:HG12	2:308:A:ALA:HB3	7	0.41
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG21	2	0.41
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	1	0.41
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG21	9	0.41
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	13	0.41
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG21	19	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	1	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	5	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	7	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	11	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	15	0.41
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	19	0.41
(4,3915)	2:276:A:MET:HE3	2:301:A:ASP:H	7	0.41
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	13	0.41
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	10	0.41
(4,3812)	2:291:A:THR:HG23	2:289:A:THR:HB	14	0.41
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	18	0.41
(4,3717)	2:277:A:SER:H	2:276:A:MET:HG3	9	0.41
(4,3717)	2:277:A:SER:H	2:276:A:MET:HG3	16	0.41
(4,3648)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	15	0.41
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	3	0.41
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	4	0.41
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	5	0.41
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	8	0.41
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	13	0.41
(4,3633)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	14	0.41
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	7	0.41
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	16	0.41
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	19	0.41
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	5	0.41
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	9	0.41
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	10	0.41
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	2	0.41
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	9	0.41
(4,3560)	2:281:A:LEU:HD11	2:335:A:GLN:HA	15	0.41
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	17	0.41
(4,3509)	2:257:A:LEU:HD11	2:257:A:LEU:H	2	0.41
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	1	0.41
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD12	5	0.41
(4,3317)	2:295:A:VAL:HG12	2:278:A:VAL:HG12	15	0.41
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	18	0.41
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	13	0.41
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	20	0.41
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	3	0.41
(4,3241)	2:258:A:ILE:HD13	2:321:A:MET:HE1	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	15	0.41
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB3	6	0.41
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	1	0.41
(4,3219)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	4	0.41
(4,3219)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	12	0.41
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	3	0.41
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	9	0.41
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	9	0.41
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	13	0.41
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	15	0.41
(4,3119)	2:338:A:ILE:HG23	2:280:A:VAL:HG22	4	0.41
(4,3063)	2:331:A:SER:HB3	2:332:A:LEU:HD12	18	0.41
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	20	0.41
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	3	0.41
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	19	0.41
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB3	14	0.41
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD11	7	0.41
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD12	10	0.41
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD13	11	0.41
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	20	0.41
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	12	0.41
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	18	0.41
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	18	0.41
(4,2504)	2:305:A:ASP:H	2:295:A:VAL:HG22	9	0.41
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	8	0.41
(4,2414)	2:310:A:ALA:H	2:312:A:VAL:HG13	15	0.41
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	4	0.41
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	8	0.41
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	6	0.41
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	7	0.41
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	4	0.41
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	10	0.41
(4,2280)	2:246:A:VAL:HA	2:247:A:GLY:H	18	0.41
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	7	0.41
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD1	2	0.41
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	1	0.41
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD22	8	0.41
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	18	0.41
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	1	0.41
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	9	0.41
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	10	0.41
(4,2181)	2:324:A:LEU:HD13	2:324:A:LEU:H	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	18	0.41
(4,2161)	2:276:A:MET:HG2	2:273:A:ARG:H	9	0.41
(4,2032)	2:258:A:ILE:H	2:258:A:ILE:HG23	14	0.41
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD11	11	0.41
(4,1962)	2:332:A:LEU:HD13	2:251:A:THR:HG23	18	0.41
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	7	0.41
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	17	0.41
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD13	3	0.41
(4,1796)	2:340:A:PHE:HE2	2:312:A:VAL:H	9	0.41
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	3	0.41
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	5	0.41
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	20	0.41
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	5	0.41
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG21	8	0.41
(4,1663)	2:244:A:ASP:HA	2:245:A:GLU:H	9	0.41
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG11	1	0.41
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG12	16	0.41
(4,1572)	2:236:A:THR:HG21	2:237:A:GLU:H	19	0.41
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	16	0.41
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	3	0.41
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	11	0.41
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	16	0.41
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	13	0.41
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	2	0.41
(4,1413)	2:324:A:LEU:HD12	2:324:A:LEU:H	6	0.41
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	8	0.41
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	9	0.41
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	18	0.41
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	20	0.41
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	16	0.41
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	6	0.41
(4,1224)	2:284:A:MET:HE3	2:288:A:GLY:HA3	8	0.41
(4,1224)	2:284:A:MET:HE3	2:288:A:GLY:HA3	10	0.41
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	9	0.41
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	9	0.41
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	12	0.41
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	17	0.41
(4,1152)	2:339:A:ILE:HD13	2:277:A:SER:HB3	7	0.41
(4,1149)	2:279:A:GLU:HG2	2:339:A:ILE:HG12	18	0.41
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	9	0.41
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	11	0.41
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1106)	2:336:A:ARG:HG3	2:337:A:ARG:H	18	0.41
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	15	0.41
(4,1096)	2:284:A:MET:HE3	2:321:A:MET:H	19	0.41
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE1	11	0.41
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	5	0.41
(4,1088)	2:284:A:MET:HE1	2:288:A:GLY:H	8	0.41
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	4	0.41
(4,1008)	2:324:A:LEU:H	2:324:A:LEU:HB2	5	0.41
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	20	0.41
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	5	0.41
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	13	0.41
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	4	0.41
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	14	0.41
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	20	0.41
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	14	0.41
(4,865)	2:295:A:VAL:HG21	2:305:A:ASP:HB3	5	0.41
(4,865)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	18	0.41
(4,865)	2:295:A:VAL:HG23	2:305:A:ASP:HB3	20	0.41
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	4	0.41
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	9	0.41
(4,836)	2:321:A:MET:HE3	2:333:A:TYR:H	16	0.41
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	19	0.41
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	2	0.41
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	5	0.41
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	2	0.41
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	17	0.41
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	19	0.41
(4,696)	2:280:A:VAL:HG12	2:280:A:VAL:H	1	0.41
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	1	0.41
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	7	0.41
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	8	0.41
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	10	0.41
(4,604)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	1	0.41
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	17	0.41
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD13	12	0.41
(4,437)	2:258:A:ILE:HD13	2:333:A:TYR:HA	2	0.41
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	3	0.41
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	1	0.41
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	5	0.41
(4,375)	2:242:A:LEU:HB2	2:242:A:LEU:HA	6	0.41
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB1	8	0.41
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB1	17	0.41
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	4	0.41
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	5	0.41
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	12	0.41
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	14	0.41
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	10	0.41
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	11	0.41
(4,122)	2:347:A:LEU:HD12	2:346:A:SER:HB3	4	0.41
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD21	17	0.41
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	12	0.41
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	13	0.41
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	4	0.41
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	20	0.41
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	6	0.41
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	20	0.41
(3,491)	2:341:A:LYS:HD3	2:341:A:LYS:HA	18	0.41
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	8	0.41
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	15	0.41
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	9	0.41
(3,452)	2:242:A:LEU:HD12	2:243:A:ALA:H	16	0.41
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	9	0.41
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	12	0.41
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	20	0.41
(3,413)	2:313:A:ARG:HD3	2:312:A:VAL:HB	15	0.41
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	6	0.41
(3,404)	2:284:A:MET:HE2	2:336:A:ARG:H	11	0.41
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD23	20	0.41
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	13	0.41
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	16	0.41
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	20	0.41
(3,378)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	5	0.41
(3,378)	2:257:A:LEU:HD23	2:260:A:ASN:HB3	18	0.41
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG13	15	0.41
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG11	19	0.41
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB2	4	0.41
(3,311)	2:339:A:ILE:HG23	2:339:A:ILE:H	18	0.41
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	5	0.41
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	18	0.41
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	3	0.41
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB3	17	0.41
(3,208)	2:243:A:ALA:HA	2:243:A:ALA:H	12	0.41
(3,207)	2:317:A:ARG:HG3	2:318:A:ILE:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	1	0.41
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	18	0.41
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	18	0.41
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	7	0.41
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	9	0.41
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	15	0.41
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	16	0.41
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	6	0.41
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	20	0.41
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	9	0.41
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	13	0.41
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	4	0.41
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	3	0.41
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	4	0.4
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG12	13	0.4
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	9	0.4
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE2	7	0.4
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	14	0.4
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	7	0.4
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	8	0.4
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	15	0.4
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	1	0.4
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	15	0.4
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	16	0.4
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	17	0.4
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	19	0.4
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	8	0.4
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	11	0.4
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	19	0.4
(4,4134)	2:338:A:ILE:HG22	1:4:B:LEU:H	4	0.4
(4,4134)	2:338:A:ILE:HG21	1:4:B:LEU:H	12	0.4
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	1	0.4
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG22	2	0.4
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	4	0.4
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	1	0.4
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG22	11	0.4
(4,3970)	1:6:B:ILE:HG21	2:262:A:VAL:HG21	17	0.4
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	11	0.4
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	2	0.4
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	9	0.4
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	1	0.4
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	14	0.4
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD23	8	0.4
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	20	0.4
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	1	0.4
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	7	0.4
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	15	0.4
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	9	0.4
(4,3509)	2:257:A:LEU:HD12	2:257:A:LEU:H	10	0.4
(4,3484)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	15	0.4
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	5	0.4
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	1	0.4
(4,3334)	1:1:B:ALA:HB2	2:336:A:ARG:HD3	17	0.4
(4,3333)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	9	0.4
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	9	0.4
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	7	0.4
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	12	0.4
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	1	0.4
(4,3231)	2:241:A:ALA:HA	2:241:A:ALA:HB2	12	0.4
(4,3219)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	11	0.4
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	4	0.4
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	16	0.4
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	20	0.4
(4,3156)	2:289:A:THR:HG23	2:317:A:ARG:HD2	2	0.4
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	18	0.4
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	16	0.4
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	7	0.4
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	8	0.4
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	15	0.4
(4,3052)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	14	0.4
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	3	0.4
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	13	0.4
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	18	0.4
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	19	0.4
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	3	0.4
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG21	5	0.4
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	4	0.4
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	5	0.4
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD21	13	0.4
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	14	0.4
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	4	0.4
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	5	0.4
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	18	0.4
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	3	0.4
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	19	0.4
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	3	0.4
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	20	0.4
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	14	0.4
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	1	0.4
(4,2374)	2:254:A:LEU:H	2:254:A:LEU:HD12	14	0.4
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	4	0.4
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	16	0.4
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	18	0.4
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	2	0.4
(4,2272)	2:295:A:VAL:HG23	2:306:A:SER:H	3	0.4
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	11	0.4
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG11	16	0.4
(4,2211)	2:328:A:THR:H	2:324:A:LEU:HD23	12	0.4
(4,2181)	2:324:A:LEU:HD12	2:324:A:LEU:H	7	0.4
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	19	0.4
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD13	6	0.4
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD12	7	0.4
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB3	14	0.4
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD12	10	0.4
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD13	11	0.4
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	12	0.4
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	20	0.4
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	12	0.4
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	18	0.4
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	18	0.4
(4,1657)	2:305:A:ASP:H	2:295:A:VAL:HG22	9	0.4
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	8	0.4
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	4	0.4
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	10	0.4
(4,1495)	2:246:A:VAL:HA	2:247:A:GLY:H	18	0.4
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	7	0.4
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD1	2	0.4
(4,1439)	2:325:A:PRO:HD3	2:328:A:THR:H	4	0.4
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	8	0.4
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD21	14	0.4
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	18	0.4
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	1	0.4
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	10	0.4
(4,1413)	2:324:A:LEU:HD13	2:324:A:LEU:H	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	19	0.4
(4,1394)	2:276:A:MET:HG2	2:273:A:ARG:H	9	0.4
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG11	18	0.4
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	4	0.4
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	11	0.4
(4,1217)	2:321:A:MET:HE1	2:288:A:GLY:HA3	20	0.4
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG22	3	0.4
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	14	0.4
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG22	19	0.4
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	19	0.4
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	8	0.4
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	2	0.4
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	13	0.4
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	20	0.4
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	18	0.4
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD11	8	0.4
(4,1116)	2:323:A:GLN:H	2:254:A:LEU:HD12	19	0.4
(4,1092)	2:284:A:MET:HE1	2:318:A:ILE:HG12	1	0.4
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	3	0.4
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	19	0.4
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	20	0.4
(4,1008)	2:324:A:LEU:H	2:324:A:LEU:HB2	16	0.4
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	8	0.4
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	17	0.4
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG21	6	0.4
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	10	0.4
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG21	16	0.4
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	18	0.4
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	1	0.4
(4,865)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	9	0.4
(4,865)	2:295:A:VAL:HG21	2:305:A:ASP:HB3	16	0.4
(4,836)	2:321:A:MET:HE1	2:333:A:TYR:H	2	0.4
(4,830)	2:321:A:MET:HE2	2:321:A:MET:H	3	0.4
(4,830)	2:321:A:MET:HE3	2:321:A:MET:H	14	0.4
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	19	0.4
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	1	0.4
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	6	0.4
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	14	0.4
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	20	0.4
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	3	0.4
(4,726)	2:274:A:ASN:HB3	2:274:A:ASN:HD22	1	0.4
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	17	0.4
(4,634)	2:328:A:THR:HG22	2:332:A:LEU:H	5	0.4
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	2	0.4
(4,604)	2:281:A:LEU:HD13	2:335:A:GLN:HG2	18	0.4
(4,550)	2:250:A:VAL:HG12	2:251:A:THR:H	13	0.4
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	7	0.4
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	15	0.4
(4,382)	2:258:A:ILE:HD13	2:321:A:MET:HE1	8	0.4
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG21	20	0.4
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	15	0.4
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB3	6	0.4
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	17	0.4
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	4	0.4
(4,244)	2:331:A:SER:HB3	2:332:A:LEU:HD12	18	0.4
(4,213)	2:286:A:PRO:HD2	2:285:A:LEU:HD13	15	0.4
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	6	0.4
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG22	5	0.4
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	20	0.4
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	1	0.4
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	13	0.4
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	15	0.4
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	6	0.4
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	12	0.4
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	16	0.4
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	3	0.4
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD2	14	0.4
(3,545)	2:341:A:LYS:HD3	2:341:A:LYS:HA	18	0.4
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	9	0.4
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	12	0.4
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	11	0.4
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	19	0.4
(3,484)	2:231:A:LEU:HD11	2:231:A:LEU:H	11	0.4
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	13	0.4
(3,451)	2:317:A:ARG:HG3	2:318:A:ILE:H	15	0.4
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	5	0.4
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	7	0.4
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	8	0.4
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	13	0.4
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	17	0.4
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	7	0.4
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	9	0.4
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	14	0.4
(3,342)	2:285:A:LEU:HB2	2:291:A:THR:H	15	0.4
(3,320)	2:276:A:MET:HB3	2:273:A:ARG:H	10	0.4
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	3	0.4
(3,303)	2:261:A:LEU:HD13	2:258:A:ILE:H	5	0.4
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	8	0.4
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	6	0.4
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	15	0.4
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB3	11	0.4
(3,211)	2:240:A:GLN:HB2	2:241:A:ALA:H	15	0.4
(3,209)	2:242:A:LEU:HD12	2:243:A:ALA:H	16	0.4
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	19	0.4
(3,94)	2:289:A:THR:HG22	2:290:A:ILE:HB	6	0.4
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD13	8	0.4
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	13	0.4
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	2	0.4
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	3	0.4
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	14	0.4
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	6	0.4
(3,31)	2:339:A:ILE:HG21	2:341:A:LYS:HD3	8	0.4
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	20	0.4
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	20	0.4
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	3	0.4
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	15	0.4
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	11	0.4
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	13	0.4
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	16	0.39
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG12	20	0.39
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	5	0.39
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	3	0.39
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	9	0.39
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	4	0.39
(4,4250)	2:339:A:ILE:HD12	2:277:A:SER:HB3	18	0.39
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	17	0.39
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	2	0.39
(4,4175)	2:284:A:MET:HE2	2:318:A:ILE:HG12	12	0.39
(4,4173)	2:284:A:MET:HE1	2:321:A:MET:HG2	1	0.39
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG23	8	0.39
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	5	0.39
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB2	6	0.39
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	11	0.39
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG23	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	18	0.39
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	12	0.39
(4,3976)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	3	0.39
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	2	0.39
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB1	3	0.39
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	8	0.39
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	11	0.39
(4,3970)	1:6:B:ILE:HG23	2:262:A:VAL:HG21	8	0.39
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG23	8	0.39
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	17	0.39
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	4	0.39
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	10	0.39
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	12	0.39
(4,3891)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	16	0.39
(4,3852)	2:321:A:MET:HE3	2:321:A:MET:H	13	0.39
(4,3852)	2:321:A:MET:HE3	2:321:A:MET:H	20	0.39
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	1	0.39
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	13	0.39
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	19	0.39
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	12	0.39
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	6	0.39
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG23	10	0.39
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD12	3	0.39
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	8	0.39
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD13	12	0.39
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD12	3	0.39
(4,3377)	2:337:A:ARG:HD3	2:338:A:ILE:H	13	0.39
(4,3335)	2:258:A:ILE:HD12	2:333:A:TYR:HA	7	0.39
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	7	0.39
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	8	0.39
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE2	14	0.39
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	1	0.39
(4,3219)	2:285:A:LEU:HD23	2:285:A:LEU:HB2	2	0.39
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	5	0.39
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	9	0.39
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	3	0.39
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	11	0.39
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	9	0.39
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	10	0.39
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	11	0.39
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	18	0.39
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	15	0.39
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	5	0.39
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	13	0.39
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	12	0.39
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	15	0.39
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	20	0.39
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	1	0.39
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG21	15	0.39
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	10	0.39
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	17	0.39
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	14	0.39
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	16	0.39
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	10	0.39
(4,2713)	2:329:A:PHE:HD1	2:329:A:PHE:H	2	0.39
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	8	0.39
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD11	20	0.39
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	15	0.39
(4,2417)	2:229:A:ALA:HB1	2:230:A:GLU:H	9	0.39
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	15	0.39
(4,2390)	2:243:A:ALA:HB2	2:243:A:ALA:H	10	0.39
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	14	0.39
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	17	0.39
(4,2272)	2:295:A:VAL:HG21	2:306:A:SER:H	1	0.39
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	4	0.39
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	17	0.39
(4,2194)	2:334:A:ARG:HB2	2:334:A:ARG:H	15	0.39
(4,2181)	2:324:A:LEU:HD11	2:324:A:LEU:H	17	0.39
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	10	0.39
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG22	1	0.39
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD13	13	0.39
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	4	0.39
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	5	0.39
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	13	0.39
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	18	0.39
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	3	0.39
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	19	0.39
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	8	0.39
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	20	0.39
(4,1586)	2:310:A:ALA:H	2:312:A:VAL:HG13	15	0.39
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	1	0.39
(4,1555)	2:254:A:LEU:H	2:254:A:LEU:HD12	14	0.39
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	16	0.39
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	18	0.39
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	2	0.39
(4,1487)	2:295:A:VAL:HG23	2:306:A:SER:H	3	0.39
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	11	0.39
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG11	16	0.39
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD22	1	0.39
(4,1434)	2:328:A:THR:H	2:324:A:LEU:HD23	12	0.39
(4,1413)	2:324:A:LEU:HD12	2:324:A:LEU:H	7	0.39
(4,1242)	1:6:B:ILE:HD13	1:6:B:ILE:H	6	0.39
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	13	0.39
(4,1221)	2:276:A:MET:HE2	2:304:A:PHE:H	2	0.39
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	17	0.39
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	6	0.39
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	7	0.39
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	8	0.39
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	4	0.39
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	13	0.39
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	14	0.39
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	15	0.39
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	6	0.39
(4,933)	2:278:A:VAL:HG13	2:308:A:ALA:HB2	14	0.39
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	4	0.39
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	14	0.39
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG21	2	0.39
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	3	0.39
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	7	0.39
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	12	0.39
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	15	0.39
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	3	0.39
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	8	0.39
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	13	0.39
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	17	0.39
(4,874)	2:281:A:LEU:HD11	2:281:A:LEU:H	19	0.39
(4,865)	2:295:A:VAL:HG22	2:305:A:ASP:HB3	14	0.39
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	12	0.39
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	9	0.39
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	15	0.39
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	18	0.39
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	11	0.39
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	12	0.39
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	18	0.39
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB1	3	0.39
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	19	0.39
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	4	0.39
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	11	0.39
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	8	0.39
(4,604)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	5	0.39
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	9	0.39
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD11	12	0.39
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	18	0.39
(4,429)	2:295:A:VAL:HG12	2:278:A:VAL:HG12	15	0.39
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	18	0.39
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	3	0.39
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	1	0.39
(4,374)	2:241:A:ALA:HA	2:241:A:ALA:HB2	12	0.39
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	1	0.39
(4,366)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	4	0.39
(4,366)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	11	0.39
(4,366)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	12	0.39
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	3	0.39
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	9	0.39
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	9	0.39
(4,292)	2:338:A:ILE:HG23	2:280:A:VAL:HG22	4	0.39
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	8	0.39
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	18	0.39
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	4	0.39
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	5	0.39
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD21	13	0.39
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	3	0.39
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	14	0.39
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	19	0.39
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	5	0.39
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	5	0.39
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	13	0.39
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	19	0.39
(3,537)	1:3:B:PRO:HA	2:337:A:ARG:HB2	13	0.39
(3,532)	2:246:A:VAL:HG13	2:247:A:GLY:HA2	3	0.39
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	12	0.39
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	1	0.39
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	16	0.39
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	18	0.39
(3,507)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	2	0.39
(3,471)	2:238:A:ARG:HG3	2:238:A:ARG:H	2	0.39
(3,454)	2:237:A:GLU:HG2	2:237:A:GLU:H	9	0.39
(3,451)	2:317:A:ARG:HG3	2:318:A:ILE:H	3	0.39
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	4	0.39
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	14	0.39
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	11	0.39
(3,427)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	9	0.39
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	15	0.39
(3,419)	2:309:A:VAL:HB	2:306:A:SER:HB3	15	0.39
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	20	0.39
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD13	20	0.39
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	9	0.39
(3,368)	2:296:A:SER:HA	2:295:A:VAL:HG12	2	0.39
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	11	0.39
(3,362)	2:347:A:LEU:HB3	2:347:A:LEU:HA	20	0.39
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	4	0.39
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	19	0.39
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	13	0.39
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	1	0.39
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	6	0.39
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	9	0.39
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	16	0.39
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	5	0.39
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	7	0.39
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	9	0.39
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	12	0.39
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	17	0.39
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	20	0.39
(3,178)	2:276:A:MET:HB3	2:273:A:ARG:H	17	0.39
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	7	0.39
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	9	0.39
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD11	17	0.39
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG3	7	0.39
(3,110)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	19	0.39
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	15	0.39
(3,101)	2:247:A:GLY:HA3	2:248:A:SER:H	15	0.39
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	7	0.39
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	7	0.39
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	4	0.39
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	13	0.39
(3,60)	2:347:A:LEU:HB3	2:347:A:LEU:HA	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,60)	2:347:A:LEU:HB3	2:347:A:LEU:HA	16	0.39
(3,60)	2:347:A:LEU:HB3	2:347:A:LEU:HA	17	0.39
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	9	0.39
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	20	0.39
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	11	0.39
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	19	0.39
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.39
(3,8)	2:341:A:LYS:HD3	2:341:A:LYS:HA	18	0.39
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	2	0.39
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	8	0.38
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	5	0.38
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	19	0.38
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	7	0.38
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	11	0.38
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	12	0.38
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	15	0.38
(4,4382)	2:318:A:ILE:H	2:318:A:ILE:HG23	16	0.38
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	7	0.38
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	5	0.38
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	17	0.38
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG22	4	0.38
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	9	0.38
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	5	0.38
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB1	17	0.38
(4,4231)	2:280:A:VAL:HG11	2:281:A:LEU:H	18	0.38
(4,4194)	2:282:A:ILE:HG13	2:283:A:GLU:H	1	0.38
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE3	5	0.38
(4,4173)	2:284:A:MET:HE1	2:321:A:MET:HG2	13	0.38
(4,4173)	2:284:A:MET:HE1	2:321:A:MET:HG2	15	0.38
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	3	0.38
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	13	0.38
(4,4131)	2:322:A:GLN:HG3	2:287:A:ASP:HA	16	0.38
(4,4107)	2:273:A:ARG:HA	2:273:A:ARG:HD3	6	0.38
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	16	0.38
(4,4070)	2:262:A:VAL:H	2:262:A:VAL:HG21	19	0.38
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG21	9	0.38
(4,4056)	2:318:A:ILE:HB	2:321:A:MET:HG3	7	0.38
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD12	4	0.38
(4,4028)	2:277:A:SER:HB2	2:339:A:ILE:HD11	4	0.38
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	15	0.38
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	20	0.38
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3959)	2:310:A:ALA:H	2:309:A:VAL:HG22	18	0.38
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	6	0.38
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG12	16	0.38
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	17	0.38
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	13	0.38
(4,3718)	2:277:A:SER:H	2:276:A:MET:HG3	9	0.38
(4,3718)	2:277:A:SER:H	2:276:A:MET:HG3	16	0.38
(4,3606)	2:327:A:ALA:HB1	2:327:A:ALA:HA	1	0.38
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	3	0.38
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	8	0.38
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	18	0.38
(4,3602)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	15	0.38
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	10	0.38
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	15	0.38
(4,3333)	1:1:B:ALA:HB1	2:336:A:ARG:HD2	14	0.38
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	6	0.38
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG21	4	0.38
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE1	14	0.38
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	12	0.38
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	14	0.38
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	13	0.38
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	10	0.38
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	9	0.38
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	12	0.38
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	2	0.38
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	12	0.38
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB3	9	0.38
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB2	17	0.38
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB2	20	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	1	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	2	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	4	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	6	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	7	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	9	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	10	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	12	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	16	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	17	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	18	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	19	0.38
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	7	0.38
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	19	0.38
(4,3013)	2:302:A:LYS:HA	2:302:A:LYS:HG2	12	0.38
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	1	0.38
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	9	0.38
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	7	0.38
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	8	0.38
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	9	0.38
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	13	0.38
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	18	0.38
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	17	0.38
(4,2870)	2:251:A:THR:HA	2:332:A:LEU:HD23	9	0.38
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	2	0.38
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD11	14	0.38
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	11	0.38
(4,2811)	2:328:A:THR:HB	2:324:A:LEU:HB3	5	0.38
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	7	0.38
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	9	0.38
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	1	0.38
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	8	0.38
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	11	0.38
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	3	0.38
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	6	0.38
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	7	0.38
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	13	0.38
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB3	20	0.38
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	5	0.38
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD12	6	0.38
(4,2624)	2:283:A:GLU:H	2:282:A:ILE:HD13	6	0.38
(4,2612)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	14	0.38
(4,2564)	2:280:A:VAL:HG11	2:294:A:SER:H	8	0.38
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	8	0.38
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	20	0.38
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	14	0.38
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	1	0.38
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	8	0.38
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	15	0.38
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	20	0.38
(4,2023)	2:276:A:MET:HE3	2:272:A:ALA:HA	8	0.38
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD13	4	0.38
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	10	0.38
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	11	0.38
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	14	0.38
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	16	0.38
(4,1827)	2:329:A:PHE:HD1	2:329:A:PHE:H	2	0.38
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	8	0.38
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD11	20	0.38
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	18	0.38
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE3	3	0.38
(4,1589)	2:229:A:ALA:HB1	2:230:A:GLU:H	9	0.38
(4,1566)	2:243:A:ALA:HB2	2:243:A:ALA:H	10	0.38
(4,1565)	2:318:A:ILE:H	2:318:A:ILE:HD13	8	0.38
(4,1487)	2:295:A:VAL:HG21	2:306:A:SER:H	1	0.38
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	4	0.38
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	17	0.38
(4,1422)	2:334:A:ARG:HB2	2:334:A:ARG:H	15	0.38
(4,1413)	2:324:A:LEU:HD11	2:324:A:LEU:H	17	0.38
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	20	0.38
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	3	0.38
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	9	0.38
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	18	0.38
(4,1154)	2:338:A:ILE:HD11	2:308:A:ALA:HB2	9	0.38
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB1	11	0.38
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	5	0.38
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	12	0.38
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	6	0.38
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	8	0.38
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	9	0.38
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	19	0.38
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	13	0.38
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	1	0.38
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	15	0.38
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	8	0.38
(4,1059)	2:282:A:ILE:HG21	2:336:A:ARG:H	16	0.38
(4,1008)	2:324:A:LEU:H	2:324:A:LEU:HB2	11	0.38
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	11	0.38
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	6	0.38
(4,966)	2:268:A:ARG:HB2	2:269:A:PRO:HD3	17	0.38
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	20	0.38
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	1	0.38
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	5	0.38
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG21	9	0.38
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	5	0.38
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	7	0.38
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	11	0.38
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	15	0.38
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	19	0.38
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	17	0.38
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	10	0.38
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	17	0.38
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	18	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	1	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	2	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	3	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	4	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	5	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	6	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	7	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	9	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	10	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	13	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	16	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	17	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	19	0.38
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	20	0.38
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB3	12	0.38
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	7	0.38
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	16	0.38
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	19	0.38
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	13	0.38
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	1	0.38
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD11	5	0.38
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD12	8	0.38
(4,466)	2:282:A:ILE:H	2:281:A:LEU:HB2	1	0.38
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	9	0.38
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE2	14	0.38
(4,318)	2:289:A:THR:HG23	2:317:A:ARG:HD2	2	0.38
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	7	0.38
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	15	0.38
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	18	0.38
(4,231)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	14	0.38
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	3	0.38
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	13	0.38
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	19	0.38
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	1	0.38
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	3	0.38
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG21	5	0.38
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG21	15	0.38
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG21	14	0.38
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG22	15	0.38
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	17	0.38
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	2	0.38
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	10	0.38
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	11	0.38
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	13	0.38
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	17	0.38
(3,483)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.38
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	11	0.38
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	6	0.38
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	7	0.38
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	3	0.38
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	10	0.38
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	19	0.38
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	1	0.38
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	2	0.38
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	13	0.38
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	10	0.38
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	11	0.38
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	2	0.38
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	19	0.38
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	3	0.38
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	1	0.38
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	20	0.38
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG23	6	0.38
(3,354)	2:284:A:MET:HE2	2:336:A:ARG:HB2	8	0.38
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB2	7	0.38
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	13	0.38
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB2	18	0.38
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	14	0.38
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	17	0.38
(3,303)	2:261:A:LEU:HD13	2:258:A:ILE:H	4	0.38
(3,299)	2:292:A:ASN:H	2:293:A:ALA:HA	15	0.38
(3,294)	2:239:A:GLN:HG2	2:240:A:GLN:H	8	0.38
(3,272)	2:231:A:LEU:HD11	2:231:A:LEU:H	11	0.38
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HB2	2	0.38
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	19	0.38
(3,242)	2:238:A:ARG:HG3	2:238:A:ARG:H	2	0.38
(3,213)	2:237:A:GLU:HG2	2:237:A:GLU:H	9	0.38
(3,207)	2:317:A:ARG:HG3	2:318:A:ILE:H	3	0.38
(3,207)	2:317:A:ARG:HG3	2:318:A:ILE:H	15	0.38
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	6	0.38
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	18	0.38
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD11	6	0.38
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	8	0.38
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	13	0.38
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	20	0.38
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD11	3	0.38
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD13	7	0.38
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	2	0.38
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	6	0.38
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	9	0.38
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	16	0.38
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	4	0.38
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD21	6	0.38
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	11	0.38
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	12	0.38
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	12	0.38
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	1	0.38
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	16	0.38
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	18	0.38
(3,22)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	6	0.38
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	1	0.38
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	7	0.38
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	16	0.38
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	20	0.38
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	13	0.37
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	2	0.37
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	10	0.37
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	3	0.37
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	6	0.37
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	13	0.37
(4,4344)	2:321:A:MET:HE2	2:288:A:GLY:HA3	2	0.37
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	18	0.37
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	19	0.37
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	2	0.37
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	10	0.37
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	3	0.37
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	14	0.37
(4,4228)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	5	0.37
(4,4215)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	9	0.37
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	13	0.37
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE3	10	0.37
(4,4161)	2:258:A:ILE:HD12	2:259:A:VAL:H	5	0.37
(4,4138)	2:285:A:LEU:HD22	2:285:A:LEU:HA	16	0.37
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	18	0.37
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	7	0.37
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	13	0.37
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	8	0.37
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	1	0.37
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	5	0.37
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	10	0.37
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	18	0.37
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB1	12	0.37
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.37
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	7	0.37
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	11	0.37
(4,3852)	2:321:A:MET:HE2	2:321:A:MET:H	8	0.37
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	2	0.37
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	4	0.37
(4,3606)	2:327:A:ALA:HB1	2:327:A:ALA:HA	6	0.37
(4,3606)	2:327:A:ALA:HB1	2:327:A:ALA:HA	7	0.37
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	9	0.37
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	13	0.37
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	14	0.37
(4,3606)	2:327:A:ALA:HB1	2:327:A:ALA:HA	16	0.37
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	12	0.37
(4,3559)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	3	0.37
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	4	0.37
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	12	0.37
(4,3333)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	10	0.37
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	18	0.37
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	2	0.37
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	11	0.37
(4,3263)	2:276:A:MET:HE3	2:272:A:ALA:HA	11	0.37
(4,3263)	2:276:A:MET:HE1	2:272:A:ALA:HA	13	0.37
(4,3263)	2:276:A:MET:HE2	2:272:A:ALA:HA	14	0.37
(4,3219)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	14	0.37
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	11	0.37
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	18	0.37
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	20	0.37
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB3	4	0.37
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	5	0.37
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB3	15	0.37
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB1	15	0.37
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB1	18	0.37
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	3	0.37
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	5	0.37
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	3	0.37
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	5	0.37
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	8	0.37
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	13	0.37
(4,3090)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	14	0.37
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	1	0.37
(4,3048)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	15	0.37
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG23	3	0.37
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	1	0.37
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	4	0.37
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	17	0.37
(4,2898)	2:282:A:ILE:HB	2:338:A:ILE:HD13	1	0.37
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG21	8	0.37
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	7	0.37
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	3	0.37
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	7	0.37
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	12	0.37
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	16	0.37
(4,2811)	2:328:A:THR:HB	2:324:A:LEU:HB3	16	0.37
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	2	0.37
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	6	0.37
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	20	0.37
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	3	0.37
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	6	0.37
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	7	0.37
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	2	0.37
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	5	0.37
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	14	0.37
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	4	0.37
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	13	0.37
(4,2526)	2:236:A:THR:H	2:236:A:THR:HG23	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	2	0.37
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	5	0.37
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	6	0.37
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	14	0.37
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD13	4	0.37
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG23	3	0.37
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	11	0.37
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	6	0.37
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	9	0.37
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	12	0.37
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	14	0.37
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	10	0.37
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	11	0.37
(4,2194)	2:334:A:ARG:HB2	2:334:A:ARG:H	9	0.37
(4,2194)	2:334:A:ARG:HB2	2:334:A:ARG:H	12	0.37
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	3	0.37
(4,2023)	2:276:A:MET:HE2	2:272:A:ALA:HA	2	0.37
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	13	0.37
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	17	0.37
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	1	0.37
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	8	0.37
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	3	0.37
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	6	0.37
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	7	0.37
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	10	0.37
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	13	0.37
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB3	20	0.37
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	5	0.37
(4,1752)	2:283:A:GLU:H	2:282:A:ILE:HD13	6	0.37
(4,1702)	2:280:A:VAL:HG11	2:294:A:SER:H	8	0.37
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	8	0.37
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	14	0.37
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	1	0.37
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	20	0.37
(4,1422)	2:334:A:ARG:HB2	2:334:A:ARG:H	12	0.37
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	16	0.37
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	16	0.37
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE2	7	0.37
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE2	13	0.37
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	12	0.37
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	17	0.37
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	15	0.37
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	17	0.37
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	14	0.37
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	2	0.37
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	10	0.37
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	13	0.37
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	16	0.37
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	6	0.37
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	20	0.37
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	12	0.37
(4,1079)	2:258:A:ILE:HD12	2:259:A:VAL:H	8	0.37
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	5	0.37
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	14	0.37
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	15	0.37
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	10	0.37
(4,1032)	2:276:A:MET:HE3	2:272:A:ALA:HA	11	0.37
(4,1032)	2:276:A:MET:HE1	2:272:A:ALA:HA	13	0.37
(4,1032)	2:276:A:MET:HE2	2:272:A:ALA:HA	14	0.37
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD11	3	0.37
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	10	0.37
(4,933)	2:278:A:VAL:HG12	2:308:A:ALA:HB3	7	0.37
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	11	0.37
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG21	19	0.37
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	1	0.37
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	2	0.37
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	16	0.37
(4,885)	2:276:A:MET:HE3	2:301:A:ASP:H	7	0.37
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	2	0.37
(4,798)	2:291:A:THR:HG23	2:289:A:THR:HB	14	0.37
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	2	0.37
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	11	0.37
(4,673)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	15	0.37
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	8	0.37
(4,659)	2:325:A:PRO:HD3	2:325:A:PRO:HB3	14	0.37
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	20	0.37
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	19	0.37
(4,605)	2:281:A:LEU:HD11	2:335:A:GLN:HA	15	0.37
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	17	0.37
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD12	5	0.37
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD12	6	0.37
(4,437)	2:258:A:ILE:HD12	2:333:A:TYR:HA	7	0.37
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	8	0.37
(4,366)	2:285:A:LEU:HD23	2:285:A:LEU:HB2	2	0.37
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	5	0.37
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	20	0.37
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	3	0.37
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	11	0.37
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	16	0.37
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	5	0.37
(4,196)	2:302:A:LYS:HA	2:302:A:LYS:HG2	12	0.37
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	13	0.37
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	12	0.37
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	15	0.37
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	20	0.37
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	18	0.37
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	11	0.37
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	10	0.37
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	17	0.37
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	19	0.37
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	10	0.37
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	20	0.37
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	1	0.37
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	16	0.37
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	6	0.37
(3,511)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	5	0.37
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	17	0.37
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	18	0.37
(3,472)	2:239:A:GLN:H	2:238:A:ARG:HB3	17	0.37
(3,471)	2:238:A:ARG:HG2	2:238:A:ARG:H	3	0.37
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	15	0.37
(3,454)	2:237:A:GLU:HG2	2:237:A:GLU:H	3	0.37
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	6	0.37
(3,427)	2:315:A:VAL:HG11	2:265:A:GLN:HB3	11	0.37
(3,423)	2:321:A:MET:HE3	2:333:A:TYR:HA	8	0.37
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG12	6	0.37
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	15	0.37
(3,391)	2:338:A:ILE:HG23	2:339:A:ILE:H	15	0.37
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	14	0.37
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	4	0.37
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	12	0.37
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	5	0.37
(3,362)	2:347:A:LEU:HB3	2:347:A:LEU:HA	15	0.37
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	12	0.37
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	10	0.37
(3,303)	2:261:A:LEU:HD11	2:258:A:ILE:H	19	0.37
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	14	0.37
(3,298)	2:243:A:ALA:HA	2:243:A:ALA:H	12	0.37
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	15	0.37
(3,269)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.37
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	11	0.37
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	6	0.37
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	7	0.37
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	5	0.37
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	14	0.37
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	3	0.37
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	4	0.37
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	14	0.37
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	11	0.37
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	5	0.37
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG3	5	0.37
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG3	15	0.37
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	16	0.37
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	13	0.37
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	4	0.37
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	11	0.37
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	19	0.37
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	19	0.37
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	13	0.37
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	19	0.37
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	11	0.37
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	13	0.37
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	19	0.37
(3,44)	2:246:A:VAL:HG13	2:247:A:GLY:HA2	3	0.37
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG21	13	0.37
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	17	0.37
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG23	17	0.37
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	3	0.36
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	10	0.36
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	17	0.36
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE2	5	0.36
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE1	6	0.36
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	6	0.36
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	7	0.36
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	15	0.36
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	2	0.36
(4,4231)	2:280:A:VAL:HG11	2:281:A:LEU:H	19	0.36
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	19	0.36
(4,4171)	2:284:A:MET:HE2	2:288:A:GLY:H	16	0.36
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	9	0.36
(4,4137)	2:347:A:LEU:HD11	2:347:A:LEU:HA	14	0.36
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	4	0.36
(4,4133)	2:282:A:ILE:HG21	2:336:A:ARG:H	15	0.36
(4,4133)	2:282:A:ILE:HG21	2:336:A:ARG:H	18	0.36
(4,4131)	2:322:A:GLN:HG3	2:287:A:ASP:HA	5	0.36
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	10	0.36
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG23	12	0.36
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG22	3	0.36
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	4	0.36
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	16	0.36
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	2	0.36
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	5	0.36
(4,4027)	2:339:A:ILE:HG22	2:277:A:SER:HB3	8	0.36
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	10	0.36
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	11	0.36
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	13	0.36
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	12	0.36
(4,3958)	2:310:A:ALA:H	2:309:A:VAL:HG13	14	0.36
(4,3906)	2:281:A:LEU:HD13	2:296:A:SER:HB3	1	0.36
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD13	2	0.36
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	15	0.36
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	18	0.36
(4,3863)	2:320:A:GLU:HG2	2:320:A:GLU:HA	12	0.36
(4,3863)	2:320:A:GLU:HG2	2:320:A:GLU:HA	14	0.36
(4,3812)	2:291:A:THR:HG21	2:289:A:THR:HB	8	0.36
(4,3812)	2:291:A:THR:HG22	2:289:A:THR:HB	12	0.36
(4,3768)	1:6:B:ILE:HA	2:259:A:VAL:HG13	18	0.36
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	6	0.36
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	16	0.36
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	17	0.36
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE1	17	0.36
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	5	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	1	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	2	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	8	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	13	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	14	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	17	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	18	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	19	0.36
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	20	0.36
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	5	0.36
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	15	0.36
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	19	0.36
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	1	0.36
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	11	0.36
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	12	0.36
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	17	0.36
(4,3482)	2:250:A:VAL:HG21	2:251:A:THR:H	18	0.36
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD11	3	0.36
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD11	14	0.36
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	2	0.36
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	11	0.36
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	4	0.36
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	18	0.36
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	14	0.36
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	5	0.36
(4,3263)	2:276:A:MET:HE1	2:272:A:ALA:HA	7	0.36
(4,3263)	2:276:A:MET:HE3	2:272:A:ALA:HA	12	0.36
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	18	0.36
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	17	0.36
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	13	0.36
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	14	0.36
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	1	0.36
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	9	0.36
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	14	0.36
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB1	20	0.36
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB2	2	0.36
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB1	4	0.36
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	9	0.36
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	12	0.36
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	16	0.36
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	17	0.36
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG12	10	0.36
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	17	0.36
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG21	9	0.36
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	16	0.36
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	17	0.36
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	5	0.36
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD22	6	0.36
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	2	0.36
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB1	15	0.36
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	9	0.36
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	15	0.36
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	4	0.36
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	5	0.36
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	20	0.36
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	5	0.36
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	1	0.36
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	18	0.36
(4,2564)	2:280:A:VAL:HG11	2:294:A:SER:H	20	0.36
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE1	14	0.36
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	9	0.36
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	10	0.36
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	13	0.36
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	12	0.36
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	13	0.36
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	2	0.36
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	3	0.36
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	6	0.36
(4,2272)	2:295:A:VAL:HG22	2:306:A:SER:H	15	0.36
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	7	0.36
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	19	0.36
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	7	0.36
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	17	0.36
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	7	0.36
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	3	0.36
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	6	0.36
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	7	0.36
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	2	0.36
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	5	0.36
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD12	6	0.36
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	14	0.36
(4,1745)	2:274:A:ASN:HD21	2:345:A:LEU:HB3	14	0.36
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	3	0.36
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	4	0.36
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	13	0.36
(4,1702)	2:280:A:VAL:HG11	2:294:A:SER:H	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1676)	2:236:A:THR:H	2:236:A:THR:HG23	20	0.36
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	2	0.36
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	5	0.36
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	6	0.36
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	11	0.36
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	6	0.36
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	9	0.36
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	12	0.36
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	14	0.36
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	11	0.36
(4,1422)	2:334:A:ARG:HB2	2:334:A:ARG:H	9	0.36
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	7	0.36
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	19	0.36
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	9	0.36
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	14	0.36
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	8	0.36
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB3	16	0.36
(4,1152)	2:339:A:ILE:HD12	2:277:A:SER:HB3	18	0.36
(4,1140)	2:280:A:VAL:HG11	2:281:A:LEU:H	18	0.36
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	3	0.36
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	18	0.36
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	7	0.36
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	14	0.36
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	17	0.36
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	2	0.36
(4,1118)	2:315:A:VAL:HG11	2:314:A:ASN:H	11	0.36
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	14	0.36
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	1	0.36
(4,1092)	2:284:A:MET:HE2	2:318:A:ILE:HG12	12	0.36
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	17	0.36
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	8	0.36
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	7	0.36
(4,1032)	2:276:A:MET:HE1	2:272:A:ALA:HA	7	0.36
(4,1032)	2:276:A:MET:HE3	2:272:A:ALA:HA	12	0.36
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	12	0.36
(4,933)	2:278:A:VAL:HG11	2:308:A:ALA:HB3	3	0.36
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	2	0.36
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	8	0.36
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	17	0.36
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	4	0.36
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	9	0.36
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	12	0.36
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	13	0.36
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	15	0.36
(4,830)	2:321:A:MET:HE3	2:321:A:MET:H	20	0.36
(4,642)	2:327:A:ALA:HB1	2:327:A:ALA:HA	1	0.36
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	3	0.36
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	8	0.36
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	18	0.36
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	1	0.36
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD23	8	0.36
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	13	0.36
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	2	0.36
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	9	0.36
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	9	0.36
(4,553)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	15	0.36
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	5	0.36
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD12	3	0.36
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	1	0.36
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE1	14	0.36
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	12	0.36
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	14	0.36
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	13	0.36
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	2	0.36
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	20	0.36
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB3	9	0.36
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB3	15	0.36
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB2	17	0.36
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB2	20	0.36
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	7	0.36
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	19	0.36
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	15	0.36
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	1	0.36
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	9	0.36
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	7	0.36
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	8	0.36
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	9	0.36
(4,100)	2:282:A:ILE:HB	2:338:A:ILE:HD13	1	0.36
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	13	0.36
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	17	0.36
(4,73)	2:251:A:THR:HA	2:332:A:LEU:HD23	9	0.36
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	2	0.36
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD11	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	7	0.36
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	12	0.36
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	16	0.36
(4,19)	2:328:A:THR:HB	2:324:A:LEU:HB3	5	0.36
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	7	0.36
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	9	0.36
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	9	0.36
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	3	0.36
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	20	0.36
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	9	0.36
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	16	0.36
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	4	0.36
(3,549)	2:346:A:SER:H	2:346:A:SER:HB3	5	0.36
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	17	0.36
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	8	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	2	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	6	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	9	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	10	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	12	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	13	0.36
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	19	0.36
(3,456)	2:249:A:GLU:H	2:248:A:SER:HB2	5	0.36
(3,454)	2:237:A:GLU:HG3	2:237:A:GLU:H	15	0.36
(3,451)	2:317:A:ARG:HG3	2:318:A:ILE:H	5	0.36
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	2	0.36
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	11	0.36
(3,440)	2:315:A:VAL:H	2:313:A:ARG:HB2	16	0.36
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	19	0.36
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	6	0.36
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	16	0.36
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD21	17	0.36
(3,378)	2:260:A:ASN:HB3	2:261:A:LEU:HD22	15	0.36
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	10	0.36
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	10	0.36
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	11	0.36
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB3	17	0.36
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	3	0.36
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	14	0.36
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	10	0.36
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	15	0.36
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,243)	2:239:A:GLN:H	2:238:A:ARG:HB3	17	0.36
(3,242)	2:238:A:ARG:HG2	2:238:A:ARG:H	3	0.36
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	15	0.36
(3,213)	2:237:A:GLU:HG2	2:237:A:GLU:H	3	0.36
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	8	0.36
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	16	0.36
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	8	0.36
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG11	19	0.36
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	10	0.36
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	19	0.36
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	13	0.36
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	17	0.36
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	5	0.36
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	17	0.36
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	6	0.36
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	12	0.36
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG3	3	0.36
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	3	0.36
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	2	0.36
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD12	6	0.36
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	7	0.36
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	18	0.36
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	12	0.36
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	16	0.36
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	12	0.36
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD23	13	0.36
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	5	0.36
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD2	14	0.36
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	18	0.36
(3,24)	2:302:A:LYS:HB3	2:302:A:LYS:HE3	5	0.36
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	12	0.36
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	14	0.36
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	15	0.36
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	19	0.36
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	1	0.35
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	10	0.35
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	3	0.35
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	9	0.35
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	14	0.35
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	16	0.35
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	7	0.35
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	6	0.35
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG22	6	0.35
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	11	0.35
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	10	0.35
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	16	0.35
(4,4282)	2:343:A:GLU:HG2	1:7:B:SER:HB2	19	0.35
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	11	0.35
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	3	0.35
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	3	0.35
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	20	0.35
(4,4193)	2:336:A:ARG:HG3	2:337:A:ARG:H	10	0.35
(4,4179)	2:284:A:MET:HE3	2:321:A:MET:H	2	0.35
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE2	16	0.35
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	4	0.35
(4,4161)	2:258:A:ILE:HD12	2:259:A:VAL:H	10	0.35
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	16	0.35
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	19	0.35
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	20	0.35
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD11	14	0.35
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	7	0.35
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	3	0.35
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	8	0.35
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	11	0.35
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	6	0.35
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	7	0.35
(4,4027)	2:339:A:ILE:HG22	2:277:A:SER:HB3	13	0.35
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	16	0.35
(4,4027)	2:339:A:ILE:HG21	2:277:A:SER:HB3	19	0.35
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	10	0.35
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	17	0.35
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	12	0.35
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	10	0.35
(4,3906)	2:281:A:LEU:HD13	2:296:A:SER:HB3	12	0.35
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	17	0.35
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	19	0.35
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	2	0.35
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	1	0.35
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	4	0.35
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	3	0.35
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	8	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	3	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	5	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	6	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	7	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	9	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	12	0.35
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	15	0.35
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	10	0.35
(4,3606)	2:327:A:ALA:HB1	2:327:A:ALA:HA	11	0.35
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	12	0.35
(4,3606)	2:327:A:ALA:HB2	2:327:A:ALA:HA	17	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	3	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	4	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	5	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	7	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	9	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	16	0.35
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	18	0.35
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD21	3	0.35
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	3	0.35
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	12	0.35
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	17	0.35
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	9	0.35
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	19	0.35
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	2	0.35
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	3	0.35
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	15	0.35
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	20	0.35
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	13	0.35
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	7	0.35
(4,3263)	2:276:A:MET:HE3	2:272:A:ALA:HA	20	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	1	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	5	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB1	7	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB1	8	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	12	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	13	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	14	0.35
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	17	0.35
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	9	0.35
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB1	7	0.35
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	20	0.35
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	18	0.35
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	4	0.35
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	7	0.35
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	16	0.35
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	1	0.35
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	19	0.35
(4,3169)	2:321:A:MET:HE3	2:321:A:MET:HA	9	0.35
(4,3156)	2:289:A:THR:HG23	2:317:A:ARG:HD2	8	0.35
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	5	0.35
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	16	0.35
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	18	0.35
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	6	0.35
(4,2981)	2:284:A:MET:HB3	2:334:A:ARG:HA	18	0.35
(4,2948)	2:284:A:MET:HB2	2:290:A:ILE:HA	5	0.35
(4,2928)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	4	0.35
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	2	0.35
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	4	0.35
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	7	0.35
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	9	0.35
(4,2811)	2:328:A:THR:HB	2:324:A:LEU:HB3	11	0.35
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	10	0.35
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	12	0.35
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	15	0.35
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	17	0.35
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	20	0.35
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	6	0.35
(4,2762)	2:250:A:VAL:HG23	2:250:A:VAL:H	11	0.35
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	12	0.35
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	5	0.35
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	8	0.35
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	13	0.35
(4,2564)	2:280:A:VAL:HG11	2:294:A:SER:H	3	0.35
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	9	0.35
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	17	0.35
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD13	6	0.35
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD13	7	0.35
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	3	0.35
(4,2324)	2:295:A:VAL:HG22	2:297:A:ARG:H	3	0.35
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	10	0.35
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	11	0.35
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	16	0.35
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2194)	2:334:A:ARG:HB2	2:334:A:ARG:H	19	0.35
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	1	0.35
(4,2023)	2:276:A:MET:HE2	2:272:A:ALA:HA	1	0.35
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	8	0.35
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	12	0.35
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE3	1	0.35
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	2	0.35
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	15	0.35
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB1	15	0.35
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	9	0.35
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	15	0.35
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	4	0.35
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	5	0.35
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	20	0.35
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	5	0.35
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	1	0.35
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	18	0.35
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	8	0.35
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	18	0.35
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE1	14	0.35
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	2	0.35
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	3	0.35
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	6	0.35
(4,1487)	2:295:A:VAL:HG22	2:306:A:SER:H	15	0.35
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	7	0.35
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	10	0.35
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	19	0.35
(4,1422)	2:334:A:ARG:HB2	2:334:A:ARG:H	19	0.35
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	1	0.35
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	13	0.35
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	2	0.35
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	8	0.35
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	10	0.35
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	7	0.35
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	11	0.35
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	15	0.35
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	5	0.35
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	3	0.35
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	7	0.35
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	9	0.35
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	2	0.35
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	15	0.35
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	16	0.35
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB1	17	0.35
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB3	19	0.35
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	1	0.35
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	3	0.35
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	11	0.35
(4,1118)	2:315:A:VAL:HG11	2:314:A:ASN:H	9	0.35
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	10	0.35
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	16	0.35
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	19	0.35
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE3	5	0.35
(4,1090)	2:284:A:MET:HE1	2:321:A:MET:HG2	1	0.35
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG23	8	0.35
(4,1057)	2:322:A:GLN:HG3	2:287:A:ASP:HA	16	0.35
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	5	0.35
(4,1032)	2:276:A:MET:HE3	2:272:A:ALA:HA	20	0.35
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB2	6	0.35
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	11	0.35
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	15	0.35
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	20	0.35
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB1	3	0.35
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	11	0.35
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	17	0.35
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG23	8	0.35
(4,920)	2:310:A:ALA:H	2:309:A:VAL:HG22	18	0.35
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	6	0.35
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG12	16	0.35
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	1	0.35
(4,864)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	16	0.35
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	17	0.35
(4,830)	2:321:A:MET:HE3	2:321:A:MET:H	13	0.35
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	7	0.35
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	2	0.35
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	4	0.35
(4,642)	2:327:A:ALA:HB1	2:327:A:ALA:HA	6	0.35
(4,642)	2:327:A:ALA:HB1	2:327:A:ALA:HA	7	0.35
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	9	0.35
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	13	0.35
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	14	0.35
(4,642)	2:327:A:ALA:HB1	2:327:A:ALA:HA	16	0.35
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	15	0.35
(4,470)	2:338:A:ILE:H	2:282:A:ILE:HD13	4	0.35
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG13	18	0.35
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD22	18	0.35
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE2	8	0.35
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	10	0.35
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	18	0.35
(4,366)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	6	0.35
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	14	0.35
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	12	0.35
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	14	0.35
