Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 12:56 PM UTC

PDB ID	:	7OLG / pdb_00007olg
BMRB ID	:	34629
Title	:	EB1 bound to MACF peptide
Authors	:	Almeida, T.B.; Barsukov, I.L.
Deposited on	:	2021-05-20

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

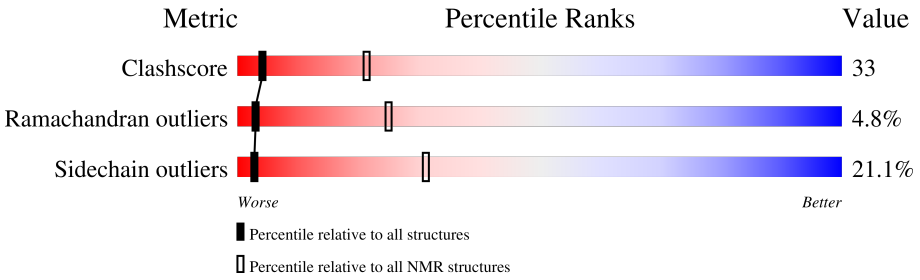
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (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 40%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	70	37% 39% 20% .
1	B	70	39% 37% 20% .
2	C	11	18% 27% 9% 45%
2	D	11	18% 27% 9% 45%

2 Ensemble composition and analysis

This entry contains 20 models. Model 6 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:192-A:258, B:192-B:258, C:5477-C:5482, D:5477-D:5482 (146)	0.67	6

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 5 clusters and 6 single-model clusters were found.

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

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 2624 atoms, of which 1314 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Microtubule-associated protein RP/EB family member 1.

Mol	Chain	Residues	Atoms						Trace
1	A	70	Total	C	H	N	O	S	0
			1116	355	551	90	118	2	
1	B	70	Total	C	H	N	O	S	0
			1116	355	551	90	118	2	

- Molecule 2 is a protein called 11MACF.

Mol	Chain	Residues	Atoms					Trace
2	C	11	Total	C	H	N	O	0
			196	57	106	18	15	
2	D	11	Total	C	H	N	O	0
			196	57	106	18	15	

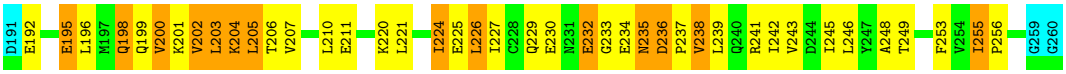
4 Residue-property plots (i)

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.

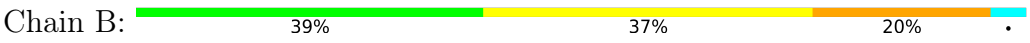
• Molecule 1: Microtubule-associated protein RP/EB family member 1

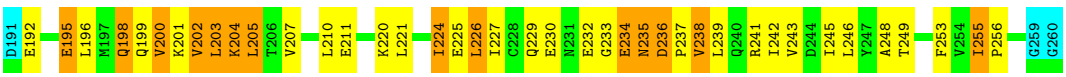
Chain A:



• Molecule 1: Microtubule-associated protein RP/EB family member 1

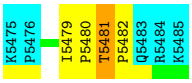
Chain B:





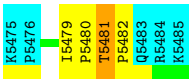
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

Chain D:



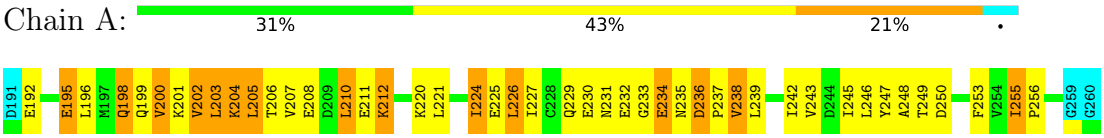
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

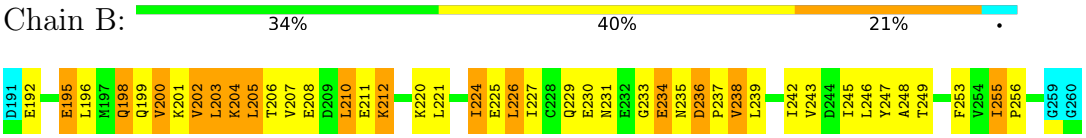
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



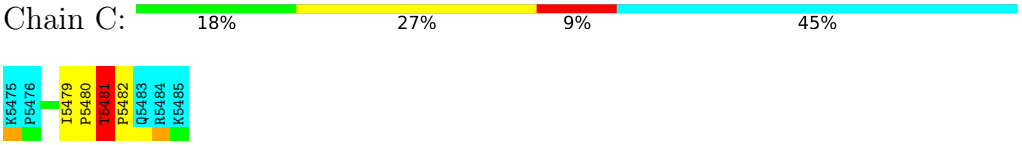
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



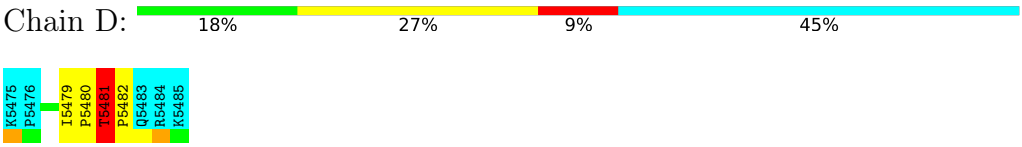
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

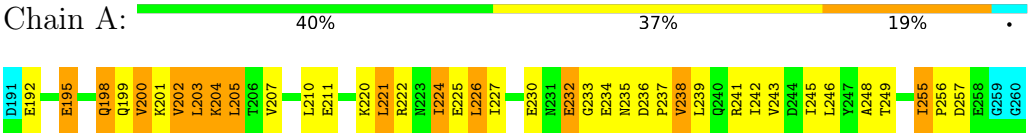
Chain D:



4.2.2 Score per residue for model 2

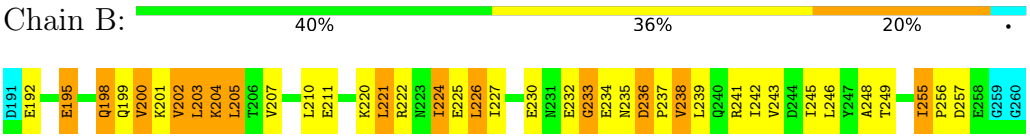
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



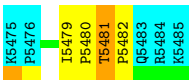
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



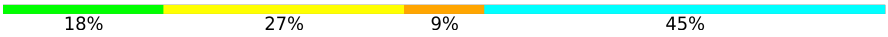
• Molecule 2: 11MACF

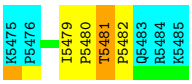
Chain C:



• Molecule 2: 11MACF

Chain D:

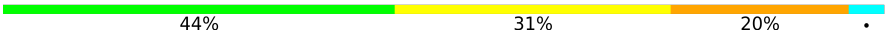


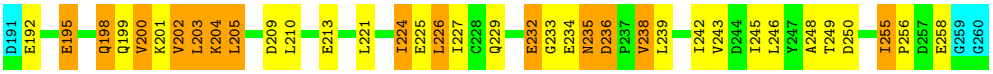


4.2.3 Score per residue for model 3

• Molecule 1: Microtubule-associated protein RP/EB family member 1

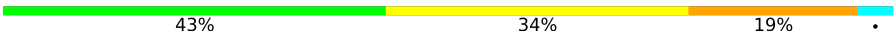
Chain A:





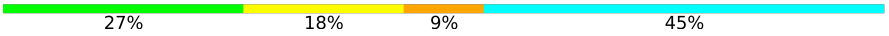
• Molecule 1: Microtubule-associated protein RP/EB family member 1

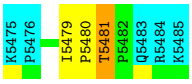
Chain B:



• Molecule 2: 11MACF

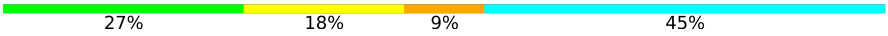
Chain C:

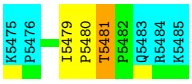




• Molecule 2: 11MACF

Chain D:

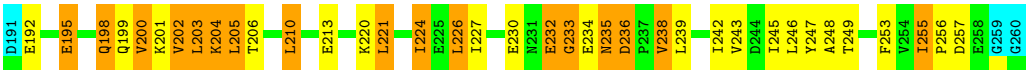




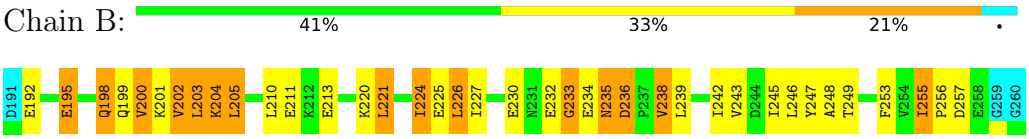
4.2.4 Score per residue for model 4

• Molecule 1: Microtubule-associated protein RP/EB family member 1

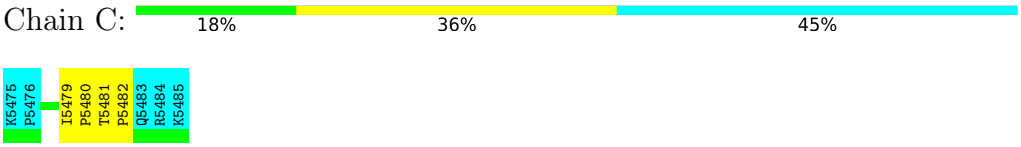
Chain A:



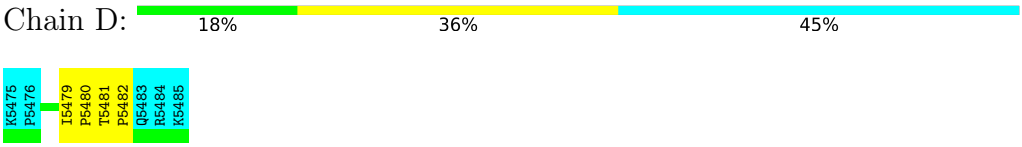
• Molecule 1: Microtubule-associated protein RP/EB family member 1



• Molecule 2: 11MACF

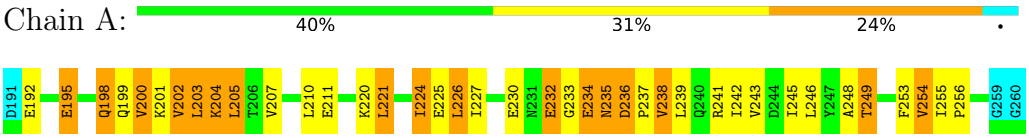


• Molecule 2: 11MACF

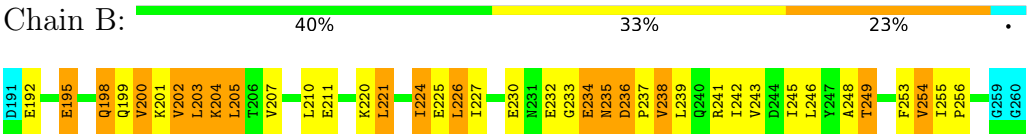


4.2.5 Score per residue for model 5

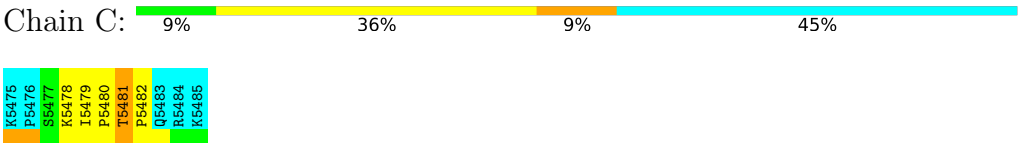
• Molecule 1: Microtubule-associated protein RP/EB family member 1



• Molecule 1: Microtubule-associated protein RP/EB family member 1

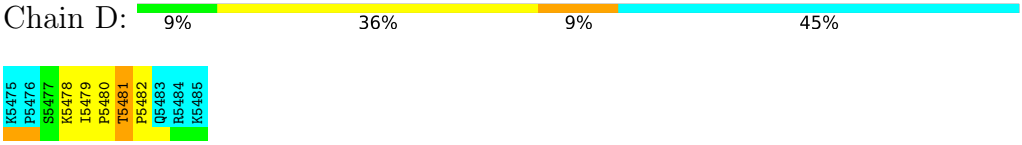


• Molecule 2: 11MACF



• Molecule 2: 11MACF

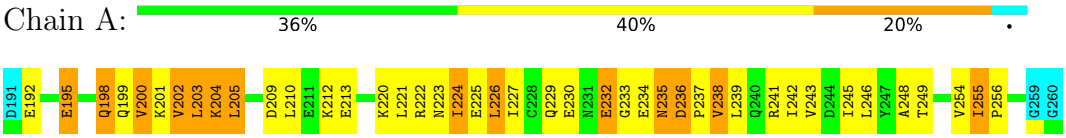
Chain D:



4.2.6 Score per residue for model 6 (medoid)

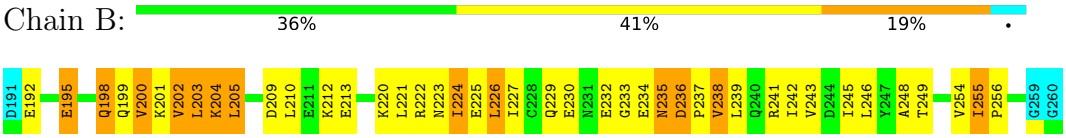
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



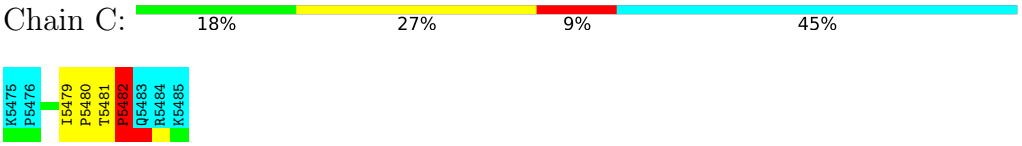
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



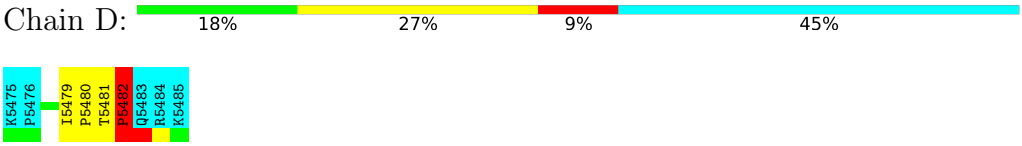
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

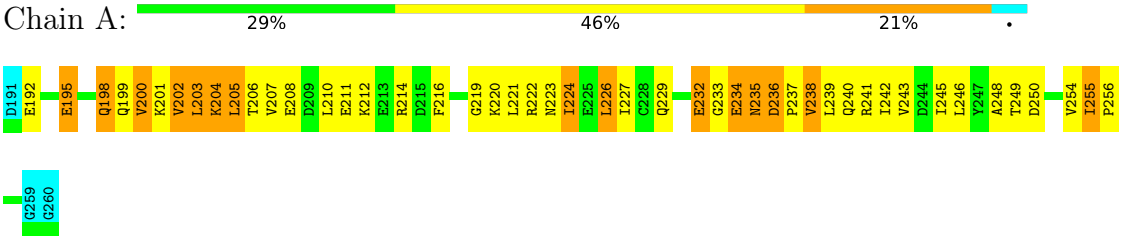
Chain D:



4.2.7 Score per residue for model 7

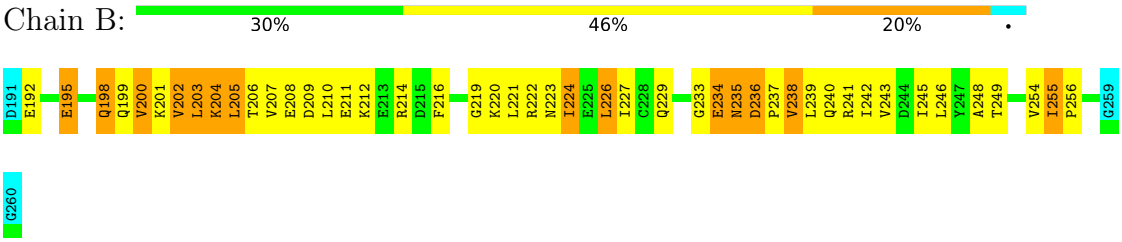
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



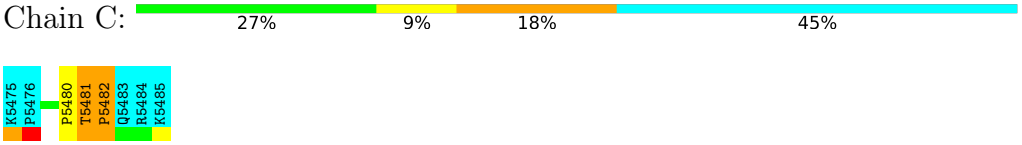
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



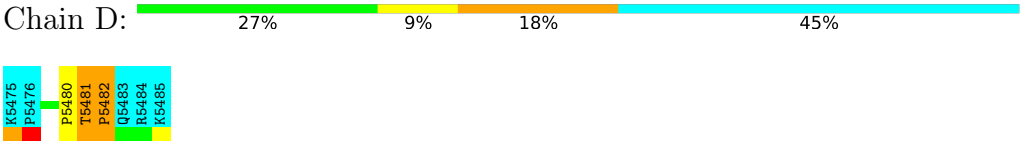
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

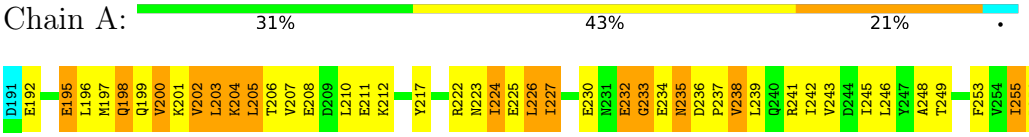
Chain D:



4.2.8 Score per residue for model 8

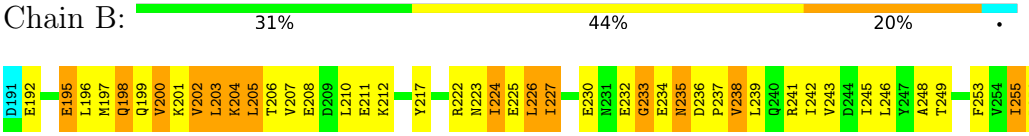
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



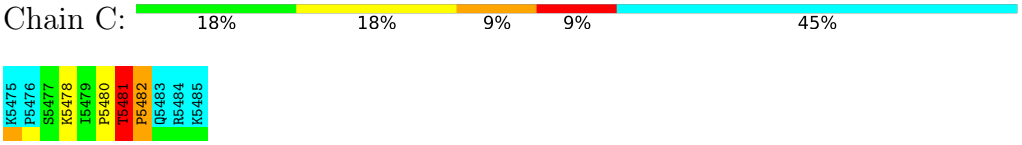
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



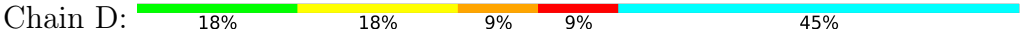
• Molecule 2: 11MACF

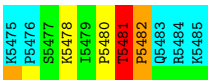
Chain C:



• Molecule 2: 11MACF

Chain D:

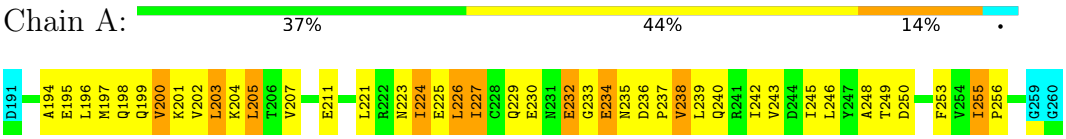




4.2.9 Score per residue for model 9

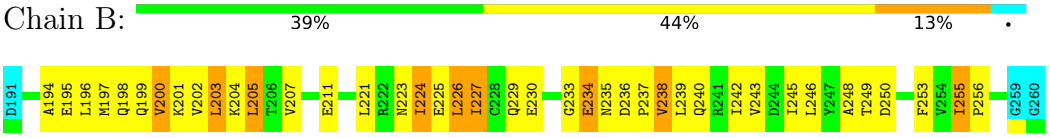
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



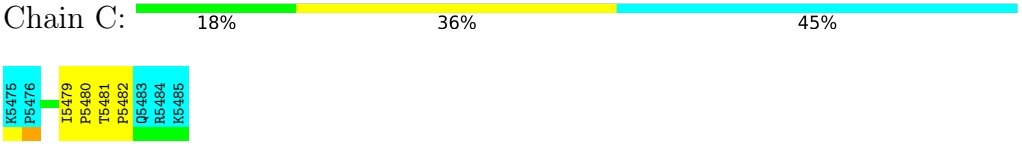
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



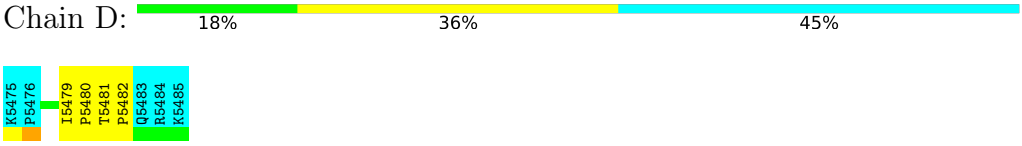
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

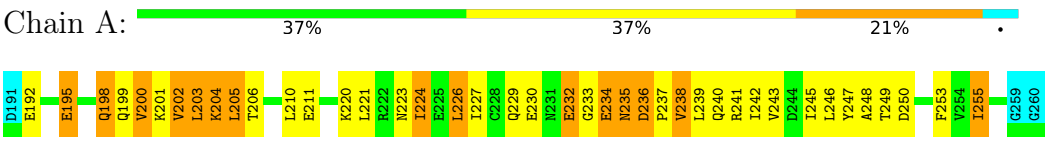
Chain D:



4.2.10 Score per residue for model 10

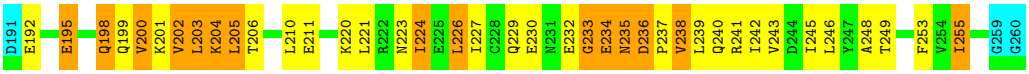
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



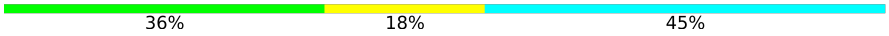
• Molecule 1: Microtubule-associated protein RP/EB family member 1

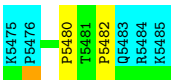
Chain B:



• Molecule 2: 11MACF

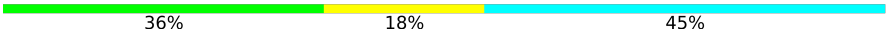
Chain C:

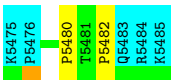




• Molecule 2: 11MACF

Chain D:

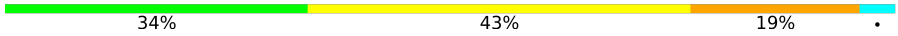




4.2.11 Score per residue for model 11

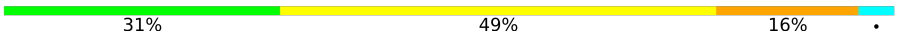
• Molecule 1: Microtubule-associated protein RP/EB family member 1

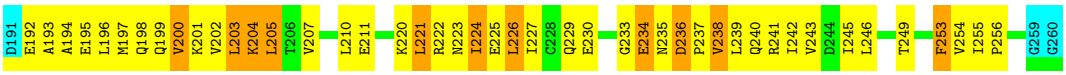
Chain A:



• Molecule 1: Microtubule-associated protein RP/EB family member 1

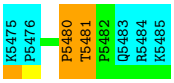
Chain B:





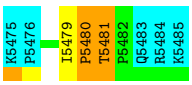
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

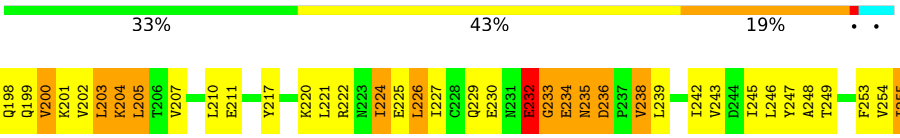
Chain D:



4.2.12 Score per residue for model 12

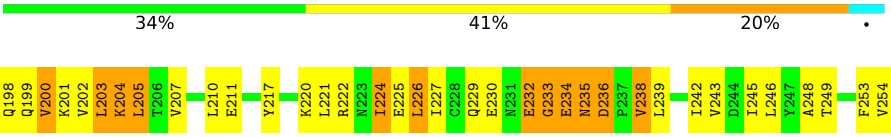
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



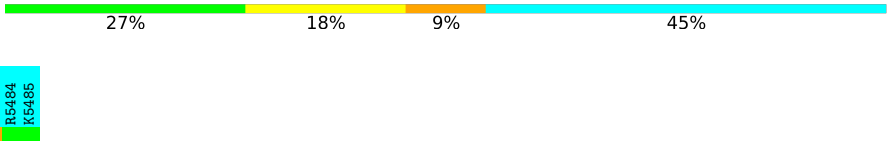
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



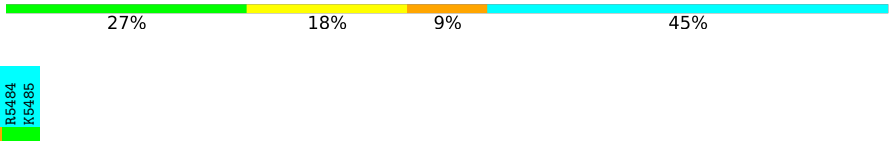
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

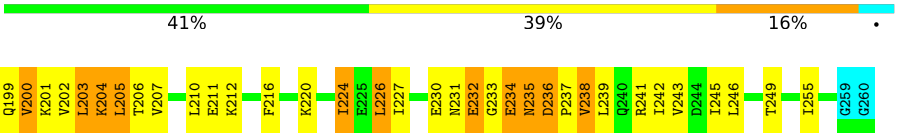
Chain D:



4.2.13 Score per residue for model 13

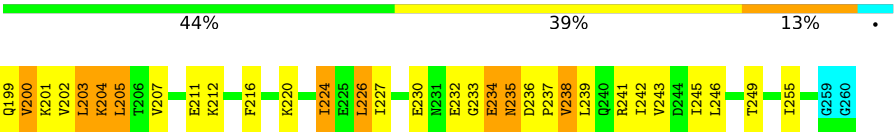
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:

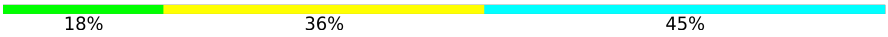


• Molecule 2: 11MACF

Chain C:

• Molecule 2: 11MACF

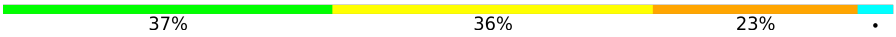
Chain D:

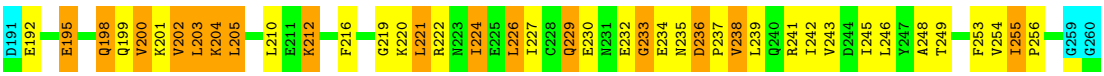


4.2.14 Score per residue for model 14

• Molecule 1: Microtubule-associated protein RP/EB family member 1

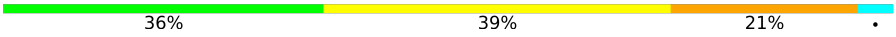
Chain A:

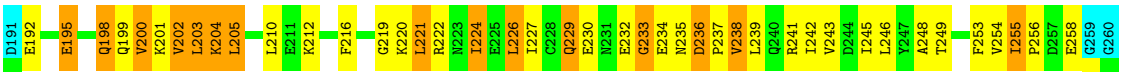




• Molecule 1: Microtubule-associated protein RP/EB family member 1

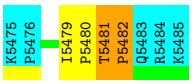
Chain B:





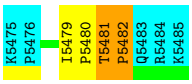
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

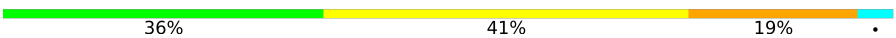
Chain D:

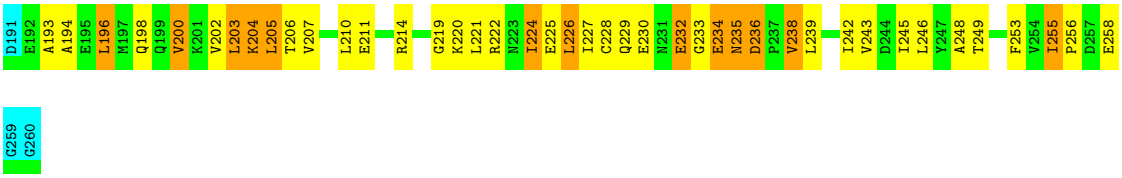


4.2.15 Score per residue for model 15

• Molecule 1: Microtubule-associated protein RP/EB family member 1

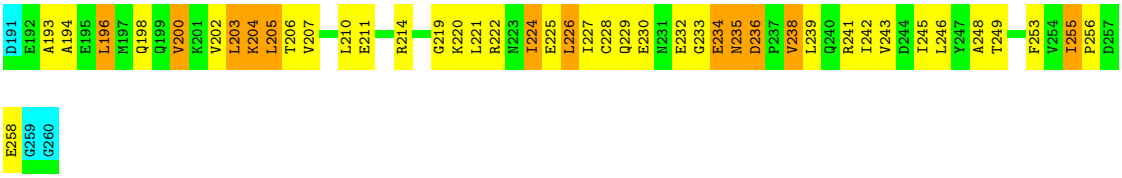
Chain A:





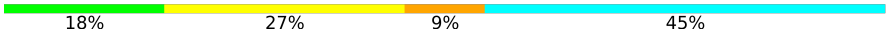
• Molecule 1: Microtubule-associated protein RP/EB family member 1

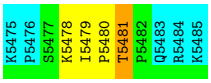
Chain B:



• Molecule 2: 11MACF

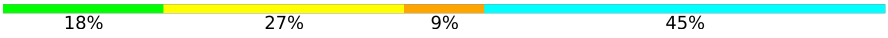
Chain C:

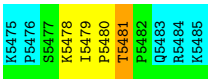




• Molecule 2: 11MACF

Chain D:

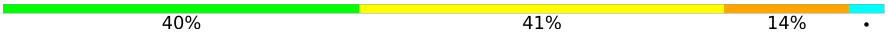




4.2.16 Score per residue for model 16

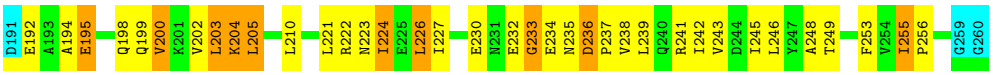
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



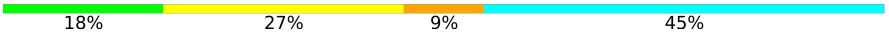
• Molecule 1: Microtubule-associated protein RP/EB family member 1

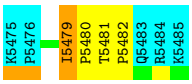
Chain B:



• Molecule 2: 11MACF

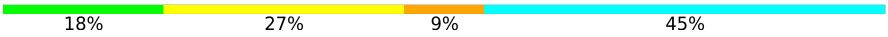
Chain C:

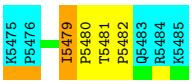




• Molecule 2: 11MACF

Chain D:

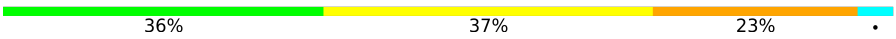




4.2.17 Score per residue for model 17

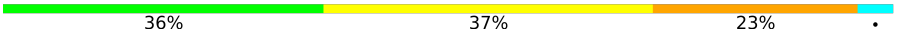
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



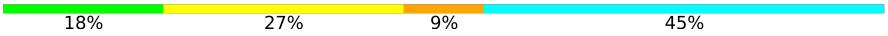
• Molecule 1: Microtubule-associated protein RP/EB family member 1

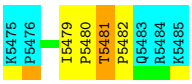
Chain B:



• Molecule 2: 11MACF

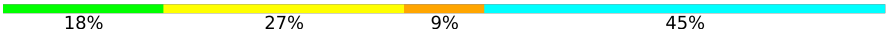
Chain C:

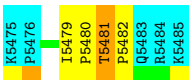




• Molecule 2: 11MACF

Chain D:

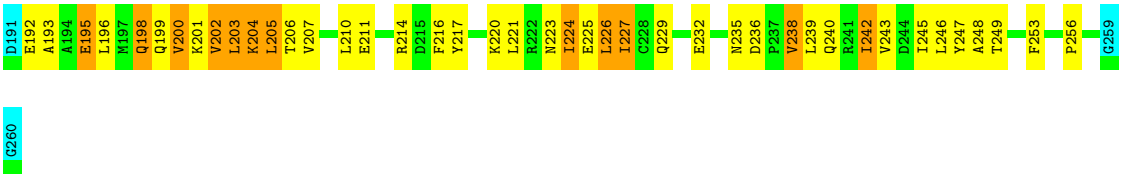




4.2.18 Score per residue for model 18

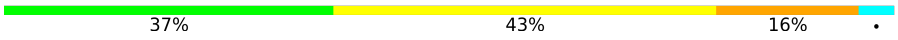
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



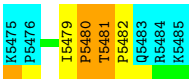
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



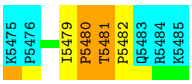
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

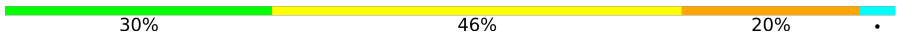
Chain D:

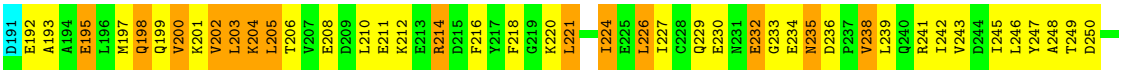


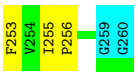
4.2.19 Score per residue for model 19

• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:

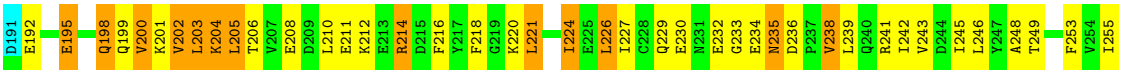






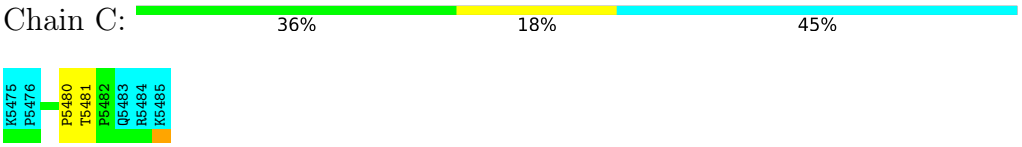
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



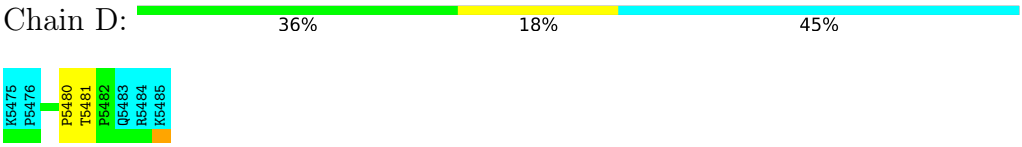
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

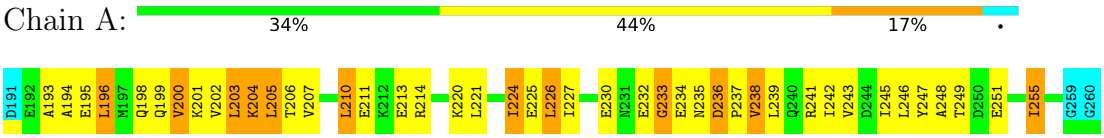
Chain D:



4.2.20 Score per residue for model 20

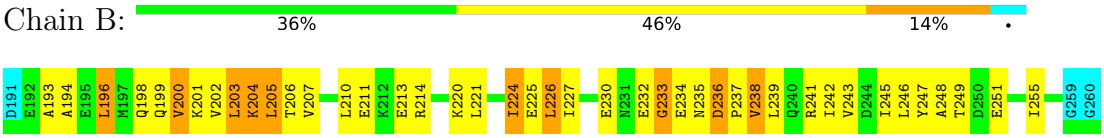
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain A:



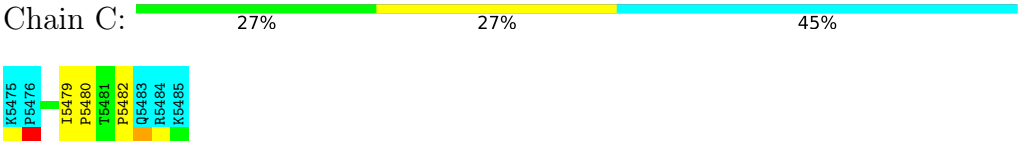
• Molecule 1: Microtubule-associated protein RP/EB family member 1

Chain B:



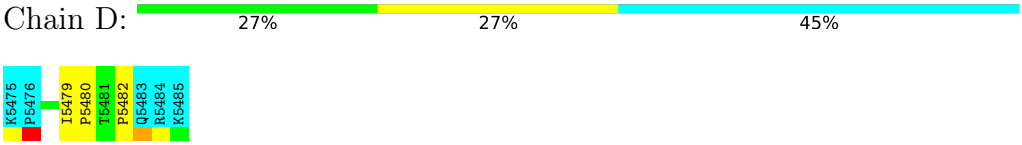
• Molecule 2: 11MACF

Chain C:



• Molecule 2: 11MACF

Chain D:



5 Refinement protocol and experimental data overview

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

Of the 160 calculated structures, 20 were deposited, based on the following criterion: *all calculated structures submitted*.

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

Software name	Classification	Version
CNS	refinement	
ARIA	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	849
Number of shifts mapped to atoms	849
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	40%

6 Model quality (i)

6.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.61±0.03	0±0/555 (0.0± 0.0%)	0.90±0.02	0±0/750 (0.0± 0.0%)
1	B	0.57±0.02	0±0/555 (0.0± 0.0%)	0.89±0.02	0±0/750 (0.0± 0.0%)
2	C	1.17±0.09	0±0/46 (0.3± 0.8%)	1.36±0.13	0±0/64 (0.1± 0.3%)
2	D	1.17±0.09	0±0/46 (0.3± 0.8%)	1.36±0.13	0±0/64 (0.1± 0.3%)
All	All	0.66	6/24040 (0.0%)	0.94	3/32560 (0.0%)

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
1	A	0.0±0.0	0.8±0.4
2	C	0.0±0.0	0.3±0.5
2	D	0.0±0.0	0.3±0.5
All	All	0	30

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	C	5482	PRO	N-CA	-6.12	1.39	1.47	6	2
2	D	5482	PRO	N-CA	-6.10	1.39	1.47	6	2
2	C	5481	THR	CA-C	-5.11	1.46	1.52	15	1
2	D	5481	THR	CA-C	-5.05	1.46	1.52	15	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	234	GLU	N-CA-C	-5.21	105.38	112.26	18	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
2	C	5479	ILE	N-CA-CB	5.01	115.15	109.99	16	1
2	D	5479	ILE	N-CA-CB	5.00	115.14	109.99	16	1

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)
1	A	232	GLU	Peptide	16
2	C	5481	THR	Peptide	7
2	D	5481	THR	Peptide	7

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	548	539	539	42±5
1	B	548	539	539	42±6
2	C	44	50	50	4±1
2	D	44	50	50	4±2
All	All	23680	23560	23560	1547