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	18	0.35
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB3	4	0.35
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	5	0.35
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB1	20	0.35
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB1	4	0.35
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB1	15	0.35
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB1	18	0.35
(4,226)	2:320:A:GLU:HG2	2:257:A:LEU:HD13	1	0.35
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD22	9	0.35
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG23	3	0.35
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	1	0.35
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	4	0.35
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	17	0.35
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG21	8	0.35
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	7	0.35
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG23	4	0.35
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG21	13	0.35
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	3	0.35
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD22	6	0.35
(4,19)	2:328:A:THR:HB	2:324:A:LEU:HB3	16	0.35
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	2	0.35
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	6	0.35
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	20	0.35
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	14	0.35
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	17	0.35
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	20	0.35
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	5	0.35
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	4	0.35
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	8	0.35
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	11	0.35
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	10	0.35
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	12	0.35
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	13	0.35
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	19	0.35
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	2	0.35
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	4	0.35
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	12	0.35
(3,509)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	7	0.35
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	6	0.35
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	11	0.35
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	19	0.35
(3,456)	2:249:A:GLU:H	2:248:A:SER:HB2	9	0.35
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD12	9	0.35
(3,431)	2:267:A:ARG:HG2	2:267:A:ARG:H	3	0.35
(3,427)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	10	0.35
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	4	0.35
(3,420)	2:282:A:ILE:HA	2:280:A:VAL:HG13	14	0.35
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	17	0.35
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	7	0.35
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	8	0.35
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	18	0.35
(3,363)	2:325:A:PRO:HG3	2:324:A:LEU:HA	16	0.35
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	2	0.35
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	13	0.35
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	13	0.35
(3,320)	2:276:A:MET:HB3	2:273:A:ARG:H	17	0.35
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	6	0.35
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HB2	9	0.35
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	8	0.35
(3,215)	2:249:A:GLU:H	2:248:A:SER:HB2	5	0.35
(3,213)	2:237:A:GLU:HG3	2:237:A:GLU:H	15	0.35
(3,207)	2:317:A:ARG:HG3	2:318:A:ILE:H	5	0.35
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	7	0.35
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG13	14	0.35
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	2	0.35
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	6	0.35
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	16	0.35
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	19	0.35
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	19	0.35
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG3	20	0.35
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	5	0.35
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,94)	2:289:A:THR:HG22	2:290:A:ILE:HB	16	0.35
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	8	0.35
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	10	0.35
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	12	0.35
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	2	0.35
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	4	0.35
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	8	0.35
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	9	0.35
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD23	4	0.35
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	15	0.35
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	20	0.35
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	8	0.35
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	5	0.35
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	17	0.35
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG22	5	0.35
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG23	9	0.35
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	1	0.34
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	19	0.34
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	20	0.34
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	1	0.34
(4,4349)	2:276:A:MET:HE3	2:273:A:ARG:H	14	0.34
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	15	0.34
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	10	0.34
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	11	0.34
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	8	0.34
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	11	0.34
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	14	0.34
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	5	0.34
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB2	18	0.34
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	15	0.34
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	16	0.34
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	20	0.34
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	10	0.34
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	12	0.34
(4,4161)	2:258:A:ILE:HD12	2:259:A:VAL:H	13	0.34
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	2	0.34
(4,4107)	2:273:A:ARG:HA	2:273:A:ARG:HD3	10	0.34
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	1	0.34
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG22	16	0.34
(4,4056)	2:318:A:ILE:HB	2:321:A:MET:HG3	17	0.34
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	9	0.34
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD21	15	0.34
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	1	0.34
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	16	0.34
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	13	0.34
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	2	0.34
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	12	0.34
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	14	0.34
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	20	0.34
(4,3742)	2:272:A:ALA:HB2	2:276:A:MET:HE2	3	0.34
(4,3717)	2:277:A:SER:H	2:276:A:MET:HG3	10	0.34
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	1	0.34
(4,3701)	2:342:A:PRO:HD2	2:277:A:SER:HA	17	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	1	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	2	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	3	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	4	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	6	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	7	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	8	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	9	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	10	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	12	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	13	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	15	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	17	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	18	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	19	0.34
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	20	0.34
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	16	0.34
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	10	0.34
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	15	0.34
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	19	0.34
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	20	0.34
(4,3578)	2:332:A:LEU:HD12	2:332:A:LEU:H	9	0.34
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	4	0.34
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	6	0.34
(4,3484)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	6	0.34
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG12	3	0.34
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	2	0.34
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	8	0.34
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	18	0.34
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	6	0.34
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	11	0.34
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	19	0.34
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	20	0.34
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	1	0.34
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	9	0.34
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	7	0.34
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	12	0.34
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	3	0.34
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	14	0.34
(4,3263)	2:276:A:MET:HE2	2:272:A:ALA:HA	4	0.34
(4,3263)	2:276:A:MET:HE1	2:272:A:ALA:HA	5	0.34
(4,3241)	2:258:A:ILE:HD11	2:321:A:MET:HE3	12	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	4	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB1	6	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	9	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB1	11	0.34
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	16	0.34
(4,3219)	2:285:A:LEU:HD23	2:285:A:LEU:HB2	5	0.34
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	5	0.34
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	13	0.34
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE2	13	0.34
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	2	0.34
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	3	0.34
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	8	0.34
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	11	0.34
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	12	0.34
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	5	0.34
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	6	0.34
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	8	0.34
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	13	0.34
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB3	18	0.34
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	19	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	3	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB1	7	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	13	0.34
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	19	0.34
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	11	0.34
(4,3013)	2:302:A:LYS:HA	2:302:A:LYS:HG2	10	0.34
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	20	0.34
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	19	0.34
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD22	2	0.34
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	3	0.34
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD23	15	0.34
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	4	0.34
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	5	0.34
(4,2789)	2:317:A:ARG:H	2:316:A:GLY:HA2	9	0.34
(4,2769)	2:228:A:LEU:HB2	2:228:A:LEU:H	1	0.34
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB3	17	0.34
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	10	0.34
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	15	0.34
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	3	0.34
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	5	0.34
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	9	0.34
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	16	0.34
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	15	0.34
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	4	0.34
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	7	0.34
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	12	0.34
(4,2508)	2:245:A:GLU:HB3	2:246:A:VAL:H	18	0.34
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	10	0.34
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	16	0.34
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	17	0.34
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	16	0.34
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	17	0.34
(4,2396)	2:236:A:THR:HG23	2:237:A:GLU:H	17	0.34
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	8	0.34
(4,2390)	2:243:A:ALA:HB1	2:243:A:ALA:H	19	0.34
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	14	0.34
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	20	0.34
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	8	0.34
(4,2324)	2:295:A:VAL:HG22	2:297:A:ARG:H	17	0.34
(4,2324)	2:295:A:VAL:HG22	2:297:A:ARG:H	19	0.34
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	5	0.34
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	9	0.34
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	14	0.34
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	18	0.34
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	6	0.34
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	15	0.34
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	8	0.34
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	4	0.34
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	6	0.34
(4,1988)	2:284:A:MET:HE3	2:288:A:GLY:HA3	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE3	15	0.34
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	10	0.34
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	12	0.34
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	17	0.34
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	20	0.34
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	6	0.34
(4,1875)	2:228:A:LEU:HB2	2:228:A:LEU:H	1	0.34
(4,1871)	2:250:A:VAL:HG23	2:250:A:VAL:H	11	0.34
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	12	0.34
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	5	0.34
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	13	0.34
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	20	0.34
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	12	0.34
(4,1702)	2:280:A:VAL:HG11	2:294:A:SER:H	3	0.34
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	9	0.34
(4,1533)	2:295:A:VAL:HG22	2:297:A:ARG:H	3	0.34
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	10	0.34
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	11	0.34
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	16	0.34
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	16	0.34
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	8	0.34
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	3	0.34
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	7	0.34
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	6	0.34
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	12	0.34
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	13	0.34
(4,1239)	2:318:A:ILE:H	2:318:A:ILE:HG23	16	0.34
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	14	0.34
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	7	0.34
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	5	0.34
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	17	0.34
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	2	0.34
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG22	4	0.34
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	9	0.34
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	10	0.34
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG22	15	0.34
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	18	0.34
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	4	0.34
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	5	0.34
(4,1138)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	5	0.34
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	1	0.34
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	12	0.34
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	13	0.34
(4,1090)	2:284:A:MET:HE1	2:321:A:MET:HG2	13	0.34
(4,1090)	2:284:A:MET:HE1	2:321:A:MET:HG2	15	0.34
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	3	0.34
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	19	0.34
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	7	0.34
(4,1057)	2:322:A:GLN:HG3	2:287:A:ASP:HA	5	0.34
(4,1032)	2:276:A:MET:HE2	2:272:A:ALA:HA	4	0.34
(4,1032)	2:276:A:MET:HE1	2:272:A:ALA:HA	5	0.34
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	16	0.34
(4,999)	2:318:A:ILE:HB	2:321:A:MET:HG3	7	0.34
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD12	4	0.34
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	1	0.34
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	5	0.34
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	10	0.34
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	16	0.34
(4,977)	2:277:A:SER:HB2	2:339:A:ILE:HD11	4	0.34
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG11	20	0.34
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	13	0.34
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	6	0.34
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	17	0.34
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	5	0.34
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	15	0.34
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	19	0.34
(4,638)	2:330:A:ASP:HB3	2:327:A:ALA:HB2	15	0.34
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	12	0.34
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	12	0.34
(4,604)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	3	0.34
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	6	0.34
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG23	10	0.34
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD12	3	0.34
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	8	0.34
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD13	12	0.34
(4,472)	2:337:A:ARG:HD3	2:338:A:ILE:H	13	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	1	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	5	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB1	7	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	12	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	13	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	14	0.34
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	9	0.34
(4,343)	2:281:A:LEU:HD13	2:336:A:ARG:HA	13	0.34
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	1	0.34
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	4	0.34
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	7	0.34
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	19	0.34
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB2	2	0.34
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	5	0.34
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	9	0.34
(4,187)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	12	0.34
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	16	0.34
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	17	0.34
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG12	10	0.34
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	17	0.34
(4,127)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	4	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	4	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	7	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG21	9	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	12	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	16	0.34
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	17	0.34
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	5	0.34
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG22	6	0.34
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	7	0.34
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	16	0.34
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	10	0.34
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	2	0.34
(3,563)	2:341:A:LYS:HD2	2:277:A:SER:HB3	4	0.34
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	6	0.34
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	7	0.34
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	11	0.34
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	19	0.34
(3,549)	2:346:A:SER:H	2:346:A:SER:HB3	2	0.34
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	2	0.34
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	9	0.34
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	11	0.34
(3,543)	2:341:A:LYS:HB3	2:341:A:LYS:HE2	15	0.34
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	7	0.34
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	15	0.34
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	9	0.34
(3,473)	2:238:A:ARG:HG3	2:239:A:GLN:H	5	0.34
(3,471)	2:238:A:ARG:HG2	2:238:A:ARG:H	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	5	0.34
(3,454)	2:237:A:GLU:HG3	2:237:A:GLU:H	5	0.34
(3,451)	2:317:A:ARG:HG3	2:318:A:ILE:H	7	0.34
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD11	18	0.34
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	1	0.34
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	9	0.34
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	16	0.34
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	9	0.34
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	10	0.34
(3,362)	2:347:A:LEU:HB3	2:347:A:LEU:HA	3	0.34
(3,362)	2:347:A:LEU:HB3	2:347:A:LEU:HA	16	0.34
(3,362)	2:347:A:LEU:HB3	2:347:A:LEU:HA	17	0.34
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	7	0.34
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	16	0.34
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	20	0.34
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	1	0.34
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	6	0.34
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB3	11	0.34
(3,316)	2:240:A:GLN:HB2	2:241:A:ALA:H	15	0.34
(3,288)	2:305:A:ASP:H	2:302:A:LYS:HB3	16	0.34
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB1	16	0.34
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	19	0.34
(3,215)	2:249:A:GLU:H	2:248:A:SER:HB2	9	0.34
(3,180)	2:315:A:VAL:H	2:313:A:ARG:HB2	11	0.34
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD12	9	0.34
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	3	0.34
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	4	0.34
(3,162)	2:267:A:ARG:HG2	2:267:A:ARG:H	3	0.34
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	9	0.34
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	2	0.34
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	1	0.34
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	10	0.34
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	20	0.34
(3,110)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	3	0.34
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	16	0.34
(3,94)	2:289:A:THR:HG22	2:290:A:ILE:HB	5	0.34
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	2	0.34
(3,89)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	1	0.34
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	5	0.34
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	2	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	3	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	7	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	10	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	11	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	17	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	18	0.34
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	19	0.34
(3,71)	2:345:A:LEU:HD21	2:276:A:MET:H	1	0.34
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	7	0.34
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	4	0.34
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	12	0.34
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	16	0.34
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	6	0.34
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	9	0.34
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	10	0.34
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	12	0.34
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	13	0.34
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	19	0.34
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG23	18	0.34
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	7	0.33
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	3	0.33
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB3	13	0.33
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	2	0.33
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	1	0.33
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB2	2	0.33
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	5	0.33
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	20	0.33
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	11	0.33
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	15	0.33
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	16	0.33
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG23	20	0.33
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	8	0.33
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	15	0.33
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	20	0.33
(4,4260)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	14	0.33
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	1	0.33
(4,4238)	2:343:A:GLU:HB2	2:343:A:GLU:H	1	0.33
(4,4238)	2:343:A:GLU:HB2	2:343:A:GLU:H	11	0.33
(4,4231)	2:280:A:VAL:HG11	2:281:A:LEU:H	1	0.33
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	4	0.33
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	10	0.33
(4,4140)	2:272:A:ALA:HB2	2:345:A:LEU:HD13	15	0.33
(4,4138)	2:285:A:LEU:HD23	2:285:A:LEU:HA	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	9	0.33
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	10	0.33
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	20	0.33
(4,4131)	2:322:A:GLN:HG3	2:287:A:ASP:HA	7	0.33
(4,4131)	2:322:A:GLN:HG3	2:287:A:ASP:HA	13	0.33
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	20	0.33
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	6	0.33
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	7	0.33
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	8	0.33
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	13	0.33
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	20	0.33
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG22	8	0.33
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG22	13	0.33
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	13	0.33
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	15	0.33
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	20	0.33
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	6	0.33
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	16	0.33
(4,3947)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	14	0.33
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	14	0.33
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	20	0.33
(4,3906)	2:281:A:LEU:HD13	2:296:A:SER:HB3	4	0.33
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	6	0.33
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	11	0.33
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	16	0.33
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	2	0.33
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	19	0.33
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	1	0.33
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	3	0.33
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	14	0.33
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	18	0.33
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	20	0.33
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	9	0.33
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	19	0.33
(4,3741)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	10	0.33
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	8	0.33
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	5	0.33
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	11	0.33
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	14	0.33
(4,3637)	2:325:A:PRO:HB2	2:325:A:PRO:HA	16	0.33
(4,3634)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	11	0.33
(4,3606)	2:327:A:ALA:HB3	2:327:A:ALA:HA	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	6	0.33
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	8	0.33
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	13	0.33
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	14	0.33
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	16	0.33
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	3	0.33
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG22	4	0.33
(4,3483)	2:250:A:VAL:HG22	2:249:A:GLU:HB2	9	0.33
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	9	0.33
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	7	0.33
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	11	0.33
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	13	0.33
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	16	0.33
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD13	5	0.33
(4,3419)	2:346:A:SER:H	2:345:A:LEU:HD12	2	0.33
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	8	0.33
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	10	0.33
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	2	0.33
(4,3338)	2:328:A:THR:HG21	2:324:A:LEU:HB2	6	0.33
(4,3338)	2:328:A:THR:HG21	2:324:A:LEU:HB2	19	0.33
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	5	0.33
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	10	0.33
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	18	0.33
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE3	3	0.33
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	18	0.33
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	2	0.33
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	15	0.33
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	20	0.33
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE2	7	0.33
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	14	0.33
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	7	0.33
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	14	0.33
(4,3185)	2:281:A:LEU:HD11	2:296:A:SER:HB2	19	0.33
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	10	0.33
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	10	0.33
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	4	0.33
(4,3172)	2:321:A:MET:HE2	2:288:A:GLY:HA2	7	0.33
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	6	0.33
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	8	0.33
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB2	11	0.33
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	14	0.33
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	8	0.33
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	7	0.33
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG11	1	0.33
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG12	17	0.33
(4,2979)	2:342:A:PRO:HG3	2:342:A:PRO:HA	6	0.33
(4,2957)	2:284:A:MET:HE2	2:336:A:ARG:HB2	8	0.33
(4,2928)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	17	0.33
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	6	0.33
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	10	0.33
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	11	0.33
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG22	14	0.33
(4,2892)	2:280:A:VAL:HB	2:338:A:ILE:HG23	20	0.33
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	1	0.33
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	2	0.33
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	8	0.33
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	19	0.33
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	19	0.33
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	1	0.33
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB3	11	0.33
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD23	17	0.33
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	6	0.33
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	7	0.33
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	19	0.33
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	2	0.33
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	19	0.33
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	8	0.33
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	12	0.33
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	14	0.33
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	18	0.33
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	20	0.33
(4,2666)	2:311:A:ALA:H	2:265:A:GLN:HB2	5	0.33
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	9	0.33
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	15	0.33
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	2	0.33
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	19	0.33
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	10	0.33
(4,2338)	2:321:A:MET:H	2:321:A:MET:HB3	1	0.33
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	4	0.33
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	7	0.33
(4,2324)	2:295:A:VAL:HG22	2:297:A:ARG:H	20	0.33
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	4	0.33
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	15	0.33
(4,2272)	2:295:A:VAL:HG23	2:306:A:SER:H	17	0.33
(4,2232)	2:250:A:VAL:HG21	2:251:A:THR:H	4	0.33
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	5	0.33
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	14	0.33
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	1	0.33
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	15	0.33
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	4	0.33
(4,1988)	2:284:A:MET:HE3	2:288:A:GLY:HA3	10	0.33
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG22	5	0.33
(4,1926)	2:318:A:ILE:H	2:318:A:ILE:HD13	8	0.33
(4,1895)	2:317:A:ARG:H	2:316:A:GLY:HA2	9	0.33
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB3	17	0.33
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	10	0.33
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	15	0.33
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	3	0.33
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	5	0.33
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	9	0.33
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	16	0.33
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	8	0.33
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	4	0.33
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	1	0.33
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	7	0.33
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	3	0.33
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	6	0.33
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	19	0.33
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	12	0.33
(4,1661)	2:245:A:GLU:HB3	2:246:A:VAL:H	18	0.33
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	16	0.33
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	17	0.33
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	17	0.33
(4,1572)	2:236:A:THR:HG23	2:237:A:GLU:H	17	0.33
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	8	0.33
(4,1566)	2:243:A:ALA:HB1	2:243:A:ALA:H	19	0.33
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	8	0.33
(4,1533)	2:295:A:VAL:HG22	2:297:A:ARG:H	17	0.33
(4,1533)	2:295:A:VAL:HG22	2:297:A:ARG:H	19	0.33
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	5	0.33
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	9	0.33
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	14	0.33
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	18	0.33
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	10	0.33
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	3	0.33
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	3	0.33
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	10	0.33
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE2	5	0.33
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE1	6	0.33
(4,1217)	2:321:A:MET:HE2	2:288:A:GLY:HA3	2	0.33
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	19	0.33
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	5	0.33
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	3	0.33
(4,1140)	2:280:A:VAL:HG11	2:281:A:LEU:H	19	0.33
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	5	0.33
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	15	0.33
(4,1123)	2:315:A:VAL:HB	2:316:A:GLY:H	20	0.33
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	4	0.33
(4,1118)	2:315:A:VAL:HG11	2:314:A:ASN:H	7	0.33
(4,1118)	2:315:A:VAL:HG12	2:314:A:ASN:H	17	0.33
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	13	0.33
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE3	10	0.33
(4,1079)	2:258:A:ILE:HD12	2:259:A:VAL:H	5	0.33
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	11	0.33
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	18	0.33
(4,1059)	2:282:A:ILE:HG21	2:336:A:ARG:H	15	0.33
(4,1059)	2:282:A:ILE:HG21	2:336:A:ARG:H	18	0.33
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	8	0.33
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	2	0.33
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	5	0.33
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	10	0.33
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	11	0.33
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB1	12	0.33
(4,919)	2:310:A:ALA:H	2:309:A:VAL:HG13	14	0.33
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	7	0.33
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	11	0.33
(4,841)	2:320:A:GLU:HG2	2:320:A:GLU:HA	12	0.33
(4,830)	2:321:A:MET:HE2	2:321:A:MET:H	8	0.33
(4,798)	2:291:A:THR:HG21	2:289:A:THR:HB	8	0.33
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	5	0.33
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	19	0.33
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	16	0.33
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE1	17	0.33
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	8	0.33
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	14	0.33
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	17	0.33
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	10	0.33
(4,642)	2:327:A:ALA:HB1	2:327:A:ALA:HA	11	0.33
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	12	0.33
(4,642)	2:327:A:ALA:HB2	2:327:A:ALA:HA	17	0.33
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	17	0.33
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	4	0.33
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD11	3	0.33
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	2	0.33
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	12	0.33
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	15	0.33
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	20	0.33
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	7	0.33
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	13	0.33
(4,382)	2:258:A:ILE:HD11	2:321:A:MET:HE3	12	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	4	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB1	6	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB1	8	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	9	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB1	11	0.33
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	16	0.33
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	14	0.33
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	9	0.33
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	17	0.33
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	18	0.33
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	6	0.33
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	16	0.33
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	1	0.33
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	8	0.33
(4,329)	2:321:A:MET:HE3	2:321:A:MET:HA	9	0.33
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	13	0.33
(4,318)	2:289:A:THR:HG23	2:317:A:ARG:HD2	8	0.33
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	11	0.33
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	16	0.33
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	18	0.33
(4,196)	2:302:A:LYS:HA	2:302:A:LYS:HG2	10	0.33
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	6	0.33
(4,169)	2:284:A:MET:HB3	2:334:A:ARG:HA	18	0.33
(4,145)	2:284:A:MET:HB2	2:290:A:ILE:HA	5	0.33
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	2	0.33
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	9	0.33
(4,75)	2:332:A:LEU:HD11	2:251:A:THR:HG21	12	0.33
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	15	0.33
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD22	2	0.33
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD23	3	0.33
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD23	15	0.33
(4,19)	2:328:A:THR:HB	2:324:A:LEU:HB3	11	0.33
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	4	0.33
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	5	0.33
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	1	0.33
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	11	0.33
(3,591)	2:343:A:GLU:HG3	2:344:A:ASP:H	17	0.33
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	7	0.33
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	13	0.33
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	19	0.33
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	13	0.33
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	10	0.33
(3,549)	2:346:A:SER:HB2	2:346:A:SER:H	7	0.33
(3,549)	2:346:A:SER:H	2:346:A:SER:HB3	12	0.33
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	4	0.33
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	5	0.33
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	16	0.33
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	20	0.33
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	10	0.33
(3,460)	2:245:A:GLU:HG2	2:246:A:VAL:H	11	0.33
(3,456)	2:249:A:GLU:H	2:248:A:SER:HB2	6	0.33
(3,427)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	19	0.33
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD13	4	0.33
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD13	14	0.33
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	16	0.33
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	2	0.33
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	1	0.33
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	3	0.33
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	15	0.33
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	16	0.33
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	9	0.33
(3,242)	2:238:A:ARG:HG2	2:238:A:ARG:H	5	0.33
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	5	0.33
(3,217)	2:230:A:GLU:H	2:230:A:GLU:HG3	5	0.33
(3,213)	2:237:A:GLU:HG3	2:237:A:GLU:H	5	0.33
(3,211)	2:240:A:GLN:HB2	2:241:A:ALA:H	2	0.33
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,207)	2:317:A:ARG:HG3	2:318:A:ILE:H	7	0.33
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	8	0.33
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD11	18	0.33
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	19	0.33
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	10	0.33
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	9	0.33
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	1	0.33
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	4	0.33
(3,94)	2:289:A:THR:HG22	2:290:A:ILE:HB	19	0.33
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	17	0.33
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	20	0.33
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	1	0.33
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	20	0.33
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	6	0.33
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	15	0.33
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	20	0.33
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	11	0.33
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	17	0.33
(3,64)	2:346:A:SER:H	2:346:A:SER:HB3	5	0.33
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	2	0.33
(3,56)	2:341:A:LYS:HB3	2:341:A:LYS:HE2	15	0.33
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	7	0.33
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	6	0.33
(3,12)	2:284:A:MET:HE2	2:336:A:ARG:HB2	2	0.33
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	2	0.33
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	11	0.33
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	14	0.33
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	7	0.32
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	8	0.32
(4,4355)	2:302:A:LYS:HA	2:302:A:LYS:HG2	12	0.32
(4,4349)	2:276:A:MET:HE3	2:273:A:ARG:H	2	0.32
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	4	0.32
(4,4342)	2:325:A:PRO:HD3	2:328:A:THR:HG21	7	0.32
(4,4319)	2:326:A:ARG:HD2	2:329:A:PHE:HD2	15	0.32
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	6	0.32
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	13	0.32
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	12	0.32
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	19	0.32
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB2	7	0.32
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB1	20	0.32
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG23	20	0.32
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	11	0.32
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	3	0.32
(4,4162)	2:262:A:VAL:H	2:258:A:ILE:HG21	4	0.32
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	9	0.32
(4,4137)	2:347:A:LEU:HD11	2:347:A:LEU:HA	5	0.32
(4,4133)	2:282:A:ILE:HG21	2:336:A:ARG:H	13	0.32
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	14	0.32
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	3	0.32
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	5	0.32
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	12	0.32
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	17	0.32
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG22	5	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	4	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	8	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	9	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	10	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	12	0.32
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG22	18	0.32
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	9	0.32
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	12	0.32
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB1	9	0.32
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	4	0.32
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	5	0.32
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	6	0.32
(4,3915)	2:276:A:MET:HE1	2:301:A:ASP:H	1	0.32
(4,3915)	2:276:A:MET:HE3	2:301:A:ASP:H	19	0.32
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	16	0.32
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	8	0.32
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	6	0.32
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	7	0.32
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	10	0.32
(4,3863)	2:320:A:GLU:HG2	2:320:A:GLU:HA	10	0.32
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	8	0.32
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	13	0.32
(4,3796)	2:261:A:LEU:HD13	2:261:A:LEU:H	4	0.32
(4,3796)	2:261:A:LEU:HD13	2:261:A:LEU:H	5	0.32
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	10	0.32
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	12	0.32
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	3	0.32
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	9	0.32
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	10	0.32
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	18	0.32
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	5	0.32
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	15	0.32
(4,3559)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	9	0.32
(4,3484)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	16	0.32
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	5	0.32
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	9	0.32
(4,3459)	2:306:A:SER:H	2:306:A:SER:HB3	20	0.32
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	7	0.32
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	15	0.32
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	16	0.32
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	20	0.32
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	11	0.32
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	9	0.32
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	3	0.32
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	14	0.32
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	15	0.32
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	12	0.32
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	13	0.32
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	20	0.32
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	7	0.32
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	10	0.32
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	17	0.32
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	18	0.32
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	2	0.32
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	5	0.32
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	6	0.32
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	5	0.32
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	13	0.32
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG21	18	0.32
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	3	0.32
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	18	0.32
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	4	0.32
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	14	0.32
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	3	0.32
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	13	0.32
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	3	0.32
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	15	0.32
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	2	0.32
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB3	7	0.32
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	16	0.32
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	6	0.32
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	10	0.32
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	18	0.32
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	4	0.32
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	17	0.32
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	20	0.32
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	12	0.32
(4,3013)	2:302:A:LYS:HA	2:302:A:LYS:HG2	20	0.32
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	1	0.32
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	10	0.32
(4,2805)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	8	0.32
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	17	0.32
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	19	0.32
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	11	0.32
(4,2796)	2:325:A:PRO:HD3	2:328:A:THR:HB	16	0.32
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	12	0.32
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB3	10	0.32
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD13	5	0.32
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	20	0.32
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	2	0.32
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	7	0.32
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	10	0.32
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	11	0.32
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	15	0.32
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	19	0.32
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	6	0.32
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	8	0.32
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	17	0.32
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	12	0.32
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	3	0.32
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	11	0.32
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	20	0.32
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	7	0.32
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	3	0.32
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD13	12	0.32
(4,2396)	2:236:A:THR:HG23	2:237:A:GLU:H	13	0.32
(4,2374)	2:254:A:LEU:H	2:254:A:LEU:HD13	8	0.32
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	1	0.32
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	12	0.32
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	13	0.32
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	5	0.32
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	14	0.32
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	19	0.32
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	5	0.32
(4,2270)	2:305:A:ASP:HB2	2:306:A:SER:H	20	0.32
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	14	0.32
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	16	0.32
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	12	0.32
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	13	0.32
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	18	0.32
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	15	0.32
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	13	0.32
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	18	0.32
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB3	11	0.32
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD23	17	0.32
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	6	0.32
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	7	0.32
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	19	0.32
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	2	0.32
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	8	0.32
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	12	0.32
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	14	0.32
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	18	0.32
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	20	0.32
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	15	0.32
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	9	0.32
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	10	0.32
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	4	0.32
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	5	0.32
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	10	0.32
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	13	0.32
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	20	0.32
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	15	0.32
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	10	0.32
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	4	0.32
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	7	0.32
(4,1533)	2:295:A:VAL:HG22	2:297:A:ARG:H	20	0.32
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	4	0.32
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	6	0.32
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	15	0.32
(4,1487)	2:295:A:VAL:HG23	2:306:A:SER:H	17	0.32
(4,1452)	2:250:A:VAL:HG21	2:251:A:THR:H	4	0.32
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	5	0.32
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	12	0.32
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	14	0.32
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	18	0.32
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	1	0.32
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	1	0.32
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB3	13	0.32
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	1	0.32
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	10	0.32
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	18	0.32
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	11	0.32
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	7	0.32
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	4	0.32
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG22	8	0.32
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	6	0.32
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	14	0.32
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	15	0.32
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	3	0.32
(4,1125)	2:266:A:TRP:HE3	2:308:A:ALA:HB2	9	0.32
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	8	0.32
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	3	0.32
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	19	0.32
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	9	0.32
(4,1061)	2:347:A:LEU:HD11	2:347:A:LEU:HA	14	0.32
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	4	0.32
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	11	0.32
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	13	0.32
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	10	0.32
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG22	3	0.32
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	4	0.32
(4,976)	2:339:A:ILE:HG22	2:277:A:SER:HB3	8	0.32
(4,976)	2:339:A:ILE:HG22	2:277:A:SER:HB3	13	0.32
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	16	0.32
(4,976)	2:339:A:ILE:HG21	2:277:A:SER:HB3	19	0.32
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	18	0.32
(4,878)	2:281:A:LEU:HD13	2:296:A:SER:HB3	1	0.32
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	15	0.32
(4,841)	2:320:A:GLU:HG2	2:320:A:GLU:HA	14	0.32
(4,798)	2:291:A:THR:HG22	2:289:A:THR:HB	12	0.32
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	10	0.32
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	1	0.32
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	4	0.32
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	12	0.32
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	14	0.32
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	20	0.32
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	5	0.32
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	8	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	1	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	2	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	3	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	4	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	6	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	7	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	9	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	10	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	12	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	18	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	19	0.32
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	20	0.32
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	1	0.32
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	7	0.32
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	11	0.32
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	12	0.32
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD21	3	0.32
(4,586)	2:341:A:LYS:HB3	2:339:A:ILE:HG21	7	0.32
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	3	0.32
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	12	0.32
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	17	0.32
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	7	0.32
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD11	14	0.32
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	11	0.32
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	12	0.32
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	5	0.32
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	3	0.32
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	2	0.32
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	15	0.32
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	20	0.32
(4,366)	2:285:A:LEU:HD23	2:285:A:LEU:HB2	5	0.32
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	3	0.32
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	11	0.32
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	12	0.32
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	10	0.32
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB3	18	0.32
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	19	0.32
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	3	0.32
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB1	7	0.32
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	8	0.32
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	19	0.32
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	20	0.32
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG11	1	0.32
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG12	17	0.32
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	6	0.32
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	19	0.32
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	1	0.32
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	14	0.32
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD3	15	0.32
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	2	0.32
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	13	0.32
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	16	0.32
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	20	0.32
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	5	0.32
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	9	0.32
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	15	0.32
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	14	0.32
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	12	0.32
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	5	0.32
(3,468)	2:247:A:GLY:HA3	2:248:A:SER:H	15	0.32
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	12	0.32
(3,460)	2:245:A:GLU:HG3	2:246:A:VAL:H	8	0.32
(3,454)	2:237:A:GLU:HG2	2:237:A:GLU:H	2	0.32
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	19	0.32
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.32
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	12	0.32
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	3	0.32
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	14	0.32
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	7	0.32
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	11	0.32
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	15	0.32
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	12	0.32
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	15	0.32
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG23	17	0.32
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	19	0.32
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	1	0.32
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	14	0.32
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD11	6	0.32
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	20	0.32
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HB2	2	0.32
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	19	0.32
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	8	0.32
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	15	0.32
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	20	0.32
(3,260)	2:323:A:GLN:H	2:323:A:GLN:HB2	5	0.32
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	10	0.32
(3,244)	2:238:A:ARG:HG3	2:239:A:GLN:H	5	0.32
(3,217)	2:230:A:GLU:H	2:230:A:GLU:HG3	11	0.32
(3,215)	2:249:A:GLU:H	2:248:A:SER:HB2	6	0.32
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	13	0.32
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	2	0.32
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	6	0.32
(3,154)	2:321:A:MET:HE3	2:333:A:TYR:HA	11	0.32
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	10	0.32
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	4	0.32
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	16	0.32
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	14	0.32
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	4	0.32
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	11	0.32
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	1	0.32
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	3	0.32
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	13	0.32
(3,71)	2:345:A:LEU:HD22	2:276:A:MET:H	3	0.32
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	6	0.32
(3,71)	2:345:A:LEU:HD22	2:276:A:MET:H	15	0.32
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	18	0.32
(3,61)	2:338:A:ILE:HG23	2:339:A:ILE:H	8	0.32
(3,61)	2:338:A:ILE:HG23	2:339:A:ILE:H	9	0.32
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	4	0.32
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	7	0.32
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG23	8	0.32
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB3	4	0.31
(4,4350)	2:276:A:MET:HE3	2:304:A:PHE:HD1	19	0.31
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	2	0.31
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	13	0.31
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	18	0.31
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	4	0.31
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	4	0.31
(4,4242)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	19	0.31
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	20	0.31
(4,4238)	2:343:A:GLU:HB2	2:343:A:GLU:H	8	0.31
(4,4219)	2:323:A:GLN:H	2:323:A:GLN:HB3	3	0.31
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	7	0.31
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	14	0.31
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	16	0.31
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	19	0.31
(4,4186)	2:269:A:PRO:HG2	2:304:A:PHE:HA	15	0.31
(4,4171)	2:284:A:MET:HE3	2:288:A:GLY:H	10	0.31
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	7	0.31
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	3	0.31
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	19	0.31
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	4	0.31
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	14	0.31
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	19	0.31
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB3	17	0.31
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	2	0.31
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG22	5	0.31
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	11	0.31
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	14	0.31
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG22	16	0.31
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	19	0.31
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	17	0.31
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD12	11	0.31
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	11	0.31
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	8	0.31
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG21	1	0.31
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	3	0.31
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	7	0.31
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	8	0.31
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	10	0.31
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	15	0.31
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	3	0.31
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	13	0.31
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	6	0.31
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	16	0.31
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	5	0.31
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	12	0.31
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	17	0.31
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	17	0.31
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.31
(4,3796)	2:261:A:LEU:HD13	2:261:A:LEU:H	7	0.31
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	15	0.31
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	16	0.31
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	5	0.31
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	12	0.31
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	15	0.31
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	20	0.31
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	8	0.31
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	6	0.31
(4,3718)	2:277:A:SER:H	2:276:A:MET:HG3	10	0.31
(4,3717)	2:277:A:SER:H	2:276:A:MET:HG3	17	0.31
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	6	0.31
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	18	0.31
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	19	0.31
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	1	0.31
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	13	0.31
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	20	0.31
(4,3648)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	8	0.31
(4,3579)	2:332:A:LEU:H	2:332:A:LEU:HB3	2	0.31
(4,3559)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	14	0.31
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	13	0.31
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	1	0.31
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG23	3	0.31
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG12	15	0.31
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	4	0.31
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	20	0.31
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	5	0.31
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	12	0.31
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	13	0.31
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	19	0.31
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	2	0.31
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	2	0.31
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	8	0.31
(4,3334)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	5	0.31
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	11	0.31
(4,3324)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	18	0.31
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	19	0.31
(4,3285)	2:284:A:MET:HE3	2:321:A:MET:HG2	8	0.31
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	14	0.31
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	3	0.31
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB3	10	0.31
(4,3219)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	8	0.31
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	20	0.31
(4,3186)	2:281:A:LEU:HD11	2:336:A:ARG:HA	15	0.31
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	6	0.31
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	14	0.31
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG13	18	0.31
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	5	0.31
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	11	0.31
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	13	0.31
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	17	0.31
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB1	12	0.31
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	5	0.31
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	5	0.31
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB1	9	0.31
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	1	0.31
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	6	0.31
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	17	0.31
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD12	16	0.31
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD11	20	0.31
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	2	0.31
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	3	0.31
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	6	0.31
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	7	0.31
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	10	0.31
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	1	0.31
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	1	0.31
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	10	0.31
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	1	0.31
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	10	0.31
(4,2805)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	1	0.31
(4,2805)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	14	0.31
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB3	11	0.31
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	8	0.31
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB1	18	0.31
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	14	0.31
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	5	0.31
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD13	9	0.31
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD13	10	0.31
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD13	15	0.31
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	1	0.31
(4,2670)	2:312:A:VAL:HG11	2:311:A:ALA:H	6	0.31
(4,2670)	2:312:A:VAL:HG12	2:311:A:ALA:H	13	0.31
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	17	0.31
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	7	0.31
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	7	0.31
(4,2523)	2:235:A:THR:HG22	2:235:A:THR:H	11	0.31
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	8	0.31
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	11	0.31
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	9	0.31
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	18	0.31
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	7	0.31
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	12	0.31
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	20	0.31
(4,2230)	1:1:B:ALA:HB1	2:251:A:THR:H	9	0.31
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	1	0.31
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	13	0.31
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	18	0.31
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	2	0.31
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	11	0.31
(4,2068)	2:347:A:LEU:H	2:346:A:SER:HB3	10	0.31
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	9	0.31
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD11	12	0.31
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	18	0.31
(4,2023)	2:276:A:MET:HE2	2:272:A:ALA:HA	14	0.31
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG23	5	0.31
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	1	0.31
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	6	0.31
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	14	0.31
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	20	0.31
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD12	6	0.31
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG21	14	0.31
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG22	15	0.31
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB3	10	0.31
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	19	0.31
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	2	0.31
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	7	0.31
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	10	0.31
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	11	0.31
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	15	0.31
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	19	0.31
(4,1790)	2:311:A:ALA:H	2:265:A:GLN:HB2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	6	0.31
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	8	0.31
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	17	0.31
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	15	0.31
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	19	0.31
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	2	0.31
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	8	0.31
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	9	0.31
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	12	0.31
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	3	0.31
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	20	0.31
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	7	0.31
(4,1572)	2:236:A:THR:HG23	2:237:A:GLU:H	13	0.31
(4,1555)	2:254:A:LEU:H	2:254:A:LEU:HD13	8	0.31
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	10	0.31
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	1	0.31
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	12	0.31
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	13	0.31
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	5	0.31
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	10	0.31
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	14	0.31
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	19	0.31
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	5	0.31
(4,1485)	2:305:A:ASP:HB2	2:306:A:SER:H	20	0.31
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	14	0.31
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	13	0.31
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	19	0.31
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	20	0.31
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	3	0.31
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	20	0.31
(4,1221)	2:276:A:MET:HE2	2:304:A:PHE:H	17	0.31
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	1	0.31
(4,1219)	2:276:A:MET:HE3	2:273:A:ARG:H	14	0.31
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	15	0.31
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	6	0.31
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG22	6	0.31
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	10	0.31
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	2	0.31
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	1	0.31
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG22	5	0.31
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	6	0.31
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	7	0.31
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	10	0.31
(4,1154)	2:338:A:ILE:HD11	2:308:A:ALA:HB1	17	0.31
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	20	0.31
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	10	0.31
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	3	0.31
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	5	0.31
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	20	0.31
(4,1106)	2:336:A:ARG:HG3	2:337:A:ARG:H	10	0.31
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE2	16	0.31
(4,1088)	2:284:A:MET:HE2	2:288:A:GLY:H	16	0.31
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	4	0.31
(4,1079)	2:258:A:ILE:HD12	2:259:A:VAL:H	10	0.31
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	16	0.31
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	19	0.31
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	13	0.31
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	7	0.31
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	2	0.31
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	3	0.31
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	8	0.31
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	6	0.31
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	9	0.31
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	17	0.31
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	10	0.31
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	13	0.31
(4,970)	2:272:A:ALA:HB1	2:273:A:ARG:HA	12	0.31
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	10	0.31
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	17	0.31
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	19	0.31
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD13	2	0.31
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	18	0.31
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG22	2	0.31
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	8	0.31
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	9	0.31
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	13	0.31
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	13	0.31
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	19	0.31
(4,740)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	10	0.31
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	5	0.31
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	15	0.31
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	16	0.31
(4,642)	2:327:A:ALA:HB3	2:327:A:ALA:HA	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	3	0.31
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	4	0.31
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	5	0.31
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	9	0.31
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	16	0.31
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	18	0.31
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	20	0.31
(4,620)	2:332:A:LEU:HD12	2:332:A:LEU:H	9	0.31
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG12	3	0.31
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	2	0.31
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	8	0.31
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	18	0.31
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	19	0.31
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	6	0.31
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	9	0.31
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	19	0.31
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	12	0.31
(4,439)	2:328:A:THR:HG21	2:324:A:LEU:HB2	6	0.31
(4,439)	2:328:A:THR:HG21	2:324:A:LEU:HB2	19	0.31
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	10	0.31
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	7	0.31
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	20	0.31
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	18	0.31
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	3	0.31
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	2	0.31
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	7	0.31
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	8	0.31
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	14	0.31
(4,342)	2:281:A:LEU:HD11	2:296:A:SER:HB2	19	0.31
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	3	0.31
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	15	0.31
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	10	0.31
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB3	7	0.31
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	4	0.31
(4,331)	2:321:A:MET:HE2	2:288:A:GLY:HA2	7	0.31
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	6	0.31
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB2	11	0.31
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	14	0.31
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	9	0.31
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	6	0.31
(4,196)	2:302:A:LYS:HA	2:302:A:LYS:HG2	20	0.31
(4,187)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,167)	2:342:A:PRO:HG3	2:342:A:PRO:HA	6	0.31
(4,151)	2:284:A:MET:HE2	2:336:A:ARG:HB2	8	0.31
(4,127)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	17	0.31
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	10	0.31
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	11	0.31
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG22	14	0.31
(4,93)	2:280:A:VAL:HB	2:338:A:ILE:HG23	20	0.31
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	1	0.31
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	2	0.31
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	8	0.31
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	19	0.31
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	17	0.31
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	19	0.31
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	11	0.31
(4,3)	2:325:A:PRO:HD3	2:328:A:THR:HB	16	0.31
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	6	0.31
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	4	0.31
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	4	0.31
(3,587)	2:304:A:PHE:HA	2:269:A:PRO:HB3	15	0.31
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	3	0.31
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	17	0.31
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	4	0.31
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	15	0.31
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	20	0.31
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	12	0.31
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	16	0.31
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	2	0.31
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	17	0.31
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	1	0.31
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	8	0.31
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	16	0.31
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	17	0.31
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	3	0.31
(3,472)	2:239:A:GLN:H	2:238:A:ARG:HB3	3	0.31
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	9	0.31
(3,460)	2:245:A:GLU:HG3	2:246:A:VAL:H	4	0.31
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD3	18	0.31
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	3	0.31
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	19	0.31
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	4	0.31
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	13	0.31
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD21	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG3	7	0.31
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	4	0.31
(3,372)	2:289:A:THR:HG22	2:290:A:ILE:HB	6	0.31
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG22	5	0.31
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG11	19	0.31
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	10	0.31
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	5	0.31
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	6	0.31
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	18	0.31
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	14	0.31
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	8	0.31
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	14	0.31
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	12	0.31
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	5	0.31
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	12	0.31
(3,227)	2:245:A:GLU:HG3	2:246:A:VAL:H	8	0.31
(3,227)	2:245:A:GLU:HG2	2:246:A:VAL:H	11	0.31
(3,213)	2:237:A:GLU:HG2	2:237:A:GLU:H	2	0.31
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	19	0.31
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	11	0.31
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	17	0.31
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	12	0.31
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.31
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	7	0.31
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	3	0.31
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	5	0.31
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	20	0.31
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	2	0.31
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	8	0.31
(3,80)	2:280:A:VAL:HB	2:281:A:LEU:H	14	0.31
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	7	0.31
(3,68)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	1	0.31
(3,64)	2:346:A:SER:H	2:346:A:SER:HB3	2	0.31
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	5	0.31
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	9	0.31
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	15	0.31
(3,12)	2:284:A:MET:HE2	2:336:A:ARG:HB2	9	0.31
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	18	0.31
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	16	0.31
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	20	0.31
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG11	9	0.3
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4404)	1:6:B:ILE:HD13	1:6:B:ILE:H	18	0.3
(4,4383)	2:267:A:ARG:H	2:311:A:ALA:HB1	14	0.3
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	11	0.3
(4,4287)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.3
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	8	0.3
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	2	0.3
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	5	0.3
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	11	0.3
(4,4228)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	15	0.3
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG12	10	0.3
(4,4161)	2:258:A:ILE:HD11	2:259:A:VAL:H	2	0.3
(4,4161)	2:258:A:ILE:HD13	2:259:A:VAL:H	6	0.3
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	3	0.3
(4,4152)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	4	0.3
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	6	0.3
(4,4139)	2:344:A:ASP:H	2:345:A:LEU:HD13	20	0.3
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	19	0.3
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	1	0.3
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	9	0.3
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB1	1	0.3
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	1	0.3
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG21	7	0.3
(4,4063)	2:259:A:VAL:HB	2:258:A:ILE:HG23	17	0.3
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG23	18	0.3
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	1	0.3
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	3	0.3
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	5	0.3
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	6	0.3
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	20	0.3
(4,4027)	2:339:A:ILE:HG22	2:277:A:SER:HB3	1	0.3
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	9	0.3
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	12	0.3
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	14	0.3
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB1	18	0.3
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	1	0.3
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	18	0.3
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	19	0.3
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE2	6	0.3
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	13	0.3
(4,3904)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	4	0.3
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	10	0.3
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG12	11	0.3
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG12	12	0.3
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG12	15	0.3
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	19	0.3
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	3	0.3
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	7	0.3
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	11	0.3
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	12	0.3
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	9	0.3
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	1	0.3
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	2	0.3
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD23	11	0.3
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	14	0.3
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	16	0.3
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	3	0.3
(4,3796)	2:261:A:LEU:HD13	2:261:A:LEU:H	8	0.3
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	13	0.3
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	18	0.3
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	4	0.3
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	5	0.3
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	10	0.3
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	12	0.3
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	17	0.3
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	2	0.3
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	3	0.3
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	7	0.3
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	9	0.3
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	10	0.3
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	20	0.3
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	13	0.3
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	19	0.3
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	11	0.3
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	19	0.3
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD13	18	0.3
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	7	0.3
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	11	0.3
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	13	0.3
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE3	5	0.3
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	1	0.3
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	20	0.3
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	2	0.3
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	10	0.3
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	15	0.3
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG11	7	0.3
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE1	20	0.3
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	5	0.3
(4,3219)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	7	0.3
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE2	5	0.3
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE1	6	0.3
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	15	0.3
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	16	0.3
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	3	0.3
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	20	0.3
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	10	0.3
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	10	0.3
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	9	0.3
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	1	0.3
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	14	0.3
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	16	0.3
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	1	0.3
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	8	0.3
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	13	0.3
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	14	0.3
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	19	0.3
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	13	0.3
(4,3069)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	6	0.3
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	13	0.3
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	14	0.3
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	17	0.3
(4,3052)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	13	0.3
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	8	0.3
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	16	0.3
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	10	0.3
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	9	0.3
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	9	0.3
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	13	0.3
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD13	13	0.3
(4,2870)	2:251:A:THR:HA	2:332:A:LEU:HD21	18	0.3
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	14	0.3
(4,2805)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	3	0.3
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	6	0.3
(4,2805)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	10	0.3
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	16	0.3
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD13	12	0.3
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	11	0.3
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	18	0.3
(4,2670)	2:312:A:VAL:HG13	2:311:A:ALA:H	4	0.3
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	12	0.3
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	10	0.3
(4,2523)	2:235:A:THR:HG23	2:235:A:THR:H	5	0.3
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	12	0.3
(4,2481)	2:326:A:ARG:HB2	2:327:A:ALA:H	11	0.3
(4,2464)	2:345:A:LEU:H	2:274:A:ASN:HD22	15	0.3
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD11	1	0.3
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	9	0.3
(4,2324)	2:295:A:VAL:HG23	2:297:A:ARG:H	5	0.3
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	14	0.3
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	1	0.3
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	8	0.3
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	13	0.3
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	18	0.3
(4,2299)	2:304:A:PHE:H	2:304:A:PHE:HD2	20	0.3
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	8	0.3
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	9	0.3
(4,2217)	2:328:A:THR:H	2:329:A:PHE:HD2	12	0.3
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	4	0.3
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	6	0.3
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	7	0.3
(4,2145)	2:281:A:LEU:HD13	2:337:A:ARG:H	8	0.3
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	4	0.3
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	8	0.3
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD12	8	0.3
(4,2023)	2:276:A:MET:HE3	2:272:A:ALA:HA	11	0.3
(4,2023)	2:276:A:MET:HE1	2:272:A:ALA:HA	13	0.3
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG23	9	0.3
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	20	0.3
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	15	0.3
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	18	0.3
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	16	0.3
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	3	0.3
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB3	11	0.3
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	8	0.3
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB1	18	0.3
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	5	0.3
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD13	15	0.3
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	20	0.3
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	16	0.3
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	1	0.3
(4,1793)	2:312:A:VAL:HG11	2:311:A:ALA:H	6	0.3
(4,1793)	2:312:A:VAL:HG12	2:311:A:ALA:H	13	0.3
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	17	0.3
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	7	0.3
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	3	0.3
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	12	0.3
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	16	0.3
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	4	0.3
(4,1722)	2:258:A:ILE:HD12	2:257:A:LEU:H	5	0.3
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	14	0.3
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	15	0.3
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	7	0.3
(4,1673)	2:235:A:THR:HG22	2:235:A:THR:H	11	0.3
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	11	0.3
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	8	0.3
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	9	0.3
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	18	0.3
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	7	0.3
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	12	0.3
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	20	0.3
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	16	0.3
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	18	0.3
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	2	0.3
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	11	0.3
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	7	0.3
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	3	0.3
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	7	0.3
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB2	2	0.3
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	5	0.3
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	11	0.3
(4,1224)	2:284:A:MET:HE3	2:288:A:GLY:HA3	19	0.3
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	20	0.3
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	11	0.3
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	15	0.3
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	17	0.3
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	19	0.3
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD21	11	0.3
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	16	0.3
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	8	0.3
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	11	0.3
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	14	0.3
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	15	0.3
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	16	0.3
(4,1143)	2:343:A:GLU:HB2	2:343:A:GLU:H	11	0.3
(4,1140)	2:280:A:VAL:HG11	2:281:A:LEU:H	1	0.3
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	4	0.3
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	11	0.3
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	14	0.3
(4,1118)	2:315:A:VAL:HG11	2:314:A:ASN:H	15	0.3
(4,1118)	2:315:A:VAL:HG13	2:314:A:ASN:H	18	0.3
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	10	0.3
(4,1079)	2:258:A:ILE:HD12	2:259:A:VAL:H	13	0.3
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	20	0.3
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	9	0.3
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	10	0.3
(4,1057)	2:322:A:GLN:HG3	2:287:A:ASP:HA	7	0.3
(4,1057)	2:322:A:GLN:HG3	2:287:A:ASP:HA	13	0.3
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	1	0.3
(4,999)	2:318:A:ILE:HB	2:321:A:MET:HG3	17	0.3
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	17	0.3
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	12	0.3
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	20	0.3
(4,878)	2:281:A:LEU:HD13	2:296:A:SER:HB3	12	0.3
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	2	0.3
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	1	0.3
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	3	0.3
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	14	0.3
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	18	0.3
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	20	0.3
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	9	0.3
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	12	0.3
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	16	0.3
(4,741)	2:272:A:ALA:HB2	2:276:A:MET:HE2	3	0.3
(4,660)	2:325:A:PRO:HD2	2:325:A:PRO:HB3	11	0.3
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	6	0.3
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	10	0.3
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	13	0.3
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	15	0.3
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	19	0.3
(4,553)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	6	0.3
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	9	0.3
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	7	0.3
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	11	0.3
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	13	0.3
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	16	0.3
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	11	0.3
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	19	0.3
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	20	0.3
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	1	0.3
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	9	0.3
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	7	0.3
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	10	0.3
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	17	0.3
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	18	0.3
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	2	0.3
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	5	0.3
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	5	0.3
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	2	0.3
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	12	0.3
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	19	0.3
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE3	3	0.3
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	13	0.3
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	8	0.3
(4,366)	2:285:A:LEU:HD21	2:285:A:LEU:HB2	18	0.3
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	5	0.3
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	11	0.3
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	2	0.3
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	17	0.3
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB1	12	0.3
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	16	0.3
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	17	0.3
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	6	0.3
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	10	0.3
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	18	0.3
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB1	9	0.3
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	4	0.3
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	17	0.3
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	20	0.3
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	1	0.3
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	10	0.3
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	1	0.3
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	1	0.3
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	7	0.3
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	17	0.3
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD22	10	0.3
(4,12)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	8	0.3
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	12	0.3
(3,593)	2:254:A:LEU:HD21	2:324:A:LEU:HG	16	0.3
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD2	20	0.3
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	9	0.3
(3,544)	2:254:A:LEU:HD21	2:324:A:LEU:HG	16	0.3
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG21	2	0.3
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	10	0.3
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	14	0.3
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	3	0.3
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	2	0.3
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	6	0.3
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	9	0.3
(3,484)	2:231:A:LEU:HD12	2:231:A:LEU:H	9	0.3
(3,472)	2:238:A:ARG:HB2	2:239:A:GLN:H	8	0.3
(3,472)	2:239:A:GLN:H	2:238:A:ARG:HB3	14	0.3
(3,465)	2:233:A:SER:HB3	2:235:A:THR:H	12	0.3
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	20	0.3
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	8	0.3
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	18	0.3
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD11	16	0.3
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	5	0.3
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	9	0.3
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	11	0.3
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD13	8	0.3
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	13	0.3
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	19	0.3
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	19	0.3
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	2	0.3
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	9	0.3
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG23	9	0.3
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	12	0.3
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	8	0.3
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	8	0.3
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	19	0.3
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	15	0.3
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	8	0.3
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	16	0.3
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	15	0.3
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	7	0.3
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	5	0.3
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	1	0.3
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	6	0.3
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	16	0.3
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	17	0.3
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HB2	7	0.3
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	3	0.3
(3,243)	2:239:A:GLN:H	2:238:A:ARG:HB3	3	0.3
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	9	0.3
(3,227)	2:245:A:GLU:HG3	2:246:A:VAL:H	4	0.3
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	1	0.3
(3,208)	2:243:A:ALA:HA	2:243:A:ALA:H	16	0.3
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	5	0.3
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	12	0.3
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	7	0.3
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	9	0.3
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	14	0.3
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	19	0.3
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	20	0.3
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	5	0.3
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	17	0.3
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	3	0.3
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	1	0.3
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	14	0.3
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	17	0.3
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	20	0.3
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	16	0.3
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	5	0.3
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	9	0.3
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	13	0.3
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	10	0.3
(3,110)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	20	0.3
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	8	0.3
(3,102)	2:302:A:LYS:HB3	2:306:A:SER:HB2	17	0.3
(3,90)	2:262:A:VAL:H	2:261:A:LEU:HD11	18	0.3
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,88)	2:261:A:LEU:HG	2:260:A:ASN:HB2	15	0.3
(3,81)	2:341:A:LYS:HD2	2:277:A:SER:HB3	4	0.3
(3,77)	2:251:A:THR:HA	2:332:A:LEU:HD22	3	0.3
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	6	0.3
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	10	0.3
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	11	0.3
(3,64)	2:346:A:SER:HB2	2:346:A:SER:H	7	0.3
(3,64)	2:346:A:SER:H	2:346:A:SER:HB3	12	0.3
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	2	0.3
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	6	0.3
(3,12)	2:284:A:MET:HE2	2:336:A:ARG:HB2	19	0.3
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	1	0.3
(4,4458)	1:10:B:ASN:HD22	1:12:B:ARG:H	10	0.29
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	19	0.29
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	10	0.29
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	11	0.29
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	10	0.29
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE3	1	0.29
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	20	0.29
(4,4319)	2:326:A:ARG:HD2	2:329:A:PHE:HD2	1	0.29
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	12	0.29
(4,4179)	2:284:A:MET:HE2	2:321:A:MET:H	20	0.29
(4,4178)	2:333:A:TYR:HB2	2:284:A:MET:HE2	2	0.29
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG13	9	0.29
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	6	0.29
(4,4140)	2:272:A:ALA:HB2	2:345:A:LEU:HD11	12	0.29
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	11	0.29
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG21	19	0.29
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	4	0.29
(4,4041)	2:249:A:GLU:HA	2:249:A:GLU:HG2	9	0.29
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	19	0.29
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	3	0.29
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	16	0.29
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	5	0.29
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	2	0.29
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	9	0.29
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	11	0.29
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	12	0.29
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	13	0.29
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	16	0.29
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	10	0.29
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	2	0.29
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	9	0.29
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	4	0.29
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG12	8	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	1	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	2	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	8	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	15	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	17	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	19	0.29
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	20	0.29
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	2	0.29
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	4	0.29
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	6	0.29
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	7	0.29
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	3	0.29
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD23	5	0.29
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	6	0.29
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	1	0.29
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	11	0.29
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	17	0.29
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	19	0.29
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	6	0.29
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	7	0.29
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	8	0.29
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	14	0.29
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	17	0.29
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	4	0.29
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	9	0.29
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	10	0.29
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	13	0.29
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	20	0.29
(4,3742)	2:272:A:ALA:HB1	2:276:A:MET:HE1	10	0.29
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	3	0.29
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	14	0.29
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	17	0.29
(4,3708)	2:341:A:LYS:HB3	2:277:A:SER:HB2	16	0.29
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	13	0.29
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	20	0.29
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	4	0.29
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	6	0.29
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	17	0.29
(4,3648)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	12	0.29
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD23	17	0.29
(4,3570)	2:334:A:ARG:HB2	2:335:A:GLN:H	11	0.29
(4,3560)	2:281:A:LEU:HD13	2:335:A:GLN:HA	13	0.29
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	2	0.29
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG23	5	0.29
(4,3490)	2:254:A:LEU:HD23	2:254:A:LEU:HA	15	0.29
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	11	0.29
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	17	0.29
(4,3484)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	8	0.29
(4,3483)	2:250:A:VAL:HG21	2:249:A:GLU:HB2	7	0.29
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	9	0.29
(4,3427)	2:252:A:GLY:HA3	2:254:A:LEU:HB3	6	0.29
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD12	14	0.29
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	7	0.29
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	19	0.29
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	10	0.29
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	8	0.29
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	14	0.29
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	16	0.29
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	1	0.29
(4,3338)	2:328:A:THR:HG23	2:324:A:LEU:HB2	9	0.29
(4,3318)	2:285:A:LEU:HD21	2:285:A:LEU:HA	10	0.29
(4,3318)	2:285:A:LEU:HD21	2:285:A:LEU:HA	19	0.29
(4,3317)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	9	0.29
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	4	0.29
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	19	0.29
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	4	0.29
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	9	0.29
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	19	0.29
(4,3186)	2:281:A:LEU:HD12	2:336:A:ARG:HA	11	0.29
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	4	0.29
(4,3185)	2:281:A:LEU:HD12	2:296:A:SER:HB2	10	0.29
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	12	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	1	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	5	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG12	8	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG12	11	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG12	12	0.29
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	13	0.29
(4,3169)	2:321:A:MET:HE3	2:321:A:MET:HA	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB2	12	0.29
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	17	0.29
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	1	0.29
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	2	0.29
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	4	0.29
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	14	0.29
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	20	0.29
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD12	7	0.29
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	15	0.29
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	18	0.29
(4,3052)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	5	0.29
(4,3052)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	6	0.29
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	10	0.29
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	1	0.29
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	6	0.29
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	6	0.29
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	11	0.29
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD13	16	0.29
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	10	0.29
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	12	0.29
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD11	13	0.29
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD22	19	0.29
(4,2805)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	2	0.29
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	9	0.29
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	12	0.29
(4,2805)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	13	0.29
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	15	0.29
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	18	0.29
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	2	0.29
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	10	0.29
(4,2651)	2:299:A:SER:HB3	2:301:A:ASP:H	3	0.29
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	14	0.29
(4,2447)	2:262:A:VAL:H	1:6:B:ILE:HD12	8	0.29
(4,2232)	2:250:A:VAL:HG22	2:251:A:THR:H	3	0.29
(4,2232)	2:250:A:VAL:HG21	2:251:A:THR:H	6	0.29
(4,2232)	2:250:A:VAL:HG21	2:251:A:THR:H	14	0.29
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	18	0.29
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	20	0.29
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD11	5	0.29
(4,2023)	2:276:A:MET:HE1	2:272:A:ALA:HA	7	0.29
(4,2023)	2:276:A:MET:HE3	2:272:A:ALA:HA	12	0.29
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	16	0.29
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	17	0.29
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	6	0.29
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	14	0.29
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	20	0.29
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	10	0.29
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	12	0.29
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	18	0.29
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	8	0.29
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	16	0.29
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	11	0.29
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	18	0.29
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD13	9	0.29
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD13	10	0.29
(4,1793)	2:312:A:VAL:HG13	2:311:A:ALA:H	4	0.29
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	12	0.29
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	16	0.29
(4,1722)	2:258:A:ILE:HD13	2:257:A:LEU:H	16	0.29
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	10	0.29
(4,1673)	2:235:A:THR:HG23	2:235:A:THR:H	5	0.29
(4,1639)	2:326:A:ARG:HB2	2:327:A:ALA:H	11	0.29
(4,1623)	2:345:A:LEU:H	2:274:A:ASN:HD22	15	0.29
(4,1533)	2:295:A:VAL:HG23	2:297:A:ARG:H	5	0.29
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	14	0.29
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	1	0.29
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	8	0.29
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	13	0.29
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	18	0.29
(4,1510)	2:304:A:PHE:H	2:304:A:PHE:HD2	20	0.29
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	8	0.29
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	1	0.29
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	12	0.29
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	13	0.29
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	4	0.29
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	6	0.29
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	7	0.29
(4,1379)	2:281:A:LEU:HD13	2:337:A:ARG:H	8	0.29
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	4	0.29
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	8	0.29
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	1	0.29
(4,1219)	2:276:A:MET:HE3	2:273:A:ARG:H	2	0.29
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG23	20	0.29
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	4	0.29
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	11	0.29
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	12	0.29
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	14	0.29
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	15	0.29
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	19	0.29
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	20	0.29
(4,1159)	2:258:A:ILE:HD11	2:333:A:TYR:HB2	14	0.29
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	2	0.29
(4,1143)	2:343:A:GLU:HB2	2:343:A:GLU:H	1	0.29
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG23	20	0.29
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	10	0.29
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	15	0.29
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	18	0.29
(4,1096)	2:284:A:MET:HE3	2:321:A:MET:H	2	0.29
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	12	0.29
(4,1063)	2:272:A:ALA:HB2	2:345:A:LEU:HD13	15	0.29
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD11	14	0.29
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	20	0.29
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	7	0.29
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	8	0.29
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	9	0.29
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	13	0.29
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	15	0.29
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	20	0.29
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	9	0.29
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	12	0.29
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD21	15	0.29
(4,970)	2:272:A:ALA:HB1	2:273:A:ARG:HA	1	0.29
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB1	9	0.29
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	16	0.29
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	14	0.29
(4,878)	2:281:A:LEU:HD13	2:296:A:SER:HB3	4	0.29
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	6	0.29
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	16	0.29
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	7	0.29
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	10	0.29
(4,841)	2:320:A:GLU:HG2	2:320:A:GLU:HA	10	0.29
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	8	0.29
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	13	0.29
(4,786)	2:261:A:LEU:HD13	2:261:A:LEU:H	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,786)	2:261:A:LEU:HD13	2:261:A:LEU:H	5	0.29
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	10	0.29
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	12	0.29
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	3	0.29
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	9	0.29
(4,715)	2:342:A:PRO:HD2	2:277:A:SER:HA	17	0.29
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	18	0.29
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	8	0.29
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD22	5	0.29
(4,604)	2:281:A:LEU:HD12	2:335:A:GLN:HG2	9	0.29
(4,552)	2:250:A:VAL:HG22	2:249:A:GLU:HB2	9	0.29
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	5	0.29
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	9	0.29
(4,532)	2:306:A:SER:H	2:306:A:SER:HB3	20	0.29
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD13	5	0.29
(4,502)	2:346:A:SER:H	2:345:A:LEU:HD12	2	0.29
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	8	0.29
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	14	0.29
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	15	0.29
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD12	20	0.29
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	2	0.29
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	8	0.29
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	19	0.29
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	1	0.29
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG23	9	0.29
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	16	0.29
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB3	10	0.29
(4,343)	2:281:A:LEU:HD11	2:336:A:ARG:HA	15	0.29
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	6	0.29
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	13	0.29
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	13	0.29
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	3	0.29
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	20	0.29
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	5	0.29
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	5	0.29
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	1	0.29
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD12	16	0.29
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD11	20	0.29
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	1	0.29
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	2	0.29
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	3	0.29
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	7	0.29
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	10	0.29
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	19	0.29
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	1	0.29
(4,238)	2:281:A:LEU:HD12	2:337:A:ARG:HA	18	0.29
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	9	0.29
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	10	0.29
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	3	0.29
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	11	0.29
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	15	0.29
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD23	14	0.29
(4,12)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	1	0.29
(4,12)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	3	0.29
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	6	0.29
(4,12)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	14	0.29
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	20	0.29
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	18	0.29
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	12	0.29
(3,572)	2:302:A:LYS:HA	2:302:A:LYS:HD2	10	0.29
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	8	0.29
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	20	0.29
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	3	0.29
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	2	0.29
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	9	0.29
(3,491)	2:341:A:LYS:HD3	2:341:A:LYS:HA	7	0.29
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	13	0.29
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	1	0.29
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	5	0.29
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	7	0.29
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	9	0.29
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	18	0.29
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	19	0.29
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	5	0.29
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	15	0.29
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	4	0.29
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	12	0.29
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	18	0.29
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	15	0.29
(3,401)	2:253:A:SER:HB3	2:257:A:LEU:HD11	3	0.29
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	12	0.29
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD23	13	0.29
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG3	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG3	15	0.29
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	18	0.29
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	6	0.29
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	16	0.29
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	14	0.29
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG23	18	0.29
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	14	0.29
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB1	16	0.29
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG13	14	0.29
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HB2	9	0.29
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	12	0.29
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	2	0.29
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	9	0.29
(3,272)	2:231:A:LEU:HD12	2:231:A:LEU:H	9	0.29
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HB2	4	0.29
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HB2	17	0.29
(3,245)	2:239:A:GLN:HB3	2:240:A:GLN:H	4	0.29
(3,243)	2:239:A:GLN:H	2:238:A:ARG:HB3	14	0.29
(3,232)	2:233:A:SER:HB3	2:235:A:THR:H	12	0.29
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	20	0.29
(3,211)	2:240:A:GLN:HB2	2:241:A:ALA:H	3	0.29
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	8	0.29
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	18	0.29
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	12	0.29
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	13	0.29
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	3	0.29
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	11	0.29
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	16	0.29
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	1	0.29
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	14	0.29
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	5	0.29
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	9	0.29
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	11	0.29
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	14	0.29
(3,154)	2:321:A:MET:HE2	2:333:A:TYR:HA	1	0.29
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	11	0.29
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	11	0.29
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	17	0.29
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	7	0.29
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	19	0.29
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	13	0.29
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	2	0.29
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	13	0.29
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	16	0.29
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG21	2	0.29
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	10	0.29
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	14	0.29
(3,12)	2:284:A:MET:HE3	2:336:A:ARG:HB2	4	0.29
(3,12)	2:284:A:MET:HE1	2:336:A:ARG:HB2	17	0.29
(3,6)	2:251:A:THR:HB	2:251:A:THR:HG21	10	0.29
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	15	0.28
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	4	0.28
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	20	0.28
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	12	0.28
(4,4355)	2:302:A:LYS:HA	2:302:A:LYS:HG2	10	0.28
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE2	15	0.28
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG21	18	0.28
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	2	0.28
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	13	0.28
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	2	0.28
(4,4259)	2:258:A:ILE:HD11	2:333:A:TYR:HA	8	0.28
(4,4254)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	8	0.28
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	8	0.28
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	16	0.28
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	2	0.28
(4,4173)	2:284:A:MET:HE1	2:321:A:MET:HG2	3	0.28
(4,4171)	2:284:A:MET:HE1	2:288:A:GLY:H	11	0.28
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG12	18	0.28
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	1	0.28
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	2	0.28
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	4	0.28
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	11	0.28
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	17	0.28
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	5	0.28
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	6	0.28
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	8	0.28
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	15	0.28
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG21	8	0.28
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	12	0.28
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	7	0.28
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	15	0.28
(4,3970)	1:6:B:ILE:HG22	2:262:A:VAL:HG21	9	0.28
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	15	0.28
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	15	0.28
(4,3935)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	17	0.28
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	3	0.28
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	8	0.28
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	12	0.28
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD21	13	0.28
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	3	0.28
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	4	0.28
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	5	0.28
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	9	0.28
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	10	0.28
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	14	0.28
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	18	0.28
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	4	0.28
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG23	9	0.28
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	11	0.28
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	19	0.28
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	4	0.28
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	7	0.28
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	15	0.28
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD21	18	0.28
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	19	0.28
(4,3796)	2:261:A:LEU:HD11	2:261:A:LEU:H	2	0.28
(4,3796)	2:261:A:LEU:HD13	2:261:A:LEU:H	14	0.28
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	20	0.28
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	17	0.28
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	20	0.28
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	16	0.28
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	18	0.28
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	19	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	2	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	3	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	5	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	6	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	7	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	8	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	11	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	12	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	14	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	15	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	17	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	18	0.28
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	19	0.28
(4,3751)	2:270:A:PRO:HB2	2:270:A:PRO:HA	8	0.28
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	7	0.28
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	10	0.28
(4,3724)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	12	0.28
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	20	0.28
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	7	0.28
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	9	0.28
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	14	0.28
(4,3660)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	12	0.28
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	15	0.28
(4,3648)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	14	0.28
(4,3560)	2:281:A:LEU:HD11	2:335:A:GLN:HA	5	0.28
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	13	0.28
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	5	0.28
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	16	0.28
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	4	0.28
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	10	0.28
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	17	0.28
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	6	0.28
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	20	0.28
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	6	0.28
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	16	0.28
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	4	0.28
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	6	0.28
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	16	0.28
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	18	0.28
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	17	0.28
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	19	0.28
(4,3338)	2:328:A:THR:HG21	2:324:A:LEU:HB2	3	0.28
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	14	0.28
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE1	8	0.28
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	19	0.28
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	7	0.28
(4,3263)	2:276:A:MET:HE1	2:272:A:ALA:HA	15	0.28
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	10	0.28
(4,3230)	2:243:A:ALA:HA	2:243:A:ALA:HB2	19	0.28
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	2	0.28
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB1	3	0.28
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	11	0.28
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	17	0.28
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	17	0.28
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	10	0.28
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	1	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	4	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG12	6	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	7	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	9	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	14	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG11	18	0.28
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	19	0.28
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	6	0.28
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB1	11	0.28
(4,3159)	2:309:A:VAL:HA	2:293:A:ALA:HB3	14	0.28
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	10	0.28
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	6	0.28
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	11	0.28
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	12	0.28
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	19	0.28
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	6	0.28
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	18	0.28
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	14	0.28
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG21	7	0.28
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	18	0.28
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	12	0.28
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG11	8	0.28
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	3	0.28
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	15	0.28
(4,2853)	2:334:A:ARG:HD2	2:330:A:ASP:HA	13	0.28
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	5	0.28
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	19	0.28
(4,2830)	2:332:A:LEU:HD12	2:332:A:LEU:HD21	8	0.28
(4,2805)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	7	0.28
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB1	17	0.28
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB2	19	0.28
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	17	0.28
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD13	4	0.28
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	17	0.28
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	13	0.28
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	5	0.28
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	11	0.28
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	14	0.28
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	18	0.28
(4,2324)	2:295:A:VAL:HG21	2:297:A:ARG:H	15	0.28
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	3	0.28
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	11	0.28
(4,2248)	2:252:A:GLY:H	2:250:A:VAL:HG13	20	0.28
(4,2209)	2:328:A:THR:H	2:326:A:ARG:HB2	10	0.28
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	2	0.28
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	12	0.28
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	17	0.28
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	2	0.28
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	2	0.28
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	14	0.28
(4,2023)	2:276:A:MET:HE3	2:272:A:ALA:HA	20	0.28
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	17	0.28
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	7	0.28
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	2	0.28
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	11	0.28
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	2	0.28
(4,1986)	2:315:A:VAL:HG11	2:314:A:ASN:H	11	0.28
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	13	0.28
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG23	4	0.28
(4,1962)	2:332:A:LEU:HD13	2:251:A:THR:HG21	13	0.28
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD22	9	0.28
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	3	0.28
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	6	0.28
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	19	0.28
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	2	0.28
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	10	0.28
(4,1777)	2:299:A:SER:HB3	2:301:A:ASP:H	3	0.28
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	14	0.28
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	9	0.28
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	12	0.28
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	9	0.28
(4,1452)	2:250:A:VAL:HG22	2:251:A:THR:H	3	0.28
(4,1452)	2:250:A:VAL:HG21	2:251:A:THR:H	6	0.28
(4,1452)	2:250:A:VAL:HG21	2:251:A:THR:H	14	0.28
(4,1440)	2:328:A:THR:H	2:329:A:PHE:HD2	9	0.28
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	18	0.28
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	20	0.28
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG11	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	14	0.28
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	4	0.28
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB3	8	0.28
(4,1220)	2:276:A:MET:HE3	2:304:A:PHE:HD1	19	0.28
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	4	0.28
(4,1216)	2:325:A:PRO:HD3	2:328:A:THR:HG21	7	0.28
(4,1199)	2:326:A:ARG:HD2	2:329:A:PHE:HD2	15	0.28
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	3	0.28
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	20	0.28
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG22	9	0.28
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	13	0.28
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	19	0.28
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	8	0.28
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	12	0.28
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	18	0.28
(4,1143)	2:343:A:GLU:HB2	2:343:A:GLU:H	8	0.28
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	2	0.28
(4,1131)	2:323:A:GLN:H	2:323:A:GLN:HB3	3	0.28
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	20	0.28
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	6	0.28
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	7	0.28
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	11	0.28
(4,1061)	2:347:A:LEU:HD11	2:347:A:LEU:HA	5	0.28
(4,1059)	2:282:A:ILE:HG21	2:336:A:ARG:H	13	0.28
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	14	0.28
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	20	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	3	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	5	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	6	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	12	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	13	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	17	0.28
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	20	0.28
(4,1032)	2:276:A:MET:HE1	2:272:A:ALA:HA	15	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	4	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG22	5	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	8	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	10	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	11	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	12	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG22	16	0.28
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG22	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	19	0.28
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	17	0.28
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	6	0.28
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	16	0.28
(4,909)	2:322:A:GLN:HE22	2:287:A:ASP:HB3	14	0.28
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	3	0.28
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	4	0.28
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	5	0.28
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	6	0.28
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	8	0.28
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	10	0.28
(4,885)	2:276:A:MET:HE1	2:301:A:ASP:H	1	0.28
(4,885)	2:276:A:MET:HE3	2:301:A:ASP:H	19	0.28
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	15	0.28
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	16	0.28
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	6	0.28
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	11	0.28
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	16	0.28
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	5	0.28
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	12	0.28
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	17	0.28
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	8	0.28
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	17	0.28
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	20	0.28
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	15	0.28
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	3	0.28
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	10	0.28
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	12	0.28
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	20	0.28
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	8	0.28
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	2	0.28
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	6	0.28
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	18	0.28
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	19	0.28
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	1	0.28
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	13	0.28
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	20	0.28
(4,621)	2:332:A:LEU:H	2:332:A:LEU:HB3	2	0.28
(4,604)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	14	0.28
(4,553)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	16	0.28
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG12	15	0.28
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	15	0.28
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	16	0.28
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	20	0.28
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	8	0.28
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	9	0.28
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	20	0.28
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	10	0.28
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	12	0.28
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	13	0.28
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	13	0.28
(4,430)	2:285:A:LEU:HD21	2:285:A:LEU:HA	10	0.28
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	16	0.28
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	3	0.28
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	11	0.28
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE1	20	0.28
(4,366)	2:285:A:LEU:HD22	2:285:A:LEU:HB2	7	0.28
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	15	0.28
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	12	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	1	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	5	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG12	8	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG12	11	0.28
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	13	0.28
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	10	0.28
(4,329)	2:321:A:MET:HE3	2:321:A:MET:HA	2	0.28
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	10	0.28
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB2	12	0.28
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	9	0.28
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	1	0.28
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	14	0.28
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	8	0.28
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	13	0.28
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	14	0.28
(4,250)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	6	0.28
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	13	0.28
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	14	0.28
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	17	0.28
(4,231)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	13	0.28
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	10	0.28
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	8	0.28
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	16	0.28
(4,187)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	9	0.28
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	13	0.28
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	6	0.28
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD13	13	0.28
(4,73)	2:251:A:THR:HA	2:332:A:LEU:HD21	18	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	4	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	6	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	8	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	10	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	13	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	14	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	18	0.28
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	19	0.28
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD22	19	0.28
(4,12)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	2	0.28
(4,12)	2:324:A:LEU:HD21	2:324:A:LEU:HB2	10	0.28
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	12	0.28
(4,12)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	13	0.28
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	15	0.28
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD11	18	0.28
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	20	0.28
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	1	0.28
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	14	0.28
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	15	0.28
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	10	0.28
(3,510)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	18	0.28
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	11	0.28
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	3	0.28
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	4	0.28
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	16	0.28
(3,471)	2:238:A:ARG:HG2	2:238:A:ARG:H	4	0.28
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	3	0.28
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	3	0.28
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	6	0.28
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	13	0.28
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	2	0.28
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	7	0.28
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	13	0.28
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	16	0.28
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	19	0.28
(3,427)	2:315:A:VAL:HG13	2:265:A:GLN:HB3	3	0.28
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD13	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	5	0.28
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD23	4	0.28
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG3	3	0.28
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	4	0.28
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	7	0.28
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	11	0.28
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	18	0.28
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	19	0.28
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG23	8	0.28
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	5	0.28
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	16	0.28
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	3	0.28
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	4	0.28
(3,306)	2:323:A:GLN:H	2:323:A:GLN:HB2	5	0.28
(3,285)	2:230:A:GLU:H	2:230:A:GLU:HG3	5	0.28
(3,285)	2:230:A:GLU:H	2:230:A:GLU:HG3	11	0.28
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	3	0.28
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	4	0.28
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	13	0.28
(3,271)	2:231:A:LEU:HB2	2:231:A:LEU:H	12	0.28
(3,271)	2:231:A:LEU:HB2	2:231:A:LEU:H	16	0.28
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	1	0.28
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	5	0.28
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	7	0.28
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	9	0.28
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	18	0.28
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	19	0.28
(3,243)	2:238:A:ARG:HB2	2:239:A:GLN:H	8	0.28
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	5	0.28
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	15	0.28
(3,208)	2:243:A:ALA:HA	2:243:A:ALA:H	11	0.28
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	4	0.28
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	16	0.28
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	4	0.28
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	10	0.28
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	20	0.28
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG12	20	0.28
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	4	0.28
(3,177)	2:272:A:ALA:H	2:345:A:LEU:HD11	16	0.28
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	12	0.28
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	18	0.28
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,139)	2:343:A:GLU:HG3	2:344:A:ASP:H	17	0.28
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	4	0.28
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	8	0.28
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	15	0.28
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG2	5	0.28
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	17	0.28
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD3	15	0.28
(3,94)	2:289:A:THR:HG21	2:290:A:ILE:HB	3	0.28
(3,94)	2:289:A:THR:HG23	2:290:A:ILE:HB	17	0.28
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	4	0.28
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	15	0.28
(3,61)	2:338:A:ILE:HG23	2:339:A:ILE:H	5	0.28
(3,57)	2:254:A:LEU:HD21	2:324:A:LEU:HG	16	0.28
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	2	0.28
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	3	0.28
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	1	0.27
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG12	12	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	1	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	2	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	5	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	9	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	13	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	19	0.27
(4,4361)	2:319:A:PRO:HG2	2:319:A:PRO:HA	20	0.27
(4,4349)	2:276:A:MET:HE3	2:273:A:ARG:H	4	0.27
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	8	0.27
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	9	0.27
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	10	0.27
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	14	0.27
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	1	0.27
(4,4238)	2:343:A:GLU:HB2	2:343:A:GLU:H	13	0.27
(4,4238)	2:343:A:GLU:HB2	2:343:A:GLU:H	17	0.27
(4,4237)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	18	0.27
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	6	0.27
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	18	0.27
(4,4173)	2:284:A:MET:HE2	2:321:A:MET:HG2	20	0.27
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE2	20	0.27
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	7	0.27
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	9	0.27
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	12	0.27
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	13	0.27
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	9	0.27
(4,4137)	2:347:A:LEU:HD11	2:347:A:LEU:HA	10	0.27
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB2	18	0.27
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	3	0.27
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	12	0.27
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	7	0.27
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	13	0.27
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	3	0.27
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	6	0.27
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	11	0.27
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	4	0.27
(4,3907)	2:281:A:LEU:HD12	2:337:A:ARG:HD2	13	0.27
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	18	0.27
(4,3904)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	7	0.27
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	1	0.27
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	9	0.27
(4,3885)	2:294:A:SER:H	2:294:A:SER:HB3	13	0.27
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	9	0.27
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	15	0.27
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	20	0.27
(4,3858)	2:321:A:MET:HE2	2:288:A:GLY:HA2	7	0.27
(4,3852)	2:321:A:MET:HE3	2:321:A:MET:H	2	0.27
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	10	0.27
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	11	0.27
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	13	0.27
(4,3796)	2:261:A:LEU:HD12	2:261:A:LEU:H	6	0.27
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	3	0.27
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	11	0.27
(4,3774)	2:260:A:ASN:HB3	2:260:A:ASN:HA	1	0.27
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	19	0.27
(4,3718)	2:277:A:SER:H	2:276:A:MET:HG3	17	0.27
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	18	0.27
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	11	0.27
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	16	0.27
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	8	0.27
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	11	0.27
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	4	0.27
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	7	0.27
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	9	0.27
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	20	0.27
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	4	0.27
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	4	0.27
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	7	0.27
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	15	0.27
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	16	0.27
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	19	0.27
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	2	0.27
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	14	0.27
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	7	0.27
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	3	0.27
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	19	0.27
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	20	0.27
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	20	0.27
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG23	9	0.27
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG21	10	0.27
(4,3334)	1:1:B:ALA:HB3	2:336:A:ARG:HD3	16	0.27
(4,3325)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	19	0.27
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	20	0.27
(4,3318)	2:285:A:LEU:HD22	2:285:A:LEU:HA	3	0.27
(4,3290)	2:272:A:ALA:HB2	2:304:A:PHE:HA	11	0.27
(4,3290)	2:272:A:ALA:HB2	2:304:A:PHE:HA	18	0.27
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	5	0.27
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	19	0.27
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE1	11	0.27
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	10	0.27
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	20	0.27
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	3	0.27
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	20	0.27
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	4	0.27
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	17	0.27
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG13	16	0.27
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB2	14	0.27
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	19	0.27
(4,3169)	2:321:A:MET:HE2	2:321:A:MET:HA	16	0.27
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	9	0.27
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	10	0.27
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	16	0.27
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	10	0.27
(4,3091)	2:328:A:THR:HB	2:325:A:PRO:HB3	12	0.27
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	17	0.27
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	2	0.27
(4,3069)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	7	0.27
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	17	0.27
(4,3035)	2:249:A:GLU:HA	2:249:A:GLU:HB2	16	0.27
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	17	0.27
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	12	0.27
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG12	20	0.27
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	1	0.27
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.27
(4,2933)	1:7:B:SER:HA	2:342:A:PRO:HA	4	0.27
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	19	0.27
(4,2921)	2:347:A:LEU:HD11	2:346:A:SER:HB3	10	0.27
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	5	0.27
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	10	0.27
(4,2870)	2:251:A:THR:HA	2:332:A:LEU:HD23	5	0.27
(4,2853)	2:334:A:ARG:HD2	2:330:A:ASP:HA	2	0.27
(4,2853)	2:334:A:ARG:HD2	2:330:A:ASP:HA	8	0.27
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	4	0.27
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	9	0.27
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	14	0.27
(4,2831)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	20	0.27
(4,2830)	2:332:A:LEU:HD13	2:332:A:LEU:HD21	18	0.27
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	1	0.27
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	8	0.27
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	9	0.27
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	17	0.27
(4,2805)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	4	0.27
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	17	0.27
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB3	3	0.27
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	1	0.27
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	16	0.27
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	9	0.27
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	2	0.27
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	11	0.27
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB1	7	0.27
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	14	0.27
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	2	0.27
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	6	0.27
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	9	0.27
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	5	0.27
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	9	0.27
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	11	0.27
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	8	0.27
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2070)	2:347:A:LEU:H	2:274:A:ASN:HD22	15	0.27
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	10	0.27
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	20	0.27
(4,2025)	2:338:A:ILE:H	2:282:A:ILE:HD13	4	0.27
(4,2023)	2:276:A:MET:HE2	2:272:A:ALA:HA	4	0.27
(4,2023)	2:276:A:MET:HE1	2:272:A:ALA:HA	5	0.27
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	2	0.27
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	14	0.27
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	3	0.27
(4,1986)	2:315:A:VAL:HG11	2:314:A:ASN:H	9	0.27
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	10	0.27
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	12	0.27
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	16	0.27
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	19	0.27
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG22	6	0.27
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	10	0.27
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	20	0.27
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	1	0.27
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB3	3	0.27
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB1	17	0.27
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB2	19	0.27
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	17	0.27
(4,1722)	2:258:A:ILE:HD11	2:257:A:LEU:H	1	0.27
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	17	0.27
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	4	0.27
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	11	0.27
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	18	0.27
(4,1533)	2:295:A:VAL:HG21	2:297:A:ARG:H	15	0.27
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	3	0.27
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	11	0.27
(4,1465)	2:252:A:GLY:H	2:250:A:VAL:HG13	20	0.27
(4,1432)	2:328:A:THR:H	2:326:A:ARG:HB2	10	0.27
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	2	0.27
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	12	0.27
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	17	0.27
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	2	0.27
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	2	0.27
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	14	0.27
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	19	0.27
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	11	0.27
(4,1242)	1:6:B:ILE:HD13	1:6:B:ILE:H	18	0.27
(4,1240)	2:267:A:ARG:H	2:311:A:ALA:HB1	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1224)	2:284:A:MET:HE3	2:288:A:GLY:HA3	2	0.27
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	15	0.27
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	11	0.27
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	14	0.27
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	8	0.27
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	13	0.27
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	13	0.27
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	13	0.27
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB3	5	0.27
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB2	18	0.27
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	5	0.27
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	11	0.27
(4,1138)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	15	0.27
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	1	0.27
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	17	0.27
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	14	0.27
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	16	0.27
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	19	0.27
(4,1088)	2:284:A:MET:HE3	2:288:A:GLY:H	10	0.27
(4,1080)	2:262:A:VAL:H	2:258:A:ILE:HG21	4	0.27
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	7	0.27
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	3	0.27
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	19	0.27
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	19	0.27
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	4	0.27
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	14	0.27
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	19	0.27
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB3	17	0.27
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	1	0.27
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	2	0.27
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG21	7	0.27
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	14	0.27
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	1	0.27
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	3	0.27
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	5	0.27
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	6	0.27
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	20	0.27
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD12	11	0.27
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	18	0.27
(4,976)	2:339:A:ILE:HG22	2:277:A:SER:HB3	1	0.27
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	11	0.27
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	1	0.27
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	7	0.27
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	19	0.27
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE2	6	0.27
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	8	0.27
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	5	0.27
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG12	8	0.27
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG12	11	0.27
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG12	12	0.27
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG12	15	0.27
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	19	0.27
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	6	0.27
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	9	0.27
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	2	0.27
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD23	11	0.27
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	14	0.27
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	16	0.27
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	3	0.27
(4,786)	2:261:A:LEU:HD13	2:261:A:LEU:H	7	0.27
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	13	0.27
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	16	0.27
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	18	0.27
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	5	0.27
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	15	0.27
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	6	0.27
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	10	0.27
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	17	0.27
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	13	0.27
(4,586)	2:341:A:LYS:HB3	2:339:A:ILE:HG21	14	0.27
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	1	0.27
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	20	0.27
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	19	0.27
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	4	0.27
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	19	0.27
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	14	0.27
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	17	0.27
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	11	0.27
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	3	0.27
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	5	0.27
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD13	9	0.27
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	1	0.27
(4,439)	2:328:A:THR:HG23	2:324:A:LEU:HB2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,430)	2:285:A:LEU:HD21	2:285:A:LEU:HA	19	0.27
(4,429)	2:295:A:VAL:HG11	2:278:A:VAL:HG11	9	0.27
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	1	0.27
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	14	0.27
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	5	0.27
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG23	15	0.27
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	17	0.27
(4,373)	2:243:A:ALA:HA	2:243:A:ALA:HB2	19	0.27
(4,343)	2:281:A:LEU:HD12	2:336:A:ARG:HA	11	0.27
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	4	0.27
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	16	0.27
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	1	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG12	6	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	7	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	9	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG12	12	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	14	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	18	0.27
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	19	0.27
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	6	0.27
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB1	11	0.27
(4,321)	2:309:A:VAL:HA	2:293:A:ALA:HB3	14	0.27
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	6	0.27
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD12	7	0.27
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	15	0.27
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	18	0.27
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	14	0.27
(4,231)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	5	0.27
(4,231)	2:258:A:ILE:HG21	2:336:A:ARG:HD3	6	0.27
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	10	0.27
(4,187)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	1	0.27
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	15	0.27
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	11	0.27
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD13	16	0.27
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	10	0.27
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	12	0.27
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD11	13	0.27
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	19	0.27
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD23	2	0.27
(4,33)	2:332:A:LEU:HD12	2:332:A:LEU:HD21	8	0.27
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	9	0.27
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	19	0.27
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	10	0.27
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	5	0.27
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	6	0.27
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	12	0.27
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	5	0.27
(3,545)	2:341:A:LYS:HD3	2:341:A:LYS:HA	7	0.27
(3,543)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	4	0.27
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG22	4	0.27
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG23	10	0.27
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	2	0.27
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	6	0.27
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	14	0.27
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	9	0.27
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	3	0.27
(3,491)	2:341:A:LYS:HD3	2:341:A:LYS:HA	14	0.27
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	10	0.27
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	8	0.27
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	13	0.27
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	14	0.27
(3,470)	2:238:A:ARG:HB2	2:238:A:ARG:H	17	0.27
(3,469)	2:248:A:SER:HB2	2:248:A:SER:H	6	0.27
(3,465)	2:235:A:THR:H	2:233:A:SER:HB2	4	0.27
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	7	0.27
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	8	0.27
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	14	0.27
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	13	0.27
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	1	0.27
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	10	0.27
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	8	0.27
(3,432)	2:306:A:SER:HB2	2:308:A:ALA:H	17	0.27
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	5	0.27
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	17	0.27
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG22	15	0.27
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	18	0.27
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	15	0.27
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD13	20	0.27
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	1	0.27
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	12	0.27
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	13	0.27
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	16	0.27
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG3	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	7	0.27
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	2	0.27
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	12	0.27
(3,378)	2:257:A:LEU:HD22	2:260:A:ASN:HB3	1	0.27
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	2	0.27
(3,354)	2:284:A:MET:HE2	2:336:A:ARG:HB2	2	0.27
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	6	0.27
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	20	0.27
(3,316)	2:240:A:GLN:HB2	2:241:A:ALA:H	2	0.27
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	10	0.27
(3,298)	2:243:A:ALA:HA	2:243:A:ALA:H	16	0.27
(3,271)	2:231:A:LEU:HB2	2:231:A:LEU:H	11	0.27
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	3	0.27
(3,245)	2:239:A:GLN:HB3	2:240:A:GLN:H	6	0.27
(3,242)	2:238:A:ARG:HG2	2:238:A:ARG:H	4	0.27
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	3	0.27
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	4	0.27
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	1	0.27
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	2	0.27
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	5	0.27
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	6	0.27
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	10	0.27
(3,198)	2:282:A:ILE:H	2:281:A:LEU:HG	19	0.27
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	3	0.27
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	2	0.27
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	7	0.27
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	13	0.27
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	16	0.27
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	19	0.27
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	18	0.27
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	4	0.27
(3,131)	2:304:A:PHE:HA	2:269:A:PRO:HB3	15	0.27
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	12	0.27
(3,124)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	18	0.27
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	3	0.27
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	5	0.27
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	3	0.27
(3,90)	2:318:A:ILE:H	2:261:A:LEU:HD13	19	0.27
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	14	0.27
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	20	0.27
(3,38)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	8	0.27
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	2:341:A:LYS:HD3	2:341:A:LYS:HA	7	0.27
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	5	0.26
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	16	0.26
(4,4355)	2:302:A:LYS:HA	2:302:A:LYS:HG2	20	0.26
(4,4254)	1:1:B:ALA:HB2	2:336:A:ARG:HD3	9	0.26
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	12	0.26
(4,4231)	2:280:A:VAL:HG13	2:281:A:LEU:H	14	0.26
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	10	0.26
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	16	0.26
(4,4153)	2:265:A:GLN:HG3	2:265:A:GLN:H	20	0.26
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB3	15	0.26
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	16	0.26
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	18	0.26
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	6	0.26
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	8	0.26
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	18	0.26
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	20	0.26
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	8	0.26
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	20	0.26
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	7	0.26
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	19	0.26
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	20	0.26
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	12	0.26
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	14	0.26
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	5	0.26
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	13	0.26
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD23	5	0.26
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD22	12	0.26
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	1	0.26
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	6	0.26
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	18	0.26
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	13	0.26
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	1	0.26
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB1	15	0.26
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB1	18	0.26
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	4	0.26
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	17	0.26
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	1	0.26
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	14	0.26
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD23	10	0.26
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	12	0.26
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	1	0.26
(4,3768)	1:6:B:ILE:HA	2:259:A:VAL:HG12	6	0.26
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	1	0.26
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	5	0.26
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	11	0.26
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	2	0.26
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	15	0.26
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	6	0.26
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	11	0.26
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	20	0.26
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	14	0.26
(4,3490)	2:254:A:LEU:HD23	2:254:A:LEU:HA	7	0.26
(4,3490)	2:254:A:LEU:HD23	2:254:A:LEU:HA	11	0.26
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	15	0.26
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	18	0.26
(4,3476)	2:249:A:GLU:H	2:249:A:GLU:HB3	16	0.26
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	3	0.26
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	14	0.26
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	11	0.26
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	17	0.26
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	18	0.26
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	10	0.26
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	3	0.26
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	10	0.26
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	19	0.26
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	6	0.26
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG23	8	0.26
(4,3318)	2:285:A:LEU:HD23	2:285:A:LEU:HA	20	0.26
(4,3290)	2:272:A:ALA:HB2	2:304:A:PHE:HA	9	0.26
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	16	0.26
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	13	0.26
(4,3263)	2:276:A:MET:HE3	2:272:A:ALA:HA	6	0.26
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	2	0.26
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB1	12	0.26
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	16	0.26
(4,3189)	2:276:A:MET:HE1	2:301:A:ASP:HB3	15	0.26
(4,3185)	2:281:A:LEU:HD13	2:296:A:SER:HB2	5	0.26
(4,3175)	2:295:A:VAL:HA	2:295:A:VAL:HG12	15	0.26
(4,3172)	2:321:A:MET:HE2	2:288:A:GLY:HA2	2	0.26
(4,3156)	2:289:A:THR:HG21	2:317:A:ARG:HD2	6	0.26
(4,3155)	2:289:A:THR:HG21	2:317:A:ARG:HA	7	0.26
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3147)	1:6:B:ILE:HD13	2:259:A:VAL:HA	12	0.26
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	12	0.26
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG22	3	0.26
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	14	0.26
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG22	19	0.26
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	4	0.26
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	10	0.26
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	1	0.26
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	11	0.26
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	19	0.26
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	6	0.26
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	6	0.26
(4,2928)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	2	0.26
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	8	0.26
(4,2921)	2:347:A:LEU:HD12	2:346:A:SER:HB3	14	0.26
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	12	0.26
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	12	0.26
(4,2865)	2:336:A:ARG:HD2	2:336:A:ARG:HA	10	0.26
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	10	0.26
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	5	0.26
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	13	0.26
(4,2759)	2:307:A:SER:H	2:308:A:ALA:HB3	1	0.26
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	17	0.26
(4,2724)	2:331:A:SER:H	2:332:A:LEU:HD22	9	0.26
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	12	0.26
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD22	16	0.26
(4,2696)	2:317:A:ARG:H	2:315:A:VAL:HG21	18	0.26
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	5	0.26
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	2	0.26
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB2	5	0.26
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB2	19	0.26
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB3	19	0.26
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	14	0.26
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	9	0.26
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	17	0.26
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	5	0.26
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	9	0.26
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	10	0.26
(4,2441)	2:342:A:PRO:HB2	2:343:A:GLU:H	4	0.26
(4,2392)	2:241:A:ALA:HB2	2:241:A:ALA:H	5	0.26
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	16	0.26
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	17	0.26
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	10	0.26
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	8	0.26
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	6	0.26
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	5	0.26
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	12	0.26
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	10	0.26
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	17	0.26
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	7	0.26
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	1	0.26
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	13	0.26
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	7	0.26
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	17	0.26
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE2	8	0.26
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	20	0.26
(4,1962)	2:332:A:LEU:HD11	2:251:A:THR:HG21	12	0.26
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	2	0.26
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	13	0.26
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	4	0.26
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	5	0.26
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	1	0.26
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD13	4	0.26
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	9	0.26
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	2	0.26
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	11	0.26
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB1	7	0.26
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	9	0.26
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	14	0.26
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	13	0.26
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE3	5	0.26
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	6	0.26
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	14	0.26
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	9	0.26
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	5	0.26
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	9	0.26
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	11	0.26
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	8	0.26
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	12	0.26
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	10	0.26
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	20	0.26
(4,1295)	1:10:B:ASN:HD22	1:12:B:ARG:H	10	0.26
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	18	0.26
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	20	0.26
(4,1188)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	15	0.26
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	12	0.26
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	16	0.26
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	2	0.26
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	7	0.26
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	11	0.26
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG21	20	0.26
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD22	2	0.26
(4,1180)	2:335:A:GLN:HE21	2:281:A:LEU:HD23	20	0.26
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	8	0.26
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	2	0.26
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	3	0.26
(4,1095)	2:333:A:TYR:HB2	2:284:A:MET:HE2	2	0.26
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG12	10	0.26
(4,1079)	2:258:A:ILE:HD11	2:259:A:VAL:H	2	0.26
(4,1079)	2:258:A:ILE:HD13	2:259:A:VAL:H	6	0.26
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	3	0.26
(4,1073)	2:265:A:GLN:HE22	2:265:A:GLN:HG3	4	0.26
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	1	0.26
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	9	0.26
(4,1032)	2:276:A:MET:HE3	2:272:A:ALA:HA	6	0.26
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB1	1	0.26
(4,1003)	2:259:A:VAL:HB	2:258:A:ILE:HG23	17	0.26
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG23	18	0.26
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	4	0.26
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	7	0.26
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	9	0.26
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	14	0.26
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB1	18	0.26
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	9	0.26
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	11	0.26
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	12	0.26
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	16	0.26
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	18	0.26
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	18	0.26
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	3	0.26
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	13	0.26
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	13	0.26
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	4	0.26
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	7	0.26
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	8	0.26
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	11	0.26
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	12	0.26
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	2	0.26
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	4	0.26
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	6	0.26
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	7	0.26
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	1	0.26
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD23	5	0.26
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	6	0.26
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	1	0.26
(4,786)	2:261:A:LEU:HD13	2:261:A:LEU:H	8	0.26
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	11	0.26
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	17	0.26
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	19	0.26
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	4	0.26
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	7	0.26
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	17	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	4	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	9	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	10	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	13	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	19	0.26
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	20	0.26
(4,748)	2:270:A:PRO:HB2	2:270:A:PRO:HA	8	0.26
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	12	0.26
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	13	0.26
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	20	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	2	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	3	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	4	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	6	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	7	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	9	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	10	0.26
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	16	0.26
(4,673)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	8	0.26
(4,557)	2:254:A:LEU:HD23	2:254:A:LEU:HA	15	0.26
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	17	0.26
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	3	0.26
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	6	0.26
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	9	0.26
(4,512)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	14	0.26
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	16	0.26
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	7	0.26
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	8	0.26
(4,439)	2:328:A:THR:HG21	2:324:A:LEU:HB2	3	0.26
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	4	0.26
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	14	0.26
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE1	8	0.26
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	2	0.26
(4,387)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	4	0.26
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	8	0.26
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	10	0.26
(4,342)	2:281:A:LEU:HD12	2:296:A:SER:HB2	10	0.26
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	17	0.26
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG11	4	0.26
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG13	16	0.26
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	10	0.26
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	6	0.26
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	11	0.26
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	17	0.26
(4,266)	2:328:A:THR:HB	2:325:A:PRO:HB3	12	0.26
(4,250)	2:324:A:LEU:HD12	2:329:A:PHE:HD1	7	0.26
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG21	7	0.26
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	17	0.26
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	18	0.26
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	12	0.26
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG11	8	0.26
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	3	0.26
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	11	0.26
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	6	0.26
(4,57)	2:334:A:ARG:HD2	2:330:A:ASP:HA	13	0.26
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	4	0.26
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	5	0.26
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	9	0.26
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	14	0.26
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	5	0.26
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	12	0.26
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	16	0.26
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD22	20	0.26
(4,33)	2:332:A:LEU:HD13	2:332:A:LEU:HD21	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	1	0.26
(4,12)	2:324:A:LEU:HD23	2:324:A:LEU:HB2	4	0.26
(4,12)	2:324:A:LEU:HD22	2:324:A:LEU:HB2	7	0.26
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	6	0.26
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	10	0.26
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	2	0.26
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	17	0.26
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	20	0.26
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	3	0.26
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	7	0.26
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	8	0.26
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	14	0.26
(3,554)	2:302:A:LYS:H	2:302:A:LYS:HD3	6	0.26
(3,545)	2:341:A:LYS:HD3	2:341:A:LYS:HA	14	0.26
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	11	0.26
(3,518)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	13	0.26
(3,518)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	15	0.26
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	7	0.26
(3,516)	2:238:A:ARG:HG3	2:238:A:ARG:HA	2	0.26
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	1	0.26
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	11	0.26
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	12	0.26
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	11	0.26
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	17	0.26
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG3	7	0.26
(3,465)	2:233:A:SER:HB3	2:235:A:THR:H	20	0.26
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	5	0.26
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	8	0.26
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD12	6	0.26
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	2	0.26
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	8	0.26
(3,391)	2:338:A:ILE:HG23	2:339:A:ILE:H	9	0.26
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	1	0.26
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	20	0.26
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	8	0.26
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	10	0.26
(3,372)	2:289:A:THR:HG22	2:290:A:ILE:HB	16	0.26
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	2	0.26
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	12	0.26
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	13	0.26
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	8	0.26
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	20	0.26
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	6	0.26
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	11	0.26
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	17	0.26
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	20	0.26
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	10	0.26
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	4	0.26
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	8	0.26
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	16	0.26
(3,241)	2:238:A:ARG:HB2	2:238:A:ARG:H	17	0.26
(3,238)	2:248:A:SER:HB2	2:248:A:SER:H	6	0.26
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	7	0.26
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	8	0.26
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	14	0.26
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	13	0.26
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	11	0.26
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	18	0.26
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	3	0.26
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	2	0.26
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	16	0.26
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	1	0.26
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	10	0.26
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	6	0.26
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	13	0.26
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	8	0.26
(3,163)	2:306:A:SER:HB2	2:308:A:ALA:H	17	0.26
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG2	11	0.26