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 33.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:200:VAL:O	1:A:204:LYS:HG2	0.83	1.73	13	3
1:B:200:VAL:O	1:B:204:LYS:HG2	0.82	1.74	13	3
1:A:239:LEU:HD21	1:B:238:VAL:HG11	0.78	1.54	1	18
1:A:206:THR:O	1:A:210:LEU:HG	0.78	1.78	15	6
1:B:206:THR:O	1:B:210:LEU:HG	0.78	1.78	8	6
1:A:238:VAL:HG11	1:B:239:LEU:HD21	0.78	1.55	1	18
1:B:249:THR:HB	2:D:5480:PRO:CB	0.76	2.10	13	2
1:A:249:THR:HB	2:C:5480:PRO:CB	0.74	2.12	13	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:198:GLN:O	1:A:202:VAL:HG13	0.73	1.84	19	20
1:A:221:LEU:HD12	1:A:224:ILE:HD11	0.72	1.61	12	16
1:B:198:GLN:O	1:B:202:VAL:HG13	0.72	1.84	4	20
1:A:199:GLN:O	1:A:203:LEU:HD22	0.72	1.84	12	19
1:B:221:LEU:HD12	1:B:224:ILE:HD11	0.71	1.62	12	16
1:B:199:GLN:O	1:B:203:LEU:HD22	0.70	1.86	12	19
1:B:242:ILE:O	1:B:246:LEU:HG	0.70	1.87	8	20
1:A:249:THR:HG23	1:A:253:PHE:HB3	0.69	1.62	11	3
1:A:242:ILE:O	1:A:246:LEU:HG	0.69	1.87	8	20
1:B:256:PRO:HD3	2:D:5481:THR:OG1	0.69	1.88	11	16
1:B:249:THR:HG23	1:B:253:PHE:HB3	0.69	1.62	11	3
1:A:256:PRO:HD3	2:C:5481:THR:OG1	0.68	1.89	11	16
1:A:207:VAL:O	1:A:211:GLU:HG3	0.67	1.89	1	12
1:B:207:VAL:O	1:B:211:GLU:HG3	0.67	1.90	1	12
1:A:200:VAL:O	1:A:204:LYS:HB2	0.65	1.92	16	15
1:B:200:VAL:O	1:B:204:LYS:HB2	0.65	1.92	16	14
1:A:194:ALA:O	1:A:198:GLN:HG2	0.65	1.92	16	7
1:B:195:GLU:O	1:B:199:GLN:HG3	0.64	1.92	3	17
1:A:195:GLU:O	1:A:199:GLN:HG3	0.64	1.92	3	17
1:B:194:ALA:O	1:B:198:GLN:HG2	0.64	1.92	16	7
1:B:253:PHE:CE1	2:D:5480:PRO:HB2	0.64	2.27	4	6
1:B:249:THR:HB	2:D:5480:PRO:HB2	0.64	1.69	13	1
1:B:249:THR:OG1	2:D:5480:PRO:HG3	0.64	1.93	19	6
1:A:253:PHE:CE1	2:C:5480:PRO:HB2	0.63	2.28	4	6
1:A:204:LYS:NZ	1:B:203:LEU:HG	0.63	2.08	17	3
1:A:242:ILE:O	1:A:245:ILE:HB	0.63	1.94	6	20
1:B:208:GLU:O	1:B:212:LYS:HD3	0.63	1.94	7	2
1:B:249:THR:OG1	2:D:5480:PRO:HB3	0.63	1.93	11	8
1:B:242:ILE:O	1:B:245:ILE:HB	0.63	1.94	20	20
1:A:208:GLU:O	1:A:212:LYS:HD3	0.63	1.94	7	2
1:B:254:VAL:HB	2:D:5482:PRO:O	0.63	1.94	14	2
1:A:220:LYS:HE3	1:B:245:ILE:O	0.62	1.92	17	10
1:A:254:VAL:HB	2:C:5482:PRO:O	0.62	1.94	14	2
1:A:249:THR:OG1	2:C:5480:PRO:HG3	0.62	1.94	19	6
1:B:210:LEU:HD12	1:B:211:GLU:N	0.62	2.10	18	6
1:A:210:LEU:HD12	1:A:211:GLU:N	0.62	2.10	18	6
1:A:203:LEU:HG	1:B:204:LYS:NZ	0.61	2.10	5	3
1:A:245:ILE:O	1:B:220:LYS:HE3	0.61	1.95	17	10
1:A:239:LEU:O	1:A:243:VAL:HG22	0.61	1.95	3	20
1:B:249:THR:CB	2:D:5480:PRO:HB3	0.61	2.25	11	2
1:A:220:LYS:HE2	1:B:245:ILE:O	0.61	1.96	10	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:192:GLU:O	1:A:195:GLU:HG3	0.61	1.95	19	15
1:A:200:VAL:O	1:A:204:LYS:HD2	0.60	1.96	19	12
1:A:249:THR:HB	2:C:5480:PRO:HB2	0.60	1.72	13	1
1:B:192:GLU:O	1:B:195:GLU:HG3	0.59	1.96	19	15
1:B:239:LEU:O	1:B:243:VAL:HG22	0.59	1.96	3	20
1:A:249:THR:CB	2:C:5480:PRO:HB3	0.59	2.27	11	2
1:B:200:VAL:O	1:B:204:LYS:HD2	0.59	1.97	19	12
1:A:203:LEU:HB3	1:B:203:LEU:HB3	0.59	1.74	1	19
1:A:208:GLU:O	1:A:212:LYS:HB3	0.59	1.97	1	1
1:A:195:GLU:O	1:A:198:GLN:HG3	0.59	1.98	3	5
1:B:195:GLU:O	1:B:198:GLN:HG3	0.59	1.98	3	5
1:B:208:GLU:O	1:B:212:LYS:HB3	0.59	1.97	1	1
1:A:213:GLU:OE1	2:D:5482:PRO:HG3	0.58	1.98	4	1
1:A:249:THR:OG1	2:C:5480:PRO:HB3	0.58	1.98	11	8
1:A:213:GLU:CD	2:D:5482:PRO:HG3	0.58	2.24	4	1
1:A:245:ILE:O	1:B:220:LYS:HE2	0.57	1.99	10	3
1:A:198:GLN:O	1:A:201:LYS:HB2	0.57	2.00	6	17
1:A:220:LYS:HB3	1:B:245:ILE:HG23	0.57	1.74	19	2
1:A:221:LEU:HA	1:A:224:ILE:HD11	0.57	1.77	2	4
1:A:232:GLU:O	1:A:234:GLU:N	0.57	2.37	14	16
1:A:199:GLN:O	1:A:202:VAL:HG22	0.56	2.00	12	15
1:A:238:VAL:O	1:A:242:ILE:HG23	0.56	2.00	18	16
1:B:249:THR:HB	2:D:5480:PRO:HB3	0.56	1.78	12	2
1:A:226:LEU:O	1:A:230:GLU:HG3	0.56	2.00	20	17
1:B:210:LEU:O	1:B:214:ARG:HG2	0.56	1.99	18	1
1:B:221:LEU:HA	1:B:224:ILE:HD11	0.56	1.77	2	4
1:B:198:GLN:O	1:B:201:LYS:HB2	0.56	2.00	8	14
1:B:226:LEU:O	1:B:230:GLU:HG3	0.56	2.01	20	17
1:A:210:LEU:O	1:A:214:ARG:HG2	0.56	1.99	18	1
1:A:223:ASN:O	1:A:227:ILE:HG13	0.56	2.00	10	3
1:A:204:LYS:HA	1:A:204:LYS:HE2	0.55	1.78	13	15
1:A:198:GLN:O	1:A:201:LYS:HB3	0.55	2.00	4	2
1:B:238:VAL:O	1:B:242:ILE:HG23	0.55	2.01	18	16
1:B:232:GLU:O	1:B:234:GLU:N	0.55	2.39	14	10
1:B:199:GLN:O	1:B:202:VAL:HG22	0.55	2.01	12	14
1:A:237:PRO:O	1:A:241:ARG:HG2	0.55	2.01	14	9
1:A:203:LEU:CD2	1:B:204:LYS:HZ3	0.55	2.14	14	3
1:B:223:ASN:O	1:B:227:ILE:HG13	0.55	2.01	10	3
1:A:249:THR:HB	2:C:5480:PRO:HB3	0.55	1.79	12	2
1:B:225:GLU:HB2	2:D:5479:ILE:HD11	0.55	1.77	5	8
1:B:198:GLN:O	1:B:201:LYS:HB3	0.55	2.01	4	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:226:LEU:HD22	1:A:226:LEU:C	0.55	2.27	13	20
1:B:237:PRO:O	1:B:241:ARG:HG2	0.55	2.02	14	10
1:B:204:LYS:HE2	1:B:204:LYS:HA	0.54	1.79	13	15
1:A:234:GLU:O	1:A:236:ASP:N	0.54	2.41	6	19
1:A:225:GLU:HB2	2:C:5479:ILE:HD11	0.54	1.78	5	7
1:A:227:ILE:HD13	1:B:241:ARG:HG3	0.54	1.79	13	7
1:A:236:ASP:CG	1:A:237:PRO:HD2	0.54	2.28	13	2
1:A:245:ILE:HG23	1:B:220:LYS:HB3	0.54	1.78	7	2
1:B:234:GLU:O	1:B:236:ASP:N	0.54	2.41	13	19
1:B:236:ASP:CG	1:B:237:PRO:HD2	0.54	2.28	13	2
1:A:203:LEU:HG	1:B:204:LYS:HZ1	0.53	1.63	5	1
1:A:204:LYS:HZ1	1:B:203:LEU:HG	0.53	1.63	5	2
1:B:226:LEU:HD22	1:B:226:LEU:C	0.53	2.29	13	20
1:A:205:LEU:HD22	1:A:205:LEU:O	0.53	2.04	10	20
1:A:239:LEU:HD12	1:A:239:LEU:N	0.53	2.19	20	20
1:B:236:ASP:OD2	1:B:237:PRO:HD2	0.53	2.04	1	1
1:A:236:ASP:OD2	1:A:237:PRO:HD2	0.53	2.05	1	1
1:B:253:PHE:CD1	2:D:5480:PRO:HB2	0.52	2.39	4	2
1:B:249:THR:HB	2:D:5480:PRO:CG	0.52	2.34	12	1
1:A:203:LEU:CG	1:B:204:LYS:HZ3	0.52	2.17	14	2
1:A:214:ARG:HE	1:A:218:PHE:HB2	0.52	1.64	19	1
1:A:204:LYS:HZ3	1:B:203:LEU:CD2	0.52	2.16	17	3
1:B:254:VAL:HG12	2:D:5481:THR:O	0.52	2.05	12	1
1:B:214:ARG:HE	1:B:218:PHE:HB2	0.52	1.64	19	1
1:B:205:LEU:O	1:B:205:LEU:HD22	0.52	2.05	10	20
1:A:204:LYS:HZ3	1:B:203:LEU:CG	0.52	2.18	14	2
1:A:219:GLY:O	1:A:222:ARG:HG3	0.52	2.03	7	3
1:B:238:VAL:HG13	1:B:239:LEU:HD12	0.52	1.82	18	8
1:A:253:PHE:CD1	2:C:5480:PRO:HB2	0.52	2.39	4	2
1:B:239:LEU:N	1:B:239:LEU:HD12	0.51	2.21	20	16
1:A:195:GLU:O	1:A:198:GLN:HG2	0.51	2.05	19	7
1:A:204:LYS:NZ	1:B:203:LEU:HD21	0.51	2.21	16	2
1:B:219:GLY:O	1:B:222:ARG:HG3	0.51	2.04	7	3
1:A:237:PRO:HA	1:A:240:GLN:OE1	0.51	2.06	9	2
1:A:249:THR:HB	2:C:5480:PRO:CG	0.51	2.36	12	1
1:A:238:VAL:HG13	1:A:239:LEU:HD12	0.51	1.83	18	7
1:A:249:THR:HG21	1:A:255:ILE:HG13	0.51	1.82	16	14
1:B:217:TYR:O	1:B:221:LEU:HB2	0.51	2.06	12	1
1:B:237:PRO:HA	1:B:240:GLN:OE1	0.51	2.06	9	2
1:A:254:VAL:HG12	2:C:5481:THR:O	0.51	2.06	12	1
1:A:214:ARG:CZ	1:A:214:ARG:HA	0.51	2.36	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:214:ARG:CZ	1:B:214:ARG:HA	0.51	2.36	19	1
1:A:203:LEU:HD21	1:B:204:LYS:NZ	0.50	2.21	16	2
1:B:195:GLU:O	1:B:198:GLN:HG2	0.50	2.06	19	6
1:A:217:TYR:O	1:A:221:LEU:HB2	0.50	2.06	12	1
1:B:249:THR:HG21	1:B:255:ILE:HG13	0.49	1.83	3	14
1:A:204:LYS:HZ3	1:B:203:LEU:HG	0.49	1.68	14	2
1:A:200:VAL:O	1:A:204:LYS:HE3	0.49	2.08	16	2
1:B:253:PHE:CE2	2:D:5480:PRO:HB2	0.49	2.42	10	2
1:B:200:VAL:O	1:B:204:LYS:HE3	0.49	2.08	16	2
2:C:5481:THR:HB	2:C:5482:PRO:O	0.48	2.08	1	2
1:A:253:PHE:CE2	2:C:5480:PRO:HB2	0.48	2.43	10	2
1:B:213:GLU:HG2	2:C:5482:PRO:HG2	0.48	1.85	20	1
1:B:232:GLU:CD	1:B:233:GLY:H	0.48	2.15	12	1
1:A:214:ARG:HA	1:A:217:TYR:CD1	0.48	2.44	18	1
1:A:228:CYS:SG	1:A:246:LEU:HD11	0.48	2.48	15	1
1:B:225:GLU:HB3	2:D:5479:ILE:HD11	0.48	1.84	1	2
2:D:5481:THR:HB	2:D:5482:PRO:O	0.48	2.08	1	2
1:A:239:LEU:HA	1:A:242:ILE:HG12	0.48	1.85	4	5
1:B:254:VAL:HG11	2:D:5482:PRO:C	0.48	2.33	12	1
1:B:228:CYS:SG	1:B:246:LEU:HD11	0.48	2.49	15	1
1:B:214:ARG:HA	1:B:217:TYR:CD1	0.48	2.44	18	1
1:A:205:LEU:HD22	1:A:205:LEU:C	0.48	2.34	14	19
2:C:5479:ILE:HG23	2:C:5480:PRO:HD2	0.48	1.85	15	5
1:A:225:GLU:HB3	2:C:5479:ILE:HD11	0.48	1.84	1	2
1:B:213:GLU:OE1	2:C:5482:PRO:HG3	0.48	2.09	4	1
1:B:257:ASP:O	2:D:5478:LYS:HD3	0.48	2.08	8	1
1:A:221:LEU:HD11	1:B:221:LEU:HD11	0.48	1.83	18	1
2:D:5479:ILE:HG23	2:D:5480:PRO:HD2	0.48	1.85	15	4
1:A:198:GLN:HA	1:A:201:LYS:HD3	0.48	1.84	17	3
1:A:213:GLU:HG2	2:D:5482:PRO:HG2	0.48	1.85	20	1
1:A:210:LEU:HD12	1:A:210:LEU:C	0.48	2.34	20	3
1:A:210:LEU:HB3	1:B:210:LEU:HB3	0.47	1.86	1	9
1:B:239:LEU:HA	1:B:242:ILE:HG12	0.47	1.86	4	5
1:B:205:LEU:HD22	1:B:205:LEU:C	0.47	2.35	14	19
1:A:257:ASP:O	2:C:5478:LYS:HD3	0.47	2.08	8	1
1:B:217:TYR:OH	2:C:5482:PRO:HD3	0.47	2.09	8	1
1:B:204:LYS:HZ2	1:B:204:LYS:N	0.47	2.08	5	2
1:B:209:ASP:O	1:B:213:GLU:HG3	0.47	2.10	6	1
1:A:209:ASP:O	1:A:213:GLU:HG3	0.47	2.10	6	1
1:B:226:LEU:O	1:B:229:GLN:HG2	0.47	2.10	19	9
1:B:239:LEU:HD12	1:B:239:LEU:N	0.47	2.25	6	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:210:LEU:HD21	1:B:211:GLU:HG2	0.47	1.85	19	3
1:A:226:LEU:O	1:A:229:GLN:HG2	0.47	2.10	19	9
1:A:222:ARG:HD3	1:A:222:ARG:C	0.46	2.36	16	3
1:A:203:LEU:HG	1:B:204:LYS:HZ3	0.46	1.70	14	1
1:B:198:GLN:HA	1:B:201:LYS:HD3	0.46	1.85	17	3
1:A:196:LEU:HD22	1:B:197:MET:HA	0.46	1.86	8	1
1:B:210:LEU:HD12	1:B:210:LEU:C	0.46	2.35	20	3
1:B:216:PHE:CE2	1:B:220:LYS:HD2	0.46	2.45	14	2
1:A:221:LEU:HA	1:A:224:ILE:CD1	0.46	2.40	20	4
1:B:221:LEU:HA	1:B:224:ILE:CD1	0.46	2.40	20	4
1:A:239:LEU:HD12	1:A:239:LEU:H	0.46	1.70	7	4
1:A:216:PHE:CE2	1:A:220:LYS:HD2	0.46	2.45	14	2
1:A:213:GLU:CD	1:B:214:ARG:HD3	0.46	2.35	17	1
1:A:240:GLN:NE2	1:A:240:GLN:N	0.46	2.64	10	5
1:A:204:LYS:HZ1	1:B:203:LEU:HD21	0.46	1.68	16	1
1:A:204:LYS:HZ2	1:A:204:LYS:N	0.46	2.09	5	2
1:B:255:ILE:HG23	2:D:5478:LYS:O	0.46	2.10	15	1
1:B:208:GLU:O	1:B:212:LYS:HG3	0.46	2.11	19	1
1:A:208:GLU:O	1:A:212:LYS:HG3	0.46	2.11	19	1
2:C:5479:ILE:CG2	2:C:5480:PRO:HD2	0.46	2.41	14	5
1:B:239:LEU:HD12	1:B:239:LEU:H	0.46	1.70	7	4
1:A:206:THR:HG22	1:A:210:LEU:HD22	0.45	1.87	1	2
2:D:5479:ILE:CG2	2:D:5480:PRO:HD2	0.45	2.41	14	5
1:B:224:ILE:HD12	1:B:246:LEU:CD2	0.45	2.41	13	3
1:A:213:GLU:HG2	2:D:5482:PRO:CG	0.45	2.42	20	1
1:A:203:LEU:HD21	1:B:204:LYS:HZ3	0.45	1.70	14	2
1:A:255:ILE:HG23	2:C:5478:LYS:O	0.45	2.10	15	1
1:A:239:LEU:HD11	1:B:239:LEU:HD11	0.45	1.89	9	1
1:A:226:LEU:HD22	1:A:227:ILE:N	0.45	2.27	15	1
1:A:247:TYR:C	1:A:249:THR:H	0.45	2.20	20	9
1:B:202:VAL:HG23	1:B:203:LEU:HD13	0.45	1.88	12	3
1:A:204:LYS:NZ	1:B:203:LEU:CG	0.45	2.80	17	2
1:A:254:VAL:HG11	2:C:5482:PRO:C	0.45	2.37	12	1
1:A:203:LEU:HD21	1:B:204:LYS:HZ1	0.45	1.69	16	1
1:A:206:THR:O	1:A:210:LEU:HB2	0.45	2.11	17	3
1:A:224:ILE:HD12	1:A:246:LEU:CD2	0.45	2.41	13	3
1:B:249:THR:HB	2:D:5480:PRO:HG3	0.45	1.89	12	1
1:A:238:VAL:HG22	1:A:239:LEU:HD12	0.45	1.88	17	1
1:B:206:THR:HG22	1:B:210:LEU:HD22	0.44	1.88	1	1
1:A:222:ARG:HD3	1:A:223:ASN:N	0.44	2.27	7	4
1:B:235:ASN:ND2	1:B:240:GLN:HE22	0.44	2.09	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:232:GLU:HG3	1:B:233:GLY:H	0.44	1.72	17	8
1:A:217:TYR:OH	2:D:5482:PRO:HD3	0.44	2.12	8	1
1:B:222:ARG:HD3	1:B:222:ARG:C	0.44	2.38	16	2
1:A:214:ARG:HD3	1:B:213:GLU:CD	0.44	2.37	17	1
1:A:232:GLU:O	1:A:235:ASN:N	0.44	2.50	6	10
1:A:216:PHE:O	1:A:220:LYS:HG2	0.44	2.12	7	2
1:B:249:THR:OG1	2:D:5480:PRO:CB	0.44	2.63	11	2
1:A:205:LEU:O	1:A:208:GLU:HG2	0.44	2.12	1	1
1:B:225:GLU:CG	2:D:5479:ILE:HD11	0.44	2.42	3	1
1:B:232:GLU:O	1:B:235:ASN:N	0.44	2.50	5	11
1:A:241:ARG:HG3	1:B:227:ILE:HD13	0.44	1.89	16	5
1:A:235:ASN:ND2	1:A:240:GLN:HE22	0.44	2.10	7	1
1:B:216:PHE:O	1:B:220:LYS:HG2	0.44	2.13	7	2
1:B:212:LYS:O	1:B:216:PHE:HB2	0.44	2.13	13	1
1:B:226:LEU:HD22	1:B:227:ILE:N	0.44	2.27	15	1
1:B:213:GLU:HG2	2:C:5482:PRO:CG	0.44	2.43	20	1
1:A:197:MET:HA	1:B:196:LEU:HD22	0.44	1.87	8	1
1:B:206:THR:O	1:B:210:LEU:HB2	0.44	2.12	17	2
1:A:225:GLU:HG3	1:A:226:LEU:N	0.44	2.28	1	1
1:A:236:ASP:OD1	1:A:237:PRO:HD2	0.44	2.13	7	1
1:A:212:LYS:O	1:A:216:PHE:HB2	0.44	2.13	13	1
1:A:203:LEU:CG	1:B:204:LYS:NZ	0.43	2.81	17	3
1:B:222:ARG:HD3	1:B:223:ASN:N	0.43	2.28	7	4
1:B:205:LEU:O	1:B:208:GLU:HG2	0.43	2.13	1	1
1:B:236:ASP:OD1	1:B:237:PRO:HD2	0.43	2.13	7	1
1:A:202:VAL:HG23	1:A:203:LEU:HD13	0.43	1.89	12	3
1:B:240:GLN:N	1:B:240:GLN:NE2	0.43	2.67	10	5
1:B:238:VAL:HG22	1:B:239:LEU:HD12	0.43	1.90	17	1
1:B:225:GLU:HG3	1:B:226:LEU:N	0.43	2.29	1	1
1:A:225:GLU:CG	2:C:5479:ILE:HD11	0.43	2.42	3	1
1:A:232:GLU:HG3	1:A:233:GLY:H	0.43	1.73	11	7
1:A:222:ARG:HD2	1:A:222:ARG:C	0.43	2.38	14	2
1:A:203:LEU:HG	1:B:203:LEU:HB3	0.43	1.89	14	1
1:B:197:MET:O	1:B:201:LYS:HG3	0.43	2.13	11	4
1:B:246:LEU:O	2:D:5480:PRO:HD2	0.43	2.13	11	1
1:A:249:THR:HB	2:C:5480:PRO:HG3	0.43	1.90	12	1
1:A:211:GLU:HG2	1:B:210:LEU:HD21	0.43	1.89	19	1
1:A:221:LEU:HD12	1:A:224:ILE:CD1	0.43	2.42	15	4
1:B:214:ARG:NE	1:B:218:PHE:HB2	0.43	2.29	19	1
1:A:197:MET:O	1:A:201:LYS:HG3	0.43	2.13	12	4
1:B:255:ILE:O	1:B:258:GLU:HB2	0.43	2.14	12	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:193:ALA:HA	1:A:196:LEU:HB2	0.43	1.91	11	4
1:A:255:ILE:O	1:A:258:GLU:HB2	0.43	2.14	12	2
1:A:216:PHE:O	1:A:220:LYS:HG3	0.43	2.14	17	1
1:A:214:ARG:NE	1:A:218:PHE:HB2	0.43	2.28	19	1
1:B:204:LYS:NZ	1:B:204:LYS:N	0.42	2.67	5	3
1:B:226:LEU:HA	1:B:229:GLN:HB3	0.42	1.90	14	1
1:A:196:LEU:HB3	1:B:196:LEU:HB3	0.42	1.91	1	2
1:A:239:LEU:O	1:A:243:VAL:HG13	0.42	2.14	11	3
1:B:222:ARG:HD2	1:B:222:ARG:C	0.42	2.39	15	2
1:B:216:PHE:O	1:B:220:LYS:HG3	0.42	2.14	17	1
1:A:209:ASP:O	1:A:213:GLU:HG2	0.42	2.15	3	1
1:B:209:ASP:O	1:B:213:GLU:HG2	0.42	2.14	3	1
1:A:246:LEU:O	2:C:5480:PRO:HD2	0.42	2.14	11	1
1:A:226:LEU:HA	1:A:229:GLN:HB3	0.42	1.90	14	1
1:A:249:THR:HG22	1:A:250:ASP:N	0.42	2.30	3	7
1:B:221:LEU:HD12	1:B:224:ILE:CD1	0.42	2.43	15	4
1:A:221:LEU:HA	1:A:224:ILE:HG13	0.42	1.92	7	3
1:A:226:LEU:O	1:A:229:GLN:HB2	0.42	2.14	7	1
1:A:222:ARG:O	1:A:225:GLU:HB3	0.42	2.14	12	2
1:B:247:TYR:C	1:B:249:THR:H	0.42	2.22	20	4
1:A:204:LYS:HA	1:A:204:LYS:CE	0.42	2.45	17	3
1:B:222:ARG:O	1:B:225:GLU:HB3	0.42	2.15	12	2
1:B:193:ALA:HA	1:B:196:LEU:HB2	0.42	1.90	15	4
1:A:226:LEU:O	1:A:229:GLN:HB3	0.42	2.14	14	1
1:A:223:ASN:O	1:A:227:ILE:HD12	0.42	2.15	8	2
1:B:221:LEU:HA	1:B:224:ILE:HG13	0.42	1.92	7	2
1:B:223:ASN:O	1:B:227:ILE:HD12	0.42	2.15	8	2
1:A:205:LEU:HD13	1:A:206:THR:N	0.42	2.30	19	1
1:B:205:LEU:HD13	1:B:206:THR:N	0.42	2.30	19	1
1:B:239:LEU:O	1:B:243:VAL:HG13	0.42	2.14	11	3
1:A:193:ALA:HB1	1:B:196:LEU:HD12	0.42	1.91	18	1
1:A:231:ASN:O	1:A:234:GLU:HG2	0.42	2.15	1	2
1:A:204:LYS:NZ	1:A:204:LYS:N	0.42	2.68	5	2
1:A:232:GLU:CD	1:A:233:GLY:H	0.41	2.23	12	1
1:A:212:LYS:HD3	2:D:5482:PRO:HG3	0.41	1.93	14	1
1:B:226:LEU:O	1:B:229:GLN:HB2	0.41	2.15	7	1
1:A:236:ASP:HB3	1:A:239:LEU:HD13	0.41	1.91	9	1
1:B:236:ASP:HB3	1:B:239:LEU:HD13	0.41	1.91	9	1
1:B:225:GLU:HB2	2:D:5479:ILE:CD1	0.41	2.46	11	1
1:A:193:ALA:O	1:A:197:MET:HG2	0.41	2.16	19	1
1:B:213:GLU:CD	2:C:5482:PRO:HG3	0.41	2.41	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:195:GLU:O	1:B:198:GLN:HB2	0.41	2.16	9	3
1:A:210:LEU:HD11	1:B:210:LEU:HD11	0.41	1.91	20	1
1:B:226:LEU:O	1:B:229:GLN:HB3	0.41	2.16	14	1
1:B:204:LYS:N	1:B:204:LYS:HZ2	0.41	2.13	17	1
1:B:204:LYS:CE	1:B:204:LYS:HA	0.41	2.46	17	1
1:B:249:THR:HG22	1:B:250:ASP:N	0.40	2.31	3	2
1:A:207:VAL:O	1:A:211:GLU:HB2	0.40	2.16	7	1
1:B:231:ASN:O	1:B:234:GLU:HG2	0.40	2.16	1	1
1:A:204:LYS:HZ3	1:B:203:LEU:HD21	0.40	1.75	17	1
1:A:196:LEU:HD12	1:B:193:ALA:HB1	0.40	1.93	18	1
1:B:226:LEU:HA	1:B:229:GLN:CB	0.40	2.47	14	1
1:B:207:VAL:O	1:B:211:GLU:HB2	0.40	2.16	7	1
1:B:208:GLU:HG3	1:B:209:ASP:N	0.40	2.31	7	1
1:A:204:LYS:HE2	1:A:204:LYS:CA	0.40	2.43	13	1
1:A:198:GLN:HA	1:A:201:LYS:HE2	0.40	1.92	18	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	67/70 (96%)	62±1 (92±2%)	2±2 (3±2%)	3±0 (4±0%)	3	28
1	B	67/70 (96%)	62±1 (93±2%)	2±2 (3±2%)	3±0 (4±1%)	3	28
2	C	6/11 (55%)	4±1 (67±13%)	1±1 (23±11%)	1±1 (10±10%)	1	9
2	D	6/11 (55%)	4±1 (67±13%)	1±1 (23±11%)	1±1 (10±10%)	1	9
All	All	2920/3240 (90%)	2644 (91%)	137 (5%)	139 (5%)	3	25

All 11 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	235	ASN	20
1	B	235	ASN	20
1	A	233	GLY	19

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Mol	Chain	Res	Type	Models (Total)
1	B	233	GLY	19
1	A	248	ALA	18
1	B	248	ALA	18
2	C	5482	PRO	10
2	D	5482	PRO	10
2	C	5480	PRO	2
2	D	5480	PRO	2
1	A	232	GLU	1

6.3.2 Protein sidechains

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	61/62 (98%)	47±2 (77±3%)	14±2 (23±3%)	2 29
1	B	61/62 (98%)	47±2 (78±4%)	14±2 (22±4%)	2 29
2	C	6/11 (55%)	6±1 (92±10%)	0±1 (8±10%)	14 62
2	D	6/11 (55%)	6±1 (92±10%)	0±1 (8±10%)	14 62
All	All	2680/2920 (92%)	2114 (79%)	566 (21%)	3 31

All 61 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	200	VAL	20
1	A	203	LEU	20
1	A	205	LEU	20
1	A	224	ILE	20
1	A	226	LEU	20
1	A	238	VAL	20
1	B	200	VAL	20
1	B	203	LEU	20
1	B	205	LEU	20
1	B	224	ILE	20
1	B	226	LEU	20
1	B	238	VAL	20
1	A	204	LYS	19

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Mol	Chain	Res	Type	Models (Total)
1	A	255	ILE	19
1	B	204	LYS	19
1	B	255	ILE	18
1	A	236	ASP	16
1	B	236	ASP	16
1	A	195	GLU	14
1	B	195	GLU	14
1	A	198	GLN	13
1	A	202	VAL	13
1	A	227	ILE	13
1	B	198	GLN	13
1	B	202	VAL	13
1	B	227	ILE	13
1	A	234	GLU	10
1	B	234	GLU	10
2	C	5481	THR	7
2	D	5481	THR	7
1	A	221	LEU	6
1	B	221	LEU	6
1	A	214	ARG	5
1	B	214	ARG	5
1	A	196	LEU	5
1	B	196	LEU	5
1	A	210	LEU	3
1	A	212	LYS	3
1	B	212	LYS	3
1	B	258	GLU	3
1	A	253	PHE	3
1	B	253	PHE	3
1	B	210	LEU	2
1	A	257	ASP	2
1	B	257	ASP	2
1	A	229	GLN	2
1	A	258	GLU	2
1	B	229	GLN	2
1	A	254	VAL	2
1	B	254	VAL	2
2	C	5478	LYS	2
2	D	5478	LYS	2
1	A	249	THR	1
1	B	249	THR	1
1	A	220	LYS	1

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Mol	Chain	Res	Type	Models (Total)
1	B	220	LYS	1
1	A	232	GLU	1
1	B	232	GLU	1
1	A	242	ILE	1
1	A	251	GLU	1
1	B	251	GLU	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 40% for the well-defined parts and 37% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

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	849
Number of shifts mapped to atoms	849
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	66	-0.40 ± 0.13	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	61	0.16 ± 0.11	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	65	-0.28 ± 0.15	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 40%, i.e. 815 atoms were assigned a chemical shift out of a possible 2056. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	265/720 (37%)	139/290 (48%)	63/292 (22%)	63/138 (46%)
Sidechain	504/1240 (41%)	348/798 (44%)	149/400 (37%)	7/42 (17%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	46/96 (48%)	23/46 (50%)	23/50 (46%)	0/0 (—%)
Overall	815/2056 (40%)	510/1134 (45%)	235/742 (32%)	70/180 (39%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 37%, i.e. 849 atoms were assigned a chemical shift out of a possible 2270. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	279/800 (35%)	148/324 (46%)	66/324 (20%)	65/152 (43%)
Sidechain	524/1374 (38%)	367/880 (42%)	150/440 (34%)	7/54 (13%)
Aromatic	46/96 (48%)	23/46 (50%)	23/50 (46%)	0/0 (—%)
Overall	849/2270 (37%)	538/1250 (43%)	239/814 (29%)	72/206 (35%)

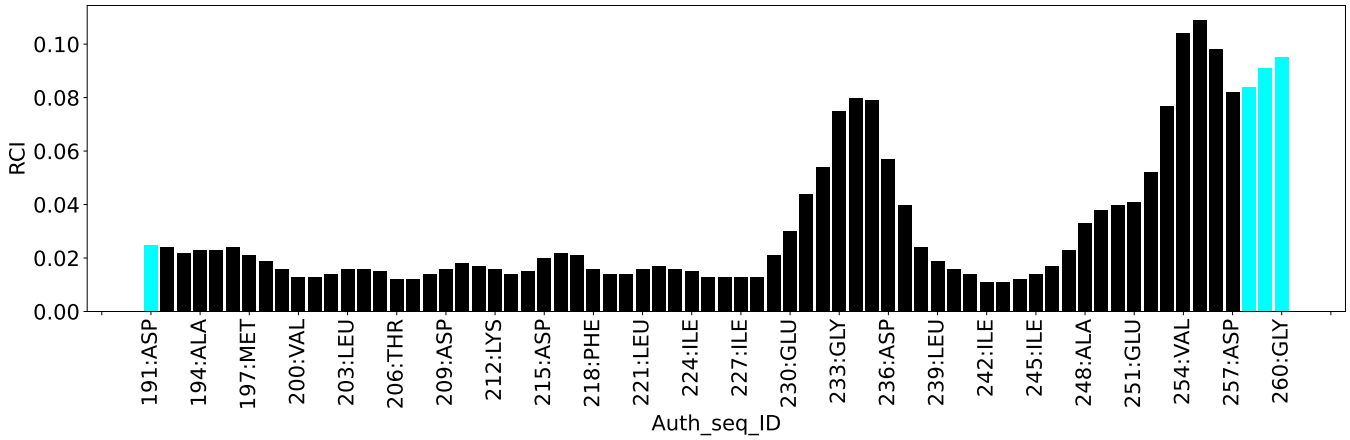
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

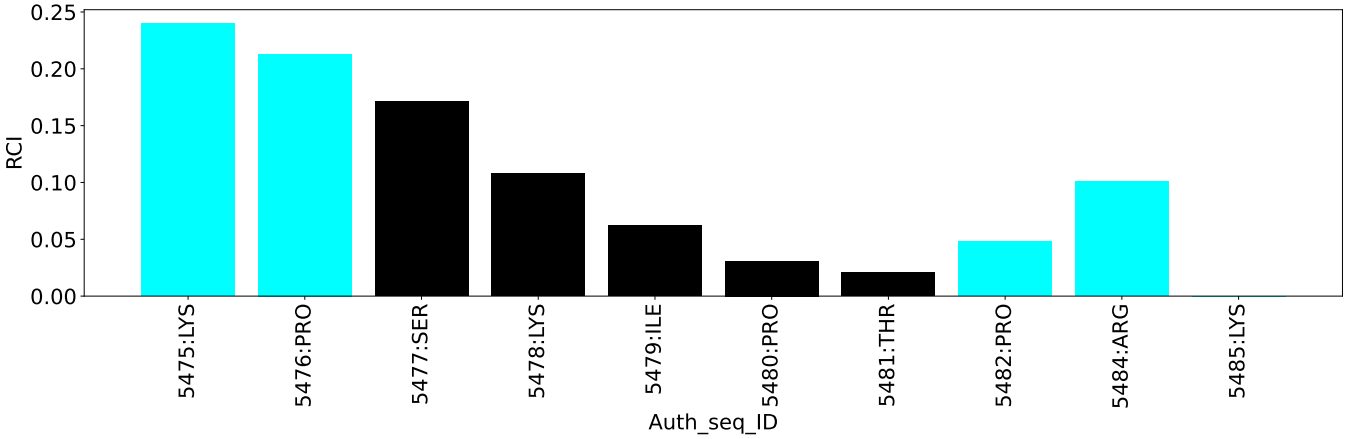
7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



Random coil index (RCI) for chain C:


0.25
0.20
0.15
0.10
0.05
0.00
RCI
5475:LYS
5476:PRO
5477:SER
5478:LYS
5479:ILE
5480:PRO
5481:THR
5482:PRO
5484:ARG
5485:LYS
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3863
Intra-residue (|i-j|=0)	1066
Sequential (|i-j|=1)	780
Medium range (|i-j|>1 and |i-j|<5)	1001
Long range (|i-j|≥5)	121
Inter-chain	895
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	23.8
Number of long range restraints per residue[1]	0.7

[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)	125.1	0.2
0.2-0.5 (Medium)	269.8	0.5
>0.5 (Large)	340.9	5.18

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

Dihedral-angle violations less than 1° are not included in the calculation.There are no dihedral-angle violations

9 Distance violation analysis (i)

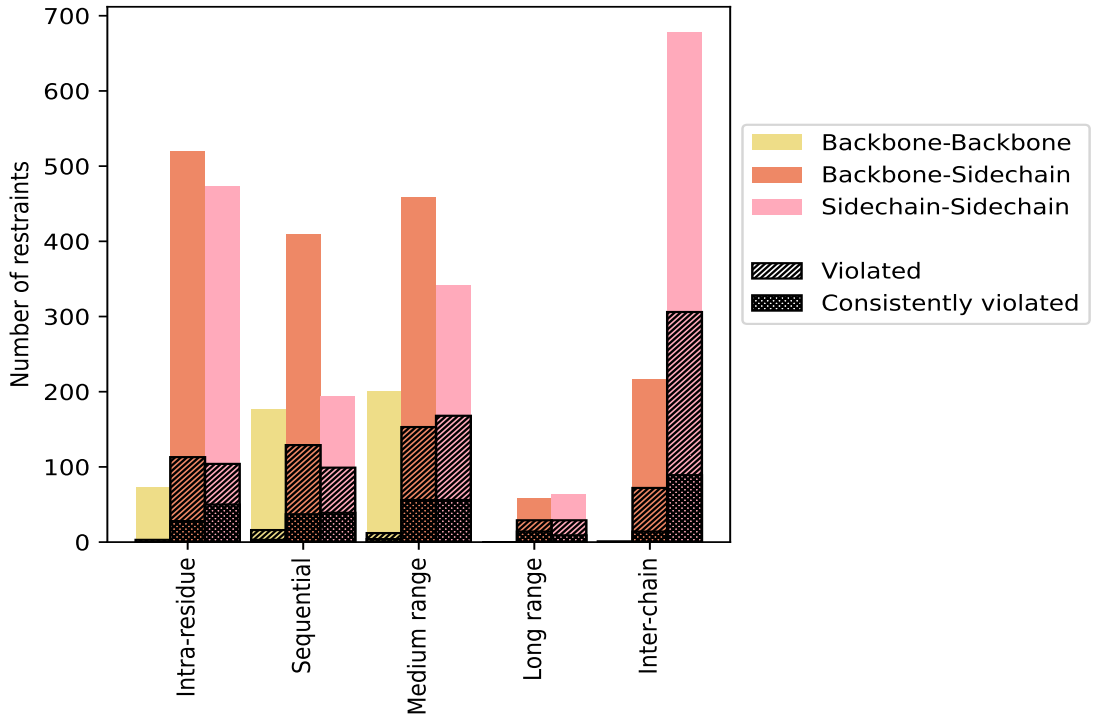
9.1 Summary of distance violations (i)

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)	1066	27.6	220	20.6	5.7	78	7.3	2.0
Backbone-Backbone	73	1.9	3	4.1	0.1	0	0.0	0.0
Backbone-Sidechain	520	13.5	113	21.7	2.9	28	5.4	0.7
Sidechain-Sidechain	473	12.2	104	22.0	2.7	50	10.6	1.3
Sequential (|i-j|=1)	780	20.2	244	31.3	6.3	79	10.1	2.0
Backbone-Backbone	177	4.6	16	9.0	0.4	3	1.7	0.1
Backbone-Sidechain	409	10.6	129	31.5	3.3	37	9.0	1.0
Sidechain-Sidechain	194	5.0	99	51.0	2.6	39	20.1	1.0
Medium range (|i-j|>1 & |i-j|<5)	1001	25.9	333	33.3	8.6	116	11.6	3.0
Backbone-Backbone	201	5.2	12	6.0	0.3	4	2.0	0.1
Backbone-Sidechain	459	11.9	153	33.3	4.0	56	12.2	1.4
Sidechain-Sidechain	341	8.8	168	49.3	4.3	56	16.4	1.4
Long range (|i-j|≥5)	121	3.1	58	47.9	1.5	23	19.0	0.6
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	58	1.5	29	50.0	0.8	14	24.1	0.4
Sidechain-Sidechain	63	1.6	29	46.0	0.8	9	14.3	0.2
Inter-chain	895	23.2	379	42.3	9.8	103	11.5	2.7
Backbone-Backbone	1	0.0	1	100.0	0.0	0	0.0	0.0
Backbone-Sidechain	216	5.6	72	33.3	1.9	14	6.5	0.4
Sidechain-Sidechain	678	17.6	306	45.1	7.9	89	13.1	2.3
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3863	100.0	1234	31.9	31.9	399	10.3	10.3
Backbone-Backbone	452	11.7	32	7.1	0.8	7	1.5	0.2
Backbone-Sidechain	1662	43.0	496	29.8	12.8	149	9.0	3.9
Sidechain-Sidechain	1749	45.3	706	40.4	18.3	243	13.9	6.3

[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	148	157	208	27	224	764	0.6	4.35	0.5	0.44
2	141	144	197	25	226	733	0.62	4.44	0.49	0.47
3	135	146	206	28	235	750	0.62	4.46	0.51	0.45
4	138	148	211	26	239	762	0.63	4.55	0.51	0.47
5	130	153	200	28	236	747	0.63	4.38	0.5	0.49
6	141	153	194	29	234	751	0.61	4.59	0.49	0.45
7	136	164	212	27	228	767	0.61	4.41	0.51	0.44
8	147	142	202	28	229	748	0.61	4.45	0.49	0.46
9	131	148	197	25	226	727	0.62	4.53	0.5	0.47
10	131	156	203	27	222	739	0.63	4.38	0.51	0.47

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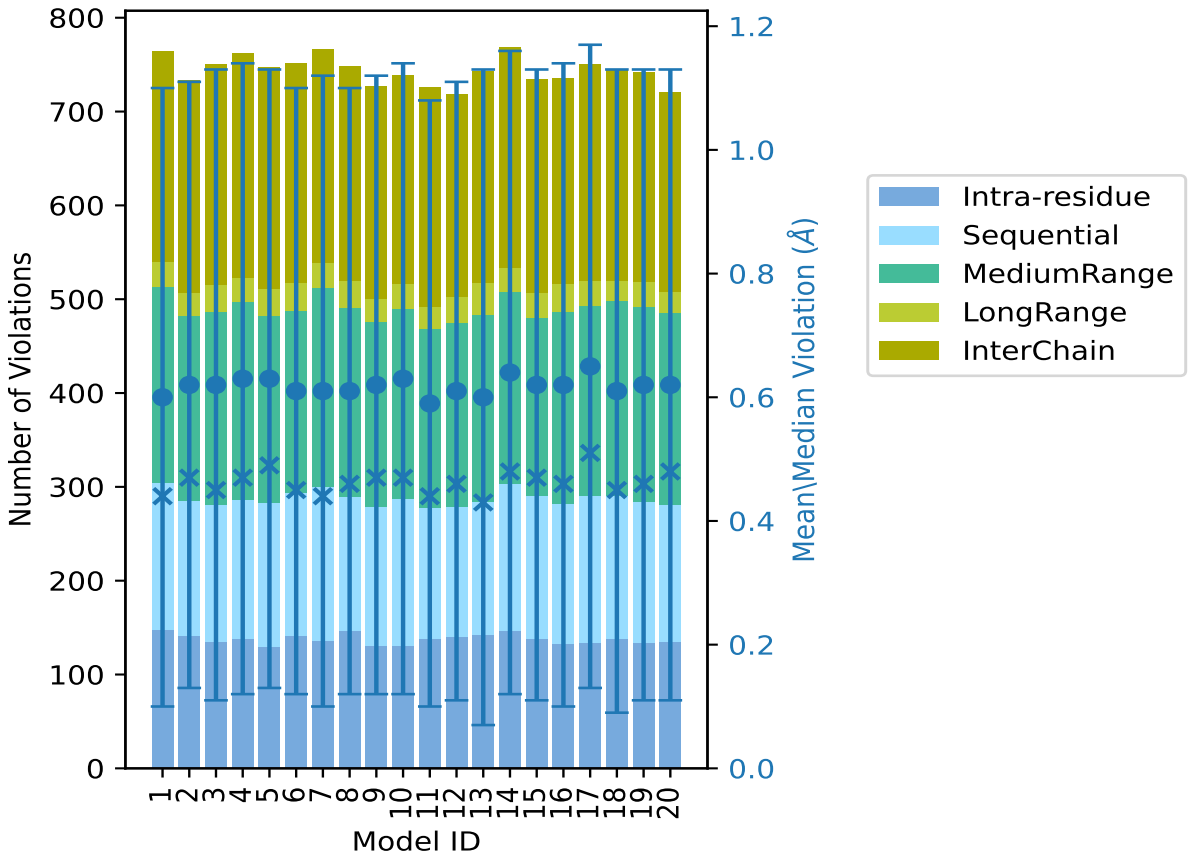
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	138	140	191	23	234	726	0.59	4.72	0.49	0.44
12	140	139	196	28	216	719	0.61	4.57	0.5	0.46
13	142	142	199	35	225	743	0.6	5.18	0.53	0.43
14	147	156	205	26	235	769	0.64	4.46	0.52	0.48
15	138	153	189	27	228	735	0.62	4.67	0.51	0.47
16	133	149	205	29	219	735	0.62	4.88	0.52	0.46
17	134	157	202	27	231	751	0.65	4.54	0.52	0.51
18	138	153	207	22	224	744	0.61	4.53	0.52	0.45
19	134	150	208	27	223	742	0.62	4.65	0.51	0.46
20	135	146	204	23	213	721	0.62	4.58	0.51	0.48

[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

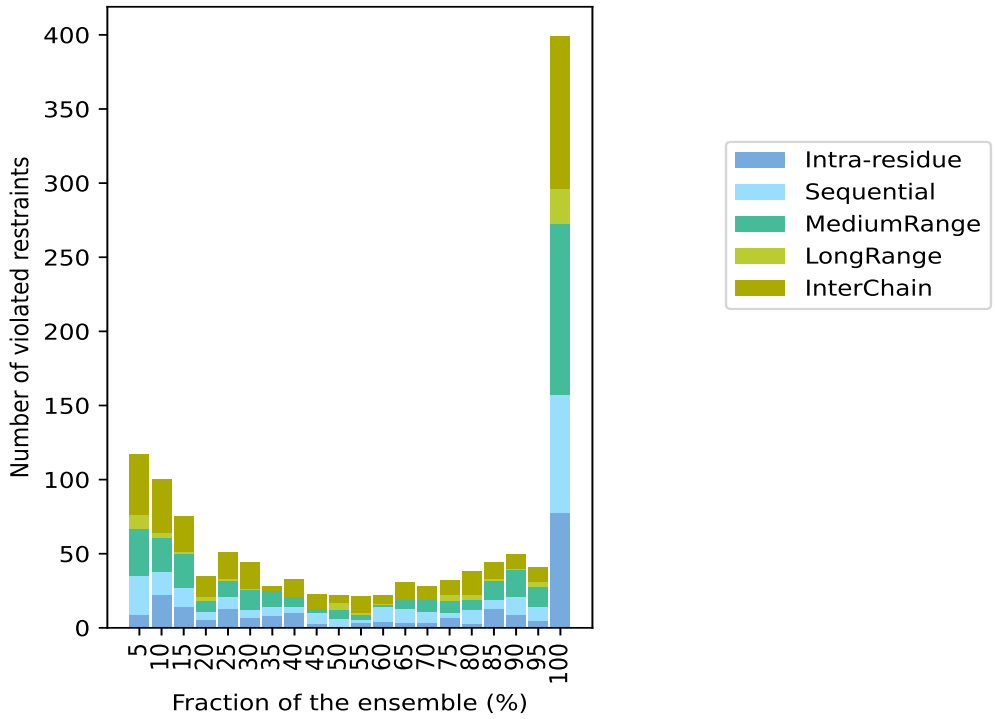
9.3 Distance violation statistics for the ensemble (i)

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, 2629(IR:846, SQ:536, MR:668, LR:63, IC:516) 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]	%
9	26	32	9	41	117	1	5.0
22	16	23	3	36	100	2	10.0
14	13	23	1	24	75	3	15.0
5	6	7	3	14	35	4	20.0
13	8	11	1	18	51	5	25.0
7	5	14	0	18	44	6	30.0
8	6	11	0	3	28	7	35.0
10	4	7	0	12	33	8	40.0
3	7	3	0	10	23	9	45.0
1	5	6	5	5	22	10	50.0
3	2	4	1	11	21	11	55.0
4	10	2	0	6	22	12	60.0
3	10	6	0	12	31	13	65.0
3	8	8	0	9	28	14	70.0
7	3	8	4	10	32	15	75.0
3	9	7	3	16	38	16	80.0
13	6	13	1	11	44	17	85.0
9	12	18	1	10	50	18	90.0
5	9	14	3	10	41	19	95.0
78	79	116	23	103	399	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