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD2	20	0.26
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	8	0.26
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	12	0.26
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	8	0.26
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	12	0.26
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	2	0.26
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	4	0.26
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	12	0.26
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	13	0.26
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG23	10	0.26
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	6	0.26
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	14	0.26
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	9	0.26
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	3	0.26
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	18	0.25
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	2	0.25
(4,4405)	1:7:B:SER:H	1:6:B:ILE:HD11	6	0.25
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	15	0.25
(4,4348)	2:276:A:MET:HA	2:276:A:MET:HE2	19	0.25
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	6	0.25
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	14	0.25
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	10	0.25
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	13	0.25
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG21	20	0.25
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	6	0.25
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	12	0.25
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	17	0.25
(4,4254)	1:1:B:ALA:HB3	2:336:A:ARG:HD3	10	0.25
(4,4253)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	9	0.25
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	3	0.25
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	7	0.25
(4,4186)	2:269:A:PRO:HG2	2:304:A:PHE:HA	11	0.25
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG11	4	0.25
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	12	0.25
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	12	0.25
(4,4100)	2:271:A:SER:HG	2:272:A:ALA:HB1	2	0.25
(4,4064)	1:6:B:ILE:HG22	2:259:A:VAL:HG11	7	0.25
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	19	0.25
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	2	0.25
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	6	0.25
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	7	0.25
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	14	0.25
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	15	0.25
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	16	0.25
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG22	10	0.25
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	1	0.25
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB3	10	0.25
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB3	1	0.25
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	6	0.25
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	9	0.25
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	11	0.25
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	2	0.25
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	4	0.25
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	8	0.25
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	10	0.25
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	16	0.25
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	4	0.25
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	14	0.25
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	2	0.25
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	6	0.25
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	7	0.25
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	14	0.25
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	15	0.25
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD21	8	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	2	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	8	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	10	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	13	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	14	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	16	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	19	0.25
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	20	0.25
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	18	0.25
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB1	4	0.25
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB2	12	0.25
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	3	0.25
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	7	0.25
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	3	0.25
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	9	0.25
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	16	0.25
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	18	0.25
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	15	0.25
(4,3822)	2:296:A:SER:H	2:296:A:SER:HB2	16	0.25
(4,3797)	2:261:A:LEU:H	2:261:A:LEU:HD22	9	0.25
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	13	0.25
(4,3785)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	2	0.25
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	2	0.25
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	8	0.25
(4,3660)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	11	0.25
(4,3656)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	15	0.25
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	3	0.25
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	8	0.25
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	16	0.25
(4,3653)	2:280:A:VAL:H	2:279:A:GLU:HG3	7	0.25
(4,3653)	2:280:A:VAL:H	2:279:A:GLU:HG3	15	0.25
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	4	0.25
(4,3648)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	9	0.25
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	1	0.25
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	5	0.25
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	6	0.25
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	11	0.25
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	9	0.25
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	12	0.25
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	16	0.25
(4,3484)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	19	0.25
(4,3483)	2:250:A:VAL:HG22	2:249:A:GLU:HB2	18	0.25
(4,3480)	2:250:A:VAL:HG13	2:251:A:THR:H	17	0.25
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	9	0.25
(4,3468)	2:249:A:GLU:HA	2:249:A:GLU:HB2	16	0.25
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	13	0.25
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	14	0.25
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	18	0.25
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	9	0.25
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	10	0.25
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	6	0.25
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	11	0.25
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	14	0.25
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	12	0.25
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE1	9	0.25
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	6	0.25
(4,3241)	2:258:A:ILE:HD13	2:321:A:MET:HE2	13	0.25
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE1	13	0.25
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	4	0.25
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	6	0.25
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	5	0.25
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	14	0.25
(4,3196)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	19	0.25
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	8	0.25
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG12	8	0.25
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG13	19	0.25
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	10	0.25
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	10	0.25
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	18	0.25
(4,3163)	2:290:A:ILE:HG23	2:290:A:ILE:HA	19	0.25
(4,3155)	2:289:A:THR:HG23	2:317:A:ARG:HA	15	0.25
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	17	0.25
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	2	0.25
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	8	0.25
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	12	0.25
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	3	0.25
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	14	0.25
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	1	0.25
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	12	0.25
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	1	0.25
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	5	0.25
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	9	0.25
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	13	0.25
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	19	0.25
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	20	0.25
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.25
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	8	0.25
(4,3050)	2:256:A:ASP:HA	2:256:A:ASP:HB3	14	0.25
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG11	5	0.25
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	2	0.25
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	12	0.25
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	9	0.25
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	11	0.25
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	4	0.25
(4,2870)	2:251:A:THR:HA	2:332:A:LEU:HD23	15	0.25
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	2	0.25
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	10	0.25
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	11	0.25
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	2	0.25
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	3	0.25
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	19	0.25
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	1	0.25
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	8	0.25
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	18	0.25
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD12	3	0.25
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	1	0.25
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	3	0.25
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	9	0.25
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	18	0.25
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	9	0.25
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD12	7	0.25
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	6	0.25
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	12	0.25
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	19	0.25
(4,2606)	2:272:A:ALA:HB1	2:271:A:SER:H	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	5	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	4	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	8	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	11	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	15	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	16	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	19	0.25
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	20	0.25
(4,2445)	2:315:A:VAL:HG11	2:262:A:VAL:H	4	0.25
(4,2445)	2:315:A:VAL:HG11	2:262:A:VAL:H	12	0.25
(4,2392)	2:241:A:ALA:HB3	2:241:A:ALA:H	7	0.25
(4,2392)	2:241:A:ALA:HB1	2:241:A:ALA:H	12	0.25
(4,2372)	2:254:A:LEU:H	2:255:A:ASP:HB3	17	0.25
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	6	0.25
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	18	0.25
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	20	0.25
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	8	0.25
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	5	0.25
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	15	0.25
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	7	0.25
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	9	0.25
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	17	0.25
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG22	19	0.25
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	4	0.25
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	19	0.25
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	4	0.25
(4,1986)	2:315:A:VAL:HG11	2:314:A:ASN:H	7	0.25
(4,1986)	2:315:A:VAL:HG12	2:314:A:ASN:H	17	0.25
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	1	0.25
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	11	0.25
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	7	0.25
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	19	0.25
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	5	0.25
(4,1935)	2:258:A:ILE:HD12	2:257:A:LEU:H	8	0.25
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	9	0.25
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	14	0.25
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	15	0.25
(4,1868)	2:307:A:SER:H	2:308:A:ALA:HB3	1	0.25
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	17	0.25
(4,1838)	2:331:A:SER:H	2:332:A:LEU:HD22	9	0.25
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	12	0.25
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD22	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	16	0.25
(4,1814)	2:317:A:ARG:H	2:315:A:VAL:HG21	18	0.25
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	5	0.25
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	15	0.25
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	19	0.25
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	2	0.25
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB2	5	0.25
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB2	19	0.25
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB3	19	0.25
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	14	0.25
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	2	0.25
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	17	0.25
(4,1607)	2:342:A:PRO:HB2	2:343:A:GLU:H	4	0.25
(4,1568)	2:241:A:ALA:HB2	2:241:A:ALA:H	5	0.25
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	16	0.25
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	17	0.25
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	20	0.25
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	8	0.25
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	6	0.25
(4,1326)	2:347:A:LEU:H	2:274:A:ASN:HD22	15	0.25
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	12	0.25
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	4	0.25
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	16	0.25
(4,1232)	2:315:A:VAL:HG11	2:261:A:LEU:HB2	6	0.25
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	10	0.25
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	12	0.25
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	17	0.25
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE3	1	0.25
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE2	15	0.25
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	5	0.25
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	12	0.25
(4,1199)	2:326:A:ARG:HD2	2:329:A:PHE:HD2	1	0.25
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	5	0.25
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	9	0.25
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	10	0.25
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB2	7	0.25
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB1	20	0.25
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	6	0.25
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	16	0.25
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	12	0.25
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	16	0.25
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	2	0.25
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG13	9	0.25
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	6	0.25
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	11	0.25
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	17	0.25
(4,1063)	2:272:A:ALA:HB2	2:345:A:LEU:HD11	12	0.25
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	9	0.25
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	5	0.25
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	11	0.25
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	8	0.25
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	15	0.25
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	12	0.25
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	9	0.25
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	12	0.25
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	3	0.25
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	16	0.25
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	15	0.25
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	5	0.25
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	2	0.25
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	13	0.25
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	10	0.25
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	2	0.25
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	9	0.25
(4,876)	2:281:A:LEU:HD12	2:335:A:GLN:HE21	4	0.25
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	10	0.25
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	3	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	1	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	2	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	9	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	14	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	15	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	17	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	19	0.25
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	20	0.25
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG23	9	0.25
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG22	11	0.25
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	19	0.25
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	3	0.25
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	4	0.25
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	7	0.25
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	15	0.25
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD21	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	19	0.25
(4,786)	2:261:A:LEU:HD11	2:261:A:LEU:H	2	0.25
(4,786)	2:261:A:LEU:HD13	2:261:A:LEU:H	14	0.25
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	17	0.25
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	20	0.25
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	6	0.25
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	8	0.25
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	14	0.25
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	19	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	1	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	2	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	3	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	5	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	6	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	7	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	8	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	11	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	12	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	14	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	15	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	16	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	17	0.25
(4,765)	2:260:A:ASN:HB3	2:260:A:ASN:HA	18	0.25
(4,741)	2:272:A:ALA:HB1	2:276:A:MET:HE1	10	0.25
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	3	0.25
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	14	0.25
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	17	0.25
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	7	0.25
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	14	0.25
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	17	0.25
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	15	0.25
(4,619)	2:332:A:LEU:H	2:332:A:LEU:HD23	17	0.25
(4,605)	2:281:A:LEU:HD13	2:335:A:GLN:HA	13	0.25
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	11	0.25
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	11	0.25
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	13	0.25
(4,553)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	8	0.25
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	16	0.25
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	4	0.25
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	10	0.25
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	7	0.25
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	15	0.25
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD13	18	0.25
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	6	0.25
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	7	0.25
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	19	0.25
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	10	0.25
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	16	0.25
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	18	0.25
(4,430)	2:285:A:LEU:HD22	2:285:A:LEU:HA	3	0.25
(4,415)	2:272:A:ALA:HB2	2:304:A:PHE:HA	18	0.25
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	5	0.25
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	11	0.25
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	3	0.25
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	6	0.25
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	20	0.25
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	4	0.25
(4,334)	2:295:A:VAL:HA	2:295:A:VAL:HG12	15	0.25
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB2	14	0.25
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	19	0.25
(4,329)	2:321:A:MET:HE2	2:321:A:MET:HA	16	0.25
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	9	0.25
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	16	0.25
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD2	2	0.25
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	11	0.25
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	17	0.25
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	6	0.25
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	12	0.25
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG12	20	0.25
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	1	0.25
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	20	0.25
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	8	0.25
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	19	0.25
(4,122)	2:347:A:LEU:HD11	2:346:A:SER:HB3	10	0.25
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	1	0.25
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	10	0.25
(4,73)	2:251:A:THR:HA	2:332:A:LEU:HD23	5	0.25
(4,57)	2:334:A:ARG:HD2	2:330:A:ASP:HA	2	0.25
(4,57)	2:334:A:ARG:HD2	2:330:A:ASP:HA	8	0.25
(4,35)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	20	0.25
(4,34)	2:332:A:LEU:HG	2:332:A:LEU:HD21	9	0.25
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	8	0.25
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	10	0.25
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	17	0.25
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	17	0.25
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	17	0.25
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	1	0.25
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	8	0.25
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	14	0.25
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	4	0.25
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	5	0.25
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	12	0.25
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	10	0.25
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	11	0.25
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	18	0.25
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	8	0.25
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	11	0.25
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	13	0.25
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	15	0.25
(3,443)	2:254:A:LEU:HD22	2:324:A:LEU:H	1	0.25
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	10	0.25
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	15	0.25
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	4	0.25
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	6	0.25
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	15	0.25
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	4	0.25
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG22	8	0.25
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	11	0.25
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD12	17	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	3	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	4	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	5	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	7	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	9	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	10	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	11	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	17	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	18	0.25
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	19	0.25
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG2	10	0.25
(3,391)	2:338:A:ILE:HG23	2:339:A:ILE:H	8	0.25
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	4	0.25
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG23	6	0.25
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,372)	2:289:A:THR:HG22	2:290:A:ILE:HB	5	0.25
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	11	0.25
(3,371)	2:345:A:LEU:HD21	2:276:A:MET:H	1	0.25
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	1	0.25
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	7	0.25
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	18	0.25
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	12	0.25
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	5	0.25
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	17	0.25
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HB2	7	0.25
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	8	0.25
(3,313)	2:239:A:GLN:HB3	2:240:A:GLN:H	4	0.25
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	14	0.25
(3,298)	2:243:A:ALA:HA	2:243:A:ALA:H	11	0.25
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	14	0.25
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	9	0.25
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	10	0.25
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	18	0.25
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	11	0.25
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	12	0.25
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	11	0.25
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	13	0.25
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	14	0.25
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG3	7	0.25
(3,232)	2:235:A:THR:H	2:233:A:SER:HB2	4	0.25
(3,232)	2:233:A:SER:HB3	2:235:A:THR:H	20	0.25
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	17	0.25
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	20	0.25
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	6	0.25
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	10	0.25
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	5	0.25
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	8	0.25
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	19	0.25
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	2	0.25
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD11	18	0.25
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	20	0.25
(3,139)	2:343:A:GLU:HG2	2:344:A:ASP:H	12	0.25
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	14	0.25
(3,99)	2:302:A:LYS:HA	2:302:A:LYS:HD2	10	0.25
(3,56)	2:341:A:LYS:HE3	2:341:A:LYS:HB3	4	0.25
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG22	4	0.25
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,30)	2:238:A:ARG:HG3	2:238:A:ARG:HB3	13	0.25
(3,30)	2:238:A:ARG:HG2	2:238:A:ARG:HB3	15	0.25
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	7	0.25
(3,8)	2:341:A:LYS:HD3	2:341:A:LYS:HA	14	0.25
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	20	0.24
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB1	8	0.24
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG13	2	0.24
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	7	0.24
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	13	0.24
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	5	0.24
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	14	0.24
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	5	0.24
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	4	0.24
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	11	0.24
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	15	0.24
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	16	0.24
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	19	0.24
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	3	0.24
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	9	0.24
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	16	0.24
(4,4179)	2:284:A:MET:HE1	2:321:A:MET:H	14	0.24
(4,4173)	2:284:A:MET:HE2	2:321:A:MET:HG2	12	0.24
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE1	3	0.24
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG11	6	0.24
(4,4142)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	17	0.24
(4,4133)	2:282:A:ILE:HG23	2:336:A:ARG:H	17	0.24
(4,4128)	2:322:A:GLN:HG3	2:322:A:GLN:HA	7	0.24
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	19	0.24
(4,4092)	2:313:A:ARG:HA	2:293:A:ALA:HB3	2	0.24
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG22	17	0.24
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	14	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	4	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	9	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	10	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	11	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	12	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	13	0.24
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	19	0.24
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	7	0.24
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	3	0.24
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	16	0.24
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	1	0.24
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	3	0.24
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	9	0.24
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	15	0.24
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	17	0.24
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	20	0.24
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	10	0.24
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	20	0.24
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	11	0.24
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	17	0.24
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	20	0.24
(4,3909)	2:298:A:SER:HB3	2:295:A:VAL:HG12	14	0.24
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD13	11	0.24
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	16	0.24
(4,3904)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	20	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	3	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	4	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	5	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	7	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	9	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	11	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	12	0.24
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	15	0.24
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG12	6	0.24
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	16	0.24
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG11	20	0.24
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	5	0.24
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB2	17	0.24
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	16	0.24
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	4	0.24
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	5	0.24
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	7	0.24
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	11	0.24
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	15	0.24
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	20	0.24
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	6	0.24
(4,3852)	2:321:A:MET:HE3	2:321:A:MET:H	9	0.24
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	6	0.24
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	1	0.24
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	12	0.24
(4,3771)	1:6:B:ILE:HD13	2:259:A:VAL:HA	12	0.24
(4,3731)	2:274:A:ASN:H	2:274:A:ASN:HB3	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	1	0.24
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	18	0.24
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	12	0.24
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	1	0.24
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	3	0.24
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	15	0.24
(4,3660)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	5	0.24
(4,3660)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	19	0.24
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	9	0.24
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	11	0.24
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	13	0.24
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	17	0.24
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	20	0.24
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	1	0.24
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	12	0.24
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	2	0.24
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	8	0.24
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	13	0.24
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	4	0.24
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	7	0.24
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	3	0.24
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	12	0.24
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	13	0.24
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG23	20	0.24
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	5	0.24
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	11	0.24
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	1	0.24
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	19	0.24
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	20	0.24
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	8	0.24
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	16	0.24
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG23	5	0.24
(4,3338)	2:328:A:THR:HG21	2:324:A:LEU:HB2	4	0.24
(4,3338)	2:328:A:THR:HG22	2:324:A:LEU:HB2	14	0.24
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	8	0.24
(4,3324)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	10	0.24
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG12	20	0.24
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	14	0.24
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	9	0.24
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	12	0.24
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	17	0.24
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	7	0.24
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	13	0.24
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	14	0.24
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	19	0.24
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG21	6	0.24
(4,3196)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	1	0.24
(4,3179)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	6	0.24
(4,3178)	2:305:A:ASP:HB3	2:295:A:VAL:HG12	16	0.24
(4,3176)	2:298:A:SER:HA	2:295:A:VAL:HG11	2	0.24
(4,3173)	2:312:A:VAL:HB	2:293:A:ALA:HB1	2	0.24
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	6	0.24
(4,3168)	2:321:A:MET:HE1	2:321:A:MET:HG3	16	0.24
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	10	0.24
(4,3156)	2:289:A:THR:HG21	2:317:A:ARG:HD2	16	0.24
(4,3155)	2:289:A:THR:HG21	2:317:A:ARG:HA	6	0.24
(4,3155)	2:289:A:THR:HG21	2:317:A:ARG:HA	16	0.24
(4,3147)	1:6:B:ILE:HD13	2:259:A:VAL:HA	7	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	7	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	8	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	10	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	13	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	15	0.24
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	18	0.24
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	4	0.24
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	17	0.24
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	6	0.24
(4,3097)	2:319:A:PRO:HG2	2:319:A:PRO:HA	2	0.24
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	14	0.24
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	17	0.24
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	15	0.24
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	19	0.24
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	2	0.24
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	13	0.24
(4,3034)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	20	0.24
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	14	0.24
(4,2928)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	5	0.24
(4,2928)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	14	0.24
(4,2928)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	15	0.24
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	20	0.24
(4,2921)	2:347:A:LEU:HD13	2:346:A:SER:HB3	12	0.24
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	4	0.24
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD11	3	0.24
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD12	14	0.24
(4,2872)	2:251:A:THR:HB	2:332:A:LEU:HD13	20	0.24
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	1	0.24
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	6	0.24
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	11	0.24
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	13	0.24
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	3	0.24
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	14	0.24
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	16	0.24
(4,2711)	2:323:A:GLN:H	2:324:A:LEU:HD21	11	0.24
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	17	0.24
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	11	0.24
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	4	0.24
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	18	0.24
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	5	0.24
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	16	0.24
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	18	0.24
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	18	0.24
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB2	15	0.24
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	7	0.24
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	11	0.24
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	16	0.24
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	18	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	1	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	2	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	3	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	6	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	7	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	13	0.24
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	17	0.24
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	6	0.24
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG23	10	0.24
(4,2306)	2:303:A:PRO:HB3	2:304:A:PHE:H	2	0.24
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	18	0.24
(4,2261)	2:300:A:GLY:H	2:299:A:SER:HB3	3	0.24
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	5	0.24
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	13	0.24
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	14	0.24
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	15	0.24
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	13	0.24
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	14	0.24
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	20	0.24
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	11	0.24
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	13	0.24
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	19	0.24
(4,2010)	2:258:A:ILE:HG23	2:338:A:ILE:HG21	2	0.24
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	3	0.24
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	11	0.24
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	20	0.24
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	5	0.24
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	19	0.24
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	20	0.24
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	8	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	3	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	6	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	10	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	14	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	15	0.24
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	19	0.24
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	2	0.24
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	12	0.24
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	16	0.24
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD21	6	0.24
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	4	0.24
(4,1935)	2:258:A:ILE:HD13	2:257:A:LEU:H	16	0.24
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	12	0.24
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	16	0.24
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	1	0.24
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	3	0.24
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	9	0.24
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	18	0.24
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	9	0.24
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	6	0.24
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	16	0.24
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	18	0.24
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	19	0.24
(4,1743)	2:272:A:ALA:HB1	2:271:A:SER:H	18	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	4	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	5	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	8	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	9	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	11	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	15	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	16	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	19	0.24
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	20	0.24
(4,1609)	2:315:A:VAL:HG11	2:262:A:VAL:H	4	0.24
(4,1609)	2:315:A:VAL:HG11	2:262:A:VAL:H	12	0.24
(4,1568)	2:241:A:ALA:HB3	2:241:A:ALA:H	7	0.24
(4,1568)	2:241:A:ALA:HB1	2:241:A:ALA:H	12	0.24
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	16	0.24
(4,1554)	2:254:A:LEU:H	2:255:A:ASP:HB3	17	0.24
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	18	0.24
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	10	0.24
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	5	0.24
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	15	0.24
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	5	0.24
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	9	0.24
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	17	0.24
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	5	0.24
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	1	0.24
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	9	0.24
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	13	0.24
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	19	0.24
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	20	0.24
(4,1224)	2:284:A:MET:HE1	2:288:A:GLY:HA3	1	0.24
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	5	0.24
(4,1224)	2:284:A:MET:HE3	2:288:A:GLY:HA3	9	0.24
(4,1219)	2:276:A:MET:HE3	2:273:A:ARG:H	4	0.24
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	8	0.24
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	8	0.24
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	2	0.24
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	13	0.24
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	4	0.24
(4,1143)	2:343:A:GLU:HB2	2:343:A:GLU:H	17	0.24
(4,1090)	2:284:A:MET:HE1	2:321:A:MET:HG2	3	0.24
(4,1090)	2:284:A:MET:HE2	2:321:A:MET:HG2	20	0.24
(4,1088)	2:284:A:MET:HE1	2:288:A:GLY:H	11	0.24
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	1	0.24
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	2	0.24
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	4	0.24
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	13	0.24
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1062)	2:344:A:ASP:H	2:345:A:LEU:HD13	20	0.24
(4,1061)	2:347:A:LEU:HD11	2:347:A:LEU:HA	10	0.24
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	6	0.24
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	7	0.24
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	13	0.24
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	5	0.24
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	19	0.24
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	19	0.24
(4,970)	2:272:A:ALA:HB1	2:273:A:ARG:HA	7	0.24
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	18	0.24
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	6	0.24
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	11	0.24
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	15	0.24
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	15	0.24
(4,899)	2:303:A:PRO:HD2	2:303:A:PRO:HB3	17	0.24
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	3	0.24
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	8	0.24
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD21	13	0.24
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	1	0.24
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	9	0.24
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	4	0.24
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	5	0.24
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	10	0.24
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	18	0.24
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	10	0.24
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	11	0.24
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	13	0.24
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	20	0.24
(4,784)	2:258:A:ILE:HA	2:261:A:LEU:HB3	4	0.24
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	3	0.24
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	11	0.24
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	16	0.24
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	18	0.24
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	7	0.24
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	10	0.24
(4,725)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	12	0.24
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	9	0.24
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	11	0.24
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	16	0.24
(4,684)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	12	0.24
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	8	0.24
(4,673)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,673)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	14	0.24
(4,605)	2:281:A:LEU:HD11	2:335:A:GLN:HA	5	0.24
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	6	0.24
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	7	0.24
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	16	0.24
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	4	0.24
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	5	0.24
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	7	0.24
(4,552)	2:250:A:VAL:HG21	2:249:A:GLU:HB2	7	0.24
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	20	0.24
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	4	0.24
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	17	0.24
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	4	0.24
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	15	0.24
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	16	0.24
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD12	14	0.24
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	4	0.24
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	6	0.24
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	20	0.24
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD12	14	0.24
(4,430)	2:285:A:LEU:HD23	2:285:A:LEU:HA	20	0.24
(4,415)	2:272:A:ALA:HB2	2:304:A:PHE:HA	11	0.24
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE1	7	0.24
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE1	11	0.24
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	3	0.24
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	10	0.24
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	13	0.24
(4,387)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	18	0.24
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	6	0.24
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	5	0.24
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD12	15	0.24
(4,346)	2:276:A:MET:HE1	2:301:A:ASP:HB3	15	0.24
(4,342)	2:281:A:LEU:HD13	2:296:A:SER:HB2	5	0.24
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG12	8	0.24
(4,331)	2:321:A:MET:HE2	2:288:A:GLY:HA2	2	0.24
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	18	0.24
(4,318)	2:289:A:THR:HG21	2:317:A:ARG:HD2	6	0.24
(4,317)	2:289:A:THR:HG21	2:317:A:ARG:HA	7	0.24
(4,317)	2:289:A:THR:HG23	2:317:A:ARG:HA	15	0.24
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	18	0.24
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	10	0.24
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	10	0.24
(4,228)	2:256:A:ASP:HA	2:256:A:ASP:HB3	14	0.24
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	2	0.24
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	1	0.24
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	11	0.24
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	19	0.24
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	2	0.24
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	4	0.24
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	5	0.24
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	6	0.24
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	11	0.24
(4,127)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	2	0.24
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	11	0.24
(4,122)	2:347:A:LEU:HD12	2:346:A:SER:HB3	14	0.24
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	8	0.24
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	5	0.24
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	12	0.24
(4,68)	2:336:A:ARG:HD2	2:336:A:ARG:HA	10	0.24
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	2	0.24
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	10	0.24
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	5	0.24
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	13	0.24
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	12	0.24
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	6	0.24
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	11	0.24
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	18	0.24
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	16	0.24
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	17	0.24
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG23	7	0.24
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG22	19	0.24
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	10	0.24
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	2	0.24
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG3	15	0.24
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	17	0.24
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	5	0.24
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	6	0.24
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	9	0.24
(3,433)	2:347:A:LEU:H	2:345:A:LEU:HD11	20	0.24
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	1	0.24
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	14	0.24
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	4	0.24
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG22	5	0.24
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	6	0.24
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	17	0.24
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	2	0.24
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	18	0.24
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	9	0.24
(3,400)	2:251:A:THR:HA	2:332:A:LEU:HD22	3	0.24
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	15	0.24
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	20	0.24
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	1	0.24
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	3	0.24
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	17	0.24
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	20	0.24
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	4	0.24
(3,372)	2:289:A:THR:HG22	2:290:A:ILE:HB	19	0.24
(3,357)	2:251:A:THR:HB	2:251:A:THR:HG21	10	0.24
(3,354)	2:284:A:MET:HE2	2:336:A:ARG:HB2	9	0.24
(3,344)	2:231:A:LEU:HB2	2:231:A:LEU:H	12	0.24
(3,344)	2:231:A:LEU:HB2	2:231:A:LEU:H	16	0.24
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	5	0.24
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HB2	17	0.24
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	1	0.24
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	14	0.24
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	11	0.24
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	16	0.24
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	7	0.24
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	11	0.24
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	17	0.24
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	1	0.24
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	2	0.24
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	19	0.24
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	10	0.24
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	17	0.24
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	15	0.24
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	11	0.24
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	18	0.24
(3,217)	2:230:A:GLU:H	2:230:A:GLU:HG3	1	0.24
(3,202)	2:292:A:ASN:H	2:282:A:ILE:HA	19	0.24
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG12	3	0.24
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	8	0.24
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	11	0.24
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	15	0.24
(3,184)	2:254:A:LEU:HD22	2:324:A:LEU:H	1	0.24
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	10	0.24
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	9	0.24
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	6	0.24
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	15	0.24
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	10	0.24
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	1	0.24
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	5	0.24
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	6	0.24
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	12	0.24
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	16	0.24
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	14	0.24
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	17	0.24
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG22	11	0.24
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	8	0.24
(3,28)	2:238:A:ARG:HG3	2:238:A:ARG:HA	2	0.24
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	4	0.24
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	5	0.24
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	12	0.24
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	1	0.24
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	12	0.23
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	16	0.23
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	13	0.23
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	7	0.23
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	10	0.23
(4,4347)	2:276:A:MET:HE1	2:301:A:ASP:HB3	15	0.23
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	12	0.23
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	10	0.23
(4,4263)	2:328:A:THR:HG22	2:324:A:LEU:HG	5	0.23
(4,4259)	2:258:A:ILE:HD11	2:333:A:TYR:HA	5	0.23
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	6	0.23
(4,4253)	1:1:B:ALA:HB1	2:336:A:ARG:HD2	14	0.23
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	2	0.23
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	9	0.23
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	4	0.23
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	12	0.23
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	19	0.23
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	6	0.23
(4,4128)	2:322:A:GLN:HG3	2:322:A:GLN:HA	16	0.23
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	7	0.23
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	20	0.23
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	1	0.23
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	3	0.23
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	5	0.23
(4,4049)	2:257:A:LEU:HB3	2:257:A:LEU:H	17	0.23
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	4	0.23
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	17	0.23
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	19	0.23
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	4	0.23
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	6	0.23
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	12	0.23
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	19	0.23
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	2	0.23
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	4	0.23
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	7	0.23
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	18	0.23
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	19	0.23
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	3	0.23
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	8	0.23
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	18	0.23
(4,3916)	2:299:A:SER:HG	2:276:A:MET:HE3	19	0.23
(4,3906)	2:281:A:LEU:HD12	2:296:A:SER:HB3	8	0.23
(4,3906)	2:281:A:LEU:HD11	2:296:A:SER:HB3	20	0.23
(4,3896)	2:296:A:SER:H	2:295:A:VAL:HB	17	0.23
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	14	0.23
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	17	0.23
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	1	0.23
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	19	0.23
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	4	0.23
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	8	0.23
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	15	0.23
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	5	0.23
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	18	0.23
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	19	0.23
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	3	0.23
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	14	0.23
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	6	0.23
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	7	0.23
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	20	0.23
(4,3713)	2:277:A:SER:H	2:276:A:MET:HB2	16	0.23
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	6	0.23
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	1	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	2	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	5	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	6	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	7	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	10	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	14	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	18	0.23
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	19	0.23
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	1	0.23
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	18	0.23
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	20	0.23
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	14	0.23
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	17	0.23
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	16	0.23
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	19	0.23
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	9	0.23
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	2	0.23
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	6	0.23
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	10	0.23
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	16	0.23
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG22	20	0.23
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	8	0.23
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	3	0.23
(4,3482)	2:250:A:VAL:HG22	2:251:A:THR:H	11	0.23
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	1	0.23
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	8	0.23
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	12	0.23
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	19	0.23
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	6	0.23
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	10	0.23
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	13	0.23
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	13	0.23
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	11	0.23
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	14	0.23
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	7	0.23
(4,3377)	2:337:A:ARG:HD3	2:338:A:ILE:H	5	0.23
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	8	0.23
(4,3285)	2:284:A:MET:HE1	2:321:A:MET:HG2	1	0.23
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	4	0.23
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG22	16	0.23
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG21	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	18	0.23
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	20	0.23
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG11	15	0.23
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	5	0.23
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	2	0.23
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	16	0.23
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	18	0.23
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	12	0.23
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	20	0.23
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	19	0.23
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	11	0.23
(4,3169)	2:321:A:MET:HE1	2:321:A:MET:HA	7	0.23
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	4	0.23
(4,3163)	2:290:A:ILE:HG23	2:290:A:ILE:HA	9	0.23
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	4	0.23
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	18	0.23
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	3	0.23
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	5	0.23
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	9	0.23
(4,3142)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	11	0.23
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	13	0.23
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD13	6	0.23
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	4	0.23
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	6	0.23
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	6	0.23
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	14	0.23
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	15	0.23
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	12	0.23
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG21	3	0.23
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG21	5	0.23
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	6	0.23
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	20	0.23
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	12	0.23
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	14	0.23
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	19	0.23
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	9	0.23
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	8	0.23
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	5	0.23
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	16	0.23
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	10	0.23
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	13	0.23
(4,2928)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	16	0.23
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	7	0.23
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	8	0.23
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	4	0.23
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	12	0.23
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	14	0.23
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	16	0.23
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	20	0.23
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	3	0.23
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	4	0.23
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	6	0.23
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	20	0.23
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	11	0.23
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	5	0.23
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	14	0.23
(4,2713)	2:329:A:PHE:HD2	2:329:A:PHE:H	13	0.23
(4,2710)	2:323:A:GLN:H	2:324:A:LEU:HD11	11	0.23
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	2	0.23
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	19	0.23
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	8	0.23
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	9	0.23
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	1	0.23
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	9	0.23
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB1	11	0.23
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB1	14	0.23
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	19	0.23
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	9	0.23
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	12	0.23
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	14	0.23
(4,2417)	2:229:A:ALA:HB2	2:230:A:GLU:H	19	0.23
(4,2390)	2:243:A:ALA:HB1	2:243:A:ALA:H	4	0.23
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	9	0.23
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	3	0.23
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	14	0.23
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	17	0.23
(4,2261)	2:300:A:GLY:H	2:299:A:SER:HB3	19	0.23
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	2	0.23
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	15	0.23
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	7	0.23
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	19	0.23
(4,2230)	1:1:B:ALA:HB1	2:251:A:THR:H	18	0.23
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	1	0.23
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	20	0.23
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	6	0.23
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	18	0.23
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD12	8	0.23
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	13	0.23
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	10	0.23
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	10	0.23
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	3	0.23
(4,1988)	2:284:A:MET:HE3	2:288:A:GLY:HA3	19	0.23
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	5	0.23
(4,1986)	2:315:A:VAL:HG13	2:314:A:ASN:H	18	0.23
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	3	0.23
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	2	0.23
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	4	0.23
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	8	0.23
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	13	0.23
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD23	18	0.23
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	1	0.23
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	3	0.23
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG23	9	0.23
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	11	0.23
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD12	20	0.23
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	16	0.23
(4,1825)	2:323:A:GLN:H	2:324:A:LEU:HD21	11	0.23
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD12	7	0.23
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	11	0.23
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	5	0.23
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	18	0.23
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB1	11	0.23
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB2	15	0.23
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	19	0.23
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	7	0.23
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	11	0.23
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	16	0.23
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	5	0.23
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	18	0.23
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	1	0.23
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	2	0.23
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	3	0.23
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	6	0.23
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	17	0.23
(4,1517)	2:303:A:PRO:HB3	2:304:A:PHE:H	2	0.23
(4,1476)	2:300:A:GLY:H	2:299:A:SER:HB3	3	0.23
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	8	0.23
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	14	0.23
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	15	0.23
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	14	0.23
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	7	0.23
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	13	0.23
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	19	0.23
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	18	0.23
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	2	0.23
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB1	8	0.23
(4,1232)	2:315:A:VAL:HG12	2:261:A:LEU:HB2	10	0.23
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	2	0.23
(4,1228)	2:319:A:PRO:HG2	2:319:A:PRO:HA	5	0.23
(4,1224)	2:284:A:MET:HE2	2:288:A:GLY:HA3	12	0.23
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	9	0.23
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	10	0.23
(4,1187)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	1	0.23
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	18	0.23
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	16	0.23
(4,1143)	2:343:A:GLU:HB2	2:343:A:GLU:H	13	0.23
(4,1140)	2:280:A:VAL:HG13	2:281:A:LEU:H	14	0.23
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	9	0.23
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	12	0.23
(4,1096)	2:284:A:MET:HE2	2:321:A:MET:H	20	0.23
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE2	20	0.23
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG12	18	0.23
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	7	0.23
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	9	0.23
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	10	0.23
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	12	0.23
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	18	0.23
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	20	0.23
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	9	0.23
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB2	18	0.23
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	8	0.23
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	18	0.23
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	20	0.23
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	1	0.23
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	6	0.23
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	10	0.23
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	12	0.23
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	14	0.23
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	20	0.23
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	12	0.23
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	14	0.23
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	4	0.23
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	12	0.23
(4,876)	2:281:A:LEU:HD11	2:335:A:GLN:HE21	7	0.23
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	13	0.23
(4,858)	2:294:A:SER:H	2:294:A:SER:HB3	13	0.23
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB3	1	0.23
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB1	15	0.23
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB1	18	0.23
(4,830)	2:321:A:MET:HE3	2:321:A:MET:H	2	0.23
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	1	0.23
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	14	0.23
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD23	10	0.23
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	12	0.23
(4,786)	2:261:A:LEU:HD12	2:261:A:LEU:H	6	0.23
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	4	0.23
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	1	0.23
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	1	0.23
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	20	0.23
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	11	0.23
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	2	0.23
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	10	0.23
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	15	0.23
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	18	0.23
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	1	0.23
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	19	0.23
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	14	0.23
(4,528)	2:254:A:LEU:H	2:253:A:SER:HB3	18	0.23
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	11	0.23
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	17	0.23
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	18	0.23
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	9	0.23
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	7	0.23
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	16	0.23
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	17	0.23
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	19	0.23
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	7	0.23
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	3	0.23
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	19	0.23
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	20	0.23
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	3	0.23
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	10	0.23
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	19	0.23
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD21	14	0.23
(4,415)	2:272:A:ALA:HB2	2:304:A:PHE:HA	9	0.23
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	12	0.23
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	16	0.23
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	6	0.23
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	7	0.23
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	20	0.23
(4,382)	2:258:A:ILE:HD13	2:321:A:MET:HE2	13	0.23
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE1	13	0.23
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	4	0.23
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	13	0.23
(4,350)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	19	0.23
(4,343)	2:281:A:LEU:HD13	2:336:A:ARG:HA	8	0.23
(4,337)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	6	0.23
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG11	2	0.23
(4,335)	2:298:A:SER:HA	2:295:A:VAL:HG13	19	0.23
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	10	0.23
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	10	0.23
(4,324)	2:290:A:ILE:HG23	2:290:A:ILE:HA	19	0.23
(4,317)	2:289:A:THR:HG21	2:317:A:ARG:HA	6	0.23
(4,317)	2:289:A:THR:HG21	2:317:A:ARG:HA	16	0.23
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	17	0.23
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	2	0.23
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	5	0.23
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	8	0.23
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	12	0.23
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	15	0.23
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	1	0.23
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	12	0.23
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	14	0.23
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	20	0.23
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	2	0.23
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	8	0.23
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,187)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	6	0.23
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG11	5	0.23
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	12	0.23
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	14	0.23
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	9	0.23
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	14	0.23
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	9	0.23
(4,127)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	14	0.23
(4,127)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	15	0.23
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	20	0.23
(4,122)	2:347:A:LEU:HD13	2:346:A:SER:HB3	12	0.23
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	4	0.23
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	12	0.23
(4,73)	2:251:A:THR:HA	2:332:A:LEU:HD23	15	0.23
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	11	0.23
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	2	0.23
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	3	0.23
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	11	0.23
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	19	0.23
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	3	0.23
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	1	0.23
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	8	0.23
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	18	0.23
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	1	0.23
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	8	0.23
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	8	0.23
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	11	0.23
(3,570)	2:321:A:MET:HB2	2:288:A:GLY:HA2	16	0.23
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG22	5	0.23
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG23	6	0.23
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	17	0.23
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	6	0.23
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	7	0.23
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	18	0.23
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	6	0.23
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	8	0.23
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	15	0.23
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	19	0.23
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	6	0.23
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	20	0.23
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG3	5	0.23
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,460)	2:245:A:GLU:HG3	2:246:A:VAL:H	16	0.23
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	2	0.23
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	7	0.23
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	12	0.23
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	20	0.23
(3,432)	2:306:A:SER:HB3	2:308:A:ALA:H	10	0.23
(3,427)	2:315:A:VAL:HG12	2:265:A:GLN:HB3	20	0.23
(3,423)	2:321:A:MET:HE3	2:333:A:TYR:HA	11	0.23
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	3	0.23
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	14	0.23
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	3	0.23
(3,408)	2:257:A:LEU:HB3	2:258:A:ILE:HD11	1	0.23
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	5	0.23
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	17	0.23
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	6	0.23
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	3	0.23
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	12	0.23
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	13	0.23
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	6	0.23
(3,354)	2:284:A:MET:HE2	2:336:A:ARG:HB2	19	0.23
(3,344)	2:231:A:LEU:HB2	2:231:A:LEU:H	11	0.23
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	16	0.23
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG12	20	0.23
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HB2	4	0.23
(3,316)	2:240:A:GLN:HB2	2:241:A:ALA:H	3	0.23
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	5	0.23
(3,313)	2:239:A:GLN:HB3	2:240:A:GLN:H	6	0.23
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	3	0.23
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	20	0.23
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	9	0.23
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	12	0.23
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	1	0.23
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	12	0.23
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG3	15	0.23
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	5	0.23
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	8	0.23
(3,224)	2:326:A:ARG:HB3	2:327:A:ALA:H	19	0.23
(3,211)	2:240:A:GLN:HB2	2:241:A:ALA:H	18	0.23
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	17	0.23
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	1	0.23
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	8	0.23
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	6	0.23
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	9	0.23
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	15	0.23
(3,172)	2:336:A:ARG:HG3	2:337:A:ARG:H	11	0.23
(3,164)	2:347:A:LEU:H	2:345:A:LEU:HD11	20	0.23
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	1	0.23
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	4	0.23
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	14	0.23
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	7	0.23
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG23	6	0.23
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG21	13	0.23
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	6	0.23
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	20	0.23
(3,83)	2:270:A:PRO:HG3	2:270:A:PRO:HA	3	0.23
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	1	0.23
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG23	7	0.23
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	2	0.23
(4,4433)	1:10:B:ASN:HB2	1:10:B:ASN:H	14	0.22
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	6	0.22
(4,4351)	2:276:A:MET:HE3	2:304:A:PHE:H	19	0.22
(4,4350)	2:276:A:MET:HE1	2:304:A:PHE:HD1	4	0.22
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	10	0.22
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	12	0.22
(4,4343)	2:321:A:MET:HE3	2:321:A:MET:HA	9	0.22
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	2	0.22
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	8	0.22
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	7	0.22
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	1	0.22
(4,4263)	2:328:A:THR:HG22	2:324:A:LEU:HG	11	0.22
(4,4253)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	10	0.22
(4,4252)	2:338:A:ILE:HD13	2:308:A:ALA:HB1	14	0.22
(4,4242)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	5	0.22
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	3	0.22
(4,4176)	2:321:A:MET:HE1	2:284:A:MET:HE1	20	0.22
(4,4173)	2:284:A:MET:HE1	2:321:A:MET:HG2	14	0.22
(4,4142)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	7	0.22
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	3	0.22
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	6	0.22
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	7	0.22
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	14	0.22
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	5	0.22
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG22	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG22	1	0.22
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	5	0.22
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	11	0.22
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	13	0.22
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	1	0.22
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	5	0.22
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	10	0.22
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	13	0.22
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB2	5	0.22
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB1	7	0.22
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB2	13	0.22
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	10	0.22
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB1	12	0.22
(4,3960)	2:313:A:ARG:H	2:312:A:VAL:HB	5	0.22
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	7	0.22
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	9	0.22
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	18	0.22
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	5	0.22
(4,3888)	2:296:A:SER:H	2:295:A:VAL:HG13	14	0.22
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	20	0.22
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB1	9	0.22
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	1	0.22
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	5	0.22
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	11	0.22
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	8	0.22
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	13	0.22
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	18	0.22
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	19	0.22
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	10	0.22
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	12	0.22
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	16	0.22
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	17	0.22
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	15	0.22
(4,3771)	1:6:B:ILE:HD13	2:259:A:VAL:HA	7	0.22
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	4	0.22
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	14	0.22
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	16	0.22
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	17	0.22
(4,3736)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	7	0.22
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	9	0.22
(4,3724)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	16	0.22
(4,3713)	2:277:A:SER:H	2:276:A:MET:HB2	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3713)	2:277:A:SER:H	2:276:A:MET:HB2	10	0.22
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	7	0.22
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	13	0.22
(4,3660)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	14	0.22
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	4	0.22
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	15	0.22
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	8	0.22
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	13	0.22
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	14	0.22
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	18	0.22
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	16	0.22
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	2	0.22
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG21	7	0.22
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG13	4	0.22
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	6	0.22
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	17	0.22
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	6	0.22
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	8	0.22
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	17	0.22
(4,3466)	2:302:A:LYS:HE2	2:302:A:LYS:H	19	0.22
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	10	0.22
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	10	0.22
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	13	0.22
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	3	0.22
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	15	0.22
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	18	0.22
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	19	0.22
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	12	0.22
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	18	0.22
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	1	0.22
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG22	1	0.22
(4,3324)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	8	0.22
(4,3285)	2:284:A:MET:HE1	2:321:A:MET:HG2	13	0.22
(4,3285)	2:284:A:MET:HE1	2:321:A:MET:HG2	15	0.22
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	17	0.22
(4,3275)	1:2:B:ASP:HB2	2:251:A:THR:HG23	5	0.22
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	1	0.22
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	8	0.22
(4,3268)	2:325:A:PRO:HD3	2:324:A:LEU:HB2	12	0.22
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	5	0.22
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	15	0.22
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	3	0.22
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	6	0.22
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	20	0.22
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	5	0.22
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	9	0.22
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	1	0.22
(4,3233)	2:244:A:ASP:HB2	2:244:A:ASP:HA	2	0.22
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB1	9	0.22
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE3	1	0.22
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE2	15	0.22
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	6	0.22
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	10	0.22
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	11	0.22
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	1	0.22
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	3	0.22
(4,3163)	2:290:A:ILE:HG23	2:290:A:ILE:HA	7	0.22
(4,3155)	2:289:A:THR:HG21	2:317:A:ARG:HA	3	0.22
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	20	0.22
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	2	0.22
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	10	0.22
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	13	0.22
(4,3141)	2:270:A:PRO:HB2	2:270:A:PRO:HA	8	0.22
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD22	3	0.22
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	9	0.22
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	7	0.22
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	14	0.22
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	3	0.22
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	11	0.22
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	16	0.22
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	5	0.22
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	1	0.22
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	7	0.22
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	18	0.22
(4,3069)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	3	0.22
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	19	0.22
(4,3052)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	16	0.22
(4,3012)	2:302:A:LYS:HA	2:302:A:LYS:HG3	5	0.22
(4,3012)	2:302:A:LYS:HA	2:302:A:LYS:HG3	6	0.22
(4,3012)	2:302:A:LYS:HA	2:302:A:LYS:HG3	9	0.22
(4,3012)	2:302:A:LYS:HA	2:302:A:LYS:HG3	19	0.22
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	3	0.22
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	3	0.22
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG23	6	0.22
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	13	0.22
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	18	0.22
(4,2928)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	7	0.22
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	10	0.22
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	11	0.22
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	17	0.22
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	5	0.22
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	7	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	2	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	7	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	9	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	10	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	12	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	13	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	14	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	15	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	17	0.22
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	19	0.22
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	11	0.22
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	4	0.22
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	5	0.22
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	9	0.22
(4,2762)	2:250:A:VAL:HG23	2:250:A:VAL:H	20	0.22
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	12	0.22
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	19	0.22
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	4	0.22
(4,2696)	2:317:A:ARG:H	2:315:A:VAL:HG21	19	0.22
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	2	0.22
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	6	0.22
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	10	0.22
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	13	0.22
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	19	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	4	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	7	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	10	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	15	0.22
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	20	0.22
(4,2651)	2:299:A:SER:HB3	2:301:A:ASP:H	1	0.22
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB2	13	0.22
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2564)	2:280:A:VAL:HG13	2:294:A:SER:H	2	0.22
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	8	0.22
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	17	0.22
(4,2460)	2:259:A:VAL:HB	2:261:A:LEU:H	12	0.22
(4,2445)	2:315:A:VAL:HG11	2:262:A:VAL:H	6	0.22
(4,2417)	2:229:A:ALA:HB3	2:230:A:GLU:H	6	0.22
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	9	0.22
(4,2392)	2:241:A:ALA:HB3	2:241:A:ALA:H	16	0.22
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	7	0.22
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	7	0.22
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD2	2	0.22
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	4	0.22
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	20	0.22
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	4	0.22
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	18	0.22
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	19	0.22
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	14	0.22
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	4	0.22
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	14	0.22
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	3	0.22
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	15	0.22
(4,2056)	2:267:A:ARG:H	2:263:A:SER:HA	16	0.22
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	11	0.22
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	8	0.22
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	8	0.22
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	9	0.22
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	13	0.22
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	13	0.22
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	11	0.22
(4,1986)	2:315:A:VAL:HG11	2:314:A:ASN:H	15	0.22
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	11	0.22
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	14	0.22
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	5	0.22
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	12	0.22
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	5	0.22
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	9	0.22
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	5	0.22
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	14	0.22
(4,1827)	2:329:A:PHE:HD2	2:329:A:PHE:H	13	0.22
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	11	0.22
(4,1824)	2:323:A:GLN:H	2:324:A:LEU:HD11	17	0.22
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	19	0.22
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	1	0.22
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	9	0.22
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	13	0.22
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB2	13	0.22
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB1	14	0.22
(4,1702)	2:280:A:VAL:HG13	2:294:A:SER:H	2	0.22
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	9	0.22
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	12	0.22
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	13	0.22
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	14	0.22
(4,1589)	2:229:A:ALA:HB2	2:230:A:GLU:H	19	0.22
(4,1566)	2:243:A:ALA:HB1	2:243:A:ALA:H	4	0.22
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	2	0.22
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	15	0.22
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	7	0.22
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	19	0.22
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	1	0.22
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	5	0.22
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	13	0.22
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	13	0.22
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	1	0.22
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	3	0.22
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	20	0.22
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	20	0.22
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	6	0.22
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	11	0.22
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	18	0.22
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	20	0.22
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	13	0.22
(4,1243)	1:7:B:SER:H	1:6:B:ILE:HD11	6	0.22
(4,1218)	2:276:A:MET:HA	2:276:A:MET:HE2	19	0.22
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	15	0.22
(4,1187)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	14	0.22
(4,1185)	2:262:A:VAL:HB	2:338:A:ILE:HG23	10	0.22
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	1	0.22
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	7	0.22
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	4	0.22
(4,1074)	2:265:A:GLN:HG3	2:265:A:GLN:H	16	0.22
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB3	15	0.22
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	16	0.22
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	6	0.22
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	12	0.22
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	19	0.22
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	6	0.22
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	7	0.22
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	14	0.22
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	15	0.22
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	16	0.22
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	3	0.22
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	8	0.22
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	11	0.22
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	13	0.22
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	16	0.22
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	3	0.22
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	7	0.22
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	19	0.22
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	2	0.22
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	4	0.22
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	10	0.22
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	13	0.22
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	16	0.22
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	4	0.22
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	5	0.22
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	13	0.22
(4,879)	2:281:A:LEU:HD12	2:337:A:ARG:HD2	13	0.22
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	18	0.22
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD23	5	0.22
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD22	12	0.22
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	18	0.22
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB1	4	0.22
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB2	12	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	3	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	4	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	5	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	9	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	11	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	15	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	16	0.22
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	20	0.22
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	15	0.22
(4,804)	2:296:A:SER:H	2:296:A:SER:HB2	16	0.22
(4,787)	2:261:A:LEU:H	2:261:A:LEU:HD22	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	11	0.22
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	19	0.22
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	6	0.22
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	11	0.22
(4,557)	2:254:A:LEU:HD23	2:254:A:LEU:HA	7	0.22
(4,557)	2:254:A:LEU:HD23	2:254:A:LEU:HA	11	0.22
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	9	0.22
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	12	0.22
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	16	0.22
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	9	0.22
(4,550)	2:250:A:VAL:HG13	2:251:A:THR:H	17	0.22
(4,547)	2:249:A:GLU:H	2:249:A:GLU:HB3	16	0.22
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	3	0.22
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	13	0.22
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	14	0.22
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	18	0.22
(4,524)	2:253:A:SER:HA	2:253:A:SER:HB3	2	0.22
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	1	0.22
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	1	0.22
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	4	0.22
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	6	0.22
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	8	0.22
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	12	0.22
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	19	0.22
(4,439)	2:328:A:THR:HG21	2:324:A:LEU:HB2	4	0.22
(4,439)	2:328:A:THR:HG22	2:324:A:LEU:HB2	14	0.22
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG12	20	0.22
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	8	0.22
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE1	9	0.22
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	19	0.22
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE2	15	0.22
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	2	0.22
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	7	0.22
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	14	0.22
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	16	0.22
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	19	0.22
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG21	6	0.22
(4,350)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	1	0.22
(4,332)	2:312:A:VAL:HB	2:293:A:ALA:HB1	2	0.22
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	6	0.22
(4,329)	2:321:A:MET:HE1	2:321:A:MET:HA	7	0.22
(4,328)	2:321:A:MET:HE1	2:321:A:MET:HG3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	4	0.22
(4,324)	2:290:A:ILE:HG23	2:290:A:ILE:HA	9	0.22
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	10	0.22
(4,318)	2:289:A:THR:HG21	2:317:A:ARG:HD2	16	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	5	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	7	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	8	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	9	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	10	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	11	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	13	0.22
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	18	0.22
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	4	0.22
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	13	0.22
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	17	0.22
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	6	0.22
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD13	6	0.22
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	6	0.22
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	17	0.22
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	15	0.22
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	19	0.22
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG21	3	0.22
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG21	5	0.22
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	13	0.22
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	20	0.22
(4,216)	2:238:A:ARG:HB2	2:238:A:ARG:HD3	20	0.22
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	1	0.22
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	2	0.22
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	7	0.22
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	8	0.22
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	18	0.22
(4,127)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	5	0.22
(4,127)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	16	0.22
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	14	0.22
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	4	0.22
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	20	0.22
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD11	3	0.22
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD12	14	0.22
(4,76)	2:251:A:THR:HB	2:332:A:LEU:HD13	20	0.22
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	1	0.22
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	6	0.22
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	8	0.22
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	12	0.22
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	13	0.22
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	20	0.22
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	14	0.22
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	13	0.22
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	6	0.22
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	18	0.22
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	20	0.22
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD11	5	0.22
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	8	0.22
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	11	0.22
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	4	0.22
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	18	0.22
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	16	0.22
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	18	0.22
(3,510)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	19	0.22
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	12	0.22
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	10	0.22
(3,500)	2:248:A:SER:HA	2:248:A:SER:HB2	14	0.22
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	17	0.22
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	15	0.22
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG3	3	0.22
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG3	20	0.22
(3,472)	2:238:A:ARG:HB2	2:239:A:GLN:H	5	0.22
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	1	0.22
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	14	0.22
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	19	0.22
(3,443)	2:254:A:LEU:HD21	2:324:A:LEU:H	18	0.22
(3,441)	2:276:A:MET:H	2:276:A:MET:HG3	10	0.22
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	18	0.22
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	7	0.22
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	12	0.22
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	14	0.22
(3,399)	2:280:A:VAL:HB	2:281:A:LEU:H	14	0.22
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG2	11	0.22
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	11	0.22
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	13	0.22
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	15	0.22
(3,371)	2:345:A:LEU:HD22	2:276:A:MET:H	3	0.22
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	6	0.22
(3,371)	2:345:A:LEU:HD22	2:276:A:MET:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,354)	2:284:A:MET:HE3	2:336:A:ARG:HB2	4	0.22
(3,354)	2:284:A:MET:HE1	2:336:A:ARG:HB2	17	0.22
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	4	0.22
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	12	0.22
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	19	0.22
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	13	0.22
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	2	0.22
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	7	0.22
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	13	0.22
(3,278)	2:292:A:ASN:H	2:283:A:GLU:HG3	16	0.22
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	6	0.22
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	20	0.22
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	14	0.22
(3,260)	2:323:A:GLN:H	2:323:A:GLN:HB2	10	0.22
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG3	5	0.22
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	12	0.22
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	16	0.22
(3,227)	2:245:A:GLU:HG3	2:246:A:VAL:H	16	0.22
(3,224)	2:325:A:PRO:HB3	2:327:A:ALA:H	15	0.22
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	9	0.22
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	2	0.22
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	7	0.22
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	12	0.22
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	20	0.22
(3,163)	2:306:A:SER:HB3	2:308:A:ALA:H	10	0.22
(3,156)	2:334:A:ARG:HG2	2:334:A:ARG:HA	9	0.22
(3,156)	2:334:A:ARG:HG2	2:334:A:ARG:HA	12	0.22
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG23	1	0.22
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	10	0.22
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	2	0.22
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	17	0.22
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	20	0.22
(3,83)	2:270:A:PRO:HG3	2:270:A:PRO:HA	5	0.22
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	9	0.22
(3,67)	2:302:A:LYS:H	2:302:A:LYS:HD3	6	0.22
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	3	0.22
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	16	0.22
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG22	17	0.22
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG22	5	0.22
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG23	6	0.22
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG22	19	0.22
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	6	0.22
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	10	0.22
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	6	0.22
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	8	0.22
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	15	0.22
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB2	2	0.21
(4,4413)	1:8:B:SER:H	1:6:B:ILE:HG13	18	0.21
(4,4410)	1:7:B:SER:H	2:259:A:VAL:HG11	17	0.21
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	3	0.21
(4,4353)	2:276:A:MET:HE3	2:301:A:ASP:HB2	15	0.21
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	3	0.21
(4,4344)	2:321:A:MET:HE3	2:288:A:GLY:HA3	11	0.21
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG21	4	0.21
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG22	15	0.21
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	4	0.21
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	7	0.21
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	16	0.21
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	17	0.21
(4,4259)	2:258:A:ILE:HD12	2:333:A:TYR:HA	20	0.21
(4,4213)	2:315:A:VAL:HG11	2:316:A:GLY:H	11	0.21
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	1	0.21
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	8	0.21
(4,4212)	2:315:A:VAL:HG12	2:315:A:VAL:HA	9	0.21
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	10	0.21
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	13	0.21
(4,4212)	2:315:A:VAL:HG12	2:315:A:VAL:HA	15	0.21
(4,4192)	2:267:A:ARG:HG2	2:267:A:ARG:HA	4	0.21
(4,4176)	2:321:A:MET:HE3	2:284:A:MET:HE3	3	0.21
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE1	13	0.21
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG11	16	0.21
(4,4128)	2:322:A:GLN:HG3	2:322:A:GLN:HA	5	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	1	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	2	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	8	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	9	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	10	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	11	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	13	0.21
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	16	0.21
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD1	2	0.21
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	11	0.21
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG21	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4030)	2:263:A:SER:HB2	2:264:A:GLN:H	12	0.21
(4,4027)	2:339:A:ILE:HG22	2:277:A:SER:HB3	3	0.21
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	14	0.21
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	9	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	1	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	2	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	9	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	11	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	17	0.21
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	18	0.21
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	1	0.21
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB2	8	0.21
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	14	0.21
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	1	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	1	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	6	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	7	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	8	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	11	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	12	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	13	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	14	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	15	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	17	0.21
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	19	0.21
(4,3931)	2:302:A:LYS:H	2:301:A:ASP:HB2	9	0.21
(4,3906)	2:281:A:LEU:HD13	2:296:A:SER:HB3	15	0.21
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	6	0.21
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD23	9	0.21
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	9	0.21
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	10	0.21
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB1	7	0.21
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	8	0.21
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	17	0.21
(4,3858)	2:321:A:MET:HE2	2:288:A:GLY:HA2	2	0.21
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	8	0.21
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	7	0.21
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	8	0.21
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	2	0.21
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	1	0.21
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	2	0.21
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	7	0.21
(4,3713)	2:277:A:SER:H	2:276:A:MET:HB2	17	0.21
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	9	0.21
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	10	0.21
(4,3655)	2:293:A:ALA:H	2:292:A:ASN:HB2	12	0.21
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	5	0.21
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	17	0.21
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	4	0.21
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	17	0.21
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	8	0.21
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	13	0.21
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	14	0.21
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	5	0.21
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	18	0.21
(4,3603)	2:327:A:ALA:HB3	2:327:A:ALA:H	1	0.21
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	16	0.21
(4,3560)	2:281:A:LEU:HD12	2:335:A:GLN:HA	18	0.21
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	14	0.21
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG21	3	0.21
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG21	5	0.21
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	13	0.21
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	20	0.21
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	6	0.21
(4,3484)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	5	0.21
(4,3480)	2:250:A:VAL:HG13	2:251:A:THR:H	15	0.21
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	13	0.21
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	16	0.21
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD21	6	0.21
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	8	0.21
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	12	0.21
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	20	0.21
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	16	0.21
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	17	0.21
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	10	0.21
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	11	0.21
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	14	0.21
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	15	0.21
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	4	0.21
(4,3334)	1:1:B:ALA:HB2	2:336:A:ARG:HD3	15	0.21
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG12	5	0.21
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG13	6	0.21
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3287)	2:333:A:TYR:HB2	2:284:A:MET:HE2	2	0.21
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	7	0.21
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	12	0.21
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	18	0.21
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG12	12	0.21
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	4	0.21
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	8	0.21
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG21	3	0.21
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	18	0.21
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	16	0.21
(4,3172)	2:321:A:MET:HE2	2:288:A:GLY:HA2	9	0.21
(4,3169)	2:321:A:MET:HE2	2:321:A:MET:HA	17	0.21
(4,3168)	2:321:A:MET:HE3	2:321:A:MET:HG3	5	0.21
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	13	0.21
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	17	0.21
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	5	0.21
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	1	0.21
(4,3147)	1:6:B:ILE:HD13	2:259:A:VAL:HA	4	0.21
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	8	0.21
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	15	0.21
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	16	0.21
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	7	0.21
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	11	0.21
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	9	0.21
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	12	0.21
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	13	0.21
(4,3095)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	17	0.21
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	16	0.21
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	19	0.21
(4,3069)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	8	0.21
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	10	0.21
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	11	0.21
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	12	0.21
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG21	16	0.21
(4,3035)	2:249:A:GLU:HA	2:249:A:GLU:HB2	15	0.21
(4,3025)	2:286:A:PRO:HD2	2:285:A:LEU:HA	17	0.21
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	10	0.21
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	18	0.21
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	2	0.21
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	4	0.21
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	6	0.21
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG11	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	16	0.21
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	19	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	1	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	2	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	4	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	5	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	10	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG23	11	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	17	0.21
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	20	0.21
(4,2957)	2:284:A:MET:HE2	2:336:A:ARG:HB2	2	0.21
(4,2928)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	3	0.21
(4,2928)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	12	0.21
(4,2908)	2:341:A:LYS:HE2	2:341:A:LYS:HA	15	0.21
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	14	0.21
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	9	0.21
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD11	20	0.21
(4,2839)	2:334:A:ARG:HG2	2:334:A:ARG:HA	15	0.21
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	12	0.21
(4,2831)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	16	0.21
(4,2775)	2:229:A:ALA:HB3	2:231:A:LEU:H	14	0.21
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	16	0.21
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	2	0.21
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	12	0.21
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB1	13	0.21
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	14	0.21
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	4	0.21
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	8	0.21
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	9	0.21
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	11	0.21
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB2	11	0.21
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB3	12	0.21
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	4	0.21
(4,2445)	2:315:A:VAL:HG12	2:262:A:VAL:H	10	0.21
(4,2396)	2:236:A:THR:HG21	2:237:A:GLU:H	9	0.21
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	5	0.21
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	19	0.21
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	10	0.21
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	12	0.21
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	11	0.21
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	14	0.21
(4,2204)	2:312:A:VAL:HG11	2:309:A:VAL:H	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	12	0.21
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	15	0.21
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	16	0.21
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	13	0.21
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	18	0.21
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	3	0.21
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	9	0.21
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	13	0.21
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	15	0.21
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	19	0.21
(4,2175)	2:276:A:MET:H	2:276:A:MET:HB2	19	0.21
(4,2145)	2:281:A:LEU:HD11	2:337:A:ARG:H	15	0.21
(4,2023)	2:276:A:MET:HE1	2:272:A:ALA:HA	15	0.21
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	5	0.21
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	10	0.21
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	12	0.21
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	16	0.21
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	12	0.21
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	16	0.21
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	15	0.21
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	9	0.21
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD21	16	0.21
(4,1980)	2:332:A:LEU:HG	2:332:A:LEU:HD22	20	0.21
(4,1973)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	4	0.21
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	8	0.21
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG23	15	0.21
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	17	0.21
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	16	0.21
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	11	0.21
(4,1935)	2:258:A:ILE:HD11	2:257:A:LEU:H	1	0.21
(4,1871)	2:250:A:VAL:HG23	2:250:A:VAL:H	20	0.21
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	12	0.21
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	19	0.21
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	4	0.21
(4,1814)	2:317:A:ARG:H	2:315:A:VAL:HG21	19	0.21
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	4	0.21
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	7	0.21
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	10	0.21
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	15	0.21
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	20	0.21
(4,1777)	2:299:A:SER:HB3	2:301:A:ASP:H	1	0.21
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	17	0.21
(4,1619)	2:259:A:VAL:HB	2:261:A:LEU:H	12	0.21
(4,1609)	2:315:A:VAL:HG11	2:262:A:VAL:H	6	0.21
(4,1589)	2:229:A:ALA:HB3	2:230:A:GLU:H	6	0.21
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	9	0.21
(4,1568)	2:241:A:ALA:HB3	2:241:A:ALA:H	16	0.21
(4,1476)	2:300:A:GLY:H	2:299:A:SER:HB3	19	0.21
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD2	2	0.21
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	20	0.21
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	4	0.21
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	18	0.21
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	19	0.21
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	14	0.21
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	4	0.21
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	14	0.21
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	3	0.21
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	15	0.21
(4,1314)	2:267:A:ARG:H	2:263:A:SER:HA	16	0.21
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	12	0.21
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	16	0.21
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	13	0.21
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	6	0.21
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	14	0.21
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	6	0.21
(4,1187)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	15	0.21
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	6	0.21
(4,1153)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	17	0.21
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	6	0.21
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	12	0.21
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG11	4	0.21
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	12	0.21
(4,1059)	2:282:A:ILE:HG23	2:336:A:ARG:H	17	0.21
(4,1055)	2:322:A:GLN:HG3	2:322:A:GLN:HA	7	0.21
(4,1033)	2:271:A:SER:HG	2:272:A:ALA:HB1	2	0.21
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	14	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	2	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	4	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	9	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	10	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	11	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	12	0.21
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	19	0.21
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	15	0.21
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	17	0.21
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	8	0.21
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	20	0.21
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB3	1	0.21
(4,932)	2:305:A:ASP:HA	2:308:A:ALA:HB2	16	0.21
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	6	0.21
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	9	0.21
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	20	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	1	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	3	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	8	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	9	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	15	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	17	0.21
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	20	0.21
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	14	0.21
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	20	0.21
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	2	0.21
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	7	0.21
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	14	0.21
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	15	0.21
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD21	8	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	1	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	2	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	6	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	14	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	18	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	19	0.21
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	20	0.21
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	16	0.21
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG21	19	0.21
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG21	20	0.21
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG12	6	0.21
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	16	0.21
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG11	20	0.21
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB3	5	0.21
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB2	17	0.21
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	7	0.21
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	6	0.21
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	6	0.21
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	1	0.21
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	12	0.21
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	13	0.21
(4,775)	2:257:A:LEU:HB3	2:260:A:ASN:HB3	2	0.21
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	2	0.21
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	5	0.21
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	8	0.21
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	1	0.21
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	3	0.21
(4,684)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	5	0.21
(4,684)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	11	0.21
(4,684)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	19	0.21
(4,680)	2:292:A:ASN:HB2	2:292:A:ASN:HD22	15	0.21
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	3	0.21
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	8	0.21
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	16	0.21
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	17	0.21
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	20	0.21
(4,677)	2:280:A:VAL:H	2:279:A:GLU:HG3	7	0.21
(4,677)	2:280:A:VAL:H	2:279:A:GLU:HG3	15	0.21
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	4	0.21
(4,673)	2:283:A:GLU:HG2	2:292:A:ASN:HB3	5	0.21
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	12	0.21
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	2	0.21
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	8	0.21
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	9	0.21
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	1	0.21
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	5	0.21
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	13	0.21
(4,553)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	19	0.21
(4,552)	2:250:A:VAL:HG22	2:249:A:GLU:HB2	18	0.21
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	5	0.21
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	9	0.21
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	11	0.21
(4,524)	2:253:A:SER:HA	2:253:A:SER:HB3	12	0.21
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	20	0.21
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	4	0.21
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	6	0.21
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	20	0.21
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	1	0.21
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	9	0.21
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	18	0.21
(4,376)	2:244:A:ASP:HB2	2:244:A:ASP:HA	2	0.21
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	6	0.21
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	11	0.21
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	19	0.21
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	11	0.21
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	1	0.21
(4,317)	2:289:A:THR:HG21	2:317:A:ARG:HA	3	0.21
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	4	0.21
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	18	0.21
(4,309)	2:270:A:PRO:HG3	2:270:A:PRO:HD2	3	0.21
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD22	3	0.21
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	9	0.21
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	7	0.21
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	3	0.21
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	4	0.21
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	11	0.21
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	16	0.21
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	1	0.21
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	15	0.21
(4,253)	2:328:A:THR:HG22	2:324:A:LEU:HD12	11	0.21
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	6	0.21
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	19	0.21
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	12	0.21
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	14	0.21
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD11	19	0.21
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	3	0.21
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	9	0.21
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG23	6	0.21
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	8	0.21
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	13	0.21
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	18	0.21
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	5	0.21
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	16	0.21
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	12	0.21
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	13	0.21
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	10	0.21
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	13	0.21
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	2	0.21
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	19	0.21
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG22	20	0.21
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	16	0.21
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	4	0.21
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	14	0.21
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	16	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	3	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	4	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	6	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	7	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	9	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	12	0.21
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	20	0.21
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	11	0.21
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	7	0.21
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	13	0.21
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	12	0.21
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	19	0.21
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	20	0.21
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	13	0.21
(3,530)	2:240:A:GLN:HG2	2:240:A:GLN:HA	20	0.21
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG21	12	0.21
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	1	0.21
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	12	0.21
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	19	0.21
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	18	0.21
(3,497)	2:237:A:GLU:HG2	2:237:A:GLU:HA	16	0.21
(3,487)	2:317:A:ARG:H	2:317:A:ARG:HB3	4	0.21
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	4	0.21
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	10	0.21
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	20	0.21
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA2	3	0.21
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	14	0.21
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	16	0.21
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	3	0.21
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	7	0.21
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	16	0.21
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	8	0.21
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG22	9	0.21
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	13	0.21
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	19	0.21
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	4	0.21
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	12	0.21
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	15	0.21
(3,391)	2:338:A:ILE:HG23	2:339:A:ILE:H	5	0.21
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	2	0.21
(3,389)	2:302:A:LYS:HB3	2:306:A:SER:HB2	17	0.21
(3,381)	2:261:A:LEU:HG	2:260:A:ASN:HB2	14	0.21
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	4	0.21
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	3	0.21
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	4	0.21
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	6	0.21
(3,305)	2:282:A:ILE:H	2:281:A:LEU:HG	10	0.21
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	4	0.21
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	10	0.21
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	6	0.21
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	10	0.21
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	16	0.21
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	15	0.21
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG3	3	0.21
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG3	20	0.21
(3,243)	2:238:A:ARG:HB2	2:239:A:GLN:H	5	0.21
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	5	0.21
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	17	0.21
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	1	0.21
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	3	0.21
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG13	7	0.21
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	14	0.21
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	19	0.21
(3,184)	2:254:A:LEU:HD21	2:324:A:LEU:H	18	0.21
(3,182)	2:276:A:MET:H	2:276:A:MET:HG3	10	0.21
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	18	0.21
(3,165)	2:318:A:ILE:HD11	2:290:A:ILE:H	15	0.21
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG22	3	0.21
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG21	7	0.21
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG21	12	0.21
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	17	0.21
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	6	0.21
(3,101)	2:247:A:GLY:HA2	2:248:A:SER:H	12	0.21
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	13	0.21
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	17	0.21
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	11	0.21
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	14	0.21
(3,38)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	18	0.21
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	7	0.21
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	12	0.21
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	10	0.21
(3,16)	2:248:A:SER:HA	2:248:A:SER:HB2	14	0.21
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	17	0.21
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	19	0.21
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	10	0.2
(4,4433)	1:10:B:ASN:HB2	1:10:B:ASN:H	8	0.2
(4,4430)	1:11:B:ASP:H	1:11:B:ASP:HB3	17	0.2
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	12	0.2
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	15	0.2
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	2	0.2
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	3	0.2
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	16	0.2
(4,4354)	2:302:A:LYS:HA	2:302:A:LYS:HG3	5	0.2
(4,4354)	2:302:A:LYS:HA	2:302:A:LYS:HG3	6	0.2
(4,4354)	2:302:A:LYS:HA	2:302:A:LYS:HG3	9	0.2
(4,4354)	2:302:A:LYS:HA	2:302:A:LYS:HG3	19	0.2
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	19	0.2
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	2	0.2
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	3	0.2
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	3	0.2
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	5	0.2
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	6	0.2
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	9	0.2
(4,4241)	2:343:A:GLU:HG2	1:7:B:SER:HA	9	0.2
(4,4231)	2:280:A:VAL:HG12	2:281:A:LEU:H	13	0.2
(4,4204)	2:321:A:MET:H	2:318:A:ILE:HG23	4	0.2
(4,4192)	2:267:A:ARG:HG2	2:267:A:ARG:HA	13	0.2
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE1	15	0.2
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	12	0.2
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	16	0.2
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	1	0.2
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	5	0.2
(4,4137)	2:347:A:LEU:HD12	2:347:A:LEU:HA	19	0.2
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	4	0.2
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	5	0.2
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	12	0.2
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	17	0.2
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	19	0.2
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4065)	1:6:B:ILE:HG23	2:259:A:VAL:HG22	10	0.2
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG22	19	0.2
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	18	0.2
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD11	6	0.2
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	8	0.2
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD21	3	0.2
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	9	0.2
(4,4021)	2:272:A:ALA:HB3	2:273:A:ARG:HA	20	0.2
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	12	0.2
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	8	0.2
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	14	0.2
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	16	0.2
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	20	0.2
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	15	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	6	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	11	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	12	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	17	0.2
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	19	0.2
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	2	0.2
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	3	0.2
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	4	0.2
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	5	0.2
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	10	0.2
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE1	14	0.2
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	5	0.2
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	13	0.2
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	18	0.2
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	8	0.2
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	18	0.2
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	19	0.2
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	10	0.2
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	1	0.2
(4,3771)	1:6:B:ILE:HD13	2:259:A:VAL:HA	4	0.2
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	10	0.2
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	13	0.2
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	16	0.2
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	1	0.2
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	12	0.2
(4,3753)	2:270:A:PRO:HG2	2:270:A:PRO:HA	19	0.2
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	5	0.2
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	14	0.2
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	7	0.2
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	15	0.2
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	17	0.2
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	1	0.2
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	4	0.2
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	13	0.2
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	20	0.2
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	2	0.2
(4,3603)	2:327:A:ALA:HB3	2:327:A:ALA:H	3	0.2
(4,3603)	2:327:A:ALA:HB3	2:327:A:ALA:H	7	0.2
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	15	0.2
(4,3559)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	13	0.2
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	5	0.2
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	6	0.2
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	19	0.2
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG23	8	0.2
(4,3483)	2:250:A:VAL:HG23	2:249:A:GLU:HB2	11	0.2
(4,3480)	2:250:A:VAL:HG12	2:251:A:THR:H	5	0.2
(4,3469)	2:249:A:GLU:HA	2:249:A:GLU:HB3	9	0.2
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	5	0.2
(4,3460)	2:307:A:SER:H	2:306:A:SER:HB2	15	0.2
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	3	0.2
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	6	0.2
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	16	0.2
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	1	0.2
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	4	0.2
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	7	0.2
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	9	0.2
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	8	0.2
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	18	0.2
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	1	0.2
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	2	0.2
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	6	0.2
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	7	0.2
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	13	0.2
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	2	0.2
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	4	0.2
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	17	0.2
(4,3349)	1:6:B:ILE:HB	2:338:A:ILE:HG23	15	0.2
(4,3336)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	16	0.2
(4,3290)	2:272:A:ALA:HB3	2:304:A:PHE:HA	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3290)	2:272:A:ALA:HB1	2:304:A:PHE:HA	19	0.2
(4,3286)	2:321:A:MET:HE1	2:284:A:MET:HE1	20	0.2
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	7	0.2
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	13	0.2
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	15	0.2
(4,3239)	2:259:A:VAL:HG22	2:256:A:ASP:HA	1	0.2
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	3	0.2
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	8	0.2
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	12	0.2
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	1	0.2
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	8	0.2
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	19	0.2
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	12	0.2
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE3	15	0.2
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	11	0.2
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	19	0.2
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	2	0.2
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	8	0.2
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	11	0.2
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	12	0.2
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	13	0.2
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	5	0.2
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	9	0.2
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	11	0.2
(4,3147)	1:6:B:ILE:HD12	2:259:A:VAL:HA	17	0.2
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	19	0.2
(4,3147)	1:6:B:ILE:HD11	2:259:A:VAL:HA	20	0.2
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	10	0.2
(4,3140)	2:276:A:MET:HB3	2:272:A:ALA:HA	9	0.2
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	10	0.2
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	20	0.2
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	1	0.2
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB2	1	0.2
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	5	0.2
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	15	0.2
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB1	16	0.2
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	17	0.2
(4,3117)	2:280:A:VAL:HG11	2:295:A:VAL:HA	1	0.2
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	6	0.2
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	2	0.2
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	8	0.2
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG22	4	0.2
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	9	0.2
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	10	0.2
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	9	0.2
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	6	0.2
(4,2998)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	8	0.2
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	3	0.2
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	7	0.2
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG21	12	0.2
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	19	0.2
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	7	0.2
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	18	0.2
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	1	0.2
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	6	0.2
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	17	0.2
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	19	0.2
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD12	4	0.2
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	11	0.2
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	6	0.2
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	15	0.2
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	8	0.2
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	18	0.2
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	20	0.2
(4,2775)	2:229:A:ALA:HB1	2:231:A:LEU:H	9	0.2
(4,2762)	2:250:A:VAL:HG23	2:250:A:VAL:H	10	0.2
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	7	0.2
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	18	0.2
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	1	0.2
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	7	0.2
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	14	0.2
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	17	0.2
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	3	0.2
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	6	0.2
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	11	0.2
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB3	17	0.2
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	7	0.2
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	19	0.2
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	3	0.2
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB1	16	0.2
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB2	10	0.2
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	1	0.2
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2390)	2:243:A:ALA:HB1	2:243:A:ALA:H	13	0.2
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	1	0.2
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	1	0.2
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	4	0.2
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	12	0.2
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	20	0.2
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	19	0.2
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	6	0.2
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	7	0.2
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	19	0.2
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	15	0.2
(4,2232)	2:250:A:VAL:HG21	2:251:A:THR:H	15	0.2
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	19	0.2
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	5	0.2
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	6	0.2
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	10	0.2
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	11	0.2
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	16	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	2	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	4	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	6	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	7	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	8	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	10	0.2
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	12	0.2
(4,2178)	2:324:A:LEU:H	2:323:A:GLN:HB3	10	0.2
(4,2161)	2:276:A:MET:HG2	2:273:A:ARG:H	10	0.2
(4,2161)	2:276:A:MET:HG2	2:273:A:ARG:H	16	0.2
(4,2073)	2:347:A:LEU:HD13	2:347:A:LEU:H	12	0.2
(4,2043)	2:254:A:LEU:HB3	2:254:A:LEU:HD11	14	0.2
(4,2042)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	14	0.2
(4,2028)	2:339:A:ILE:HD12	2:279:A:GLU:HG2	15	0.2
(4,2023)	2:276:A:MET:HE3	2:272:A:ALA:HA	6	0.2
(4,2010)	2:258:A:ILE:HG22	2:338:A:ILE:HG21	3	0.2
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	9	0.2
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	3	0.2
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	20	0.2
(4,1988)	2:284:A:MET:HE3	2:288:A:GLY:HA3	2	0.2
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	15	0.2
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	10	0.2
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	18	0.2
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	14	0.2
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD13	9	0.2
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	1	0.2
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	8	0.2
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD21	10	0.2
(4,1881)	2:229:A:ALA:HB3	2:231:A:LEU:H	14	0.2
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	2	0.2
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	11	0.2
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	12	0.2
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB1	13	0.2
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	14	0.2
(4,1758)	2:285:A:LEU:HB2	2:287:A:ASP:H	17	0.2
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	6	0.2
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	4	0.2
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	8	0.2
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	9	0.2
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	11	0.2
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB2	11	0.2
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB3	12	0.2
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	4	0.2
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	8	0.2
(4,1609)	2:315:A:VAL:HG12	2:262:A:VAL:H	10	0.2
(4,1572)	2:236:A:THR:HG21	2:237:A:GLU:H	9	0.2
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	6	0.2
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	12	0.2
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	19	0.2
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	4	0.2
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	11	0.2
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	14	0.2
(4,1430)	2:312:A:VAL:HG11	2:309:A:VAL:H	19	0.2
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	15	0.2
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	16	0.2
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	13	0.2
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	18	0.2
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	3	0.2
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	9	0.2
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	13	0.2
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	15	0.2
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	19	0.2
(4,1406)	2:276:A:MET:H	2:276:A:MET:HB2	19	0.2
(4,1379)	2:281:A:LEU:HD11	2:337:A:ARG:H	15	0.2
(4,1270)	1:10:B:ASN:HB2	1:10:B:ASN:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	6	0.2
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	5	0.2
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	4	0.2
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	11	0.2
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	15	0.2
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	16	0.2
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	1	0.2
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	3	0.2
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	4	0.2
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	19	0.2
(4,1090)	2:284:A:MET:HE2	2:321:A:MET:HG2	12	0.2
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE1	3	0.2
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG11	6	0.2
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	6	0.2
(4,1055)	2:322:A:GLN:HG3	2:322:A:GLN:HA	16	0.2
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	12	0.2
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	19	0.2
(4,1025)	2:313:A:ARG:HA	2:293:A:ALA:HB3	2	0.2
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	1	0.2
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	3	0.2
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	5	0.2
(4,995)	2:257:A:LEU:HB3	2:257:A:LEU:H	17	0.2
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	4	0.2
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	1	0.2
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	3	0.2
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	11	0.2
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	7	0.2
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	18	0.2
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	19	0.2
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	3	0.2
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	10	0.2
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	6	0.2
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	11	0.2
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	17	0.2
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	20	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	3	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	4	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	5	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	7	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	8	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	9	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	11	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	12	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	13	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	15	0.2
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	16	0.2
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	6	0.2
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	14	0.2
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	1	0.2
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	13	0.2
(4,830)	2:321:A:MET:HE3	2:321:A:MET:H	9	0.2
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	4	0.2
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG22	8	0.2
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG22	15	0.2
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	5	0.2
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	18	0.2
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	19	0.2
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	6	0.2
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	7	0.2
(4,732)	2:274:A:ASN:H	2:274:A:ASN:HB3	18	0.2
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	1	0.2
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	18	0.2
(4,709)	2:278:A:VAL:H	2:277:A:SER:HB3	15	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	2	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	9	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	11	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	13	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	18	0.2
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	19	0.2
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	1	0.2
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	14	0.2
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	17	0.2
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	9	0.2
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	8	0.2
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	13	0.2
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	18	0.2
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	6	0.2
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	13	0.2
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	3	0.2
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	12	0.2
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	3	0.2
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	1	0.2
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	18	0.2
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	1	0.2
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	6	0.2
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	19	0.2
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	11	0.2
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	9	0.2
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	10	0.2
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	16	0.2
(4,412)	2:336:A:ARG:HB3	2:284:A:MET:HE3	18	0.2
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	4	0.2
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	5	0.2
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	15	0.2
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	5	0.2
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG21	3	0.2
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	1	0.2
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	10	0.2
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	16	0.2
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	3	0.2
(4,324)	2:290:A:ILE:HG23	2:290:A:ILE:HA	7	0.2
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	17	0.2
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	20	0.2
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	9	0.2
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	12	0.2
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	14	0.2
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	7	0.2
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	18	0.2
(4,250)	2:324:A:LEU:HD13	2:329:A:PHE:HD1	3	0.2
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	11	0.2
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	12	0.2
(4,231)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	16	0.2
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	4	0.2
(4,195)	2:302:A:LYS:HA	2:302:A:LYS:HG3	5	0.2
(4,195)	2:302:A:LYS:HA	2:302:A:LYS:HG3	6	0.2
(4,195)	2:302:A:LYS:HA	2:302:A:LYS:HG3	9	0.2
(4,195)	2:302:A:LYS:HA	2:302:A:LYS:HG3	19	0.2
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	3	0.2
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD12	13	0.2
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	4	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	1	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	2	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	4	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	10	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG23	11	0.2
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	20	0.2
(4,151)	2:284:A:MET:HE2	2:336:A:ARG:HB2	2	0.2
(4,127)	2:345:A:LEU:HD11	2:345:A:LEU:HB3	7	0.2
(4,127)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	12	0.2
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	10	0.2
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	17	0.2
(4,44)	2:334:A:ARG:HG2	2:334:A:ARG:HA	15	0.2
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	12	0.2
(4,35)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	16	0.2
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	5	0.2
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	7	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	2	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	10	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	13	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	14	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	15	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	17	0.2
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	19	0.2
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	11	0.2
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	10	0.2
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	11	0.2
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	19	0.2
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	15	0.2
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	1	0.2
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	2	0.2
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	3	0.2
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	7	0.2
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	16	0.2
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	11	0.2
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	16	0.2
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	17	0.2
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	19	0.2
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD3	19	0.2
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	1	0.2
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	8	0.2
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	16	0.2
(3,465)	2:233:A:SER:HB3	2:235:A:THR:H	5	0.2
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	1	0.2
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	11	0.2
(3,441)	2:276:A:MET:H	2:276:A:MET:HG3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,441)	2:276:A:MET:H	2:276:A:MET:HG3	17	0.2
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	1	0.2
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	9	0.2
(3,423)	2:321:A:MET:HE2	2:333:A:TYR:HA	1	0.2
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	12	0.2
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	20	0.2
(3,415)	2:262:A:VAL:H	2:261:A:LEU:HD11	18	0.2
(3,403)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	18	0.2
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	7	0.2
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	16	0.2
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	20	0.2
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	14	0.2
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	14	0.2
(3,355)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	8	0.2
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	11	0.2
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	17	0.2
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	18	0.2
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	8	0.2
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	15	0.2
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	1	0.2
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	2	0.2
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	5	0.2
(3,275)	2:317:A:ARG:H	2:317:A:ARG:HB3	4	0.2
(3,271)	2:231:A:LEU:HB2	2:231:A:LEU:H	9	0.2
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	4	0.2
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	10	0.2
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	20	0.2
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	13	0.2
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	4	0.2
(3,234)	2:313:A:ARG:H	2:293:A:ALA:HB3	2	0.2
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA2	3	0.2
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	12	0.2
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	14	0.2
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	2	0.2
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	11	0.2
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	16	0.2
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	7	0.2
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	16	0.2
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	13	0.2
(3,154)	2:321:A:MET:HE1	2:333:A:TYR:HA	9	0.2
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG23	4	0.2
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG23	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG22	15	0.2
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG22	16	0.2
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	12	0.2
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD12	8	0.2
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG3	9	0.2
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	11	0.2
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	8	0.2
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	3	0.2
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	4	0.2
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	11	0.2
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	12	0.2
(3,95)	2:321:A:MET:HB2	2:288:A:GLY:HA2	16	0.2
(3,83)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	17	0.2
(3,77)	2:251:A:THR:HB	2:332:A:LEU:HD23	9	0.2
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	5	0.2
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	10	0.2
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	11	0.2
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	14	0.2
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	16	0.2
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	13	0.2
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG21	12	0.2
(3,38)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	15	0.2
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	1	0.2
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	19	0.2
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	18	0.2
(3,13)	2:237:A:GLU:HG2	2:237:A:GLU:HA	16	0.2
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	17	0.19
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	6	0.19
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	10	0.19
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	18	0.19
(4,4321)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	17	0.19
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	1	0.19
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	7	0.19
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	6	0.19
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	2	0.19
(4,4274)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	10	0.19
(4,4263)	2:328:A:THR:HG23	2:324:A:LEU:HG	16	0.19
(4,4259)	2:258:A:ILE:HD11	2:333:A:TYR:HA	10	0.19
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	11	0.19
(4,4242)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	10	0.19
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	7	0.19
(4,4237)	2:272:A:ALA:HB2	2:345:A:LEU:HD23	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4212)	2:315:A:VAL:HG11	2:315:A:VAL:HA	5	0.19
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE2	5	0.19
(4,4172)	2:318:A:ILE:H	2:284:A:MET:HE2	7	0.19
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	4	0.19
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	9	0.19
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	13	0.19
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	14	0.19
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	15	0.19
(4,4133)	2:282:A:ILE:HG21	2:336:A:ARG:H	1	0.19
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	1	0.19
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	2	0.19
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	3	0.19
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	4	0.19
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	6	0.19
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	17	0.19
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	15	0.19
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	14	0.19
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	20	0.19
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	6	0.19
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	15	0.19
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	7	0.19
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD11	2	0.19
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	10	0.19
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD12	11	0.19
(4,4059)	2:258:A:ILE:HA	2:258:A:ILE:HD13	16	0.19
(4,4054)	2:252:A:GLY:H	2:332:A:LEU:HD13	13	0.19
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	14	0.19
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	16	0.19
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	7	0.19
(4,4007)	2:302:A:LYS:H	2:303:A:PRO:HD3	15	0.19
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB3	4	0.19
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB2	14	0.19
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB3	20	0.19
(4,3966)	2:312:A:VAL:HA	2:311:A:ALA:HB3	5	0.19
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	6	0.19
(4,3946)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	13	0.19
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	20	0.19
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	3	0.19
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	19	0.19
(4,3859)	2:321:A:MET:HE2	2:333:A:TYR:H	14	0.19
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	6	0.19
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	18	0.19
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	18	0.19
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	10	0.19
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	5	0.19
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	8	0.19
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	9	0.19
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	11	0.19
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	15	0.19
(4,3771)	1:6:B:ILE:HD12	2:259:A:VAL:HA	17	0.19
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	20	0.19
(4,3758)	2:259:A:VAL:HG21	2:259:A:VAL:H	10	0.19
(4,3758)	2:259:A:VAL:HG23	2:259:A:VAL:H	13	0.19
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	1	0.19
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	15	0.19
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	18	0.19
(4,3713)	2:277:A:SER:H	2:276:A:MET:HB2	9	0.19
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	1	0.19
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	10	0.19
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	16	0.19
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	18	0.19
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	18	0.19
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	10	0.19
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	16	0.19
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	9	0.19
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	18	0.19
(4,3603)	2:327:A:ALA:HB3	2:327:A:ALA:H	6	0.19
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	20	0.19
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	13	0.19
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	10	0.19
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG22	19	0.19
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	10	0.19
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	11	0.19
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	12	0.19
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG21	16	0.19
(4,3468)	2:249:A:GLU:HA	2:249:A:GLU:HB2	15	0.19
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	19	0.19
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	1	0.19
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	12	0.19
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	7	0.19
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	8	0.19
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	9	0.19
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD12	2	0.19
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	17	0.19
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	17	0.19
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	4	0.19
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	5	0.19
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	9	0.19
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	6	0.19
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	20	0.19
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	6	0.19
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	9	0.19
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	13	0.19
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	2	0.19
(4,3286)	2:321:A:MET:HE3	2:284:A:MET:HE3	3	0.19
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	13	0.19
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	14	0.19
(4,3247)	1:6:B:ILE:HG21	2:259:A:VAL:HG13	16	0.19
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE3	8	0.19
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	11	0.19
(4,3239)	2:259:A:VAL:HG21	2:256:A:ASP:HA	17	0.19
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB1	18	0.19
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	3	0.19
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	7	0.19
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	19	0.19
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	20	0.19
(4,3192)	2:276:A:MET:HA	2:276:A:MET:HE2	19	0.19
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE1	14	0.19
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	6	0.19
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	10	0.19
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	7	0.19
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	20	0.19
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	7	0.19
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	20	0.19
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	2	0.19
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	8	0.19
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	14	0.19
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	8	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	4	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	7	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	18	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	19	0.19
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB2	20	0.19
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD13	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	4	0.19
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	9	0.19
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	5	0.19
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	4	0.19
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG23	7	0.19
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG21	18	0.19
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	7	0.19
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	9	0.19
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	13	0.19
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG12	15	0.19
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG23	14	0.19
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	15	0.19
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	16	0.19
(4,2957)	2:284:A:MET:HE2	2:336:A:ARG:HB2	9	0.19
(4,2928)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	18	0.19
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	7	0.19
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	18	0.19
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	18	0.19
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	8	0.19
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	5	0.19
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD13	6	0.19
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD11	11	0.19
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	10	0.19
(4,2839)	2:334:A:ARG:HG2	2:334:A:ARG:HA	9	0.19
(4,2839)	2:334:A:ARG:HG2	2:334:A:ARG:HA	12	0.19
(4,2831)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	1	0.19
(4,2831)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	13	0.19
(4,2821)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	18	0.19
(4,2812)	2:328:A:THR:HB	2:324:A:LEU:HB2	1	0.19
(4,2795)	2:277:A:SER:HB2	2:339:A:ILE:HG23	4	0.19
(4,2769)	2:228:A:LEU:HB2	2:228:A:LEU:H	11	0.19
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	20	0.19
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	3	0.19
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	11	0.19
(4,2669)	2:311:A:ALA:H	2:310:A:ALA:HB2	8	0.19
(4,2651)	2:299:A:SER:HB3	2:301:A:ASP:H	19	0.19
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	15	0.19
(4,2591)	2:256:A:ASP:H	2:259:A:VAL:HG21	14	0.19
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	3	0.19
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	5	0.19
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	15	0.19
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	6	0.19
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	10	0.19
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	20	0.19
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	13	0.19
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	6	0.19
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	8	0.19
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	10	0.19
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	11	0.19
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	14	0.19
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	2	0.19
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	5	0.19
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	8	0.19
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	11	0.19
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	13	0.19
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	3	0.19
(4,2232)	2:250:A:VAL:HG23	2:251:A:THR:H	2	0.19
(4,2204)	2:312:A:VAL:HG13	2:309:A:VAL:H	3	0.19
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	7	0.19
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	1	0.19
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	14	0.19
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	17	0.19
(4,2180)	2:324:A:LEU:HB3	2:324:A:LEU:H	18	0.19
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG23	1	0.19
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	3	0.19
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	17	0.19
(4,2010)	2:258:A:ILE:HG21	2:338:A:ILE:HG21	7	0.19
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	7	0.19
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	19	0.19
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	18	0.19
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	17	0.19
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	6	0.19
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	2	0.19
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	15	0.19
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	19	0.19
(4,1881)	2:229:A:ALA:HB1	2:231:A:LEU:H	9	0.19
(4,1871)	2:250:A:VAL:HG23	2:250:A:VAL:H	10	0.19
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	7	0.19
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	18	0.19
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	3	0.19
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	6	0.19
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB3	17	0.19
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	7	0.19
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	19	0.19
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	3	0.19
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB1	16	0.19
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB2	10	0.19
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	1	0.19
(4,1704)	2:237:A:GLU:HB2	2:238:A:ARG:H	9	0.19
(4,1566)	2:243:A:ALA:HB1	2:243:A:ALA:H	13	0.19
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	7	0.19
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	15	0.19
(4,1452)	2:250:A:VAL:HG21	2:251:A:THR:H	15	0.19
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	5	0.19
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	6	0.19
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	10	0.19
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	11	0.19
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	12	0.19
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	16	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	2	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	4	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	6	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	7	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	8	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	10	0.19
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	12	0.19
(4,1410)	2:324:A:LEU:H	2:323:A:GLN:HB3	10	0.19
(4,1394)	2:276:A:MET:HG2	2:273:A:ARG:H	10	0.19
(4,1394)	2:276:A:MET:HG2	2:273:A:ARG:H	16	0.19
(4,1329)	2:347:A:LEU:HD13	2:347:A:LEU:H	12	0.19
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB2	2	0.19
(4,1251)	1:8:B:SER:H	1:6:B:ILE:HG13	18	0.19
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	3	0.19
(4,1223)	2:276:A:MET:HE3	2:301:A:ASP:HB2	15	0.19
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	8	0.19
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	10	0.19
(4,1161)	2:328:A:THR:HG22	2:324:A:LEU:HG	5	0.19
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	12	0.19
(4,1153)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	8	0.19
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	9	0.19
(4,1122)	2:315:A:VAL:HG12	2:315:A:VAL:HA	9	0.19
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	10	0.19
(4,1096)	2:284:A:MET:HE1	2:321:A:MET:H	14	0.19
(4,1093)	2:321:A:MET:HE3	2:284:A:MET:HE3	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1093)	2:321:A:MET:HE1	2:284:A:MET:HE1	20	0.19
(4,1090)	2:284:A:MET:HE1	2:321:A:MET:HG2	14	0.19
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	7	0.19
(4,992)	2:247:A:GLY:H	2:246:A:VAL:HB	2	0.19
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	7	0.19
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	4	0.19
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	5	0.19
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	6	0.19
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	12	0.19
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	13	0.19
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	19	0.19
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	2	0.19
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	4	0.19
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	13	0.19
(4,921)	2:313:A:ARG:H	2:312:A:VAL:HB	5	0.19
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	8	0.19
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	8	0.19
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	9	0.19
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	18	0.19
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	18	0.19
(4,886)	2:299:A:SER:HG	2:276:A:MET:HE3	19	0.19
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	5	0.19
(4,878)	2:281:A:LEU:HD11	2:296:A:SER:HB3	20	0.19
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD13	11	0.19
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	16	0.19
(4,876)	2:281:A:LEU:HD13	2:335:A:GLN:HE21	20	0.19
(4,868)	2:296:A:SER:H	2:295:A:VAL:HB	17	0.19
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	2	0.19
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	11	0.19
(4,860)	2:296:A:SER:H	2:295:A:VAL:HG13	14	0.19
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB1	9	0.19
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	8	0.19
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	17	0.19
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	18	0.19
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	19	0.19
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	12	0.19
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	16	0.19
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	17	0.19
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	15	0.19
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	14	0.19
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	20	0.19
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	5	0.19
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	6	0.19
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	7	0.19
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	10	0.19
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	14	0.19
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	1	0.19
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	18	0.19
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	20	0.19
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	13	0.19
(4,639)	2:327:A:ALA:HB3	2:327:A:ALA:H	1	0.19
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	14	0.19
(4,612)	2:335:A:GLN:H	2:334:A:ARG:HB3	8	0.19
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	4	0.19
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG23	20	0.19
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	6	0.19
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	8	0.19
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	12	0.19
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	17	0.19
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	6	0.19
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	8	0.19
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	17	0.19
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	10	0.19
(4,524)	2:253:A:SER:HA	2:253:A:SER:HB3	13	0.19
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	20	0.19
(4,504)	2:237:A:GLU:HA	2:237:A:GLU:HB2	5	0.19
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD13	10	0.19
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	11	0.19
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	14	0.19
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	8	0.19
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG12	5	0.19
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG13	6	0.19
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	11	0.19
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	12	0.19
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	17	0.19
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	18	0.19
(4,387)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	14	0.19
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	3	0.19
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	8	0.19
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	1	0.19
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	12	0.19
(4,331)	2:321:A:MET:HE2	2:288:A:GLY:HA2	9	0.19
(4,329)	2:321:A:MET:HE2	2:321:A:MET:HA	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,328)	2:321:A:MET:HE3	2:321:A:MET:HG3	5	0.19
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	8	0.19
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	11	0.19
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	12	0.19
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	13	0.19
(4,317)	2:289:A:THR:HG22	2:317:A:ARG:HA	5	0.19
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	10	0.19
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	7	0.19
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	11	0.19
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB2	1	0.19
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	13	0.19
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	15	0.19
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB1	16	0.19
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	17	0.19
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG23	6	0.19
(4,270)	2:319:A:PRO:HD2	2:319:A:PRO:HB2	17	0.19
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	16	0.19
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	19	0.19
(4,250)	2:324:A:LEU:HD11	2:329:A:PHE:HD1	8	0.19
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	9	0.19
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	10	0.19
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG21	16	0.19
(4,208)	2:286:A:PRO:HD2	2:285:A:LEU:HA	17	0.19
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	10	0.19
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	18	0.19
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	2	0.19
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG13	3	0.19
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	4	0.19
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	6	0.19
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG11	13	0.19
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	16	0.19
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	19	0.19
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	3	0.19
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	7	0.19
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG21	12	0.19
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	17	0.19
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	19	0.19
(4,127)	2:345:A:LEU:HD12	2:345:A:LEU:HB3	3	0.19
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	4	0.19
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	9	0.19
(4,110)	2:341:A:LYS:HE2	2:341:A:LYS:HA	15	0.19
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	9	0.19
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD11	20	0.19
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	8	0.19
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	20	0.19
(3,595)	1:3:B:PRO:HG3	2:337:A:ARG:HD2	10	0.19
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	3	0.19
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD13	15	0.19
(3,592)	2:337:A:ARG:HD3	2:337:A:ARG:H	13	0.19
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	13	0.19
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	20	0.19
(3,579)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	18	0.19
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	19	0.19
(3,557)	2:343:A:GLU:HG3	2:343:A:GLU:H	6	0.19
(3,557)	2:343:A:GLU:HG3	2:343:A:GLU:H	15	0.19
(3,549)	2:346:A:SER:H	2:346:A:SER:HB3	3	0.19
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG22	11	0.19
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG21	14	0.19
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG21	16	0.19
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	4	0.19
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	5	0.19
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	20	0.19
(3,516)	2:238:A:ARG:HA	2:238:A:ARG:HG2	8	0.19
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	18	0.19
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	11	0.19
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	15	0.19
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	20	0.19
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	7	0.19
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	9	0.19
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	16	0.19
(3,492)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	5	0.19
(3,492)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	7	0.19
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	8	0.19
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	7	0.19
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	11	0.19
(3,478)	2:331:A:SER:H	2:329:A:PHE:HB3	2	0.19
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG2	10	0.19
(3,455)	2:249:A:GLU:H	2:247:A:GLY:HA2	2	0.19
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	16	0.19
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	18	0.19
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	2	0.19
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	12	0.19
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	2	0.19
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	13	0.19
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	2	0.19
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	7	0.19
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	11	0.19
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG21	20	0.19
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	2	0.19
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	4	0.19
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	12	0.19
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	13	0.19
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG23	17	0.19
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	8	0.19
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	12	0.19
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	3	0.19
(3,372)	2:289:A:THR:HG21	2:290:A:ILE:HB	3	0.19
(3,372)	2:289:A:THR:HG23	2:290:A:ILE:HB	17	0.19
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	9	0.19
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	6	0.19
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	11	0.19
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	17	0.19
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	20	0.19
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	5	0.19
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	3	0.19
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	20	0.19
(3,285)	2:230:A:GLU:H	2:230:A:GLU:HG3	1	0.19
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	8	0.19
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	16	0.19
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	1	0.19
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	9	0.19
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	18	0.19
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	13	0.19
(3,232)	2:233:A:SER:HB3	2:235:A:THR:H	5	0.19
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	1	0.19
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	18	0.19
(3,211)	2:240:A:GLN:HB3	2:241:A:ALA:H	20	0.19
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	11	0.19
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	6	0.19
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	10	0.19
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD13	9	0.19
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD11	12	0.19
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD13	18	0.19
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,182)	2:276:A:MET:H	2:276:A:MET:HG3	9	0.19
(3,182)	2:276:A:MET:H	2:276:A:MET:HG3	17	0.19
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	3	0.19
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	9	0.19
(3,156)	2:334:A:ARG:HG2	2:334:A:ARG:HA	19	0.19
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	11	0.19
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	1	0.19
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD11	5	0.19
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	6	0.19
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	4	0.19
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	9	0.19
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG3	2	0.19
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG3	6	0.19
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	8	0.19
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD23	11	0.19
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	4	0.19
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	18	0.19
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	7	0.19
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	10	0.19
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	13	0.19
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	19	0.19
(3,100)	2:287:A:ASP:HB3	2:287:A:ASP:HA	5	0.19
(3,100)	2:287:A:ASP:HB3	2:287:A:ASP:HA	7	0.19
(3,100)	2:287:A:ASP:HB3	2:287:A:ASP:HA	13	0.19
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	2	0.19
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	4	0.19
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	16	0.19
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	19	0.19
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	20	0.19
(3,42)	2:240:A:GLN:HG2	2:240:A:GLN:HA	20	0.19
(3,38)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	5	0.19
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	11	0.19
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	12	0.19
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	16	0.19
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	19	0.19
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	4	0.18
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	6	0.18
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	5	0.18
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	2	0.18
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	10	0.18
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	11	0.18
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	13	0.18
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	18	0.18