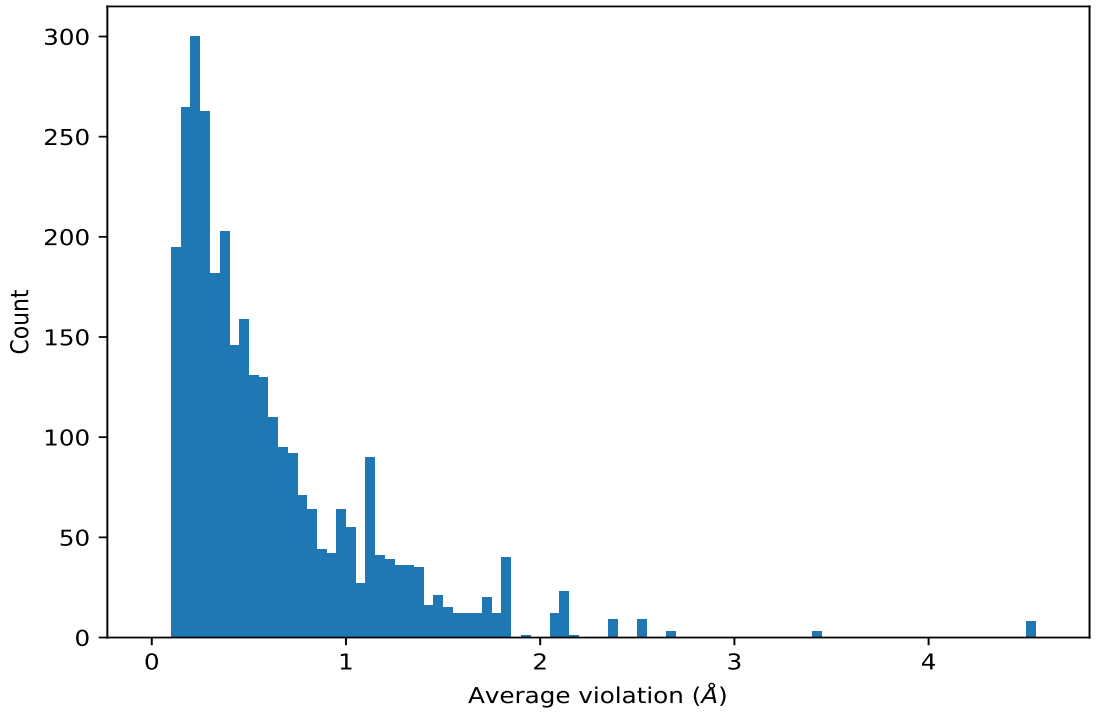
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(2,100)	1:206:A:THR:HG23	1:202:A:VAL:HG13	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG12	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG11	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG13	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG23	1:202:A:VAL:HG11	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG12	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG13	20	4.54	0.13	4.54
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG11	20	4.54	0.13	4.54
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	20	3.44	0.42	3.38
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	20	3.44	0.42	3.38
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	20	3.44	0.42	3.38
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	20	2.67	0.47	2.5
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD22	20	2.67	0.47	2.5
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD21	20	2.67	0.47	2.5
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	20	2.5	0.07	2.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG23	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG21	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG22	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG22	20	2.5	0.07	2.48
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG21	20	2.5	0.07	2.48
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD11	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD11	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD12	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD12	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD11	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD13	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD13	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD12	20	2.37	0.17	2.38
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD13	20	2.37	0.17	2.38
(1,235)	1:254:A:VAL:HG22	1:255:A:ILE:HG13	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG22	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG21	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG23	1:255:A:ILE:HG13	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG21	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG21	1:255:A:ILE:HG13	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG23	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG23	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG22	1:249:A:THR:HG22	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG22	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG22	1:249:A:THR:HG23	20	2.13	0.42	2.26
(1,235)	1:254:A:VAL:HG22	1:249:A:THR:HG21	20	2.13	0.42	2.26
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	20	2.12	0.23	2.2
(2,1261)	1:207:A:VAL:HG12	1:204:A:LYS:HG2	20	2.12	0.23	2.2
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	20	2.12	0.23	2.2
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG11	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG13	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG12	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG11	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG11	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG13	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG12	20	2.1	0.15	2.1
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG13	20	2.1	0.15	2.1
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	20	2.09	0.16	2.16
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	20	2.09	0.16	2.16
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	20	2.09	0.16	2.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD11	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD11	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD11	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD13	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD13	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD12	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD12	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD12	20	2.08	0.24	2.12
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD13	20	2.08	0.24	2.12
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	20	1.91	0.14	1.84
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG23	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG21	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG22	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG22	20	1.84	0.07	1.82
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG21	20	1.84	0.07	1.82
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	20	1.83	0.46	2.1
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	20	1.83	0.46	2.1
(2,330)	1:206:A:THR:HG21	1:205:A:LEU:HD22	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD23	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD23	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD22	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG21	1:205:A:LEU:HD23	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD21	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD22	20	1.82	0.09	1.86
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD21	20	1.82	0.09	1.86
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD11	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD13	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD13	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD12	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD12	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG23	1:224:A:ILE:HD13	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG23	1:224:A:ILE:HD11	20	1.8	0.06	1.81
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD11	20	1.8	0.06	1.81
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	20	1.76	0.12	1.76
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG23	20	1.76	0.12	1.76
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG21	20	1.76	0.12	1.76
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD23	20	1.76	0.12	1.76
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD21	20	1.76	0.12	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD22	20	1.76	0.12	1.76
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	20	1.75	0.08	1.75
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	20	1.75	0.08	1.75
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD13	20	1.75	0.08	1.75
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	20	1.75	0.06	1.74
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	20	1.75	0.06	1.74
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD11	20	1.75	0.06	1.74
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	20	1.73	0.08	1.74
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	20	1.73	0.08	1.74
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB3	20	1.73	0.08	1.74
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	20	1.72	0.1	1.72
(1,248)	1:206:A:THR:HG23	1:204:B:LYS:HA	20	1.72	0.14	1.69
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	20	1.72	0.14	1.69
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	20	1.72	0.14	1.69
(1,248)	1:249:A:THR:HG22	1:252:A:GLY:HA2	20	1.72	0.14	1.69
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	20	1.72	0.14	1.76
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	20	1.72	0.14	1.76
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	20	1.72	0.14	1.76
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	20	1.72	0.14	1.76
(1,558)	1:193:A:ALA:HB2	1:192:B:GLU:HB2	20	1.72	0.14	1.76
(1,558)	1:193:A:ALA:HB1	1:192:B:GLU:HB2	20	1.72	0.14	1.76
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	20	1.7	0.06	1.68
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	20	1.7	0.06	1.68
(1,220)	1:242:A:ILE:HD11	1:224:A:ILE:H	20	1.7	0.06	1.68
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	20	1.69	0.57	1.8
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	20	1.69	0.57	1.8
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	20	1.69	0.57	1.8
(2,2527)	1:224:A:ILE:HG23	1:221:B:LEU:HD22	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD22	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD23	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD23	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD21	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD21	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD22	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG23	1:221:B:LEU:HD21	20	1.65	0.65	1.91
(2,2527)	1:224:A:ILE:HG23	1:221:B:LEU:HD23	20	1.65	0.65	1.91
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	20	1.64	0.21	1.7
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	20	1.64	0.21	1.7
(1,216)	1:242:A:ILE:HD11	1:232:A:GLU:HA	20	1.64	0.21	1.7
(1,216)	1:242:A:ILE:HD13	1:232:A:GLU:HA	20	1.64	0.21	1.7
(1,216)	1:242:A:ILE:HD13	1:241:A:ARG:HA	20	1.64	0.21	1.7
(1,216)	1:242:A:ILE:HD12	1:232:A:GLU:HA	20	1.64	0.21	1.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	20	1.62	0.07	1.63
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	20	1.62	0.07	1.63
(2,241)	1:224:A:ILE:HD12	1:242:B:ILE:HG12	20	1.62	0.07	1.63
(2,1367)	1:202:A:VAL:HG23	1:198:A:GLN:HG2	20	1.58	0.57	1.9
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	20	1.58	0.57	1.9
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	20	1.58	0.57	1.9
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	20	1.56	0.16	1.62
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	20	1.56	0.61	1.92
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD12	20	1.56	0.61	1.92
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	20	1.56	0.61	1.92
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	20	1.55	0.09	1.52
(1,512)	1:207:A:VAL:HG22	1:208:A:GLU:HG2	20	1.55	0.09	1.52
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	20	1.55	0.09	1.52
(1,512)	1:200:A:VAL:HG21	1:198:A:GLN:HG2	20	1.55	0.09	1.52
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	20	1.54	0.07	1.54
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG11	20	1.54	0.07	1.54
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	20	1.54	0.07	1.54
(1,430)	1:207:A:VAL:HG11	1:204:A:LYS:H	20	1.54	0.07	1.54
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG21	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG22	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG21	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG22	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG23	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG22	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG23	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG21	20	1.53	0.08	1.52
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG23	20	1.53	0.08	1.52
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	20	1.53	0.31	1.6
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG22	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG21	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD12	1:243:A:VAL:HG22	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD12	1:243:A:VAL:HG21	20	1.49	0.1	1.5
(1,471)	1:246:A:LEU:HD12	1:243:A:VAL:HG23	20	1.49	0.1	1.5
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	20	1.47	0.09	1.47
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG13	20	1.47	0.09	1.47
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	20	1.47	0.09	1.47
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	20	1.46	0.04	1.45
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	20	1.45	0.15	1.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	20	1.45	0.15	1.5
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	20	1.45	0.15	1.5
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	20	1.45	0.15	1.5
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	20	1.45	0.15	1.5
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	20	1.45	0.15	1.5
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB1	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB2	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB2	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB3	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB1	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB2	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB1	20	1.44	0.15	1.38
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB3	20	1.44	0.15	1.38
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	20	1.44	0.53	1.32
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	20	1.44	0.53	1.32
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG21	20	1.44	0.53	1.32
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	20	1.42	0.02	1.42
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	20	1.42	0.02	1.42
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG13	20	1.42	0.02	1.42
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	20	1.4	0.01	1.4
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	20	1.39	0.54	1.36
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	20	1.39	0.54	1.36
(2,2541)	1:238:A:VAL:HG22	1:238:B:VAL:HG22	20	1.39	0.54	1.36
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD22	20	1.38	0.33	1.55
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD23	20	1.38	0.33	1.55
(1,591)	1:196:A:LEU:HD22	1:194:B:ALA:H	20	1.38	0.33	1.55
(1,591)	1:196:A:LEU:HD21	1:194:B:ALA:H	20	1.38	0.33	1.55
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD21	20	1.38	0.33	1.55
(1,591)	1:196:A:LEU:HD23	1:194:B:ALA:H	20	1.38	0.33	1.55
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	20	1.38	0.07	1.38
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	20	1.38	0.07	1.38
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB3	20	1.38	0.07	1.38
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	20	1.37	0.16	1.38
(1,581)	1:239:A:LEU:HD22	1:237:B:PRO:HG2	20	1.37	0.16	1.38
(1,581)	1:239:A:LEU:HD23	1:237:B:PRO:HG2	20	1.37	0.16	1.38
(1,581)	1:239:A:LEU:HD21	1:232:A:GLU:HB2	20	1.37	0.16	1.38
(1,581)	1:239:A:LEU:HD22	1:232:A:GLU:HB2	20	1.37	0.16	1.38
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	20	1.36	0.06	1.36
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG23	20	1.36	0.06	1.36
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	20	1.36	0.06	1.36
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	20	1.36	0.11	1.38
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB1	20	1.36	0.26	1.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB3	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB2	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB3	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB2	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB3	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	20	1.36	0.26	1.45
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB2	20	1.36	0.26	1.45
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	20	1.35	0.53	1.48
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	20	1.35	0.53	1.48
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	20	1.35	0.53	1.48
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	20	1.34	0.29	1.25
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	20	1.34	0.29	1.25
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	20	1.34	0.29	1.25
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	20	1.34	0.09	1.33
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG12	20	1.34	0.09	1.33
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	20	1.34	0.09	1.33
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	20	1.34	0.56	1.1
(1,532)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	20	1.34	0.56	1.1
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	20	1.34	0.56	1.1
(2,2403)	1:227:A:ILE:HD12	1:241:B:ARG:HG2	20	1.33	0.15	1.33
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	20	1.33	0.15	1.33
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	20	1.33	0.15	1.33
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD11	1:207:B:VAL:HG22	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG23	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG21	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD11	1:207:B:VAL:HG21	20	1.32	0.41	1.53
(1,52)	1:210:A:LEU:HD12	1:207:A:VAL:HG23	20	1.32	0.41	1.53
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	20	1.31	0.01	1.31
(1,318)	1:239:A:LEU:HD12	1:234:A:GLU:HB2	20	1.31	0.18	1.34
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	20	1.31	0.18	1.34
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	20	1.31	0.18	1.34
(1,318)	1:241:A:ARG:HG3	1:239:A:LEU:HD12	20	1.31	0.18	1.34
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	20	1.28	0.69	1.76
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	20	1.28	0.69	1.76
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD22	20	1.28	0.69	1.76
(1,218)	1:242:A:ILE:HD11	1:241:A:ARG:HG3	20	1.27	0.08	1.27
(1,218)	1:242:A:ILE:HD13	1:245:A:ILE:HB	20	1.27	0.08	1.27
(1,218)	1:242:A:ILE:HD12	1:245:A:ILE:HB	20	1.27	0.08	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,218)	1:242:A:ILE:HD13	1:241:A:ARG:HG3	20	1.27	0.08	1.27
(1,218)	1:242:A:ILE:HD11	1:245:A:ILE:HB	20	1.27	0.08	1.27
(1,218)	1:242:A:ILE:HD12	1:241:A:ARG:HG3	20	1.27	0.08	1.27
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	20	1.26	0.18	1.27
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	20	1.26	0.18	1.27
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	20	1.26	0.18	1.27
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG21	20	1.26	0.09	1.28
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	20	1.26	0.09	1.28
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG22	20	1.26	0.09	1.28
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD11	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG13	1:242:A:ILE:HD11	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD12	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD12	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD13	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD11	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD13	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG12	1:242:B:ILE:HD12	20	1.25	0.21	1.15
(1,44)	1:238:A:VAL:HG13	1:242:A:ILE:HD13	20	1.25	0.21	1.15
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG12	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG13	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG11	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG11	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG12	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG13	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG12	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG11	20	1.24	0.1	1.23
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG13	20	1.24	0.1	1.23
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG13	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG12	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG11	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG13	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG13	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG11	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG12	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG12	20	1.23	0.2	1.19
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG11	20	1.23	0.2	1.19
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	20	1.22	0.18	1.25
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	20	1.22	0.18	1.25
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	20	1.22	0.18	1.25
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD21	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD22	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD21	20	1.21	0.09	1.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD23	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD21	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD23	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD22	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD22	20	1.21	0.09	1.2
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD23	20	1.21	0.09	1.2
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	20	1.2	0.09	1.19
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	20	1.2	0.09	1.19
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	20	1.2	0.09	1.19
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	20	1.2	0.23	1.08
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	20	1.19	0.1	1.21
(1,518)	1:197:A:MET:H	1:200:A:VAL:HG22	20	1.19	0.1	1.21
(1,518)	1:197:A:MET:H	1:200:A:VAL:HG21	20	1.19	0.1	1.21
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	20	1.19	0.1	1.21
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG23	20	1.19	0.1	1.21
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	20	1.18	0.04	1.18
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG22	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG21	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD12	1:243:A:VAL:HG22	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD12	1:243:A:VAL:HG21	20	1.18	0.1	1.19
(1,76)	1:246:A:LEU:HD12	1:243:A:VAL:HG23	20	1.18	0.1	1.19
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	20	1.17	0.17	1.25
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	20	1.16	0.33	1.27
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	20	1.16	0.33	1.27
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD11	20	1.16	0.33	1.27
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	20	1.16	0.4	1.31
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	20	1.16	0.4	1.31
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	20	1.15	0.18	1.19
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	20	1.15	0.18	1.19
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	20	1.15	0.13	1.15
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG23	20	1.15	0.13	1.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	20	1.15	0.13	1.15
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	20	1.14	0.12	1.16
(2,98)	1:255:A:ILE:HG22	2:5478:C:LYS:HD3	20	1.14	0.12	1.16
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	20	1.14	0.12	1.16
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	20	1.14	0.29	1.08
(2,2376)	1:210:A:LEU:HD12	1:214:B:ARG:HB3	20	1.14	0.29	1.08
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	20	1.14	0.29	1.08
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD11	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD11	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD12	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD23	1:242:B:ILE:HD12	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD13	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD23	1:242:B:ILE:HD11	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD12	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD13	20	1.14	0.09	1.13
(2,2552)	1:239:A:LEU:HD23	1:242:B:ILE:HD13	20	1.14	0.09	1.13
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	20	1.13	0.03	1.13
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB2	20	1.13	0.03	1.13
(1,120)	1:192:A:GLU:HA	1:193:B:ALA:HB3	20	1.13	0.03	1.13
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	20	1.13	0.03	1.13
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG11	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG13	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG12	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG12	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG11	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG11	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG13	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG13	20	1.13	0.2	1.09
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG12	20	1.13	0.2	1.09
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	20	1.12	0.4	1.12
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	20	1.12	0.09	1.12
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	20	1.12	0.45	1.34
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG23	20	1.12	0.45	1.34
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	20	1.12	0.45	1.34
(1,500)	1:206:A:THR:HG23	1:202:A:VAL:HB	20	1.12	0.12	1.15
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	20	1.12	0.12	1.15
(1,500)	1:202:A:VAL:HB	1:201:A:LYS:HG3	20	1.12	0.12	1.15
(1,500)	1:206:A:THR:HG21	1:202:A:VAL:HB	20	1.12	0.12	1.15
(1,500)	1:206:A:THR:HG22	1:202:A:VAL:HB	20	1.12	0.12	1.15
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	20	1.12	0.68	1.56
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB2	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB2	20	1.11	0.05	1.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB3	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB3	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB1	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB2	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB1	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB3	20	1.11	0.05	1.11
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB1	20	1.11	0.05	1.11
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG22	20	1.11	0.11	1.07
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG21	20	1.11	0.11	1.07
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG23	20	1.11	0.11	1.07
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG21	20	1.11	0.11	1.07
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG22	20	1.11	0.11	1.07
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG21	20	1.11	0.11	1.07
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG23	20	1.11	0.11	1.07
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD23	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD21	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD23	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD23	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD22	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD21	20	1.1	0.14	1.13
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD22	20	1.1	0.14	1.13
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	20	1.1	0.02	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	20	1.1	0.02	1.1
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	20	1.1	0.14	1.1
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	20	1.1	0.14	1.1
(1,473)	1:203:A:LEU:HD12	1:200:A:VAL:HA	20	1.1	0.14	1.1
(1,473)	1:243:A:VAL:HG21	1:242:A:ILE:HA	20	1.1	0.14	1.1
(1,473)	1:203:A:LEU:HD13	1:207:B:VAL:HA	20	1.1	0.14	1.1
(2,2524)	1:224:A:ILE:HG23	1:246:B:LEU:HD23	20	1.09	0.08	1.1
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD21	20	1.09	0.08	1.1
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD23	20	1.09	0.08	1.1
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD23	20	1.09	0.08	1.1
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD22	20	1.09	0.08	1.1
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD22	20	1.09	0.08	1.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD11	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG22	1:224:B:ILE:HD13	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD13	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD12	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD12	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD13	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG22	1:224:B:ILE:HD11	20	1.09	0.06	1.1
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD11	20	1.09	0.06	1.1
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	20	1.08	0.37	0.97
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	20	1.08	0.37	0.97
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG13	20	1.08	0.37	0.97
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	20	1.08	0.03	1.08
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG11	20	1.04	0.03	1.04
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG13	20	1.04	0.03	1.04
(2,368)	1:200:A:VAL:HG21	1:202:A:VAL:HG12	20	1.04	0.03	1.04
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG12	20	1.04	0.03	1.04
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG12	20	1.04	0.03	1.04
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG11	20	1.04	0.03	1.04
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG13	20	1.04	0.03	1.04
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD13	20	1.04	0.08	1.04
(1,43)	1:242:A:ILE:HG23	1:239:A:LEU:HD13	20	1.04	0.08	1.04
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD12	20	1.04	0.08	1.04
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD11	20	1.04	0.08	1.04
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD12	20	1.04	0.08	1.04
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD11	20	1.04	0.08	1.04
(1,43)	1:242:A:ILE:HG23	1:239:A:LEU:HD11	20	1.04	0.08	1.04
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG21	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG23	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB2	1:249:A:THR:HG22	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG22	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG23	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG21	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB2	1:249:A:THR:HG23	20	1.04	0.27	1.07
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG22	20	1.04	0.27	1.07
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	20	1.04	0.1	1.04
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	20	1.04	0.1	1.04
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	20	1.04	0.1	1.04
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	20	1.03	0.12	1.0
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB3	20	1.03	0.12	1.0
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	20	1.03	0.12	1.0
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	20	1.02	0.05	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD12	20	1.02	0.05	0.99