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	5	0.18
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	17	0.18
(4,4286)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	12	0.18
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	18	0.18
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	19	0.18
(4,4252)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	10	0.18
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB3	15	0.18
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	12	0.18
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	19	0.18
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	17	0.18
(4,4204)	2:321:A:MET:H	2:318:A:ILE:HG22	7	0.18
(4,4186)	2:269:A:PRO:HG2	2:304:A:PHE:HA	13	0.18
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	17	0.18
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG12	19	0.18
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	1	0.18
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	9	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	3	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	6	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	8	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	12	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	16	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	18	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	19	0.18
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	20	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	5	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	9	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	12	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	16	0.18
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	18	0.18
(4,4123)	2:312:A:VAL:H	2:310:A:ALA:HA	18	0.18
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	1	0.18
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	3	0.18
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	12	0.18
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD22	9	0.18
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD22	13	0.18
(4,4065)	1:6:B:ILE:HG22	2:259:A:VAL:HG23	1	0.18
(4,4064)	1:6:B:ILE:HG23	2:259:A:VAL:HG11	15	0.18
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG23	5	0.18
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	13	0.18
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4030)	2:263:A:SER:HB2	2:264:A:GLN:H	7	0.18
(4,4021)	2:272:A:ALA:HB2	2:273:A:ARG:HA	2	0.18
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	3	0.18
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	15	0.18
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	18	0.18
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	7	0.18
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	13	0.18
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG13	18	0.18
(4,3943)	2:287:A:ASP:HB3	2:287:A:ASP:HA	16	0.18
(4,3913)	2:276:A:MET:HE1	2:304:A:PHE:HB3	4	0.18
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	7	0.18
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	11	0.18
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	16	0.18
(4,3864)	2:320:A:GLU:HA	2:320:A:GLU:HG3	13	0.18
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	10	0.18
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	12	0.18
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	13	0.18
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG23	5	0.18
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	6	0.18
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	7	0.18
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	8	0.18
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	9	0.18
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	14	0.18
(4,3771)	1:6:B:ILE:HD11	2:259:A:VAL:HA	19	0.18
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	12	0.18
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	5	0.18
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	8	0.18
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	10	0.18
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	6	0.18
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	6	0.18
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	9	0.18
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	11	0.18
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	1	0.18
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	9	0.18
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	3	0.18
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	11	0.18
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	19	0.18
(4,3614)	2:326:A:ARG:HG3	2:327:A:ALA:H	7	0.18
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	2	0.18
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	12	0.18
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	17	0.18
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3569)	2:335:A:GLN:H	2:334:A:ARG:HB3	8	0.18
(4,3560)	2:281:A:LEU:HD11	2:335:A:GLN:HA	1	0.18
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	9	0.18
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	3	0.18
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	9	0.18
(4,3480)	2:250:A:VAL:HG11	2:251:A:THR:H	4	0.18
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	7	0.18
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	12	0.18
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	12	0.18
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	18	0.18
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	6	0.18
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	1	0.18
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	9	0.18
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	18	0.18
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	1	0.18
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	4	0.18
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	17	0.18
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	8	0.18
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	19	0.18
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	5	0.18
(4,3325)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	5	0.18
(4,3293)	1:9:B:GLY:HA3	2:263:A:SER:HB2	8	0.18
(4,3289)	2:269:A:PRO:HG2	2:304:A:PHE:HA	4	0.18
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	7	0.18
(4,3247)	1:6:B:ILE:HG21	2:259:A:VAL:HG11	17	0.18
(4,3240)	2:318:A:ILE:HB	2:321:A:MET:HE2	12	0.18
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	15	0.18
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG23	6	0.18
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	15	0.18
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	6	0.18
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	9	0.18
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	11	0.18
(4,3189)	2:276:A:MET:HE3	2:301:A:ASP:HB3	11	0.18
(4,3189)	2:276:A:MET:HE1	2:301:A:ASP:HB3	13	0.18
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	16	0.18
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	4	0.18
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	12	0.18
(4,3179)	2:295:A:VAL:HG23	2:305:A:ASP:HB2	19	0.18
(4,3172)	2:321:A:MET:HE3	2:288:A:GLY:HA2	5	0.18
(4,3169)	2:321:A:MET:HE2	2:321:A:MET:HA	11	0.18
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	15	0.18
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3158)	2:299:A:SER:HB2	2:276:A:MET:HG3	18	0.18
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	15	0.18
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	19	0.18
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	1	0.18
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	2	0.18
(4,3143)	2:259:A:VAL:HG12	2:259:A:VAL:HA	12	0.18
(4,3143)	2:259:A:VAL:HG12	2:259:A:VAL:HA	20	0.18
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	19	0.18
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	11	0.18
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	8	0.18
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	11	0.18
(4,3117)	2:280:A:VAL:HG11	2:295:A:VAL:HA	6	0.18
(4,3117)	2:280:A:VAL:HG13	2:295:A:VAL:HA	10	0.18
(4,3117)	2:280:A:VAL:HG12	2:295:A:VAL:HA	13	0.18
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	19	0.18
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG21	20	0.18
(4,3077)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	17	0.18
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	15	0.18
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	17	0.18
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	5	0.18
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	2	0.18
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	3	0.18
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	11	0.18
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	17	0.18
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	1	0.18
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	8	0.18
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	10	0.18
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	14	0.18
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	15	0.18
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	16	0.18
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	17	0.18
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	20	0.18
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	6	0.18
(4,2957)	2:284:A:MET:HE2	2:336:A:ARG:HB2	19	0.18
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	5	0.18
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	16	0.18
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	2	0.18
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	16	0.18
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	4	0.18
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	7	0.18
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	16	0.18
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	6	0.18
(4,2763)	2:252:A:GLY:H	1:1:B:ALA:HB1	15	0.18
(4,2740)	2:346:A:SER:H	2:345:A:LEU:HD12	2	0.18
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	13	0.18
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	15	0.18
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	16	0.18
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	18	0.18
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	19	0.18
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	5	0.18
(4,2642)	2:293:A:ALA:H	2:292:A:ASN:HD22	14	0.18
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	14	0.18
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	17	0.18
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	20	0.18
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	15	0.18
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	16	0.18
(4,2564)	2:280:A:VAL:HG12	2:294:A:SER:H	13	0.18
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	8	0.18
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	11	0.18
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	13	0.18
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	15	0.18
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	19	0.18
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	2	0.18
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	17	0.18
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	19	0.18
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	15	0.18
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	2	0.18
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	19	0.18
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	20	0.18
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	11	0.18
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	18	0.18
(4,2417)	2:229:A:ALA:HB1	2:230:A:GLU:H	4	0.18
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	11	0.18
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	17	0.18
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	3	0.18
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	3	0.18
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	13	0.18
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	16	0.18
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	17	0.18
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	1	0.18
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	18	0.18
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG23	16	0.18
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	10	0.18
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	11	0.18
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	6	0.18
(4,2232)	2:250:A:VAL:HG23	2:251:A:THR:H	7	0.18
(4,2204)	2:312:A:VAL:HG12	2:309:A:VAL:H	16	0.18
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	17	0.18
(4,2145)	2:281:A:LEU:HD12	2:337:A:ARG:H	16	0.18
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG23	8	0.18
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	11	0.18
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG23	12	0.18
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	9	0.18
(4,2042)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	5	0.18
(4,2042)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	12	0.18
(4,2004)	2:259:A:VAL:HG23	2:338:A:ILE:HG12	1	0.18
(4,2004)	2:259:A:VAL:HG22	2:338:A:ILE:HG12	14	0.18
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	18	0.18
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG21	2	0.18
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	12	0.18
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	16	0.18
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	1	0.18
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	2	0.18
(4,1973)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	18	0.18
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	11	0.18
(4,1875)	2:228:A:LEU:HB2	2:228:A:LEU:H	11	0.18
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	20	0.18
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	19	0.18
(4,1792)	2:311:A:ALA:H	2:310:A:ALA:HB2	8	0.18
(4,1777)	2:299:A:SER:HB3	2:301:A:ASP:H	19	0.18
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	15	0.18
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	3	0.18
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	5	0.18
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	15	0.18
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	17	0.18
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	20	0.18
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	10	0.18
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	13	0.18
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	3	0.18
(4,1452)	2:250:A:VAL:HG23	2:251:A:THR:H	2	0.18
(4,1430)	2:312:A:VAL:HG13	2:309:A:VAL:H	3	0.18
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	19	0.18
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	7	0.18
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	14	0.18
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	17	0.18
(4,1412)	2:324:A:LEU:HB3	2:324:A:LEU:H	18	0.18
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	3	0.18
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	17	0.18
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	10	0.18
(4,1270)	1:10:B:ASN:HB2	1:10:B:ASN:H	8	0.18
(4,1267)	1:11:B:ASP:H	1:11:B:ASP:HB3	17	0.18
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	12	0.18
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	15	0.18
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	2	0.18
(4,1220)	2:276:A:MET:HE1	2:304:A:PHE:HD1	4	0.18
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	3	0.18
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	10	0.18
(4,1219)	2:276:A:MET:HE1	2:273:A:ARG:H	12	0.18
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	2	0.18
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	7	0.18
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	1	0.18
(4,1161)	2:328:A:THR:HG22	2:324:A:LEU:HG	11	0.18
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	3	0.18
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	4	0.18
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	7	0.18
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	8	0.18
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	1	0.18
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	8	0.18
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	13	0.18
(4,1122)	2:315:A:VAL:HG12	2:315:A:VAL:HA	15	0.18
(4,1105)	2:267:A:ARG:HG2	2:267:A:ARG:HA	4	0.18
(4,1065)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	17	0.18
(4,1055)	2:322:A:GLN:HG3	2:322:A:GLN:HA	5	0.18
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	3	0.18
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	6	0.18
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	7	0.18
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	14	0.18
(4,976)	2:339:A:ILE:HG22	2:277:A:SER:HB3	3	0.18
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	11	0.18
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	17	0.18
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	19	0.18
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	1	0.18
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	2	0.18
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	10	0.18
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	10	0.18
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB1	12	0.18
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	7	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	1	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	2	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	3	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	4	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	5	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	6	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	7	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	11	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	12	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	13	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	14	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	15	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	17	0.18
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	19	0.18
(4,878)	2:281:A:LEU:HD12	2:296:A:SER:HB3	8	0.18
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG21	3	0.18
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	9	0.18
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	10	0.18
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	14	0.18
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB3	8	0.18
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	19	0.18
(4,830)	2:321:A:MET:HE1	2:321:A:MET:H	10	0.18
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	7	0.18
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	8	0.18
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	1	0.18
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	4	0.18
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	16	0.18
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	17	0.18
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	7	0.18
(4,737)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	7	0.18
(4,730)	2:274:A:ASN:HB2	2:275:A:GLY:H	9	0.18
(4,725)	2:274:A:ASN:HB2	2:274:A:ASN:HD22	16	0.18
(4,684)	2:292:A:ASN:HD22	2:292:A:ASN:HB3	14	0.18
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	4	0.18
(4,679)	2:293:A:ALA:H	2:292:A:ASN:HB2	12	0.18
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	16	0.18
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	19	0.18
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	2	0.18
(4,639)	2:327:A:ALA:HB3	2:327:A:ALA:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	15	0.18
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	16	0.18
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	6	0.18
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG13	4	0.18
(4,550)	2:250:A:VAL:HG13	2:251:A:THR:H	15	0.18
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	13	0.18
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	16	0.18
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	9	0.18
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	10	0.18
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	13	0.18
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	7	0.18
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	13	0.18
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	12	0.18
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	18	0.18
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	1	0.18
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	7	0.18
(4,472)	2:337:A:ARG:HD3	2:338:A:ILE:H	5	0.18
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD12	12	0.18
(4,415)	2:272:A:ALA:HB1	2:304:A:PHE:HA	19	0.18
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	7	0.18
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	9	0.18
(4,380)	2:259:A:VAL:HG22	2:256:A:ASP:HA	1	0.18
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	12	0.18
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	17	0.18
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	8	0.18
(4,364)	2:285:A:LEU:HA	2:285:A:LEU:HD13	16	0.18
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE3	15	0.18
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	2	0.18
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	20	0.18
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	13	0.18
(4,308)	2:276:A:MET:HB3	2:272:A:ALA:HA	9	0.18
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	10	0.18
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	20	0.18
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	1	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	4	0.18
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB1	5	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	7	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB3	18	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	19	0.18
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB2	20	0.18
(4,290)	2:280:A:VAL:HG11	2:295:A:VAL:HA	1	0.18
(4,253)	2:328:A:THR:HG22	2:324:A:LEU:HD12	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,253)	2:328:A:THR:HG23	2:324:A:LEU:HD12	16	0.18
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	6	0.18
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	13	0.18
(4,182)	2:252:A:GLY:HA2	2:254:A:LEU:HD13	8	0.18
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG12	15	0.18
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG23	14	0.18
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	15	0.18
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	16	0.18
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	7	0.18
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	18	0.18
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	15	0.18
(4,134)	2:284:A:MET:HA	2:285:A:LEU:HB2	16	0.18
(4,127)	2:345:A:LEU:HD13	2:345:A:LEU:HB3	18	0.18
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	12	0.18
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	1	0.18
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	6	0.18
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	17	0.18
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	19	0.18
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG21	11	0.18
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD12	4	0.18
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	11	0.18
(4,44)	2:334:A:ARG:HG2	2:334:A:ARG:HA	12	0.18
(4,35)	2:332:A:LEU:HD12	2:332:A:LEU:HB3	1	0.18
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	6	0.18
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	15	0.18
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	18	0.18
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	12	0.18
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	4	0.18
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	13	0.18
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD11	16	0.18
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	2	0.18
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	8	0.18
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	7	0.18
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	20	0.18
(3,565)	2:270:A:PRO:HB2	2:270:A:PRO:HD2	8	0.18
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	1	0.18
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	3	0.18
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	3	0.18
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	14	0.18
(3,519)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	19	0.18
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	5	0.18
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	8	0.18
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	13	0.18
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	18	0.18
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	13	0.18
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	17	0.18
(3,456)	2:249:A:GLU:H	2:248:A:SER:HB2	16	0.18
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	4	0.18
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	6	0.18
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	9	0.18
(3,448)	2:247:A:GLY:H	2:247:A:GLY:HA2	18	0.18
(3,447)	2:302:A:LYS:HB3	2:306:A:SER:H	17	0.18
(3,441)	2:276:A:MET:H	2:276:A:MET:HG3	16	0.18
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	11	0.18
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	14	0.18
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB3	19	0.18
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	20	0.18
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	11	0.18
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	5	0.18
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	12	0.18
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	1	0.18
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	7	0.18
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	17	0.18
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	15	0.18
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	19	0.18
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG12	3	0.18
(3,323)	2:336:A:ARG:HG3	2:337:A:ARG:H	11	0.18
(3,319)	2:326:A:ARG:HB3	2:327:A:ALA:H	19	0.18
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	12	0.18
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	9	0.18
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	10	0.18
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	18	0.18
(3,306)	2:323:A:GLN:H	2:323:A:GLN:HB2	10	0.18
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	12	0.18
(3,299)	2:292:A:ASN:H	2:282:A:ILE:HA	19	0.18
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	8	0.18
(3,271)	2:231:A:LEU:HB2	2:231:A:LEU:H	7	0.18
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	8	0.18
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	7	0.18
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	11	0.18
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG2	10	0.18
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	4	0.18
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,224)	2:326:A:ARG:HB3	2:327:A:ALA:H	9	0.18
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	1	0.18
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	13	0.18
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD12	8	0.18
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	3	0.18
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	18	0.18
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	1	0.18
(3,169)	2:279:A:GLU:HB3	2:280:A:VAL:H	7	0.18
(3,167)	2:280:A:VAL:HG13	2:281:A:LEU:H	12	0.18
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG23	10	0.18
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	18	0.18
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	18	0.18
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	20	0.18
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	4	0.18
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	16	0.18
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	3	0.18
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	10	0.18
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	8	0.18
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	12	0.18
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	19	0.18
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	1	0.18
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	2	0.18
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	10	0.18
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	3	0.18
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	6	0.18
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	7	0.18
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	4	0.18
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	5	0.18
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	20	0.18
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	17	0.18
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	11	0.18
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	15	0.18
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	20	0.18
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	1	0.18
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	7	0.18
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	9	0.18
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	16	0.18
(3,9)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	5	0.18
(3,9)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	7	0.18
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	4	0.17
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	17	0.17
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4418)	1:12:B:ARG:HG3	1:12:B:ARG:H	12	0.17
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	7	0.17
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	12	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	1	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	6	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	7	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	9	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	16	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	17	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	19	0.17
(4,4380)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	20	0.17
(4,4353)	2:276:A:MET:HE3	2:301:A:ASP:HB2	11	0.17
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	1	0.17
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	2	0.17
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	8	0.17
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG23	11	0.17
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	14	0.17
(4,4303)	2:312:A:VAL:HG11	2:338:A:ILE:HG23	17	0.17
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG21	19	0.17
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	9	0.17
(4,4259)	2:258:A:ILE:HD11	2:333:A:TYR:HA	13	0.17
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	6	0.17
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	2	0.17
(4,4237)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	8	0.17
(4,4228)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	4	0.17
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	7	0.17
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	20	0.17
(4,4213)	2:315:A:VAL:HG13	2:316:A:GLY:H	14	0.17
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	3	0.17
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	8	0.17
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	11	0.17
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	15	0.17
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	17	0.17
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	17	0.17
(4,4142)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	5	0.17
(4,4138)	2:285:A:LEU:HD21	2:285:A:LEU:HA	10	0.17
(4,4138)	2:285:A:LEU:HD21	2:285:A:LEU:HA	19	0.17
(4,4137)	2:347:A:LEU:HD12	2:347:A:LEU:HA	1	0.17
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	2	0.17
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	8	0.17
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	11	0.17
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	15	0.17
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	19	0.17
(4,4114)	2:329:A:PHE:HA	2:333:A:TYR:HB3	16	0.17
(4,4108)	2:317:A:ARG:H	2:317:A:ARG:HD2	5	0.17
(4,4108)	2:317:A:ARG:H	2:317:A:ARG:HD2	18	0.17
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	5	0.17
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	8	0.17
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	12	0.17
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	15	0.17
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	3	0.17
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	10	0.17
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	12	0.17
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD23	10	0.17
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG22	11	0.17
(4,4041)	2:249:A:GLU:HA	2:249:A:GLU:HG2	2	0.17
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	14	0.17
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	7	0.17
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	10	0.17
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	14	0.17
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	17	0.17
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	19	0.17
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	5	0.17
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	15	0.17
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.17
(4,3914)	2:277:A:SER:H	2:276:A:MET:HE2	6	0.17
(4,3914)	2:277:A:SER:H	2:276:A:MET:HE3	15	0.17
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	12	0.17
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE3	20	0.17
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	7	0.17
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	10	0.17
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	2	0.17
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	4	0.17
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	6	0.17
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	15	0.17
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	2	0.17
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	6	0.17
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	11	0.17
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	3	0.17
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	14	0.17
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	20	0.17
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	3	0.17
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	1	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	2	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	4	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	5	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	11	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	12	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	13	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	14	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	15	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	16	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	17	0.17
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	19	0.17
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	6	0.17
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	9	0.17
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	1	0.17
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	6	0.17
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	11	0.17
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	12	0.17
(4,3758)	2:259:A:VAL:HG21	2:259:A:VAL:H	12	0.17
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	4	0.17
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	14	0.17
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	16	0.17
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	19	0.17
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	20	0.17
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	12	0.17
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	14	0.17
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	20	0.17
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	2	0.17
(4,3699)	2:277:A:SER:HB2	2:341:A:LYS:HA	14	0.17
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	17	0.17
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	8	0.17
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	20	0.17
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	2	0.17
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	4	0.17
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	7	0.17
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	4	0.17
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	6	0.17
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	8	0.17
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	14	0.17
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	15	0.17
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	11	0.17
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3529)	2:347:A:LEU:HB3	2:273:A:ARG:HD3	5	0.17
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	4	0.17
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG23	7	0.17
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG21	18	0.17
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	1	0.17
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	13	0.17
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	19	0.17
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG21	19	0.17
(4,3484)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	11	0.17
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG13	16	0.17
(4,3475)	2:249:A:GLU:H	2:249:A:GLU:HB2	4	0.17
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	12	0.17
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	12	0.17
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	5	0.17
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	4	0.17
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	17	0.17
(4,3409)	2:284:A:MET:HB2	2:290:A:ILE:HA	5	0.17
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	9	0.17
(4,3399)	2:284:A:MET:HG3	2:285:A:LEU:H	15	0.17
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	8	0.17
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	9	0.17
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	10	0.17
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	19	0.17
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	2	0.17
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	8	0.17
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	10	0.17
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	14	0.17
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	16	0.17
(4,3333)	1:1:B:ALA:HB3	2:336:A:ARG:HD2	7	0.17
(4,3324)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	1	0.17
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	3	0.17
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	10	0.17
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	6	0.17
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE1	19	0.17
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	15	0.17
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	12	0.17
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG11	1	0.17
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG13	8	0.17
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG13	14	0.17
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	14	0.17
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	19	0.17
(4,3239)	2:259:A:VAL:HG23	2:256:A:ASP:HA	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3238)	2:254:A:LEU:HD21	2:324:A:LEU:HD11	2	0.17
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	7	0.17
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	13	0.17
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	17	0.17
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	2	0.17
(4,3179)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	8	0.17
(4,3163)	2:290:A:ILE:HG23	2:290:A:ILE:HA	5	0.17
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	14	0.17
(4,3152)	2:289:A:THR:HB	2:317:A:ARG:HA	3	0.17
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	7	0.17
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	9	0.17
(4,3143)	2:259:A:VAL:HG12	2:259:A:VAL:HA	13	0.17
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	14	0.17
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	15	0.17
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD21	5	0.17
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	16	0.17
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	5	0.17
(4,3128)	2:277:A:SER:HB2	2:341:A:LYS:HG3	15	0.17
(4,3118)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	2	0.17
(4,3118)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	3	0.17
(4,3117)	2:280:A:VAL:HG11	2:295:A:VAL:HA	4	0.17
(4,3117)	2:280:A:VAL:HG12	2:295:A:VAL:HA	7	0.17
(4,3117)	2:280:A:VAL:HG13	2:295:A:VAL:HA	19	0.17
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD12	19	0.17
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	3	0.17
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	3	0.17
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	6	0.17
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	16	0.17
(4,3074)	2:326:A:ARG:HG3	2:326:A:ARG:HA	13	0.17
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG22	6	0.17
(4,3060)	2:337:A:ARG:HG2	2:337:A:ARG:HA	13	0.17
(4,3052)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	3	0.17
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	3	0.17
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	9	0.17
(4,3036)	2:249:A:GLU:HA	2:249:A:GLU:HB3	9	0.17
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	15	0.17
(4,3012)	2:302:A:LYS:HA	2:302:A:LYS:HG3	17	0.17
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	7	0.17
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	10	0.17
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	20	0.17
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	4	0.17
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	5	0.17
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	3	0.17
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	5	0.17
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	6	0.17
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	7	0.17
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	9	0.17
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	12	0.17
(4,2993)	2:235:A:THR:HG23	2:235:A:THR:HB	18	0.17
(4,2991)	2:236:A:THR:HB	2:236:A:THR:HG22	9	0.17
(4,2957)	2:284:A:MET:HE3	2:336:A:ARG:HB2	4	0.17
(4,2957)	2:284:A:MET:HE1	2:336:A:ARG:HB2	17	0.17
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	2	0.17
(4,2918)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	14	0.17
(4,2882)	2:281:A:LEU:HB3	2:281:A:LEU:HD23	7	0.17
(4,2865)	2:336:A:ARG:HD2	2:336:A:ARG:HA	16	0.17
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	6	0.17
(4,2839)	2:334:A:ARG:HG2	2:334:A:ARG:HA	19	0.17
(4,2831)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	3	0.17
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	14	0.17
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	2	0.17
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	10	0.17
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	11	0.17
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	1	0.17
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	3	0.17
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	11	0.17
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	15	0.17
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	15	0.17
(4,2688)	2:315:A:VAL:HB	2:316:A:GLY:H	20	0.17
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	18	0.17
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	19	0.17
(4,2606)	2:272:A:ALA:HB3	2:271:A:SER:H	7	0.17
(4,2606)	2:272:A:ALA:HB2	2:271:A:SER:H	17	0.17
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	3	0.17
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	8	0.17
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	14	0.17
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	3	0.17
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	6	0.17
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	10	0.17
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	12	0.17
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	3	0.17
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	10	0.17
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	10	0.17
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	17	0.17
(4,2443)	2:343:A:GLU:HB2	2:343:A:GLU:H	1	0.17
(4,2443)	2:343:A:GLU:HB2	2:343:A:GLU:H	11	0.17
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	5	0.17
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	20	0.17
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	15	0.17
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	20	0.17
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	14	0.17
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	13	0.17
(4,2143)	2:336:A:ARG:HD3	2:337:A:ARG:H	17	0.17
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	6	0.17
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	18	0.17
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	19	0.17
(4,2042)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	8	0.17
(4,2020)	2:315:A:VAL:HG11	2:261:A:LEU:HB2	6	0.17
(4,2013)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	1	0.17
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	6	0.17
(4,2004)	2:259:A:VAL:HG21	2:338:A:ILE:HG12	15	0.17
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	1	0.17
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG21	3	0.17
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG23	9	0.17
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	11	0.17
(4,1988)	2:284:A:MET:HE1	2:288:A:GLY:HA3	1	0.17
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	5	0.17
(4,1988)	2:284:A:MET:HE3	2:288:A:GLY:HA3	9	0.17
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	17	0.17
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	12	0.17
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	3	0.17
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	10	0.17
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	13	0.17
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD12	14	0.17
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	14	0.17
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD21	2	0.17
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	13	0.17
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	15	0.17
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	16	0.17
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	18	0.17
(4,1728)	2:256:A:ASP:H	2:259:A:VAL:HG21	14	0.17
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	17	0.17
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	20	0.17
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	16	0.17
(4,1702)	2:280:A:VAL:HG12	2:294:A:SER:H	13	0.17
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	8	0.17
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	11	0.17
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	13	0.17
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	15	0.17
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	19	0.17
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	2	0.17
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	19	0.17
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	6	0.17
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	19	0.17
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	20	0.17
(4,1589)	2:229:A:ALA:HB1	2:230:A:GLU:H	4	0.17
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG23	16	0.17
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	9	0.17
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	10	0.17
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	11	0.17
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	6	0.17
(4,1452)	2:250:A:VAL:HG23	2:251:A:THR:H	7	0.17
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	17	0.17
(4,1379)	2:281:A:LEU:HD12	2:337:A:ARG:H	16	0.17
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	9	0.17
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	17	0.17
(4,1221)	2:276:A:MET:HE3	2:304:A:PHE:H	19	0.17
(4,1217)	2:321:A:MET:HE3	2:288:A:GLY:HA3	11	0.17
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	3	0.17
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	4	0.17
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	7	0.17
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	16	0.17
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	17	0.17
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	3	0.17
(4,1153)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	5	0.17
(4,1140)	2:280:A:VAL:HG12	2:281:A:LEU:H	13	0.17
(4,1124)	2:315:A:VAL:HG11	2:316:A:GLY:H	11	0.17
(4,1122)	2:315:A:VAL:HG11	2:315:A:VAL:HA	5	0.17
(4,1115)	2:321:A:MET:H	2:318:A:ILE:HG23	4	0.17
(4,1105)	2:267:A:ARG:HG2	2:267:A:ARG:HA	13	0.17
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE1	13	0.17
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG11	16	0.17
(4,1065)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	7	0.17
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	1	0.17
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	6	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	1	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	2	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	8	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	9	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	10	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	11	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	13	0.17
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	16	0.17
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD1	2	0.17
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	11	0.17
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	18	0.17
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	8	0.17
(4,979)	2:263:A:SER:HB2	2:264:A:GLN:H	12	0.17
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	5	0.17
(4,970)	2:272:A:ALA:HB1	2:273:A:ARG:HA	13	0.17
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	14	0.17
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	9	0.17
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	12	0.17
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	1	0.17
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	9	0.17
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	11	0.17
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	16	0.17
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	17	0.17
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	1	0.17
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB2	8	0.17
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	14	0.17
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	1	0.17
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG12	6	0.17
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	10	0.17
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	20	0.17
(4,897)	2:302:A:LYS:H	2:301:A:ASP:HB2	9	0.17
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE1	14	0.17
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD23	9	0.17
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	1	0.17
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	20	0.17
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB1	7	0.17
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	8	0.17
(4,755)	2:259:A:VAL:HG21	2:259:A:VAL:H	10	0.17
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	2	0.17
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	19	0.17
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	1	0.17
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	15	0.17
(4,740)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	5	0.17
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	5	0.17
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	17	0.17
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	8	0.17
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	13	0.17
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	14	0.17
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	5	0.17
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	15	0.17
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	18	0.17
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	13	0.17
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	20	0.17
(4,639)	2:327:A:ALA:HB3	2:327:A:ALA:H	3	0.17
(4,639)	2:327:A:ALA:HB3	2:327:A:ALA:H	6	0.17
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	20	0.17
(4,608)	2:334:A:ARG:HD2	2:334:A:ARG:H	16	0.17
(4,605)	2:281:A:LEU:HD12	2:335:A:GLN:HA	18	0.17
(4,604)	2:281:A:LEU:HD11	2:335:A:GLN:HG2	13	0.17
(4,550)	2:250:A:VAL:HG12	2:251:A:THR:H	5	0.17
(4,542)	2:249:A:GLU:HA	2:249:A:GLU:HB3	9	0.17
(4,533)	2:307:A:SER:H	2:306:A:SER:HB2	15	0.17
(4,524)	2:253:A:SER:HA	2:253:A:SER:HB3	3	0.17
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	6	0.17
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	16	0.17
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	17	0.17
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	10	0.17
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	11	0.17
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	15	0.17
(4,415)	2:272:A:ALA:HB3	2:304:A:PHE:HA	13	0.17
(4,414)	2:269:A:PRO:HG2	2:304:A:PHE:HA	4	0.17
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	13	0.17
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	14	0.17
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	5	0.17
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	17	0.17
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE3	8	0.17
(4,380)	2:259:A:VAL:HG21	2:256:A:ASP:HA	11	0.17
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	15	0.17
(4,346)	2:276:A:MET:HE1	2:301:A:ASP:HB3	13	0.17
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE1	14	0.17
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	4	0.17
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,337)	2:295:A:VAL:HG23	2:305:A:ASP:HB2	19	0.17
(4,329)	2:321:A:MET:HE2	2:321:A:MET:HA	11	0.17
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	15	0.17
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	7	0.17
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	20	0.17
(4,310)	2:259:A:VAL:HG12	2:259:A:VAL:HA	12	0.17
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	2	0.17
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	8	0.17
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	14	0.17
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	19	0.17
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	8	0.17
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	8	0.17
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD13	14	0.17
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG23	19	0.17
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG21	20	0.17
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	4	0.17
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	9	0.17
(4,238)	2:281:A:LEU:HD13	2:337:A:ARG:HA	1	0.17
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	4	0.17
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG23	7	0.17
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	15	0.17
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	17	0.17
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG21	18	0.17
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	5	0.17
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	3	0.17
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	11	0.17
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	7	0.17
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	9	0.17
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	1	0.17
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	8	0.17
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	10	0.17
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	15	0.17
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	6	0.17
(4,151)	2:284:A:MET:HE2	2:336:A:ARG:HB2	9	0.17
(4,151)	2:284:A:MET:HE2	2:336:A:ARG:HB2	19	0.17
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	7	0.17
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	18	0.17
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	18	0.17
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	8	0.17
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	5	0.17
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD13	6	0.17
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD11	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	7	0.17
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	10	0.17
(4,44)	2:334:A:ARG:HG2	2:334:A:ARG:HA	9	0.17
(4,35)	2:332:A:LEU:HD13	2:332:A:LEU:HB3	13	0.17
(4,28)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	18	0.17
(4,20)	2:328:A:THR:HB	2:324:A:LEU:HB2	1	0.17
(4,2)	2:277:A:SER:HB2	2:339:A:ILE:HG23	4	0.17
(3,593)	2:254:A:LEU:HD22	2:324:A:LEU:HG	11	0.17
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	1	0.17
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	17	0.17
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	8	0.17
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	3	0.17
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	17	0.17
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	14	0.17
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	18	0.17
(3,535)	1:3:B:PRO:HG3	2:337:A:ARG:HD2	10	0.17
(3,530)	2:240:A:GLN:HG3	2:240:A:GLN:HA	5	0.17
(3,530)	2:240:A:GLN:HG2	2:240:A:GLN:HA	7	0.17
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	2	0.17
(3,516)	2:238:A:ARG:HG3	2:238:A:ARG:HA	10	0.17
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	14	0.17
(3,505)	2:302:A:LYS:HB3	2:302:A:LYS:HD2	19	0.17
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	17	0.17
(3,484)	2:231:A:LEU:HD21	2:231:A:LEU:H	16	0.17
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	2	0.17
(3,465)	2:233:A:SER:HB3	2:235:A:THR:H	15	0.17
(3,465)	2:233:A:SER:HB3	2:235:A:THR:H	17	0.17
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	4	0.17
(3,460)	2:245:A:GLU:HG3	2:246:A:VAL:H	13	0.17
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	1	0.17
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	2	0.17
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	3	0.17
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	4	0.17
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	15	0.17
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	14	0.17
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	16	0.17
(3,415)	2:318:A:ILE:H	2:261:A:LEU:HD13	19	0.17
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD21	11	0.17
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD22	15	0.17
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	17	0.17
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG22	5	0.17
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG23	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	16	0.17
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	5	0.17
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	17	0.17
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	1	0.17
(3,319)	2:325:A:PRO:HB3	2:327:A:ALA:H	15	0.17
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	14	0.17
(3,316)	2:240:A:GLN:HB2	2:241:A:ALA:H	18	0.17
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	1	0.17
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	2	0.17
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	19	0.17
(3,293)	2:318:A:ILE:HD11	2:290:A:ILE:H	15	0.17
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	18	0.17
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	13	0.17
(3,264)	2:331:A:SER:H	2:329:A:PHE:HB3	2	0.17
(3,260)	2:323:A:GLN:H	2:323:A:GLN:HB2	16	0.17
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	8	0.17
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	7	0.17
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	20	0.17
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	17	0.17
(3,215)	2:249:A:GLU:H	2:248:A:SER:HB2	16	0.17
(3,214)	2:249:A:GLU:H	2:247:A:GLY:HA2	2	0.17
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	4	0.17
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	6	0.17
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	9	0.17
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	16	0.17
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD11	5	0.17
(3,191)	2:247:A:GLY:H	2:247:A:GLY:HA2	18	0.17
(3,190)	2:302:A:LYS:HB3	2:306:A:SER:H	17	0.17
(3,182)	2:276:A:MET:H	2:276:A:MET:HG3	16	0.17
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	2	0.17
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	12	0.17
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	19	0.17
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	20	0.17
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	8	0.17
(3,153)	2:236:A:THR:HB	2:236:A:THR:HG22	9	0.17
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	6	0.17
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	7	0.17
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	2	0.17
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	17	0.17
(3,122)	2:253:A:SER:HB3	2:257:A:LEU:HD13	16	0.17
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	3	0.17
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	6	0.17
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	16	0.17
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	18	0.17
(3,83)	2:270:A:PRO:HG3	2:270:A:PRO:HA	10	0.17
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	1	0.17
(3,72)	2:343:A:GLU:HG2	2:343:A:GLU:H	20	0.17
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	6	0.17
(3,61)	2:338:A:ILE:HG21	2:339:A:ILE:H	10	0.17
(3,61)	2:338:A:ILE:HG22	2:339:A:ILE:H	19	0.17
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	3	0.17
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG22	11	0.17
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG21	14	0.17
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG21	16	0.17
(3,28)	2:238:A:ARG:HA	2:238:A:ARG:HG2	8	0.17
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	5	0.17
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	9	0.17
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	18	0.17
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	13	0.17
(4,4428)	1:10:B:ASN:HB2	1:12:B:ARG:H	10	0.16
(4,4418)	1:12:B:ARG:HG3	1:12:B:ARG:H	15	0.16
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	8	0.16
(4,4353)	2:276:A:MET:HE1	2:301:A:ASP:HB2	13	0.16
(4,4347)	2:276:A:MET:HE1	2:301:A:ASP:HB3	13	0.16
(4,4343)	2:321:A:MET:HE3	2:321:A:MET:HA	2	0.16
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	12	0.16
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	12	0.16
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	9	0.16
(4,4254)	1:1:B:ALA:HB1	2:336:A:ARG:HD3	14	0.16
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	4	0.16
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	9	0.16
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	12	0.16
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	19	0.16
(4,4232)	2:285:A:LEU:HG	2:291:A:THR:HG22	3	0.16
(4,4228)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	13	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	4	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	6	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	9	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	13	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	17	0.16
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	18	0.16
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	2	0.16
(4,4212)	2:315:A:VAL:HG12	2:315:A:VAL:HA	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4204)	2:321:A:MET:H	2:318:A:ILE:HG23	11	0.16
(4,4204)	2:321:A:MET:H	2:318:A:ILE:HG23	17	0.16
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	12	0.16
(4,4176)	2:321:A:MET:HE2	2:284:A:MET:HE1	12	0.16
(4,4175)	2:284:A:MET:HE1	2:318:A:ILE:HG12	14	0.16
(4,4169)	2:299:A:SER:HG	2:278:A:VAL:HG11	14	0.16
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	8	0.16
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG11	11	0.16
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG12	20	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	4	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	5	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	6	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	7	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	10	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	18	0.16
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	20	0.16
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	2	0.16
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	7	0.16
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	10	0.16
(4,4160)	2:258:A:ILE:H	2:258:A:ILE:HG12	11	0.16
(4,4149)	2:260:A:ASN:H	2:259:A:VAL:HG11	18	0.16
(4,4141)	2:268:A:ARG:HG3	2:268:A:ARG:HA	7	0.16
(4,4133)	2:282:A:ILE:HG22	2:336:A:ARG:H	12	0.16
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	2	0.16
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB1	7	0.16
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	10	0.16
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	13	0.16
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	7	0.16
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	11	0.16
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	20	0.16
(4,4068)	2:260:A:ASN:HD21	2:261:A:LEU:HD21	16	0.16
(4,4065)	1:6:B:ILE:HG21	2:259:A:VAL:HG23	4	0.16
(4,4064)	1:6:B:ILE:HG23	2:259:A:VAL:HG12	12	0.16
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG23	3	0.16
(4,4046)	2:321:A:MET:HE2	2:254:A:LEU:HD22	14	0.16
(4,4045)	2:250:A:VAL:HB	2:251:A:THR:HG22	9	0.16
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	13	0.16
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	7	0.16
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	4	0.16
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	11	0.16
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB2	2	0.16
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB1	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB2	8	0.16
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB3	11	0.16
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	4	0.16
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	12	0.16
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	14	0.16
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	18	0.16
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	3	0.16
(4,3946)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	8	0.16
(4,3914)	2:277:A:SER:H	2:276:A:MET:HE2	19	0.16
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	17	0.16
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	10	0.16
(4,3858)	2:321:A:MET:HE2	2:288:A:GLY:HA2	9	0.16
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG22	2	0.16
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	18	0.16
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	10	0.16
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	11	0.16
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	14	0.16
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	15	0.16
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	20	0.16
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	11	0.16
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	13	0.16
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	15	0.16
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	18	0.16
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	3	0.16
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	10	0.16
(4,3799)	2:261:A:LEU:H	2:261:A:LEU:HB3	20	0.16
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	2	0.16
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	8	0.16
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	15	0.16
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	17	0.16
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	20	0.16
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	4	0.16
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	2	0.16
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	6	0.16
(4,3754)	2:270:A:PRO:HG2	2:269:A:PRO:HA	17	0.16
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	3	0.16
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	4	0.16
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	9	0.16
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	17	0.16
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	20	0.16
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD21	15	0.16
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	5	0.16
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	11	0.16
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	15	0.16
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	3	0.16
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	3	0.16
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	14	0.16
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	5	0.16
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	15	0.16
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	15	0.16
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	3	0.16
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	13	0.16
(4,3604)	2:327:A:ALA:HB1	2:328:A:THR:H	5	0.16
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	10	0.16
(4,3604)	2:327:A:ALA:HB2	2:328:A:THR:H	11	0.16
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	5	0.16
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	19	0.16
(4,3561)	2:281:A:LEU:HD13	2:336:A:ARG:H	13	0.16
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	4	0.16
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	8	0.16
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	15	0.16
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	17	0.16
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	5	0.16
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	2	0.16
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG13	14	0.16
(4,3475)	2:249:A:GLU:H	2:249:A:GLU:HB2	18	0.16
(4,3453)	2:263:A:SER:HB2	2:263:A:SER:HA	5	0.16
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	2	0.16
(4,3449)	2:253:A:SER:H	2:253:A:SER:HB3	2	0.16
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	2	0.16
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	15	0.16
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD12	12	0.16
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	6	0.16
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	15	0.16
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	6	0.16
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	7	0.16
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	12	0.16
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	1	0.16
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	4	0.16
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	11	0.16
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	3	0.16
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	12	0.16
(4,3377)	2:337:A:ARG:HD3	2:338:A:ILE:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3360)	2:313:A:ARG:HA	2:312:A:VAL:HG21	2	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	1	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	3	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	4	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	5	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	6	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	7	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	9	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	11	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	12	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	13	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	15	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	17	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	18	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	19	0.16
(4,3356)	2:257:A:LEU:HB2	2:257:A:LEU:HA	20	0.16
(4,3331)	2:339:A:ILE:HD13	2:277:A:SER:HB3	8	0.16
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	20	0.16
(4,3319)	2:285:A:LEU:HD23	2:289:A:THR:HB	16	0.16
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	17	0.16
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	2	0.16
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	5	0.16
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	8	0.16
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	11	0.16
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG11	13	0.16
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG11	19	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	2	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	3	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	5	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	6	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	7	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	9	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	10	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	12	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	16	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	17	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	18	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	19	0.16
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	20	0.16
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG13	9	0.16
(4,3247)	1:6:B:ILE:HG21	2:259:A:VAL:HG13	10	0.16
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	2	0.16
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	4	0.16
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	13	0.16
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE2	20	0.16
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	4	0.16
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	7	0.16
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	17	0.16
(4,3179)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	1	0.16
(4,3179)	2:295:A:VAL:HG22	2:305:A:ASP:HB2	11	0.16
(4,3179)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	12	0.16
(4,3179)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	13	0.16
(4,3169)	2:321:A:MET:HE2	2:321:A:MET:HA	4	0.16
(4,3163)	2:290:A:ILE:HG22	2:290:A:ILE:HA	2	0.16
(4,3163)	2:290:A:ILE:HG21	2:290:A:ILE:HA	6	0.16
(4,3156)	2:289:A:THR:HG22	2:317:A:ARG:HD2	9	0.16
(4,3143)	2:259:A:VAL:HG12	2:259:A:VAL:HA	6	0.16
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	11	0.16
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	16	0.16
(4,3137)	2:273:A:ARG:HA	2:345:A:LEU:HD23	18	0.16
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	11	0.16
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	12	0.16
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	13	0.16
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	14	0.16
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	14	0.16
(4,3117)	2:280:A:VAL:HG13	2:295:A:VAL:HA	11	0.16
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	20	0.16
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	11	0.16
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	11	0.16
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	15	0.16
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG23	20	0.16
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	12	0.16
(4,3053)	2:258:A:ILE:HA	2:258:A:ILE:HG22	1	0.16
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	1	0.16
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	13	0.16
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	4	0.16
(4,3039)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	15	0.16
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	16	0.16
(4,3016)	2:298:A:SER:HA	2:298:A:SER:HB3	14	0.16
(4,3009)	2:328:A:THR:HG21	2:328:A:THR:HA	5	0.16
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	14	0.16
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	1	0.16
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	11	0.16
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	19	0.16
(4,2995)	2:249:A:GLU:HA	2:250:A:VAL:HG13	14	0.16
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	12	0.16
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	2	0.16
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	4	0.16
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	6	0.16
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	9	0.16
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD12	7	0.16
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	6	0.16
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	6	0.16
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	16	0.16
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	17	0.16
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	3	0.16
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	6	0.16
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	10	0.16
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	11	0.16
(4,2693)	2:317:A:ARG:H	2:316:A:GLY:H	18	0.16
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	19	0.16
(4,2658)	2:301:A:ASP:H	2:302:A:LYS:HG2	7	0.16
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	15	0.16
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	15	0.16
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	4	0.16
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	11	0.16
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	18	0.16
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	19	0.16
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	1	0.16
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	6	0.16
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	13	0.16
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	15	0.16
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	16	0.16
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	10	0.16
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	18	0.16
(4,2569)	2:242:A:LEU:H	2:242:A:LEU:HB3	16	0.16
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	2	0.16
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	20	0.16
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	8	0.16
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	13	0.16
(4,2510)	2:244:A:ASP:HA	2:245:A:GLU:H	14	0.16
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	18	0.16
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	3	0.16
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	6	0.16
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	9	0.16
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	13	0.16
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	16	0.16
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	18	0.16
(4,2445)	2:315:A:VAL:HG11	2:262:A:VAL:H	13	0.16
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	4	0.16
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	7	0.16
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	15	0.16
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	10	0.16
(4,2281)	2:247:A:GLY:H	2:246:A:VAL:HB	2	0.16
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	1	0.16
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	1	0.16
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	8	0.16
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	20	0.16
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	9	0.16
(4,2143)	2:336:A:ARG:HD3	2:337:A:ARG:H	9	0.16
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	7	0.16
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG23	13	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	2	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	4	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	7	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	10	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	13	0.16
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	16	0.16
(4,2020)	2:315:A:VAL:HG12	2:261:A:LEU:HB2	10	0.16
(4,2013)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	17	0.16
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	5	0.16
(4,1988)	2:284:A:MET:HE2	2:288:A:GLY:HA3	12	0.16
(4,1985)	2:253:A:SER:HA	2:253:A:SER:HB3	2	0.16
(4,1985)	2:253:A:SER:HA	2:253:A:SER:HB3	12	0.16
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	16	0.16
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG21	19	0.16
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	6	0.16
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	7	0.16
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	20	0.16
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	4	0.16
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	5	0.16
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	6	0.16
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	11	0.16
(4,1960)	2:328:A:THR:HG22	2:324:A:LEU:HD12	11	0.16
(4,1959)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1959)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	17	0.16
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	2	0.16
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	19	0.16
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD21	18	0.16
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	13	0.16
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	2	0.16
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	10	0.16
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	11	0.16
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	1	0.16
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	3	0.16
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	6	0.16
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	11	0.16
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	15	0.16
(4,1783)	2:301:A:ASP:H	2:304:A:PHE:HD1	18	0.16
(4,1771)	2:293:A:ALA:H	2:292:A:ASN:HD22	14	0.16
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	19	0.16
(4,1743)	2:272:A:ALA:HB2	2:271:A:SER:H	17	0.16
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	14	0.16
(4,1706)	2:242:A:LEU:H	2:242:A:LEU:HB3	16	0.16
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	8	0.16
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	14	0.16
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	3	0.16
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	6	0.16
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	10	0.16
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	12	0.16
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	3	0.16
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	10	0.16
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	15	0.16
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	2	0.16
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	17	0.16
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	14	0.16
(4,1430)	2:312:A:VAL:HG12	2:309:A:VAL:H	16	0.16
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	13	0.16
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	6	0.16
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	18	0.16
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	19	0.16
(4,1294)	1:9:B:GLY:H	1:12:B:ARG:HE	9	0.16
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	4	0.16
(4,1200)	2:326:A:ARG:HD3	2:326:A:ARG:HB3	17	0.16
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	2	0.16
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	5	0.16
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	9	0.16
(4,1168)	2:322:A:GLN:HE22	2:322:A:GLN:HG2	10	0.16
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE1	15	0.16
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	12	0.16
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	16	0.16
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	1	0.16
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	5	0.16
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	14	0.16
(4,1061)	2:347:A:LEU:HD12	2:347:A:LEU:HA	19	0.16
(4,1059)	2:282:A:ILE:HG21	2:336:A:ARG:H	1	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	2	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	4	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	5	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	9	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	12	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	16	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	17	0.16
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	18	0.16
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	4	0.16
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	5	0.16
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	12	0.16
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	17	0.16
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	19	0.16
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	20	0.16
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	14	0.16
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG22	19	0.16
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD11	2	0.16
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	10	0.16
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD12	11	0.16
(4,1001)	2:258:A:ILE:HA	2:258:A:ILE:HD13	16	0.16
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	9	0.16
(4,970)	2:272:A:ALA:HB3	2:273:A:ARG:HA	20	0.16
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	8	0.16
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	14	0.16
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	15	0.16
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	20	0.16
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG12	11	0.16
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	12	0.16
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG12	17	0.16
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG11	19	0.16
(4,878)	2:281:A:LEU:HD13	2:296:A:SER:HB3	15	0.16
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	12	0.16
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	9	0.16
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	10	0.16
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	15	0.16
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG22	18	0.16
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	10	0.16
(4,755)	2:259:A:VAL:HG23	2:259:A:VAL:H	13	0.16
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	1	0.16
(4,750)	2:270:A:PRO:HG2	2:270:A:PRO:HA	12	0.16
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	5	0.16
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	8	0.16
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	10	0.16
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	18	0.16
(4,718)	2:277:A:SER:HB3	2:341:A:LYS:HG3	5	0.16
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	7	0.16
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	15	0.16
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	4	0.16
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	17	0.16
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	10	0.16
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	17	0.16
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	4	0.16
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	2	0.16
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	9	0.16
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	18	0.16
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	4	0.16
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	4	0.16
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	8	0.16
(4,593)	2:336:A:ARG:HD3	2:337:A:ARG:H	5	0.16
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG23	8	0.16
(4,553)	2:250:A:VAL:HG22	2:249:A:GLU:HG2	5	0.16
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	5	0.16
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	19	0.16
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	8	0.16
(4,538)	2:302:A:LYS:HE2	2:302:A:LYS:H	19	0.16
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	3	0.16
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	9	0.16
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	13	0.16
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	16	0.16
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	1	0.16
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	2	0.16
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	6	0.16
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	13	0.16
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	2	0.16
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	4	0.16
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	14	0.16
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	17	0.16
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	14	0.16
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	3	0.16
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	10	0.16
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	7	0.16
(4,381)	2:318:A:ILE:HB	2:321:A:MET:HE2	12	0.16
(4,380)	2:259:A:VAL:HG23	2:256:A:ASP:HA	10	0.16
(4,346)	2:276:A:MET:HE3	2:301:A:ASP:HB3	11	0.16
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	12	0.16
(4,331)	2:321:A:MET:HE3	2:288:A:GLY:HA2	5	0.16
(4,324)	2:290:A:ILE:HG23	2:290:A:ILE:HA	5	0.16
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	16	0.16
(4,320)	2:299:A:SER:HB2	2:276:A:MET:HG3	18	0.16
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	19	0.16
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	1	0.16
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	2	0.16
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	9	0.16
(4,310)	2:259:A:VAL:HG12	2:259:A:VAL:HA	13	0.16
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	14	0.16
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	15	0.16
(4,310)	2:259:A:VAL:HG12	2:259:A:VAL:HA	20	0.16
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD21	5	0.16
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	5	0.16
(4,291)	2:280:A:VAL:HG21	2:308:A:ALA:HB1	2	0.16
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	11	0.16
(4,290)	2:280:A:VAL:HG11	2:295:A:VAL:HA	6	0.16
(4,290)	2:280:A:VAL:HG13	2:295:A:VAL:HA	10	0.16
(4,290)	2:280:A:VAL:HG12	2:295:A:VAL:HA	13	0.16
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG23	3	0.16
(4,255)	2:326:A:ARG:HG3	2:326:A:ARG:HA	13	0.16
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	2	0.16
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	17	0.16
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	20	0.16
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	6	0.16
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	15	0.16
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	3	0.16
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	5	0.16
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	7	0.16
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	9	0.16
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	12	0.16
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	14	0.16
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	16	0.16
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	17	0.16
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	20	0.16
(4,151)	2:284:A:MET:HE1	2:336:A:ARG:HB2	17	0.16
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	5	0.16
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	16	0.16
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	2	0.16
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	16	0.16
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	4	0.16
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	16	0.16
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	3	0.16
(4,35)	2:332:A:LEU:HD11	2:332:A:LEU:HB3	17	0.16
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	16	0.16
(3,600)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	7	0.16
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	9	0.16
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	5	0.16
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	3	0.16
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	4	0.16
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	9	0.16
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	10	0.16
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	5	0.16
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	5	0.16
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	9	0.16
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	14	0.16
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	4	0.16
(3,544)	2:254:A:LEU:HD22	2:324:A:LEU:HG	11	0.16
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	12	0.16
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	19	0.16
(3,531)	2:242:A:LEU:HD11	2:242:A:LEU:HB3	6	0.16
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD11	3	0.16
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	4	0.16
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD11	6	0.16
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	7	0.16
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	20	0.16
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG21	1	0.16
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	6	0.16
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	1	0.16
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	10	0.16
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	1	0.16
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	3	0.16
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	7	0.16
(3,491)	2:341:A:LYS:HD2	2:341:A:LYS:HA	15	0.16
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	3	0.16
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	4	0.16
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	6	0.16
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	15	0.16
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	2	0.16
(3,476)	2:317:A:ARG:H	2:317:A:ARG:HG2	11	0.16
(3,462)	2:335:A:GLN:HG2	2:336:A:ARG:H	10	0.16
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	2	0.16
(3,451)	2:317:A:ARG:HG2	2:318:A:ILE:H	10	0.16
(3,441)	2:276:A:MET:H	2:276:A:MET:HG3	3	0.16
(3,441)	2:276:A:MET:HG2	2:276:A:MET:H	4	0.16
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	11	0.16
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	2	0.16
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	17	0.16
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	19	0.16
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	16	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD22	4	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	6	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	10	0.16
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	19	0.16
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	1	0.16
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG23	18	0.16
(3,382)	2:270:A:PRO:HG3	2:270:A:PRO:HA	3	0.16
(3,344)	2:231:A:LEU:HB2	2:231:A:LEU:H	9	0.16
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	12	0.16
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	18	0.16
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	9	0.16
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	16	0.16
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	4	0.16
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	13	0.16
(3,284)	2:263:A:SER:HB2	1:10:B:ASN:H	1	0.16
(3,272)	2:231:A:LEU:HD21	2:231:A:LEU:H	16	0.16
(3,270)	2:228:A:LEU:HA	2:228:A:LEU:H	1	0.16
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	2	0.16
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	5	0.16
(3,232)	2:233:A:SER:HB3	2:235:A:THR:H	15	0.16
(3,232)	2:233:A:SER:HB3	2:235:A:THR:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	4	0.16
(3,227)	2:245:A:GLU:HG3	2:246:A:VAL:H	13	0.16
(3,224)	2:326:A:ARG:HB3	2:327:A:ALA:H	13	0.16
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	3	0.16
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	7	0.16
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	20	0.16
(3,182)	2:276:A:MET:HG2	2:276:A:MET:H	4	0.16
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB3	11	0.16
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	14	0.16
(3,167)	2:280:A:VAL:HG11	2:281:A:LEU:H	10	0.16
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	4	0.16
(3,154)	2:321:A:MET:HE3	2:333:A:TYR:HA	16	0.16
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	2	0.16
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	13	0.16
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	3	0.16
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD13	15	0.16
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	15	0.16
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	20	0.16
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	11	0.16
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	19	0.16
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD22	15	0.16
(3,119)	2:264:A:GLN:HG3	2:261:A:LEU:HD21	18	0.16
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	1	0.16
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	2	0.16
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	5	0.16
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	16	0.16
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	19	0.16
(3,100)	2:287:A:ASP:HB3	2:287:A:ASP:HA	16	0.16
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	8	0.16
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	20	0.16
(3,72)	2:343:A:GLU:HG3	2:343:A:GLU:H	6	0.16
(3,72)	2:343:A:GLU:HG2	2:343:A:GLU:H	16	0.16
(3,64)	2:346:A:SER:H	2:346:A:SER:HB3	3	0.16
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	14	0.16
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	18	0.16
(3,42)	2:240:A:GLN:HG3	2:240:A:GLN:HA	5	0.16
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	2	0.16
(3,31)	2:341:A:LYS:HD2	2:339:A:ILE:HG23	19	0.16
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	14	0.16
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	8	0.16
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	16	0.15
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	10	0.15
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	19	0.15
(4,4418)	1:12:B:ARG:HG3	1:12:B:ARG:H	4	0.15
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	9	0.15
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	14	0.15
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	1	0.15
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	8	0.15
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD21	17	0.15
(4,4354)	2:302:A:LYS:HA	2:302:A:LYS:HG3	17	0.15
(4,4349)	2:276:A:MET:HE2	2:273:A:ARG:H	13	0.15
(4,4347)	2:276:A:MET:HE3	2:301:A:ASP:HB3	11	0.15
(4,4341)	2:341:A:LYS:HE2	2:341:A:LYS:HG3	7	0.15
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	8	0.15
(4,4242)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	15	0.15
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	2	0.15
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	4	0.15
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	10	0.15
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	19	0.15
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	18	0.15
(4,4228)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	3	0.15
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	2	0.15
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	11	0.15
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	17	0.15
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	18	0.15
(4,4186)	2:269:A:PRO:HG2	2:304:A:PHE:HA	18	0.15
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG11	5	0.15
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	18	0.15
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	2	0.15
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	13	0.15
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	14	0.15
(4,4142)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	10	0.15
(4,4138)	2:285:A:LEU:HD22	2:285:A:LEU:HA	3	0.15
(4,4137)	2:347:A:LEU:HD11	2:347:A:LEU:HA	8	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	1	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	3	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	4	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	5	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	6	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	7	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	9	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	10	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	12	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	13	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	14	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	15	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	16	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	17	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	18	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	19	0.15
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	20	0.15
(4,4125)	2:310:A:ALA:HA	2:310:A:ALA:HB3	20	0.15
(4,4108)	2:317:A:ARG:H	2:317:A:ARG:HD2	3	0.15
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	13	0.15
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	4	0.15
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	18	0.15
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	1	0.15
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	6	0.15
(4,4027)	2:339:A:ILE:HG23	2:277:A:SER:HB3	14	0.15
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	3	0.15
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	17	0.15
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	5	0.15
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	6	0.15
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB3	17	0.15
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	1	0.15
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	8	0.15
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	9	0.15
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	9	0.15
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	5	0.15
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	9	0.15
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	11	0.15
(4,3925)	2:299:A:SER:HG	2:301:A:ASP:HB3	16	0.15
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE1	14	0.15
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE3	15	0.15
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD12	15	0.15
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD21	2	0.15
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	12	0.15
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	12	0.15
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	7	0.15
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	11	0.15
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG21	13	0.15
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	1	0.15
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	5	0.15
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	9	0.15
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	12	0.15
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	16	0.15
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	5	0.15
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	6	0.15
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	7	0.15
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	8	0.15
(4,3810)	2:291:A:THR:HG23	2:291:A:THR:HA	10	0.15
(4,3810)	2:291:A:THR:HG23	2:291:A:THR:HA	14	0.15
(4,3810)	2:291:A:THR:HG23	2:291:A:THR:HA	17	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	4	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	5	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	7	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	13	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	16	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	18	0.15
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	19	0.15
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	18	0.15
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG13	19	0.15
(4,3758)	2:259:A:VAL:HG21	2:259:A:VAL:H	3	0.15
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	6	0.15
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	11	0.15
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD21	3	0.15
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	9	0.15
(4,3728)	2:275:A:GLY:H	2:274:A:ASN:HB3	12	0.15
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	4	0.15
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	11	0.15
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	19	0.15
(4,3707)	2:277:A:SER:HB3	2:341:A:LYS:HG3	5	0.15
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	8	0.15
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	10	0.15
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	13	0.15
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	5	0.15
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	6	0.15
(4,3642)	2:325:A:PRO:HB2	2:326:A:ARG:H	9	0.15
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	4	0.15
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	16	0.15
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	19	0.15
(4,3604)	2:327:A:ALA:HB2	2:328:A:THR:H	1	0.15
(4,3604)	2:327:A:ALA:HB2	2:328:A:THR:H	7	0.15
(4,3604)	2:327:A:ALA:HB2	2:328:A:THR:H	16	0.15
(4,3604)	2:327:A:ALA:HB3	2:328:A:THR:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3561)	2:281:A:LEU:HD11	2:336:A:ARG:H	15	0.15
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	4	0.15
(4,3490)	2:254:A:LEU:HD22	2:254:A:LEU:HA	4	0.15
(4,3486)	2:249:A:GLU:H	2:250:A:VAL:HG22	5	0.15
(4,3484)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	1	0.15
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	6	0.15
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	7	0.15
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	15	0.15
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	5	0.15
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	10	0.15
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	10	0.15
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD21	18	0.15
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	10	0.15
(4,3432)	2:256:A:ASP:H	2:256:A:ASP:HB3	14	0.15
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	16	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	5	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	9	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	10	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	18	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	19	0.15
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	20	0.15
(4,3396)	2:285:A:LEU:H	2:284:A:MET:HB2	17	0.15
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	18	0.15
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	12	0.15
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	18	0.15
(4,3333)	1:1:B:ALA:HB2	2:336:A:ARG:HD2	3	0.15
(4,3331)	2:339:A:ILE:HD11	2:277:A:SER:HB3	11	0.15
(4,3325)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	10	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG11	7	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	9	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	12	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	15	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	17	0.15
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	20	0.15
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG12	1	0.15
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	2	0.15
(4,3297)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	10	0.15
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	15	0.15
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	1	0.15
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	4	0.15
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	8	0.15
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	13	0.15
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	14	0.15
(4,3272)	2:322:A:GLN:HB2	2:322:A:GLN:HA	15	0.15
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	10	0.15
(4,3221)	2:265:A:GLN:HG3	2:265:A:GLN:HA	15	0.15
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	10	0.15
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB1	12	0.15
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE2	6	0.15
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE2	12	0.15
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	16	0.15
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	12	0.15
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	1	0.15
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	3	0.15
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	9	0.15
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	13	0.15
(4,3168)	2:321:A:MET:HE3	2:321:A:MET:HG3	10	0.15
(4,3155)	2:289:A:THR:HG23	2:317:A:ARG:HA	12	0.15
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	8	0.15
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	17	0.15
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	18	0.15
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	2	0.15
(4,3118)	2:280:A:VAL:HG22	2:308:A:ALA:HB3	10	0.15
(4,3117)	2:280:A:VAL:HG11	2:295:A:VAL:HA	3	0.15
(4,3117)	2:280:A:VAL:HG11	2:295:A:VAL:HA	20	0.15
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD13	1	0.15
(4,3111)	2:282:A:ILE:HA	2:282:A:ILE:HD11	2	0.15
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG22	13	0.15
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	2	0.15
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	7	0.15
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	16	0.15
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD12	1	0.15
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD12	3	0.15
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	8	0.15
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD12	10	0.15
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	5	0.15
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	5	0.15
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	8	0.15
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	11	0.15
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	15	0.15
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	16	0.15
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	20	0.15
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	4	0.15
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	7	0.15
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	14	0.15
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	11	0.15
(4,2993)	2:235:A:THR:HG21	2:235:A:THR:HB	13	0.15
(4,2993)	2:235:A:THR:HG22	2:235:A:THR:HB	19	0.15
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	15	0.15
(4,2869)	2:251:A:THR:HA	2:254:A:LEU:HD11	15	0.15
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	2	0.15
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	20	0.15
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	12	0.15
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	15	0.15
(4,2830)	2:332:A:LEU:HD11	2:332:A:LEU:HD23	9	0.15
(4,2810)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	16	0.15
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	13	0.15
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	4	0.15
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	4	0.15
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	7	0.15
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	12	0.15
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	13	0.15
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	15	0.15
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	1	0.15
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	4	0.15
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	16	0.15
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	20	0.15
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	2	0.15
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	5	0.15
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	6	0.15
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	8	0.15
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	12	0.15
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	14	0.15
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	12	0.15
(4,2574)	2:244:A:ASP:H	2:243:A:ALA:HB1	7	0.15
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	7	0.15
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	12	0.15
(4,2568)	2:240:A:GLN:H	2:240:A:GLN:HA	17	0.15
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	6	0.15
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	1	0.15
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	4	0.15
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	11	0.15
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	14	0.15
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	13	0.15
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	16	0.15
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	15	0.15
(4,2443)	2:343:A:GLU:HB2	2:343:A:GLU:H	8	0.15
(4,2436)	2:260:A:ASN:H	2:259:A:VAL:HG11	18	0.15
(4,2417)	2:229:A:ALA:HB1	2:230:A:GLU:H	13	0.15
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	13	0.15
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	18	0.15
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	1	0.15
(4,2320)	2:296:A:SER:HB3	2:297:A:ARG:H	15	0.15
(4,2275)	2:274:A:ASN:HB2	2:275:A:GLY:H	9	0.15
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	10	0.15
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	18	0.15
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	9	0.15
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	12	0.15
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	8	0.15
(4,2161)	2:276:A:MET:HG2	2:273:A:ARG:H	17	0.15
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG23	6	0.15
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	15	0.15
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG22	17	0.15
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	1	0.15
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	5	0.15
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	8	0.15
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	11	0.15
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	15	0.15
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	20	0.15
(4,2042)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	15	0.15
(4,2001)	2:258:A:ILE:HA	2:261:A:LEU:HB3	4	0.15
(4,1996)	2:259:A:VAL:HG23	2:338:A:ILE:HG22	4	0.15
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG23	8	0.15
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG23	15	0.15
(4,1996)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	17	0.15
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	9	0.15
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG22	16	0.15
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG21	20	0.15
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE1	7	0.15
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	19	0.15
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	14	0.15
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	4	0.15
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	9	0.15
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	6	0.15
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	17	0.15
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	3	0.15
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	10	0.15
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	11	0.15
(4,1811)	2:317:A:ARG:H	2:316:A:GLY:H	18	0.15
(4,1783)	2:301:A:ASP:H	2:304:A:PHE:HD1	19	0.15
(4,1782)	2:301:A:ASP:H	2:302:A:LYS:HG2	7	0.15
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	15	0.15
(4,1743)	2:272:A:ALA:HB3	2:271:A:SER:H	7	0.15
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	2	0.15
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	3	0.15
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	11	0.15
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	18	0.15
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	19	0.15
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	1	0.15
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	6	0.15
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	13	0.15
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	15	0.15
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	16	0.15
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	10	0.15
(4,1724)	2:256:A:ASP:H	2:255:A:ASP:HB3	18	0.15
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	7	0.15
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	12	0.15
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	2	0.15
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	20	0.15
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	8	0.15
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	13	0.15
(4,1663)	2:244:A:ASP:HA	2:245:A:GLU:H	14	0.15
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE2	11	0.15
(4,1647)	2:341:A:LYS:H	2:339:A:ILE:HG23	18	0.15
(4,1646)	2:341:A:LYS:H	2:341:A:LYS:HG3	18	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	3	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	6	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	9	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	10	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	13	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	16	0.15
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	18	0.15
(4,1609)	2:315:A:VAL:HG11	2:262:A:VAL:H	13	0.15
(4,1604)	2:260:A:ASN:H	2:259:A:VAL:HG11	18	0.15
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	1	0.15
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	8	0.15
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	20	0.15
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	9	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	1	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	2	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	4	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	7	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	10	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	11	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	13	0.15
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	16	0.15
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	4	0.15
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	17	0.15
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	5	0.15
(4,1255)	1:12:B:ARG:HG3	1:12:B:ARG:H	12	0.15
(4,1223)	2:276:A:MET:HE3	2:301:A:ASP:HB2	11	0.15
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	17	0.15
(4,1153)	2:338:A:ILE:HD11	2:338:A:ILE:HG22	9	0.15
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	11	0.15
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	7	0.15
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	12	0.15
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	19	0.15
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	17	0.15
(4,1115)	2:321:A:MET:H	2:318:A:ILE:HG22	7	0.15
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE2	5	0.15
(4,1089)	2:318:A:ILE:H	2:284:A:MET:HE2	7	0.15
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG13	17	0.15
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG12	19	0.15
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	4	0.15
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	9	0.15
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	13	0.15
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	15	0.15
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	8	0.15
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	11	0.15
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB2	14	0.15
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	15	0.15
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	15	0.15
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	1	0.15
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	20	0.15
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	6	0.15
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	15	0.15
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD22	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD11	6	0.15
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	18	0.15
(4,972)	2:269:A:PRO:HD2	2:345:A:LEU:HD21	3	0.15
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	15	0.15
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	16	0.15
(4,956)	2:302:A:LYS:H	2:303:A:PRO:HD3	7	0.15
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	5	0.15
(4,926)	2:312:A:VAL:HA	2:311:A:ALA:HB3	15	0.15
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG12	13	0.15
(4,907)	2:287:A:ASP:HB3	2:287:A:ASP:HA	16	0.15
(4,883)	2:276:A:MET:HE1	2:304:A:PHE:HB3	4	0.15
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	7	0.15
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	5	0.15
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	13	0.15
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	18	0.15
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	3	0.15
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	5	0.15
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	13	0.15
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	18	0.15
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	19	0.15
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	2	0.15
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	6	0.15
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	10	0.15
(4,836)	2:321:A:MET:HE2	2:333:A:TYR:H	14	0.15
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	12	0.15
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	13	0.15
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG23	5	0.15
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	1	0.15
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	6	0.15
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	7	0.15
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	8	0.15
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	9	0.15
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	18	0.15
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	12	0.15
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	12	0.15
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	14	0.15
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	6	0.15
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	10	0.15
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	16	0.15
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	18	0.15
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	11	0.15
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	19	0.15
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	1	0.15
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	12	0.15
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	17	0.15
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	11	0.15
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	17	0.15
(4,605)	2:281:A:LEU:HD11	2:335:A:GLN:HA	1	0.15
(4,552)	2:250:A:VAL:HG23	2:249:A:GLU:HB2	11	0.15
(4,550)	2:250:A:VAL:HG11	2:251:A:THR:H	4	0.15
(4,529)	2:253:A:SER:HB2	2:254:A:LEU:H	1	0.15
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	12	0.15
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	7	0.15
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	8	0.15
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	18	0.15
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	8	0.15
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	11	0.15
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	12	0.15
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	8	0.15
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	18	0.15
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	4	0.15
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	5	0.15
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	9	0.15
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	20	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	2	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	4	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	5	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	6	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	7	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	8	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	9	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	10	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	11	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	12	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	15	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	16	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	17	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	18	0.15
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	19	0.15
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	17	0.15
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	2	0.15
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	5	0.15
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG11	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	6	0.15
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE1	19	0.15
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	2	0.15
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	9	0.15
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	16	0.15
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	20	0.15
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	4	0.15
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	8	0.15
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB3	12	0.15
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	15	0.15
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	12	0.15
(4,379)	2:254:A:LEU:HD21	2:324:A:LEU:HD11	2	0.15
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	17	0.15
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	17	0.15
(4,337)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	8	0.15
(4,329)	2:321:A:MET:HE2	2:321:A:MET:HA	4	0.15
(4,324)	2:290:A:ILE:HG22	2:290:A:ILE:HA	2	0.15
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	6	0.15
(4,324)	2:290:A:ILE:HG21	2:290:A:ILE:HA	14	0.15
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	3	0.15
(4,314)	2:289:A:THR:HB	2:317:A:ARG:HA	15	0.15
(4,310)	2:259:A:VAL:HG12	2:259:A:VAL:HA	6	0.15
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	7	0.15
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	11	0.15
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	16	0.15
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	11	0.15
(4,299)	2:277:A:SER:HB2	2:341:A:LYS:HG3	15	0.15
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	11	0.15
(4,291)	2:280:A:VAL:HG23	2:308:A:ALA:HB3	3	0.15
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB2	14	0.15
(4,290)	2:280:A:VAL:HG11	2:295:A:VAL:HA	4	0.15
(4,290)	2:280:A:VAL:HG12	2:295:A:VAL:HA	7	0.15
(4,290)	2:280:A:VAL:HG13	2:295:A:VAL:HA	19	0.15
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD12	19	0.15
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	3	0.15
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	6	0.15
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	16	0.15
(4,240)	2:337:A:ARG:HG2	2:337:A:ARG:HA	13	0.15
(4,232)	2:258:A:ILE:HA	2:258:A:ILE:HG22	1	0.15
(4,231)	2:258:A:ILE:HG23	2:336:A:ARG:HD3	3	0.15
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD22	5	0.15
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	3	0.15
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	9	0.15
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	15	0.15
(4,195)	2:302:A:LYS:HA	2:302:A:LYS:HG3	17	0.15
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	7	0.15
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	10	0.15
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	20	0.15
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	1	0.15
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	4	0.15
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	8	0.15
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	11	0.15
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	19	0.15
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	5	0.15
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	2	0.15
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	4	0.15
(4,176)	2:235:A:THR:HG23	2:235:A:THR:HB	18	0.15
(4,174)	2:236:A:THR:HB	2:236:A:THR:HG22	9	0.15
(4,151)	2:284:A:MET:HE3	2:336:A:ARG:HB2	4	0.15
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	2	0.15
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	6	0.15
(4,118)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	14	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	2	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	3	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	4	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	5	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	6	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	7	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	8	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	9	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	10	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	11	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	12	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	13	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	14	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	15	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	16	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	17	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	18	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	19	0.15
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	20	0.15
(4,85)	2:281:A:LEU:HB3	2:281:A:LEU:HD23	7	0.15
(4,75)	2:332:A:LEU:HD12	2:251:A:THR:HG21	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,68)	2:336:A:ARG:HD2	2:336:A:ARG:HA	16	0.15
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	6	0.15
(4,44)	2:334:A:ARG:HG2	2:334:A:ARG:HA	19	0.15
(4,37)	2:332:A:LEU:HA	2:332:A:LEU:HD23	6	0.15
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	14	0.15
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	11	0.15
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	15	0.15
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	20	0.15
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	2	0.15
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	7	0.15
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	2	0.15
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	11	0.15
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	10	0.15
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	12	0.15
(3,578)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	15	0.15
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	11	0.15
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	14	0.15
(3,570)	2:321:A:MET:HB2	2:288:A:GLY:HA2	11	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	7	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	9	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	10	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	11	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	13	0.15
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	18	0.15
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	12	0.15
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	5	0.15
(3,545)	2:341:A:LYS:HD2	2:341:A:LYS:HA	15	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD23	7	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD13	8	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	11	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD13	13	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD11	17	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD11	18	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	19	0.15
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD12	20	0.15
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	1	0.15
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	17	0.15
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG21	20	0.15
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	13	0.15
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	16	0.15
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	13	0.15
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	5	0.15
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	10	0.15
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	11	0.15
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	20	0.15
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	6	0.15
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	6	0.15
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	12	0.15
(3,479)	2:335:A:GLN:HG3	2:335:A:GLN:H	13	0.15
(3,456)	2:249:A:GLU:H	2:248:A:SER:HB2	2	0.15
(3,438)	2:272:A:ALA:H	2:268:A:ARG:HB2	4	0.15
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	16	0.15
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG23	9	0.15
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG21	10	0.15
(3,418)	2:262:A:VAL:HB	2:338:A:ILE:HG23	10	0.15
(3,407)	2:264:A:GLN:H	2:264:A:GLN:HG2	8	0.15
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	2	0.15
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD22	8	0.15
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD23	18	0.15
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	3	0.15
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	14	0.15
(3,382)	2:270:A:PRO:HG3	2:270:A:PRO:HA	5	0.15
(3,350)	2:313:A:ARG:H	2:293:A:ALA:HB3	2	0.15
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	3	0.15
(3,324)	2:338:A:ILE:H	2:280:A:VAL:HG13	7	0.15
(3,318)	2:323:A:GLN:H	2:324:A:LEU:HG	13	0.15
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	7	0.15
(3,315)	2:292:A:ASN:H	2:283:A:GLU:HG3	13	0.15
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	11	0.15
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	3	0.15
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	4	0.15
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	6	0.15
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	17	0.15
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	2	0.15
(3,258)	2:317:A:ARG:H	2:317:A:ARG:HG2	11	0.15
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	15	0.15
(3,229)	2:335:A:GLN:HG2	2:336:A:ARG:H	10	0.15
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	2	0.15
(3,207)	2:317:A:ARG:HG2	2:318:A:ILE:H	10	0.15
(3,206)	2:291:A:THR:H	2:283:A:GLU:HB2	19	0.15
(3,195)	2:338:A:ILE:H	2:282:A:ILE:HD13	4	0.15
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	4	0.15
(3,182)	2:276:A:MET:H	2:276:A:MET:HG3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,167)	2:280:A:VAL:HG13	2:281:A:LEU:H	9	0.15
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG23	5	0.15
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	17	0.15
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	13	0.15
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD11	16	0.15
(3,140)	2:337:A:ARG:HD3	2:337:A:ARG:H	13	0.15
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	7	0.15
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	13	0.15
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	20	0.15
(3,120)	2:239:A:GLN:HA	2:239:A:GLN:HG2	4	0.15
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	8	0.15
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	7	0.15
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	17	0.15
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	20	0.15
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	12	0.15
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	14	0.15
(3,82)	2:270:A:PRO:HB2	2:270:A:PRO:HD2	8	0.15
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	19	0.15
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	15	0.15
(3,75)	2:337:A:ARG:HG3	2:337:A:ARG:HA	18	0.15
(3,72)	2:343:A:GLU:HG3	2:343:A:GLU:H	15	0.15
(3,57)	2:254:A:LEU:HD22	2:324:A:LEU:HG	11	0.15
(3,42)	2:240:A:GLN:HG2	2:240:A:GLN:HA	7	0.15
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	4	0.15
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD11	6	0.15
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG21	1	0.15
(3,28)	2:238:A:ARG:HG3	2:238:A:ARG:HA	10	0.15
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	4	0.15
(3,20)	2:302:A:LYS:HB3	2:302:A:LYS:HD2	19	0.15
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	1	0.15
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	7	0.15
(4,4433)	1:10:B:ASN:HB2	1:10:B:ASN:H	5	0.14
(4,4429)	1:11:B:ASP:HB2	1:12:B:ARG:H	11	0.14
(4,4418)	1:12:B:ARG:HG3	1:12:B:ARG:H	13	0.14
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	5	0.14
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	13	0.14
(4,4416)	1:13:B:ALA:H	1:13:B:ALA:HB1	11	0.14
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG13	4	0.14
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	7	0.14
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	9	0.14
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	10	0.14
(4,4353)	2:276:A:MET:HE3	2:301:A:ASP:HB2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4353)	2:276:A:MET:HE2	2:301:A:ASP:HB2	14	0.14
(4,4343)	2:321:A:MET:HE2	2:321:A:MET:HA	16	0.14
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	6	0.14
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	14	0.14
(4,4303)	2:312:A:VAL:HG12	2:338:A:ILE:HG22	9	0.14
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	4	0.14
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	5	0.14
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	17	0.14
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	4	0.14
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	10	0.14
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	18	0.14
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	9	0.14
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	18	0.14
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	8	0.14
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	14	0.14
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	20	0.14
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	5	0.14
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	15	0.14
(4,4192)	2:267:A:ARG:HG2	2:267:A:ARG:HA	19	0.14
(4,4186)	2:269:A:PRO:HG2	2:304:A:PHE:HA	9	0.14
(4,4173)	2:284:A:MET:HE2	2:321:A:MET:HG2	16	0.14
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	2	0.14
(4,4163)	2:294:A:SER:HB2	2:295:A:VAL:HB	19	0.14
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	1	0.14
(4,4138)	2:285:A:LEU:HD23	2:285:A:LEU:HA	20	0.14
(4,4130)	2:322:A:GLN:HB2	2:322:A:GLN:HA	8	0.14
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	4	0.14
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	9	0.14
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	13	0.14
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	14	0.14
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	17	0.14
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	18	0.14
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	19	0.14
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	11	0.14
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	14	0.14
(4,4064)	1:6:B:ILE:HG21	2:259:A:VAL:HG13	16	0.14
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	2	0.14
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	5	0.14
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG23	3	0.14
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG21	18	0.14
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	3	0.14
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD22	2	0.14
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	10	0.14
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	11	0.14
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	19	0.14
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	3	0.14
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	7	0.14
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	12	0.14
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	13	0.14
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	18	0.14
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	19	0.14
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE2	4	0.14
(4,3912)	2:304:A:PHE:HB2	2:276:A:MET:HE1	13	0.14
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD21	18	0.14
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	1	0.14
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	7	0.14
(4,3882)	2:295:A:VAL:HB	2:294:A:SER:HB3	8	0.14
(4,3861)	2:320:A:GLU:HA	2:320:A:GLU:HB2	14	0.14
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	4	0.14
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	14	0.14
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	17	0.14
(4,3848)	2:321:A:MET:HG3	2:321:A:MET:H	1	0.14
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG22	11	0.14
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG23	7	0.14
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	19	0.14
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	2	0.14
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	3	0.14
(4,3831)	2:314:A:ASN:HD22	2:314:A:ASN:HB3	17	0.14
(4,3831)	2:314:A:ASN:HD22	2:314:A:ASN:HB3	20	0.14
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	3	0.14
(4,3810)	2:291:A:THR:HG21	2:291:A:THR:HA	9	0.14
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	12	0.14
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	11	0.14
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	3	0.14
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	10	0.14
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG12	7	0.14
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	9	0.14
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG13	20	0.14
(4,3758)	2:259:A:VAL:HG22	2:259:A:VAL:H	2	0.14
(4,3758)	2:259:A:VAL:HG23	2:259:A:VAL:H	16	0.14
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	13	0.14
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	19	0.14
(4,3741)	2:272:A:ALA:HB2	2:345:A:LEU:HD22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	19	0.14
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	3	0.14
(4,3729)	2:274:A:ASN:HB2	2:275:A:GLY:H	13	0.14
(4,3728)	2:275:A:GLY:H	2:274:A:ASN:HB3	16	0.14
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	14	0.14
(4,3699)	2:277:A:SER:HB2	2:341:A:LYS:HA	16	0.14
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	3	0.14
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	5	0.14
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	11	0.14
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	14	0.14
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	18	0.14
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	19	0.14
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	7	0.14
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	11	0.14
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	14	0.14
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	1	0.14
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	7	0.14
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	9	0.14
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	18	0.14
(4,3603)	2:327:A:ALA:HB1	2:327:A:ALA:H	10	0.14
(4,3603)	2:327:A:ALA:HB2	2:327:A:ALA:H	12	0.14
(4,3578)	2:332:A:LEU:HD12	2:332:A:LEU:H	12	0.14
(4,3569)	2:335:A:GLN:H	2:334:A:ARG:HB3	2	0.14
(4,3561)	2:281:A:LEU:HD11	2:336:A:ARG:H	5	0.14
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	20	0.14
(4,3527)	2:258:A:ILE:HA	2:258:A:ILE:HG22	1	0.14
(4,3511)	2:251:A:THR:HG22	2:251:A:THR:H	15	0.14
(4,3511)	2:251:A:THR:HG23	2:251:A:THR:H	16	0.14
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	10	0.14
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	11	0.14
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	17	0.14
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	19	0.14
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	20	0.14
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	2	0.14
(4,3467)	2:249:A:GLU:HA	2:249:A:GLU:HG2	1	0.14
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	3	0.14
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	13	0.14
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	13	0.14
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	3	0.14
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	11	0.14
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	19	0.14
(4,3432)	2:256:A:ASP:H	2:256:A:ASP:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3418)	2:345:A:LEU:H	2:345:A:LEU:HD13	13	0.14
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	2	0.14
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	12	0.14
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	14	0.14
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	3	0.14
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	8	0.14
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	13	0.14
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	14	0.14
(4,3333)	1:1:B:ALA:HB1	2:336:A:ARG:HD2	5	0.14
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	10	0.14
(4,3331)	2:339:A:ILE:HD11	2:277:A:SER:HB3	15	0.14
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	16	0.14
(4,3331)	2:339:A:ILE:HD13	2:277:A:SER:HB3	17	0.14
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	1	0.14
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	4	0.14
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG11	19	0.14
(4,3286)	2:321:A:MET:HE2	2:284:A:MET:HE1	12	0.14
(4,3280)	1:7:B:SER:HB3	2:342:A:PRO:HA	13	0.14
(4,3270)	2:250:A:VAL:HB	2:251:A:THR:HA	2	0.14
(4,3270)	2:250:A:VAL:HB	2:251:A:THR:HA	6	0.14
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	9	0.14
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	18	0.14
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG23	11	0.14
(4,3237)	2:250:A:VAL:HB	2:251:A:THR:HG22	15	0.14
(4,3236)	1:2:B:ASP:HB3	2:251:A:THR:HG22	16	0.14
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	5	0.14
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	8	0.14
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	13	0.14
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	19	0.14
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB3	1	0.14
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	1	0.14
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB2	8	0.14
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	14	0.14
(4,3189)	2:276:A:MET:HE3	2:301:A:ASP:HB3	18	0.14
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG12	18	0.14
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	3	0.14
(4,3143)	2:259:A:VAL:HG13	2:259:A:VAL:HA	4	0.14
(4,3143)	2:259:A:VAL:HG11	2:259:A:VAL:HA	5	0.14
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	10	0.14
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	13	0.14
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG21	10	0.14
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3096)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	4	0.14
(4,3072)	2:325:A:PRO:HD3	2:328:A:THR:HG21	7	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	13	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	14	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	18	0.14
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	20	0.14
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	4	0.14
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	19	0.14
(4,3029)	2:285:A:LEU:HD23	2:286:A:PRO:HD3	17	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	1	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	2	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	6	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	7	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	9	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	11	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	14	0.14
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	18	0.14
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	7	0.14
(4,3007)	2:328:A:THR:HG23	2:328:A:THR:HA	6	0.14
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	10	0.14
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	17	0.14
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	1	0.14
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	5	0.14
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	7	0.14
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	15	0.14
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD21	14	0.14
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	6	0.14
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	15	0.14
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	11	0.14
(4,2920)	2:347:A:LEU:HB3	2:346:A:SER:HB3	19	0.14
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	8	0.14
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	19	0.14
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	8	0.14
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	14	0.14
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	9	0.14
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	10	0.14
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	20	0.14
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	2	0.14
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	5	0.14
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	7	0.14
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	20	0.14
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB1	13	0.14
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	7	0.14
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	3	0.14
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	5	0.14
(4,2606)	2:272:A:ALA:HB3	2:271:A:SER:H	12	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	1	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	7	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	9	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	10	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	13	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	16	0.14
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	20	0.14
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	2	0.14
(4,2589)	2:256:A:ASP:H	2:259:A:VAL:HB	10	0.14
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	4	0.14
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	9	0.14
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	18	0.14
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	19	0.14
(4,2525)	2:236:A:THR:H	2:235:A:THR:HB	13	0.14
(4,2513)	2:245:A:GLU:HB2	2:245:A:GLU:H	12	0.14
(4,2511)	2:244:A:ASP:HB2	2:245:A:GLU:H	9	0.14
(4,2506)	2:245:A:GLU:HA	2:246:A:VAL:H	18	0.14
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	7	0.14
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	1	0.14
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	4	0.14
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	12	0.14
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	14	0.14
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	19	0.14
(4,2390)	2:243:A:ALA:HB3	2:243:A:ALA:H	14	0.14
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	9	0.14
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	12	0.14
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	16	0.14
(4,2369)	2:253:A:SER:HA	2:254:A:LEU:H	8	0.14
(4,2369)	2:253:A:SER:HA	2:254:A:LEU:H	14	0.14
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	5	0.14
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	6	0.14
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	7	0.14
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	11	0.14
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	14	0.14
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	16	0.14
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	19	0.14
(4,2261)	2:300:A:GLY:H	2:299:A:SER:HB3	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	17	0.14
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	12	0.14
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	13	0.14
(4,2176)	2:276:A:MET:HB3	2:276:A:MET:H	3	0.14
(4,2176)	2:276:A:MET:HB3	2:276:A:MET:H	16	0.14
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	2	0.14
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	13	0.14
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	15	0.14
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	19	0.14
(4,2066)	2:347:A:LEU:H	2:346:A:SER:HA	12	0.14
(4,2013)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	8	0.14
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG22	6	0.14
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG23	14	0.14
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	1	0.14
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	1	0.14
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	2	0.14
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	7	0.14
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	8	0.14
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	9	0.14
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	18	0.14
(4,1962)	2:332:A:LEU:HD13	2:251:A:THR:HG22	20	0.14
(4,1955)	2:347:A:LEU:HB3	2:347:A:LEU:HD13	12	0.14
(4,1951)	2:250:A:VAL:HB	2:250:A:VAL:HG13	3	0.14
(4,1951)	2:250:A:VAL:HB	2:250:A:VAL:HG11	4	0.14
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	6	0.14
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	4	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	4	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	7	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	10	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	12	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	13	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	15	0.14
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	20	0.14
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	6	0.14
(4,1783)	2:301:A:ASP:H	2:304:A:PHE:HD1	1	0.14
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	4	0.14
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	16	0.14
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	20	0.14
(4,1742)	2:271:A:SER:H	2:269:A:PRO:HG3	20	0.14
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	2	0.14
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	4	0.14
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	6	0.14
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	8	0.14
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	12	0.14
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	12	0.14
(4,1711)	2:244:A:ASP:H	2:243:A:ALA:HB1	7	0.14
(4,1705)	2:240:A:GLN:H	2:240:A:GLN:HA	17	0.14
(4,1698)	2:263:A:SER:H	2:262:A:VAL:HB	6	0.14
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	1	0.14
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	4	0.14
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	18	0.14
(4,1675)	2:236:A:THR:H	2:235:A:THR:HB	13	0.14
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	4	0.14
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	11	0.14
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	14	0.14
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	16	0.14
(4,1646)	2:341:A:LYS:H	2:341:A:LYS:HG3	16	0.14
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	5	0.14
(4,1589)	2:229:A:ALA:HB1	2:230:A:GLU:H	13	0.14
(4,1566)	2:243:A:ALA:HB3	2:243:A:ALA:H	14	0.14
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	1	0.14
(4,1529)	2:296:A:SER:HB3	2:297:A:ARG:H	15	0.14
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	10	0.14
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	9	0.14
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	12	0.14
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	8	0.14
(4,1394)	2:276:A:MET:HG2	2:273:A:ARG:H	17	0.14
(4,1378)	2:337:A:ARG:HG3	2:337:A:ARG:H	1	0.14
(4,1378)	2:337:A:ARG:HG3	2:337:A:ARG:H	15	0.14
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	5	0.14
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	8	0.14
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	15	0.14
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	20	0.14
(4,1294)	1:9:B:GLY:H	1:12:B:ARG:HE	12	0.14
(4,1265)	1:10:B:ASN:HB2	1:12:B:ARG:H	10	0.14
(4,1255)	1:12:B:ARG:HG3	1:12:B:ARG:H	4	0.14
(4,1255)	1:12:B:ARG:HG3	1:12:B:ARG:H	15	0.14
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	8	0.14
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	2	0.14
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	10	0.14
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	11	0.14
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	12	0.14
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	18	0.14
(4,1223)	2:276:A:MET:HE1	2:301:A:ASP:HB2	13	0.14
(4,1179)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	12	0.14
(4,1178)	2:338:A:ILE:H	2:338:A:ILE:HG12	18	0.14
(4,1161)	2:328:A:THR:HG23	2:324:A:LEU:HG	16	0.14
(4,1154)	2:338:A:ILE:HD13	2:308:A:ALA:HB1	14	0.14
(4,1153)	2:338:A:ILE:HD13	2:338:A:ILE:HG21	19	0.14
(4,1138)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	4	0.14
(4,1093)	2:321:A:MET:HE2	2:284:A:MET:HE1	12	0.14
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG13	8	0.14
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	1	0.14
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	9	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	3	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	6	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	8	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	12	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	16	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	18	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	19	0.14
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	20	0.14
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB1	7	0.14
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	10	0.14
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	13	0.14
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	19	0.14
(4,1051)	2:312:A:VAL:H	2:310:A:ALA:HA	18	0.14
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	3	0.14
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	3	0.14
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	10	0.14
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	12	0.14
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD22	9	0.14
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG23	5	0.14
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG21	13	0.14
(4,997)	2:252:A:GLY:H	2:332:A:LEU:HD13	13	0.14
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	13	0.14
(4,983)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	14	0.14
(4,979)	2:263:A:SER:HB2	2:264:A:GLN:H	7	0.14
(4,970)	2:272:A:ALA:HB2	2:273:A:ARG:HA	2	0.14
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	3	0.14
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	10	0.14
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	18	0.14
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	6	0.14
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG13	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	1	0.14
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	6	0.14
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	9	0.14
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	12	0.14
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE3	20	0.14
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	3	0.14
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	14	0.14
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	20	0.14
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	3	0.14
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	11	0.14
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	13	0.14
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	15	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	1	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	2	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	4	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	11	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	12	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	13	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	14	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	15	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	16	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	17	0.14
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	19	0.14
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	1	0.14
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	6	0.14
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	12	0.14
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	14	0.14
(4,755)	2:259:A:VAL:HG21	2:259:A:VAL:H	12	0.14
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	14	0.14
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	19	0.14
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	3	0.14
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	4	0.14
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	9	0.14
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	17	0.14
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	20	0.14
(4,740)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	20	0.14
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	6	0.14
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	9	0.14
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	11	0.14
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	1	0.14
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	9	0.14
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	3	0.14
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	4	0.14
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	7	0.14
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	4	0.14
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	6	0.14
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	8	0.14
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	14	0.14
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	15	0.14
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	5	0.14
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	19	0.14
(4,612)	2:335:A:GLN:H	2:334:A:ARG:HB3	2	0.14
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	20	0.14
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG13	16	0.14
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	7	0.14
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	12	0.14
(4,529)	2:253:A:SER:HB2	2:254:A:LEU:H	12	0.14
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	12	0.14
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD12	2	0.14
(4,498)	2:283:A:GLU:HB3	2:283:A:GLU:H	1	0.14
(4,498)	2:283:A:GLU:HB3	2:283:A:GLU:H	9	0.14
(4,498)	2:283:A:GLU:HB3	2:283:A:GLU:H	18	0.14
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	1	0.14
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	17	0.14
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	4	0.14
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	17	0.14
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	8	0.14
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	8	0.14
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	10	0.14
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	19	0.14
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	6	0.14
(4,453)	2:313:A:ARG:HA	2:312:A:VAL:HG21	2	0.14
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	1	0.14
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	3	0.14
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	13	0.14
(4,449)	2:257:A:LEU:HB2	2:257:A:LEU:HA	20	0.14
(4,448)	2:255:A:ASP:HA	2:258:A:ILE:HD13	2	0.14
(4,431)	2:285:A:LEU:HD23	2:289:A:THR:HB	16	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG11	7	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	8	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	9	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	11	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG11	13	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	15	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	17	0.14
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	20	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	1	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	3	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	4	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	5	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	6	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	7	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	10	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	11	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	12	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	13	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	14	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	15	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	17	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	18	0.14
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	19	0.14
(4,400)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	18	0.14
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	7	0.14
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE2	12	0.14
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE2	20	0.14
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	1	0.14
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	3	0.14
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	9	0.14
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	13	0.14
(4,337)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	1	0.14
(4,337)	2:295:A:VAL:HG22	2:305:A:ASP:HB2	11	0.14
(4,337)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	12	0.14
(4,337)	2:295:A:VAL:HG21	2:305:A:ASP:HB2	13	0.14
(4,318)	2:289:A:THR:HG22	2:317:A:ARG:HD2	9	0.14
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	16	0.14
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	18	0.14
(4,306)	2:273:A:ARG:HA	2:345:A:LEU:HD23	18	0.14
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	2	0.14
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	12	0.14
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	13	0.14
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	14	0.14
(4,290)	2:280:A:VAL:HG13	2:295:A:VAL:HA	11	0.14
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD13	1	0.14
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG22	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	11	0.14
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	8	0.14
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD12	10	0.14
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	12	0.14
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	13	0.14
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	4	0.14
(4,218)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	15	0.14
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	16	0.14
(4,199)	2:298:A:SER:HA	2:298:A:SER:HB3	14	0.14
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	11	0.14
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	15	0.14
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	16	0.14
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	14	0.14
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG13	20	0.14
(4,178)	2:249:A:GLU:HA	2:250:A:VAL:HG13	14	0.14
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	12	0.14
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	13	0.14
(4,176)	2:235:A:THR:HG22	2:235:A:THR:HB	19	0.14
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	9	0.14
(4,99)	2:338:A:ILE:HB	2:338:A:ILE:HA	1	0.14
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	15	0.14
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD12	7	0.14
(4,33)	2:332:A:LEU:HD11	2:332:A:LEU:HD23	9	0.14
(4,17)	2:319:A:PRO:HD3	2:318:A:ILE:HG13	16	0.14
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	8	0.14
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	1	0.14
(3,601)	2:302:A:LYS:HE2	2:302:A:LYS:HG2	18	0.14
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	10	0.14
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	16	0.14
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD13	2	0.14
(3,594)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	14	0.14
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	9	0.14
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	5	0.14
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	13	0.14
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	16	0.14
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	3	0.14
(3,567)	2:270:A:PRO:HD2	2:270:A:PRO:HA	15	0.14
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	18	0.14
(3,560)	2:335:A:GLN:HG2	2:336:A:ARG:H	10	0.14
(3,538)	2:297:A:ARG:HG2	2:297:A:ARG:HA	20	0.14
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	1	0.14
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD21	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD22	9	0.14
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD13	14	0.14
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD12	15	0.14
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	3	0.14
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	4	0.14
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	9	0.14
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	10	0.14
(3,517)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	13	0.14
(3,507)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	20	0.14
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	8	0.14
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	16	0.14
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	2	0.14
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	13	0.14
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	16	0.14
(3,484)	2:231:A:LEU:HD13	2:231:A:LEU:H	12	0.14
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	15	0.14
(3,472)	2:238:A:ARG:HB2	2:239:A:GLN:H	19	0.14
(3,468)	2:247:A:GLY:HA2	2:248:A:SER:H	12	0.14
(3,443)	2:254:A:LEU:HD21	2:324:A:LEU:H	13	0.14
(3,434)	2:302:A:LYS:H	2:302:A:LYS:HD2	13	0.14
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	7	0.14
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG23	8	0.14
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	20	0.14
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	9	0.14
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD22	5	0.14
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	11	0.14
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	14	0.14
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	16	0.14
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG23	8	0.14
(3,371)	2:345:A:LEU:HD23	2:276:A:MET:H	14	0.14
(3,370)	2:334:A:ARG:HG2	2:334:A:ARG:HA	9	0.14
(3,370)	2:334:A:ARG:HG2	2:334:A:ARG:HA	12	0.14
(3,344)	2:231:A:LEU:HB2	2:231:A:LEU:H	7	0.14
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	1	0.14
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	2	0.14
(3,328)	2:280:A:VAL:HG13	2:281:A:LEU:H	12	0.14
(3,309)	2:283:A:GLU:HB3	2:283:A:GLU:H	1	0.14
(3,309)	2:283:A:GLU:HB3	2:283:A:GLU:H	9	0.14
(3,309)	2:283:A:GLU:HB3	2:283:A:GLU:H	18	0.14
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	3	0.14
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	7	0.14
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	10	0.14
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	11	0.14
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	15	0.14
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	20	0.14
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	6	0.14
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	6	0.14
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	12	0.14
(3,265)	2:335:A:GLN:HG3	2:335:A:GLN:H	13	0.14
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	18	0.14
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	5	0.14
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	8	0.14
(3,224)	2:325:A:PRO:HB3	2:327:A:ALA:H	1	0.14
(3,215)	2:249:A:GLU:H	2:248:A:SER:HB2	2	0.14
(3,212)	2:237:A:GLU:HA	2:237:A:GLU:H	11	0.14
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG13	15	0.14
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	19	0.14
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	2	0.14
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	1	0.14
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	10	0.14
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	13	0.14
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	17	0.14
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	9	0.14
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	12	0.14
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	3	0.14
(3,72)	2:343:A:GLU:HG2	2:343:A:GLU:H	3	0.14
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	3	0.14
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	7	0.14
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	15	0.14
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	12	0.14
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	19	0.14
(3,43)	2:242:A:LEU:HD11	2:242:A:LEU:HB3	6	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD11	3	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD13	8	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	11	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD11	17	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD11	18	0.14
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	19	0.14
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG21	20	0.14
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	6	0.14
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	1	0.14
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	10	0.14
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	3	0.14
(3,8)	2:341:A:LYS:HD2	2:341:A:LYS:HA	15	0.14
(4,4434)	1:11:B:ASP:HB2	1:11:B:ASP:H	3	0.13
(4,4420)	1:13:B:ALA:H	1:12:B:ARG:HG2	16	0.13
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	12	0.13
(4,4417)	1:12:B:ARG:HB2	1:12:B:ARG:H	15	0.13
(4,4407)	1:6:B:ILE:H	1:5:B:VAL:HG12	17	0.13
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	10	0.13
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	12	0.13
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	2	0.13
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	3	0.13
(4,4351)	2:276:A:MET:HE1	2:304:A:PHE:H	1	0.13
(4,4351)	2:276:A:MET:HE2	2:304:A:PHE:H	16	0.13
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	5	0.13
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	17	0.13
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	18	0.13
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	1	0.13
(4,4259)	2:258:A:ILE:HD13	2:333:A:TYR:HA	2	0.13
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	20	0.13
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	3	0.13
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	10	0.13
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	12	0.13
(4,4223)	2:323:A:GLN:HG3	2:323:A:GLN:HA	15	0.13
(4,4213)	2:315:A:VAL:HG12	2:316:A:GLY:H	6	0.13
(4,4213)	2:315:A:VAL:HG12	2:316:A:GLY:H	16	0.13
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	6	0.13
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	8	0.13
(4,4192)	2:267:A:ARG:HG2	2:267:A:ARG:HA	7	0.13
(4,4192)	2:267:A:ARG:HG2	2:267:A:ARG:HA	9	0.13
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG11	9	0.13
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG12	14	0.13
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	5	0.13
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	8	0.13
(4,4094)	2:284:A:MET:HG3	2:290:A:ILE:HG21	16	0.13
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	6	0.13
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	13	0.13
(4,4064)	1:6:B:ILE:HG22	2:259:A:VAL:HG11	1	0.13
(4,4064)	1:6:B:ILE:HG22	2:259:A:VAL:HG13	14	0.13
(4,4064)	1:6:B:ILE:HG21	2:259:A:VAL:HG11	17	0.13
(4,4044)	1:2:B:ASP:HB3	2:251:A:THR:HG23	5	0.13
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	3	0.13
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	15	0.13
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	2	0.13
(4,3984)	2:305:A:ASP:HA	2:308:A:ALA:HB1	12	0.13
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	2	0.13
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	13	0.13
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	17	0.13
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	20	0.13
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG11	2	0.13
(4,3957)	2:313:A:ARG:H	2:309:A:VAL:HG12	16	0.13
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	5	0.13
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	8	0.13
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	17	0.13
(4,3954)	2:309:A:VAL:HG22	2:309:A:VAL:HA	19	0.13
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	2	0.13
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	8	0.13
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	16	0.13
(4,3915)	2:276:A:MET:HE1	2:301:A:ASP:H	9	0.13
(4,3913)	2:276:A:MET:HE2	2:304:A:PHE:HB3	18	0.13
(4,3906)	2:281:A:LEU:HD13	2:296:A:SER:HB3	14	0.13
(4,3905)	2:335:A:GLN:HE22	2:281:A:LEU:HD12	4	0.13
(4,3901)	2:296:A:SER:HB2	2:281:A:LEU:HD22	1	0.13
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	13	0.13
(4,3858)	2:321:A:MET:HE3	2:288:A:GLY:HA2	5	0.13
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	15	0.13
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	16	0.13
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	20	0.13
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG21	6	0.13
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	17	0.13
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	2	0.13
(4,3810)	2:291:A:THR:HG23	2:291:A:THR:HA	16	0.13
(4,3786)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	14	0.13
(4,3781)	2:260:A:ASN:HB2	2:261:A:LEU:H	9	0.13
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	4	0.13
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	16	0.13
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG12	11	0.13
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	16	0.13
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG12	17	0.13
(4,3766)	2:259:A:VAL:HG13	2:259:A:VAL:HA	10	0.13
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	16	0.13
(4,3740)	2:272:A:ALA:HA	2:345:A:LEU:HD23	17	0.13
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	8	0.13
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3731)	2:274:A:ASN:H	2:274:A:ASN:HB3	4	0.13
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	2	0.13
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	7	0.13
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	8	0.13
(4,3699)	2:277:A:SER:HB2	2:341:A:LYS:HA	7	0.13
(4,3693)	2:278:A:VAL:H	2:277:A:SER:HB3	4	0.13
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	8	0.13
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	12	0.13
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	20	0.13
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	12	0.13
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	2	0.13
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	3	0.13
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	6	0.13
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	16	0.13
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	10	0.13
(4,3615)	2:326:A:ARG:HG2	2:326:A:ARG:HA	12	0.13
(4,3609)	2:326:A:ARG:HB2	2:327:A:ALA:H	8	0.13
(4,3604)	2:327:A:ALA:HB2	2:328:A:THR:H	3	0.13
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	1	0.13
(4,3578)	2:332:A:LEU:HD13	2:332:A:LEU:H	1	0.13
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	2	0.13
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	15	0.13
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	16	0.13
(4,3490)	2:254:A:LEU:HD23	2:254:A:LEU:HA	5	0.13
(4,3484)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	3	0.13
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	14	0.13
(4,3451)	2:254:A:LEU:H	2:253:A:SER:HB3	10	0.13
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD21	7	0.13
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	9	0.13
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	4	0.13
(4,3420)	2:347:A:LEU:H	2:345:A:LEU:HD11	13	0.13
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	8	0.13
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	15	0.13
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	1	0.13
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	11	0.13
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	2	0.13
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	6	0.13
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	7	0.13
(4,3336)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	15	0.13
(4,3333)	1:1:B:ALA:HB2	2:336:A:ARG:HD2	18	0.13
(4,3331)	2:339:A:ILE:HD13	2:277:A:SER:HB3	1	0.13
(4,3331)	2:339:A:ILE:HD13	2:277:A:SER:HB3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	19	0.13
(4,3324)	2:272:A:ALA:HB1	2:345:A:LEU:HD22	7	0.13
(4,3319)	2:285:A:LEU:HD21	2:289:A:THR:HB	15	0.13
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG13	6	0.13
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG11	14	0.13
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG11	16	0.13
(4,3316)	2:295:A:VAL:HB	2:295:A:VAL:HG12	18	0.13
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE2	3	0.13
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE3	20	0.13
(4,3281)	1:7:B:SER:HB2	2:342:A:PRO:HA	1	0.13
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	4	0.13
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	11	0.13
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	3	0.13
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	11	0.13
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	13	0.13
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	14	0.13
(4,3247)	1:6:B:ILE:HG23	2:259:A:VAL:HG12	13	0.13
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	18	0.13
(4,3215)	2:312:A:VAL:HG13	2:308:A:ALA:HB3	7	0.13
(4,3211)	2:305:A:ASP:HA	2:308:A:ALA:HB2	16	0.13
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	15	0.13
(4,3189)	2:276:A:MET:HE2	2:301:A:ASP:HB3	2	0.13
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE1	4	0.13
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	18	0.13
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	3	0.13
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	17	0.13
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	8	0.13
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	14	0.13
(4,3179)	2:295:A:VAL:HG23	2:305:A:ASP:HB2	3	0.13
(4,3168)	2:321:A:MET:HE3	2:321:A:MET:HG3	6	0.13
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG12	8	0.13
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	18	0.13
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG21	2	0.13
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	10	0.13
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	13	0.13
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	1	0.13
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD12	4	0.13
(4,3052)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	12	0.13
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	2	0.13
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	10	0.13
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	11	0.13
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	20	0.13
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	4	0.13
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	12	0.13
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	13	0.13
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	17	0.13
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	16	0.13
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	1	0.13
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	2	0.13
(4,3007)	2:328:A:THR:HG23	2:328:A:THR:HA	3	0.13
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	12	0.13
(4,3007)	2:328:A:THR:HG23	2:328:A:THR:HA	19	0.13
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	4	0.13
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	13	0.13
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	16	0.13
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	18	0.13
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	19	0.13
(4,2994)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	10	0.13
(4,2929)	2:234:A:ASP:HA	2:234:A:ASP:HB2	1	0.13
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	14	0.13
(4,2885)	2:337:A:ARG:HB2	2:337:A:ARG:HD2	2	0.13
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	8	0.13
(4,2840)	2:334:A:ARG:HG3	2:334:A:ARG:HA	2	0.13
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	16	0.13
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	1	0.13
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	20	0.13
(4,2736)	2:345:A:LEU:HA	2:346:A:SER:H	2	0.13
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	5	0.13
(4,2708)	2:323:A:GLN:H	2:323:A:GLN:HG3	3	0.13
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	16	0.13
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	19	0.13
(4,2703)	2:322:A:GLN:H	2:321:A:MET:HB3	7	0.13
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB3	10	0.13
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB3	12	0.13
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	3	0.13
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	8	0.13
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	16	0.13
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	2	0.13
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	6	0.13
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	17	0.13
(4,2606)	2:272:A:ALA:HB1	2:271:A:SER:H	10	0.13
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	15	0.13
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	18	0.13
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	6	0.13
(4,2517)	2:336:A:ARG:HD3	2:336:A:ARG:H	7	0.13
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	8	0.13
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	11	0.13
(4,2445)	2:315:A:VAL:HG11	2:262:A:VAL:H	2	0.13
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	10	0.13
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	13	0.13
(4,2421)	2:307:A:SER:H	2:303:A:PRO:HA	18	0.13
(4,2393)	2:236:A:THR:H	2:237:A:GLU:H	1	0.13
(4,2393)	2:236:A:THR:H	2:237:A:GLU:H	2	0.13
(4,2392)	2:241:A:ALA:HB3	2:241:A:ALA:H	13	0.13
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	13	0.13
(4,2279)	2:247:A:GLY:H	2:248:A:SER:H	8	0.13
(4,2273)	2:275:A:GLY:H	2:276:A:MET:H	2	0.13
(4,2247)	2:252:A:GLY:H	2:251:A:THR:HG21	6	0.13
(4,2239)	2:277:A:SER:HB2	2:277:A:SER:H	3	0.13
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	5	0.13
(4,2193)	2:334:A:ARG:HG3	2:334:A:ARG:H	15	0.13
(4,2192)	2:334:A:ARG:H	2:333:A:TYR:HB3	19	0.13
(4,2187)	2:332:A:LEU:HA	2:334:A:ARG:H	2	0.13
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	5	0.13
(4,2176)	2:276:A:MET:HB3	2:276:A:MET:H	9	0.13
(4,2176)	2:276:A:MET:HB3	2:276:A:MET:H	10	0.13
(4,2143)	2:336:A:ARG:HD3	2:337:A:ARG:H	4	0.13
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG22	3	0.13
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	8	0.13
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	11	0.13
(4,2013)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	4	0.13
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	6	0.13
(4,1985)	2:253:A:SER:HA	2:253:A:SER:HB3	13	0.13
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	4	0.13
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG23	2	0.13
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG23	10	0.13
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG23	11	0.13
(4,1973)	2:259:A:VAL:HG22	2:338:A:ILE:HG21	14	0.13
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	12	0.13
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	13	0.13
(4,1960)	2:328:A:THR:HG23	2:324:A:LEU:HD12	16	0.13
(4,1959)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	8	0.13
(4,1953)	2:321:A:MET:HA	2:254:A:LEU:HD21	4	0.13
(4,1909)	2:271:A:SER:H	2:269:A:PRO:HG3	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	9	0.13
(4,1822)	2:323:A:GLN:H	2:323:A:GLN:HG3	3	0.13
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	2	0.13
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	5	0.13
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	20	0.13
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	17	0.13
(4,1795)	2:311:A:ALA:H	2:308:A:ALA:HB1	13	0.13
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	3	0.13
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	5	0.13
(4,1743)	2:272:A:ALA:HB3	2:271:A:SER:H	12	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	1	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	7	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	9	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	10	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	13	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	14	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	16	0.13
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	20	0.13
(4,1730)	2:265:A:GLN:HB3	2:266:A:TRP:H	5	0.13
(4,1730)	2:265:A:GLN:HB3	2:266:A:TRP:H	14	0.13
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	2	0.13
(4,1726)	2:256:A:ASP:H	2:259:A:VAL:HB	10	0.13
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	9	0.13
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	19	0.13
(4,1665)	2:245:A:GLU:HB2	2:245:A:GLU:H	12	0.13
(4,1659)	2:245:A:GLU:HA	2:246:A:VAL:H	18	0.13
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE3	13	0.13
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	4	0.13
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	14	0.13
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	15	0.13
(4,1553)	2:253:A:SER:HA	2:254:A:LEU:H	8	0.13
(4,1553)	2:253:A:SER:HA	2:254:A:LEU:H	14	0.13
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	5	0.13
(4,1488)	2:275:A:GLY:H	2:276:A:MET:H	2	0.13
(4,1476)	2:300:A:GLY:H	2:299:A:SER:HB3	5	0.13
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	17	0.13
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	12	0.13
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	18	0.13
(4,1407)	2:276:A:MET:HB3	2:276:A:MET:H	3	0.13
(4,1407)	2:276:A:MET:HB3	2:276:A:MET:H	16	0.13
(4,1378)	2:337:A:ARG:HG3	2:337:A:ARG:H	8	0.13
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	15	0.13
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	19	0.13
(4,1323)	2:347:A:LEU:H	2:346:A:SER:HA	12	0.13
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	2	0.13
(4,1269)	1:10:B:ASN:HB2	1:11:B:ASP:H	10	0.13
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	19	0.13
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	13	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	1	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	6	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	7	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	9	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	16	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	17	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	19	0.13
(4,1237)	2:265:A:GLN:HE22	2:265:A:GLN:HG2	20	0.13
(4,1210)	2:282:A:ILE:HB	2:283:A:GLU:H	1	0.13
(4,1210)	2:282:A:ILE:HB	2:283:A:GLU:H	12	0.13
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	1	0.13
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	3	0.13
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	2	0.13
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	8	0.13
(4,1166)	2:322:A:GLN:HG2	2:322:A:GLN:H	9	0.13
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	6	0.13
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	2	0.13
(4,1141)	2:285:A:LEU:HG	2:291:A:THR:HG22	3	0.13
(4,1138)	2:345:A:LEU:HD23	2:342:A:PRO:HG2	13	0.13
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	7	0.13
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	18	0.13
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	20	0.13
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	5	0.13
(4,1124)	2:315:A:VAL:HG13	2:316:A:GLY:H	14	0.13
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	2	0.13
(4,1122)	2:315:A:VAL:HG12	2:315:A:VAL:HA	7	0.13
(4,1115)	2:321:A:MET:H	2:318:A:ILE:HG23	17	0.13
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG11	11	0.13
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG12	20	0.13
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	3	0.13
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	8	0.13
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	17	0.13
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	17	0.13
(4,1061)	2:347:A:LEU:HD12	2:347:A:LEU:HA	1	0.13
(4,1061)	2:347:A:LEU:HD13	2:347:A:LEU:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1052)	2:310:A:ALA:HA	2:310:A:ALA:HB3	20	0.13
(4,1038)	2:317:A:ARG:H	2:317:A:ARG:HD2	5	0.13
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	5	0.13
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	8	0.13
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	12	0.13
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	15	0.13
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	7	0.13
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	20	0.13
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD23	10	0.13
(4,993)	2:321:A:MET:HE2	2:254:A:LEU:HD22	14	0.13
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	7	0.13
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	7	0.13
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	14	0.13
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	17	0.13
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	19	0.13
(4,908)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	13	0.13
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	7	0.13
(4,884)	2:277:A:SER:H	2:276:A:MET:HE3	15	0.13
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	4	0.13
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG22	8	0.13
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	11	0.13
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	16	0.13
(4,853)	2:294:A:SER:H	2:293:A:ALA:HB3	10	0.13
(4,823)	2:292:A:ASN:H	2:290:A:ILE:HG22	2	0.13
(4,819)	2:316:A:GLY:HA3	2:316:A:GLY:H	18	0.13
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	5	0.13
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	7	0.13
(4,795)	2:291:A:THR:HG23	2:291:A:THR:HA	10	0.13
(4,795)	2:291:A:THR:HG23	2:291:A:THR:HA	17	0.13
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	18	0.13
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	3	0.13
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	5	0.13
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	10	0.13
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD21	6	0.13
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD23	9	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	2	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	8	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	11	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	15	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	17	0.13
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	20	0.13
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG11	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,755)	2:259:A:VAL:HG21	2:259:A:VAL:H	3	0.13
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	4	0.13
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	16	0.13
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	17	0.13
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	20	0.13
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	6	0.13
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	11	0.13
(4,740)	2:272:A:ALA:HB3	2:345:A:LEU:HD21	3	0.13
(4,740)	2:272:A:ALA:HB1	2:345:A:LEU:HD21	15	0.13
(4,738)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	2	0.13
(4,738)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	11	0.13
(4,713)	2:277:A:SER:HB2	2:341:A:LYS:HA	14	0.13
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	8	0.13
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	20	0.13
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	2	0.13
(4,649)	2:326:A:ARG:HG2	2:326:A:ARG:HA	3	0.13
(4,648)	2:326:A:ARG:HG3	2:327:A:ALA:H	7	0.13
(4,640)	2:327:A:ALA:HB1	2:328:A:THR:H	5	0.13
(4,640)	2:327:A:ALA:HB2	2:328:A:THR:H	7	0.13
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	10	0.13
(4,640)	2:327:A:ALA:HB2	2:328:A:THR:H	11	0.13
(4,640)	2:327:A:ALA:HB2	2:328:A:THR:H	16	0.13
(4,606)	2:281:A:LEU:HD13	2:336:A:ARG:H	13	0.13
(4,603)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	15	0.13
(4,582)	2:347:A:LEU:HB3	2:273:A:ARG:HD3	5	0.13
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	19	0.13
(4,553)	2:250:A:VAL:HG23	2:249:A:GLU:HG2	11	0.13
(4,551)	2:250:A:VAL:H	2:250:A:VAL:HG13	14	0.13
(4,546)	2:249:A:GLU:H	2:249:A:GLU:HB2	4	0.13
(4,546)	2:249:A:GLU:H	2:249:A:GLU:HB2	18	0.13
(4,530)	2:263:A:SER:HB2	2:263:A:SER:HA	5	0.13
(4,525)	2:253:A:SER:HB2	2:253:A:SER:HA	10	0.13
(4,524)	2:253:A:SER:HA	2:253:A:SER:HB3	10	0.13
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	2	0.13
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	5	0.13
(4,508)	2:238:A:ARG:H	2:237:A:GLU:HA	5	0.13
(4,503)	2:347:A:LEU:H	2:345:A:LEU:HD11	6	0.13
(4,498)	2:283:A:GLU:HB3	2:283:A:GLU:H	4	0.13
(4,498)	2:283:A:GLU:HB3	2:283:A:GLU:H	17	0.13
(4,488)	2:284:A:MET:HG3	2:285:A:LEU:H	15	0.13
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	1	0.13
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	9	0.13
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	11	0.13
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	19	0.13
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	1	0.13
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	4	0.13
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG12	1	0.13
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	2	0.13
(4,418)	2:249:A:GLU:HB2	2:332:A:LEU:HD23	10	0.13
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	15	0.13
(4,407)	2:322:A:GLN:HB2	2:322:A:GLN:HA	8	0.13
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	10	0.13
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	18	0.13
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	5	0.13
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	19	0.13
(4,368)	2:265:A:GLN:HG3	2:265:A:GLN:HA	15	0.13
(4,346)	2:276:A:MET:HE3	2:301:A:ASP:HB3	18	0.13
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE2	6	0.13
(4,343)	2:281:A:LEU:HD13	2:336:A:ARG:HA	16	0.13
(4,328)	2:321:A:MET:HE3	2:321:A:MET:HG3	10	0.13
(4,317)	2:289:A:THR:HG23	2:317:A:ARG:HA	12	0.13
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	3	0.13
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	4	0.13
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	5	0.13
(4,310)	2:259:A:VAL:HG13	2:259:A:VAL:HA	8	0.13
(4,310)	2:259:A:VAL:HG11	2:259:A:VAL:HA	17	0.13
(4,291)	2:280:A:VAL:HG22	2:308:A:ALA:HB3	10	0.13
(4,290)	2:280:A:VAL:HG11	2:295:A:VAL:HA	3	0.13
(4,290)	2:280:A:VAL:HG11	2:295:A:VAL:HA	20	0.13
(4,284)	2:282:A:ILE:HA	2:282:A:ILE:HD11	2	0.13
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	7	0.13
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	20	0.13
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD12	1	0.13
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD12	3	0.13
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	13	0.13
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	20	0.13
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD23	19	0.13
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	5	0.13
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	5	0.13
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	8	0.13
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	10	0.13
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	17	0.13
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	5	0.13
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	8	0.13
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD21	14	0.13
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	11	0.13
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	14	0.13
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	16	0.13
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	4	0.13
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	7	0.13
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	14	0.13
(4,176)	2:235:A:THR:HG21	2:235:A:THR:HB	11	0.13
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	19	0.13
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD11	6	0.13
(4,120)	2:347:A:LEU:HB3	2:347:A:LEU:HD12	10	0.13
(4,75)	2:332:A:LEU:HD13	2:251:A:THR:HG21	16	0.13
(4,72)	2:251:A:THR:HA	2:254:A:LEU:HD11	15	0.13
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	2	0.13
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD13	20	0.13
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	12	0.13
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	15	0.13
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD2	7	0.13
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	3	0.13
(3,595)	1:3:B:PRO:HG3	2:337:A:ARG:HD2	14	0.13
(3,594)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	19	0.13
(3,591)	2:343:A:GLU:HG2	2:344:A:ASP:H	18	0.13
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	6	0.13
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	12	0.13
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	19	0.13
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	17	0.13
(3,532)	2:247:A:GLY:HA3	2:246:A:VAL:HG23	8	0.13
(3,530)	2:240:A:GLN:HG2	2:240:A:GLN:HA	11	0.13
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD11	10	0.13
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD13	12	0.13
(3,529)	2:242:A:LEU:HG	2:242:A:LEU:HD13	16	0.13
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	11	0.13
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	14	0.13
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG23	9	0.13
(3,525)	2:303:A:PRO:HD3	2:302:A:LYS:HB2	7	0.13
(3,525)	2:303:A:PRO:HD3	2:302:A:LYS:HB2	17	0.13
(3,517)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	3	0.13
(3,516)	2:238:A:ARG:HA	2:238:A:ARG:HG2	1	0.13
(3,516)	2:238:A:ARG:HA	2:238:A:ARG:HG2	19	0.13
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	3	0.13
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	12	0.13
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	2	0.13
(3,500)	2:248:A:SER:HB3	2:248:A:SER:HA	20	0.13
(3,497)	2:237:A:GLU:HG2	2:237:A:GLU:HA	19	0.13
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	8	0.13
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	9	0.13
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	14	0.13
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	19	0.13
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	4	0.13
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	10	0.13
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	11	0.13
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	16	0.13
(3,474)	2:270:A:PRO:HG2	2:271:A:SER:H	8	0.13
(3,456)	2:248:A:SER:HB3	2:249:A:GLU:H	8	0.13
(3,410)	2:287:A:ASP:HB3	2:287:A:ASP:HA	7	0.13
(3,410)	2:287:A:ASP:HB3	2:287:A:ASP:HA	13	0.13
(3,400)	2:251:A:THR:HB	2:332:A:LEU:HD23	9	0.13
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	13	0.13
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	17	0.13
(3,394)	2:332:A:LEU:HG	2:332:A:LEU:HD21	9	0.13
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	20	0.13
(3,382)	2:275:A:GLY:HA2	2:342:A:PRO:HG2	17	0.13
(3,355)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	14	0.13
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	6	0.13
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	10	0.13
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	13	0.13
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD13	9	0.13
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD11	12	0.13
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD13	18	0.13
(3,319)	2:326:A:ARG:HB3	2:327:A:ALA:H	9	0.13
(3,316)	2:240:A:GLN:HB3	2:241:A:ALA:H	20	0.13