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	20	1.02	0.05	0.99
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	20	1.01	0.31	0.96
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	20	1.01	0.31	0.96
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	20	1.01	0.31	0.96
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	20	1.0	0.11	1.02
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	20	1.0	0.11	1.02
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD12	20	0.99	0.12	1.0
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD11	20	0.99	0.12	1.0
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD13	20	0.99	0.12	1.0
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD12	20	0.99	0.12	1.0
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD11	20	0.99	0.12	1.0
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD11	20	0.99	0.12	1.0
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD12	20	0.99	0.12	1.0
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	20	0.99	0.1	1.02
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD13	20	0.99	0.1	1.02
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD13	20	0.99	0.1	1.02
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD11	20	0.99	0.1	1.02
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD12	20	0.99	0.1	1.02
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD12	20	0.99	0.1	1.02
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	20	0.99	0.24	0.92
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	20	0.99	0.24	0.92
(2,2553)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	20	0.99	0.24	0.92
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	20	0.99	1.09	0.3
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	20	0.99	1.09	0.3
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	20	0.99	1.09	0.3
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	20	0.99	1.09	0.3
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	20	0.99	1.09	0.3
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	20	0.99	1.09	0.3
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD12	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD12	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD13	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD13	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD11	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD13	1:242:A:ILE:HD13	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD11	20	0.99	0.13	1.02
(2,122)	1:246:A:LEU:HD13	1:242:A:ILE:HD11	20	0.99	0.13	1.02
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	20	0.98	0.23	0.88
(1,516)	1:207:A:VAL:HG23	1:211:A:GLU:H	20	0.98	0.23	0.88
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	20	0.98	0.23	0.88
(1,702)	1:236:A:ASP:H	1:238:A:VAL:HB	20	0.97	0.24	0.94
(1,702)	1:236:A:ASP:H	1:240:A:GLN:HB3	20	0.97	0.24	0.94
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	20	0.97	0.24	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	20	0.97	0.03	0.97
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	20	0.96	0.22	0.98
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	20	0.96	0.22	0.98
(1,310)	1:239:A:LEU:HD22	1:234:A:GLU:HB2	20	0.96	0.22	0.98
(1,250)	1:206:A:THR:HG22	1:208:A:GLU:H	20	0.96	0.12	1.02
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	20	0.96	0.12	1.02
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	20	0.96	0.12	1.02
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	20	0.96	0.07	0.96
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	20	0.96	0.1	0.99
(1,214)	1:206:A:THR:HB	1:211:B:GLU:HG2	20	0.96	0.1	0.99
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	20	0.95	0.24	0.88
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	20	0.95	0.24	0.88
(1,328)	1:238:A:VAL:HG13	1:240:A:GLN:HE21	20	0.95	0.24	0.88
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	20	0.95	0.56	1.25
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	20	0.95	0.56	1.25
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	20	0.95	0.56	1.25
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	20	0.94	0.08	0.93
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	20	0.94	0.08	0.93
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD12	20	0.94	0.08	0.93
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	20	0.93	0.1	0.94
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	20	0.93	0.1	0.94
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	20	0.93	0.27	1.02
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	20	0.93	0.26	0.87
(1,504)	1:201:A:LYS:HD2	1:203:A:LEU:H	20	0.93	0.26	0.87
(1,492)	1:202:A:VAL:HG22	1:201:A:LYS:HB3	20	0.93	0.33	1.02
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	20	0.93	0.33	1.02
(1,492)	1:202:A:VAL:HG23	1:201:A:LYS:HB3	20	0.93	0.33	1.02
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	20	0.92	0.29	1.0
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	20	0.92	0.29	1.0
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	20	0.92	0.2	0.95
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	20	0.92	0.2	0.95
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG21	20	0.92	0.2	0.95
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	20	0.92	0.01	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	20	0.92	0.01	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	20	0.92	0.01	0.92
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	20	0.92	0.16	0.91
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	20	0.92	0.16	0.91
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	20	0.92	0.16	0.91
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	20	0.91	0.12	0.91
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	20	0.91	0.12	0.91
(2,2428)	1:245:A:ILE:HD12	1:223:B:ASN:HB2	20	0.91	0.12	0.91
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	20	0.9	0.04	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	20	0.89	0.1	0.89
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	20	0.89	0.1	0.89
(2,1390)	1:202:A:VAL:HG11	1:206:A:THR:H	20	0.89	0.1	0.89
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	20	0.88	0.04	0.88
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	20	0.88	0.04	0.88
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	20	0.88	0.04	0.88
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD13	20	0.88	0.11	0.92
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	20	0.88	0.11	0.92
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD12	20	0.88	0.11	0.92
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	20	0.88	0.08	0.9
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	20	0.88	0.08	0.9
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	20	0.88	0.08	0.9
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	20	0.88	0.21	0.88
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	20	0.87	0.04	0.87
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	20	0.87	0.04	0.87
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	20	0.87	0.04	0.87
(1,579)	1:238:A:VAL:HG23	1:236:A:ASP:HA	20	0.87	0.18	0.9
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	20	0.87	0.18	0.9
(1,579)	1:238:A:VAL:HG21	1:236:A:ASP:HA	20	0.87	0.18	0.9
(1,579)	1:238:A:VAL:HG21	1:231:B:ASN:HA	20	0.87	0.18	0.9
(1,579)	1:238:A:VAL:HG22	1:236:A:ASP:HA	20	0.87	0.18	0.9
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	20	0.86	0.57	0.52
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	20	0.86	0.06	0.85
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB1	20	0.86	0.06	0.85
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	20	0.86	0.06	0.85
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	20	0.86	0.07	0.86
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	20	0.86	0.07	0.86
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB2	20	0.86	0.07	0.86
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	20	0.85	0.32	0.9
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	20	0.84	0.05	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	20	0.84	0.07	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	20	0.84	0.07	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD11	20	0.84	0.07	0.82
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	20	0.83	0.09	0.88
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	20	0.83	0.09	0.88
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB2	20	0.83	0.09	0.88
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	20	0.83	0.06	0.83
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	20	0.83	0.06	0.83
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB2	20	0.83	0.06	0.83
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG12	20	0.82	0.24	0.94
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG13	20	0.82	0.24	0.94
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG11	20	0.82	0.24	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG11	20	0.82	0.24	0.94
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG11	20	0.82	0.24	0.94
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG12	20	0.82	0.24	0.94
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG13	20	0.82	0.24	0.94
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG12	20	0.82	0.24	0.94
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG21	20	0.82	0.05	0.82
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	20	0.82	0.05	0.82
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	20	0.82	0.05	0.82
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	20	0.8	0.05	0.78
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	20	0.8	0.05	0.78
(2,1376)	1:202:A:VAL:HG22	1:205:A:LEU:H	20	0.8	0.05	0.78
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	20	0.8	0.16	0.86
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	20	0.8	0.42	0.64
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	20	0.8	0.42	0.64
(2,183)	1:238:A:VAL:HG21	1:227:B:ILE:HG12	20	0.8	0.42	0.64
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	20	0.8	0.17	0.8
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	20	0.8	0.17	0.8
(1,223)	1:256:A:PRO:HG2	2:5478:C:LYS:HD3	20	0.8	0.17	0.8
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG21	20	0.8	0.17	0.8
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	20	0.8	0.05	0.79
(2,107)	1:206:A:THR:HG21	1:209:A:ASP:HB2	20	0.79	0.13	0.76
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	20	0.79	0.13	0.76
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	20	0.79	0.13	0.76
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	20	0.78	0.07	0.8
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	20	0.78	0.07	0.8
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	20	0.78	0.07	0.8
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	20	0.78	0.07	0.78
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	20	0.78	0.56	0.43
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	20	0.78	0.11	0.81
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	20	0.78	0.11	0.81
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG13	20	0.78	0.11	0.81
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	20	0.77	0.05	0.78
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	20	0.77	0.05	0.78
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG22	20	0.77	0.05	0.78
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	20	0.77	0.2	0.84
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	20	0.77	0.09	0.78
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	20	0.77	0.09	0.78
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	20	0.77	0.09	0.78
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG22	20	0.75	0.07	0.74
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG23	20	0.75	0.07	0.74
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG23	20	0.75	0.07	0.74
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG21	20	0.75	0.07	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG22	20	0.75	0.07	0.74
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG21	20	0.75	0.07	0.74
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG23	20	0.75	0.07	0.74
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG22	20	0.75	0.07	0.74
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	20	0.74	0.12	0.76
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD21	20	0.74	0.14	0.78
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	20	0.74	0.14	0.78
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD21	20	0.74	0.14	0.78
(2,185)	1:238:A:VAL:HG23	1:239:B:LEU:HD21	20	0.74	0.14	0.78
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD23	20	0.74	0.14	0.78
(2,185)	1:238:A:VAL:HG23	1:239:B:LEU:HD22	20	0.74	0.14	0.78
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	20	0.74	0.15	0.79
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	20	0.74	0.22	0.75
(1,629)	1:236:A:ASP:HB2	1:238:A:VAL:HB	20	0.74	0.22	0.75
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	20	0.74	0.05	0.76
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	20	0.73	0.19	0.81
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG23	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG22	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG21	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG21	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG22	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG21	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG23	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG23	20	0.73	0.05	0.73
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG22	20	0.73	0.05	0.73
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	20	0.72	0.32	0.64
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	20	0.72	0.32	0.64
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD11	20	0.72	0.32	0.64
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	20	0.72	0.01	0.72
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	20	0.71	0.17	0.76
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	20	0.71	0.09	0.68
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	20	0.71	0.09	0.68
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	20	0.71	0.09	0.68
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	20	0.7	0.28	0.54
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	20	0.7	0.28	0.54
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD13	20	0.7	0.28	0.54
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	20	0.7	0.15	0.75
(1,457)	1:200:A:VAL:HG13	1:201:A:LYS:HB2	20	0.7	0.15	0.75
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	20	0.7	0.15	0.75
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	20	0.7	0.12	0.75
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	20	0.7	0.14	0.72
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG13	20	0.7	0.14	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	20	0.7	0.14	0.72
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	20	0.7	0.21	0.6
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	20	0.7	0.21	0.6
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	20	0.7	0.21	0.6
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	20	0.7	0.48	0.52
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	20	0.7	0.48	0.52
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	20	0.7	0.48	0.52
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	20	0.69	0.06	0.68
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG23	20	0.69	0.06	0.68
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	20	0.69	0.06	0.68
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	20	0.69	0.05	0.68
(2,2367)	1:207:A:VAL:HG13	1:206:B:THR:HB	20	0.69	0.05	0.68
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	20	0.69	0.05	0.68
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	20	0.69	0.13	0.7
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	20	0.69	0.13	0.7
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	20	0.69	0.13	0.7
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	20	0.69	0.28	0.54
(1,428)	1:200:A:VAL:HG12	1:204:A:LYS:HD3	20	0.69	0.28	0.54
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	20	0.69	0.28	0.54
(1,428)	1:200:A:VAL:HG13	1:201:A:LYS:HG2	20	0.69	0.28	0.54
(1,428)	1:200:A:VAL:HG12	1:201:A:LYS:HG2	20	0.69	0.28	0.54
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	20	0.69	0.05	0.7
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	20	0.69	0.05	0.7
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD12	20	0.69	0.05	0.7
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	20	0.68	0.28	0.72
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	20	0.68	0.28	0.72
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG21	20	0.68	0.28	0.72
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	20	0.68	0.03	0.68
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	20	0.67	0.11	0.66
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	20	0.67	0.11	0.66
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	20	0.67	0.11	0.66
(2,819)	1:255:A:ILE:HG23	1:256:A:PRO:HB3	20	0.67	0.1	0.68
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	20	0.67	0.1	0.68
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	20	0.67	0.1	0.68
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	20	0.67	0.07	0.66
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	20	0.67	0.07	0.66
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	20	0.67	0.07	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	20	0.67	0.0	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	20	0.67	0.0	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	20	0.67	0.0	0.67
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG22	20	0.66	0.08	0.66
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	20	0.66	0.08	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	20	0.66	0.08	0.66
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	20	0.66	0.21	0.76
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	20	0.66	0.21	0.76
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	20	0.66	0.21	0.76
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	20	0.66	0.06	0.64
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	20	0.66	0.06	0.64
(2,2455)	1:203:A:LEU:HD11	1:204:B:LYS:H	20	0.66	0.06	0.64
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	20	0.66	0.3	0.47
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD11	20	0.66	0.12	0.66
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	20	0.66	0.12	0.66
(1,32)	1:242:A:ILE:HD13	1:227:A:ILE:HB	20	0.66	0.12	0.66
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD13	20	0.66	0.12	0.66
(1,32)	1:242:A:ILE:HD12	1:227:A:ILE:HB	20	0.66	0.12	0.66
(1,32)	1:242:A:ILE:HD11	1:227:A:ILE:HB	20	0.66	0.12	0.66
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	20	0.66	0.21	0.54
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD21	20	0.66	0.21	0.54
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD23	20	0.66	0.21	0.54
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD23	20	0.66	0.21	0.54
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD21	20	0.66	0.21	0.54
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD22	20	0.66	0.21	0.54
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	20	0.65	0.28	0.76
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	20	0.65	0.28	0.76
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	20	0.65	0.28	0.76
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	20	0.65	0.05	0.66
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	20	0.64	0.09	0.68
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD21	20	0.64	0.09	0.68
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	20	0.64	0.09	0.68
(1,465)	1:203:A:LEU:HD23	1:207:B:VAL:H	20	0.64	0.09	0.68
(1,465)	1:203:A:LEU:HD21	1:207:B:VAL:H	20	0.64	0.09	0.68
(1,465)	1:203:A:LEU:HD22	1:207:B:VAL:H	20	0.64	0.09	0.68
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG21	20	0.64	0.03	0.64
(1,112)	1:200:A:VAL:HG12	1:200:A:VAL:HG23	20	0.64	0.03	0.64
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG22	20	0.64	0.03	0.64
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG23	20	0.64	0.03	0.64
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG21	20	0.64	0.03	0.64
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG22	20	0.64	0.03	0.64
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG23	20	0.64	0.03	0.64
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	20	0.64	0.1	0.66
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	20	0.64	0.1	0.66
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	20	0.64	0.1	0.66
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	20	0.64	0.18	0.6
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	20	0.64	0.18	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1116)	1:227:A:ILE:HD12	1:230:A:GLU:HG3	20	0.64	0.18	0.6
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	20	0.64	0.03	0.64
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	20	0.64	0.08	0.61
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	20	0.64	0.08	0.61
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD12	20	0.64	0.08	0.61
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	20	0.64	0.23	0.6
(1,524)	1:207:A:VAL:HG13	1:204:A:LYS:HD2	20	0.64	0.23	0.6
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	20	0.64	0.23	0.6
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	20	0.64	0.06	0.62
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	20	0.64	0.06	0.62
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD22	20	0.64	0.06	0.62
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	20	0.62	0.08	0.64
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	20	0.62	0.02	0.62
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	20	0.62	0.02	0.62
(2,1652)	1:194:A:ALA:HB3	1:193:A:ALA:HA	20	0.62	0.02	0.62
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG21	20	0.62	0.08	0.62
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG23	20	0.62	0.08	0.62
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG22	20	0.62	0.08	0.62
(2,136)	1:245:A:ILE:HD11	1:227:B:ILE:HG23	20	0.62	0.08	0.62
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG21	20	0.62	0.08	0.62
(2,136)	1:245:A:ILE:HD11	1:227:B:ILE:HG21	20	0.62	0.08	0.62
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG22	20	0.62	0.08	0.62
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	20	0.61	0.3	0.66
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD12	20	0.61	0.3	0.66
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD11	20	0.61	0.3	0.66
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD11	20	0.61	0.3	0.66
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD13	20	0.61	0.3	0.66
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	20	0.61	0.07	0.63
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	20	0.61	0.07	0.63
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD12	20	0.61	0.07	0.63
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	20	0.61	0.08	0.6
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	20	0.61	0.08	0.6
(2,69)	1:242:A:ILE:HD13	1:227:B:ILE:HB	20	0.61	0.08	0.6
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	20	0.61	0.04	0.6
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	20	0.61	0.04	0.6
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD22	20	0.61	0.04	0.6
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	20	0.61	0.31	0.42
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	20	0.61	0.01	0.61
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	20	0.61	0.07	0.61
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	20	0.61	0.07	0.61
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG23	20	0.61	0.07	0.61
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	20	0.61	0.14	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	20	0.6	0.16	0.59
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	20	0.6	0.16	0.59
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	20	0.6	0.16	0.59
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	20	0.6	0.21	0.66
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	20	0.6	0.21	0.66
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD11	20	0.6	0.21	0.66
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	20	0.6	0.14	0.61
(1,432)	1:200:A:VAL:HG13	1:202:A:VAL:H	20	0.6	0.14	0.61
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	20	0.6	0.14	0.61
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG13	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG12	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG11	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG11	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG13	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG11	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG12	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG13	20	0.6	0.03	0.59
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG12	20	0.6	0.03	0.59
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG22	20	0.59	0.06	0.6
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	20	0.59	0.06	0.6
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	20	0.59	0.06	0.6
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	20	0.59	0.09	0.57
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	20	0.59	0.09	0.57
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	20	0.59	0.09	0.57
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	20	0.59	0.03	0.59
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	20	0.59	0.03	0.59
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB2	20	0.59	0.03	0.59
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	20	0.59	0.13	0.59
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	20	0.59	0.13	0.59
(1,311)	1:239:A:LEU:HD23	1:238:B:VAL:H	20	0.59	0.13	0.59
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	20	0.59	0.09	0.58
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	20	0.59	0.09	0.58
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD11	20	0.59	0.09	0.58
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG22	20	0.59	0.09	0.57
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG21	20	0.59	0.09	0.57
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	20	0.59	0.09	0.57
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG23	20	0.59	0.09	0.57
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	20	0.59	0.09	0.57
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	20	0.59	0.09	0.57
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	20	0.59	0.09	0.57
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	20	0.58	0.2	0.48
(2,904)	1:246:A:LEU:HD21	1:242:A:ILE:HG12	20	0.58	0.2	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,904)	1:246:A:LEU:HD22	1:242:A:ILE:HG12	20	0.58	0.2	0.48
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	20	0.57	0.28	0.42
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	20	0.57	0.28	0.42
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD13	20	0.57	0.28	0.42
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	20	0.57	0.05	0.56
(2,820)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	20	0.57	0.05	0.56
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	20	0.57	0.05	0.56
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	20	0.56	0.13	0.52
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	20	0.56	0.13	0.52
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD13	20	0.56	0.13	0.52
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	20	0.56	0.08	0.54
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD12	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD12	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD13	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD13	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD22	1:242:A:ILE:HD12	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD11	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD11	20	0.56	0.04	0.57
(2,120)	1:246:A:LEU:HD22	1:242:A:ILE:HD11	20	0.56	0.04	0.57
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	20	0.56	0.05	0.54
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	20	0.56	0.03	0.56
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	20	0.55	0.04	0.56
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	20	0.55	0.16	0.54
(1,158)	1:235:A:ASN:HA	1:234:A:GLU:HB3	20	0.55	0.16	0.54
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	20	0.55	0.16	0.5
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	20	0.55	0.16	0.5
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	20	0.55	0.16	0.5
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD13	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD11	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD11	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD13	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD13	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD12	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD12	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD11	20	0.55	0.04	0.55
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD12	20	0.55	0.04	0.55
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	20	0.55	0.18	0.57
(1,298)	1:239:A:LEU:HG	1:243:A:VAL:H	20	0.55	0.18	0.57
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	20	0.54	0.05	0.54
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG12	20	0.54	0.05	0.54
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	20	0.54	0.05	0.54
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	20	0.54	0.15	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	20	0.54	0.15	0.56
(1,383)	1:224:A:ILE:HD12	1:242:B:ILE:HA	20	0.54	0.15	0.56
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	20	0.54	0.09	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	20	0.54	0.09	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	20	0.53	0.03	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	20	0.53	0.03	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	20	0.53	0.03	0.54
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD22	20	0.53	0.01	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	20	0.53	0.01	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD21	20	0.53	0.01	0.53
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	20	0.52	0.11	0.52
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	20	0.52	0.11	0.52
(2,1118)	1:227:A:ILE:HD12	1:230:A:GLU:H	20	0.52	0.11	0.52
(1,326)	1:238:A:VAL:HG12	1:239:A:LEU:HA	20	0.52	0.12	0.56
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	20	0.52	0.12	0.56
(1,326)	1:238:A:VAL:HG11	1:228:B:CYS:HA	20	0.52	0.12	0.56
(1,326)	1:238:A:VAL:HG13	1:239:A:LEU:HA	20	0.52	0.12	0.56
(1,326)	1:238:A:VAL:HG13	1:228:B:CYS:HA	20	0.52	0.12	0.56
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	20	0.52	0.14	0.5
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	20	0.52	0.14	0.5
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	20	0.52	0.14	0.5
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	20	0.51	0.44	0.27
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	20	0.51	0.44	0.27
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	20	0.51	0.44	0.27
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	20	0.51	0.25	0.56
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD11	20	0.5	0.1	0.52
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	20	0.5	0.1	0.52
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD13	20	0.5	0.1	0.52
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	20	0.5	0.12	0.51
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	20	0.5	0.12	0.51
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	20	0.5	0.01	0.5
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	20	0.5	0.02	0.5
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	20	0.5	0.04	0.5
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	20	0.5	0.04	0.5
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	20	0.5	0.04	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	20	0.5	0.12	0.46
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	20	0.5	0.12	0.46
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	20	0.5	0.12	0.46
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	20	0.5	0.2	0.46
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	20	0.5	0.2	0.46
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	20	0.5	0.2	0.46
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	20	0.5	0.19	0.5
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	20	0.5	0.19	0.5
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	20	0.5	0.19	0.5
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	20	0.49	0.1	0.46
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	20	0.49	0.1	0.46
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	20	0.49	0.1	0.46
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	20	0.49	0.1	0.49
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	20	0.49	0.1	0.49
(1,511)	1:200:A:VAL:HG22	1:199:B:GLN:HG2	20	0.49	0.1	0.49
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	20	0.49	0.19	0.47
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	20	0.49	0.19	0.47
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	20	0.49	0.19	0.47
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB1	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB3	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB2	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB1	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB2	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB3	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB2	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB1	20	0.49	0.11	0.44
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB3	20	0.49	0.11	0.44
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG21	20	0.49	0.1	0.54
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	20	0.49	0.1	0.54
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG22	20	0.49	0.1	0.54
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	20	0.49	0.11	0.52
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	20	0.48	0.06	0.48
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	20	0.48	0.21	0.38
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	20	0.48	0.11	0.46
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	20	0.48	0.11	0.46
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	20	0.48	0.11	0.46
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	20	0.48	0.09	0.5
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	20	0.48	0.09	0.5
(2,1432)	1:200:A:VAL:HG22	1:199:B:GLN:HE21	20	0.48	0.09	0.5
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	20	0.48	0.07	0.48
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG13	20	0.48	0.07	0.48
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	20	0.48	0.07	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	20	0.47	0.04	0.49
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	20	0.47	0.16	0.47
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	20	0.47	0.16	0.47
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	20	0.47	0.16	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	20	0.47	0.03	0.47
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	20	0.47	0.1	0.46
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	20	0.47	0.1	0.46
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	20	0.47	0.1	0.46
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD11	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG13	1:203:B:LEU:HD11	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG13	1:203:B:LEU:HD12	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD11	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD13	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD12	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD13	20	0.47	0.07	0.47
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD12	20	0.47	0.07	0.47
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	20	0.47	0.08	0.44
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	20	0.47	0.08	0.44
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD11	20	0.47	0.08	0.44
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	20	0.46	0.16	0.41
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	20	0.46	0.16	0.41
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	20	0.46	0.26	0.36
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	20	0.46	0.26	0.36
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	20	0.46	0.13	0.4
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	20	0.46	0.13	0.4
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	20	0.46	0.13	0.4
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	20	0.46	0.11	0.48
(2,818)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	20	0.46	0.11	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	20	0.46	0.11	0.48
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	20	0.45	0.0	0.45
(1,481)	1:205:A:LEU:HD22	1:208:A:GLU:H	20	0.45	0.04	0.46
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	20	0.45	0.04	0.46
(1,481)	1:205:A:LEU:HD21	1:208:A:GLU:H	20	0.45	0.04	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	20	0.45	0.02	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	20	0.45	0.02	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	20	0.45	0.02	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	20	0.45	0.05	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	20	0.45	0.05	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD22	20	0.45	0.05	0.45
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	20	0.45	0.07	0.45
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	20	0.45	0.07	0.45
(1,637)	1:255:A:ILE:HD12	2:5478:C:LYS:HD3	20	0.45	0.07	0.45
(1,637)	1:255:A:ILE:HD12	2:5479:C:ILE:HG22	20	0.45	0.07	0.45
(1,637)	1:255:A:ILE:HD13	2:5479:C:ILE:HG22	20	0.45	0.07	0.45
(1,637)	1:255:A:ILE:HD11	2:5479:C:ILE:HG23	20	0.45	0.07	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	20	0.44	0.03	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	20	0.44	0.03	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	20	0.44	0.03	0.44
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	20	0.44	0.16	0.46
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	20	0.44	0.16	0.46
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	20	0.44	0.16	0.46
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD21	20	0.44	0.09	0.46
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD22	20	0.44	0.09	0.46
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG11	20	0.44	0.09	0.46
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD23	20	0.44	0.09	0.46
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG13	20	0.44	0.09	0.46
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG12	20	0.44	0.09	0.46
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	20	0.44	0.06	0.42
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	20	0.44	0.06	0.42
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD12	20	0.44	0.06	0.42
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG11	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG13	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG12	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG12	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG22	1:238:A:VAL:HG13	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG13	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG22	1:238:A:VAL:HG11	20	0.44	0.1	0.45
(2,184)	1:238:A:VAL:HG22	1:238:A:VAL:HG12	20	0.44	0.1	0.45
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	20	0.44	0.07	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	20	0.44	0.07	0.42
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	20	0.44	0.07	0.42
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	20	0.44	0.05	0.44
(1,556)	1:193:A:ALA:HB1	1:194:A:ALA:HA	20	0.44	0.05	0.44
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	20	0.44	0.05	0.44
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	20	0.43	0.1	0.46
(1,305)	1:243:A:VAL:HG13	1:240:A:GLN:HB2	20	0.43	0.1	0.46
(1,305)	1:243:A:VAL:HG11	1:240:A:GLN:HB2	20	0.43	0.1	0.46
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	20	0.43	0.05	0.44
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	20	0.43	0.05	0.44
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG13	20	0.43	0.05	0.44
(1,84)	1:196:A:LEU:HD22	1:196:A:LEU:HG	20	0.43	0.01	0.44
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	20	0.43	0.01	0.44
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	20	0.43	0.01	0.44
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	20	0.43	0.01	0.43
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	20	0.43	0.02	0.44
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	20	0.43	0.02	0.44
(2,873)	1:206:A:THR:HG22	1:206:A:THR:H	20	0.43	0.02	0.44
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	20	0.42	0.1	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	20	0.42	0.1	0.4
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	20	0.42	0.04	0.42
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	20	0.42	0.04	0.42
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB2	20	0.42	0.04	0.42
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	20	0.42	0.04	0.42
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	20	0.42	0.04	0.42
(2,1286)	1:205:A:LEU:HD11	1:208:A:GLU:H	20	0.42	0.04	0.42
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	20	0.41	0.08	0.39
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	20	0.41	0.08	0.39
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD11	20	0.41	0.08	0.39
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	20	0.41	0.01	0.41
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	20	0.41	0.04	0.4
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	20	0.4	0.26	0.34
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	20	0.4	0.01	0.4
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	20	0.4	0.01	0.4
(2,410)	1:194:A:ALA:HB1	1:194:A:ALA:HA	20	0.4	0.01	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	20	0.4	0.49	0.24
(1,498)	1:202:A:VAL:HB	1:204:A:LYS:HB2	20	0.4	0.49	0.24
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	20	0.39	0.01	0.39
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	20	0.39	0.05	0.38
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	20	0.39	0.05	0.38
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	20	0.39	0.05	0.38
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD11	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD11	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD12	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD12	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD13	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD13	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD13	20	0.39	0.07	0.38
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD12	20	0.39	0.07	0.38
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	20	0.39	0.35	0.18
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	20	0.38	0.04	0.39
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD12	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD12	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD13	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD11	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD11	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD13	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD12	20	0.38	0.05	0.37
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD13	20	0.38	0.05	0.37
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	20	0.38	0.1	0.4
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	20	0.38	0.05	0.4
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	20	0.38	0.16	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	20	0.38	0.16	0.34
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	20	0.38	0.02	0.38
(2,416)	1:193:A:ALA:HB2	1:193:A:ALA:HA	20	0.38	0.02	0.38
(2,416)	1:193:A:ALA:HB1	1:193:A:ALA:HA	20	0.38	0.02	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	20	0.38	0.03	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	20	0.38	0.03	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	20	0.38	0.03	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	20	0.37	0.01	0.37
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	20	0.37	0.04	0.36
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG22	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG21	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG21	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD22	1:242:B:ILE:HG23	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD22	1:242:B:ILE:HG22	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG23	20	0.37	0.07	0.34
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG22	20	0.37	0.07	0.34
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	20	0.36	0.02	0.36
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	20	0.36	0.02	0.36
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD13	20	0.36	0.02	0.36
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	20	0.36	0.02	0.36
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	20	0.36	0.12	0.4
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	20	0.36	0.12	0.4
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG22	20	0.36	0.12	0.4
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG21	20	0.36	0.04	0.36
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	20	0.36	0.04	0.36
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG22	20	0.36	0.04	0.36
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	20	0.35	0.11	0.36
(1,171)	1:223:A:ASN:HA	1:227:A:ILE:HB	20	0.35	0.11	0.36
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	20	0.35	0.15	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	20	0.35	0.15	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	20	0.35	0.15	0.31
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	20	0.35	0.09	0.34
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	20	0.35	0.09	0.34
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	20	0.35	0.09	0.34
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	20	0.35	0.09	0.34
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	20	0.35	0.09	0.34
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	20	0.35	0.09	0.34
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD13	20	0.35	0.09	0.34
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	20	0.35	0.18	0.29
(2,276)	1:200:A:VAL:HG12	1:196:B:LEU:HB2	20	0.35	0.18	0.29
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	20	0.35	0.18	0.29
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	20	0.35	0.01	0.35
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	20	0.35	0.08	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,420)	1:209:A:ASP:HB2	1:213:A:GLU:HG2	20	0.35	0.08	0.35
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	20	0.35	0.08	0.35
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	20	0.34	0.08	0.34
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	20	0.34	0.08	0.34
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	20	0.34	0.08	0.34
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	20	0.33	0.07	0.38
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	20	0.33	0.07	0.38
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	20	0.33	0.14	0.29
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	20	0.33	0.14	0.29
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD11	20	0.33	0.14	0.29
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD22	20	0.33	0.1	0.36
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	20	0.33	0.1	0.36
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD21	20	0.33	0.1	0.36
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	20	0.33	0.1	0.33
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	20	0.33	0.1	0.33
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG23	20	0.33	0.1	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	20	0.33	0.01	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	20	0.33	0.01	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	20	0.33	0.01	0.33
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	20	0.32	0.03	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	20	0.32	0.03	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	20	0.32	0.03	0.32
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	20	0.32	0.14	0.27
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	20	0.32	0.14	0.27
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	20	0.32	0.01	0.32
(1,111)	1:200:A:VAL:HG11	1:200:A:VAL:HB	20	0.32	0.01	0.32
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	20	0.32	0.01	0.32
(1,111)	1:207:A:VAL:HG13	1:207:A:VAL:HB	20	0.32	0.01	0.32
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG22	20	0.32	0.13	0.24
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG21	20	0.32	0.13	0.24
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG23	20	0.32	0.13	0.24
(2,101)	1:210:A:LEU:HD21	1:206:A:THR:HG23	20	0.32	0.13	0.24
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG23	20	0.32	0.13	0.24
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG21	20	0.32	0.13	0.24
(2,101)	1:210:A:LEU:HD21	1:206:A:THR:HG22	20	0.32	0.13	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	20	0.31	0.0	0.31
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	20	0.31	0.04	0.3
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	20	0.31	0.07	0.32
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	20	0.31	0.09	0.28
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	20	0.3	0.06	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	20	0.3	0.06	0.31
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	20	0.3	0.1	0.29
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	20	0.3	0.14	0.26
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	20	0.3	0.1	0.3
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	20	0.3	0.1	0.3
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	20	0.3	0.1	0.3
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	20	0.3	0.02	0.3
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	20	0.3	0.02	0.3
(2,340)	1:202:A:VAL:HG22	1:202:A:VAL:HB	20	0.3	0.02	0.3
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	20	0.3	0.05	0.3
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	20	0.3	0.01	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	20	0.29	0.03	0.29
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	20	0.29	0.03	0.29
(1,450)	1:205:A:LEU:HB2	1:208:A:GLU:HB3	20	0.29	0.1	0.29
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	20	0.29	0.1	0.29
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG12	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG11	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG11	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG13	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG13	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG12	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG11	20	0.29	0.1	0.24
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	20	0.29	0.1	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD22	20	0.28	0.04	0.28
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	20	0.28	0.04	0.28
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD21	20	0.28	0.04	0.28
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	20	0.28	0.04	0.3
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD11	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD11	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD12	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD12	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD13	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD13	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD11	20	0.28	0.06	0.3
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD12	20	0.28	0.06	0.3
(2,103)	1:206:A:THR:HG22	1:207:B:VAL:HG22	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG22	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG22	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG23	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG22	1:207:B:VAL:HG21	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG21	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG21	20	0.27	0.07	0.26
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG23	20	0.27	0.07	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	20	0.27	0.02	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	20	0.27	0.02	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	20	0.27	0.02	0.27
(1,479)	1:205:A:LEU:HD22	1:206:A:THR:H	20	0.27	0.04	0.28
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	20	0.27	0.04	0.28
(1,479)	1:205:A:LEU:HD21	1:206:A:THR:H	20	0.27	0.04	0.28
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	20	0.26	0.05	0.28
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB2	20	0.26	0.05	0.28
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	20	0.26	0.05	0.28
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	20	0.26	0.05	0.24
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	20	0.26	0.01	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	20	0.26	0.03	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	20	0.26	0.03	0.26
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	20	0.26	0.01	0.26
(2,345)	1:202:A:VAL:HG11	1:202:A:VAL:HB	20	0.26	0.01	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	20	0.26	0.01	0.26
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	20	0.26	0.07	0.23
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	20	0.25	0.05	0.27
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	20	0.25	0.05	0.24
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	20	0.25	0.05	0.24
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	20	0.25	0.09	0.24
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	20	0.25	0.09	0.24
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	20	0.25	0.09	0.24
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	20	0.25	0.0	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	20	0.25	0.08	0.22
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	20	0.25	0.08	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	20	0.25	0.05	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	20	0.25	0.05	0.23
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	20	0.24	0.01	0.24
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD21	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD22	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD23	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD22	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD21	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD21	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD22	20	0.24	0.02	0.24
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD23	20	0.24	0.02	0.24
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	20	0.23	0.0	0.23
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	20	0.23	0.03	0.22
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	20	0.23	0.03	0.22
(2,145)	1:238:A:VAL:HG23	1:238:A:VAL:HB	20	0.23	0.03	0.22
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	20	0.23	0.09	0.2
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG21	20	0.23	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	20	0.23	0.09	0.2
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	20	0.23	0.03	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	20	0.23	0.03	0.23
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	20	0.23	0.05	0.23
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB1	20	0.23	0.05	0.23
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB3	20	0.23	0.05	0.23
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	20	0.23	0.09	0.22
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	20	0.23	0.09	0.22
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	20	0.23	0.09	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	20	0.22	0.03	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	20	0.22	0.02	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	20	0.22	0.02	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD11	20	0.22	0.02	0.22
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	20	0.22	0.06	0.2
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	20	0.21	0.02	0.21
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	20	0.21	0.04	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	20	0.21	0.04	0.22
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	20	0.2	0.03	0.2
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	20	0.2	0.03	0.21
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	20	0.2	0.04	0.18
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	20	0.2	0.01	0.19
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	20	0.2	0.01	0.19
(2,1277)	1:205:A:LEU:HD12	1:205:A:LEU:HB2	20	0.2	0.01	0.19
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	20	0.19	0.03	0.2
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	20	0.19	0.04	0.2
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	20	0.19	0.03	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	20	0.19	0.03	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	20	0.19	0.03	0.19
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	20	0.19	0.04	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	20	0.18	0.0	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	20	0.18	0.0	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD12	20	0.18	0.0	0.18
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	20	0.17	0.02	0.16
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	20	0.16	0.03	0.16
(2,112)	1:206:A:THR:HG22	1:206:A:THR:HB	20	0.16	0.02	0.17
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	20	0.16	0.02	0.17
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	20	0.16	0.02	0.17
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	20	0.14	0.0	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	20	0.14	0.01	0.14
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	20	0.13	0.02	0.12
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	19	2.17	0.63	2.5
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	19	1.84	0.85	2.23
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	19	1.84	0.85	2.23
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	19	1.84	0.85	2.23
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	19	1.73	0.62	2.06
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	19	1.42	0.32	1.47
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG21	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG22	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG11	1:249:A:THR:HG21	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG22	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG21	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG11	1:249:A:THR:HG22	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG23	19	1.26	0.37	1.2
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG23	19	1.26	0.37	1.2
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	19	1.12	0.08	1.14
(1,598)	1:207:A:VAL:HG23	1:211:A:GLU:HB3	19	1.12	0.08	1.14
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	19	1.12	0.08	1.14
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	19	0.97	0.63	0.67
(2,1136)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	19	0.97	0.63	0.67
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	19	0.97	0.63	0.67
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	19	0.91	0.31	0.87
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	19	0.91	0.31	0.87
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	19	0.87	0.36	0.73
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD13	19	0.81	0.08	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD12	19	0.81	0.08	0.81
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD11	19	0.81	0.08	0.81
(2,1770)	1:242:A:ILE:HD13	1:239:A:LEU:HD13	19	0.81	0.08	0.81
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD12	19	0.81	0.08	0.81
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD11	19	0.81	0.08	0.81
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD13	19	0.81	0.08	0.81
(2,1770)	1:242:A:ILE:HD13	1:239:A:LEU:HD11	19	0.81	0.08	0.81
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	19	0.8	0.19	0.7
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	19	0.8	0.19	0.7
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	19	0.8	0.19	0.7
(1,193)	1:210:A:LEU:HD21	1:212:B:LYS:H	19	0.78	0.46	0.49
(1,193)	1:210:A:LEU:HD22	1:208:B:GLU:H	19	0.78	0.46	0.49
(1,193)	1:210:A:LEU:HD23	1:208:B:GLU:H	19	0.78	0.46	0.49
(1,193)	1:210:A:LEU:HD22	1:212:B:LYS:H	19	0.78	0.46	0.49
(1,193)	1:208:A:GLU:H	1:210:A:LEU:HD23	19	0.78	0.46	0.49
(1,193)	1:210:A:LEU:HD23	1:212:B:LYS:H	19	0.78	0.46	0.49
(1,193)	1:210:A:LEU:HD21	1:208:B:GLU:H	19	0.78	0.46	0.49
(1,193)	1:208:A:GLU:H	1:210:A:LEU:HD21	19	0.78	0.46	0.49
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	19	0.72	0.23	0.83
(1,308)	1:239:A:LEU:HD21	1:236:A:ASP:HB3	19	0.72	0.23	0.83
(1,308)	1:239:A:LEU:HD23	1:236:B:ASP:HB3	19	0.72	0.23	0.83
(1,308)	1:239:A:LEU:HD22	1:236:B:ASP:HB3	19	0.72	0.23	0.83
(1,308)	1:239:A:LEU:HD22	1:236:A:ASP:HB3	19	0.72	0.23	0.83
(1,308)	1:239:A:LEU:HD23	1:236:A:ASP:HB3	19	0.72	0.23	0.83
(2,102)	1:206:A:THR:HG22	1:210:A:LEU:HD12	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD11	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD13	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD13	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG22	1:210:A:LEU:HD13	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD12	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD11	19	0.67	0.61	0.32
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD12	19	0.67	0.61	0.32
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	19	0.58	0.32	0.49
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	19	0.58	0.32	0.49
(2,2411)	1:239:A:LEU:HD23	1:238:B:VAL:HB	19	0.58	0.32	0.49
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	19	0.58	0.14	0.58
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	19	0.54	0.17	0.61
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	19	0.54	0.17	0.61
(2,1010)	1:238:A:VAL:HG23	1:231:B:ASN:HD22	19	0.54	0.17	0.61
(1,192)	1:210:A:LEU:HD21	1:209:B:ASP:H	19	0.53	0.23	0.44
(1,192)	1:210:A:LEU:HD22	1:209:B:ASP:H	19	0.53	0.23	0.44
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD21	19	0.53	0.23	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD23	19	0.53	0.23	0.44
(1,192)	1:210:A:LEU:HD23	1:209:B:ASP:H	19	0.53	0.23	0.44
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD22	19	0.53	0.23	0.44
(1,192)	1:210:A:LEU:HD22	1:213:B:GLU:H	19	0.53	0.23	0.44
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	19	0.51	0.16	0.54
(2,887)	1:246:A:LEU:HD23	1:222:A:ARG:HA	19	0.51	0.16	0.54
(2,887)	1:246:A:LEU:HD21	1:222:A:ARG:HA	19	0.51	0.16	0.54
(1,315)	1:239:A:LEU:HD11	1:231:A:ASN:HB2	19	0.49	0.27	0.41
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	19	0.49	0.27	0.41
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	19	0.49	0.27	0.41
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	19	0.45	0.07	0.46
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	19	0.45	0.07	0.46
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD22	19	0.45	0.07	0.46
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	19	0.44	0.31	0.3
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	19	0.44	0.31	0.3
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG23	19	0.44	0.31	0.3
(1,551)	1:196:A:LEU:HD12	1:199:B:GLN:H	19	0.41	0.29	0.26
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	19	0.41	0.29	0.26
(1,551)	1:196:A:LEU:HD13	1:199:B:GLN:H	19	0.41	0.29	0.26
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	19	0.41	0.14	0.41
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG11	19	0.41	0.14	0.41
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG13	19	0.41	0.14	0.41
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	19	0.4	0.06	0.39
(1,571)	1:208:A:GLU:HG2	1:204:A:LYS:HG3	19	0.4	0.06	0.39
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	19	0.36	0.08	0.38
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	19	0.35	0.1	0.36
(1,246)	1:255:A:ILE:HG22	2:5478:C:LYS:HG2	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG23	1:254:A:VAL:HG13	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG21	1:254:A:VAL:HG12	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG22	1:254:A:VAL:HG13	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG21	2:5478:C:LYS:HG2	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG22	1:254:A:VAL:HG11	19	0.35	0.09	0.37
(1,246)	1:255:A:ILE:HG21	1:254:A:VAL:HG13	19	0.35	0.09	0.37
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	19	0.34	0.08	0.34
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	19	0.33	0.1	0.37
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	19	0.33	0.1	0.37
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG22	19	0.33	0.1	0.37
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	19	0.29	0.06	0.3
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD11	19	0.29	0.06	0.3
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	19	0.29	0.06	0.3
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	19	0.27	0.18	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	19	0.27	0.18	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	19	0.27	0.18	0.18
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	19	0.26	0.1	0.25
(2,1345)	1:203:A:LEU:HD21	1:199:A:GLN:HG3	19	0.26	0.1	0.25
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	19	0.26	0.1	0.25
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD23	1:239:A:LEU:HD13	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD12	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD12	19	0.26	0.05	0.26
(2,174)	1:239:A:LEU:HD23	1:239:A:LEU:HD12	19	0.26	0.05	0.26
(2,67)	1:242:A:ILE:HD11	1:224:B:ILE:HA	19	0.23	0.09	0.22
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	19	0.23	0.09	0.22
(2,67)	1:242:A:ILE:HD13	1:224:B:ILE:HA	19	0.23	0.09	0.22
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	19	0.2	0.04	0.21
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	19	0.2	0.04	0.21
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	19	0.2	0.04	0.21
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	19	0.18	0.05	0.17
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	19	0.15	0.03	0.15
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	19	0.15	0.04	0.14
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	19	0.14	0.03	0.14
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	19	0.12	0.01	0.13
(2,839)	1:254:A:VAL:HG22	1:256:A:PRO:HD2	18	1.23	0.13	1.25
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	18	1.23	0.13	1.25
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	18	1.23	0.13	1.25
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	18	1.19	0.05	1.19
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	18	1.1	0.16	1.17
(2,1386)	1:202:A:VAL:HG13	1:201:A:LYS:HG2	18	1.1	0.16	1.17
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	18	1.1	0.16	1.17
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG22	18	1.08	0.14	1.12
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	18	1.08	0.14	1.12
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG23	18	1.08	0.14	1.12
(1,494)	1:202:A:VAL:HG22	1:204:B:LYS:HD3	18	1.04	0.1	1.04
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	18	1.04	0.1	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,494)	1:202:A:VAL:HG23	1:201:A:LYS:HG2	18	1.04	0.1	1.04
(1,494)	1:202:A:VAL:HG23	1:204:B:LYS:HD3	18	1.04	0.1	1.04
(1,494)	1:202:A:VAL:HG21	1:201:A:LYS:HG2	18	1.04	0.1	1.04
(1,494)	1:202:A:VAL:HG22	1:201:A:LYS:HG2	18	1.04	0.1	1.04
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	18	1.04	0.49	1.27
(1,533)	1:200:A:VAL:HG13	1:198:A:GLN:HB2	18	1.04	0.49	1.27
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	18	1.04	0.49	1.27
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	18	0.98	0.08	1.0
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	18	0.98	0.08	1.0
(1,232)	1:254:A:VAL:HG23	1:256:A:PRO:HD3	18	0.98	0.08	1.0
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE2	18	0.84	0.35	0.88
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE1	18	0.84	0.35	0.88
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	18	0.84	0.35	0.88
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE2	18	0.84	0.35	0.88
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE1	18	0.84	0.35	0.88
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE1	18	0.84	0.35	0.88
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	18	0.79	0.25	0.86
(2,1128)	1:226:A:LEU:HD21	1:229:A:GLN:HE21	18	0.79	0.25	0.86
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	18	0.79	0.25	0.86
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	18	0.71	0.14	0.72
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	18	0.71	0.14	0.72
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	18	0.71	0.14	0.72
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	18	0.68	0.26	0.67
(2,867)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	18	0.68	0.26	0.67
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	18	0.68	0.26	0.67
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	18	0.68	0.25	0.56
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG13	18	0.68	0.25	0.56
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	18	0.68	0.25	0.56
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	18	0.67	0.23	0.64
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	18	0.67	0.23	0.64
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	18	0.67	0.23	0.64
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	18	0.66	0.05	0.66
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	18	0.62	0.13	0.64
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	18	0.62	0.13	0.64
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	18	0.62	0.13	0.64
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	18	0.59	0.02	0.6
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	18	0.59	0.03	0.59
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	18	0.59	0.03	0.59
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG23	18	0.59	0.03	0.59
(1,96)	1:204:A:LYS:HE2	1:200:A:VAL:HG22	18	0.59	0.03	0.59
(1,96)	1:204:A:LYS:HE2	1:200:A:VAL:HG21	18	0.59	0.03	0.59
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	18	0.56	0.26	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	18	0.56	0.26	0.44
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG23	18	0.56	0.26	0.44
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	18	0.47	0.18	0.54
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	18	0.45	0.04	0.46
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	18	0.45	0.04	0.46
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	18	0.45	0.04	0.46
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	18	0.43	0.13	0.42
(2,78)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	18	0.43	0.13	0.42
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	18	0.43	0.13	0.42
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	18	0.42	0.08	0.44
(2,1493)	1:200:A:VAL:HG13	1:197:A:MET:HG2	18	0.42	0.08	0.44
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	18	0.42	0.08	0.44
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	18	0.39	0.13	0.4
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	18	0.39	0.13	0.4
(2,1764)	1:238:A:VAL:HG22	1:237:A:PRO:HD2	18	0.39	0.13	0.4
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD22	18	0.39	0.23	0.29
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	18	0.39	0.23	0.29
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	18	0.39	0.23	0.29
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	18	0.38	0.5	0.2
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	18	0.38	0.25	0.28
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	18	0.38	0.25	0.28
(1,463)	1:203:A:LEU:HD21	1:204:B:LYS:HB2	18	0.38	0.25	0.28
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	18	0.37	0.12	0.38
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	18	0.36	0.04	0.37
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	18	0.35	0.16	0.36
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB2	18	0.35	0.16	0.36
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	18	0.35	0.16	0.36
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	18	0.35	0.13	0.35
(2,1486)	1:200:A:VAL:HG13	1:197:A:MET:HG3	18	0.35	0.13	0.35
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	18	0.35	0.13	0.35
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	18	0.33	0.09	0.34
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB1	18	0.33	0.09	0.34
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	18	0.33	0.09	0.34
(2,916)	1:245:A:ILE:HG23	1:223:B:ASN:H	18	0.33	0.08	0.32
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	18	0.33	0.08	0.32
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	18	0.33	0.08	0.32
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	18	0.31	0.07	0.34
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	18	0.31	0.08	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	18	0.31	0.08	0.32
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	18	0.31	0.08	0.32
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	18	0.27	0.11	0.24
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	18	0.27	0.11	0.24
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD13	18	0.27	0.11	0.24
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	18	0.27	0.08	0.24
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	18	0.25	0.08	0.25
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	18	0.25	0.08	0.25
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG23	18	0.25	0.08	0.25
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	18	0.25	0.06	0.24
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	18	0.24	0.08	0.24
(2,2463)	1:200:A:VAL:HG12	1:199:B:GLN:HG3	18	0.24	0.08	0.24
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	18	0.24	0.08	0.24
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	18	0.24	0.04	0.23
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	18	0.24	0.04	0.23
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	18	0.24	0.04	0.23
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	18	0.24	0.04	0.23
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	18	0.24	0.04	0.23
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	18	0.24	0.04	0.23
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	18	0.23	0.03	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	18	0.23	0.06	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	18	0.23	0.06	0.24
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	18	0.18	0.05	0.18
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	18	0.18	0.05	0.18
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	18	0.18	0.05	0.18
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	18	0.18	0.04	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	18	0.18	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	18	0.18	0.04	0.17
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	18	0.18	0.06	0.16
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	18	0.18	0.06	0.16
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	18	0.18	0.06	0.16
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	18	0.16	0.03	0.16
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	18	0.16	0.1	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	18	0.14	0.03	0.13
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	18	0.14	0.01	0.14
(2,1631)	1:221:A:LEU:HD13	2:5479:C:ILE:HD12	17	1.31	0.25	1.28
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	17	1.31	0.25	1.28
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	17	1.31	0.25	1.28
(2,1631)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	17	1.31	0.25	1.28
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	17	1.31	0.25	1.28
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	17	1.31	0.25	1.28
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD13	17	1.31	0.25	1.28
(1,234)	1:254:A:VAL:HG22	1:255:A:ILE:HG12	17	1.29	0.29	1.31
(1,234)	1:254:A:VAL:HG21	1:255:A:ILE:HG12	17	1.29	0.29	1.31
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	17	1.29	0.29	1.31
(1,234)	1:254:A:VAL:HG23	2:5484:C:ARG:HG3	17	1.29	0.29	1.31
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	17	1.01	0.07	1.03
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	17	1.01	0.07	1.03
(2,1430)	1:200:A:VAL:HG23	1:204:A:LYS:HG3	17	1.01	0.07	1.03
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	17	0.84	0.07	0.85
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	17	0.78	0.06	0.78
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	17	0.78	0.06	0.78
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD11	17	0.78	0.06	0.78
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	17	0.75	0.27	0.82
(1,316)	1:239:A:LEU:HD12	1:234:A:GLU:HG3	17	0.75	0.27	0.82
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	17	0.75	0.27	0.82
(1,472)	1:196:A:LEU:HD23	1:193:A:ALA:HA	17	0.73	0.26	0.84
(1,472)	1:196:A:LEU:HD21	1:193:A:ALA:HA	17	0.73	0.26	0.84
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	17	0.73	0.26	0.84
(1,472)	1:196:A:LEU:HD23	1:193:B:ALA:HA	17	0.73	0.26	0.84
(1,472)	1:196:A:LEU:HD22	1:193:B:ALA:HA	17	0.73	0.26	0.84
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	17	0.7	0.13	0.72
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	17	0.64	0.23	0.51
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	17	0.62	0.07	0.63
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD22	17	0.62	0.07	0.63
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	17	0.62	0.07	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	17	0.57	0.17	0.63
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	17	0.56	0.15	0.53
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD21	17	0.56	0.15	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD22	17	0.56	0.15	0.53
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD22	17	0.54	0.15	0.59
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	17	0.54	0.15	0.59
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	17	0.54	0.15	0.59
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	17	0.53	0.18	0.61
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	17	0.53	0.27	0.61
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	17	0.52	0.31	0.44
(2,294)	1:207:A:VAL:HG21	1:204:A:LYS:HE3	17	0.52	0.31	0.44
(2,294)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	17	0.52	0.31	0.44
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	17	0.51	0.27	0.59
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	17	0.5	0.13	0.52
(1,582)	1:241:A:ARG:HG2	1:244:A:ASP:HB3	17	0.5	0.13	0.52
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	17	0.5	0.16	0.46
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	17	0.49	0.14	0.44
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD22	17	0.49	0.14	0.44
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	17	0.49	0.14	0.44
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	17	0.48	0.32	0.35
(1,118)	1:191:A:ASP:HB2	1:192:A:GLU:HG2	17	0.48	0.32	0.35
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	17	0.47	0.14	0.47
(2,1242)	1:210:A:LEU:HD13	1:211:B:GLU:HG3	17	0.47	0.14	0.47
(2,1242)	1:210:A:LEU:HD12	1:211:B:GLU:HG3	17	0.47	0.14	0.47
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	17	0.44	0.09	0.44
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD22	17	0.44	0.09	0.44
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	17	0.44	0.09	0.44
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	17	0.43	0.1	0.45
(2,1346)	1:203:A:LEU:HD22	1:204:B:LYS:HG3	17	0.43	0.1	0.45
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	17	0.43	0.1	0.45
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	17	0.43	0.27	0.33
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	17	0.43	0.27	0.33
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	17	0.42	0.1	0.42
(1,160)	1:232:A:GLU:HA	1:235:A:ASN:HB3	17	0.42	0.1	0.42
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	17	0.41	0.11	0.41
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG11	17	0.41	0.11	0.41
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG12	17	0.41	0.11	0.41
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	17	0.4	0.19	0.38
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD12	17	0.4	0.19	0.38
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD11	17	0.4	0.19	0.38
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	17	0.35	0.09	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	17	0.35	0.09	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	17	0.35	0.09	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	17	0.35	0.09	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	17	0.35	0.09	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	17	0.35	0.09	0.33
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	17	0.34	0.14	0.3
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	17	0.34	0.23	0.26
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	17	0.33	0.12	0.32
(1,282)	1:245:A:ILE:HD12	1:244:A:ASP:HB2	17	0.33	0.12	0.32
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD12	17	0.33	0.12	0.32
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD13	17	0.33	0.12	0.32
(1,282)	1:245:A:ILE:HD11	1:244:A:ASP:HB2	17	0.33	0.12	0.32
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	17	0.3	0.11	0.3
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	17	0.3	0.11	0.3
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG21	17	0.3	0.11	0.3
(1,197)	1:209:A:ASP:HA	1:212:A:LYS:HB3	17	0.28	0.07	0.3
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	17	0.28	0.07	0.3
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	17	0.28	0.08	0.28
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	17	0.27	0.1	0.24
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	17	0.26	0.08	0.23
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	17	0.24	0.06	0.23
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	17	0.24	0.06	0.23
(2,2410)	1:238:A:VAL:HG11	1:231:B:ASN:HD22	17	0.24	0.06	0.23
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	17	0.22	0.06	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	17	0.22	0.06	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	17	0.22	0.06	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	17	0.22	0.06	0.22
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	17	0.2	0.06	0.21
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	17	0.2	0.06	0.21
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG23	17	0.2	0.06	0.21
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	17	0.15	0.04	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	17	0.15	0.04	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	17	0.15	0.04	0.14
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	17	0.14	0.02	0.15
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	17	0.14	0.02	0.15
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	17	0.14	0.02	0.15
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	17	0.13	0.01	0.14
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	16	0.96	0.41	1.15
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	16	0.92	0.19	0.94
(2,95)	1:255:A:ILE:HD13	1:250:A:ASP:HA	16	0.92	0.19	0.94
(2,95)	1:255:A:ILE:HD11	1:250:A:ASP:HA	16	0.92	0.19	0.94
(2,1237)	1:210:A:LEU:HD13	1:214:B:ARG:HD2	16	0.86	0.2	0.96
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	16	0.86	0.2	0.96
(2,1237)	1:210:A:LEU:HD12	1:214:B:ARG:HD2	16	0.86	0.2	0.96
(2,2458)	1:221:A:LEU:HD12	1:217:B:TYR:HB2	16	0.73	0.33	0.8
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	16	0.73	0.33	0.8
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	16	0.73	0.33	0.8
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	16	0.72	0.39	0.78
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	16	0.58	0.48	0.22
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	16	0.58	0.24	0.66
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	16	0.58	0.24	0.66
(1,377)	1:224:A:ILE:HG23	1:221:A:LEU:HG	16	0.58	0.32	0.38
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG23	16	0.58	0.32	0.38
(1,377)	1:224:A:ILE:HG21	1:221:A:LEU:HG	16	0.58	0.32	0.38
(1,377)	1:224:A:ILE:HG22	1:221:A:LEU:HG	16	0.58	0.32	0.38
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG21	16	0.58	0.32	0.38
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG23	16	0.58	0.32	0.38
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG22	16	0.58	0.32	0.38
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	16	0.56	0.3	0.52
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	16	0.56	0.3	0.52
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	16	0.55	0.16	0.54
(2,85)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	16	0.55	0.16	0.54
(2,85)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	16	0.55	0.16	0.54
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	16	0.54	0.2	0.54
(1,255)	1:246:A:LEU:HD11	1:245:A:ILE:HG21	16	0.54	0.2	0.54
(1,255)	1:246:A:LEU:HD12	2:5479:C:ILE:HG12	16	0.54	0.2	0.54
(1,255)	1:246:A:LEU:HD11	2:5479:C:ILE:HG12	16	0.54	0.2	0.54
(1,255)	1:246:A:LEU:HD11	1:245:A:ILE:HG23	16	0.54	0.2	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	16	0.52	0.15	0.52
(2,2440)	1:249:A:THR:HG23	1:216:B:PHE:HZ	16	0.52	0.15	0.52
(2,2440)	1:249:A:THR:HG22	1:216:B:PHE:HZ	16	0.52	0.15	0.52
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	16	0.51	0.22	0.48
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD12	16	0.51	0.22	0.48
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD13	16	0.51	0.22	0.48
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	16	0.44	0.12	0.42
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD22	16	0.44	0.12	0.42
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	16	0.44	0.12	0.42
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	16	0.41	0.29	0.25
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	16	0.4	0.25	0.3
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	16	0.4	0.25	0.3
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	16	0.38	0.11	0.35
(1,739)	1:225:A:GLU:H	1:229:A:GLN:HB2	16	0.38	0.11	0.35
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	16	0.38	0.16	0.4
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD22	16	0.38	0.16	0.4
(1,28)	1:248:A:ALA:HB3	1:246:A:LEU:HD21	16	0.38	0.16	0.4
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD23	16	0.38	0.16	0.4
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD21	16	0.38	0.16	0.4
(1,28)	1:248:A:ALA:HB3	1:246:A:LEU:HD22	16	0.38	0.16	0.4
(2,2372)	1:210:A:LEU:HD13	1:211:B:GLU:HA	16	0.33	0.07	0.34
(2,2372)	1:210:A:LEU:HD12	1:211:B:GLU:HA	16	0.33	0.07	0.34
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	16	0.33	0.07	0.34
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	16	0.33	0.22	0.24
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	16	0.33	0.22	0.24
(2,896)	1:246:A:LEU:HD13	1:242:A:ILE:HG12	16	0.33	0.22	0.24
(2,1622)	1:254:A:VAL:HG22	1:255:A:ILE:HA	16	0.31	0.12	0.3
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	16	0.31	0.12	0.3
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	16	0.31	0.12	0.3
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	16	0.3	0.07	0.3
(2,2366)	1:207:A:VAL:HG13	1:203:B:LEU:HG	16	0.3	0.07	0.3
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	16	0.3	0.07	0.3
(2,871)	1:206:A:THR:HG22	1:207:A:VAL:H	16	0.26	0.07	0.29
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	16	0.26	0.07	0.29
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	16	0.26	0.07	0.29
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	16	0.26	0.11	0.22
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	16	0.26	0.11	0.22
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	16	0.26	0.11	0.22
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	16	0.26	0.05	0.25
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	16	0.26	0.05	0.25
(1,244)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	16	0.26	0.05	0.25
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	16	0.26	0.07	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	16	0.26	0.07	0.28
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	16	0.24	0.08	0.25
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	16	0.24	0.1	0.25
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	16	0.24	0.1	0.25
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG22	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG21	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG23	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG23	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG21	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG22	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG23	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG21	16	0.24	0.05	0.23
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG22	16	0.24	0.05	0.23
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	16	0.21	0.07	0.2
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	16	0.21	0.06	0.2
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	16	0.21	0.06	0.2
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	16	0.18	0.04	0.18
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	16	0.17	0.05	0.18
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD12	16	0.17	0.05	0.18
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD13	16	0.17	0.05	0.18
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	16	0.14	0.02	0.15
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	16	0.14	0.03	0.13
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	16	0.13	0.03	0.12
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	16	0.13	0.02	0.13
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD13	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD13	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD12	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD11	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD12	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG22	1:239:A:LEU:HD11	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD11	16	0.12	0.01	0.12
(2,147)	1:238:A:VAL:HG22	1:239:A:LEU:HD13	16	0.12	0.01	0.12
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	15	1.13	0.13	1.14
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	15	1.06	0.0	1.06
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	15	1.05	0.24	1.07
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG3	15	1.05	0.24	1.07
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	15	0.78	0.15	0.8
(1,414)	1:210:A:LEU:HD11	1:207:B:VAL:HG22	15	0.78	0.15	0.8
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	15	0.78	0.15	0.8
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG23	15	0.78	0.15	0.8
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG21	15	0.78	0.15	0.8
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	15	0.78	0.15	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,414)	1:210:A:LEU:HD11	1:207:B:VAL:HG21	15	0.78	0.15	0.8
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG23	15	0.78	0.15	0.8
(1,313)	1:239:A:LEU:HD11	1:231:A:ASN:HB3	15	0.56	0.27	0.64
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	15	0.56	0.27	0.64
(1,313)	1:239:A:LEU:HD12	1:231:A:ASN:HB3	15	0.56	0.27	0.64
(1,495)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	15	0.52	0.29	0.52
(1,495)	1:202:A:VAL:HG13	1:201:A:LYS:HD2	15	0.52	0.29	0.52
(1,495)	1:202:A:VAL:HG13	1:205:A:LEU:HB3	15	0.52	0.29	0.52
(1,495)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	15	0.52	0.29	0.52
(1,495)	1:202:A:VAL:HG12	1:205:A:LEU:HB3	15	0.52	0.29	0.52
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	15	0.52	0.21	0.62
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	15	0.52	0.21	0.62
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG22	15	0.5	0.21	0.55
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG21	15	0.5	0.21	0.55
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG23	15	0.5	0.21	0.55
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	15	0.47	0.0	0.47
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	15	0.44	0.11	0.43
(1,427)	1:207:A:VAL:HG11	1:203:B:LEU:HG	15	0.42	0.12	0.47
(1,427)	1:207:A:VAL:HG13	1:203:B:LEU:HG	15	0.42	0.12	0.47
(1,427)	1:200:A:VAL:HG13	1:196:B:LEU:HG	15	0.42	0.12	0.47
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	15	0.42	0.12	0.47
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD22	15	0.41	0.04	0.41
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD23	15	0.41	0.04	0.41
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	15	0.41	0.04	0.41
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	15	0.39	0.22	0.39
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	15	0.39	0.22	0.39
(2,299)	1:207:A:VAL:HG21	1:204:A:LYS:HE2	15	0.39	0.22	0.39
(2,1135)	1:226:A:LEU:HD12	2:5475:C:LYS:HG2	15	0.39	0.32	0.29
(2,1135)	1:226:A:LEU:HD13	2:5475:C:LYS:HG2	15	0.39	0.32	0.29
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	15	0.39	0.32	0.29
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	15	0.34	0.05	0.36
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	15	0.34	0.05	0.36
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	15	0.34	0.05	0.36
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	15	0.34	0.13	0.35
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	15	0.34	0.13	0.35
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	15	0.34	0.13	0.35
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	15	0.34	0.03	0.34
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	15	0.32	0.06	0.33
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	15	0.31	0.13	0.29
(2,875)	1:249:A:THR:HG23	1:216:B:PHE:HZ	15	0.31	0.13	0.29
(2,875)	1:249:A:THR:HG22	1:216:B:PHE:HZ	15	0.31	0.13	0.29
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	15	0.31	0.09	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,95)	1:207:A:VAL:HG21	1:204:A:LYS:HE3	15	0.31	0.09	0.32
(1,95)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	15	0.31	0.09	0.32
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	15	0.29	0.08	0.29
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	15	0.29	0.08	0.29
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	15	0.29	0.08	0.29
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	15	0.29	0.12	0.27
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD21	15	0.29	0.12	0.27
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD22	15	0.29	0.12	0.27
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG21	15	0.27	0.12	0.25
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	15	0.27	0.12	0.25
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG22	15	0.27	0.12	0.25
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	15	0.27	0.06	0.26
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	15	0.27	0.05	0.29
(1,15)	1:207:A:VAL:HA	1:210:A:LEU:HB3	15	0.27	0.05	0.29
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG23	15	0.27	0.05	0.29
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG21	15	0.27	0.05	0.29
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	15	0.21	0.05	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	15	0.21	0.05	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	15	0.21	0.05	0.21
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	15	0.18	0.01	0.18
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	15	0.18	0.04	0.17
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	15	0.15	0.04	0.15
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	15	0.14	0.04	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	15	0.14	0.04	0.13
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	15	0.14	0.02	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	15	0.12	0.01	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	15	0.12	0.01	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	15	0.12	0.01	0.12
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	14	1.14	0.09	1.11
(1,413)	1:210:A:LEU:HD11	1:208:A:GLU:H	14	1.14	0.09	1.11
(1,413)	1:210:A:LEU:HD13	1:208:A:GLU:H	14	1.14	0.09	1.11
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG21	14	1.06	0.19	1.05
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG22	14	1.06	0.19	1.05
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG23	14	1.06	0.19	1.05
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	14	0.84	0.22	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	14	0.72	0.04	0.72
(2,1395)	1:202:A:VAL:HG13	1:198:A:GLN:HE22	14	0.72	0.04	0.72
(2,1395)	1:202:A:VAL:HG12	1:198:A:GLN:HE22	14	0.72	0.04	0.72
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	14	0.69	0.15	0.66
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD12	14	0.69	0.15	0.66
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD11	14	0.69	0.15	0.66
(2,109)	1:206:A:THR:HG22	1:210:A:LEU:HG	14	0.61	0.06	0.64
(2,109)	1:206:A:THR:HG21	1:210:A:LEU:HG	14	0.61	0.06	0.64
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	14	0.61	0.06	0.64
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	14	0.57	0.28	0.48
(2,108)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	14	0.57	0.28	0.48
(2,108)	1:249:A:THR:HG23	2:5480:C:PRO:HB2	14	0.57	0.28	0.48
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	14	0.53	0.57	0.19
(2,2437)	1:245:A:ILE:HG21	1:220:B:LYS:HG2	14	0.53	0.57	0.19
(2,2437)	1:245:A:ILE:HG22	1:220:B:LYS:HG2	14	0.53	0.57	0.19
(1,237)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	14	0.51	0.11	0.52
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	14	0.51	0.11	0.52
(1,237)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	14	0.51	0.11	0.52
(1,237)	1:255:A:ILE:HB	1:254:A:VAL:HG13	14	0.51	0.11	0.52
(1,411)	1:210:A:LEU:HD11	1:211:B:GLU:H	14	0.48	0.07	0.5
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD12	14	0.48	0.07	0.5
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	14	0.48	0.07	0.5
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD11	14	0.48	0.07	0.5
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	14	0.48	0.19	0.48
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	14	0.48	0.19	0.48
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	14	0.4	0.2	0.38
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD12	14	0.4	0.2	0.38
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD11	14	0.4	0.2	0.38
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG21	14	0.39	0.14	0.4
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	14	0.39	0.14	0.4
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG22	14	0.39	0.14	0.4
(1,236)	1:254:A:VAL:HG22	2:5484:C:ARG:H	14	0.39	0.14	0.4
(1,569)	1:205:A:LEU:HD22	1:209:A:ASP:HA	14	0.38	0.07	0.38
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	14	0.38	0.07	0.38
(1,569)	1:205:A:LEU:HD21	1:209:A:ASP:HA	14	0.38	0.07	0.38
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB1	14	0.37	0.13	0.39
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB3	14	0.37	0.13	0.39
(2,1358)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	14	0.37	0.13	0.39
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB2	14	0.37	0.13	0.39
(2,1358)	1:196:A:LEU:HD22	1:193:B:ALA:HB3	14	0.37	0.13	0.39
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB2	14	0.37	0.13	0.39
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB3	14	0.37	0.13	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	14	0.37	0.13	0.39
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	14	0.33	0.02	0.34
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	14	0.31	0.09	0.32
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	14	0.3	0.06	0.32
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	14	0.25	0.07	0.26
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	14	0.25	0.07	0.26
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	14	0.25	0.07	0.26
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	14	0.22	0.15	0.17
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	14	0.22	0.15	0.17
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	14	0.22	0.15	0.17
(2,870)	1:249:A:THR:HG21	1:251:A:GLU:H	14	0.21	0.1	0.18
(2,870)	1:249:A:THR:HG23	1:251:A:GLU:H	14	0.21	0.1	0.18
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	14	0.21	0.1	0.18
(2,447)	1:255:A:ILE:HG22	2:5478:C:LYS:HA	14	0.21	0.06	0.21
(2,447)	1:255:A:ILE:HG21	2:5478:C:LYS:HA	14	0.21	0.06	0.21
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	14	0.21	0.06	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	14	0.21	0.04	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	14	0.21	0.04	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	14	0.21	0.04	0.21
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG12	14	0.2	0.04	0.2
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG11	14	0.2	0.04	0.2
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG13	14	0.2	0.04	0.2
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	14	0.2	0.04	0.2
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	14	0.2	0.04	0.22
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	14	0.19	0.04	0.18
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	14	0.17	0.04	0.16
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	13	1.72	0.03	1.71
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	13	1.23	0.06	1.23
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	13	0.8	0.04	0.8
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	13	0.8	0.04	0.8
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG21	13	0.79	1.06	0.23
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	13	0.79	1.06	0.23
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG23	13	0.79	1.06	0.23
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	13	0.69	0.02	0.69
(1,491)	1:202:A:VAL:HG22	1:201:A:LYS:HB2	13	0.62	0.41	0.54
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	13	0.62	0.41	0.54
(1,491)	1:202:A:VAL:HG23	1:204:A:LYS:HB2	13	0.62	0.41	0.54
(1,491)	1:202:A:VAL:HG23	1:201:A:LYS:HB2	13	0.62	0.41	0.54
(1,491)	1:202:A:VAL:HG22	1:204:A:LYS:HB2	13	0.62	0.41	0.54
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	13	0.58	0.35	0.29
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	13	0.57	0.4	0.27
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	13	0.5	0.05	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	13	0.49	0.0	0.49
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG23	13	0.48	0.16	0.54
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	13	0.48	0.16	0.54
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG21	13	0.48	0.16	0.54
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	13	0.48	0.22	0.59
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG12	13	0.41	0.22	0.42
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG13	13	0.41	0.22	0.42
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG11	13	0.41	0.22	0.42
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	13	0.35	0.09	0.38
(2,1359)	1:196:A:LEU:HD23	1:197:B:MET:H	13	0.29	0.05	0.3
(2,1359)	1:196:A:LEU:HD21	1:197:B:MET:H	13	0.29	0.05	0.3
(2,1359)	1:196:A:LEU:HD22	1:197:B:MET:H	13	0.29	0.05	0.3
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	13	0.29	0.06	0.31
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	13	0.29	0.04	0.28
(1,488)	1:202:A:VAL:HG22	1:201:A:LYS:HA	13	0.27	0.07	0.27
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	13	0.27	0.07	0.27
(1,488)	1:202:A:VAL:HG23	1:201:A:LYS:HA	13	0.27	0.07	0.27
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	13	0.26	0.07	0.28
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG12	13	0.26	0.07	0.28
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG13	13	0.26	0.07	0.28
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	13	0.26	0.07	0.27
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	13	0.23	0.07	0.22
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	13	0.23	0.07	0.22
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	13	0.23	0.07	0.22
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	13	0.21	0.07	0.22
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD11	13	0.21	0.07	0.22
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	13	0.21	0.07	0.22
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	13	0.21	0.03	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	13	0.21	0.03	0.21
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	13	0.21	0.03	0.2
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB2	13	0.21	0.03	0.2
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB3	13	0.21	0.03	0.2
(2,2340)	1:193:A:ALA:HB3	1:196:B:LEU:HD12	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD12	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD11	13	0.21	0.08	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2340)	1:193:A:ALA:HB3	1:196:B:LEU:HD13	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD11	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD12	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD13	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD13	13	0.21	0.08	0.18
(2,2340)	1:193:A:ALA:HB3	1:196:B:LEU:HD11	13	0.21	0.08	0.18
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	13	0.2	0.08	0.19
(2,2523)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	13	0.19	0.05	0.19
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	13	0.19	0.05	0.19
(2,2523)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	13	0.19	0.05	0.19
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG23	13	0.18	0.05	0.18
(2,2499)	1:207:A:VAL:HG11	1:206:B:THR:HG21	13	0.18	0.05	0.18
(2,2499)	1:207:A:VAL:HG13	1:206:B:THR:HG21	13	0.18	0.05	0.18
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG21	13	0.18	0.05	0.18
(2,2499)	1:207:A:VAL:HG11	1:206:B:THR:HG23	13	0.18	0.05	0.18
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG22	13	0.18	0.05	0.18
(2,2499)	1:207:A:VAL:HG13	1:206:B:THR:HG23	13	0.18	0.05	0.18
(2,2495)	1:197:A:MET:HE2	1:196:B:LEU:HD11	13	0.16	0.06	0.14
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD13	13	0.16	0.06	0.14
(2,2495)	1:197:A:MET:HE3	1:196:B:LEU:HD13	13	0.16	0.06	0.14
(2,2495)	1:197:A:MET:HE3	1:196:B:LEU:HD12	13	0.16	0.06	0.14
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD12	13	0.16	0.06	0.14
(2,2495)	1:197:A:MET:HE2	1:196:B:LEU:HD13	13	0.16	0.06	0.14
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD11	13	0.16	0.06	0.14
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	13	0.16	0.03	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	13	0.16	0.03	0.17
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	13	0.13	0.02	0.13
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	13	0.13	0.02	0.13
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	13	0.13	0.02	0.13
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	12	1.0	0.27	1.01
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	12	1.0	0.27	1.01
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	12	1.0	0.27	1.01
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	12	0.87	0.58	0.83
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	12	0.67	0.26	0.72
(1,983)	2:5476:C:PRO:HG2	2:5475:C:LYS:HD2	12	0.67	0.26	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	12	0.57	0.57	0.35
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	12	0.55	0.21	0.54
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	12	0.55	0.21	0.54
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	12	0.55	0.21	0.54
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB2	12	0.38	0.23	0.33
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB3	12	0.38	0.23	0.33
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB1	12	0.38	0.23	0.33
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	12	0.38	0.0	0.38
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	12	0.35	0.03	0.35
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	12	0.32	0.16	0.24
(1,496)	1:202:A:VAL:HG11	1:201:A:LYS:HG3	12	0.32	0.1	0.32
(1,496)	1:202:A:VAL:HG13	1:201:A:LYS:HG3	12	0.32	0.1	0.32
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	12	0.32	0.1	0.32
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	12	0.29	0.04	0.3
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	12	0.29	0.16	0.21
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	12	0.25	0.13	0.21
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	12	0.25	0.03	0.24
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	12	0.22	0.06	0.22
(2,2497)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	12	0.22	0.06	0.22
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG23	12	0.21	0.07	0.22
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG22	12	0.21	0.07	0.22
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	12	0.21	0.07	0.22
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	12	0.21	0.03	0.22
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	12	0.2	0.07	0.18
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	12	0.2	0.07	0.2
(2,2365)	1:207:A:VAL:HG21	1:203:B:LEU:HG	12	0.2	0.07	0.2
(2,2365)	1:207:A:VAL:HG22	1:203:B:LEU:HG	12	0.2	0.07	0.2
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	12	0.18	0.04	0.18
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	12	0.18	0.04	0.18
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	12	0.18	0.04	0.18
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	12	0.18	0.03	0.18
(2,1380)	1:202:A:VAL:HG11	1:201:A:LYS:HA	12	0.16	0.04	0.15
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	12	0.16	0.04	0.15
(2,1380)	1:202:A:VAL:HG13	1:201:A:LYS:HA	12	0.16	0.04	0.15
(1,371)	1:226:A:LEU:HD23	2:5475:C:LYS:HE2	11	1.17	0.42	1.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,371)	1:226:A:LEU:HD22	1:222:A:ARG:HD3	11	1.17	0.42	1.27
(1,371)	1:226:A:LEU:HD23	1:222:A:ARG:HD3	11	1.17	0.42	1.27
(1,371)	1:226:A:LEU:HD22	2:5475:C:LYS:HE2	11	1.17	0.42	1.27
(1,371)	1:226:A:LEU:HD21	1:222:A:ARG:HD3	11	1.17	0.42	1.27
(2,840)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	11	0.55	0.51	0.21
(2,840)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	11	0.55	0.51	0.21
(2,840)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	11	0.55	0.51	0.21
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	11	0.47	0.31	0.5
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	11	0.47	0.31	0.5
(2,844)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	11	0.44	0.2	0.47
(2,844)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	11	0.44	0.2	0.47
(2,844)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	11	0.44	0.2	0.47
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	11	0.41	0.22	0.43
(1,969)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	11	0.41	0.22	0.43
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	11	0.33	0.01	0.33
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD23	11	0.32	0.15	0.31
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD22	11	0.32	0.15	0.31
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD21	11	0.32	0.15	0.31
(1,259)	1:246:A:LEU:HD22	2:5479:C:ILE:HG22	11	0.28	0.1	0.32