(3,309)	2:283:A:GLU:HB3	2:283:A:GLU:H	4	0.13
(3,309)	2:283:A:GLU:HB3	2:283:A:GLU:H	17	0.13
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	7	0.13
(3,302)	2:238:A:ARG:HA	2:238:A:ARG:H	20	0.13
(3,296)	2:279:A:GLU:HB3	2:280:A:VAL:H	7	0.13
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	1	0.13
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	2	0.13
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	13	0.13
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	16	0.13
(3,272)	2:231:A:LEU:HD13	2:231:A:LEU:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,270)	2:228:A:LEU:HA	2:228:A:LEU:H	7	0.13
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	15	0.13
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	12	0.13
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	6	0.13
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	15	0.13
(3,184)	2:254:A:LEU:HD21	2:324:A:LEU:H	13	0.13
(3,176)	2:272:A:ALA:H	2:268:A:ARG:HB2	4	0.13
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	2	0.13
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	16	0.13
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG23	20	0.13
(3,151)	2:329:A:PHE:HB2	2:324:A:LEU:HD11	17	0.13
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	9	0.13
(3,129)	2:329:A:PHE:HA	2:324:A:LEU:HB2	6	0.13
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	5	0.13
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	3	0.13
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	4	0.13
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	9	0.13
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	14	0.13
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	6	0.13
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	8	0.13
(3,83)	2:270:A:PRO:HG3	2:270:A:PRO:HA	9	0.13
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	9	0.13
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	14	0.13
(3,72)	2:343:A:GLU:HG2	2:343:A:GLU:H	14	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	1	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	5	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	6	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	10	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	12	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	13	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	17	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	18	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	19	0.13
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	20	0.13
(3,51)	2:297:A:ARG:HG2	2:297:A:ARG:HA	20	0.13
(3,49)	2:250:A:VAL:HB	2:332:A:LEU:HD23	2	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	1	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD21	5	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD23	7	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD13	13	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD13	14	0.13
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD12	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD12	20	0.13
(3,29)	2:238:A:ARG:HB2	2:238:A:ARG:HG2	13	0.13
(3,22)	2:302:A:LYS:HG3	2:302:A:LYS:HE3	20	0.13
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	8	0.13
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	13	0.13
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	16	0.13
(2,4)	2:337:A:ARG:O	1:4:B:LEU:H	3	0.13
(1,1)	2:257:A:LEU:H	2:253:A:SER:O	6	0.13
(4,4434)	1:11:B:ASP:HB2	1:11:B:ASP:H	7	0.12
(4,4399)	1:8:B:SER:HB3	2:266:A:TRP:HE3	9	0.12
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	17	0.12
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	11	0.12
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	13	0.12
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	19	0.12
(4,4353)	2:276:A:MET:HE1	2:301:A:ASP:HB2	5	0.12
(4,4353)	2:276:A:MET:HE1	2:301:A:ASP:HB2	7	0.12
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	4	0.12
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	8	0.12
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	9	0.12
(4,4327)	2:282:A:ILE:HB	2:283:A:GLU:H	15	0.12
(4,4281)	2:343:A:GLU:HG2	1:7:B:SER:HB3	9	0.12
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	4	0.12
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	6	0.12
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	12	0.12
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	15	0.12
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	19	0.12
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	20	0.12
(4,4252)	2:338:A:ILE:HD11	2:308:A:ALA:HB3	13	0.12
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	3	0.12
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	12	0.12
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	20	0.12
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	14	0.12
(4,4237)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	1	0.12
(4,4227)	2:347:A:LEU:HD12	2:346:A:SER:HB3	4	0.12
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	9	0.12
(4,4174)	2:284:A:MET:HE3	2:284:A:MET:HG2	2	0.12
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	12	0.12
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	3	0.12
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	9	0.12
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	12	0.12
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	14	0.12
(4,4128)	2:322:A:GLN:HG3	2:322:A:GLN:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	1	0.12
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	2	0.12
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	9	0.12
(4,4095)	2:313:A:ARG:H	2:313:A:ARG:HG3	16	0.12
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	10	0.12
(4,4064)	1:6:B:ILE:HG23	2:259:A:VAL:HG13	8	0.12
(4,4061)	2:255:A:ASP:HA	2:258:A:ILE:HG21	15	0.12
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	4	0.12
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	7	0.12
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	9	0.12
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	18	0.12
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	19	0.12
(4,4045)	2:250:A:VAL:HB	2:251:A:THR:HG21	20	0.12
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	19	0.12
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	4	0.12
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	7	0.12
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	8	0.12
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	10	0.12
(4,4009)	2:335:A:GLN:HE21	2:334:A:ARG:HD3	13	0.12
(4,4008)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	20	0.12
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	3	0.12
(4,3962)	2:309:A:VAL:HA	2:312:A:VAL:HA	16	0.12
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	12	0.12
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	18	0.12
(4,3949)	2:309:A:VAL:HG22	2:306:A:SER:HB2	15	0.12
(4,3948)	2:306:A:SER:HB2	2:308:A:ALA:H	17	0.12
(4,3913)	2:276:A:MET:HE2	2:304:A:PHE:HB3	3	0.12
(4,3879)	2:294:A:SER:H	2:293:A:ALA:HB3	3	0.12
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	8	0.12
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	18	0.12
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG23	9	0.12
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	6	0.12
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	8	0.12
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	18	0.12
(4,3831)	2:314:A:ASN:HD22	2:314:A:ASN:HB3	6	0.12
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	9	0.12
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	10	0.12
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	16	0.12
(4,3811)	2:291:A:THR:HG23	2:291:A:THR:HB	2	0.12
(4,3811)	2:291:A:THR:HG21	2:291:A:THR:HB	4	0.12
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	11	0.12
(4,3811)	2:291:A:THR:HG23	2:291:A:THR:HB	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	13	0.12
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	15	0.12
(4,3811)	2:291:A:THR:HG23	2:291:A:THR:HB	16	0.12
(4,3811)	2:291:A:THR:HG21	2:291:A:THR:HB	17	0.12
(4,3810)	2:291:A:THR:HG23	2:291:A:THR:HA	4	0.12
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	19	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	9	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	10	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	13	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	17	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	19	0.12
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	20	0.12
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	2	0.12
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG11	8	0.12
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG13	13	0.12
(4,3766)	2:259:A:VAL:HG12	2:259:A:VAL:HA	12	0.12
(4,3758)	2:259:A:VAL:HG22	2:259:A:VAL:H	7	0.12
(4,3744)	2:271:A:SER:HB2	2:271:A:SER:HA	2	0.12
(4,3741)	2:272:A:ALA:HB3	2:345:A:LEU:HD22	11	0.12
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	13	0.12
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	14	0.12
(4,3736)	2:273:A:ARG:HB2	2:273:A:ARG:HD3	18	0.12
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	13	0.12
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	20	0.12
(4,3696)	2:277:A:SER:HB2	2:277:A:SER:H	16	0.12
(4,3692)	2:277:A:SER:HB2	2:278:A:VAL:H	4	0.12
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	4	0.12
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	17	0.12
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	13	0.12
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	19	0.12
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	19	0.12
(4,3613)	2:326:A:ARG:HG2	2:327:A:ALA:H	12	0.12
(4,3609)	2:326:A:ARG:HB2	2:327:A:ALA:H	2	0.12
(4,3609)	2:326:A:ARG:HB2	2:327:A:ALA:H	5	0.12
(4,3609)	2:326:A:ARG:HB2	2:327:A:ALA:H	6	0.12
(4,3609)	2:326:A:ARG:HB2	2:327:A:ALA:H	14	0.12
(4,3608)	2:326:A:ARG:HB3	2:326:A:ARG:H	15	0.12
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	3	0.12
(4,3583)	2:331:A:SER:HB3	2:331:A:SER:H	12	0.12
(4,3578)	2:332:A:LEU:HD11	2:332:A:LEU:H	20	0.12
(4,3577)	2:332:A:LEU:H	2:332:A:LEU:HD22	9	0.12
(4,3560)	2:281:A:LEU:HD12	2:335:A:GLN:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3558)	2:335:A:GLN:HB2	2:335:A:GLN:HE21	15	0.12
(4,3555)	2:335:A:GLN:H	2:335:A:GLN:HB3	17	0.12
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	11	0.12
(4,3512)	2:252:A:GLY:H	2:251:A:THR:HB	6	0.12
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	6	0.12
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	7	0.12
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	18	0.12
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG12	17	0.12
(4,3475)	2:249:A:GLU:H	2:249:A:GLU:HB2	2	0.12
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	11	0.12
(4,3463)	2:302:A:LYS:HG3	2:302:A:LYS:H	17	0.12
(4,3452)	2:253:A:SER:HB2	2:254:A:LEU:H	10	0.12
(4,3448)	2:253:A:SER:HB2	2:253:A:SER:HA	3	0.12
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	20	0.12
(4,3435)	2:256:A:ASP:HB2	2:257:A:LEU:H	1	0.12
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	5	0.12
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	12	0.12
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	14	0.12
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	15	0.12
(4,3388)	2:346:A:SER:H	2:345:A:LEU:HB3	8	0.12
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	9	0.12
(4,3377)	2:337:A:ARG:HD3	2:338:A:ILE:H	1	0.12
(4,3360)	2:313:A:ARG:HA	2:312:A:VAL:HG23	14	0.12
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	12	0.12
(4,3336)	2:258:A:ILE:HD12	2:333:A:TYR:HB2	1	0.12
(4,3336)	2:258:A:ILE:HD13	2:333:A:TYR:HB2	5	0.12
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	3	0.12
(4,3331)	2:339:A:ILE:HD12	2:277:A:SER:HB3	9	0.12
(4,3311)	2:297:A:ARG:HD2	2:297:A:ARG:HB2	15	0.12
(4,3307)	2:297:A:ARG:HD2	2:297:A:ARG:HA	5	0.12
(4,3292)	1:9:B:GLY:HA3	2:263:A:SER:HB3	2	0.12
(4,3292)	1:9:B:GLY:HA3	2:263:A:SER:HB3	11	0.12
(4,3290)	2:272:A:ALA:HB3	2:304:A:PHE:HA	12	0.12
(4,3284)	2:284:A:MET:HA	2:284:A:MET:HE1	2	0.12
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	8	0.12
(4,3254)	2:313:A:ARG:HD3	2:290:A:ILE:HG23	6	0.12
(4,3254)	2:313:A:ARG:HD3	2:290:A:ILE:HG21	11	0.12
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	6	0.12
(4,3247)	1:6:B:ILE:HG21	2:259:A:VAL:HG11	5	0.12
(4,3247)	1:6:B:ILE:HG22	2:259:A:VAL:HG12	20	0.12
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	6	0.12
(4,3235)	2:249:A:GLU:HA	2:249:A:GLU:HB2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3204)	2:312:A:VAL:HA	2:311:A:ALA:HB3	5	0.12
(4,3186)	2:281:A:LEU:HD13	2:336:A:ARG:HA	10	0.12
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	17	0.12
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	20	0.12
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	1	0.12
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	9	0.12
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	13	0.12
(4,3181)	2:296:A:SER:HA	2:296:A:SER:HB3	20	0.12
(4,3168)	2:321:A:MET:HE3	2:321:A:MET:HG3	19	0.12
(4,3147)	1:6:B:ILE:HD13	2:259:A:VAL:HA	18	0.12
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG13	3	0.12
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG12	4	0.12
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG13	6	0.12
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG12	16	0.12
(4,3134)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	15	0.12
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	6	0.12
(4,3133)	2:276:A:MET:HA	2:276:A:MET:HG3	20	0.12
(4,3126)	2:341:A:LYS:HB3	2:277:A:SER:HB3	4	0.12
(4,3117)	2:280:A:VAL:HG12	2:295:A:VAL:HA	5	0.12
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	7	0.12
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	1	0.12
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	3	0.12
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	4	0.12
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	19	0.12
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	13	0.12
(4,3078)	2:326:A:ARG:HD2	2:326:A:ARG:HA	12	0.12
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	2	0.12
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD12	9	0.12
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	15	0.12
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	16	0.12
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	3	0.12
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	20	0.12
(4,3009)	2:328:A:THR:HG21	2:328:A:THR:HA	11	0.12
(4,3009)	2:328:A:THR:HG21	2:328:A:THR:HA	15	0.12
(4,3009)	2:328:A:THR:HG21	2:328:A:THR:HA	20	0.12
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	8	0.12
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	14	0.12
(4,3007)	2:328:A:THR:HG22	2:328:A:THR:HA	18	0.12
(4,3004)	2:345:A:LEU:HA	2:345:A:LEU:HD22	5	0.12
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	18	0.12
(4,3002)	2:255:A:ASP:HA	2:255:A:ASP:HB2	6	0.12
(4,3002)	2:255:A:ASP:HA	2:255:A:ASP:HB2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2929)	2:234:A:ASP:HA	2:234:A:ASP:HB2	8	0.12
(4,2929)	2:234:A:ASP:HA	2:234:A:ASP:HB2	10	0.12
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	3	0.12
(4,2883)	2:337:A:ARG:HD2	2:337:A:ARG:HA	7	0.12
(4,2858)	2:335:A:GLN:HB2	2:281:A:LEU:HD12	15	0.12
(4,2851)	2:334:A:ARG:HG2	2:330:A:ASP:HA	9	0.12
(4,2840)	2:334:A:ARG:HG3	2:334:A:ARG:HA	8	0.12
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	2	0.12
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	7	0.12
(4,2793)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	15	0.12
(4,2771)	2:229:A:ALA:H	2:229:A:ALA:HB3	5	0.12
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	3	0.12
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	16	0.12
(4,2730)	2:335:A:GLN:H	2:335:A:GLN:HB3	8	0.12
(4,2708)	2:323:A:GLN:H	2:323:A:GLN:HG3	15	0.12
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	17	0.12
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	3	0.12
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	2	0.12
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	9	0.12
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	11	0.12
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	13	0.12
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	17	0.12
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	20	0.12
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	11	0.12
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	14	0.12
(4,2633)	2:287:A:ASP:H	2:286:A:PRO:HD3	16	0.12
(4,2601)	2:266:A:TRP:HD1	2:266:A:TRP:H	17	0.12
(4,2581)	2:256:A:ASP:HB2	2:257:A:LEU:H	20	0.12
(4,2570)	2:242:A:LEU:H	2:241:A:ALA:HB1	4	0.12
(4,2569)	2:242:A:LEU:H	2:242:A:LEU:HB3	3	0.12
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	13	0.12
(4,2512)	2:244:A:ASP:HB3	2:245:A:GLU:H	20	0.12
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	3	0.12
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	3	0.12
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	1	0.12
(4,2421)	2:307:A:SER:H	2:303:A:PRO:HA	16	0.12
(4,2404)	2:249:A:GLU:H	2:250:A:VAL:HG22	9	0.12
(4,2395)	2:238:A:ARG:HB3	2:237:A:GLU:H	2	0.12
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	3	0.12
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	19	0.12
(4,2340)	2:319:A:PRO:HB2	2:321:A:MET:H	19	0.12
(4,2337)	2:321:A:MET:H	2:321:A:MET:HG2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	9	0.12
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	17	0.12
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	11	0.12
(4,2176)	2:276:A:MET:HB3	2:276:A:MET:H	17	0.12
(4,2167)	2:315:A:VAL:H	2:312:A:VAL:HA	6	0.12
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	4	0.12
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG22	19	0.12
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	1	0.12
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	2	0.12
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	3	0.12
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	4	0.12
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	7	0.12
(4,2013)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	3	0.12
(4,2013)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	5	0.12
(4,1996)	2:259:A:VAL:HG21	2:338:A:ILE:HG22	18	0.12
(4,1984)	2:318:A:ILE:H	2:318:A:ILE:HG12	6	0.12
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG21	3	0.12
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG23	9	0.12
(4,1960)	2:328:A:THR:HG22	2:324:A:LEU:HD12	5	0.12
(4,1959)	2:338:A:ILE:HD12	2:338:A:ILE:HG21	4	0.12
(4,1959)	2:338:A:ILE:HD13	2:338:A:ILE:HG22	5	0.12
(4,1850)	2:345:A:LEU:HA	2:346:A:SER:H	2	0.12
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	5	0.12
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	7	0.12
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	16	0.12
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	19	0.12
(4,1819)	2:322:A:GLN:H	2:321:A:MET:HB3	7	0.12
(4,1795)	2:311:A:ALA:H	2:308:A:ALA:HB3	10	0.12
(4,1795)	2:311:A:ALA:H	2:308:A:ALA:HB3	12	0.12
(4,1783)	2:301:A:ASP:H	2:304:A:PHE:HD1	7	0.12
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	2	0.12
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	6	0.12
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	17	0.12
(4,1698)	2:263:A:SER:H	2:262:A:VAL:HB	14	0.12
(4,1698)	2:263:A:SER:H	2:262:A:VAL:HB	18	0.12
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	7	0.12
(4,1656)	2:305:A:ASP:H	2:276:A:MET:HE3	7	0.12
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	1	0.12
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	8	0.12
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	11	0.12
(4,1612)	2:262:A:VAL:H	2:265:A:GLN:H	12	0.12
(4,1609)	2:315:A:VAL:HG11	2:262:A:VAL:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1593)	2:307:A:SER:H	2:303:A:PRO:HA	18	0.12
(4,1569)	2:236:A:THR:H	2:237:A:GLU:H	1	0.12
(4,1569)	2:236:A:THR:H	2:237:A:GLU:H	2	0.12
(4,1568)	2:241:A:ALA:HB3	2:241:A:ALA:H	13	0.12
(4,1464)	2:252:A:GLY:H	2:251:A:THR:HG21	6	0.12
(4,1458)	2:277:A:SER:HB2	2:277:A:SER:H	3	0.12
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	5	0.12
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	13	0.12
(4,1420)	2:334:A:ARG:H	2:333:A:TYR:HB3	19	0.12
(4,1418)	2:332:A:LEU:HA	2:334:A:ARG:H	2	0.12
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	5	0.12
(4,1407)	2:276:A:MET:HB3	2:276:A:MET:H	9	0.12
(4,1407)	2:276:A:MET:HB3	2:276:A:MET:H	10	0.12
(4,1407)	2:276:A:MET:HB3	2:276:A:MET:H	17	0.12
(4,1378)	2:337:A:ARG:HG3	2:337:A:ARG:H	13	0.12
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	8	0.12
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	11	0.12
(4,1294)	1:9:B:GLY:H	1:12:B:ARG:HE	8	0.12
(4,1276)	1:12:B:ARG:HD3	1:12:B:ARG:H	16	0.12
(4,1271)	1:11:B:ASP:HB2	1:11:B:ASP:H	3	0.12
(4,1270)	1:10:B:ASN:HB2	1:10:B:ASN:H	5	0.12
(4,1266)	1:11:B:ASP:HB2	1:12:B:ARG:H	11	0.12
(4,1255)	1:12:B:ARG:HG3	1:12:B:ARG:H	13	0.12
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	5	0.12
(4,1253)	1:13:B:ALA:H	1:13:B:ALA:HB1	11	0.12
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG13	4	0.12
(4,1232)	2:315:A:VAL:HG11	2:261:A:LEU:HB2	12	0.12
(4,1223)	2:276:A:MET:HE3	2:301:A:ASP:HB2	6	0.12
(4,1223)	2:276:A:MET:HE2	2:301:A:ASP:HB2	14	0.12
(4,1219)	2:276:A:MET:HE2	2:273:A:ARG:H	13	0.12
(4,1208)	2:244:A:ASP:HA	2:244:A:ASP:HB3	9	0.12
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	9	0.12
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	11	0.12
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	19	0.12
(4,1178)	2:338:A:ILE:H	2:338:A:ILE:HG12	9	0.12
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	4	0.12
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	9	0.12
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	12	0.12
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	19	0.12
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	4	0.12
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	6	0.12
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	13	0.12
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	17	0.12
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	20	0.12
(4,1115)	2:321:A:MET:H	2:318:A:ILE:HG23	11	0.12
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	12	0.12
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	18	0.12
(4,1092)	2:284:A:MET:HE1	2:318:A:ILE:HG12	14	0.12
(4,1087)	2:299:A:SER:HG	2:278:A:VAL:HG11	14	0.12
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG11	5	0.12
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG13	18	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	4	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	5	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	7	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	10	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	11	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	15	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	18	0.12
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	20	0.12
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	2	0.12
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	7	0.12
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	10	0.12
(4,1078)	2:258:A:ILE:H	2:258:A:ILE:HG12	11	0.12
(4,1065)	2:268:A:ARG:HG3	2:269:A:PRO:HD3	5	0.12
(4,1064)	2:268:A:ARG:HG3	2:268:A:ARG:HA	7	0.12
(4,1059)	2:282:A:ILE:HG22	2:336:A:ARG:H	12	0.12
(4,1044)	2:329:A:PHE:HA	2:333:A:TYR:HB3	16	0.12
(4,1038)	2:317:A:ARG:H	2:317:A:ARG:HD2	18	0.12
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	13	0.12
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	4	0.12
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	11	0.12
(4,1007)	2:260:A:ASN:HD21	2:261:A:LEU:HD21	16	0.12
(4,1002)	2:255:A:ASP:HA	2:258:A:ILE:HG23	3	0.12
(4,976)	2:339:A:ILE:HG23	2:277:A:SER:HB3	14	0.12
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	4	0.12
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	5	0.12
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	11	0.12
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	7	0.12
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	15	0.12
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	20	0.12
(4,905)	2:265:A:GLN:HA	2:311:A:ALA:HA	15	0.12
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	18	0.12
(4,884)	2:277:A:SER:H	2:276:A:MET:HE2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,884)	2:277:A:SER:H	2:276:A:MET:HE2	19	0.12
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	10	0.12
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG23	7	0.12
(4,863)	2:295:A:VAL:H	2:295:A:VAL:HG21	17	0.12
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	2	0.12
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	4	0.12
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	6	0.12
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	15	0.12
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	12	0.12
(4,839)	2:320:A:GLU:HA	2:320:A:GLU:HB2	14	0.12
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG21	13	0.12
(4,819)	2:316:A:GLY:HA3	2:316:A:GLY:H	19	0.12
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	10	0.12
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	11	0.12
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	14	0.12
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	15	0.12
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	20	0.12
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	6	0.12
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	8	0.12
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	12	0.12
(4,795)	2:291:A:THR:HG23	2:291:A:THR:HA	14	0.12
(4,788)	2:261:A:LEU:H	2:261:A:LEU:HB3	20	0.12
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	5	0.12
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	7	0.12
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	16	0.12
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG11	18	0.12
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG13	19	0.12
(4,755)	2:259:A:VAL:HG23	2:259:A:VAL:H	16	0.12
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	2	0.12
(4,751)	2:270:A:PRO:HG2	2:269:A:PRO:HA	6	0.12
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	19	0.12
(4,740)	2:272:A:ALA:HB2	2:345:A:LEU:HD22	14	0.12
(4,740)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	19	0.12
(4,738)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	4	0.12
(4,738)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	5	0.12
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	3	0.12
(4,676)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	14	0.12
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	5	0.12
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	9	0.12
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	15	0.12
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	4	0.12
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	19	0.12
(4,640)	2:327:A:ALA:HB2	2:328:A:THR:H	1	0.12
(4,640)	2:327:A:ALA:HB3	2:328:A:THR:H	19	0.12
(4,639)	2:327:A:ALA:HB2	2:327:A:ALA:H	12	0.12
(4,556)	2:254:A:LEU:H	2:254:A:LEU:HB3	2	0.12
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG21	19	0.12
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	6	0.12
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	15	0.12
(4,526)	2:253:A:SER:H	2:253:A:SER:HB3	2	0.12
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	15	0.12
(4,515)	2:256:A:ASP:H	2:256:A:ASP:HB3	14	0.12
(4,505)	2:245:A:GLU:H	2:245:A:GLU:HG3	11	0.12
(4,501)	2:345:A:LEU:H	2:345:A:LEU:HD12	12	0.12
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	6	0.12
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	9	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	6	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	7	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	9	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	12	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	18	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	19	0.12
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	20	0.12
(4,485)	2:285:A:LEU:H	2:284:A:MET:HB2	17	0.12
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	18	0.12
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	3	0.12
(4,473)	2:337:A:ARG:HG2	2:338:A:ILE:H	12	0.12
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG13	6	0.12
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG11	14	0.12
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG11	16	0.12
(4,428)	2:295:A:VAL:HB	2:295:A:VAL:HG12	18	0.12
(4,427)	2:297:A:ARG:HA	2:295:A:VAL:HG11	19	0.12
(4,405)	2:250:A:VAL:HB	2:251:A:THR:HA	2	0.12
(4,405)	2:250:A:VAL:HB	2:251:A:THR:HA	6	0.12
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	9	0.12
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	14	0.12
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG23	11	0.12
(4,378)	2:250:A:VAL:HB	2:251:A:THR:HG22	15	0.12
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	8	0.12
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	13	0.12
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	8	0.12
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	14	0.12
(4,337)	2:295:A:VAL:HG23	2:305:A:ASP:HB2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,330)	2:321:A:MET:HG3	2:288:A:GLY:HA2	18	0.12
(4,328)	2:321:A:MET:HE3	2:321:A:MET:HG3	6	0.12
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG12	18	0.12
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	18	0.12
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	10	0.12
(4,298)	2:341:A:LYS:HB3	2:277:A:SER:HB2	13	0.12
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG21	2	0.12
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG21	10	0.12
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	2	0.12
(4,271)	2:319:A:PRO:HD3	2:319:A:PRO:HB3	4	0.12
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	1	0.12
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	14	0.12
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD13	18	0.12
(4,238)	2:281:A:LEU:HD11	2:337:A:ARG:HA	5	0.12
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	4	0.12
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	10	0.12
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	17	0.12
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	19	0.12
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	20	0.12
(4,211)	2:285:A:LEU:HD23	2:286:A:PRO:HD3	17	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	1	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	2	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	6	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	7	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	9	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	11	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	14	0.12
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	18	0.12
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	1	0.12
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	2	0.12
(4,191)	2:328:A:THR:HG23	2:328:A:THR:HA	3	0.12
(4,191)	2:328:A:THR:HG23	2:328:A:THR:HA	6	0.12
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	12	0.12
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	1	0.12
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	7	0.12
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	15	0.12
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	18	0.12
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	19	0.12
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG12	13	0.12
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	18	0.12
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	6	0.12
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,177)	2:238:A:ARG:HD3	2:238:A:ARG:HB3	15	0.12
(4,128)	2:234:A:ASP:HA	2:234:A:ASP:HB2	1	0.12
(4,121)	2:347:A:LEU:HB3	2:346:A:SER:HB3	11	0.12
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	8	0.12
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	19	0.12
(4,45)	2:334:A:ARG:HG3	2:334:A:ARG:HA	2	0.12
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	1	0.12
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	3	0.12
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	8	0.12
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	11	0.12
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	15	0.12
(3,598)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	19	0.12
(3,585)	2:341:A:LYS:HD2	2:277:A:SER:HB2	6	0.12
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	2	0.12
(3,562)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	1	0.12
(3,538)	2:297:A:ARG:HG2	2:297:A:ARG:HA	2	0.12
(3,538)	2:297:A:ARG:HG3	2:297:A:ARG:HA	4	0.12
(3,538)	2:297:A:ARG:HG2	2:297:A:ARG:HA	6	0.12
(3,538)	2:297:A:ARG:HG2	2:297:A:ARG:HA	11	0.12
(3,535)	1:3:B:PRO:HG3	2:337:A:ARG:HD2	14	0.12
(3,530)	2:240:A:GLN:HG2	2:240:A:GLN:HA	1	0.12
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	5	0.12
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	13	0.12
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	16	0.12
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG22	3	0.12
(3,516)	2:238:A:ARG:HG3	2:238:A:ARG:HA	15	0.12
(3,516)	2:238:A:ARG:HA	2:238:A:ARG:HG2	17	0.12
(3,514)	2:286:A:PRO:HD3	2:286:A:PRO:HA	15	0.12
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	11	0.12
(3,492)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	18	0.12
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	7	0.12
(3,486)	2:263:A:SER:H	2:264:A:GLN:HB2	12	0.12
(3,482)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	7	0.12
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG23	5	0.12
(3,410)	2:287:A:ASP:HB3	2:287:A:ASP:HA	5	0.12
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	5	0.12
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	10	0.12
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	11	0.12
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	14	0.12
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	16	0.12
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	1	0.12
(3,355)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,352)	2:228:A:LEU:HA	2:228:A:LEU:H	1	0.12
(3,343)	2:237:A:GLU:HA	2:237:A:GLU:H	3	0.12
(3,328)	2:280:A:VAL:HG11	2:281:A:LEU:H	10	0.12
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD11	5	0.12
(3,324)	2:338:A:ILE:H	2:282:A:ILE:HD12	8	0.12
(3,306)	2:323:A:GLN:H	2:323:A:GLN:HB2	16	0.12
(3,290)	2:240:A:GLN:HB3	2:241:A:ALA:H	14	0.12
(3,290)	2:240:A:GLN:HB3	2:241:A:ALA:H	17	0.12
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	9	0.12
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	14	0.12
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	19	0.12
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	4	0.12
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	10	0.12
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD21	11	0.12
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD23	16	0.12
(3,261)	2:323:A:GLN:H	2:324:A:LEU:HG	8	0.12
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	6	0.12
(3,252)	2:270:A:PRO:HG2	2:271:A:SER:H	8	0.12
(3,243)	2:238:A:ARG:HB2	2:239:A:GLN:H	19	0.12
(3,215)	2:248:A:SER:HB3	2:249:A:GLU:H	8	0.12
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG11	10	0.12
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	7	0.12
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	9	0.12
(3,118)	2:264:A:GLN:HG3	2:260:A:ASN:HD22	15	0.12
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	11	0.12
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	13	0.12
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	2	0.12
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	7	0.12
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	9	0.12
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	15	0.12
(3,109)	2:265:A:GLN:HG3	2:311:A:ALA:HA	9	0.12
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	5	0.12
(3,83)	2:270:A:PRO:HG3	2:270:A:PRO:HA	11	0.12
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	5	0.12
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	12	0.12
(3,72)	2:343:A:GLU:HG2	2:343:A:GLU:H	5	0.12
(3,71)	2:345:A:LEU:HD23	2:276:A:MET:H	16	0.12
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	2	0.12
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	4	0.12
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	8	0.12
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	9	0.12
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	16	0.12
(3,42)	2:240:A:GLN:HG2	2:240:A:GLN:HA	11	0.12
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD22	9	0.12
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD11	10	0.12
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD13	12	0.12
(3,41)	2:242:A:LEU:HG	2:242:A:LEU:HD13	16	0.12
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG23	9	0.12
(3,37)	2:303:A:PRO:HD3	2:302:A:LYS:HB2	7	0.12
(3,37)	2:303:A:PRO:HD3	2:302:A:LYS:HB2	17	0.12
(3,28)	2:238:A:ARG:HA	2:238:A:ARG:HG2	19	0.12
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	2	0.12
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	12	0.12
(3,18)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	2	0.12
(3,16)	2:248:A:SER:HB3	2:248:A:SER:HA	20	0.12
(3,13)	2:237:A:GLU:HG2	2:237:A:GLU:HA	19	0.12
(4,4426)	1:10:B:ASN:HD22	1:10:B:ASN:HB3	5	0.11
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	3	0.11
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	4	0.11
(4,4400)	1:6:B:ILE:HG13	2:266:A:TRP:HZ3	5	0.11
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	16	0.11
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	4	0.11
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	12	0.11
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD22	16	0.11
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	20	0.11
(4,4353)	2:276:A:MET:HE2	2:301:A:ASP:HB2	4	0.11
(4,4353)	2:276:A:MET:HE3	2:301:A:ASP:HB2	8	0.11
(4,4353)	2:276:A:MET:HE3	2:301:A:ASP:HB2	12	0.11
(4,4349)	2:276:A:MET:HE1	2:273:A:ARG:H	18	0.11
(4,4347)	2:276:A:MET:HE3	2:301:A:ASP:HB3	18	0.11
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	2	0.11
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	5	0.11
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	14	0.11
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	17	0.11
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG22	5	0.11
(4,4285)	2:338:A:ILE:H	2:338:A:ILE:HG12	15	0.11
(4,4279)	2:301:A:ASP:HB3	2:304:A:PHE:HB3	1	0.11
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	17	0.11
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	5	0.11
(4,4240)	2:344:A:ASP:H	2:343:A:GLU:HB2	14	0.11
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	5	0.11
(4,4239)	2:343:A:GLU:HB3	2:343:A:GLU:H	6	0.11
(4,4213)	2:315:A:VAL:HG12	2:316:A:GLY:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4212)	2:315:A:VAL:HG13	2:315:A:VAL:HA	16	0.11
(4,4168)	2:279:A:GLU:H	2:278:A:VAL:HG13	3	0.11
(4,4144)	2:268:A:ARG:HG2	2:269:A:PRO:HD3	20	0.11
(4,4140)	2:272:A:ALA:HB1	2:345:A:LEU:HD12	6	0.11
(4,4137)	2:347:A:LEU:HD13	2:347:A:LEU:HA	11	0.11
(4,4131)	2:322:A:GLN:HG3	2:287:A:ASP:HA	10	0.11
(4,4099)	2:272:A:ALA:HA	2:304:A:PHE:HD2	6	0.11
(4,4078)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	9	0.11
(4,4064)	1:6:B:ILE:HG22	2:259:A:VAL:HG13	9	0.11
(4,4064)	1:6:B:ILE:HG21	2:259:A:VAL:HG13	10	0.11
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	11	0.11
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	15	0.11
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	17	0.11
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	20	0.11
(4,4036)	2:323:A:GLN:HB2	2:323:A:GLN:HG2	19	0.11
(4,4035)	2:321:A:MET:HB3	2:288:A:GLY:HA3	12	0.11
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	1	0.11
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	11	0.11
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	12	0.11
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	17	0.11
(4,4024)	2:269:A:PRO:HD2	2:345:A:LEU:HD23	17	0.11
(4,4021)	2:272:A:ALA:HB1	2:273:A:ARG:HA	4	0.11
(4,4009)	2:335:A:GLN:HE21	2:334:A:ARG:HD3	8	0.11
(4,4009)	2:335:A:GLN:HE21	2:334:A:ARG:HD3	19	0.11
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	7	0.11
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	10	0.11
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	11	0.11
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	13	0.11
(4,3954)	2:309:A:VAL:HG22	2:309:A:VAL:HA	16	0.11
(4,3913)	2:276:A:MET:HE2	2:304:A:PHE:HB3	2	0.11
(4,3913)	2:276:A:MET:HE3	2:304:A:PHE:HB3	9	0.11
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE2	12	0.11
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE2	20	0.11
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	13	0.11
(4,3852)	2:321:A:MET:HE1	2:321:A:MET:H	5	0.11
(4,3845)	2:292:A:ASN:H	2:290:A:ILE:HG22	15	0.11
(4,3843)	2:291:A:THR:H	2:290:A:ILE:HG22	20	0.11
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	6	0.11
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	11	0.11
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	14	0.11
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	16	0.11
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3832)	2:289:A:THR:HA	2:290:A:ILE:HB	13	0.11
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	11	0.11
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	3	0.11
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	5	0.11
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	6	0.11
(4,3811)	2:291:A:THR:HG21	2:291:A:THR:HB	7	0.11
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	9	0.11
(4,3811)	2:291:A:THR:HG21	2:291:A:THR:HB	18	0.11
(4,3811)	2:291:A:THR:HG23	2:291:A:THR:HB	20	0.11
(4,3810)	2:291:A:THR:HG22	2:291:A:THR:HA	20	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD23	5	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD22	9	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD22	13	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD22	17	0.11
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD21	18	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	1	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	2	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	3	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	6	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	7	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	8	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	11	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	12	0.11
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	18	0.11
(4,3771)	1:6:B:ILE:HD13	2:259:A:VAL:HA	18	0.11
(4,3769)	2:260:A:ASN:HA	2:259:A:VAL:HG12	5	0.11
(4,3766)	2:259:A:VAL:HG11	2:259:A:VAL:HA	1	0.11
(4,3766)	2:259:A:VAL:HG13	2:259:A:VAL:HA	2	0.11
(4,3766)	2:259:A:VAL:HG13	2:259:A:VAL:HA	9	0.11
(4,3766)	2:259:A:VAL:HG12	2:259:A:VAL:HA	13	0.11
(4,3766)	2:259:A:VAL:HG13	2:259:A:VAL:HA	14	0.11
(4,3766)	2:259:A:VAL:HG11	2:259:A:VAL:HA	15	0.11
(4,3766)	2:259:A:VAL:HG12	2:259:A:VAL:HA	20	0.11
(4,3741)	2:272:A:ALA:HB1	2:345:A:LEU:HD23	12	0.11
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	1	0.11
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	5	0.11
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	12	0.11
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	2	0.11
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	6	0.11
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	9	0.11
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	10	0.11
(4,3663)	2:292:A:ASN:HB2	2:283:A:GLU:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3652)	2:283:A:GLU:HG2	2:335:A:GLN:HE21	2	0.11
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	12	0.11
(4,3650)	2:284:A:MET:H	2:283:A:GLU:HG3	20	0.11
(4,3613)	2:326:A:ARG:HG2	2:327:A:ALA:H	10	0.11
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	5	0.11
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	17	0.11
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	20	0.11
(4,3578)	2:332:A:LEU:HD11	2:332:A:LEU:H	13	0.11
(4,3555)	2:335:A:GLN:H	2:335:A:GLN:HB3	1	0.11
(4,3555)	2:335:A:GLN:H	2:335:A:GLN:HB3	3	0.11
(4,3555)	2:335:A:GLN:H	2:335:A:GLN:HB3	9	0.11
(4,3555)	2:335:A:GLN:H	2:335:A:GLN:HB3	18	0.11
(4,3528)	2:347:A:LEU:HB2	2:273:A:ARG:HD3	8	0.11
(4,3528)	2:347:A:LEU:HB2	2:273:A:ARG:HD3	11	0.11
(4,3528)	2:347:A:LEU:HB2	2:273:A:ARG:HD3	14	0.11
(4,3499)	2:257:A:LEU:HB3	2:254:A:LEU:HA	12	0.11
(4,3493)	2:256:A:ASP:H	2:255:A:ASP:HB2	5	0.11
(4,3489)	2:254:A:LEU:H	2:254:A:LEU:HB3	10	0.11
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	4	0.11
(4,3485)	2:249:A:GLU:HG3	2:250:A:VAL:HG22	15	0.11
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG11	8	0.11
(4,3471)	2:249:A:GLU:HA	2:250:A:VAL:H	4	0.11
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	1	0.11
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	4	0.11
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD21	8	0.11
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD21	11	0.11
(4,3413)	2:283:A:GLU:HB3	2:283:A:GLU:H	6	0.11
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	4	0.11
(4,3402)	2:284:A:MET:HB3	2:284:A:MET:H	2	0.11
(4,3388)	2:346:A:SER:H	2:345:A:LEU:HB3	14	0.11
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	5	0.11
(4,3378)	2:337:A:ARG:HG2	2:338:A:ILE:H	18	0.11
(4,3360)	2:313:A:ARG:HA	2:312:A:VAL:HG23	6	0.11
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	3	0.11
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	4	0.11
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	10	0.11
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	18	0.11
(4,3351)	2:343:A:GLU:HG2	1:7:B:SER:HB2	19	0.11
(4,3350)	2:343:A:GLU:HG2	1:7:B:SER:HB3	7	0.11
(4,3331)	2:339:A:ILE:HD13	2:277:A:SER:HB3	6	0.11
(4,3325)	2:345:A:LEU:HD22	2:342:A:PRO:HG2	15	0.11
(4,3324)	2:272:A:ALA:HB3	2:345:A:LEU:HD23	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3315)	2:297:A:ARG:HA	2:295:A:VAL:HG13	15	0.11
(4,3311)	2:297:A:ARG:HD2	2:297:A:ARG:HB2	10	0.11
(4,3285)	2:284:A:MET:HE1	2:321:A:MET:HG2	3	0.11
(4,3285)	2:284:A:MET:HE2	2:321:A:MET:HG2	20	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	2	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	9	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	12	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	14	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	15	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	17	0.11
(4,3283)	2:294:A:SER:HB2	2:296:A:SER:HA	18	0.11
(4,3270)	2:250:A:VAL:HB	2:251:A:THR:HA	4	0.11
(4,3264)	2:321:A:MET:HB3	2:288:A:GLY:HA3	12	0.11
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	10	0.11
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD11	2	0.11
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	10	0.11
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD12	11	0.11
(4,3242)	2:258:A:ILE:HA	2:258:A:ILE:HD13	16	0.11
(4,3221)	2:265:A:GLN:HG3	2:265:A:GLN:HA	8	0.11
(4,3215)	2:312:A:VAL:HG12	2:308:A:ALA:HB3	13	0.11
(4,3196)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	6	0.11
(4,3196)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	7	0.11
(4,3196)	2:304:A:PHE:HB2	2:301:A:ASP:HB2	8	0.11
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE3	16	0.11
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	1	0.11
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	14	0.11
(4,3183)	2:296:A:SER:HB2	2:296:A:SER:HA	15	0.11
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	8	0.11
(4,3180)	2:298:A:SER:HA	2:278:A:VAL:HG11	20	0.11
(4,3171)	2:321:A:MET:HG3	2:288:A:GLY:HA2	18	0.11
(4,3168)	2:321:A:MET:HE2	2:321:A:MET:HG3	2	0.11
(4,3168)	2:321:A:MET:HE3	2:321:A:MET:HG3	18	0.11
(4,3156)	2:289:A:THR:HG21	2:317:A:ARG:HD2	19	0.11
(4,3155)	2:289:A:THR:HG22	2:317:A:ARG:HA	1	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG13	5	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG13	11	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG11	13	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG11	19	0.11
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG11	20	0.11
(4,3143)	2:259:A:VAL:HG12	2:259:A:VAL:HA	19	0.11
(4,3117)	2:280:A:VAL:HG13	2:295:A:VAL:HA	2	0.11
(4,3117)	2:280:A:VAL:HG12	2:295:A:VAL:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	11	0.11
(4,3110)	2:282:A:ILE:HA	2:282:A:ILE:HG23	14	0.11
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	9	0.11
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	11	0.11
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	12	0.11
(4,3094)	2:319:A:PRO:HB2	2:319:A:PRO:HA	20	0.11
(4,3078)	2:326:A:ARG:HD2	2:326:A:ARG:HA	1	0.11
(4,3078)	2:326:A:ARG:HD2	2:326:A:ARG:HA	15	0.11
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD11	6	0.11
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	17	0.11
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD13	19	0.11
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	6	0.11
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	7	0.11
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	18	0.11
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	10	0.11
(4,3018)	2:286:A:PRO:HG2	2:286:A:PRO:HA	19	0.11
(4,3009)	2:328:A:THR:HG21	2:328:A:THR:HA	1	0.11
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	2	0.11
(4,3009)	2:328:A:THR:HG23	2:328:A:THR:HA	6	0.11
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	10	0.11
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	17	0.11
(4,3007)	2:328:A:THR:HG23	2:328:A:THR:HA	4	0.11
(4,3007)	2:328:A:THR:HG21	2:328:A:THR:HA	13	0.11
(4,3006)	2:329:A:PHE:HB2	2:326:A:ARG:HA	9	0.11
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	5	0.11
(4,3003)	2:347:A:LEU:HB3	2:273:A:ARG:HD2	9	0.11
(4,3002)	2:255:A:ASP:HA	2:255:A:ASP:HB2	17	0.11
(4,2929)	2:234:A:ASP:HA	2:234:A:ASP:HB2	4	0.11
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	6	0.11
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	13	0.11
(4,2919)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	17	0.11
(4,2918)	2:341:A:LYS:HE2	2:275:A:GLY:HA3	9	0.11
(4,2876)	2:281:A:LEU:HB3	2:281:A:LEU:HD23	7	0.11
(4,2864)	2:336:A:ARG:HG2	2:336:A:ARG:HA	11	0.11
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	19	0.11
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	8	0.11
(4,2720)	2:331:A:SER:H	2:330:A:ASP:HB2	14	0.11
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	4	0.11
(4,2704)	2:323:A:GLN:H	2:324:A:LEU:HA	9	0.11
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB3	18	0.11
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	4	0.11
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	1	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	5	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	6	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	7	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	10	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	14	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	18	0.11
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	19	0.11
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	7	0.11
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	8	0.11
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	10	0.11
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	6	0.11
(4,2623)	2:282:A:ILE:HG13	2:283:A:GLU:H	10	0.11
(4,2606)	2:272:A:ALA:HB1	2:271:A:SER:H	11	0.11
(4,2606)	2:272:A:ALA:HB1	2:271:A:SER:H	16	0.11
(4,2590)	2:256:A:ASP:H	2:257:A:LEU:HB2	3	0.11
(4,2587)	2:256:A:ASP:H	2:255:A:ASP:HB3	5	0.11
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	2	0.11
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	10	0.11
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	16	0.11
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	16	0.11
(4,2553)	2:263:A:SER:HB2	2:263:A:SER:H	17	0.11
(4,2523)	2:235:A:THR:HG22	2:235:A:THR:H	12	0.11
(4,2510)	2:244:A:ASP:HA	2:245:A:GLU:H	6	0.11
(4,2510)	2:244:A:ASP:HA	2:245:A:GLU:H	10	0.11
(4,2503)	2:305:A:ASP:H	2:276:A:MET:HE3	15	0.11
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	1	0.11
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	6	0.11
(4,2492)	2:341:A:LYS:H	2:341:A:LYS:HG3	17	0.11
(4,2450)	2:262:A:VAL:H	2:265:A:GLN:H	7	0.11
(4,2445)	2:315:A:VAL:HG13	2:262:A:VAL:H	11	0.11
(4,2443)	2:343:A:GLU:HB2	2:343:A:GLU:H	13	0.11
(4,2443)	2:343:A:GLU:HB2	2:343:A:GLU:H	17	0.11
(4,2439)	1:7:B:SER:HA	2:343:A:GLU:H	17	0.11
(4,2394)	2:237:A:GLU:HB3	2:237:A:GLU:H	10	0.11
(4,2392)	2:241:A:ALA:HB2	2:241:A:ALA:H	11	0.11
(4,2373)	2:254:A:LEU:H	2:254:A:LEU:HB3	6	0.11
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	4	0.11
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	7	0.11
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	9	0.11
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	15	0.11
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2314)	2:282:A:ILE:HG13	2:282:A:ILE:H	2	0.11
(4,2218)	2:333:A:TYR:H	2:331:A:SER:H	17	0.11
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	10	0.11
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	10	0.11
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	5	0.11
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	10	0.11
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	12	0.11
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	14	0.11
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	20	0.11
(4,2090)	2:293:A:ALA:HA	2:281:A:LEU:H	3	0.11
(4,2090)	2:293:A:ALA:HA	2:281:A:LEU:H	13	0.11
(4,1985)	2:253:A:SER:HA	2:253:A:SER:HB3	3	0.11
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG22	1	0.11
(4,1976)	2:336:A:ARG:HB3	2:284:A:MET:HE3	18	0.11
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB2	9	0.11
(4,1970)	2:255:A:ASP:HA	2:258:A:ILE:HD12	12	0.11
(4,1962)	2:332:A:LEU:HD12	2:251:A:THR:HG21	11	0.11
(4,1959)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	3	0.11
(4,1951)	2:250:A:VAL:HB	2:250:A:VAL:HG11	6	0.11
(4,1951)	2:250:A:VAL:HB	2:250:A:VAL:HG11	15	0.11
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	8	0.11
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	18	0.11
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	20	0.11
(4,1911)	2:327:A:ALA:HB1	2:328:A:THR:H	9	0.11
(4,1911)	2:327:A:ALA:HB1	2:328:A:THR:H	13	0.11
(4,1911)	2:327:A:ALA:HB1	2:328:A:THR:H	20	0.11
(4,1877)	2:229:A:ALA:H	2:229:A:ALA:HB3	5	0.11
(4,1844)	2:335:A:GLN:H	2:335:A:GLN:HB3	8	0.11
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	14	0.11
(4,1822)	2:323:A:GLN:H	2:323:A:GLN:HG3	15	0.11
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	17	0.11
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	11	0.11
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	14	0.11
(4,1762)	2:287:A:ASP:H	2:286:A:PRO:HD3	16	0.11
(4,1743)	2:272:A:ALA:HB1	2:271:A:SER:H	10	0.11
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	15	0.11
(4,1736)	2:266:A:TRP:HD1	2:266:A:TRP:H	17	0.11
(4,1730)	2:265:A:GLN:HB3	2:266:A:TRP:H	15	0.11
(4,1707)	2:242:A:LEU:H	2:241:A:ALA:HB1	4	0.11
(4,1706)	2:242:A:LEU:H	2:242:A:LEU:HB3	3	0.11
(4,1698)	2:263:A:SER:H	2:262:A:VAL:HB	13	0.11
(4,1669)	2:336:A:ARG:HD3	2:336:A:ARG:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1664)	2:244:A:ASP:HB3	2:245:A:GLU:H	20	0.11
(4,1663)	2:244:A:ASP:HA	2:245:A:GLU:H	6	0.11
(4,1647)	2:341:A:LYS:H	2:339:A:ILE:HG23	1	0.11
(4,1646)	2:341:A:LYS:H	2:341:A:LYS:HG3	3	0.11
(4,1627)	2:344:A:ASP:HB2	2:345:A:LEU:H	3	0.11
(4,1593)	2:307:A:SER:H	2:303:A:PRO:HA	16	0.11
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	19	0.11
(4,1494)	2:247:A:GLY:H	2:248:A:SER:H	8	0.11
(4,1488)	2:275:A:GLY:H	2:276:A:MET:H	19	0.11
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	17	0.11
(4,1421)	2:334:A:ARG:HG3	2:334:A:ARG:H	15	0.11
(4,1415)	2:324:A:LEU:H	2:323:A:GLN:HG2	11	0.11
(4,1399)	2:315:A:VAL:H	2:312:A:VAL:HA	6	0.11
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	1	0.11
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	2	0.11
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	3	0.11
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	4	0.11
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	7	0.11
(4,1294)	1:9:B:GLY:H	1:12:B:ARG:HE	5	0.11
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	12	0.11
(4,1254)	1:12:B:ARG:HB2	1:12:B:ARG:H	15	0.11
(4,1245)	1:6:B:ILE:H	1:5:B:VAL:HG12	17	0.11
(4,1223)	2:276:A:MET:HE1	2:301:A:ASP:HB2	5	0.11
(4,1215)	2:341:A:LYS:HE2	2:341:A:LYS:HG3	7	0.11
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	2	0.11
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	4	0.11
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	13	0.11
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	17	0.11
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	14	0.11
(4,1191)	2:332:A:LEU:HG	2:332:A:LEU:HA	9	0.11
(4,1178)	2:338:A:ILE:H	2:338:A:ILE:HG12	8	0.11
(4,1178)	2:338:A:ILE:H	2:338:A:ILE:HG12	12	0.11
(4,1173)	2:301:A:ASP:HB3	2:304:A:PHE:HB3	1	0.11
(4,1166)	2:322:A:GLN:HG2	2:322:A:GLN:H	18	0.11
(4,1154)	2:338:A:ILE:HD12	2:308:A:ALA:HB2	10	0.11
(4,1154)	2:338:A:ILE:HD11	2:308:A:ALA:HB3	15	0.11
(4,1153)	2:338:A:ILE:HD13	2:338:A:ILE:HG21	20	0.11
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	2	0.11
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	4	0.11
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	10	0.11
(4,1144)	2:343:A:GLU:HB3	2:343:A:GLU:H	18	0.11
(4,1138)	2:345:A:LEU:HD21	2:342:A:PRO:HG2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	2	0.11
(4,1135)	2:323:A:GLN:HG3	2:323:A:GLN:HA	11	0.11
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	19	0.11
(4,1122)	2:315:A:VAL:HG13	2:315:A:VAL:HA	6	0.11
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	15	0.11
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	17	0.11
(4,1105)	2:267:A:ARG:HG2	2:267:A:ARG:HA	19	0.11
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG13	2	0.11
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	2	0.11
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	6	0.11
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	13	0.11
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	14	0.11
(4,1061)	2:347:A:LEU:HD11	2:347:A:LEU:HA	8	0.11
(4,1038)	2:317:A:ARG:H	2:317:A:ARG:HD2	3	0.11
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	13	0.11
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	14	0.11
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	18	0.11
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	19	0.11
(4,980)	2:302:A:LYS:HA	2:305:A:ASP:HB3	6	0.11
(4,959)	2:334:A:ARG:HD3	2:330:A:ASP:HA	3	0.11
(4,959)	2:334:A:ARG:HD3	2:330:A:ASP:HA	17	0.11
(4,957)	2:334:A:ARG:HD2	2:335:A:GLN:HE21	6	0.11
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	4	0.11
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	5	0.11
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	14	0.11
(4,918)	2:313:A:ARG:H	2:309:A:VAL:HG12	9	0.11
(4,916)	2:309:A:VAL:HG23	2:309:A:VAL:HA	3	0.11
(4,916)	2:309:A:VAL:HG23	2:309:A:VAL:HA	17	0.11
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	3	0.11
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	5	0.11
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	11	0.11
(4,900)	2:245:A:GLU:HA	2:245:A:GLU:HB2	5	0.11
(4,891)	2:299:A:SER:HG	2:301:A:ASP:HB3	16	0.11
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE2	4	0.11
(4,882)	2:304:A:PHE:HB2	2:276:A:MET:HE1	13	0.11
(4,877)	2:335:A:GLN:HE22	2:281:A:LEU:HD11	7	0.11
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD21	2	0.11
(4,873)	2:296:A:SER:HB2	2:281:A:LEU:HD21	18	0.11
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	12	0.11
(4,855)	2:295:A:VAL:HB	2:294:A:SER:HB3	17	0.11
(4,834)	2:288:A:GLY:HA2	2:321:A:MET:H	7	0.11
(4,834)	2:288:A:GLY:HA2	2:321:A:MET:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,823)	2:292:A:ASN:H	2:290:A:ILE:HG22	11	0.11
(4,821)	2:291:A:THR:H	2:290:A:ILE:HG23	7	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	1	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	5	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	7	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	9	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	12	0.11
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	16	0.11
(4,795)	2:291:A:THR:HG22	2:291:A:THR:HA	2	0.11
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	3	0.11
(4,795)	2:291:A:THR:HG21	2:291:A:THR:HA	9	0.11
(4,795)	2:291:A:THR:HG23	2:291:A:THR:HA	16	0.11
(4,776)	2:260:A:ASN:HB2	2:257:A:LEU:HD22	11	0.11
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	3	0.11
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	4	0.11
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	10	0.11
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	13	0.11
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	18	0.11
(4,772)	2:260:A:ASN:HB2	2:261:A:LEU:H	19	0.11
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG12	7	0.11
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG11	9	0.11
(4,755)	2:259:A:VAL:HG22	2:259:A:VAL:H	2	0.11
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	13	0.11
(4,743)	2:271:A:SER:HB2	2:271:A:SER:HA	16	0.11
(4,738)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	9	0.11
(4,729)	2:275:A:GLY:H	2:274:A:ASN:HB3	12	0.11
(4,721)	2:277:A:SER:H	2:276:A:MET:HB3	15	0.11
(4,721)	2:277:A:SER:H	2:276:A:MET:HB3	19	0.11
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	8	0.11
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	10	0.11
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	13	0.11
(4,674)	2:284:A:MET:H	2:283:A:GLU:HG3	15	0.11
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	5	0.11
(4,667)	2:325:A:PRO:HB2	2:326:A:ARG:H	6	0.11
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	1	0.11
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	9	0.11
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	16	0.11
(4,640)	2:327:A:ALA:HB2	2:328:A:THR:H	3	0.11
(4,639)	2:327:A:ALA:HB1	2:327:A:ALA:H	10	0.11
(4,620)	2:332:A:LEU:HD12	2:332:A:LEU:H	12	0.11
(4,612)	2:335:A:GLN:H	2:334:A:ARG:HB3	13	0.11
(4,606)	2:281:A:LEU:HD11	2:336:A:ARG:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,568)	2:251:A:THR:HG22	2:251:A:THR:H	15	0.11
(4,568)	2:251:A:THR:HG23	2:251:A:THR:H	16	0.11
(4,557)	2:254:A:LEU:HD22	2:254:A:LEU:HA	4	0.11
(4,553)	2:250:A:VAL:HG21	2:249:A:GLU:HG2	1	0.11
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	7	0.11
(4,541)	2:249:A:GLU:HA	2:249:A:GLU:HG2	1	0.11
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	11	0.11
(4,540)	2:238:A:ARG:H	2:238:A:ARG:HB3	20	0.11
(4,529)	2:253:A:SER:HB2	2:254:A:LEU:H	2	0.11
(4,529)	2:253:A:SER:HB2	2:254:A:LEU:H	5	0.11
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	10	0.11
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	11	0.11
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	19	0.11
(4,515)	2:256:A:ASP:H	2:256:A:ASP:HB3	17	0.11
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	15	0.11
(4,494)	2:291:A:THR:H	2:284:A:MET:HB2	16	0.11
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	5	0.11
(4,491)	2:284:A:MET:HB3	2:284:A:MET:H	10	0.11
(4,472)	2:337:A:ARG:HD3	2:338:A:ILE:H	18	0.11
(4,447)	2:265:A:GLN:HB2	2:311:A:ALA:HA	12	0.11
(4,431)	2:285:A:LEU:HD21	2:289:A:THR:HB	15	0.11
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE2	3	0.11
(4,411)	2:284:A:MET:HA	2:284:A:MET:HE3	20	0.11
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	4	0.11
(4,404)	2:317:A:ARG:HA	2:317:A:ARG:HD2	11	0.11
(4,402)	2:321:A:MET:HB3	2:288:A:GLY:HA3	3	0.11
(4,393)	2:313:A:ARG:HD3	2:290:A:ILE:HG23	6	0.11
(4,393)	2:313:A:ARG:HD3	2:290:A:ILE:HG21	11	0.11
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB3	11	0.11
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	13	0.11
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	6	0.11
(4,377)	2:249:A:GLU:HA	2:249:A:GLU:HB2	11	0.11
(4,346)	2:276:A:MET:HE2	2:301:A:ASP:HB3	2	0.11
(4,345)	2:299:A:SER:HB3	2:276:A:MET:HE1	4	0.11
(4,341)	2:279:A:GLU:HB3	2:296:A:SER:HB3	18	0.11
(4,339)	2:296:A:SER:HA	2:296:A:SER:HB3	20	0.11
(4,328)	2:321:A:MET:HE3	2:321:A:MET:HG3	19	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG13	3	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG12	4	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG13	6	0.11
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG12	8	0.11
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,302)	2:276:A:MET:HA	2:276:A:MET:HG3	20	0.11
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG23	7	0.11
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	6	0.11
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	13	0.11
(4,258)	2:326:A:ARG:HD2	2:326:A:ARG:HA	12	0.11
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD12	4	0.11
(4,243)	2:332:A:LEU:HD12	2:251:A:THR:HA	14	0.11
(4,238)	2:281:A:LEU:HD11	2:337:A:ARG:HA	9	0.11
(4,238)	2:281:A:LEU:HD13	2:337:A:ARG:HA	12	0.11
(4,231)	2:258:A:ILE:HG22	2:336:A:ARG:HD3	12	0.11
(4,225)	2:321:A:MET:HA	2:254:A:LEU:HD21	16	0.11
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	2	0.11
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	11	0.11
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	16	0.11
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	4	0.11
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	12	0.11
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	13	0.11
(4,201)	2:286:A:PRO:HG2	2:286:A:PRO:HA	17	0.11
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	8	0.11
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	14	0.11
(4,191)	2:328:A:THR:HG22	2:328:A:THR:HA	18	0.11
(4,191)	2:328:A:THR:HG23	2:328:A:THR:HA	19	0.11
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	4	0.11
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	13	0.11
(4,190)	2:329:A:PHE:HB2	2:326:A:ARG:HA	16	0.11
(4,186)	2:255:A:ASP:HA	2:255:A:ASP:HB2	10	0.11
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG12	5	0.11
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG12	7	0.11
(4,128)	2:234:A:ASP:HA	2:234:A:ASP:HB2	8	0.11
(4,128)	2:234:A:ASP:HA	2:234:A:ASP:HB2	10	0.11
(4,119)	2:341:A:LYS:HE2	2:341:A:LYS:HB2	14	0.11
(4,88)	2:337:A:ARG:HB2	2:337:A:ARG:HD2	2	0.11
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD11	8	0.11
(4,62)	2:335:A:GLN:HB2	2:281:A:LEU:HD12	15	0.11
(4,45)	2:334:A:ARG:HG3	2:334:A:ARG:HA	8	0.11
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG22	16	0.11
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	20	0.11
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	8	0.11
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	15	0.11
(3,577)	2:264:A:GLN:HA	2:264:A:GLN:HG2	18	0.11
(3,557)	2:343:A:GLU:HG2	2:343:A:GLU:H	10	0.11
(3,538)	2:297:A:ARG:HG2	2:297:A:ARG:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	6	0.11
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	12	0.11
(3,528)	2:264:A:GLN:HA	2:264:A:GLN:HG2	19	0.11
(3,527)	2:246:A:VAL:HA	2:246:A:VAL:HG23	18	0.11
(3,516)	2:238:A:ARG:HA	2:238:A:ARG:HG2	11	0.11
(3,516)	2:238:A:ARG:HG3	2:238:A:ARG:HA	14	0.11
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	15	0.11
(3,504)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	4	0.11
(3,472)	2:239:A:GLN:H	2:238:A:ARG:HB3	12	0.11
(3,446)	2:328:A:THR:H	2:329:A:PHE:HB3	13	0.11
(3,441)	2:276:A:MET:HG2	2:276:A:MET:H	15	0.11
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD13	2	0.11
(3,439)	2:272:A:ALA:H	2:345:A:LEU:HD12	6	0.11
(3,423)	2:321:A:MET:HE1	2:333:A:TYR:HA	9	0.11
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	4	0.11
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	12	0.11
(3,407)	2:264:A:GLN:H	2:264:A:GLN:HG2	5	0.11
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	2	0.11
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	3	0.11
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	4	0.11
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	19	0.11
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG2	6	0.11
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	19	0.11
(3,370)	2:334:A:ARG:HG2	2:334:A:ARG:HA	19	0.11
(3,355)	2:265:A:GLN:HB2	2:314:A:ASN:HB3	5	0.11
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	20	0.11
(3,319)	2:326:A:ARG:HB3	2:327:A:ALA:H	13	0.11
(3,291)	2:264:A:GLN:HA	2:266:A:TRP:H	8	0.11
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	7	0.11
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	8	0.11
(3,260)	2:323:A:GLN:H	2:323:A:GLN:HB2	12	0.11
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	7	0.11
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	10	0.11
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	11	0.11
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	1	0.11
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	9	0.11
(3,240)	2:238:A:ARG:HA	2:238:A:ARG:H	16	0.11
(3,195)	2:338:A:ILE:H	2:280:A:VAL:HG11	2	0.11
(3,175)	2:272:A:ALA:H	2:273:A:ARG:HG2	6	0.11
(3,167)	2:280:A:VAL:HG12	2:281:A:LEU:H	8	0.11
(3,167)	2:280:A:VAL:HG12	2:281:A:LEU:H	15	0.11
(3,167)	2:280:A:VAL:HG12	2:281:A:LEU:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	1	0.11
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	3	0.11
(3,153)	2:236:A:THR:HA	2:236:A:THR:HG21	19	0.11
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD13	2	0.11
(3,143)	2:268:A:ARG:HB2	2:345:A:LEU:HD13	14	0.11
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	9	0.11
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	10	0.11
(3,128)	2:341:A:LYS:HD2	2:277:A:SER:HB2	12	0.11
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	5	0.11
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	16	0.11
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	4	0.11
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	2	0.11
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	11	0.11
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	16	0.11
(3,95)	2:321:A:MET:HB2	2:288:A:GLY:HA2	11	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	7	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	9	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	10	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	11	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	13	0.11
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	18	0.11
(3,59)	2:313:A:ARG:HB3	2:313:A:ARG:HA	14	0.11
(3,51)	2:297:A:ARG:HG2	2:297:A:ARG:HA	2	0.11
(3,51)	2:297:A:ARG:HG3	2:297:A:ARG:HA	4	0.11
(3,51)	2:297:A:ARG:HG2	2:297:A:ARG:HA	6	0.11
(3,51)	2:297:A:ARG:HG2	2:297:A:ARG:HA	11	0.11
(3,44)	2:247:A:GLY:HA3	2:246:A:VAL:HG23	8	0.11
(3,42)	2:240:A:GLN:HG2	2:240:A:GLN:HA	1	0.11
(3,40)	2:246:A:VAL:HA	2:246:A:VAL:HG22	3	0.11
(3,29)	2:238:A:ARG:HG3	2:238:A:ARG:HB2	3	0.11
(3,28)	2:238:A:ARG:HA	2:238:A:ARG:HG2	1	0.11
(3,28)	2:238:A:ARG:HG3	2:238:A:ARG:HA	15	0.11
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	3	0.11
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	11	0.11
(2,4)	2:337:A:ARG:O	1:4:B:LEU:H	5	0.11
(1,1)	2:257:A:LEU:H	2:253:A:SER:O	20	0.11
(4,4439)	1:12:B:ARG:HD3	1:12:B:ARG:H	19	0.1
(4,4432)	1:10:B:ASN:HB2	1:11:B:ASP:H	18	0.1
(4,4426)	1:10:B:ASN:HD22	1:10:B:ASN:HB3	15	0.1
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	1	0.1
(4,4397)	1:6:B:ILE:HG13	2:266:A:TRP:HE3	4	0.1
(4,4371)	2:332:A:LEU:HB2	2:332:A:LEU:HD23	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,4353)	2:276:A:MET:HE2	2:301:A:ASP:HB2	2	0.1
(4,4347)	2:276:A:MET:HE2	2:301:A:ASP:HB3	2	0.1
(4,4343)	2:321:A:MET:HE1	2:321:A:MET:HA	7	0.1
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	6	0.1
(4,4324)	2:326:A:ARG:HD3	2:326:A:ARG:HG3	8	0.1
(4,4322)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	5	0.1
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG22	8	0.1
(4,4303)	2:312:A:VAL:HG13	2:338:A:ILE:HG23	16	0.1
(4,4272)	2:322:A:GLN:HG2	2:322:A:GLN:H	8	0.1
(4,4195)	2:282:A:ILE:HG13	2:282:A:ILE:H	4	0.1
(4,4158)	2:328:A:THR:HB	2:324:A:LEU:HB2	20	0.1
(4,4058)	2:255:A:ASP:HA	2:258:A:ILE:HD12	6	0.1
(4,4052)	2:258:A:ILE:H	2:257:A:LEU:HG	16	0.1
(4,4031)	2:302:A:LYS:HA	2:305:A:ASP:HB3	4	0.1
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	13	0.1
(4,4010)	2:334:A:ARG:HD3	2:330:A:ASP:HA	18	0.1
(4,3974)	2:305:A:ASP:HA	2:308:A:ALA:HB2	19	0.1
(4,3954)	2:309:A:VAL:HG23	2:309:A:VAL:HA	1	0.1
(4,3954)	2:309:A:VAL:HG22	2:309:A:VAL:HA	2	0.1
(4,3954)	2:309:A:VAL:HG21	2:309:A:VAL:HA	15	0.1
(4,3910)	2:299:A:SER:HB3	2:276:A:MET:HE2	6	0.1
(4,3856)	2:288:A:GLY:HA2	2:321:A:MET:H	6	0.1
(4,3840)	2:316:A:GLY:HA3	2:316:A:GLY:H	2	0.1
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	7	0.1
(4,3827)	2:314:A:ASN:HB2	2:315:A:VAL:H	18	0.1
(4,3811)	2:291:A:THR:HG22	2:291:A:THR:HB	1	0.1
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD22	3	0.1
(4,3790)	2:261:A:LEU:HG	2:261:A:LEU:HD21	4	0.1
(4,3784)	2:260:A:ASN:HB2	2:259:A:VAL:HB	1	0.1
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	14	0.1
(4,3776)	2:260:A:ASN:HB2	2:260:A:ASN:HD22	15	0.1
(4,3766)	2:259:A:VAL:HG11	2:259:A:VAL:HA	7	0.1
(4,3758)	2:259:A:VAL:HG22	2:259:A:VAL:H	9	0.1
(4,3737)	2:273:A:ARG:HB2	2:273:A:ARG:HD2	19	0.1
(4,3714)	2:277:A:SER:H	2:276:A:MET:HB3	18	0.1
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	1	0.1
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	13	0.1
(4,3678)	2:280:A:VAL:HB	2:279:A:GLU:HA	16	0.1
(4,3627)	2:328:A:THR:HB	2:325:A:PRO:HG3	3	0.1
(4,3627)	2:328:A:THR:HB	2:325:A:PRO:HG3	5	0.1
(4,3627)	2:328:A:THR:HB	2:325:A:PRO:HG3	9	0.1
(4,3627)	2:328:A:THR:HB	2:325:A:PRO:HG3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,3627)	2:328:A:THR:HB	2:325:A:PRO:HG3	18	0.1
(4,3584)	2:331:A:SER:HB2	2:332:A:LEU:H	9	0.1
(4,3583)	2:331:A:SER:HB3	2:331:A:SER:H	13	0.1
(4,3583)	2:331:A:SER:HB3	2:331:A:SER:H	18	0.1
(4,3578)	2:332:A:LEU:HD12	2:332:A:LEU:H	17	0.1
(4,3564)	2:334:A:ARG:HD2	2:334:A:ARG:H	3	0.1
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	6	0.1
(4,3544)	2:336:A:ARG:HD3	2:337:A:ARG:H	14	0.1
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	12	0.1
(4,3541)	1:6:B:ILE:H	2:338:A:ILE:HG21	16	0.1
(4,3481)	2:250:A:VAL:H	2:250:A:VAL:HG13	19	0.1
(4,3475)	2:249:A:GLU:H	2:249:A:GLU:HB2	20	0.1
(4,3436)	2:345:A:LEU:HA	2:345:A:LEU:HD22	19	0.1
(4,3405)	2:291:A:THR:H	2:284:A:MET:HB2	5	0.1
(4,3388)	2:346:A:SER:H	2:345:A:LEU:HB3	6	0.1
(4,3379)	2:347:A:LEU:H	2:347:A:LEU:HB2	5	0.1
(4,3355)	2:265:A:GLN:HB2	2:311:A:ALA:HA	19	0.1
(4,3331)	2:339:A:ILE:HD11	2:277:A:SER:HB3	14	0.1
(4,3311)	2:297:A:ARG:HD2	2:297:A:ARG:HB2	11	0.1
(4,3293)	1:9:B:GLY:HA3	2:263:A:SER:HB2	4	0.1
(4,3270)	2:250:A:VAL:HB	2:251:A:THR:HA	11	0.1
(4,3267)	2:317:A:ARG:HA	2:317:A:ARG:HD2	6	0.1
(4,3253)	2:313:A:ARG:HD2	2:293:A:ALA:HB2	9	0.1
(4,3220)	2:314:A:ASN:HA	2:314:A:ASN:HB3	9	0.1
(4,3215)	2:312:A:VAL:HG12	2:308:A:ALA:HB2	10	0.1
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE3	7	0.1
(4,3188)	2:299:A:SER:HB3	2:276:A:MET:HE2	11	0.1
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	3	0.1
(4,3184)	2:279:A:GLU:HB3	2:296:A:SER:HB3	12	0.1
(4,3182)	2:296:A:SER:HA	2:296:A:SER:HB3	14	0.1
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG11	12	0.1
(4,3144)	2:259:A:VAL:HB	2:259:A:VAL:HG13	15	0.1
(4,3127)	2:341:A:LYS:HB3	2:277:A:SER:HB2	17	0.1
(4,3106)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	16	0.1
(4,3066)	2:328:A:THR:HB	2:324:A:LEU:HD11	7	0.1
(4,3043)	2:257:A:LEU:HB3	2:254:A:LEU:HA	12	0.1
(4,3009)	2:328:A:THR:HG23	2:328:A:THR:HA	3	0.1
(4,3009)	2:328:A:THR:HG22	2:328:A:THR:HA	12	0.1
(4,3002)	2:255:A:ASP:HA	2:255:A:ASP:HB2	2	0.1
(4,3002)	2:255:A:ASP:HA	2:255:A:ASP:HB2	9	0.1
(4,2770)	2:228:A:LEU:HB3	2:228:A:LEU:H	3	0.1
(4,2764)	1:1:B:ALA:HA	2:251:A:THR:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2761)	2:249:A:GLU:HB3	2:250:A:VAL:H	20	0.1
(4,2732)	2:334:A:ARG:HB2	2:335:A:GLN:H	8	0.1
(4,2708)	2:323:A:GLN:H	2:323:A:GLN:HG3	4	0.1
(4,2708)	2:323:A:GLN:H	2:323:A:GLN:HG3	6	0.1
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB1	2	0.1
(4,2672)	2:311:A:ALA:H	2:308:A:ALA:HB2	4	0.1
(4,2659)	2:301:A:ASP:H	2:304:A:PHE:HD1	14	0.1
(4,2645)	2:293:A:ALA:H	2:292:A:ASN:HB2	4	0.1
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	12	0.1
(4,2634)	2:288:A:GLY:HA2	2:287:A:ASP:H	18	0.1
(4,2606)	2:272:A:ALA:HB2	2:271:A:SER:H	15	0.1
(4,2571)	2:243:A:ALA:HA	2:244:A:ASP:H	17	0.1
(4,2567)	2:237:A:GLU:HB2	2:238:A:ARG:H	10	0.1
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	9	0.1
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	11	0.1
(4,2556)	2:263:A:SER:H	2:262:A:VAL:HB	12	0.1
(4,2512)	2:244:A:ASP:HB3	2:245:A:GLU:H	17	0.1
(4,2468)	2:344:A:ASP:HB2	2:345:A:LEU:H	16	0.1
(4,2421)	2:307:A:SER:H	2:303:A:PRO:HA	7	0.1
(4,2415)	2:230:A:GLU:H	2:230:A:GLU:HA	20	0.1
(4,2390)	2:243:A:ALA:HB3	2:243:A:ALA:H	17	0.1
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	11	0.1
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	16	0.1
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	17	0.1
(4,2366)	2:258:A:ILE:H	2:257:A:LEU:HG	20	0.1
(4,2340)	2:319:A:PRO:HB2	2:321:A:MET:H	2	0.1
(4,2320)	2:296:A:SER:HB3	2:297:A:ARG:H	5	0.1
(4,2273)	2:275:A:GLY:H	2:276:A:MET:H	19	0.1
(4,2235)	2:277:A:SER:H	2:304:A:PHE:HD1	16	0.1
(4,2183)	2:324:A:LEU:H	2:323:A:GLN:HG2	2	0.1
(4,2167)	2:315:A:VAL:H	2:312:A:VAL:HA	14	0.1
(4,2129)	2:296:A:SER:H	2:295:A:VAL:HG21	9	0.1
(4,2115)	2:307:A:SER:HA	2:266:A:TRP:HE1	17	0.1
(4,2013)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	11	0.1
(4,1983)	2:295:A:VAL:H	2:295:A:VAL:HG22	12	0.1
(4,1971)	2:313:A:ARG:HG3	2:293:A:ALA:HB1	5	0.1
(4,1968)	2:284:A:MET:HA	2:285:A:LEU:HB2	16	0.1
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	7	0.1
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	14	0.1
(4,1925)	2:257:A:LEU:HB3	2:257:A:LEU:H	16	0.1
(4,1911)	2:327:A:ALA:HB1	2:328:A:THR:H	18	0.1
(4,1834)	2:331:A:SER:H	2:330:A:ASP:HB2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1820)	2:323:A:GLN:H	2:324:A:LEU:HA	9	0.1
(4,1783)	2:301:A:ASP:H	2:304:A:PHE:HD1	3	0.1
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	8	0.1
(4,1763)	2:288:A:GLY:HA2	2:287:A:ASP:H	10	0.1
(4,1751)	2:282:A:ILE:HG13	2:283:A:GLU:H	6	0.1
(4,1730)	2:265:A:GLN:HB3	2:266:A:TRP:H	8	0.1
(4,1727)	2:256:A:ASP:H	2:257:A:LEU:HB2	3	0.1
(4,1698)	2:263:A:SER:H	2:262:A:VAL:HB	10	0.1
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	16	0.1
(4,1696)	2:263:A:SER:HB2	2:263:A:SER:H	17	0.1
(4,1673)	2:235:A:THR:HG22	2:235:A:THR:H	12	0.1
(4,1663)	2:244:A:ASP:HA	2:245:A:GLU:H	10	0.1
(4,1646)	2:341:A:LYS:H	2:341:A:LYS:HG3	17	0.1
(4,1609)	2:315:A:VAL:HG13	2:262:A:VAL:H	11	0.1
(4,1571)	2:238:A:ARG:HB3	2:237:A:GLU:H	2	0.1
(4,1570)	2:237:A:GLU:HB3	2:237:A:GLU:H	10	0.1
(4,1568)	2:241:A:ALA:HB2	2:241:A:ALA:H	11	0.1
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	4	0.1
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	7	0.1
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	9	0.1
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	15	0.1
(4,1550)	2:258:A:ILE:H	2:257:A:LEU:HG	18	0.1
(4,1539)	2:319:A:PRO:HB2	2:321:A:MET:H	19	0.1
(4,1455)	2:277:A:SER:H	2:304:A:PHE:HD1	9	0.1
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	5	0.1
(4,1361)	2:307:A:SER:HA	2:266:A:TRP:HE1	20	0.1
(4,1271)	1:11:B:ASP:HB2	1:11:B:ASP:H	7	0.1
(4,1257)	1:13:B:ALA:H	1:12:B:ARG:HG2	16	0.1
(4,1223)	2:276:A:MET:HE1	2:301:A:ASP:HB2	7	0.1
(4,1210)	2:282:A:ILE:HB	2:283:A:GLU:H	5	0.1
(4,1210)	2:282:A:ILE:HB	2:283:A:GLU:H	18	0.1
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	6	0.1
(4,1205)	2:283:A:GLU:HB3	2:292:A:ASN:HB3	10	0.1
(4,1201)	2:326:A:ARG:HB3	2:326:A:ARG:HD2	6	0.1
(4,1166)	2:322:A:GLN:HG2	2:322:A:GLN:H	10	0.1
(4,1153)	2:338:A:ILE:HD11	2:338:A:ILE:HG23	13	0.1
(4,1153)	2:338:A:ILE:HD12	2:338:A:ILE:HG23	16	0.1
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	9	0.1
(4,1145)	2:344:A:ASP:H	2:343:A:GLU:HB2	19	0.1
(4,1129)	2:318:A:ILE:H	2:318:A:ILE:HG12	13	0.1
(4,1107)	2:282:A:ILE:HG13	2:282:A:ILE:H	5	0.1
(4,1105)	2:267:A:ARG:HG2	2:267:A:ARG:HA	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1105)	2:267:A:ARG:HG2	2:267:A:ARG:HA	9	0.1
(4,1090)	2:284:A:MET:HE2	2:321:A:MET:HG2	16	0.1
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG11	9	0.1
(4,1086)	2:279:A:GLU:H	2:278:A:VAL:HG12	14	0.1
(4,1081)	2:294:A:SER:HB2	2:295:A:VAL:HB	19	0.1
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	4	0.1
(4,1031)	2:272:A:ALA:HA	2:304:A:PHE:HD2	9	0.1
(4,1027)	2:313:A:ARG:H	2:313:A:ARG:HG3	17	0.1
(4,980)	2:302:A:LYS:HA	2:305:A:ASP:HB3	3	0.1
(4,980)	2:302:A:LYS:HA	2:305:A:ASP:HB3	10	0.1
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	12	0.1
(4,923)	2:309:A:VAL:HA	2:312:A:VAL:HA	18	0.1
(4,916)	2:309:A:VAL:HG23	2:309:A:VAL:HA	5	0.1
(4,916)	2:309:A:VAL:HG21	2:309:A:VAL:HA	8	0.1
(4,916)	2:309:A:VAL:HG22	2:309:A:VAL:HA	19	0.1
(4,910)	2:306:A:SER:HB2	2:308:A:ALA:H	9	0.1
(4,908)	2:322:A:GLN:HE22	2:287:A:ASP:HB2	8	0.1
(4,905)	2:265:A:GLN:HA	2:311:A:ALA:HA	8	0.1
(4,905)	2:265:A:GLN:HA	2:311:A:ALA:HA	14	0.1
(4,826)	2:321:A:MET:HG3	2:321:A:MET:H	1	0.1
(4,823)	2:292:A:ASN:H	2:290:A:ILE:HG21	6	0.1
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	2	0.1
(4,812)	2:289:A:THR:HA	2:290:A:ILE:HB	3	0.1
(4,811)	2:314:A:ASN:HD22	2:314:A:ASN:HB3	17	0.1
(4,796)	2:291:A:THR:HG21	2:291:A:THR:HB	17	0.1
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG11	16	0.1
(4,762)	2:260:A:ASN:HA	2:259:A:VAL:HG13	20	0.1
(4,721)	2:277:A:SER:H	2:276:A:MET:HB3	4	0.1
(4,721)	2:277:A:SER:H	2:276:A:MET:HB3	11	0.1
(4,718)	2:277:A:SER:HB3	2:341:A:LYS:HG3	7	0.1
(4,718)	2:277:A:SER:HB3	2:341:A:LYS:HG3	14	0.1
(4,713)	2:277:A:SER:HB2	2:341:A:LYS:HA	16	0.1
(4,665)	2:328:A:THR:HB	2:325:A:PRO:HD2	11	0.1
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	7	0.1
(4,644)	2:326:A:ARG:HB3	2:326:A:ARG:H	18	0.1
(4,625)	2:331:A:SER:HB2	2:332:A:LEU:H	1	0.1
(4,606)	2:281:A:LEU:HD11	2:336:A:ARG:H	5	0.1
(4,554)	2:249:A:GLU:H	2:250:A:VAL:HG22	5	0.1
(4,543)	2:249:A:GLU:HA	2:250:A:VAL:H	2	0.1
(4,517)	2:256:A:ASP:HB2	2:257:A:LEU:H	3	0.1
(4,474)	2:347:A:LEU:H	2:347:A:LEU:HB2	14	0.1
(4,453)	2:313:A:ARG:HA	2:312:A:VAL:HG23	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,423)	2:297:A:ARG:HD2	2:297:A:ARG:HB2	15	0.1
(4,420)	2:297:A:ARG:HD2	2:297:A:ARG:HA	5	0.1
(4,392)	2:313:A:ARG:HD2	2:293:A:ALA:HB1	6	0.1
(4,361)	2:312:A:VAL:HG13	2:308:A:ALA:HB3	7	0.1
(4,341)	2:279:A:GLU:HB3	2:296:A:SER:HB3	20	0.1
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG12	16	0.1
(4,311)	2:259:A:VAL:HB	2:259:A:VAL:HG11	20	0.1
(4,303)	2:341:A:LYS:HG3	2:275:A:GLY:HA3	15	0.1
(4,290)	2:280:A:VAL:HG12	2:295:A:VAL:HA	5	0.1
(4,283)	2:282:A:ILE:HA	2:282:A:ILE:HG23	11	0.1
(4,280)	2:283:A:GLU:HG2	2:292:A:ASN:HB2	10	0.1
(4,269)	2:319:A:PRO:HB2	2:319:A:PRO:HA	13	0.1
(4,247)	2:328:A:THR:HB	2:324:A:LEU:HD12	9	0.1
(4,220)	2:257:A:LEU:HB3	2:254:A:LEU:HA	15	0.1
(4,191)	2:328:A:THR:HG21	2:328:A:THR:HA	13	0.1
(4,188)	2:345:A:LEU:HA	2:345:A:LEU:HD22	5	0.1
(4,179)	2:250:A:VAL:HB	2:250:A:VAL:HG11	12	0.1
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	3	0.1
(4,86)	2:337:A:ARG:HD2	2:337:A:ARG:HA	7	0.1
(4,55)	2:334:A:ARG:HG2	2:330:A:ASP:HA	9	0.1
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG21	2	0.1
(4,1)	2:340:A:PHE:HB3	2:278:A:VAL:HG23	7	0.1
(3,605)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	16	0.1
(3,604)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	12	0.1
(3,587)	2:304:A:PHE:HA	2:269:A:PRO:HB3	4	0.1
(3,532)	2:246:A:VAL:HG23	2:247:A:GLY:HA2	5	0.1
(3,506)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	20	0.1
(3,502)	2:302:A:LYS:HG2	2:302:A:LYS:HD3	4	0.1
(3,446)	2:328:A:THR:H	2:329:A:PHE:HB3	8	0.1
(3,446)	2:328:A:THR:H	2:329:A:PHE:HB3	9	0.1
(3,446)	2:328:A:THR:H	2:329:A:PHE:HB3	19	0.1
(3,422)	1:6:B:ILE:HB	2:338:A:ILE:HG22	1	0.1
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	3	0.1
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	7	0.1
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	10	0.1
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	11	0.1
(3,421)	2:265:A:GLN:HG3	2:311:A:ALA:HA	19	0.1
(3,407)	2:264:A:GLN:H	2:264:A:GLN:HG2	12	0.1
(3,407)	2:264:A:GLN:H	2:264:A:GLN:HG2	16	0.1
(3,407)	2:264:A:GLN:H	2:264:A:GLN:HG2	19	0.1
(3,395)	2:337:A:ARG:HG3	2:337:A:ARG:HA	6	0.1
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG2	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,393)	2:317:A:ARG:H	2:317:A:ARG:HG2	16	0.1
(3,391)	2:338:A:ILE:HG22	2:339:A:ILE:H	6	0.1
(3,391)	2:338:A:ILE:HG21	2:339:A:ILE:H	10	0.1
(3,390)	2:251:A:THR:HB	2:251:A:THR:HG21	10	0.1
(3,382)	2:270:A:PRO:HG3	2:270:A:PRO:HA	10	0.1
(3,376)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	10	0.1
(3,342)	2:291:A:THR:H	2:283:A:GLU:HB2	7	0.1
(3,328)	2:280:A:VAL:HG13	2:281:A:LEU:H	9	0.1
(3,286)	2:338:A:ILE:H	2:337:A:ARG:HB3	4	0.1
(3,274)	2:263:A:SER:H	2:264:A:GLN:HB2	12	0.1
(3,268)	2:335:A:GLN:HE22	2:281:A:LEU:HD22	7	0.1
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	2	0.1
(3,254)	2:283:A:GLU:HB3	2:283:A:GLU:H	16	0.1
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	2	0.1
(3,248)	2:264:A:GLN:HA	2:266:A:TRP:H	15	0.1
(3,194)	2:338:A:ILE:H	2:337:A:ARG:HB3	17	0.1
(3,182)	2:276:A:MET:HG2	2:276:A:MET:H	15	0.1
(3,155)	2:302:A:LYS:HG3	2:302:A:LYS:HD2	8	0.1
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	2	0.1
(3,150)	2:264:A:GLN:HG3	2:265:A:GLN:HE22	11	0.1
(3,143)	2:268:A:ARG:HB3	2:345:A:LEU:HD12	19	0.1
(3,135)	2:317:A:ARG:H	2:317:A:ARG:HG2	12	0.1
(3,129)	2:325:A:PRO:HD2	2:324:A:LEU:HB2	14	0.1
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	6	0.1
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	12	0.1
(3,117)	2:264:A:GLN:HA	2:264:A:GLN:HG2	19	0.1
(3,116)	2:264:A:GLN:H	2:264:A:GLN:HG2	11	0.1
(3,107)	2:314:A:ASN:HB2	2:265:A:GLN:HG2	1	0.1
(3,85)	2:270:A:PRO:HD2	2:270:A:PRO:HA	3	0.1
(3,76)	2:335:A:GLN:HE22	2:335:A:GLN:HG3	18	0.1
(3,51)	2:297:A:ARG:HG2	2:297:A:ARG:HA	10	0.1
(3,28)	2:238:A:ARG:HA	2:238:A:ARG:HG2	17	0.1
(3,21)	2:302:A:LYS:HE2	2:302:A:LYS:HD3	15	0.1
(3,9)	2:341:A:LYS:HE3	2:341:A:LYS:HD2	18	0.1
(1,27)	2:315:A:VAL:H	2:311:A:ALA:O	7	0.1
(1,27)	2:315:A:VAL:H	2:311:A:ALA:O	15	0.1

10 Dihedral-angle violation analysis

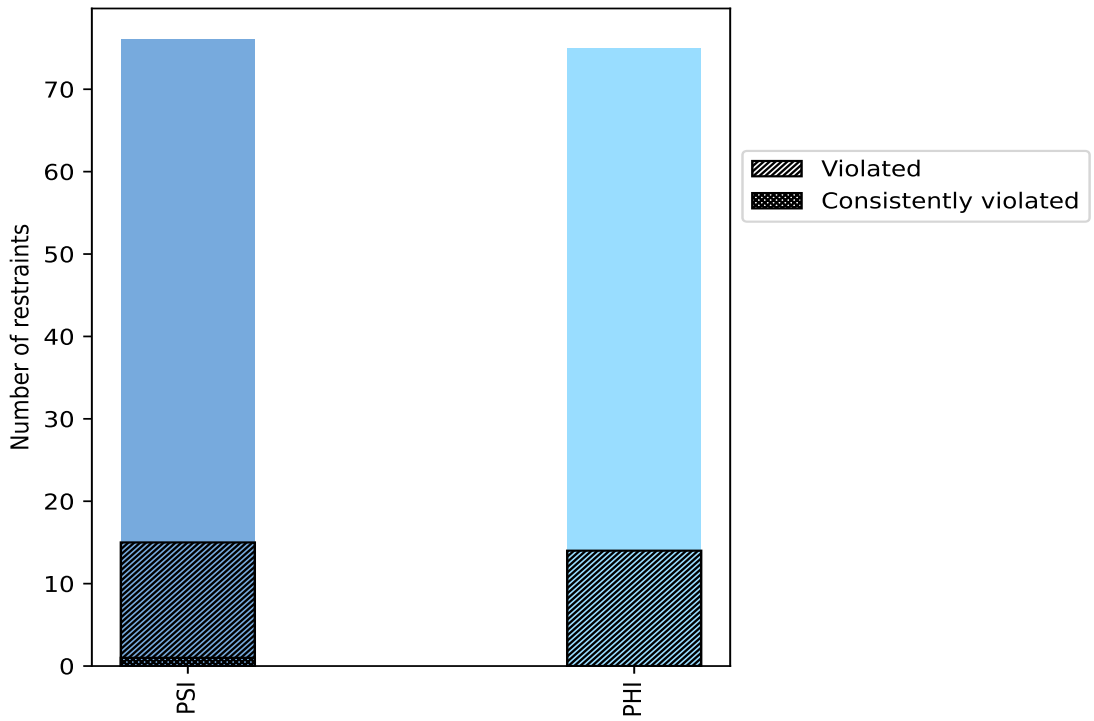
10.1 Summary of dihedral-angle violations

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	76	50.3	15	19.7	9.9	1	1.3	0.7
PHI	75	49.7	14	18.7	9.3	0	0.0	0.0
Total	151	100.0	29	19.2	19.2	1	0.7	0.7

[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



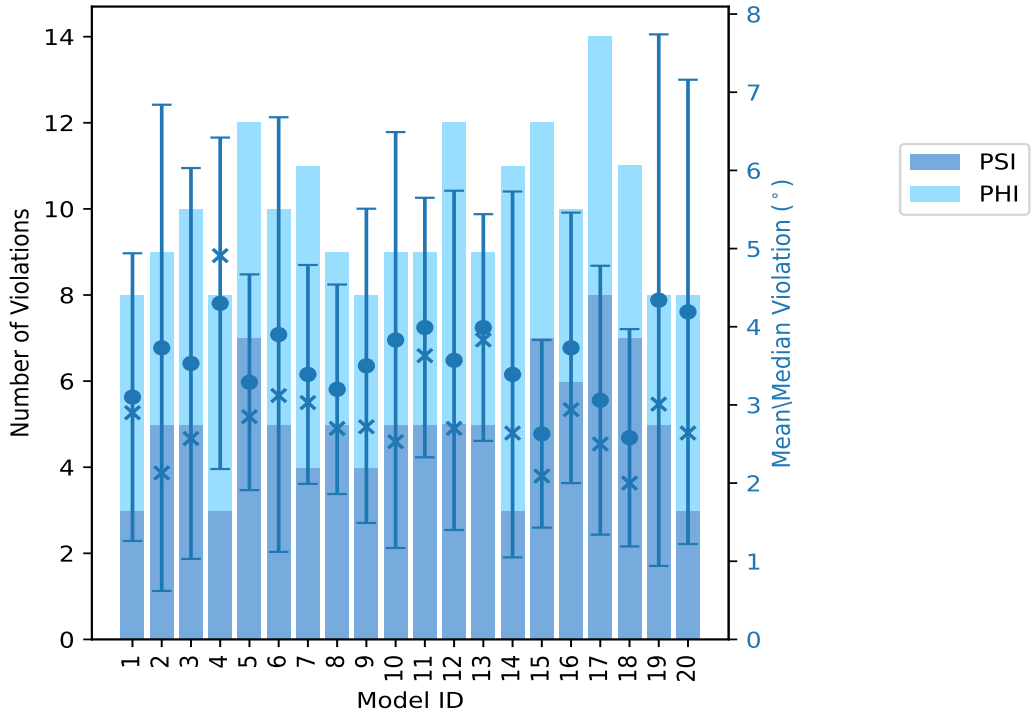
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	3	5	8	3.1	6.2	1.84	2.9
2	5	4	9	3.73	10.75	3.11	2.13
3	5	5	10	3.53	10.07	2.5	2.57
4	3	5	8	4.3	7.52	2.12	4.91
5	7	5	12	3.29	6.11	1.38	2.85
6	5	5	10	3.9	11.04	2.78	3.12
7	4	7	11	3.39	5.7	1.4	3.03
8	5	4	9	3.2	6.16	1.34	2.7
9	4	4	8	3.5	6.54	2.01	2.72
10	5	4	9	3.83	9.54	2.66	2.53
11	5	4	9	3.99	6.98	1.66	3.63
12	5	7	12	3.57	7.75	2.17	2.7
13	5	4	9	3.99	6.69	1.45	3.83
14	3	8	11	3.39	9.01	2.34	2.64
15	7	5	12	2.63	5.3	1.2	2.09
16	6	4	10	3.73	7.18	1.73	2.94
17	8	6	14	3.06	7.11	1.72	2.5
18	7	4	11	2.58	5.14	1.39	2.0
19	5	3	8	4.34	11.87	3.4	3.01
20	3	5	8	4.19	9.35	2.97	2.64

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]	%
3	3	6	1	5.0
2	1	3	2	10.0
0	2	2	3	15.0
3	2	5	4	20.0
1	0	1	5	25.0
2	0	2	6	30.0
0	0	0	7	35.0
0	2	2	8	40.0
0	0	0	9	45.0
0	1	1	10	50.0
1	0	1	11	55.0

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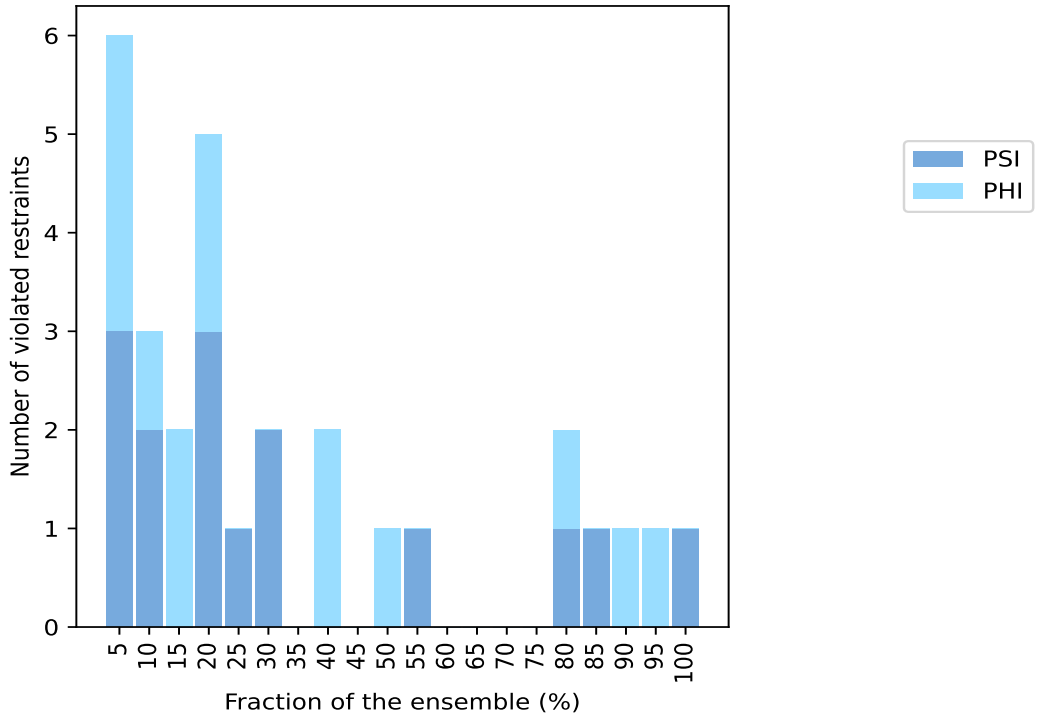
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
1	1	2	16	80.0
1	0	1	17	85.0
0	1	1	18	90.0
0	1	1	19	95.0
1	0	1	20	100.0

[1] Number of models with violations

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

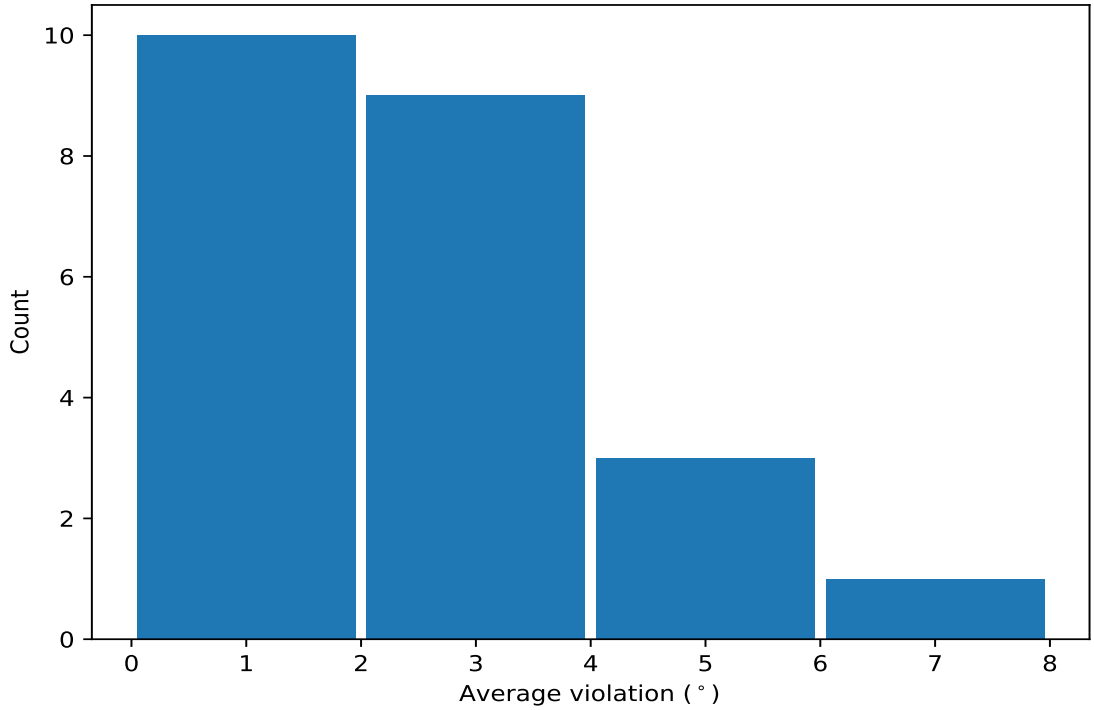


10.4 Most violated dihedral-angle restraints in the ensemble

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
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	20	5.97	0.9	5.87
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	19	4.13	1.28	3.98
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	18	3.1	0.81	2.99
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	17	3.95	1.72	3.69
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	16	7.97	2.42	7.49
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	16	2.78	1.1	2.46
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	11	2.18	0.65	1.98
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	10	3.19	1.09	2.96
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	8	1.93	1.0	1.6
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	8	1.67	0.4	1.48
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	6	2.9	0.57	2.74
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	6	1.87	0.5	1.84
(1,138)	2:343:A:GLU:N	2:343:A:GLU:CA	2:343:A:GLU:C	2:344:A:ASP:N	5	4.05	1.0	4.57
(1,104)	2:320:A:GLU:N	2:320:A:GLU:CA	2:320:A:GLU:C	2:321:A:MET:N	4	2.18	0.63	2.28
(1,134)	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	2:342:A:PRO:N	4	1.98	0.93	1.88
(1,133)	2:340:A:PHE:C	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	4	1.92	0.77	1.7
(1,57)	2:289:A:THR:C	2:290:A:ILE:N	2:290:A:ILE:CA	2:290:A:ILE:C	4	1.92	0.53	1.81
(1,120)	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	2:333:A:TYR:N	4	1.5	0.21	1.56
(1,27)	2:267:A:ARG:C	2:268:A:ARG:N	2:268:A:ARG:CA	2:268:A:ARG:C	3	2.03	0.57	2.06
(1,47)	2:281:A:LEU:C	2:282:A:ILE:N	2:282:A:ILE:CA	2:282:A:ILE:C	3	1.63	0.33	1.53

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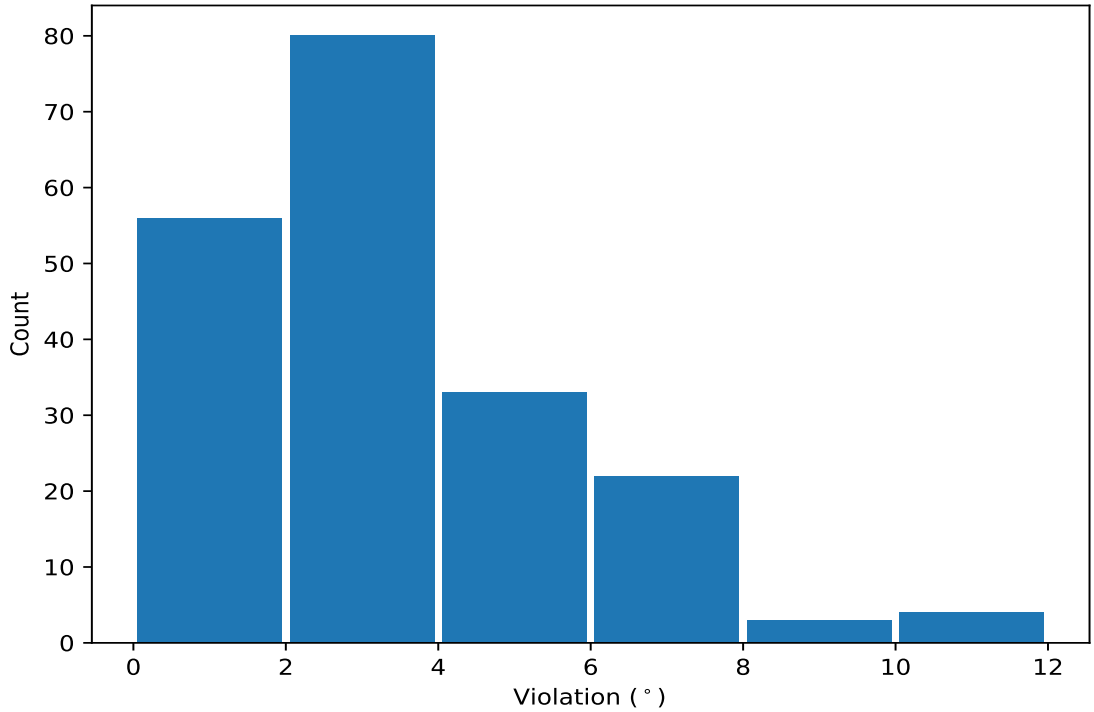
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(2,13)	1:10:B:ASN:N	1:10:B:ASN:CA	1:10:B:ASN:C	1:11:B:ASP:N	2	2.08	0.03	2.08
(1,70)	2:298:A:SER:N	2:298:A:SER:CA	2:298:A:SER:C	2:299:A:SER:N	2	1.9	0.38	1.9
(1,29)	2:268:A:ARG:C	2:269:A:PRO:N	2:269:A:PRO:CA	2:269:A:PRO:C	2	1.41	0.2	1.41

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	19	11.87
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	6	11.04
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	2	10.75
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	3	10.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	10	9.54
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	20	9.35
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	14	9.01
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	12	7.75
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	19	7.65
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	2	7.55
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	4	7.52
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	20	7.52
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	12	7.47
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	16	7.18
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	17	7.11
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	11	6.98
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	20	6.72
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	13	6.69
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	9	6.54
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	9	6.51
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	16	6.39
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	10	6.38
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	11	6.29
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	6	6.23
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	1	6.2
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	8	6.16
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	5	6.11
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	4	6.11
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	3	6.1
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	14	5.93
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	1	5.81
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	17	5.73
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	7	5.7
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	4	5.65
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	10	5.63
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	7	5.55
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	13	5.47
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	5	5.44
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	13	5.34
(1,138)	2:343:A:GLU:N	2:343:A:GLU:CA	2:343:A:GLU:C	2:344:A:ASP:N	15	5.3
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	18	5.14
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	18	5.1
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	4	4.97
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	16	4.95
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	4	4.85
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	14	4.72
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	12	4.71
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	9	4.71
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	12	4.68
(1,138)	2:343:A:GLU:N	2:343:A:GLU:CA	2:343:A:GLU:C	2:344:A:ASP:N	17	4.61
(1,138)	2:343:A:GLU:N	2:343:A:GLU:CA	2:343:A:GLU:C	2:344:A:ASP:N	12	4.57
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	5	4.54
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	7	4.45
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	6	4.36
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	11	4.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	17	4.26
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	13	4.12
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	15	4.08
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	7	4.08
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	5	4.04
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	8	4.03
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	7	4.01
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	6	3.98
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	14	3.98
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	19	3.97
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	8	3.96
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	13	3.83
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	10	3.78
(1,64)	2:294:A:SER:N	2:294:A:SER:CA	2:294:A:SER:C	2:295:A:VAL:N	15	3.75
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	8	3.7
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	2	3.7
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	14	3.69
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	11	3.65
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	16	3.63
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	11	3.63
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	11	3.58
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	11	3.52
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	2	3.49
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	6	3.47
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	19	3.42
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	3	3.38
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	17	3.37
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	15	3.37
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	18	3.21
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	1	3.2
(1,133)	2:340:A:PHE:C	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	18	3.16
(1,138)	2:343:A:GLU:N	2:343:A:GLU:CA	2:343:A:GLU:C	2:344:A:ASP:N	16	3.1
(1,134)	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	2:342:A:PRO:N	5	3.09
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	20	3.07
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	17	3.07
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	7	3.03
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	3	3.0
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	9	3.0
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	3	2.99
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	1	2.98
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	17	2.95
(1,104)	2:320:A:GLU:N	2:320:A:GLU:CA	2:320:A:GLU:C	2:321:A:MET:N	5	2.92
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	12	2.9
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	15	2.88
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	11	2.85
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	1	2.81
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	5	2.78
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	6	2.78
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	13	2.77
(1,57)	2:289:A:THR:C	2:290:A:ILE:N	2:290:A:ILE:CA	2:290:A:ILE:C	16	2.77
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	13	2.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	2:267:A:ARG:C	2:268:A:ARG:N	2:268:A:ARG:CA	2:268:A:ARG:C	7	2.72
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	6	2.7
(1,134)	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	2:342:A:PRO:N	8	2.7
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	16	2.68
(1,138)	2:343:A:GLU:N	2:343:A:GLU:CA	2:343:A:GLU:C	2:344:A:ASP:N	18	2.67
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	14	2.64
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	13	2.63
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	19	2.6
(1,104)	2:320:A:GLU:N	2:320:A:GLU:CA	2:320:A:GLU:C	2:321:A:MET:N	16	2.56
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	5	2.56
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	10	2.53
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	12	2.5
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	4	2.47
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	8	2.44
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	5	2.43
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	9	2.43
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	14	2.34
(2,10)	1:8:B:SER:N	1:8:B:SER:CA	1:8:B:SER:C	1:9:B:GLY:N	13	2.33
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	19	2.31
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	7	2.3
(1,70)	2:298:A:SER:N	2:298:A:SER:CA	2:298:A:SER:C	2:299:A:SER:N	15	2.28
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	8	2.21
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	20	2.21
(1,25)	2:266:A:TRP:C	2:267:A:ARG:N	2:267:A:ARG:CA	2:267:A:ARG:C	3	2.15
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	2	2.13
(2,13)	1:10:B:ASN:N	1:10:B:ASN:CA	1:10:B:ASN:C	1:11:B:ASP:N	2	2.1
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	3	2.09
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	7	2.09
(1,47)	2:281:A:LEU:C	2:282:A:ILE:N	2:282:A:ILE:CA	2:282:A:ILE:C	5	2.08
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	3	2.06
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	10	2.06
(1,27)	2:267:A:ARG:C	2:268:A:ARG:N	2:268:A:ARG:CA	2:268:A:ARG:C	16	2.06
(2,13)	1:10:B:ASN:N	1:10:B:ASN:CA	1:10:B:ASN:C	1:11:B:ASP:N	17	2.05
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	20	2.04
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	9	2.01
(1,104)	2:320:A:GLU:N	2:320:A:GLU:CA	2:320:A:GLU:C	2:321:A:MET:N	18	2.0
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	16	1.99
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	17	1.98
(2,12)	1:9:B:GLY:C	1:10:B:ASN:N	1:10:B:ASN:CA	1:10:B:ASN:C	12	1.97
(1,133)	2:340:A:PHE:C	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	7	1.93
(1,125)	2:336:A:ARG:C	2:337:A:ARG:N	2:337:A:ARG:CA	2:337:A:ARG:C	18	1.93
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	5	1.93
(1,57)	2:289:A:THR:C	2:290:A:ILE:N	2:290:A:ILE:CA	2:290:A:ILE:C	8	1.92
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	15	1.9
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	15	1.89
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	3	1.88
(1,119)	2:331:A:SER:C	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	10	1.86
(1,136)	2:342:A:PRO:N	2:342:A:PRO:CA	2:342:A:PRO:C	2:343:A:GLU:N	17	1.77
(1,120)	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	2:333:A:TYR:N	17	1.75
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	12	1.74
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	12	1.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,57)	2:289:A:THR:C	2:290:A:ILE:N	2:290:A:ILE:CA	2:290:A:ILE:C	15	1.7
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	15	1.67
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	8	1.65
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	2	1.64
(1,29)	2:268:A:ARG:C	2:269:A:PRO:N	2:269:A:PRO:CA	2:269:A:PRO:C	3	1.61
(1,120)	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	2:333:A:TYR:N	19	1.57
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	10	1.56
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	20	1.55
(1,120)	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	2:333:A:TYR:N	18	1.54
(1,100)	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	2:318:A:ILE:N	5	1.54
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	4	1.54
(1,47)	2:281:A:LEU:C	2:282:A:ILE:N	2:282:A:ILE:CA	2:282:A:ILE:C	9	1.53
(1,70)	2:298:A:SER:N	2:298:A:SER:CA	2:298:A:SER:C	2:299:A:SER:N	17	1.51
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	12	1.5
(1,135)	2:341:A:LYS:C	2:342:A:PRO:N	2:342:A:PRO:CA	2:342:A:PRO:C	15	1.48
(1,133)	2:340:A:PHE:C	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	6	1.48
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	1	1.47
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	6	1.47
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	6	1.45
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	7	1.43
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	14	1.36
(2,11)	1:9:B:GLY:N	1:9:B:GLY:CA	1:9:B:GLY:C	1:10:B:ASN:N	18	1.34
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	17	1.34
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	19	1.33
(1,27)	2:267:A:ARG:C	2:268:A:ARG:N	2:268:A:ARG:CA	2:268:A:ARG:C	17	1.32
(1,57)	2:289:A:THR:C	2:290:A:ILE:N	2:290:A:ILE:CA	2:290:A:ILE:C	1	1.31
(1,17)	2:262:A:VAL:C	2:263:A:SER:N	2:263:A:SER:CA	2:263:A:SER:C	4	1.31
(1,47)	2:281:A:LEU:C	2:282:A:ILE:N	2:282:A:ILE:CA	2:282:A:ILE:C	12	1.28
(2,1)	1:2:B:ASP:C	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	14	1.26
(1,104)	2:320:A:GLU:N	2:320:A:GLU:CA	2:320:A:GLU:C	2:321:A:MET:N	9	1.25
(1,60)	2:292:A:ASN:N	2:292:A:ASN:CA	2:292:A:ASN:C	2:293:A:ALA:N	15	1.25
(1,24)	2:266:A:TRP:N	2:266:A:TRP:CA	2:266:A:TRP:C	2:267:A:ARG:N	18	1.23
(1,29)	2:268:A:ARG:C	2:269:A:PRO:N	2:269:A:PRO:CA	2:269:A:PRO:C	14	1.21
(1,120)	2:332:A:LEU:N	2:332:A:LEU:CA	2:332:A:LEU:C	2:333:A:TYR:N	2	1.16
(1,133)	2:340:A:PHE:C	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	14	1.13
(1,99)	2:316:A:GLY:C	2:317:A:ARG:N	2:317:A:ARG:CA	2:317:A:ARG:C	10	1.11
(1,36)	2:273:A:ARG:N	2:273:A:ARG:CA	2:273:A:ARG:C	2:274:A:ASN:N	2	1.08
(1,134)	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	2:342:A:PRO:N	11	1.06
(1,101)	2:317:A:ARG:C	2:318:A:ILE:N	2:318:A:ILE:CA	2:318:A:ILE:C	20	1.06
(2,2)	1:3:B:PRO:N	1:3:B:PRO:CA	1:3:B:PRO:C	1:4:B:LEU:N	18	1.05
(1,134)	2:341:A:LYS:N	2:341:A:LYS:CA	2:341:A:LYS:C	2:342:A:PRO:N	1	1.05