(1,259)	1:246:A:LEU:HD23	2:5479:C:ILE:HG21	11	0.28	0.1	0.32
(1,259)	1:246:A:LEU:HD21	1:220:B:LYS:HB2	11	0.28	0.1	0.32
(1,259)	1:246:A:LEU:HD21	1:220:B:LYS:HG2	11	0.28	0.1	0.32
(1,259)	1:246:A:LEU:HD23	2:5479:C:ILE:HG22	11	0.28	0.1	0.32
(1,259)	1:246:A:LEU:HD22	2:5479:C:ILE:HG23	11	0.28	0.1	0.32
(2,1621)	1:254:A:VAL:HG22	2:5481:C:THR:HB	11	0.27	0.12	0.26
(2,1621)	1:254:A:VAL:HG21	2:5481:C:THR:HB	11	0.27	0.12	0.26
(2,1621)	1:254:A:VAL:HG23	2:5481:C:THR:HB	11	0.27	0.12	0.26
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	11	0.26	0.09	0.26
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	11	0.26	0.09	0.26
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	11	0.26	0.09	0.26
(1,178)	1:215:A:ASP:HA	1:211:A:GLU:HA	11	0.26	0.13	0.26
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	11	0.26	0.13	0.26
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	11	0.24	0.05	0.26
(1,233)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	11	0.22	0.09	0.21
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	11	0.22	0.09	0.21
(1,233)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	11	0.22	0.09	0.21
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	11	0.22	0.05	0.23
(2,2342)	1:196:A:LEU:HD23	1:197:B:MET:H	11	0.2	0.03	0.19
(2,2342)	1:196:A:LEU:HD21	1:197:B:MET:H	11	0.2	0.03	0.19
(2,2342)	1:196:A:LEU:HD22	1:197:B:MET:H	11	0.2	0.03	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	11	0.19	0.05	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	11	0.19	0.05	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	11	0.19	0.05	0.19
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	11	0.19	0.04	0.19
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	11	0.19	0.04	0.19
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	11	0.19	0.04	0.19
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	11	0.15	0.03	0.15
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	11	0.13	0.02	0.12
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	11	0.13	0.02	0.13
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	11	0.13	0.02	0.13
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	11	0.13	0.02	0.13
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	11	0.13	0.02	0.13
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	11	0.11	0.01	0.11
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	10	0.78	0.43	1.05
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	10	0.73	0.79	0.24
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	10	0.62	0.2	0.68
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	10	0.48	0.23	0.41
(2,1238)	1:210:A:LEU:HD11	1:214:B:ARG:HD3	10	0.48	0.23	0.41
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD12	10	0.44	0.24	0.42
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	10	0.44	0.24	0.42
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	10	0.4	0.22	0.33
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG23	10	0.34	0.2	0.32
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG22	10	0.34	0.2	0.32
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG21	10	0.34	0.2	0.32
(2,994)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	10	0.31	0.16	0.28
(2,994)	1:239:A:LEU:HD21	1:228:A:CYS:HB2	10	0.31	0.16	0.28
(2,994)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	10	0.31	0.16	0.28
(1,361)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	10	0.3	0.16	0.28
(1,361)	1:239:A:LEU:HD21	1:228:A:CYS:HB2	10	0.3	0.16	0.28
(1,361)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	10	0.3	0.16	0.28
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	10	0.29	0.26	0.16
(1,200)	1:202:A:VAL:HA	1:204:A:LYS:HB2	10	0.29	0.26	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	10	0.26	0.14	0.2
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	10	0.26	0.14	0.2
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	10	0.26	0.14	0.2
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD21	10	0.22	0.1	0.2
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD23	10	0.22	0.1	0.2
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD22	10	0.22	0.1	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD21	10	0.21	0.06	0.21
(2,431)	1:193:A:ALA:HB3	1:196:B:LEU:HD21	10	0.21	0.06	0.21
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	10	0.21	0.06	0.21
(2,431)	1:193:A:ALA:HB2	1:196:B:LEU:HD21	10	0.21	0.06	0.21
(2,431)	1:193:A:ALA:HB3	1:196:B:LEU:HD23	10	0.21	0.06	0.21
(2,431)	1:193:A:ALA:HB2	1:196:B:LEU:HD23	10	0.21	0.06	0.21
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD23	10	0.21	0.06	0.21
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD13	10	0.18	0.06	0.14
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD12	10	0.18	0.06	0.14
(1,256)	1:245:A:ILE:H	1:246:A:LEU:HD11	10	0.18	0.06	0.14
(1,256)	1:245:A:ILE:H	1:246:A:LEU:HD13	10	0.18	0.06	0.14
(1,256)	1:245:A:ILE:H	1:246:A:LEU:HD12	10	0.18	0.06	0.14
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	10	0.17	0.04	0.18
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	10	0.17	0.04	0.18
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	10	0.17	0.04	0.18
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB2	10	0.17	0.04	0.16
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB3	10	0.17	0.04	0.16
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB1	10	0.17	0.04	0.16
(1,549)	1:196:A:LEU:HD12	1:194:B:ALA:H	10	0.16	0.03	0.16
(1,549)	1:196:A:LEU:HD11	1:194:B:ALA:H	10	0.16	0.03	0.16
(1,549)	1:196:A:LEU:HD13	1:194:B:ALA:H	10	0.16	0.03	0.16
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	10	0.15	0.04	0.15
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	10	0.15	0.04	0.15
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	10	0.15	0.04	0.15
(2,121)	1:246:A:LEU:HD12	1:224:A:ILE:HG22	10	0.14	0.03	0.12
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG23	10	0.14	0.03	0.12
(2,121)	1:246:A:LEU:HD12	1:224:A:ILE:HG23	10	0.14	0.03	0.12
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG21	10	0.14	0.03	0.12
(2,121)	1:246:A:LEU:HD13	1:224:A:ILE:HG23	10	0.14	0.03	0.12
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	10	0.13	0.02	0.12
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	10	0.12	0.01	0.12
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	10	0.12	0.01	0.12
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	9	1.32	0.51	1.33
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HG3	9	1.32	0.51	1.33
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	9	1.16	0.48	1.25
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	9	0.61	0.35	0.58
(2,1620)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	9	0.55	0.18	0.62
(2,1620)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	9	0.55	0.18	0.62
(2,1620)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	9	0.55	0.18	0.62
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	9	0.51	0.31	0.52
(2,1745)	1:239:A:LEU:HD21	1:235:A:ASN:HB3	9	0.41	0.14	0.42
(2,1745)	1:239:A:LEU:HD23	1:235:A:ASN:HB3	9	0.41	0.14	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1745)	1:239:A:LEU:HD22	1:235:A:ASN:HB3	9	0.41	0.14	0.42
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	9	0.37	0.13	0.36
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	9	0.37	0.13	0.36
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	9	0.37	0.13	0.36
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB3	9	0.35	0.04	0.35
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB1	9	0.35	0.04	0.35
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	9	0.31	0.08	0.29
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB3	9	0.26	0.18	0.17
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB1	9	0.26	0.18	0.17
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB2	9	0.26	0.18	0.17
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	9	0.23	0.08	0.19
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	9	0.22	0.05	0.24
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	9	0.22	0.05	0.24
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	9	0.22	0.05	0.24
(2,1362)	1:203:A:LEU:HD11	1:202:A:VAL:H	9	0.22	0.1	0.17
(2,1362)	1:203:A:LEU:HD13	1:202:A:VAL:H	9	0.22	0.1	0.17
(2,1362)	1:203:A:LEU:HD12	1:202:A:VAL:H	9	0.22	0.1	0.17
(1,241)	1:254:A:VAL:HG11	2:5483:C:GLN:HE22	9	0.22	0.06	0.21
(1,241)	1:254:A:VAL:HG13	2:5483:C:GLN:HE22	9	0.22	0.06	0.21
(1,241)	1:254:A:VAL:HG12	2:5483:C:GLN:HE22	9	0.22	0.06	0.21
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	9	0.21	0.09	0.17
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	9	0.21	0.09	0.17
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	9	0.21	0.09	0.17
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	9	0.2	0.04	0.2
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	9	0.18	0.04	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	9	0.18	0.04	0.18
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	9	0.18	0.03	0.17
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG22	9	0.18	0.04	0.19
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG22	9	0.18	0.04	0.19
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG23	9	0.18	0.04	0.19
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG21	9	0.18	0.04	0.19
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG21	9	0.18	0.04	0.19
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG23	9	0.18	0.04	0.19
(2,367)	1:207:A:VAL:HG23	1:206:B:THR:HG21	9	0.18	0.04	0.19
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	9	0.16	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	9	0.16	0.04	0.17
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	9	0.16	0.04	0.17
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	9	0.15	0.03	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	9	0.15	0.03	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	9	0.15	0.03	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	9	0.15	0.03	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	9	0.15	0.03	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	9	0.15	0.03	0.15
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	9	0.13	0.03	0.12
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD23	9	0.13	0.01	0.12
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD22	9	0.13	0.01	0.12
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD21	9	0.13	0.01	0.12
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	8	1.18	0.4	1.33
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	8	1.04	0.42	1.27
(2,846)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	8	0.81	0.49	0.7
(2,846)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	8	0.81	0.49	0.7
(2,846)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	8	0.81	0.49	0.7
(2,91)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	8	0.81	0.8	0.46
(2,91)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	8	0.81	0.8	0.46
(2,91)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	8	0.81	0.8	0.46
(2,225)	1:226:A:LEU:HD12	1:222:A:ARG:HD3	8	0.69	0.62	0.46
(2,225)	1:226:A:LEU:HD11	1:222:A:ARG:HD3	8	0.69	0.62	0.46
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	8	0.64	0.39	0.7
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	8	0.64	0.39	0.7
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	8	0.64	0.39	0.7
(2,1384)	1:202:A:VAL:HG11	1:199:A:GLN:HG3	8	0.56	0.21	0.6
(2,1384)	1:202:A:VAL:HG13	1:199:A:GLN:HG3	8	0.56	0.21	0.6
(2,1384)	1:202:A:VAL:HG12	1:199:A:GLN:HG3	8	0.56	0.21	0.6
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG23	8	0.5	0.34	0.32
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG21	8	0.5	0.34	0.32
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG22	8	0.5	0.34	0.32
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	8	0.47	0.43	0.24
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	8	0.41	0.22	0.36
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	8	0.38	0.16	0.32
(1,976)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	8	0.38	0.16	0.32
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD11	8	0.38	0.14	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD12	8	0.38	0.14	0.42
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD13	8	0.38	0.14	0.42
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	8	0.37	0.08	0.34
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	8	0.37	0.07	0.38
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	8	0.36	0.34	0.2
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	8	0.36	0.34	0.2
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	8	0.36	0.34	0.2
(2,849)	1:254:A:VAL:HG11	2:5483:C:GLN:H	8	0.36	0.12	0.37
(2,849)	1:254:A:VAL:HG12	2:5483:C:GLN:H	8	0.36	0.12	0.37
(2,849)	1:254:A:VAL:HG13	2:5483:C:GLN:H	8	0.36	0.12	0.37
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	8	0.35	0.12	0.38
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD12	8	0.34	0.2	0.26
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD13	8	0.34	0.2	0.26
(1,175)	1:220:A:LYS:HA	1:221:A:LEU:HD12	8	0.34	0.2	0.26
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	8	0.33	0.24	0.2
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD11	8	0.31	0.08	0.32
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD13	8	0.31	0.08	0.32
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD12	8	0.31	0.08	0.32
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD11	8	0.3	0.17	0.26
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD12	8	0.3	0.17	0.26
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD13	8	0.3	0.17	0.26
(2,1357)	1:203:A:LEU:HD13	1:204:B:LYS:HD3	8	0.3	0.15	0.3
(2,1357)	1:203:A:LEU:HD11	1:204:B:LYS:HD3	8	0.3	0.15	0.3
(2,1357)	1:203:A:LEU:HD12	1:204:B:LYS:HD3	8	0.3	0.15	0.3
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	8	0.27	0.07	0.26
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	8	0.27	0.07	0.26
(1,544)	1:196:A:LEU:HD11	1:197:B:MET:HG3	8	0.27	0.07	0.3
(1,544)	1:196:A:LEU:HD13	1:197:B:MET:HG3	8	0.27	0.07	0.3
(1,544)	1:196:A:LEU:HD12	1:197:B:MET:HG3	8	0.27	0.07	0.3
(1,309)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	8	0.25	0.13	0.21
(1,309)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	8	0.25	0.13	0.21
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	8	0.24	0.04	0.24
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	8	0.24	0.04	0.24
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	8	0.24	0.04	0.24
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	8	0.24	0.04	0.24
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	8	0.24	0.04	0.24
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	8	0.24	0.04	0.24
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	8	0.2	0.07	0.16
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	8	0.19	0.05	0.21
(2,188)	1:238:A:VAL:HG11	1:238:A:VAL:HB	8	0.18	0.02	0.18
(2,188)	1:238:A:VAL:HG13	1:238:A:VAL:HB	8	0.18	0.02	0.18
(2,188)	1:238:A:VAL:HG12	1:238:A:VAL:HB	8	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1236)	1:210:A:LEU:HD13	1:211:B:GLU:HA	8	0.14	0.02	0.15
(2,1236)	1:210:A:LEU:HD12	1:211:B:GLU:HA	8	0.14	0.02	0.15
(2,1236)	1:210:A:LEU:HD11	1:211:B:GLU:HA	8	0.14	0.02	0.15
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	8	0.12	0.01	0.12
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	8	0.11	0.01	0.12
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	8	0.11	0.01	0.11
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	7	0.76	0.56	0.62
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	7	0.69	0.23	0.67
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	7	0.68	0.64	0.16
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	7	0.4	0.22	0.35
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	7	0.36	0.32	0.18
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	7	0.36	0.2	0.33
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	7	0.34	0.0	0.34
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	7	0.33	0.09	0.37
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB1	7	0.33	0.06	0.33
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB3	7	0.33	0.06	0.33
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB2	7	0.33	0.06	0.33
(2,343)	1:202:A:VAL:HG13	1:199:A:GLN:HA	7	0.31	0.06	0.29
(2,343)	1:202:A:VAL:HG11	1:199:A:GLN:HA	7	0.31	0.06	0.29
(2,343)	1:202:A:VAL:HG12	1:199:A:GLN:HA	7	0.31	0.06	0.29
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	7	0.3	0.07	0.28
(1,399)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	7	0.29	0.19	0.19
(1,399)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	7	0.29	0.19	0.19
(1,412)	1:209:A:ASP:H	1:210:A:LEU:HD12	7	0.28	0.11	0.3
(1,412)	1:213:A:GLU:H	1:210:A:LEU:HD12	7	0.28	0.11	0.3
(1,412)	1:209:A:ASP:H	1:210:A:LEU:HD11	7	0.28	0.11	0.3
(1,412)	1:213:A:GLU:H	1:210:A:LEU:HD11	7	0.28	0.11	0.3
(2,947)	1:243:A:VAL:HG13	1:246:A:LEU:HB3	7	0.28	0.07	0.27
(2,947)	1:243:A:VAL:HG11	1:246:A:LEU:HB3	7	0.28	0.07	0.27
(2,947)	1:243:A:VAL:HG12	1:246:A:LEU:HB3	7	0.28	0.07	0.27
(1,393)	1:221:A:LEU:HD12	1:220:B:LYS:HA	7	0.27	0.19	0.18
(1,393)	1:221:A:LEU:HD13	1:220:B:LYS:HA	7	0.27	0.19	0.18
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	7	0.23	0.05	0.25
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	7	0.22	0.07	0.25
(2,833)	1:255:A:ILE:HD13	2:5480:C:PRO:HB2	7	0.21	0.17	0.13
(2,833)	1:255:A:ILE:HD11	2:5480:C:PRO:HB2	7	0.21	0.17	0.13
(2,833)	1:255:A:ILE:HD12	2:5480:C:PRO:HB2	7	0.21	0.17	0.13
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	7	0.21	0.07	0.23
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	7	0.21	0.07	0.23
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	7	0.21	0.07	0.23
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	7	0.2	0.1	0.13
(1,390)	1:221:A:LEU:HD23	1:222:A:ARG:HA	7	0.2	0.07	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,390)	1:221:A:LEU:HD22	1:222:A:ARG:HA	7	0.2	0.07	0.19
(1,390)	1:221:A:LEU:HD21	1:222:A:ARG:HA	7	0.2	0.07	0.19
(1,390)	1:221:A:LEU:HD22	1:220:B:LYS:HA	7	0.2	0.07	0.19
(1,586)	1:221:A:LEU:HD13	1:217:B:TYR:HE2	7	0.2	0.09	0.17
(1,586)	1:221:A:LEU:HD12	1:217:B:TYR:HE1	7	0.2	0.09	0.17
(1,586)	1:221:A:LEU:HD12	1:217:B:TYR:HE2	7	0.2	0.09	0.17
(1,586)	1:221:A:LEU:HD11	1:217:B:TYR:HE1	7	0.2	0.09	0.17
(1,564)	1:193:A:ALA:HB1	1:196:B:LEU:HD21	7	0.19	0.05	0.18
(1,564)	1:193:A:ALA:HB3	1:196:B:LEU:HD21	7	0.19	0.05	0.18
(1,564)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	7	0.19	0.05	0.18
(1,564)	1:193:A:ALA:HB2	1:196:B:LEU:HD21	7	0.19	0.05	0.18
(1,564)	1:193:A:ALA:HB3	1:196:B:LEU:HD23	7	0.19	0.05	0.18
(1,564)	1:193:A:ALA:HB2	1:196:B:LEU:HD23	7	0.19	0.05	0.18
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	7	0.17	0.04	0.18
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB3	7	0.14	0.01	0.14
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB2	7	0.14	0.01	0.14
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB1	7	0.14	0.01	0.14
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	7	0.12	0.02	0.12
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	7	0.12	0.02	0.11
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB2	7	0.11	0.02	0.11
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB3	7	0.11	0.02	0.11
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB1	7	0.11	0.02	0.11
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB3	6	0.94	0.05	0.94
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB1	6	0.94	0.05	0.94
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB2	6	0.94	0.05	0.94
(2,842)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	6	0.89	0.12	0.87
(2,842)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	6	0.89	0.12	0.87
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD13	6	0.88	0.12	0.9
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD12	6	0.88	0.12	0.9
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	6	0.88	0.36	0.9
(1,400)	1:213:A:GLU:H	1:212:A:LYS:HE2	6	0.87	0.21	0.86
(1,400)	1:212:A:LYS:HE2	1:209:A:ASP:H	6	0.87	0.21	0.86
(2,1125)	1:226:A:LEU:HD21	1:229:A:GLN:HG2	6	0.86	0.39	0.78
(2,1125)	1:226:A:LEU:HD22	1:229:A:GLN:HG2	6	0.86	0.39	0.78
(2,2511)	1:210:A:LEU:HD22	1:210:B:LEU:HB3	6	0.84	0.24	0.93
(2,2511)	1:210:A:LEU:HD23	1:210:B:LEU:HB3	6	0.84	0.24	0.93
(2,2511)	1:210:A:LEU:HD21	1:210:B:LEU:HB3	6	0.84	0.24	0.93
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	6	0.79	0.45	0.82
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	6	0.79	0.45	0.82
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD12	6	0.77	0.7	0.45
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD11	6	0.77	0.7	0.45
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD13	6	0.77	0.7	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	6	0.7	0.4	0.7
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	6	0.7	0.4	0.7
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	6	0.7	0.4	0.7
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	6	0.68	0.02	0.68
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	6	0.68	0.09	0.71
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	6	0.65	0.34	0.5
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	6	0.59	0.36	0.7
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	6	0.54	0.13	0.58
(2,703)	1:210:A:LEU:HD21	1:211:B:GLU:H	6	0.51	0.09	0.51
(2,703)	1:210:A:LEU:HD22	1:211:B:GLU:H	6	0.51	0.09	0.51
(2,703)	1:210:A:LEU:HD23	1:211:B:GLU:H	6	0.51	0.09	0.51
(2,2369)	1:210:A:LEU:HD21	1:211:B:GLU:H	6	0.5	0.09	0.5
(2,2369)	1:210:A:LEU:HD22	1:211:B:GLU:H	6	0.5	0.09	0.5
(2,2369)	1:210:A:LEU:HD23	1:211:B:GLU:H	6	0.5	0.09	0.5
(1,409)	1:210:A:LEU:HD13	1:213:A:GLU:HB2	6	0.49	0.25	0.48
(1,409)	1:210:A:LEU:HD11	1:213:A:GLU:HB2	6	0.49	0.25	0.48
(1,409)	1:210:A:LEU:HD12	1:213:A:GLU:HB2	6	0.49	0.25	0.48
(1,409)	1:210:A:LEU:HD11	1:213:A:GLU:HG3	6	0.49	0.25	0.48
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD21	6	0.46	0.26	0.5
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD22	6	0.46	0.26	0.5
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD23	6	0.46	0.26	0.5
(2,700)	1:210:A:LEU:HD22	1:208:B:GLU:HA	6	0.46	0.17	0.43
(2,700)	1:210:A:LEU:HD23	1:208:B:GLU:HA	6	0.46	0.17	0.43
(2,700)	1:210:A:LEU:HD21	1:208:B:GLU:HA	6	0.46	0.17	0.43
(2,847)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	6	0.44	0.24	0.5
(2,847)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	6	0.44	0.24	0.5
(2,847)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	6	0.44	0.24	0.5
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD12	6	0.39	0.03	0.4
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD11	6	0.39	0.03	0.4
(1,102)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	6	0.38	0.05	0.41
(1,102)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	6	0.38	0.05	0.41
(1,102)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	6	0.38	0.05	0.41
(2,843)	1:254:A:VAL:HG22	2:5483:C:GLN:HE21	6	0.36	0.07	0.36
(2,843)	1:254:A:VAL:HG23	2:5483:C:GLN:HE21	6	0.36	0.07	0.36
(2,843)	1:254:A:VAL:HG21	2:5483:C:GLN:HE21	6	0.36	0.07	0.36
(2,838)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	6	0.36	0.13	0.32
(2,838)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	6	0.36	0.13	0.32
(2,838)	1:254:A:VAL:HG21	2:5483:C:GLN:HA	6	0.36	0.13	0.32
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	6	0.34	0.18	0.27
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	6	0.34	0.16	0.36
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	6	0.32	0.14	0.29
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	6	0.31	0.22	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,610)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	6	0.28	0.06	0.29
(1,610)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	6	0.28	0.06	0.29
(1,610)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	6	0.28	0.06	0.29
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	6	0.26	0.11	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	6	0.26	0.11	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	6	0.26	0.11	0.18
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD23	6	0.24	0.07	0.25
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD21	6	0.24	0.07	0.25
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD22	6	0.24	0.07	0.25
(1,490)	1:202:A:VAL:HG23	1:204:B:LYS:HE2	6	0.21	0.06	0.2
(1,490)	1:202:A:VAL:HG22	1:204:B:LYS:HE2	6	0.21	0.06	0.2
(1,490)	1:202:A:VAL:HG21	1:204:B:LYS:HE2	6	0.21	0.06	0.2
(1,572)	1:212:A:LYS:HA	1:215:A:ASP:HB2	6	0.19	0.02	0.19
(1,572)	1:212:A:LYS:HA	1:216:A:PHE:HB2	6	0.19	0.02	0.19
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	6	0.18	0.1	0.14
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	6	0.16	0.04	0.15
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	6	0.16	0.04	0.15
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	6	0.16	0.04	0.15
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	6	0.16	0.04	0.15
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	6	0.16	0.04	0.15
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	6	0.16	0.04	0.15
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	6	0.16	0.07	0.13
(2,2427)	1:245:A:ILE:HD13	1:224:B:ILE:HA	6	0.16	0.04	0.14
(2,2427)	1:245:A:ILE:HD12	1:224:B:ILE:HA	6	0.16	0.04	0.14
(2,2427)	1:245:A:ILE:HD11	1:224:B:ILE:HA	6	0.16	0.04	0.14
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	6	0.14	0.04	0.13
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD11	6	0.14	0.04	0.14
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD12	6	0.14	0.04	0.14
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD13	6	0.14	0.04	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	6	0.14	0.04	0.13
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	6	0.14	0.04	0.13
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	6	0.14	0.04	0.13
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	6	0.14	0.03	0.13
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	6	0.13	0.02	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	6	0.13	0.02	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	6	0.13	0.02	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	6	0.13	0.02	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	6	0.13	0.02	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	6	0.13	0.02	0.12
(2,1388)	1:202:A:VAL:HG13	1:203:A:LEU:H	6	0.12	0.02	0.12
(2,1388)	1:202:A:VAL:HG11	1:203:A:LEU:H	6	0.12	0.02	0.12
(2,1388)	1:202:A:VAL:HG12	1:203:A:LEU:H	6	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,356)	1:201:A:LYS:HB2	1:201:A:LYS:HD2	5	0.99	0.35	1.27
(2,2606)	1:203:B:LEU:HD21	1:204:A:LYS:HE2	5	0.93	0.05	0.93
(2,2606)	1:203:B:LEU:HD22	1:204:A:LYS:HE2	5	0.93	0.05	0.93
(2,2606)	1:203:B:LEU:HD23	1:204:A:LYS:HE2	5	0.93	0.05	0.93
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG12	5	0.9	0.02	0.9
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG13	5	0.9	0.02	0.9
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG11	5	0.9	0.02	0.9
(2,1607)	1:237:A:PRO:HA	1:240:A:GLN:HG3	5	0.9	0.07	0.85
(1,1116)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	5	0.77	0.16	0.81
(1,1116)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	5	0.77	0.16	0.81
(1,1116)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	5	0.77	0.16	0.81
(2,1209)	1:212:A:LYS:HE2	1:209:A:ASP:HA	5	0.75	0.25	0.8
(2,2460)	1:248:A:ALA:HB1	1:220:B:LYS:HE3	5	0.7	0.33	0.69
(2,2460)	1:248:A:ALA:HB3	1:220:B:LYS:HE3	5	0.7	0.33	0.69
(2,2460)	1:248:A:ALA:HB2	1:220:B:LYS:HE3	5	0.7	0.33	0.69
(2,472)	1:191:A:ASP:HB3	1:192:A:GLU:HB2	5	0.62	0.35	0.87
(2,2331)	1:225:A:GLU:H	1:229:A:GLN:HG2	5	0.61	0.43	0.39
(1,352)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	5	0.59	0.54	0.16
(1,962)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	5	0.55	0.27	0.68
(1,373)	1:226:A:LEU:HD13	2:5476:C:PRO:HD2	5	0.5	0.31	0.44
(1,373)	1:226:A:LEU:HD12	2:5476:C:PRO:HD2	5	0.5	0.31	0.44
(1,373)	1:226:A:LEU:HD11	2:5476:C:PRO:HD2	5	0.5	0.31	0.44
(2,263)	1:212:A:LYS:HD2	1:212:A:LYS:HB2	5	0.48	0.09	0.44
(1,855)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	5	0.48	0.33	0.55
(1,1122)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	5	0.45	0.54	0.15
(1,1122)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	5	0.45	0.54	0.15
(1,1122)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	5	0.45	0.54	0.15
(1,981)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD3	5	0.45	0.21	0.38
(2,1196)	1:212:A:LYS:H	1:212:A:LYS:HG3	5	0.45	0.22	0.57
(2,1204)	1:212:A:LYS:HG2	1:212:A:LYS:HE2	5	0.42	0.05	0.43
(1,823)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	5	0.41	0.22	0.23
(1,862)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	5	0.39	0.16	0.31
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG23	5	0.37	0.14	0.4
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG21	5	0.37	0.14	0.4
(1,247)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	5	0.36	0.13	0.37
(1,852)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	5	0.36	0.22	0.18
(1,1119)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	5	0.32	0.12	0.3
(1,1119)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	5	0.32	0.12	0.3
(1,1119)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	5	0.32	0.12	0.3
(1,901)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE3	5	0.29	0.1	0.28
(1,1024)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	5	0.29	0.07	0.3
(1,1024)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	5	0.29	0.07	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1024)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	5	0.29	0.07	0.3
(2,2459)	1:221:A:LEU:HD21	1:217:B:TYR:HB2	5	0.28	0.17	0.23
(2,2459)	1:221:A:LEU:HD22	1:217:B:TYR:HB2	5	0.28	0.17	0.23
(2,2459)	1:221:A:LEU:HD23	1:217:B:TYR:HB2	5	0.28	0.17	0.23
(1,429)	1:200:A:VAL:HG13	1:196:B:LEU:HB3	5	0.27	0.08	0.28
(1,429)	1:200:A:VAL:HG11	1:196:B:LEU:HB3	5	0.27	0.08	0.28
(1,429)	1:200:A:VAL:HG12	1:196:B:LEU:HB3	5	0.27	0.08	0.28
(2,2496)	1:197:A:MET:HE2	1:196:B:LEU:HD23	5	0.27	0.09	0.24
(2,2496)	1:197:A:MET:HE3	1:196:B:LEU:HD22	5	0.27	0.09	0.24
(2,2496)	1:197:A:MET:HE1	1:196:B:LEU:HD21	5	0.27	0.09	0.24
(2,2496)	1:197:A:MET:HE1	1:196:B:LEU:HD23	5	0.27	0.09	0.24
(2,2496)	1:197:A:MET:HE3	1:196:B:LEU:HD21	5	0.27	0.09	0.24
(2,1171)	1:221:A:LEU:HD12	1:217:B:TYR:HB2	5	0.26	0.08	0.31
(2,1171)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	5	0.26	0.08	0.31
(2,1171)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	5	0.26	0.08	0.31
(1,94)	1:200:A:VAL:HG23	1:197:A:MET:HA	5	0.26	0.12	0.23
(1,94)	1:207:A:VAL:HG23	1:203:B:LEU:HA	5	0.26	0.12	0.23
(2,2134)	1:240:A:GLN:HE22	1:244:A:ASP:H	5	0.23	0.02	0.23
(2,291)	1:204:A:LYS:HE3	1:204:A:LYS:HD3	5	0.22	0.01	0.21
(1,847)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	5	0.21	0.06	0.2
(2,1472)	1:198:A:GLN:HG2	1:196:A:LEU:H	5	0.2	0.03	0.2
(2,1044)	1:235:A:ASN:HD22	1:235:A:ASN:HB3	5	0.18	0.0	0.18
(2,1223)	1:212:A:LYS:H	1:211:A:GLU:HG3	5	0.18	0.05	0.16
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG11	5	0.17	0.05	0.19
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG13	5	0.17	0.05	0.19
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE1	5	0.17	0.04	0.18
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE2	5	0.17	0.04	0.18
(1,1029)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	5	0.17	0.09	0.12
(1,1029)	1:254:A:VAL:HG22	2:5482:C:PRO:HA	5	0.17	0.09	0.12
(1,1029)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	5	0.17	0.09	0.12
(2,816)	1:255:A:ILE:HG23	2:5480:C:PRO:HG2	5	0.17	0.02	0.16
(2,816)	1:255:A:ILE:HG22	2:5480:C:PRO:HG2	5	0.17	0.02	0.16
(2,816)	1:255:A:ILE:HG21	2:5480:C:PRO:HG2	5	0.17	0.02	0.16
(2,1368)	1:202:A:VAL:HG22	1:199:A:GLN:HG3	5	0.17	0.02	0.17
(2,1368)	1:202:A:VAL:HG21	1:199:A:GLN:HG3	5	0.17	0.02	0.17
(2,1368)	1:202:A:VAL:HG23	1:199:A:GLN:HG3	5	0.17	0.02	0.17
(2,595)	1:235:A:ASN:HD22	1:235:A:ASN:HA	5	0.17	0.01	0.17
(1,590)	1:195:A:GLU:HG3	1:194:A:ALA:HA	5	0.16	0.03	0.16
(2,954)	1:238:A:VAL:HG21	1:231:B:ASN:HB3	5	0.16	0.04	0.14
(2,954)	1:238:A:VAL:HG22	1:231:B:ASN:HB3	5	0.16	0.04	0.14
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG11	5	0.16	0.03	0.15
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG12	5	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG13	5	0.16	0.03	0.15
(1,824)	2:5476:C:PRO:HB2	2:5476:C:PRO:HD2	5	0.14	0.02	0.13
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG22	5	0.13	0.02	0.13
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG23	5	0.13	0.02	0.13
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG21	5	0.13	0.02	0.13
(1,1130)	1:247:A:TYR:HE1	2:5478:C:LYS:HB2	5	0.12	0.02	0.12
(1,1130)	1:247:A:TYR:HE2	2:5478:C:LYS:HB2	5	0.12	0.02	0.12
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD1	5	0.12	0.01	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD2	5	0.12	0.01	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD1	5	0.12	0.01	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD2	5	0.12	0.01	0.11
(1,203)	1:202:A:VAL:HA	1:203:A:LEU:HA	5	0.11	0.01	0.11
(1,1001)	2:5485:C:LYS:HG2	2:5484:C:ARG:HA	4	1.3	0.36	1.3
(1,829)	2:5476:C:PRO:HD3	2:5475:C:LYS:HD2	4	0.93	0.49	1.1
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD22	4	0.73	0.31	0.89
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD23	4	0.73	0.31	0.89
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD21	4	0.73	0.31	0.89
(2,525)	1:246:A:LEU:HA	1:221:A:LEU:HD21	4	0.72	0.32	0.85
(2,525)	1:246:A:LEU:HA	1:221:A:LEU:HD23	4	0.72	0.32	0.85
(2,1415)	1:201:A:LYS:HD2	1:200:A:VAL:H	4	0.71	0.34	0.89
(1,1115)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	4	0.7	0.11	0.72
(1,1115)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	4	0.7	0.11	0.72
(1,1115)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	4	0.7	0.11	0.72
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE1	4	0.58	0.67	0.22
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE2	4	0.58	0.67	0.22
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE1	4	0.58	0.67	0.22
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE2	4	0.58	0.67	0.22
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE1	4	0.58	0.67	0.22
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE2	4	0.58	0.67	0.22
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD11	4	0.55	0.23	0.48
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD13	4	0.55	0.23	0.48
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD12	4	0.55	0.23	0.48
(1,831)	2:5476:C:PRO:HD3	2:5475:C:LYS:HG2	4	0.54	0.45	0.37
(1,26)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	4	0.47	0.23	0.45
(1,26)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	4	0.47	0.23	0.45
(1,992)	2:5485:C:LYS:HG2	2:5485:C:LYS:HA	4	0.44	0.29	0.45
(2,262)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	4	0.42	0.01	0.42
(2,438)	1:227:A:ILE:HG12	1:242:B:ILE:HD13	4	0.36	0.05	0.36
(2,438)	1:227:A:ILE:HG12	1:242:B:ILE:HD11	4	0.36	0.05	0.36
(1,341)	1:234:A:GLU:HG3	1:231:A:ASN:HA	4	0.32	0.05	0.33
(2,2384)	1:214:A:ARG:HG2	1:217:B:TYR:HE2	4	0.32	0.25	0.22
(2,2384)	1:214:A:ARG:HG2	1:217:B:TYR:HE1	4	0.32	0.25	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1117)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	4	0.25	0.08	0.26
(1,1117)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	4	0.25	0.08	0.26
(1,1117)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	4	0.25	0.08	0.26
(2,995)	1:234:A:GLU:HG3	1:239:A:LEU:HD21	4	0.25	0.1	0.26
(2,995)	1:234:A:GLU:HG3	1:239:A:LEU:HD23	4	0.25	0.1	0.26
(1,285)	1:238:A:VAL:HG22	1:241:A:ARG:HG3	4	0.25	0.11	0.19
(1,285)	1:238:A:VAL:HG23	1:241:A:ARG:HG3	4	0.25	0.11	0.19
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD11	4	0.24	0.12	0.18
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD12	4	0.24	0.12	0.18
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD13	4	0.24	0.12	0.18
(2,2151)	1:235:A:ASN:HD22	1:240:A:GLN:HG3	4	0.22	0.07	0.2
(2,1410)	1:201:A:LYS:H	1:201:A:LYS:HG2	4	0.21	0.09	0.21
(2,203)	1:227:A:ILE:HA	1:230:A:GLU:HB3	4	0.2	0.04	0.2
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD23	4	0.2	0.09	0.17
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD22	4	0.2	0.09	0.17
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD21	4	0.2	0.09	0.17
(2,1270)	1:204:A:LYS:HG3	1:203:B:LEU:HD22	4	0.19	0.04	0.22
(2,1270)	1:204:A:LYS:HG3	1:203:B:LEU:HD23	4	0.19	0.04	0.22
(2,1658)	1:198:A:GLN:HE21	1:201:A:LYS:HE2	4	0.19	0.11	0.15
(1,1022)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	4	0.18	0.07	0.15
(1,1022)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	4	0.18	0.07	0.15
(1,1022)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	4	0.18	0.07	0.15
(2,352)	1:201:A:LYS:HG2	1:201:A:LYS:HE2	4	0.17	0.06	0.16
(2,2405)	1:227:A:ILE:HD11	1:245:B:ILE:HG12	4	0.16	0.04	0.17
(2,2405)	1:227:A:ILE:HD12	1:245:B:ILE:HG12	4	0.16	0.04	0.17
(2,2405)	1:227:A:ILE:HD13	1:245:B:ILE:HG12	4	0.16	0.04	0.17
(2,1351)	1:243:A:VAL:HG21	1:242:A:ILE:HD11	4	0.14	0.01	0.15
(2,1351)	1:243:A:VAL:HG23	1:242:A:ILE:HD12	4	0.14	0.01	0.15
(2,1351)	1:243:A:VAL:HG21	1:242:A:ILE:HD13	4	0.14	0.01	0.15
(2,1351)	1:243:A:VAL:HG23	1:242:A:ILE:HD13	4	0.14	0.01	0.15
(2,2373)	1:210:A:LEU:HD23	1:207:B:VAL:HA	4	0.14	0.03	0.14
(2,2373)	1:210:A:LEU:HD21	1:207:B:VAL:HA	4	0.14	0.03	0.14
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG21	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG22	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG23	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG21	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG22	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG23	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG21	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG22	4	0.14	0.02	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG23	4	0.14	0.02	0.13
(1,1081)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	4	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1081)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	4	0.12	0.01	0.12
(1,1081)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	4	0.12	0.01	0.12
(1,899)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE3	4	0.12	0.02	0.11
(2,1074)	1:231:A:ASN:HB3	1:228:A:CYS:HA	4	0.12	0.0	0.12
(2,2020)	1:240:A:GLN:HE21	1:244:A:ASP:H	4	0.12	0.0	0.12
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD21	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD22	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD23	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD21	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD22	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD23	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD21	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD22	3	1.81	0.05	1.82
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD23	3	1.81	0.05	1.82
(2,1419)	1:198:A:GLN:HE22	1:201:A:LYS:HD2	3	1.59	0.05	1.61
(2,1412)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	3	1.46	0.11	1.39
(2,1412)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	3	1.46	0.11	1.39
(2,1698)	1:218:A:PHE:H	1:221:A:LEU:HD13	3	1.35	0.08	1.35
(2,1698)	1:218:A:PHE:H	1:221:A:LEU:HD12	3	1.35	0.08	1.35
(2,1416)	1:202:A:VAL:H	1:201:A:LYS:HD2	3	1.32	0.04	1.31
(2,354)	1:198:A:GLN:HA	1:201:A:LYS:HD2	3	1.21	0.03	1.19
(2,1630)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	3	1.11	0.1	1.05
(2,1208)	1:201:A:LYS:HE2	1:201:A:LYS:H	3	1.04	0.6	1.46
(2,1016)	1:241:A:ARG:HD3	1:238:A:VAL:HG13	3	0.98	0.37	1.15
(2,1016)	1:241:A:ARG:HD3	1:238:A:VAL:HG12	3	0.98	0.37	1.15
(2,1016)	1:241:A:ARG:HD3	1:238:A:VAL:HG11	3	0.98	0.37	1.15
(2,713)	1:209:A:ASP:HA	1:212:A:LYS:HB2	3	0.86	0.17	0.76
(1,1021)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	3	0.75	0.61	0.42
(1,1021)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	3	0.75	0.61	0.42
(1,1021)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	3	0.75	0.61	0.42
(2,1205)	1:201:A:LYS:HE2	1:201:A:LYS:HG3	3	0.75	0.28	0.95
(2,2668)	1:203:A:LEU:HD21	1:204:B:LYS:HG2	3	0.74	0.11	0.7
(2,2668)	1:203:A:LEU:HD22	1:204:B:LYS:HG2	3	0.74	0.11	0.7
(2,2668)	1:203:A:LEU:HD23	1:204:B:LYS:HG2	3	0.74	0.11	0.7
(2,633)	1:226:A:LEU:HA	2:5475:C:LYS:HG2	3	0.73	0.42	0.85
(2,556)	1:241:A:ARG:HD2	1:241:A:ARG:HA	3	0.72	0.42	1.0
(2,439)	1:239:A:LEU:HD23	1:232:A:GLU:HB2	3	0.71	0.1	0.66
(2,439)	1:239:A:LEU:HD22	1:232:A:GLU:HB2	3	0.71	0.1	0.66
(2,439)	1:239:A:LEU:HD21	1:232:A:GLU:HB2	3	0.71	0.1	0.66
(2,455)	1:191:A:ASP:HB2	1:194:A:ALA:HB2	3	0.69	0.03	0.67
(2,455)	1:191:A:ASP:HB2	1:194:A:ALA:HB3	3	0.69	0.03	0.67
(2,455)	1:191:A:ASP:HB2	1:194:A:ALA:HB1	3	0.69	0.03	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1312)	1:204:A:LYS:HE2	1:204:A:LYS:H	3	0.68	0.02	0.69
(2,1097)	1:228:A:CYS:HB2	1:229:A:GLN:HB3	3	0.66	0.23	0.74
(2,1417)	1:201:A:LYS:H	1:201:A:LYS:HD2	3	0.64	0.02	0.65
(1,1026)	1:254:A:VAL:HG21	2:5482:C:PRO:HB3	3	0.61	0.32	0.78
(1,1026)	1:254:A:VAL:HG22	2:5482:C:PRO:HB3	3	0.61	0.32	0.78
(1,1026)	1:254:A:VAL:HG23	2:5482:C:PRO:HB3	3	0.61	0.32	0.78
(2,301)	1:204:A:LYS:HE2	1:204:A:LYS:HA	3	0.56	0.0	0.56
(2,1839)	1:198:A:GLN:HE21	1:201:A:LYS:HD2	3	0.55	0.09	0.5
(1,830)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	3	0.54	0.31	0.67
(2,304)	1:207:A:VAL:HG23	1:204:A:LYS:HD2	3	0.52	0.26	0.66
(2,304)	1:207:A:VAL:HG22	1:204:A:LYS:HD2	3	0.52	0.26	0.66
(2,1790)	1:204:A:LYS:HE2	1:205:A:LEU:H	3	0.52	0.01	0.51
(1,991)	2:5485:C:LYS:HA	2:5485:C:LYS:HD2	3	0.48	0.02	0.48
(2,28)	1:198:A:GLN:HA	1:201:A:LYS:HB2	3	0.48	0.27	0.62
(2,1605)	1:236:A:ASP:HB2	1:239:A:LEU:HG	3	0.47	0.22	0.47
(2,1189)	1:213:A:GLU:HG3	1:212:A:LYS:HB2	3	0.47	0.2	0.44
(1,513)	1:201:A:LYS:HB2	1:200:A:VAL:HG22	3	0.45	0.03	0.44
(1,513)	1:201:A:LYS:HB2	1:200:A:VAL:HG23	3	0.45	0.03	0.44
(1,513)	1:201:A:LYS:HB2	1:200:A:VAL:HG21	3	0.45	0.03	0.44
(2,1905)	1:213:A:GLU:H	1:212:A:LYS:HB2	3	0.43	0.04	0.44
(2,249)	1:221:A:LEU:HD13	1:220:B:LYS:HB3	3	0.39	0.09	0.35
(2,249)	1:221:A:LEU:HD11	1:220:B:LYS:HB3	3	0.39	0.09	0.35
(1,1139)	1:217:B:TYR:HE1	2:5480:C:PRO:HB3	3	0.35	0.03	0.37
(1,1139)	1:217:B:TYR:HE2	2:5480:C:PRO:HB3	3	0.35	0.03	0.37
(1,507)	1:201:A:LYS:HD2	1:201:A:LYS:HA	3	0.31	0.0	0.31
(1,592)	1:208:A:GLU:HA	1:212:A:LYS:HD2	3	0.31	0.1	0.28
(1,522)	1:198:A:GLN:H	1:200:A:VAL:HG22	3	0.29	0.16	0.23
(1,522)	1:198:A:GLN:H	1:200:A:VAL:HG23	3	0.29	0.16	0.23
(2,1180)	1:215:A:ASP:HA	1:214:A:ARG:HG3	3	0.29	0.2	0.18
(2,1339)	1:200:A:VAL:H	1:201:A:LYS:HB2	3	0.28	0.13	0.33
(2,2519)	1:221:A:LEU:HD13	1:221:B:LEU:HG	3	0.28	0.06	0.31
(2,2519)	1:221:A:LEU:HD12	1:221:B:LEU:HG	3	0.28	0.06	0.31
(2,516)	1:212:A:LYS:HA	1:212:A:LYS:HG3	3	0.27	0.09	0.27
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD13	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD13	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD12	3	0.26	0.06	0.28
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD13	3	0.26	0.06	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1437)	1:209:A:ASP:H	1:207:A:VAL:HG11	3	0.26	0.02	0.25
(2,832)	1:255:A:ILE:HD11	2:5480:C:PRO:HG2	3	0.23	0.05	0.24
(2,832)	1:255:A:ILE:HD12	2:5480:C:PRO:HG2	3	0.23	0.05	0.24
(1,467)	1:206:A:THR:H	1:203:A:LEU:HD21	3	0.22	0.02	0.22
(1,467)	1:206:A:THR:H	1:203:A:LEU:HD22	3	0.22	0.02	0.22
(1,467)	1:206:A:THR:H	1:203:A:LEU:HD23	3	0.22	0.02	0.22
(1,1018)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	3	0.21	0.13	0.14
(1,1018)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	3	0.21	0.13	0.14
(1,1018)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	3	0.21	0.13	0.14
(2,167)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	3	0.21	0.03	0.19
(2,167)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	3	0.21	0.03	0.19
(2,325)	1:205:A:LEU:HD21	1:209:A:ASP:HB3	3	0.21	0.09	0.2
(2,325)	1:205:A:LEU:HD22	1:209:A:ASP:HB3	3	0.21	0.09	0.2
(1,791)	1:217:A:TYR:HE1	1:214:B:ARG:HG2	3	0.2	0.1	0.15
(1,791)	1:217:A:TYR:HE2	1:214:B:ARG:HG2	3	0.2	0.1	0.15
(2,993)	1:239:A:LEU:HD23	1:238:B:VAL:HA	3	0.18	0.08	0.15
(2,993)	1:239:A:LEU:HD21	1:238:B:VAL:HA	3	0.18	0.08	0.15
(1,673)	1:211:A:GLU:H	1:207:A:VAL:HG13	3	0.17	0.04	0.19
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD11	3	0.17	0.02	0.16
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD12	3	0.17	0.02	0.16
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD13	3	0.17	0.02	0.16
(2,975)	1:239:A:LEU:HG	1:240:A:GLN:HE21	3	0.16	0.03	0.15
(2,1023)	1:237:A:PRO:HA	1:238:A:VAL:HG11	3	0.16	0.03	0.18
(2,1023)	1:237:A:PRO:HA	1:238:A:VAL:HG12	3	0.16	0.03	0.18
(2,1899)	1:212:A:LYS:H	1:212:A:LYS:HB2	3	0.16	0.05	0.15
(1,630)	1:236:A:ASP:HB3	1:238:A:VAL:HB	3	0.16	0.04	0.13
(1,1074)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	3	0.16	0.06	0.12
(1,1074)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	3	0.16	0.06	0.12
(1,1074)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	3	0.16	0.06	0.12
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG21	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG22	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG23	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG21	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG22	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG23	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG21	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG22	3	0.15	0.04	0.13
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG23	3	0.15	0.04	0.13
(2,1904)	1:213:A:GLU:H	1:213:A:GLU:HG2	3	0.15	0.0	0.15
(2,795)	1:256:A:PRO:HG2	2:5481:C:THR:H	3	0.15	0.03	0.13
(2,805)	1:234:A:GLU:HG3	1:234:A:GLU:H	3	0.14	0.0	0.14
(1,510)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	3	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,510)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	3	0.14	0.02	0.14
(1,506)	1:201:A:LYS:HA	1:201:A:LYS:HB2	3	0.13	0.0	0.13
(1,783)	1:217:A:TYR:HE1	1:218:B:PHE:HZ	3	0.13	0.01	0.13
(1,783)	1:217:A:TYR:HE2	1:218:B:PHE:HZ	3	0.13	0.01	0.13
(1,884)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	3	0.13	0.02	0.12
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE1	3	0.13	0.01	0.12
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE2	3	0.13	0.01	0.12
(2,601)	1:236:A:ASP:H	1:234:A:GLU:HA	3	0.13	0.01	0.13
(2,1576)	1:199:A:GLN:HA	1:203:A:LEU:H	3	0.13	0.02	0.13
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG21	3	0.13	0.01	0.13
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG22	3	0.13	0.01	0.13
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG23	3	0.13	0.01	0.13
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG21	3	0.13	0.01	0.13
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG22	3	0.13	0.01	0.13
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG23	3	0.13	0.01	0.13
(1,132)	1:244:A:ASP:HA	1:246:A:LEU:H	3	0.12	0.02	0.13
(1,1049)	1:256:A:PRO:HB2	2:5478:C:LYS:HA	3	0.12	0.0	0.12
(1,1052)	1:256:A:PRO:HD2	2:5478:C:LYS:HA	3	0.12	0.01	0.12
(2,2380)	1:214:A:ARG:HD2	1:217:B:TYR:HE2	3	0.12	0.02	0.11
(2,2380)	1:214:A:ARG:HD2	1:217:B:TYR:HE1	3	0.12	0.02	0.11
(2,956)	1:240:A:GLN:HA	1:243:A:VAL:HB	3	0.1	0.0	0.1
(1,979)	2:5475:C:LYS:HG2	2:5475:C:LYS:HD3	3	0.1	0.0	0.1
(2,692)	1:213:A:GLU:HA	1:214:B:ARG:HG2	2	1.81	1.68	1.81
(2,420)	1:209:A:ASP:HA	1:212:A:LYS:HD2	2	1.74	0.04	1.74
(2,347)	1:201:A:LYS:HB2	1:202:A:VAL:HG13	2	1.62	0.02	1.62
(2,347)	1:201:A:LYS:HB2	1:202:A:VAL:HG12	2	1.62	0.02	1.62
(2,257)	1:212:A:LYS:HE2	1:208:A:GLU:HB2	2	1.62	0.04	1.62
(2,670)	1:215:A:ASP:HA	1:214:A:ARG:HD2	2	1.54	0.73	1.54
(2,1212)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	2	1.12	0.07	1.12
(2,1025)	1:237:A:PRO:HG2	1:241:A:ARG:HD3	2	1.1	0.03	1.1
(2,1335)	1:202:A:VAL:HA	1:201:A:LYS:HB2	2	1.04	0.02	1.04
(2,1862)	1:202:A:VAL:H	1:201:A:LYS:HB2	2	1.04	0.03	1.04
(2,1338)	1:203:A:LEU:H	1:201:A:LYS:HB2	2	0.98	0.04	0.98
(2,311)	1:201:A:LYS:HB2	1:202:A:VAL:HB	2	0.83	0.0	0.83
(2,261)	1:201:A:LYS:HE2	1:198:A:GLN:HA	2	0.78	0.02	0.78
(2,1956)	1:228:A:CYS:H	1:229:A:GLN:HB3	2	0.78	0.03	0.78
(2,2381)	1:214:A:ARG:HD3	1:217:B:TYR:HE1	2	0.7	0.01	0.7
(2,2064)	1:251:A:GLU:H	1:251:A:GLU:HB2	2	0.62	0.01	0.62
(2,1619)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	2	0.62	0.06	0.62
(2,1619)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	2	0.62	0.06	0.62
(1,1015)	1:249:A:THR:HG21	2:5480:C:PRO:HA	2	0.6	0.45	0.6
(1,1015)	1:249:A:THR:HG22	2:5480:C:PRO:HA	2	0.6	0.45	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1015)	1:249:A:THR:HG23	2:5480:C:PRO:HA	2	0.6	0.45	0.6
(1,354)	1:225:A:GLU:HB2	1:224:A:ILE:HB	2	0.57	0.07	0.57
(1,274)	1:244:A:ASP:HB3	1:241:A:ARG:HB3	2	0.53	0.04	0.53
(1,228)	1:256:A:PRO:HA	1:257:A:ASP:HB2	2	0.52	0.02	0.52
(1,228)	1:257:A:ASP:HB2	2:5478:C:LYS:HA	2	0.52	0.02	0.52
(1,79)	1:203:A:LEU:HD12	1:200:A:VAL:HA	2	0.49	0.05	0.49
(1,79)	1:203:A:LEU:HD12	1:200:B:VAL:HA	2	0.49	0.05	0.49
(2,891)	1:246:A:LEU:HD13	1:225:A:GLU:HG2	2	0.48	0.05	0.48
(2,891)	1:246:A:LEU:HD11	1:225:A:GLU:HG2	2	0.48	0.05	0.48
(2,806)	1:258:A:GLU:HA	1:257:A:ASP:HB2	2	0.47	0.02	0.47
(2,1192)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	2	0.46	0.02	0.46
(1,505)	1:201:A:LYS:HE2	1:201:A:LYS:HA	2	0.4	0.01	0.4
(2,937)	1:244:A:ASP:HB3	1:243:A:VAL:H	2	0.4	0.05	0.4
(2,1976)	1:232:A:GLU:H	1:232:A:GLU:HG2	2	0.4	0.29	0.4
(1,1078)	1:254:A:VAL:HG21	2:5483:C:GLN:H	2	0.38	0.08	0.38
(1,1078)	1:254:A:VAL:HG22	2:5483:C:GLN:H	2	0.38	0.08	0.38
(1,1078)	1:254:A:VAL:HG23	2:5483:C:GLN:H	2	0.38	0.08	0.38
(2,377)	1:198:A:GLN:HG2	1:201:A:LYS:HB2	2	0.38	0.04	0.38
(1,426)	1:207:A:VAL:HG12	1:211:A:GLU:HB2	2	0.37	0.13	0.37
(1,426)	1:207:A:VAL:HG11	1:211:A:GLU:HB2	2	0.37	0.13	0.37
(1,675)	1:212:A:LYS:H	1:212:A:LYS:HD2	2	0.37	0.1	0.37
(1,344)	1:232:A:GLU:HG2	1:233:A:GLY:HA3	2	0.34	0.1	0.34
(1,621)	1:210:A:LEU:HG	1:213:A:GLU:H	2	0.34	0.06	0.34
(2,878)	1:248:A:ALA:HB2	1:220:B:LYS:HB2	2	0.34	0.05	0.34
(2,878)	1:248:A:ALA:HB3	1:220:B:LYS:HB2	2	0.34	0.05	0.34
(2,718)	1:208:A:GLU:HA	1:211:A:GLU:HG2	2	0.32	0.02	0.32
(2,2633)	1:227:A:ILE:HG21	1:241:B:ARG:HB3	2	0.3	0.18	0.3
(2,2633)	1:227:A:ILE:HG22	1:241:B:ARG:HB3	2	0.3	0.18	0.3
(2,2633)	1:227:A:ILE:HG23	1:241:B:ARG:HB3	2	0.3	0.18	0.3
(2,494)	1:257:A:ASP:HA	1:257:A:ASP:HB3	2	0.29	0.0	0.29
(2,40)	1:222:A:ARG:HD3	1:222:A:ARG:HA	2	0.29	0.02	0.29
(1,401)	1:213:A:GLU:H	1:212:A:LYS:HD2	2	0.28	0.0	0.28
(2,854)	1:255:A:ILE:HD13	1:249:A:THR:HA	2	0.27	0.01	0.27
(2,93)	1:254:A:VAL:HG13	2:5481:C:THR:HG21	2	0.26	0.16	0.26
(1,424)	1:200:A:VAL:HG13	1:204:A:LYS:HE3	2	0.24	0.12	0.24
(1,424)	1:200:A:VAL:HG11	1:204:A:LYS:HE3	2	0.24	0.12	0.24
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD11	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD12	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD13	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD11	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD12	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD13	2	0.24	0.08	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD11	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD12	2	0.24	0.08	0.24
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	2	0.24	0.08	0.24
(2,1220)	1:211:A:GLU:HG3	1:207:A:VAL:HG22	2	0.24	0.08	0.24
(2,1220)	1:211:A:GLU:HG3	1:207:A:VAL:HG23	2	0.24	0.08	0.24
(1,275)	1:244:A:ASP:HB3	1:245:A:ILE:HB	2	0.24	0.01	0.24
(1,1136)	1:218:A:PHE:HZ	2:5479:C:ILE:HG12	2	0.24	0.0	0.24
(2,880)	1:248:A:ALA:HB2	1:245:A:ILE:HD13	2	0.24	0.08	0.24
(2,880)	1:248:A:ALA:HB1	1:245:A:ILE:HD12	2	0.24	0.08	0.24
(1,874)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	2	0.22	0.12	0.22
(2,1152)	1:224:A:ILE:HD13	1:220:A:LYS:HA	2	0.22	0.06	0.22
(2,2450)	1:203:A:LEU:HD21	1:204:B:LYS:HG2	2	0.22	0.05	0.22
(2,2450)	1:203:A:LEU:HD23	1:204:B:LYS:HG2	2	0.22	0.05	0.22
(1,1079)	1:254:A:VAL:HG11	2:5483:C:GLN:H	2	0.22	0.1	0.22
(1,1079)	1:254:A:VAL:HG12	2:5483:C:GLN:H	2	0.22	0.1	0.22
(1,1079)	1:254:A:VAL:HG13	2:5483:C:GLN:H	2	0.22	0.1	0.22
(2,389)	1:197:A:MET:HE3	1:196:B:LEU:HD21	2	0.21	0.05	0.21
(2,389)	1:197:A:MET:HE1	1:196:B:LEU:HD23	2	0.21	0.05	0.21
(1,993)	2:5475:C:LYS:HA	2:5475:C:LYS:HD3	2	0.21	0.08	0.21
(2,1612)	1:249:A:THR:HB	2:5480:C:PRO:HB3	2	0.2	0.04	0.2
(1,836)	2:5481:C:THR:HB	2:5482:C:PRO:HB2	2	0.2	0.02	0.2
(1,925)	2:5478:C:LYS:HA	2:5478:C:LYS:HE3	2	0.2	0.01	0.2
(1,1045)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	2	0.19	0.09	0.19
(1,1045)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	2	0.19	0.09	0.19
(1,1045)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	2	0.19	0.09	0.19
(2,2650)	1:227:B:ILE:HD11	1:241:A:ARG:HD2	2	0.18	0.04	0.18
(2,2650)	1:227:B:ILE:HD12	1:241:A:ARG:HD2	2	0.18	0.04	0.18
(2,2650)	1:227:B:ILE:HD13	1:241:A:ARG:HD2	2	0.18	0.04	0.18
(2,18)	1:241:A:ARG:HD2	1:241:A:ARG:HB3	2	0.18	0.03	0.18
(2,1067)	1:232:A:GLU:HB2	1:232:A:GLU:HA	2	0.18	0.0	0.18
(1,793)	1:217:A:TYR:HE1	1:214:B:ARG:HD3	2	0.17	0.03	0.17
(1,793)	1:217:A:TYR:HE2	1:214:B:ARG:HD3	2	0.17	0.03	0.17
(2,489)	1:230:A:GLU:HG3	1:231:A:ASN:HD22	2	0.16	0.06	0.16
(2,1181)	1:214:A:ARG:HG3	1:217:B:TYR:HD1	2	0.16	0.02	0.16
(2,1181)	1:214:A:ARG:HG3	1:217:B:TYR:HD2	2	0.16	0.02	0.16
(2,488)	1:230:A:GLU:HG3	1:231:A:ASN:H	2	0.16	0.04	0.16
(2,2539)	1:238:A:VAL:HG12	1:227:B:ILE:HG22	2	0.16	0.04	0.16
(2,2539)	1:238:A:VAL:HG13	1:227:B:ILE:HG23	2	0.16	0.04	0.16
(1,1046)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	2	0.16	0.02	0.16
(1,1046)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	2	0.16	0.02	0.16
(1,1046)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	2	0.16	0.02	0.16
(2,1070)	1:233:A:GLY:H	1:232:A:GLU:HB2	2	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,772)	1:219:A:GLY:H	1:224:A:ILE:HD12	2	0.15	0.05	0.15
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG21	2	0.15	0.02	0.15
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG22	2	0.15	0.02	0.15
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG23	2	0.15	0.02	0.15
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG21	2	0.15	0.02	0.15
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG22	2	0.15	0.02	0.15
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG23	2	0.15	0.02	0.15
(2,1853)	1:201:A:LYS:H	1:201:A:LYS:HB2	2	0.15	0.02	0.15
(2,191)	1:238:A:VAL:HB	1:239:B:LEU:HD23	2	0.15	0.02	0.15
(2,191)	1:238:A:VAL:HB	1:239:B:LEU:HD21	2	0.15	0.02	0.15
(2,2034)	1:244:A:ASP:H	1:244:A:ASP:HB3	2	0.15	0.02	0.15
(1,157)	1:235:A:ASN:HA	1:234:A:GLU:HG2	2	0.14	0.01	0.14
(1,157)	1:235:A:ASN:HA	1:240:A:GLN:HG2	2	0.14	0.01	0.14
(1,606)	1:223:A:ASN:H	1:221:A:LEU:HD11	2	0.14	0.04	0.14
(1,606)	1:223:A:ASN:H	1:221:A:LEU:HD13	2	0.14	0.04	0.14
(1,898)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE2	2	0.14	0.04	0.14
(1,1128)	2:5482:C:PRO:HG2	1:253:A:PHE:HE1	2	0.14	0.0	0.14
(1,1128)	2:5482:C:PRO:HG2	1:253:A:PHE:HE2	2	0.14	0.0	0.14
(2,449)	1:224:A:ILE:HG23	1:221:A:LEU:HD12	2	0.14	0.02	0.14
(2,449)	1:224:A:ILE:HG21	1:221:A:LEU:HD11	2	0.14	0.02	0.14
(1,499)	1:202:A:VAL:HB	1:205:A:LEU:HG	2	0.14	0.02	0.14
(1,792)	1:217:A:TYR:HE1	1:214:B:ARG:HD2	2	0.14	0.01	0.14
(1,792)	1:217:A:TYR:HE2	1:214:B:ARG:HD2	2	0.14	0.01	0.14
(1,1036)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	2	0.14	0.01	0.14
(1,1036)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	2	0.14	0.01	0.14
(1,1036)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	2	0.14	0.01	0.14
(1,1121)	1:254:A:VAL:HG21	2:5483:C:GLN:HA	2	0.14	0.02	0.14
(1,1121)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	2	0.14	0.02	0.14
(1,1121)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	2	0.14	0.02	0.14
(2,218)	1:227:A:ILE:HD13	1:227:A:ILE:HG23	2	0.14	0.02	0.14
(2,218)	1:227:A:ILE:HD11	1:227:A:ILE:HG22	2	0.14	0.02	0.14
(1,1103)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	2	0.13	0.02	0.13
(1,1103)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	2	0.13	0.02	0.13
(2,789)	1:256:A:PRO:HG2	2:5478:C:LYS:HB2	2	0.13	0.03	0.13
(2,2083)	1:257:A:ASP:H	1:257:A:ASP:HB2	2	0.13	0.01	0.13
(2,2628)	1:227:A:ILE:HD11	1:241:B:ARG:HD2	2	0.13	0.02	0.13
(2,2628)	1:227:A:ILE:HD12	1:241:B:ARG:HD2	2	0.13	0.02	0.13
(2,2628)	1:227:A:ILE:HD13	1:241:B:ARG:HD2	2	0.13	0.02	0.13
(1,8)	1:228:A:CYS:HA	1:224:A:ILE:HG22	2	0.12	0.02	0.12
(1,8)	1:228:A:CYS:HA	1:224:A:ILE:HG23	2	0.12	0.02	0.12
(1,262)	1:245:A:ILE:H	1:246:A:LEU:HD21	2	0.12	0.02	0.12
(1,262)	1:245:A:ILE:H	1:246:A:LEU:HD23	2	0.12	0.02	0.12

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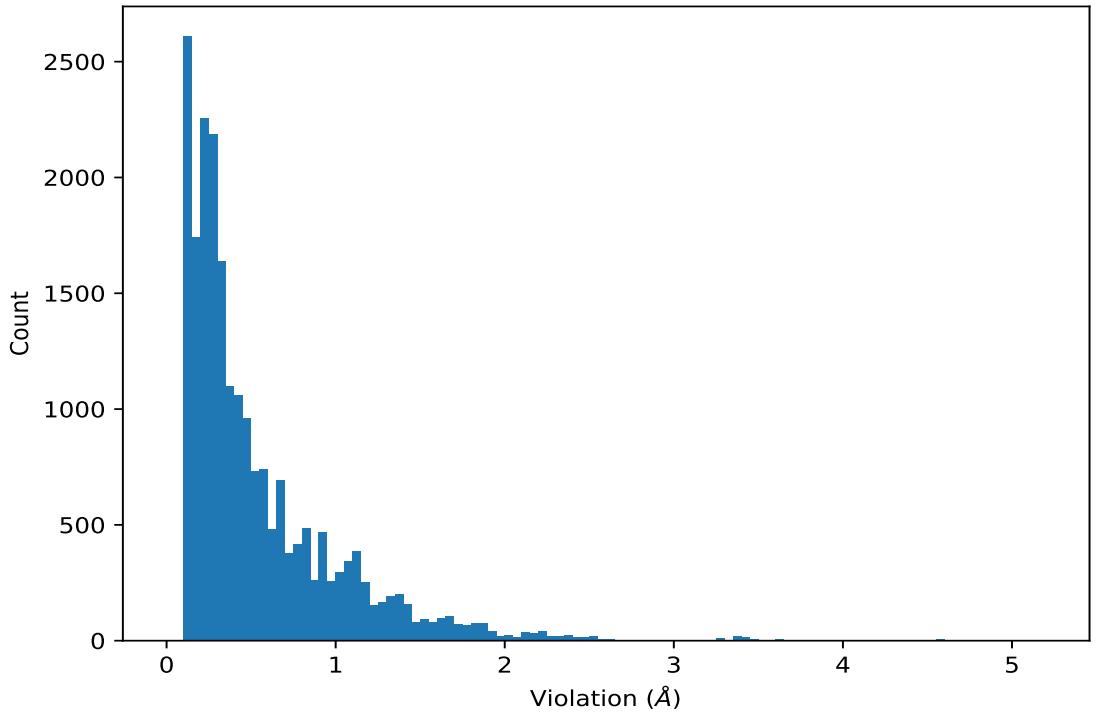
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,271)	1:246:A:LEU:H	1:245:A:ILE:HD13	2	0.12	0.02	0.12
(1,786)	1:221:B:LEU:HD21	1:217:A:TYR:HE1	2	0.12	0.01	0.12
(1,786)	1:221:B:LEU:HD21	1:217:A:TYR:HE2	2	0.12	0.01	0.12
(1,786)	1:221:B:LEU:HD22	1:217:A:TYR:HE1	2	0.12	0.01	0.12
(1,786)	1:221:B:LEU:HD22	1:217:A:TYR:HE2	2	0.12	0.01	0.12
(1,786)	1:221:B:LEU:HD23	1:217:A:TYR:HE1	2	0.12	0.01	0.12
(1,786)	1:221:B:LEU:HD23	1:217:A:TYR:HE2	2	0.12	0.01	0.12
(2,1299)	1:204:A:LYS:H	1:204:A:LYS:HG2	2	0.12	0.02	0.12
(2,1324)	1:204:A:LYS:HB3	1:203:B:LEU:HD21	2	0.12	0.02	0.12
(2,1632)	1:221:A:LEU:HA	2:5479:C:ILE:HD12	2	0.12	0.02	0.12
(2,1632)	1:221:A:LEU:HA	2:5479:C:ILE:HD13	2	0.12	0.02	0.12
(1,1033)	1:255:A:ILE:HD11	2:5478:C:LYS:HB2	2	0.12	0.01	0.12
(1,1033)	1:255:A:ILE:HD12	2:5478:C:LYS:HB2	2	0.12	0.01	0.12
(1,1033)	1:255:A:ILE:HD13	2:5478:C:LYS:HB2	2	0.12	0.01	0.12
(2,1484)	1:200:A:VAL:H	1:198:A:GLN:HA	2	0.12	0.0	0.12
(1,934)	2:5478:C:LYS:HB3	2:5478:C:LYS:HG2	2	0.11	0.0	0.11
(2,1053)	1:234:A:GLU:HB3	1:234:A:GLU:HG2	2	0.11	0.0	0.11
(2,2012)	1:238:A:VAL:H	1:239:A:LEU:H	2	0.11	0.0	0.11
(2,1328)	1:204:A:LYS:HB3	1:204:A:LYS:HB2	2	0.1	0.0	0.1
(2,1602)	1:237:A:PRO:HA	1:237:A:PRO:HG2	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	13	5.18
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	13	5.18
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	13	5.18
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG13	16	4.88
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG13	11	4.72
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG12	15	4.67
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG12	19	4.65
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG11	13	4.6
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG13	6	4.59
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG12	20	4.58
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG12	12	4.57
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG11	4	4.55
(2,100)	1:206:A:THR:HG23	1:202:A:VAL:HG11	17	4.54
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG12	9	4.53
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG11	18	4.53
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG11	3	4.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG13	14	4.46
(2,100)	1:206:A:THR:HG23	1:202:A:VAL:HG11	8	4.45
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG12	2	4.44
(2,100)	1:206:A:THR:HG21	1:202:A:VAL:HG11	7	4.41
(2,100)	1:206:A:THR:HG23	1:202:A:VAL:HG13	5	4.38
(2,100)	1:206:A:THR:HG22	1:202:A:VAL:HG13	10	4.38
(2,100)	1:206:A:THR:HG23	1:202:A:VAL:HG13	1	4.35
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD21	15	4.05
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD22	16	3.96
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	13	3.62
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	13	3.62
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	13	3.62
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	13	3.62
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	13	3.62
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	13	3.62
(2,692)	1:213:A:GLU:HA	1:214:B:ARG:HG2	18	3.49
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	2	3.47
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	2	3.47
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	2	3.47
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	11	3.45
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	11	3.45
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	11	3.45
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	6	3.43
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	6	3.43
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	6	3.43
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	15	3.43
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	15	3.43
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	15	3.43
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	5	3.42
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	5	3.42
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	5	3.42
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	9	3.42
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	9	3.42
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	9	3.42
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	10	3.41
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	10	3.41
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	10	3.41
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	7	3.4
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	7	3.4
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	7	3.4
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	14	3.4
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	14	3.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	14	3.4
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	3	3.37
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	3	3.37
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	3	3.37
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	16	3.37
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	16	3.37
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	16	3.37
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	17	3.36
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	17	3.36
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	17	3.36
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	8	3.35
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	8	3.35
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	8	3.35
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	1	3.32
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	1	3.32
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	1	3.32
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	18	3.28
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	18	3.28
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	18	3.28
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	4	3.27
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	4	3.27
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	4	3.27
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	19	3.25
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	19	3.25
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	19	3.25
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	9	3.16
(2,1191)	1:213:A:GLU:HB3	1:214:B:ARG:HG2	18	3.14
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	20	3.11
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	20	3.11
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	20	3.11
(1,1011)	1:249:A:THR:HG21	2:5478:C:LYS:HD3	12	3.02
(1,1011)	1:249:A:THR:HG22	2:5478:C:LYS:HD3	12	3.02
(1,1011)	1:249:A:THR:HG23	2:5478:C:LYS:HD3	12	3.02
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	17	3.0
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG23	14	2.99
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	4	2.97
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	19	2.91
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	12	2.72
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	12	2.72
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	12	2.72
(2,91)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	20	2.65
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG21	18	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	5	2.64
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	6	2.64
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	10	2.63
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD11	8	2.62
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD13	14	2.61
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD12	4	2.6
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	15	2.59
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	19	2.59
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	9	2.59
(1,235)	1:254:A:VAL:HG21	1:255:A:ILE:HG13	20	2.58
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD12	3	2.57
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	11	2.56
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	12	2.56
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	3	2.55
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD22	13	2.55
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	4	2.54
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	1	2.54
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD21	12	2.54
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG23	7	2.54
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	1	2.53
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	4	2.53
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD11	5	2.53
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	7	2.52
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	12	2.52
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	6	2.52
(1,235)	1:254:A:VAL:HG22	1:249:A:THR:HG21	16	2.52
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	20	2.51
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	14	2.5
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD22	3	2.5
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	7	2.5
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	8	2.5
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	11	2.49
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD21	19	2.49
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	2	2.49
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	16	2.48
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	17	2.48
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD21	5	2.48
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD22	18	2.48
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG21	8	2.48
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	13	2.48
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	15	2.48
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	19	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	17	2.47
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	1	2.47
(1,235)	1:254:A:VAL:HG21	1:255:A:ILE:HG13	6	2.47
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD22	10	2.46
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD12	17	2.45
(1,470)	1:239:A:LEU:HD11	1:243:A:VAL:HG22	16	2.45
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	2	2.44
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	17	2.44
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD11	2	2.44
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	3	2.44
(1,470)	1:239:A:LEU:HD13	1:243:A:VAL:HG21	17	2.44
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD21	6	2.43
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HG3	8	2.43
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG21	3	2.43
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD13	20	2.42
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	20	2.42
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD13	20	2.42
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	4	2.42
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	1	2.42
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	9	2.41
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD13	7	2.41
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	11	2.4
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	11	2.4
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	11	2.4
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	11	2.4
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	11	2.4
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	11	2.4
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	5	2.4
(1,470)	1:239:A:LEU:HD12	1:243:A:VAL:HG22	14	2.4
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	14	2.4
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	14	2.39
(2,1314)	1:204:A:LYS:HD3	1:203:A:LEU:HD23	20	2.39
(1,235)	1:254:A:VAL:HG23	1:255:A:ILE:HG13	4	2.39
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	18	2.38
(2,216)	1:227:A:ILE:HD13	1:242:B:ILE:HD11	12	2.38
(1,235)	1:254:A:VAL:HG22	1:249:A:THR:HG23	14	2.38
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD11	1	2.37
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG21	17	2.37
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG13	9	2.37
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	4	2.36
(1,235)	1:254:A:VAL:HG23	1:255:A:ILE:HG13	19	2.36
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG12	13	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD11	6	2.35
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	13	2.35
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	19	2.34
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD11	11	2.34
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	16	2.33
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	8	2.33
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	10	2.33
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	5	2.33
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	5	2.33
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	5	2.33
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	5	2.33
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	5	2.33
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	5	2.33
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG13	12	2.33
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD12	18	2.32
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	5	2.32
(1,235)	1:254:A:VAL:HG22	1:255:A:ILE:HG13	1	2.32
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD11	12	2.31
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	4	2.31
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	8	2.31
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	9	2.3
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	8	2.29
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	17	2.29
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	3	2.29
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG11	11	2.29
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	18	2.29
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD13	7	2.28
(2,670)	1:215:A:ASP:HA	1:214:A:ARG:HD2	18	2.28
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	12	2.28
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG23	7	2.28
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD11	10	2.27
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	10	2.27
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	10	2.27
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	10	2.27
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	5	2.26
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	7	2.26
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	4	2.25
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	4	2.25
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	4	2.25
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	16	2.25
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	7	2.25
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	14	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD11	10	2.24
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	20	2.24
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	20	2.24
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	20	2.24
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	20	2.24
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	20	2.24
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	20	2.24
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	12	2.24
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	16	2.23
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	7	2.23
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	15	2.23
(1,235)	1:254:A:VAL:HG21	1:255:A:ILE:HG13	18	2.23
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	3	2.22
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	7	2.22
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD13	9	2.22
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	14	2.22
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	14	2.22
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	14	2.22
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	14	2.22
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	14	2.22
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	14	2.22
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	5	2.22
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	19	2.22
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	20	2.22
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG23	9	2.22
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	19	2.22
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD11	4	2.21
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	17	2.21
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	14	2.21
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	5	2.21
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	17	2.21
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD11	1	2.2
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	18	2.2
(2,1261)	1:207:A:VAL:HG12	1:204:A:LYS:HG2	3	2.2
(2,1261)	1:207:A:VAL:HG12	1:204:A:LYS:HG2	19	2.2
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	14	2.2
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD12	15	2.2
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	1	2.2
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	3	2.2
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG22	2	2.2
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG12	4	2.2
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	6	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	1	2.19
(2,216)	1:227:A:ILE:HD12	1:242:B:ILE:HD12	13	2.19
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	9	2.19
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	19	2.18
(1,532)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	10	2.18
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	2	2.18
(1,235)	1:254:A:VAL:HG22	1:249:A:THR:HG22	10	2.18
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD22	14	2.17
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	2	2.17
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	13	2.17
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	13	2.17
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	6	2.17
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	6	2.17
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	6	2.17
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	6	2.17
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	6	2.17
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	6	2.17
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	10	2.17
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	10	2.17
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	10	2.17
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG13	19	2.17
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD11	8	2.16
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD23	12	2.16
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	20	2.16
(2,1367)	1:202:A:VAL:HG23	1:198:A:GLN:HG2	13	2.16
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	10	2.16
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	12	2.16
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	13	2.15
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	1	2.15
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	11	2.15
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD11	2	2.14
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD22	11	2.14
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	1	2.14
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG13	14	2.14
(2,1261)	1:207:A:VAL:HG12	1:204:A:LYS:HG2	2	2.14
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	19	2.14
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	19	2.14
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	19	2.14
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD11	6	2.13
(2,1367)	1:202:A:VAL:HG23	1:198:A:GLN:HG2	9	2.13
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	12	2.13
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	2	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	7	2.13
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	13	2.13
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD12	18	2.12
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD21	15	2.12
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	16	2.12
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	4	2.12
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG13	2	2.12
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG12	17	2.12
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG13	20	2.12
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD13	14	2.11
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	6	2.11
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	12	2.11
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD13	16	2.11
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	6	2.11
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG11	5	2.11
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD12	19	2.1
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD23	6	2.1
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	11	2.1
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	18	2.1
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG12	3	2.1
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG11	6	2.1
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG11	14	2.1
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	3	2.1
(1,4)	1:240:A:GLN:HA	1:238:A:VAL:HB	9	2.1
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	5	2.09
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD23	5	2.08
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	16	2.08
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD12	15	2.06
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD22	4	2.06
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	18	2.06
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	3	2.06
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	17	2.06
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	9	2.06
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	15	2.06
(2,225)	1:226:A:LEU:HD11	1:222:A:ARG:HD3	18	2.06
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	15	2.06
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	4	2.06
(1,532)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	2	2.06
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	11	2.05
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	5	2.05
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG21	3	2.05
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	20	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD21	15	2.04
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD11	3	2.03
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	1	2.03
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	1	2.03
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	1	2.03
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	9	2.02
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	13	2.02
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	10	2.02
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG21	15	2.02
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD11	5	2.01
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD12	17	2.01
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	2	2.01
(2,2546)	1:239:A:LEU:HD11	1:242:B:ILE:HD12	16	2.0
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD22	2	2.0
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	1	2.0
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	11	2.0
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG21	13	2.0
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG11	1	2.0
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG11	16	2.0
(1,59)	1:200:A:VAL:HG12	1:202:A:VAL:HG12	18	2.0
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	20	1.99
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	11	1.99
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	12	1.99
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG21	18	1.99
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD11	11	1.98
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	12	1.98
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	12	1.98
(2,1261)	1:207:A:VAL:HG11	1:204:A:LYS:HG2	13	1.97
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	4	1.97
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	8	1.97
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	10	1.97
(2,216)	1:227:A:ILE:HD11	1:242:B:ILE:HD12	19	1.97
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	20	1.97
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	10	1.96
(2,1136)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	11	1.96
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	7	1.96
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	18	1.96
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG11	10	1.96
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	18	1.95
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	15	1.95
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	7	1.95
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	7	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG12	8	1.95
(2,2546)	1:239:A:LEU:HD13	1:242:B:ILE:HD11	13	1.94
(2,2345)	1:196:A:LEU:HD21	1:196:B:LEU:HB2	9	1.94
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD12	20	1.94
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD21	16	1.94
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG21	8	1.94
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	13	1.93
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	16	1.93
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD12	3	1.93
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	17	1.93
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	7	1.93
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	17	1.93
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	17	1.93
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	17	1.93
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD21	19	1.92
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	14	1.92
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	9	1.92
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD23	8	1.92
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	10	1.92
(1,248)	1:206:A:THR:HG23	1:204:B:LYS:HA	17	1.92
(1,59)	1:200:A:VAL:HG11	1:202:A:VAL:HG12	7	1.92
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD21	9	1.91
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD22	20	1.91
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	3	1.91
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	8	1.91
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	3	1.91
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	20	1.91
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	12	1.91
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	12	1.91
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	12	1.91
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	12	1.91
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	12	1.91
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	12	1.91
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD22	20	1.91
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD13	15	1.91
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	3	1.91
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	15	1.9
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	15	1.9
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	6	1.9
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	18	1.9
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD21	15	1.9
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD21	18	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	12	1.9
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	5	1.9
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD22	17	1.9
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD23	7	1.9
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	5	1.9
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD12	6	1.9
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	13	1.9
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	12	1.89
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	15	1.89
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD22	6	1.89
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	11	1.89
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	13	1.89
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	14	1.89
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	14	1.89
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	18	1.89
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	17	1.88
(2,1367)	1:202:A:VAL:HG23	1:198:A:GLN:HG2	1	1.88
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	14	1.88
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	20	1.88
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	13	1.88
(2,330)	1:206:A:THR:HG21	1:205:A:LEU:HD23	8	1.88
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD23	9	1.88
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG23	7	1.88
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	4	1.88
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	16	1.88
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	16	1.88
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	16	1.88
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD21	3	1.87
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD22	3	1.87
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD23	3	1.87
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD21	3	1.87
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD22	3	1.87
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD23	3	1.87
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD21	3	1.87
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD22	3	1.87
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD23	3	1.87
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	14	1.87
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	16	1.87
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	7	1.87
(2,330)	1:206:A:THR:HG21	1:205:A:LEU:HD22	1	1.87
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD22	20	1.87
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	3	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	6	1.87
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD12	10	1.87
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	15	1.86
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	6	1.86
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD23	2	1.86
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD23	13	1.86
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD21	19	1.86
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	6	1.86
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	4	1.86
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	1	1.86
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	7	1.86
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	10	1.86
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB3	19	1.86
(1,498)	1:202:A:VAL:HB	1:204:A:LYS:HB2	4	1.86
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD12	14	1.86
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	6	1.86
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG23	20	1.85
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	20	1.85
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	20	1.85
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	20	1.85
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD21	10	1.85
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG21	14	1.85
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	4	1.85
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	17	1.85
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	14	1.85
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	19	1.85
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	11	1.85
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	15	1.85
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD23	3	1.84
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	1	1.84
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	7	1.84
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	2	1.84
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	19	1.84
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	4	1.84
(1,362)	1:227:A:ILE:HG23	1:224:A:ILE:HD13	8	1.84
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	10	1.84
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	15	1.83
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	1	1.83
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	2	1.83
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	2	1.83
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	18	1.83
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	19	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	2	1.83
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	16	1.83
(1,248)	1:249:A:THR:HG22	1:252:A:GLY:HA2	5	1.83
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	20	1.83
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD21	13	1.82
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD22	13	1.82
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD23	13	1.82
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD21	13	1.82
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD22	13	1.82
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD23	13	1.82
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD21	13	1.82
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD22	13	1.82
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD23	13	1.82
(2,2527)	1:224:A:ILE:HG23	1:221:B:LEU:HD21	16	1.82
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	20	1.82
(2,1261)	1:207:A:VAL:HG12	1:204:A:LYS:HG2	9	1.82
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	18	1.82
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG21	8	1.82
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	13	1.82
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	15	1.82
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG21	19	1.82
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	10	1.82
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	14	1.82
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	17	1.82
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	2	1.82
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	2	1.82
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	2	1.82
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	10	1.82
(1,498)	1:202:A:VAL:HB	1:204:A:LYS:HB2	19	1.82
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD13	4	1.82
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD13	7	1.82
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD12	20	1.82
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	3	1.81
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	5	1.81
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	1	1.81
(2,330)	1:206:A:THR:HG21	1:205:A:LEU:HD22	5	1.81
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	18	1.81
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	9	1.81
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	9	1.81
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	9	1.81
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	1	1.81
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	14	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD11	1	1.81
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD11	17	1.81
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	9	1.81
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	11	1.81
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	13	1.8
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD23	4	1.8
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD23	11	1.8
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG22	1	1.8
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	3	1.8
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	2	1.8
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD22	12	1.8
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	8	1.8
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD13	14	1.8
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	1	1.8
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	7	1.8
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD13	3	1.8
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	6	1.8
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	14	1.8
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	20	1.79
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	7	1.79
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD23	12	1.79
(2,319)	1:239:A:LEU:HD11	1:243:A:VAL:HG22	16	1.79
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	7	1.79
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	7	1.79
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	7	1.79
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	15	1.79
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	15	1.79
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	15	1.79
(1,594)	1:210:A:LEU:HA	1:205:A:LEU:HD21	18	1.79
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	12	1.79
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	15	1.79
(1,362)	1:227:A:ILE:HG23	1:224:A:ILE:HD11	12	1.79
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	14	1.79
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	16	1.78
(2,319)	1:239:A:LEU:HD13	1:243:A:VAL:HG21	17	1.78
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	2	1.78
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG21	5	1.78
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	16	1.78
(1,220)	1:242:A:ILE:HD11	1:224:A:ILE:H	9	1.78
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD11	7	1.78
(1,59)	1:200:A:VAL:HG13	1:202:A:VAL:HG13	15	1.78
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	14	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	7	1.77
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	12	1.77
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	17	1.77
(2,420)	1:209:A:ASP:HA	1:212:A:LYS:HD2	8	1.77
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	3	1.77
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	16	1.77
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	3	1.77
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	6	1.77
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG21	19	1.77
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	15	1.77
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	4	1.77
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	8	1.77
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	2	1.77
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD13	2	1.77
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD11	9	1.77
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD11	19	1.77
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	1	1.77
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	2	1.77
(2,2345)	1:196:A:LEU:HD23	1:196:B:LEU:HB2	11	1.76
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	4	1.76
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	15	1.76
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	7	1.76
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD12	18	1.76
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	17	1.76
(1,558)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	14	1.76
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	17	1.76
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD12	5	1.76
(1,362)	1:227:A:ILE:HG21	1:224:A:ILE:HD13	11	1.76
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	17	1.76
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	17	1.76
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	8	1.75
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	17	1.75
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	19	1.75
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	4	1.75
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD13	15	1.75
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB2	4	1.75
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	4	1.75
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	6	1.75
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	18	1.75
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB3	5	1.75
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB3	18	1.75
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	20	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	2	1.75
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	15	1.75
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	16	1.75
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD21	8	1.74
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD22	8	1.74
(2,2613)	1:221:A:LEU:HD21	1:221:B:LEU:HD23	8	1.74
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD21	8	1.74
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD22	8	1.74
(2,2613)	1:221:A:LEU:HD22	1:221:B:LEU:HD23	8	1.74
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD21	8	1.74
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD22	8	1.74
(2,2613)	1:221:A:LEU:HD23	1:221:B:LEU:HD23	8	1.74
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD21	10	1.74
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	7	1.74
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	14	1.74
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG23	5	1.74
(2,319)	1:239:A:LEU:HD12	1:243:A:VAL:HG22	14	1.74
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE1	13	1.74
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE2	13	1.74
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE1	13	1.74
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE2	13	1.74
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE1	13	1.74
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE2	13	1.74
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	1	1.74
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	11	1.74
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	17	1.74
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	8	1.74
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD13	18	1.74
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	20	1.74
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	15	1.74
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	18	1.74
(1,220)	1:242:A:ILE:HD11	1:224:A:ILE:H	20	1.74
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	13	1.74
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG23	4	1.74
(2,2345)	1:196:A:LEU:HD22	1:196:B:LEU:HB2	4	1.73
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD21	10	1.73
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG21	17	1.73
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	8	1.73
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	10	1.73
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	19	1.73
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	3	1.73
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	3	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	3	1.73
(1,1001)	2:5485:C:LYS:HG2	2:5484:C:ARG:HA	19	1.73
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD13	7	1.73
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	12	1.73
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	3	1.73
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	6	1.73
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	19	1.73
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	16	1.73
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	6	1.73
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	5	1.73
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	15	1.72
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	11	1.72
(2,57)	1:202:A:VAL:HA	1:199:A:GLN:HB3	8	1.72
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	17	1.72
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD23	3	1.72
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	1	1.72
(1,216)	1:242:A:ILE:HD13	1:241:A:ARG:HA	9	1.72
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	17	1.72
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	9	1.71
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	17	1.71
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	1	1.71
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	2	1.71
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	18	1.71
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	3	1.71
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	5	1.71
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	12	1.71
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	13	1.71
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	2	1.71
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	10	1.71
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	1	1.71
(1,216)	1:242:A:ILE:HD13	1:232:A:GLU:HA	8	1.71
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	11	1.71
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	2	1.71
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG21	20	1.71
(2,2527)	1:224:A:ILE:HG23	1:221:B:LEU:HD22	1	1.7
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	4	1.7
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	8	1.7
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	19	1.7
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	6	1.7
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	1	1.7
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	14	1.7
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	17	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	16	1.7
(2,420)	1:209:A:ASP:HA	1:212:A:LYS:HD2	7	1.7
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD12	16	1.7
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG12	15	1.7
(2,330)	1:206:A:THR:HG21	1:205:A:LEU:HD23	17	1.7
(2,241)	1:224:A:ILE:HD12	1:242:B:ILE:HG12	5	1.7
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	19	1.7
(2,183)	1:238:A:VAL:HG21	1:227:B:ILE:HG12	11	1.7
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD13	20	1.7
(1,362)	1:227:A:ILE:HG22	1:224:A:ILE:HD11	16	1.7
(1,318)	1:241:A:ARG:HG3	1:239:A:LEU:HD12	9	1.7
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	6	1.7
(1,248)	1:206:A:THR:HG23	1:204:B:LYS:HA	8	1.7
(1,216)	1:242:A:ILE:HD13	1:241:A:ARG:HA	7	1.7
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	10	1.7
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	3	1.7
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	18	1.7
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	4	1.69
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	10	1.69
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	7	1.69
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB2	13	1.69
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	12	1.69
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	4	1.69
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	14	1.69
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	12	1.69
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD21	18	1.69
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB3	9	1.69
(1,362)	1:227:A:ILE:HG23	1:224:A:ILE:HD13	13	1.69
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	2	1.69
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	11	1.69
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	12	1.69
(1,220)	1:242:A:ILE:HD11	1:224:A:ILE:H	16	1.69
(1,216)	1:242:A:ILE:HD11	1:241:A:ARG:HA	12	1.69
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD13	4	1.69
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB3	8	1.68
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	9	1.68
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	3	1.68
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	5	1.68
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	2	1.68
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	10	1.68
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	13	1.68
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	19	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	2	1.68
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	8	1.68
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	8	1.68
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	8	1.68
(1,558)	1:193:A:ALA:HB1	1:192:B:GLU:HB2	9	1.68
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	12	1.68
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	12	1.68
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	19	1.68
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD11	12	1.68
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	1	1.68
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD12	4	1.68
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	5	1.67
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB3	2	1.67
(2,1480)	1:196:A:LEU:H	1:198:A:GLN:HB2	7	1.67
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	6	1.67
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	19	1.67
(2,330)	1:206:A:THR:HG22	1:205:A:LEU:HD23	7	1.67
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB2	12	1.67
(2,241)	1:224:A:ILE:HD12	1:242:B:ILE:HG12	6	1.67
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	15	1.67
(2,241)	1:224:A:ILE:HD12	1:242:B:ILE:HG12	20	1.67
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG22	20	1.67
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	13	1.67
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD21	17	1.67
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD21	19	1.67
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	11	1.67
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	1	1.67
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	7	1.67
(1,248)	1:206:A:THR:HG23	1:204:B:LYS:HA	1	1.67
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	3	1.67
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	2	1.67
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	3	1.67
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	5	1.67
(1,220)	1:242:A:ILE:HD11	1:224:A:ILE:H	7	1.67
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	19	1.67
(1,216)	1:242:A:ILE:HD13	1:232:A:GLU:HA	5	1.67
(1,216)	1:242:A:ILE:HD12	1:241:A:ARG:HA	18	1.67
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD11	19	1.67
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD23	18	1.66
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB2	10	1.66
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	6	1.66
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB1	11	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,257)	1:212:A:LYS:HE2	1:208:A:GLU:HB2	6	1.66
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	1	1.66
(2,241)	1:224:A:ILE:HD12	1:242:B:ILE:HG12	14	1.66
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG21	12	1.66
(2,102)	1:206:A:THR:HG22	1:210:A:LEU:HD13	8	1.66
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	4	1.66
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	2	1.66
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG23	4	1.66
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG21	11	1.66
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD12	19	1.66
(1,430)	1:207:A:VAL:HG11	1:204:A:LYS:H	13	1.66
(1,234)	1:254:A:VAL:HG22	1:255:A:ILE:HG12	17	1.66
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	4	1.66
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD12	5	1.66
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	3	1.65
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	10	1.65
(2,347)	1:201:A:LYS:HB2	1:202:A:VAL:HG13	19	1.65
(2,241)	1:224:A:ILE:HD12	1:242:B:ILE:HG12	10	1.65
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	7	1.65
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	9	1.65
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	6	1.65
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	13	1.65
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	15	1.65
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	9	1.65
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	8	1.65
(1,220)	1:242:A:ILE:HD11	1:224:A:ILE:H	14	1.65
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	5	1.64
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	5	1.64
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	5	1.64
(2,1419)	1:198:A:GLN:HE22	1:201:A:LYS:HD2	14	1.64
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	16	1.64
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	2	1.64
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG22	19	1.64
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG21	9	1.64
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	13	1.64
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD11	10	1.64
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	15	1.64
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	9	1.64
(1,220)	1:242:A:ILE:HD12	1:224:A:ILE:H	6	1.64
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	11	1.63
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	14	1.63
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	14	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	4	1.63
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	4	1.63
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	9	1.63
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	8	1.63
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD22	5	1.63
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD21	8	1.63
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD13	16	1.63
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB2	20	1.63
(1,130)	1:244:A:ASP:HA	1:245:A:ILE:HD11	8	1.63
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG22	2	1.63
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG21	19	1.63
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	17	1.62
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	17	1.62
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	17	1.62
(2,2403)	1:227:A:ILE:HD12	1:241:B:ARG:HG2	3	1.62
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG13	6	1.62
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	12	1.62
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	6	1.62
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	5	1.62
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	16	1.62
(2,1412)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	3	1.62
(2,869)	1:255:A:ILE:HB	1:249:A:THR:HG21	13	1.62
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB3	9	1.62
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	18	1.62
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	15	1.62
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	3	1.62
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD22	2	1.62
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD22	7	1.62
(1,581)	1:239:A:LEU:HD21	1:232:A:GLU:HB2	17	1.62
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	18	1.62
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	13	1.62
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	7	1.62
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	4	1.62
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	6	1.62
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	10	1.62
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG23	9	1.62
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	6	1.61
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	11	1.61
(2,1419)	1:198:A:GLN:HE22	1:201:A:LYS:HD2	17	1.61
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	2	1.61
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	7	1.61
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD23	6	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB1	11	1.61
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	20	1.61
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	14	1.61
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	16	1.61
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	7	1.61
(1,44)	1:238:A:VAL:HG13	1:242:A:ILE:HD13	16	1.61
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG22	8	1.61
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG23	16	1.61
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	19	1.6
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	1	1.6
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	18	1.6
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	19	1.6
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	8	1.6
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	18	1.6
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	3	1.6
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	15	1.6
(2,846)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	11	1.6
(2,347)	1:201:A:LYS:HB2	1:202:A:VAL:HG12	4	1.6
(1,1021)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	20	1.6
(1,1021)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	20	1.6
(1,1021)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	20	1.6
(1,573)	1:227:A:ILE:HG13	1:242:B:ILE:HD13	9	1.6
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	12	1.6
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	5	1.6
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	17	1.6
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	9	1.6
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	19	1.6
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	18	1.59
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	4	1.59
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	11	1.59
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	17	1.59
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	15	1.59
(1,554)	1:195:A:GLU:HB2	1:194:A:ALA:HB3	16	1.59
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	10	1.59
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	16	1.59
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG21	14	1.59
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	14	1.58
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	14	1.58
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	14	1.58
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	14	1.58
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	6	1.58
(2,1631)	1:221:A:LEU:HD13	2:5479:C:ILE:HD12	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	2	1.58
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	14	1.58
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	13	1.58
(2,330)	1:206:A:THR:HG23	1:205:A:LEU:HD22	14	1.58
(2,257)	1:212:A:LYS:HE2	1:208:A:GLU:HB2	1	1.58
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG21	1	1.58
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	8	1.58
(1,594)	1:210:A:LEU:HA	1:207:B:VAL:HG22	1	1.58
(1,558)	1:193:A:ALA:HB2	1:192:B:GLU:HB2	5	1.58
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	9	1.58
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	11	1.58
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	16	1.58
(1,220)	1:242:A:ILE:HD13	1:224:A:ILE:H	13	1.58
(1,193)	1:208:A:GLU:H	1:210:A:LEU:HD21	18	1.58
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	2	1.58
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG21	5	1.58
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	9	1.58
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG12	11	1.57
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	11	1.57
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	17	1.57
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	1	1.57
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	15	1.57
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	6	1.57
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	14	1.57
(1,1001)	2:5485:C:LYS:HG2	2:5484:C:ARG:HA	17	1.57
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD21	10	1.57
(1,581)	1:239:A:LEU:HD22	1:237:B:PRO:HG2	10	1.57
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	15	1.57
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	14	1.57
(1,491)	1:202:A:VAL:HG23	1:204:A:LYS:HB2	4	1.57
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	12	1.57
(1,371)	1:226:A:LEU:HD22	1:222:A:ARG:HD3	14	1.57
(1,234)	1:254:A:VAL:HG22	1:255:A:ILE:HG12	13	1.57
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	19	1.57
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG21	7	1.57
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB2	7	1.56
(2,1631)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	7	1.56
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	10	1.56
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	5	1.56
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	12	1.56
(2,241)	1:224:A:ILE:HD11	1:242:B:ILE:HG12	16	1.56
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG22	4	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	11	1.56
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG11	19	1.56
(1,193)	1:208:A:GLU:H	1:210:A:LEU:HD23	10	1.56
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	3	1.56
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	12	1.56
(1,52)	1:210:A:LEU:HD11	1:207:B:VAL:HG22	13	1.56
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG21	3	1.56
(2,2541)	1:238:A:VAL:HG22	1:238:B:VAL:HG22	17	1.55
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	12	1.55
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD12	20	1.55
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	5	1.55
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD22	1	1.55
(1,591)	1:194:A:ALA:H	1:196:A:LEU:HD23	14	1.55
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	4	1.55
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG11	9	1.55
(1,371)	1:226:A:LEU:HD23	2:5475:C:LYS:HE2	4	1.55
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	11	1.55
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	15	1.55
(1,235)	1:254:A:VAL:HG21	1:249:A:THR:HG21	5	1.55
(1,234)	1:254:A:VAL:HG21	1:255:A:ILE:HG12	8	1.55
(1,216)	1:242:A:ILE:HD12	1:232:A:GLU:HA	20	1.55
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	1	1.55
(2,2527)	1:224:A:ILE:HG23	1:221:B:LEU:HD23	17	1.54
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB1	1	1.54
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	8	1.54
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	20	1.54
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	1	1.54
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	6	1.54
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	6	1.54
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	6	1.54
(1,591)	1:196:A:LEU:HD21	1:194:B:ALA:H	5	1.54
(1,581)	1:239:A:LEU:HD22	1:237:B:PRO:HG2	13	1.54
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	6	1.54
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	17	1.54
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	6	1.54
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	10	1.54
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	18	1.54
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	7	1.54
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	16	1.54
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	16	1.54
(2,2527)	1:224:A:ILE:HG22	1:221:B:LEU:HD21	7	1.53
(2,1419)	1:198:A:GLN:HE22	1:201:A:LYS:HD2	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	16	1.53
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	15	1.53
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	20	1.53
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	20	1.53
(1,1122)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	20	1.53
(1,1122)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	20	1.53
(1,1122)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	20	1.53
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	18	1.53
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	18	1.53
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	3	1.52
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	7	1.52
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	6	1.52
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	10	1.52
(2,972)	1:241:A:ARG:HG3	1:240:A:GLN:HE21	9	1.52
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	19	1.52
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG13	13	1.52
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB2	20	1.52
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	13	1.52
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG22	10	1.52
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	16	1.52
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	20	1.52
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	12	1.52
(1,512)	1:207:A:VAL:HG22	1:208:A:GLU:HG2	4	1.52
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	5	1.52
(1,512)	1:200:A:VAL:HG21	1:198:A:GLN:HG2	13	1.52
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	14	1.52
(1,491)	1:202:A:VAL:HG22	1:204:A:LYS:HB2	19	1.52
(1,471)	1:246:A:LEU:HD12	1:243:A:VAL:HG23	20	1.52
(1,371)	1:226:A:LEU:HD23	2:5475:C:LYS:HE2	2	1.52
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	10	1.52
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	4	1.52
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	15	1.52
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	6	1.52
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD12	3	1.52
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG21	1	1.52
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG21	4	1.52
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	10	1.51
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	17	1.51
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	19	1.51
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	15	1.51
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	16	1.51
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	5	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	5	1.51
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	7	1.51
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	4	1.51
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	9	1.51
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	20	1.51
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	13	1.51
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG13	16	1.51
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	3	1.51
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	16	1.51
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	20	1.51
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	5	1.51
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG11	10	1.51
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG23	18	1.51
(1,121)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	14	1.51
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	1	1.5
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG13	19	1.5
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	8	1.5
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD13	10	1.5
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	3	1.5
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	1	1.5
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	6	1.5
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	3	1.5
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	16	1.5
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	9	1.5
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	14	1.5
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	3	1.5
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	8	1.5
(1,52)	1:210:A:LEU:HD11	1:207:B:VAL:HG21	11	1.5
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG23	11	1.5
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	19	1.49
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	10	1.49
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG13	10	1.49
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG12	16	1.49
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	13	1.49
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	7	1.49
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	8	1.49
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	8	1.49
(2,840)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	10	1.49
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	19	1.49
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG21	3	1.49
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	17	1.49
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB1	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	8	1.49
(1,581)	1:239:A:LEU:HD21	1:232:A:GLU:HB2	5	1.49
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	10	1.49
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	20	1.49
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG23	6	1.49
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG23	12	1.49
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	9	1.48
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	12	1.48
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	13	1.48
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	20	1.48
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	10	1.48
(2,1208)	1:201:A:LYS:HE2	1:201:A:LYS:H	14	1.48
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	14	1.48
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	6	1.48
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	11	1.48
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	1	1.48
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	7	1.48
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	7	1.48
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	9	1.48
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	11	1.48
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	19	1.48
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	4	1.48
(1,512)	1:207:A:VAL:HG23	1:208:A:GLU:HG2	8	1.48
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	3	1.48
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	8	1.48
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	18	1.48
(1,371)	1:226:A:LEU:HD22	2:5475:C:LYS:HE2	13	1.48
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	17	1.48
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG22	13	1.48
(1,42)	1:239:A:LEU:HD21	1:242:B:ILE:HG21	18	1.48
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	7	1.47
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	4	1.47
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	17	1.47
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	16	1.47
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG13	20	1.47
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB3	19	1.47
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	7	1.47
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	17	1.47
(1,558)	1:193:A:ALA:HB2	1:192:B:GLU:HB2	20	1.47
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG21	19	1.47
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG11	2	1.47
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	6	1.47
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	17	1.47
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD11	5	1.47
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	4	1.46
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	16	1.46
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	11	1.46
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	13	1.46
(2,1208)	1:201:A:LYS:HE2	1:201:A:LYS:H	17	1.46
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	3	1.46
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	12	1.46
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	14	1.46
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB3	16	1.46
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG12	15	1.46
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	9	1.46
(1,591)	1:196:A:LEU:HD21	1:194:B:ALA:H	16	1.46
(1,512)	1:207:A:VAL:HG22	1:208:A:GLU:HG2	18	1.46
(1,371)	1:226:A:LEU:HD21	1:222:A:ARG:HD3	15	1.46
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	17	1.46
(1,248)	1:206:A:THR:HG22	1:204:B:LYS:HA	12	1.46
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	4	1.46
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	6	1.46
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	19	1.46
(1,44)	1:238:A:VAL:HG12	1:242:B:ILE:HD12	14	1.46
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	15	1.46
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	12	1.45
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	12	1.45
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	12	1.45
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	12	1.45
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	12	1.45
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	12	1.45
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	12	1.45
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	12	1.45
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	12	1.45
(2,1698)	1:218:A:PHE:H	1:221:A:LEU:HD13	13	1.45
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	16	1.45
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	5	1.45
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD11	12	1.45
(2,1261)	1:207:A:VAL:HG13	1:204:A:LYS:HG2	16	1.45
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	10	1.45
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	11	1.45
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	14	1.45
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	17	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	11	1.45
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	12	1.45
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB3	5	1.45
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	13	1.45
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	13	1.45
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	2	1.45
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	4	1.45
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	6	1.45
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	12	1.45
(1,581)	1:239:A:LEU:HD22	1:237:B:PRO:HG2	4	1.45
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	15	1.45
(1,533)	1:200:A:VAL:HG13	1:198:A:GLN:HB2	2	1.45
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	20	1.45
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	4	1.45
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG13	1	1.45
(1,318)	1:239:A:LEU:HD12	1:234:A:GLU:HB2	17	1.45
(1,248)	1:206:A:THR:HG21	1:204:B:LYS:HA	13	1.45
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	10	1.45
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG13	5	1.45
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	8	1.45
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	12	1.45
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	15	1.45
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	11	1.45
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	12	1.45
(1,42)	1:239:A:LEU:HD23	1:242:B:ILE:HG22	17	1.45
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	18	1.44
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	11	1.44
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	20	1.44
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	7	1.44
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	3	1.44
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG22	5	1.44
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	1	1.44
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	9	1.44
(2,839)	1:254:A:VAL:HG22	1:256:A:PRO:HD2	17	1.44
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	16	1.44
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	18	1.44
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	13	1.44
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	20	1.44
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	10	1.44
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	9	1.44
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	8	1.44
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	10	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:200:A:VAL:HG13	1:198:A:GLN:HB2	19	1.44
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	17	1.44
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	6	1.44
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	4	1.44
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG21	10	1.44
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	6	1.43
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	6	1.43
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	6	1.43
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	6	1.43
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	6	1.43
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	6	1.43
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	6	1.43
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	6	1.43
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	6	1.43
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	11	1.43
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	11	1.43
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	11	1.43
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	11	1.43
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	11	1.43
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	11	1.43
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	11	1.43
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	11	1.43
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	11	1.43
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	12	1.43
(2,2437)	1:245:A:ILE:HG22	1:220:B:LYS:HG2	19	1.43
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	3	1.43
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	20	1.43
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD11	5	1.43
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD11	17	1.43
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	2	1.43
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	6	1.43
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	15	1.43
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	8	1.43
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	7	1.43
(2,241)	1:224:A:ILE:HD13	1:242:B:ILE:HG12	11	1.43
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD12	15	1.43
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	13	1.43
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	10	1.43
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	11	1.43
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	7	1.43
(1,430)	1:204:A:LYS:H	1:200:A:VAL:HG12	11	1.43
(1,428)	1:200:A:VAL:HG12	1:204:A:LYS:HD3	9	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	18	1.43
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	14	1.43
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	7	1.43
(1,193)	1:210:A:LEU:HD22	1:208:B:GLU:H	7	1.43
(1,193)	1:210:A:LEU:HD21	1:208:B:GLU:H	15	1.43
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	6	1.42
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	14	1.42
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG13	2	1.42
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	15	1.42
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	5	1.42
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	14	1.42
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	19	1.42
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	8	1.42
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	20	1.42
(1,558)	1:193:A:ALA:HB1	1:192:B:GLU:HB2	13	1.42
(1,471)	1:246:A:LEU:HD12	1:243:A:VAL:HG21	15	1.42
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	17	1.42
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	17	1.42
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	2	1.42
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	3	1.42
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	7	1.42
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	18	1.42
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	16	1.42
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	14	1.41
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	14	1.41
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	14	1.41
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	14	1.41
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	14	1.41
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	14	1.41
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	14	1.41
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	14	1.41
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	14	1.41
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	14	1.41
(2,2331)	1:225:A:GLU:H	1:229:A:GLN:HG2	14	1.41
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	16	1.41
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	7	1.41
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG23	18	1.41
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	14	1.41
(2,1125)	1:226:A:LEU:HD21	1:229:A:GLN:HG2	7	1.41
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	3	1.41
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	12	1.41
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	6	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	13	1.41
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	15	1.41
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	5	1.41
(1,829)	2:5476:C:PRO:HD3	2:5475:C:LYS:HD2	9	1.41
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	13	1.41
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	19	1.41
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG13	10	1.41
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	11	1.41
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	13	1.41
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG13	16	1.41
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	17	1.41
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	20	1.41
(1,52)	1:210:A:LEU:HD11	1:207:B:VAL:HG22	2	1.41
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG21	15	1.41
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	6	1.4
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	14	1.4
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	17	1.4
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	14	1.4
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	16	1.4
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	14	1.4
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	1	1.4
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	15	1.4
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	9	1.4
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	7	1.4
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	4	1.4
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	7	1.4
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	19	1.4
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	15	1.4
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	18	1.4
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	18	1.4
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	18	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	1	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	2	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	3	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	6	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	7	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	8	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	9	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	10	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	11	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	12	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	16	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	17	1.4
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	19	1.4
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	2	1.4
(1,218)	1:242:A:ILE:HD13	1:245:A:ILE:HB	13	1.4
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	14	1.4
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	8	1.4
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	9	1.4
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	9	1.4
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD12	13	1.4
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	15	1.39
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	15	1.39
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	15	1.39
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	15	1.39
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	15	1.39
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	15	1.39
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	15	1.39
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	15	1.39
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	15	1.39
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	18	1.39
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	10	1.39
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	20	1.39
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	13	1.39
(2,1412)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	14	1.39
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	8	1.39
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	8	1.39
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	3	1.39
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	4	1.39
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	13	1.39
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	14	1.39
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	18	1.39
(1,849)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	20	1.39
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG23	18	1.39
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	1	1.39
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	5	1.39
(1,512)	1:207:A:VAL:HG21	1:208:A:GLU:HG2	15	1.39
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG22	14	1.39
(1,218)	1:242:A:ILE:HD13	1:245:A:ILE:HB	3	1.39
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	3	1.39
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	5	1.39
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG12	1	1.39
(1,129)	1:244:A:ASP:HA	1:243:A:VAL:HG11	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	4	1.38
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	4	1.38
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	4	1.38
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	4	1.38
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	4	1.38
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	4	1.38
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	4	1.38
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	4	1.38
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	4	1.38
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD23	16	1.38
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	2	1.38
(2,2403)	1:227:A:ILE:HD12	1:241:B:ARG:HG2	7	1.38
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	14	1.38
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	6	1.38
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	10	1.38
(2,1416)	1:202:A:VAL:H	1:201:A:LYS:HD2	3	1.38
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	15	1.38
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG23	11	1.38
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	2	1.38
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	3	1.38
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB3	9	1.38
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG13	9	1.38
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG12	13	1.38
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	14	1.38
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	9	1.38
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB2	7	1.38
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD13	7	1.38
(1,1062)	1:256:A:PRO:HB3	2:5478:C:LYS:HB3	11	1.38
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	20	1.38
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	17	1.38
(1,558)	1:193:A:ALA:HB3	1:192:B:GLU:HB2	3	1.38
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	3	1.38
(1,318)	1:239:A:LEU:HD12	1:234:A:GLU:HB2	7	1.38
(1,218)	1:242:A:ILE:HD12	1:245:A:ILE:HB	8	1.38
(1,218)	1:242:A:ILE:HD11	1:245:A:ILE:HB	16	1.38
(1,42)	1:239:A:LEU:HD22	1:242:B:ILE:HG22	5	1.38
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	5	1.37
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	5	1.37
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	5	1.37
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	5	1.37
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	5	1.37
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	5	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	5	1.37
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	5	1.37
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	5	1.37
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	11	1.37
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG11	19	1.37
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	8	1.37
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	8	1.37
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	17	1.37
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	17	1.37
(2,1412)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	17	1.37
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	15	1.37
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	5	1.37
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	2	1.37
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	5	1.37
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB2	17	1.37
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	10	1.37
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	10	1.37
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	19	1.37
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	5	1.37
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	7	1.37
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	3	1.37
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	19	1.37
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	15	1.37
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	20	1.37
(1,193)	1:210:A:LEU:HD23	1:208:B:GLU:H	8	1.37
(1,193)	1:210:A:LEU:HD23	1:208:B:GLU:H	20	1.37
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	4	1.36
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	5	1.36
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	2	1.36
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	11	1.36
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG21	1	1.36
(2,839)	1:254:A:VAL:HG22	1:256:A:PRO:HD2	2	1.36
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	14	1.36
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD21	3	1.36
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG11	12	1.36
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	4	1.36
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	5	1.36
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	5	1.36
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	5	1.36
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	17	1.36
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	14	1.36
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	15	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	7	1.36
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	16	1.36
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG3	10	1.36
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	7	1.36
(1,218)	1:242:A:ILE:HD13	1:245:A:ILE:HB	4	1.36
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG23	4	1.36
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	16	1.36
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	6	1.36
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	18	1.36
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	7	1.36
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD12	17	1.36
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	19	1.35
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	19	1.35
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	19	1.35
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	19	1.35
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	19	1.35
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	19	1.35
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	19	1.35
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	19	1.35
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	19	1.35
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	20	1.35
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	20	1.35
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	20	1.35
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	20	1.35
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	20	1.35
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	20	1.35
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	20	1.35
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	20	1.35
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	20	1.35
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	2	1.35
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	2	1.35
(2,1698)	1:218:A:PHE:H	1:221:A:LEU:HD12	3	1.35
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	11	1.35
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	3	1.35
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG12	7	1.35
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB3	5	1.35
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	1	1.35
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB2	3	1.35
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	7	1.35
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	7	1.35
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	3	1.35
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	3	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:246:A:LEU:HD12	1:243:A:VAL:HG22	13	1.35
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	9	1.35
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	11	1.35
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	20	1.35
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	1	1.35
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	17	1.35
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	1	1.34
(2,2403)	1:227:A:ILE:HD12	1:241:B:ARG:HG2	5	1.34
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	16	1.34
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG13	15	1.34
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	2	1.34
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	9	1.34
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	15	1.34
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	6	1.34
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	16	1.34
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	13	1.34
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	20	1.34
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD11	16	1.34
(2,840)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	9	1.34
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	6	1.34
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB2	17	1.34
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	17	1.34
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	5	1.34
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	14	1.34
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	10	1.34
(1,473)	1:243:A:VAL:HG21	1:242:A:ILE:HA	15	1.34
(1,471)	1:246:A:LEU:HD11	1:243:A:VAL:HG22	1	1.34
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	16	1.34
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	2	1.34
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	16	1.33
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	16	1.33
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	16	1.33
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD21	20	1.33
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	16	1.33
(2,2403)	1:227:A:ILE:HD12	1:241:B:ARG:HG2	1	1.33
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	20	1.33
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG13	13	1.33
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	9	1.33
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	3	1.33
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	9	1.33
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	4	1.33
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	19	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	12	1.33
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	15	1.33
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	16	1.33
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG22	20	1.33
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	4	1.33
(2,1135)	1:226:A:LEU:HD12	2:5475:C:LYS:HG2	17	1.33
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	10	1.33
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	1	1.33
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG11	4	1.33
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG12	20	1.33
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE2	19	1.33
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB1	14	1.33
(1,591)	1:196:A:LEU:HD22	1:194:B:ALA:H	4	1.33
(1,581)	1:239:A:LEU:HD22	1:237:B:PRO:HG2	6	1.33
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	11	1.33
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	1	1.33
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	16	1.33
(1,533)	1:200:A:VAL:HG13	1:198:A:GLN:HB2	10	1.33
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	5	1.33
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	6	1.33
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	12	1.33
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG21	15	1.33
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	4	1.33
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	12	1.33
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	15	1.33
(1,216)	1:242:A:ILE:HD11	1:232:A:GLU:HA	4	1.33
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD12	15	1.33
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	4	1.33
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	2	1.32
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	2	1.32
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	2	1.32
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	2	1.32
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	2	1.32
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	2	1.32
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	2	1.32
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	2	1.32
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	2	1.32
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD23	4	1.32
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB3	5	1.32
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG21	11	1.32
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	13	1.32
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	12	1.32
(2,1016)	1:241:A:ARG:HD3	1:238:A:VAL:HG11	14	1.32
(2,846)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	9	1.32
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	5	1.32
(2,671)	1:215:A:ASP:HA	1:214:A:ARG:HD3	18	1.32
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	8	1.32
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	10	1.32
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	11	1.32
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB1	2	1.32
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB1	8	1.32
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB3	16	1.32
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	15	1.32
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	9	1.32
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	9	1.32
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	14	1.32
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	14	1.32
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	14	1.32
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	5	1.32
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	7	1.32
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	17	1.32
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	6	1.32
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	17	1.32
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	8	1.32
(1,471)	1:246:A:LEU:HD13	1:243:A:VAL:HG21	8	1.32
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG21	19	1.32
(1,352)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	7	1.32
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	17	1.32
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	8	1.32
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	11	1.32
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	5	1.32
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	5	1.31
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	5	1.31
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	5	1.31
(2,2552)	1:239:A:LEU:HD23	1:242:B:ILE:HD13	16	1.31
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB1	16	1.31
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	4	1.31
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	15	1.31
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG13	5	1.31
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	19	1.31
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	19	1.31
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	17	1.31
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	14	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1416)	1:202:A:VAL:H	1:201:A:LYS:HD2	17	1.31
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	9	1.31
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	19	1.31
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG22	4	1.31
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	10	1.31
(2,741)	1:206:A:THR:HB	1:202:A:VAL:HG11	1	1.31
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB3	19	1.31
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB3	18	1.31
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG23	16	1.31
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	4	1.31
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	17	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	1	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	2	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	3	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	4	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	6	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	8	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	9	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	10	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	11	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	12	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	15	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	16	1.31
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	19	1.31
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	7	1.31
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	8	1.31
(1,581)	1:239:A:LEU:HD22	1:237:B:PRO:HG2	2	1.31
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	7	1.31
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG12	3	1.31
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	11	1.31
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	15	1.31
(1,516)	1:207:A:VAL:HG23	1:211:A:GLU:H	18	1.31
(1,473)	1:203:A:LEU:HD13	1:207:B:VAL:HA	16	1.31
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	20	1.31
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	16	1.31
(1,218)	1:242:A:ILE:HD13	1:245:A:ILE:HB	15	1.31
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	12	1.31
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	9	1.3
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	9	1.3
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	9	1.3
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	9	1.3
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	9	1.3
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	9	1.3
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	9	1.3
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	9	1.3
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	6	1.3
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG21	2	1.3
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	19	1.3
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	18	1.3
(2,2376)	1:210:A:LEU:HD12	1:214:B:ARG:HB3	3	1.3
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	10	1.3
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	4	1.3
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	14	1.3
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	7	1.3
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	10	1.3
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	7	1.3
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB1	10	1.3
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	7	1.3
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	18	1.3
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	16	1.3
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	10	1.3
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	10	1.3
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	2	1.3
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	2	1.3
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	13	1.3
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	14	1.3
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	18	1.3
(1,850)	2:5482:C:PRO:HD3	2:5482:C:PRO:HD2	20	1.3
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	20	1.3
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	6	1.3
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	16	1.3
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD21	3	1.29
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	7	1.29
(2,2553)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	12	1.29
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	5	1.29
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	4	1.29
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	3	1.29
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	13	1.29
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD11	11	1.29
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	10	1.29
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	10	1.29
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	19	1.29
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG11	5	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG11	7	1.29
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	19	1.29
(2,329)	1:196:A:LEU:HD21	1:194:A:ALA:HB1	10	1.29
(2,104)	1:254:A:VAL:HG11	1:249:A:THR:HG21	13	1.29
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	10	1.29
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	11	1.29
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	7	1.29
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	5	1.29
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG22	9	1.29
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG21	20	1.29
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	17	1.29
(1,318)	1:239:A:LEU:HD12	1:234:A:GLU:HB2	2	1.29
(1,234)	1:254:A:VAL:HG22	1:255:A:ILE:HG12	1	1.29
(1,218)	1:242:A:ILE:HD13	1:241:A:ARG:HG3	7	1.29
(1,218)	1:242:A:ILE:HD12	1:245:A:ILE:HB	12	1.29
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	9	1.29
(2,2541)	1:238:A:VAL:HG22	1:238:B:VAL:HG22	11	1.28
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	13	1.28
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	8	1.28
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	9	1.28
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	20	1.28
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	19	1.28
(2,1416)	1:202:A:VAL:H	1:201:A:LYS:HD2	14	1.28
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	2	1.28
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD23	14	1.28
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	4	1.28
(2,356)	1:201:A:LYS:HB2	1:201:A:LYS:HD2	14	1.28
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	4	1.28
(2,329)	1:196:A:LEU:HD23	1:194:A:ALA:HB1	6	1.28
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	2	1.28
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	12	1.28
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	12	1.28
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	19	1.28
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	19	1.28
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	18	1.28
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	4	1.28
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG12	19	1.28
(1,492)	1:202:A:VAL:HG23	1:201:A:LYS:HB3	10	1.28
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	11	1.28
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	13	1.28
(1,218)	1:242:A:ILE:HD12	1:245:A:ILE:HB	5	1.28
(1,218)	1:242:A:ILE:HD12	1:245:A:ILE:HB	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG22	13	1.28
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	16	1.27
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	16	1.27
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	16	1.27
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	16	1.27
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	16	1.27
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	16	1.27
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	16	1.27
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	16	1.27
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	16	1.27
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD22	13	1.27
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD13	20	1.27
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	15	1.27
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	18	1.27
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	12	1.27
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	6	1.27
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD13	3	1.27
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	4	1.27
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	2	1.27
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG11	11	1.27
(2,356)	1:201:A:LYS:HB2	1:201:A:LYS:HD2	3	1.27
(2,356)	1:201:A:LYS:HB2	1:201:A:LYS:HD2	17	1.27
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG11	11	1.27
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	19	1.27
(1,831)	2:5476:C:PRO:HD3	2:5475:C:LYS:HG2	5	1.27
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	10	1.27
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	1	1.27
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	15	1.27
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	5	1.27
(1,371)	1:226:A:LEU:HD23	1:222:A:ARG:HD3	6	1.27
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	10	1.27
(1,218)	1:242:A:ILE:HD12	1:241:A:ARG:HG3	19	1.27
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	3	1.27
(1,199)	1:208:A:GLU:HA	1:207:A:VAL:HG21	19	1.27
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	11	1.27
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	14	1.27
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD22	14	1.26
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG23	3	1.26
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	15	1.26
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	12	1.26
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	19	1.26
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	5	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	17	1.26
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	15	1.26
(2,1698)	1:218:A:PHE:H	1:221:A:LEU:HD13	8	1.26
(2,1630)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	8	1.26
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	6	1.26
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	8	1.26
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG21	11	1.26
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG22	15	1.26
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	3	1.26
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD13	13	1.26
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	8	1.26
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	20	1.26
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG23	17	1.26
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	3	1.26
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	6	1.26
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	14	1.26
(2,329)	1:196:A:LEU:HD22	1:194:A:ALA:HB1	1	1.26
(2,225)	1:226:A:LEU:HD12	1:222:A:ARG:HD3	4	1.26
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	1	1.26
(1,702)	1:236:A:ASP:H	1:238:A:VAL:HB	7	1.26
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	11	1.26
(1,702)	1:236:A:ASP:H	1:238:A:VAL:HB	13	1.26
(1,581)	1:239:A:LEU:HD23	1:237:B:PRO:HG2	12	1.26
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	9	1.26
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	10	1.26
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG12	2	1.26
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	20	1.26
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	9	1.26
(1,234)	1:254:A:VAL:HG21	1:255:A:ILE:HG12	2	1.26
(1,218)	1:242:A:ILE:HD12	1:241:A:ARG:HG3	17	1.26
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	12	1.26
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	17	1.25
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	17	1.25
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	17	1.25
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD21	7	1.25
(2,2571)	1:242:A:ILE:HD13	1:239:B:LEU:HD21	9	1.25
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB2	4	1.25
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	20	1.25
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	12	1.25
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	14	1.25
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	20	1.25
(2,1450)	1:197:A:MET:H	1:199:A:GLN:HG2	9	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	10	1.25
(2,1125)	1:226:A:LEU:HD21	1:229:A:GLN:HG2	14	1.25
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG21	8	1.25
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	9	1.25
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	9	1.25
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD23	2	1.25
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	6	1.25
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	17	1.25
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	18	1.25
(2,354)	1:198:A:GLN:HA	1:201:A:LYS:HD2	3	1.25
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	11	1.25
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	15	1.25
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	17	1.25
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	10	1.25
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	17	1.25
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	17	1.25
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	15	1.25
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	18	1.25
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	1	1.25
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	6	1.25
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	2	1.25
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG3	9	1.25
(1,218)	1:242:A:ILE:HD11	1:241:A:ARG:HG3	2	1.25
(1,218)	1:242:A:ILE:HD13	1:241:A:ARG:HG3	9	1.25
(1,218)	1:242:A:ILE:HD11	1:241:A:ARG:HG3	11	1.25
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	14	1.25
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	18	1.25
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	1	1.24
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	1	1.24
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	1	1.24
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	1	1.24
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	1	1.24
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	1	1.24
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	1	1.24
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	1	1.24
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	1	1.24
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD23	10	1.24
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	8	1.24
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	20	1.24
(2,2376)	1:210:A:LEU:HD12	1:214:B:ARG:HB3	5	1.24
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	18	1.24
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG21	12	1.24
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	1	1.24
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	20	1.24
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	13	1.24
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	14	1.24
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG12	16	1.24
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE1	2	1.24
(2,91)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	5	1.24
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	12	1.24
(1,581)	1:239:A:LEU:HD21	1:237:B:PRO:HG2	18	1.24
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	8	1.24
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	15	1.24
(1,494)	1:202:A:VAL:HG22	1:204:B:LYS:HD3	14	1.24
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	8	1.24
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG22	13	1.24
(1,413)	1:210:A:LEU:HD11	1:208:A:GLU:H	13	1.24
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	3	1.24
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	17	1.24
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	17	1.24
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	14	1.23
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	14	1.23
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	14	1.23
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	18	1.23
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	18	1.23
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	18	1.23
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	18	1.23
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	18	1.23
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	18	1.23
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	18	1.23
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	18	1.23
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	18	1.23
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	15	1.23
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	15	1.23
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	15	1.23
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	11	1.23
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	1	1.23
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	1	1.23
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	7	1.23
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	10	1.23
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG23	9	1.23
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG21	16	1.23
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD23	4	1.23
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	10	1.23
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	10	1.23
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	11	1.23
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	11	1.23
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	11	1.23
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	6	1.23
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG23	4	1.23
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	8	1.23
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	17	1.23
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	18	1.23
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	11	1.23
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	2	1.23
(1,500)	1:206:A:THR:HG21	1:202:A:VAL:HB	7	1.23
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	1	1.23
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	2	1.23
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	6	1.23
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	10	1.23
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	18	1.23
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD11	10	1.23
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	16	1.22
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	16	1.22
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	16	1.22
(2,2552)	1:239:A:LEU:HD23	1:242:B:ILE:HD12	4	1.22
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD12	13	1.22
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	2	1.22
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	10	1.22
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	9	1.22
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	10	1.22
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	9	1.22
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	12	1.22
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	1	1.22
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	1	1.22
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	10	1.22
(2,839)	1:254:A:VAL:HG22	1:256:A:PRO:HD2	13	1.22
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	7	1.22
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	5	1.22
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	15	1.22
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	15	1.22
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	10	1.22
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	10	1.22
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	11	1.22
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	11	1.22
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	11	1.22
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	11	1.22
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	11	1.22
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	11	1.22
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	11	1.22
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	11	1.22
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	11	1.22
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	17	1.22
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB3	4	1.22
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	1	1.22
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	10	1.22
(1,494)	1:202:A:VAL:HG23	1:204:B:LYS:HD3	17	1.22
(1,234)	1:254:A:VAL:HG21	1:255:A:ILE:HG12	3	1.22
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	1	1.22
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	5	1.22
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	7	1.22
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	10	1.22
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	15	1.21
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	15	1.21
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	15	1.21
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD22	2	1.21
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD22	6	1.21
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG21	4	1.21
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG21	19	1.21
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	17	1.21
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG11	18	1.21
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	6	1.21
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	11	1.21
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	15	1.21
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	4	1.21
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	14	1.21
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	18	1.21
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG23	16	1.21
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG12	18	1.21
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	9	1.21
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	9	1.21
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	18	1.21
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	18	1.21
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	9	1.21
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	16	1.21
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	17	1.21
(1,518)	1:197:A:MET:H	1:200:A:VAL:HG22	2	1.21
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	20	1.21
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	3	1.21
(1,500)	1:206:A:THR:HG23	1:202:A:VAL:HB	17	1.21
(1,492)	1:202:A:VAL:HG22	1:201:A:LYS:HB3	1	1.21
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	18	1.21
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG21	1	1.21
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	3	1.21
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG3	17	1.21
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	15	1.21
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	11	1.21
(1,76)	1:246:A:LEU:HD12	1:243:A:VAL:HG23	20	1.21
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	13	1.2
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	13	1.2
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	13	1.2
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	13	1.2
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	13	1.2
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	13	1.2
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	10	1.2
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	10	1.2
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	10	1.2
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	10	1.2
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	10	1.2
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	10	1.2
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	10	1.2
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	10	1.2
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	10	1.2
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD21	8	1.2
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD21	19	1.2
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD12	3	1.2
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG22	1	1.2
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG22	6	1.2
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG12	2	1.2
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	12	1.2
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	1	1.2
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	4	1.2
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	2	1.2
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	2	1.2
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	7	1.2
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD12	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG22	19	1.2
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	1	1.2
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	20	1.2
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG23	7	1.2
(2,98)	1:255:A:ILE:HG22	2:5478:C:LYS:HD3	9	1.2
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	17	1.2
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	13	1.2
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	13	1.2
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	3	1.2
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	8	1.2
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	13	1.2
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	19	1.2
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	20	1.2
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	6	1.2
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	18	1.2
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	6	1.2
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	3	1.2
(1,413)	1:210:A:LEU:HD11	1:208:A:GLU:H	11	1.2
(1,371)	1:226:A:LEU:HD21	1:222:A:ARG:HD3	16	1.2
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	19	1.2
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	10	1.2
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	20	1.2
(1,235)	1:254:A:VAL:HG23	1:249:A:THR:HG22	11	1.2
(1,218)	1:242:A:ILE:HD11	1:241:A:ARG:HG3	1	1.2
(1,218)	1:242:A:ILE:HD13	1:241:A:ARG:HG3	20	1.2
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	17	1.2
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	20	1.2
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB2	18	1.2
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	5	1.2
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	12	1.19
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	12	1.19
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	12	1.19
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD23	12	1.19
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD11	19	1.19
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	11	1.19
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	12	1.19
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	4	1.19
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	14	1.19
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	17	1.19
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	3	1.19
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	17	1.19
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1386)	1:202:A:VAL:HG13	1:201:A:LYS:HG2	2	1.19
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	8	1.19
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	17	1.19
(2,1212)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	7	1.19
(2,846)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	10	1.19
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	18	1.19
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	15	1.19
(2,482)	1:192:A:GLU:HB2	1:194:A:ALA:HB3	18	1.19
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD21	12	1.19
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	9	1.19
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	20	1.19
(2,354)	1:198:A:GLN:HA	1:201:A:LYS:HD2	17	1.19
(2,104)	1:254:A:VAL:HG11	1:249:A:THR:HG21	3	1.19
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	17	1.19
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	20	1.19
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	20	1.19
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	7	1.19
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	7	1.19
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	17	1.19
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	18	1.19
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	11	1.19
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	3	1.19
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG11	9	1.19
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	12	1.19
(1,518)	1:197:A:MET:H	1:200:A:VAL:HG22	19	1.19
(1,500)	1:206:A:THR:HG23	1:202:A:VAL:HB	1	1.19
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	8	1.19
(1,500)	1:206:A:THR:HG22	1:202:A:VAL:HB	10	1.19
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	18	1.19
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	5	1.19
(1,492)	1:202:A:VAL:HG22	1:201:A:LYS:HB3	8	1.19
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	18	1.19
(1,413)	1:210:A:LEU:HD11	1:208:A:GLU:H	2	1.19
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	5	1.19
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	8	1.19
(1,218)	1:242:A:ILE:HD11	1:241:A:ARG:HG3	10	1.19
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	6	1.19
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	8	1.19
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	18	1.19
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	9	1.19
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	14	1.19
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	18	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	18	1.18
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	18	1.18
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD22	17	1.18
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD21	18	1.18
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD11	9	1.18
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD13	15	1.18
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD13	7	1.18
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD13	14	1.18
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	8	1.18
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD23	15	1.18
(2,2458)	1:221:A:LEU:HD12	1:217:B:TYR:HB2	3	1.18
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG21	9	1.18
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG11	14	1.18
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	7	1.18
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	17	1.18
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	3	1.18
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	5	1.18
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	8	1.18
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	19	1.18
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	18	1.18
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	16	1.18
(2,633)	1:226:A:LEU:HA	2:5475:C:LYS:HG2	1	1.18
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG23	10	1.18
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG23	19	1.18
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD23	17	1.18
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	20	1.18
(2,354)	1:198:A:GLN:HA	1:201:A:LYS:HD2	14	1.18
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	5	1.18
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	1	1.18
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	2	1.18
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	5	1.18
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	8	1.18
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	8	1.18
(1,829)	2:5476:C:PRO:HD3	2:5475:C:LYS:HD2	20	1.18
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	3	1.18
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	2	1.18
(1,591)	1:196:A:LEU:HD23	1:194:B:ALA:H	11	1.18
(1,581)	1:239:A:LEU:HD22	1:232:A:GLU:HB2	16	1.18
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	7	1.18
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB2	1	1.18
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	14	1.18
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	18	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	8	1.18
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	2	1.17
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	2	1.17
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	2	1.17
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	19	1.17
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	19	1.17
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	19	1.17
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD21	1	1.17
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD13	9	1.17
(2,2546)	1:239:A:LEU:HD12	1:242:B:ILE:HD13	9	1.17
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD21	4	1.17
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD23	5	1.17
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD22	12	1.17
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	8	1.17
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	9	1.17
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	16	1.17
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	2	1.17
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	1	1.17
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	12	1.17
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	2	1.17
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	5	1.17
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG23	13	1.17
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	13	1.17
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	16	1.17
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG21	18	1.17
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	9	1.17
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD23	5	1.17
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG13	10	1.17
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG13	19	1.17
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	3	1.17
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	18	1.17
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	8	1.17
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	17	1.17
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	5	1.17
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	1	1.17
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	19	1.17
(1,579)	1:238:A:VAL:HG21	1:231:B:ASN:HA	20	1.17
(1,566)	1:206:A:THR:H	1:207:A:VAL:HG13	13	1.17
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB2	2	1.17
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB2	6	1.17
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB2	14	1.17
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	13	1.17
(1,518)	1:197:A:MET:H	1:200:A:VAL:HG21	3	1.17
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	7	1.17
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	8	1.17
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	17	1.17
(1,500)	1:206:A:THR:HG22	1:202:A:VAL:HB	14	1.17
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	7	1.17
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	10	1.17
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	2	1.17
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG22	4	1.17
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG21	8	1.17
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	11	1.17
(1,234)	1:254:A:VAL:HG21	1:255:A:ILE:HG12	18	1.17
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB2	5	1.17
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	17	1.17
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	7	1.16
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	7	1.16
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	7	1.16
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	7	1.16
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	7	1.16
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	7	1.16
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	7	1.16
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	7	1.16
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	7	1.16
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	13	1.16
(2,2411)	1:239:A:LEU:HD23	1:238:B:VAL:HB	16	1.16
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	19	1.16
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	6	1.16
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	7	1.16
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	9	1.16
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	18	1.16
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	7	1.16
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	14	1.16
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB3	20	1.16
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	3	1.16
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG22	9	1.16
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	14	1.16
(2,401)	1:196:A:LEU:HD11	1:200:B:VAL:HG13	2	1.16
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG12	8	1.16
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD12	6	1.16
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	6	1.16
(2,98)	1:255:A:ILE:HG22	2:5478:C:LYS:HD3	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	15	1.16
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	15	1.16
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	8	1.16
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	2	1.16
(1,702)	1:236:A:ASP:H	1:238:A:VAL:HB	1	1.16
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	16	1.16
(1,518)	1:197:A:MET:H	1:200:A:VAL:HG22	4	1.16
(1,318)	1:239:A:LEU:HD13	1:234:A:GLU:HB2	12	1.16
(1,318)	1:239:A:LEU:HD12	1:234:A:GLU:HB2	13	1.16
(1,216)	1:242:A:ILE:HD12	1:232:A:GLU:HA	16	1.16
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	9	1.16
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	13	1.16
(1,120)	1:192:A:GLU:HA	1:193:B:ALA:HB3	3	1.16
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	19	1.16
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG21	19	1.16
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD21	14	1.15
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	6	1.15
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG12	20	1.15
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	2	1.15
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	1	1.15
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	2	1.15
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	8	1.15
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	10	1.15
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	19	1.15
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	1	1.15
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	17	1.15
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	19	1.15
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD13	15	1.15
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	13	1.15
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	16	1.15
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	18	1.15
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	1	1.15
(2,1016)	1:241:A:ARG:HD3	1:238:A:VAL:HG12	4	1.15
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG21	17	1.15
(2,839)	1:254:A:VAL:HG23	1:256:A:PRO:HD2	19	1.15
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	5	1.15
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG12	1	1.15
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG12	6	1.15
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG21	13	1.15
(2,104)	1:254:A:VAL:HG11	1:249:A:THR:HG22	6	1.15
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG23	8	1.15
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	12	1.15
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	18	1.15
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	8	1.15
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	16	1.15
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB2	8	1.15
(1,218)	1:242:A:ILE:HD13	1:241:A:ARG:HG3	14	1.15
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	11	1.15
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	12	1.15
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	13	1.15
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	2	1.15
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG21	7	1.15
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	7	1.15
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	10	1.15
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD11	12	1.15
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD12	19	1.15
(1,44)	1:238:A:VAL:HG13	1:242:A:ILE:HD13	20	1.15
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	1	1.14
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	1	1.14
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	1	1.14
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	17	1.14
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	17	1.14
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	17	1.14
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	17	1.14
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	17	1.14
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	17	1.14
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	17	1.14
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	17	1.14
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	17	1.14
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD12	10	1.14
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD11	16	1.14
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD11	6	1.14
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD12	19	1.14
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD22	6	1.14
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD23	9	1.14
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	9	1.14
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	14	1.14
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	4	1.14
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	5	1.14
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	15	1.14
(2,1655)	1:195:A:GLU:HG2	1:199:A:GLN:HE22	12	1.14
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	18	1.14
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	5	1.14
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	14	1.14
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	17	1.14
(2,1025)	1:237:A:PRO:HG2	1:241:A:ARG:HD3	4	1.14
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG22	10	1.14
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG22	20	1.14
(2,840)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	4	1.14
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	15	1.14
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD21	16	1.14
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG12	14	1.14
(2,401)	1:196:A:LEU:HD13	1:200:B:VAL:HG11	17	1.14
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	6	1.14
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD12	5	1.14
(2,98)	1:255:A:ILE:HG22	2:5478:C:LYS:HD3	3	1.14
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	12	1.14
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	5	1.14
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	9	1.14
(1,598)	1:207:A:VAL:HG23	1:211:A:GLU:HB3	18	1.14
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	16	1.14
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	5	1.14
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	14	1.14
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	20	1.14
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB1	16	1.14
(1,500)	1:206:A:THR:HG23	1:202:A:VAL:HB	5	1.14
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	5	1.14
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	5	1.14
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	18	1.14
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD12	16	1.14
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	6	1.14
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	9	1.14
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	16	1.14
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG23	4	1.14
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD11	10	1.14
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	2	1.13
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	2	1.13
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	2	1.13
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	2	1.13
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	2	1.13
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	2	1.13
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	2	1.13
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	2	1.13
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	7	1.13
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	7	1.13
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	7	1.13
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	7	1.13
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	7	1.13
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	7	1.13
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	7	1.13
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	7	1.13
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	7	1.13
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD21	11	1.13
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD12	6	1.13
(2,2557)	1:242:A:ILE:HG22	1:224:B:ILE:HD11	17	1.13
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD11	2	1.13
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD11	8	1.13
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG22	20	1.13
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	2	1.13
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	6	1.13
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	16	1.13
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	9	1.13
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG13	4	1.13
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	3	1.13
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	4	1.13
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	5	1.13
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	16	1.13
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	18	1.13
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	8	1.13
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD22	8	1.13
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG13	9	1.13
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD13	17	1.13
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	5	1.13
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	5	1.13
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	5	1.13
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	12	1.13
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	3	1.13
(1,413)	1:210:A:LEU:HD13	1:208:A:GLU:H	5	1.13
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	14	1.13
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	17	1.13
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	20	1.13
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	4	1.13
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	13	1.13
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB2	8	1.13
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	16	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	16	1.12
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	16	1.12
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	16	1.12
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	16	1.12
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	16	1.12
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	16	1.12
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	16	1.12
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	16	1.12
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	17	1.12
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	17	1.12
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	17	1.12
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	17	1.12
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	17	1.12
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	17	1.12
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	17	1.12
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	17	1.12
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	17	1.12
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD21	19	1.12
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	9	1.12
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	11	1.12
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	1	1.12
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	5	1.12
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD13	15	1.12
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	4	1.12
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	1	1.12
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	5	1.12
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	6	1.12
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	11	1.12
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	4	1.12
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG11	3	1.12
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE1	9	1.12
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE2	10	1.12
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG12	13	1.12
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	17	1.12
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	5	1.12
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD12	12	1.12
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	6	1.12
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	6	1.12
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	10	1.12
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	16	1.12
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	17	1.12
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	6	1.12
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	20	1.12
(1,580)	1:239:A:LEU:HD13	1:237:A:PRO:HG2	2	1.12
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB3	17	1.12
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB1	18	1.12
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	3	1.12
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	11	1.12
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	12	1.12
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	13	1.12
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	20	1.12
(1,494)	1:202:A:VAL:HG23	1:201:A:LYS:HG2	13	1.12
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	4	1.12
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG22	10	1.12
(1,400)	1:212:A:LYS:HE2	1:209:A:ASP:H	2	1.12
(1,400)	1:212:A:LYS:HE2	1:209:A:ASP:H	4	1.12
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	9	1.12
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	7	1.12
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	16	1.12
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	1	1.12
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	6	1.12
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	1	1.12
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB2	2	1.12
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	15	1.12
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB2	20	1.12
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD13	7	1.12
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD13	9	1.12
(1,43)	1:242:A:ILE:HG23	1:239:A:LEU:HD13	13	1.12
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	3	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	3	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	3	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	3	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	3	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	3	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	3	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	3	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	3	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	13	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	13	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	13	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	13	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	13	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	13	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	13	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	13	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	14	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	14	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	14	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	14	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	14	1.11
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	14	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	14	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	14	1.11
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	14	1.11
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD22	10	1.11
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD13	13	1.11
(2,2552)	1:239:A:LEU:HD23	1:242:B:ILE:HD11	12	1.11
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD12	17	1.11
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD23	18	1.11
(2,2511)	1:210:A:LEU:HD23	1:210:B:LEU:HB3	10	1.11
(2,2460)	1:248:A:ALA:HB2	1:220:B:LYS:HE3	12	1.11
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG11	9	1.11
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	11	1.11
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	13	1.11
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	13	1.11
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	10	1.11
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	19	1.11
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	4	1.11
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	13	1.11
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	10	1.11
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	17	1.11
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	20	1.11
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	8	1.11
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	18	1.11
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG13	12	1.11
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG12	18	1.11
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	14	1.11
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	17	1.11
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG23	9	1.11
(2,104)	1:254:A:VAL:HG11	1:249:A:THR:HG22	14	1.11
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	16	1.11
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	4	1.11
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	4	1.11
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	10	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	10	1.11
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	1	1.11
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	1	1.11
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	16	1.11
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	9	1.11
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	20	1.11
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	1	1.11
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	13	1.11
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	14	1.11
(1,598)	1:207:A:VAL:HG23	1:211:A:GLU:HB3	4	1.11
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	17	1.11
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB1	5	1.11
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB2	11	1.11
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB2	15	1.11
(1,532)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	9	1.11
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	11	1.11
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	12	1.11
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	19	1.11
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	18	1.11
(1,428)	1:200:A:VAL:HG12	1:201:A:LYS:HG2	16	1.11
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	3	1.11
(1,218)	1:242:A:ILE:HD12	1:241:A:ARG:HG3	18	1.11
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	20	1.11
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	19	1.11
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	12	1.11
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	13	1.11
(1,76)	1:246:A:LEU:HD12	1:243:A:VAL:HG21	15	1.11
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG21	17	1.11
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	4	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	4	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	4	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	4	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	4	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	4	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	4	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	4	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	4	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	8	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	8	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	8	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	8	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	8	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	8	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	8	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	8	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	10	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	10	1.1
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	10	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	10	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	10	1.1
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	10	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	10	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	10	1.1
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	10	1.1
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD11	1	1.1
(2,2557)	1:242:A:ILE:HG22	1:224:B:ILE:HD13	2	1.1
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD11	1	1.1
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD12	18	1.1
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	18	1.1
(2,2403)	1:227:A:ILE:HD13	1:241:B:ARG:HG2	11	1.1
(2,2376)	1:210:A:LEU:HD12	1:214:B:ARG:HB3	12	1.1
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	10	1.1
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	9	1.1
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	8	1.1
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	12	1.1
(2,1531)	1:195:A:GLU:HB3	1:193:A:ALA:HA	11	1.1
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD13	9	1.1
(2,1479)	1:197:A:MET:H	1:198:A:GLN:HB2	18	1.1
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD22	20	1.1
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	16	1.1
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	6	1.1
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD13	15	1.1
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	5	1.1
(2,713)	1:209:A:ASP:HA	1:212:A:LYS:HB2	14	1.1
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG11	11	1.1
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG23	12	1.1
(2,348)	1:202:A:VAL:HG13	1:203:A:LEU:HB3	2	1.1
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG12	4	1.1
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	14	1.1
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD12	2	1.1
(2,122)	1:246:A:LEU:HD13	1:242:A:ILE:HD13	15	1.1
(2,95)	1:255:A:ILE:HD13	1:250:A:ASP:HA	19	1.1
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	14	1.1
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	11	1.1
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	11	1.1
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	11	1.1
(1,581)	1:239:A:LEU:HD21	1:232:A:GLU:HB2	14	1.1
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	4	1.1
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	4	1.1
(1,494)	1:202:A:VAL:HG23	1:201:A:LYS:HG2	9	1.1
(1,494)	1:202:A:VAL:HG21	1:201:A:LYS:HG2	12	1.1
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	3	1.1
(1,449)	1:205:A:LEU:HB2	1:202:A:VAL:HG23	7	1.1
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	4	1.1
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	3	1.1
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	14	1.1
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	11	1.1
(1,234)	1:254:A:VAL:HG21	1:255:A:ILE:HG12	9	1.1
(1,223)	1:256:A:PRO:HG2	2:5478:C:LYS:HD3	4	1.1
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG21	12	1.1
(1,121)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	3	1.1
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB1	4	1.1
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	9	1.1
(1,44)	1:238:A:VAL:HG13	1:242:A:ILE:HD11	2	1.1
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD11	20	1.1
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	20	1.1
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	12	1.09
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	12	1.09
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	12	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	1	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	1	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	1	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	1	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	1	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	1	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	1	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	1	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	1	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	6	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	6	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	6	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	6	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	6	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	6	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	6	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	6	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	9	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	9	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	9	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	9	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	9	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	9	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	9	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	9	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	9	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	12	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	12	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	12	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	12	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	12	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	12	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	12	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	12	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	12	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	18	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	18	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	18	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	18	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	18	1.09
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	18	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	18	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	18	1.09
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	18	1.09
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	14	1.09
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	14	1.09
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	14	1.09
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD12	5	1.09
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD22	20	1.09
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	6	1.09
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG13	7	1.09
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	16	1.09
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	18	1.09
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	9	1.09
(2,1430)	1:200:A:VAL:HG23	1:204:A:LYS:HG3	3	1.09
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD13	8	1.09
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	20	1.09
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	13	1.09
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	7	1.09
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD22	7	1.09
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG22	2	1.09
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	9	1.09
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	9	1.09
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	9	1.09
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	2	1.09
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB3	3	1.09
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB1	19	1.09
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	16	1.09
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	14	1.09
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	1	1.09
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	16	1.09
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD13	9	1.09
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	10	1.09
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	7	1.09
(1,202)	1:202:A:VAL:HA	1:201:A:LYS:HG3	15	1.09
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	18	1.09
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	11	1.09
(1,120)	1:192:A:GLU:HA	1:193:A:ALA:HB3	14	1.09
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG22	2	1.09
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD13	1	1.09
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD12	4	1.09
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD12	14	1.09
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	5	1.08
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	5	1.08
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	5	1.08
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	5	1.08
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	5	1.08
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	5	1.08
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	5	1.08
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	5	1.08
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	5	1.08
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	20	1.08
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	20	1.08
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	20	1.08
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	20	1.08
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	20	1.08
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	20	1.08
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	20	1.08
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	20	1.08
(2,2557)	1:242:A:ILE:HG22	1:224:B:ILE:HD11	12	1.08
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG13	12	1.08
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD12	9	1.08
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	19	1.08
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	1	1.08
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	6	1.08
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	7	1.08
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	17	1.08
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	12	1.08
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	16	1.08
(2,839)	1:254:A:VAL:HG21	1:256:A:PRO:HD2	3	1.08
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	18	1.08
(2,401)	1:196:A:LEU:HD12	1:200:B:VAL:HG11	8	1.08
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG11	5	1.08
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG11	6	1.08
(2,98)	1:255:A:ILE:HG23	2:5478:C:LYS:HD3	11	1.08
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	13	1.08
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	3	1.08
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	3	1.08
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	4	1.08
(1,581)	1:239:A:LEU:HD23	1:237:B:PRO:HG2	3	1.08
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB3	7	1.08
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB3	20	1.08
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	8	1.08
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	3	1.08
(1,500)	1:206:A:THR:HG21	1:202:A:VAL:HB	9	1.08
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	6	1.08
(1,413)	1:210:A:LEU:HD13	1:208:A:GLU:H	3	1.08
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HG3	7	1.08
(1,318)	1:239:A:LEU:HD12	1:234:A:GLU:HB2	1	1.08
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	9	1.08
(1,250)	1:206:A:THR:HG22	1:208:A:GLU:H	1	1.08
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	18	1.08
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	6	1.08
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	3	1.08
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD12	3	1.08
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD11	16	1.08
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	5	1.07
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	5	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	5	1.07
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	17	1.07
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	17	1.07
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	17	1.07
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	11	1.07
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	11	1.07
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	11	1.07
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	11	1.07
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	11	1.07
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	11	1.07
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	11	1.07
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	11	1.07
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	11	1.07
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	15	1.07
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	15	1.07
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	15	1.07
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	15	1.07
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	15	1.07
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	15	1.07
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	15	1.07
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	15	1.07
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	15	1.07
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG22	5	1.07
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG21	10	1.07
(2,2403)	1:227:A:ILE:HD11	1:241:B:ARG:HG2	10	1.07
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	4	1.07
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	8	1.07
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	14	1.07
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	15	1.07
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	15	1.07
(2,1862)	1:202:A:VAL:H	1:201:A:LYS:HB2	19	1.07
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	13	1.07
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	12	1.07
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	2	1.07
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	5	1.07
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	13	1.07
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	3	1.07
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	15	1.07
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	6	1.07
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD12	18	1.07
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	1	1.07
(2,1025)	1:237:A:PRO:HG2	1:241:A:ARG:HD3	14	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,839)	1:254:A:VAL:HG22	1:256:A:PRO:HD2	1	1.07
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	6	1.07
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	15	1.07
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG12	1	1.07
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	16	1.07
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	18	1.07
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	5	1.07
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD12	10	1.07
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	11	1.07
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	11	1.07
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	14	1.07
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	14	1.07
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	5	1.07
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	6	1.07
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB2	10	1.07
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	10	1.07
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	14	1.07
(1,494)	1:202:A:VAL:HG22	1:201:A:LYS:HG2	15	1.07
(1,494)	1:202:A:VAL:HG21	1:201:A:LYS:HG2	16	1.07
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	19	1.07
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	19	1.07
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	7	1.07
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	13	1.07
(1,250)	1:206:A:THR:HG22	1:208:A:GLU:H	5	1.07
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	3	1.07
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	17	1.07
(2,2571)	1:242:A:ILE:HD11	1:239:B:LEU:HD22	5	1.06
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD13	18	1.06
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD12	20	1.06
(2,2524)	1:224:A:ILE:HG23	1:246:B:LEU:HD23	1	1.06
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD21	2	1.06
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	5	1.06
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	3	1.06
(2,2428)	1:245:A:ILE:HD12	1:223:B:ASN:HB2	8	1.06
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	9	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	1	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	2	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	3	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	4	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	5	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	7	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	12	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	13	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	16	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	19	1.06
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	20	1.06
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	15	1.06
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	16	1.06
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	20	1.06
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	5	1.06
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	10	1.06
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	1	1.06
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	2	1.06
(2,1335)	1:202:A:VAL:HA	1:201:A:LYS:HB2	4	1.06
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD12	14	1.06
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	3	1.06
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	9	1.06
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	15	1.06
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG11	8	1.06
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG13	10	1.06
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG11	6	1.06
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG13	9	1.06
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG11	16	1.06
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG12	17	1.06
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	3	1.06
(2,98)	1:255:A:ILE:HG22	2:5478:C:LYS:HD3	7	1.06
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	4	1.06
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	17	1.06
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	20	1.06
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	2	1.06
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	9	1.06
(1,579)	1:238:A:VAL:HG21	1:231:B:ASN:HA	8	1.06
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	19	1.06
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	6	1.06
(1,473)	1:203:A:LEU:HD12	1:200:A:VAL:HA	11	1.06
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	2	1.06
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	11	1.06
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	14	1.06
(1,232)	1:254:A:VAL:HG23	1:256:A:PRO:HD3	17	1.06
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD13	7	1.06
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	12	1.06
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG23	3	1.06
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD11	8	1.06
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD13	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	15	1.05
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	15	1.05
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	15	1.05
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	16	1.05
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	16	1.05
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	16	1.05
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD13	3	1.05
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD13	11	1.05
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD11	11	1.05
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD21	13	1.05
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG21	10	1.05
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG22	8	1.05
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG21	16	1.05
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG21	17	1.05
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	8	1.05
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	6	1.05
(2,2019)	1:240:A:GLN:HE21	1:240:A:GLN:HG3	6	1.05
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	10	1.05
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	2	1.05
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	10	1.05
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	17	1.05
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	3	1.05
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	4	1.05
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	11	1.05
(2,1631)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	5	1.05
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	12	1.05
(2,1630)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	13	1.05
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	11	1.05
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB3	8	1.05
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	10	1.05
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	1	1.05
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	17	1.05
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	2	1.05
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	10	1.05
(2,1212)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	8	1.05
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	14	1.05
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG22	2	1.05
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	6	1.05
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	11	1.05
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	2	1.05
(2,368)	1:200:A:VAL:HG21	1:202:A:VAL:HG12	13	1.05
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG11	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	9	1.05
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	15	1.05
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	16	1.05
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG13	19	1.05
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD13	19	1.05
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	1	1.05
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	1	1.05
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	16	1.05
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	16	1.05
(1,1015)	1:249:A:THR:HG21	2:5480:C:PRO:HA	18	1.05
(1,1015)	1:249:A:THR:HG22	2:5480:C:PRO:HA	18	1.05
(1,1015)	1:249:A:THR:HG23	2:5480:C:PRO:HA	18	1.05
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	9	1.05
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	10	1.05
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	16	1.05
(1,580)	1:239:A:LEU:HD12	1:237:A:PRO:HG2	4	1.05
(1,545)	1:196:A:LEU:HD12	1:194:B:ALA:HB3	13	1.05
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	7	1.05
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	17	1.05
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	6	1.05
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	12	1.05
(1,413)	1:210:A:LEU:HD13	1:208:A:GLU:H	4	1.05
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	16	1.05
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	14	1.05
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	4	1.05
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	13	1.05
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	7	1.05
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	15	1.05
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD11	6	1.05
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD13	18	1.05
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG21	19	1.04
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG22	19	1.04
(2,2652)	1:224:B:ILE:HG21	1:242:A:ILE:HG23	19	1.04
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG21	19	1.04
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG22	19	1.04
(2,2652)	1:224:B:ILE:HG22	1:242:A:ILE:HG23	19	1.04
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG21	19	1.04
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG22	19	1.04
(2,2652)	1:224:B:ILE:HG23	1:242:A:ILE:HG23	19	1.04
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD11	10	1.04
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG22	7	1.04
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	4	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2411)	1:239:A:LEU:HD23	1:238:B:VAL:HB	3	1.04
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	20	1.04
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	17	1.04
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	16	1.04
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	6	1.04
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	20	1.04
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	9	1.04
(2,1209)	1:212:A:LYS:HE2	1:209:A:ASP:HA	8	1.04
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD11	6	1.04
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	3	1.04
(2,556)	1:241:A:ARG:HD2	1:241:A:ARG:HA	14	1.04
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	13	1.04
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG13	2	1.04
(2,368)	1:200:A:VAL:HG21	1:202:A:VAL:HG12	3	1.04
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG12	18	1.04
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG13	20	1.04
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG12	17	1.04
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	12	1.04
(2,91)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	6	1.04
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	20	1.04
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	14	1.04
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	6	1.04
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	10	1.04
(1,580)	1:239:A:LEU:HD11	1:237:A:PRO:HG2	12	1.04
(1,579)	1:238:A:VAL:HG23	1:236:A:ASP:HA	12	1.04
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	6	1.04
(1,413)	1:210:A:LEU:HD13	1:208:A:GLU:H	12	1.04
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	19	1.04
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG21	7	1.04
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	19	1.04
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	3	1.04
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	4	1.04
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	9	1.04
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	20	1.04
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	11	1.04
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD11	17	1.04
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD12	18	1.04
(1,216)	1:242:A:ILE:HD12	1:232:A:GLU:HA	14	1.04
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	20	1.04
(1,76)	1:246:A:LEU:HD12	1:243:A:VAL:HG22	13	1.04
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD11	6	1.04
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	3	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	3	1.03
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	3	1.03
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	11	1.03
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	11	1.03
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	11	1.03
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD13	4	1.03
(2,2524)	1:224:A:ILE:HG23	1:246:B:LEU:HD23	16	1.03
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	1	1.03
(2,2397)	1:227:A:ILE:HG22	1:238:B:VAL:HG13	1	1.03
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	8	1.03
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	11	1.03
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	13	1.03
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	16	1.03
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	3	1.03
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	15	1.03
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	12	1.03
(2,1639)	1:192:A:GLU:HB2	1:193:A:ALA:HA	14	1.03
(2,1630)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	3	1.03
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	11	1.03
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	15	1.03
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	19	1.03
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	7	1.03
(2,1335)	1:202:A:VAL:HA	1:201:A:LYS:HB2	19	1.03
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD11	2	1.03
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD12	10	1.03
(2,842)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	6	1.03
(2,842)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	12	1.03
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	16	1.03
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	19	1.03
(2,426)	1:227:A:ILE:HG22	1:239:A:LEU:HD23	13	1.03
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG11	7	1.03
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG12	8	1.03
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG13	12	1.03
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG12	3	1.03
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD11	7	1.03
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD13	18	1.03
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	20	1.03
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	4	1.03
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	4	1.03
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	1	1.03
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	1	1.03
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	9	1.03
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	9	1.03
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	2	1.03
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	1	1.03
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	2	1.03
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	3	1.03
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	4	1.03
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	4	1.03
(1,829)	2:5476:C:PRO:HD3	2:5475:C:LYS:HD2	14	1.03
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	14	1.03
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	5	1.03
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	9	1.03
(1,545)	1:196:A:LEU:HD11	1:194:B:ALA:HB3	12	1.03
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	18	1.03
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	15	1.03
(1,494)	1:202:A:VAL:HG23	1:204:B:LYS:HD3	11	1.03
(1,492)	1:202:A:VAL:HG23	1:201:A:LYS:HB3	14	1.03
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	2	1.03
(1,413)	1:210:A:LEU:HD12	1:208:A:GLU:H	14	1.03
(1,328)	1:238:A:VAL:HG13	1:240:A:GLN:HE21	18	1.03
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	12	1.03
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	4	1.03
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	10	1.03
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	15	1.03
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD12	19	1.03
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	5	1.03
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD23	7	1.03
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD22	18	1.03
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	12	1.03
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	5	1.03
(1,76)	1:246:A:LEU:HD11	1:243:A:VAL:HG22	1	1.03
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD23	7	1.02
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD23	8	1.02
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG22	13	1.02
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG21	18	1.02
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	17	1.02
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	20	1.02
(2,2397)	1:227:A:ILE:HG23	1:238:B:VAL:HG13	17	1.02
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	2	1.02
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	11	1.02
(2,1862)	1:202:A:VAL:H	1:201:A:LYS:HB2	4	1.02
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	8	1.02
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	3	1.02
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	2	1.02
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	20	1.02
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	7	1.02
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	7	1.02
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	5	1.02
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	7	1.02
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	2	1.02
(2,1128)	1:226:A:LEU:HD21	1:229:A:GLN:HE21	6	1.02
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	3	1.02
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	17	1.02
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	16	1.02
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	20	1.02
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG11	1	1.02
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	18	1.02
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	18	1.02
(1,1001)	2:5485:C:LYS:HG2	2:5484:C:ARG:HA	7	1.02
(1,855)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	6	1.02
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	6	1.02
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	3	1.02
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	5	1.02
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	5	1.02
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	19	1.02
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	20	1.02
(1,500)	1:202:A:VAL:HB	1:203:A:LEU:HB3	16	1.02
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	2	1.02
(1,473)	1:203:A:LEU:HD13	1:200:A:VAL:HA	14	1.02
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	13	1.02
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	14	1.02
(1,371)	1:226:A:LEU:HD23	1:222:A:ARG:HD3	19	1.02
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD13	1	1.02
(1,318)	1:239:A:LEU:HD11	1:234:A:GLU:HB2	4	1.02
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	6	1.02
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	13	1.02
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	10	1.02
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	14	1.02
(1,44)	1:238:A:VAL:HG11	1:242:A:ILE:HD11	1	1.02
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD11	11	1.02
(1,43)	1:242:A:ILE:HG23	1:239:A:LEU:HD11	12	1.02
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD11	15	1.02
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	1	1.01
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	1	1.01
(2,2571)	1:242:A:ILE:HD12	1:239:B:LEU:HD21	15	1.01
(2,2524)	1:224:A:ILE:HG23	1:246:B:LEU:HD23	17	1.01
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	15	1.01
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	14	1.01
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG13	15	1.01
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	4	1.01
(2,1338)	1:203:A:LEU:H	1:201:A:LYS:HB2	19	1.01
(2,1237)	1:210:A:LEU:HD12	1:214:B:ARG:HD2	13	1.01
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	8	1.01
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD12	4	1.01
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	8	1.01
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	1	1.01
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG22	1	1.01
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	11	1.01
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG11	3	1.01
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	9	1.01
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG12	4	1.01
(2,368)	1:200:A:VAL:HG23	1:202:A:VAL:HG12	7	1.01
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG11	10	1.01
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG13	15	1.01
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD12	1	1.01
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD12	8	1.01
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	15	1.01
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	15	1.01
(1,1116)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	11	1.01
(1,1116)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	11	1.01
(1,1116)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	11	1.01
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	6	1.01
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	20	1.01
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	20	1.01
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	15	1.01
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	14	1.01
(1,545)	1:196:A:LEU:HD13	1:194:B:ALA:HB1	9	1.01
(1,532)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	19	1.01
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	8	1.01
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	4	1.01
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	1	1.01
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	6	1.01
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	16	1.01
(1,76)	1:246:A:LEU:HD13	1:243:A:VAL:HG21	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:238:A:VAL:HG13	1:242:A:ILE:HD11	11	1.01
(1,43)	1:242:A:ILE:HG23	1:239:A:LEU:HD13	2	1.01
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD11	19	1.01
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	10	1.0
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	10	1.0
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	10	1.0
(2,2606)	1:203:B:LEU:HD21	1:204:A:LYS:HE2	5	1.0
(2,2606)	1:203:B:LEU:HD22	1:204:A:LYS:HE2	5	1.0
(2,2606)	1:203:B:LEU:HD23	1:204:A:LYS:HE2	5	1.0
(2,2557)	1:242:A:ILE:HG21	1:224:B:ILE:HD13	8	1.0
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD12	14	1.0
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB3	20	1.0
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG11	8	1.0
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB1	7	1.0
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	9	1.0
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	5	1.0
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	13	1.0
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	16	1.0
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	8	1.0
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	14	1.0
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	15	1.0
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	3	1.0
(2,1237)	1:210:A:LEU:HD13	1:214:B:ARG:HD2	2	1.0
(2,1237)	1:210:A:LEU:HD13	1:214:B:ARG:HD2	15	1.0
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	7	1.0
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD11	7	1.0
(2,884)	1:248:A:ALA:HB2	1:249:A:THR:HG22	3	1.0
(2,556)	1:241:A:ARG:HD2	1:241:A:ARG:HA	4	1.0
(2,525)	1:246:A:LEU:HA	1:221:A:LEU:HD21	3	1.0
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	4	1.0
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG13	2	1.0
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	10	1.0
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE1	17	1.0
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	6	1.0
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	6	1.0
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	12	1.0
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	13	1.0
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	11	1.0
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	18	1.0
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	8	1.0
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	8	1.0
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	8	1.0
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	8	1.0
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	8	1.0
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	8	1.0
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	8	1.0
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	8	1.0
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG21	11	1.0
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	12	1.0
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	16	1.0
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	17	1.0
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG23	13	1.0
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	4	1.0
(1,495)	1:202:A:VAL:HG12	1:205:A:LEU:HB3	14	1.0
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	3	1.0
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	17	1.0
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG23	14	1.0
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD12	18	1.0
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	1	1.0
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	3	1.0
(1,316)	1:239:A:LEU:HD12	1:234:A:GLU:HG3	11	1.0
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	19	1.0
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	12	1.0
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD12	14	1.0
(1,214)	1:206:A:THR:HB	1:211:B:GLU:HG2	3	1.0
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	8	1.0
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	15	1.0
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	16	1.0
(1,158)	1:235:A:ASN:HA	1:234:A:GLU:HB3	18	1.0
(1,44)	1:238:A:VAL:HG12	1:242:A:ILE:HD12	18	1.0
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD12	5	1.0
(1,43)	1:242:A:ILE:HG22	1:239:A:LEU:HD12	8	1.0
(1,43)	1:242:A:ILE:HG23	1:239:A:LEU:HD13	17	1.0
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	20	0.99
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	20	0.99
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	20	0.99
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	7	0.99
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	7	0.99
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	7	0.99
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	2	0.99
(2,2448)	1:203:A:LEU:HD22	1:200:B:VAL:HG22	14	0.99
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG21	15	0.99
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	3	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	1	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	5	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	6	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD12	7	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	12	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	14	0.99
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD12	20	0.99
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB2	5	0.99
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	15	0.99
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	8	0.99
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB3	2	0.99
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	5	0.99
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	8	0.99
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	2	0.99
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	5	0.99
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	14	0.99
(2,1390)	1:202:A:VAL:HG11	1:206:A:THR:H	19	0.99
(2,1386)	1:202:A:VAL:HG12	1:201:A:LYS:HG2	13	0.99
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	5	0.99
(2,1237)	1:210:A:LEU:HD12	1:214:B:ARG:HD2	11	0.99
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD11	9	0.99
(2,1135)	1:226:A:LEU:HD12	2:5475:C:LYS:HG2	4	0.99
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	15	0.99
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG13	19	0.99
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG11	10	0.99
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG11	14	0.99
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD11	9	0.99
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	20	0.99
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG23	18	0.99
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	7	0.99
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	7	0.99
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	7	0.99
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	7	0.99
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	7	0.99
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	12	0.99
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	20	0.99
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	19	0.99
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	8	0.99
(1,579)	1:238:A:VAL:HG23	1:236:A:ASP:HA	1	0.99
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	14	0.99
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	17	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	6	0.99
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG21	9	0.99
(1,473)	1:203:A:LEU:HD12	1:200:A:VAL:HA	17	0.99
(1,373)	1:226:A:LEU:HD11	2:5476:C:PRO:HD2	13	0.99
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	5	0.99
(1,316)	1:239:A:LEU:HD12	1:234:A:GLU:HG3	17	0.99
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	6	0.99
(1,308)	1:239:A:LEU:HD21	1:236:A:ASP:HB3	14	0.99
(1,235)	1:254:A:VAL:HG22	1:255:A:ILE:HG13	12	0.99
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD13	2	0.99
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	1	0.99
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	9	0.99
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD23	7	0.99
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD11	11	0.99
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	16	0.99
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	18	0.99
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	7	0.98
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	7	0.98
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	7	0.98
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	8	0.98
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	8	0.98
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	8	0.98
(2,2606)	1:203:B:LEU:HD21	1:204:A:LYS:HE2	16	0.98
(2,2606)	1:203:B:LEU:HD22	1:204:A:LYS:HE2	16	0.98
(2,2606)	1:203:B:LEU:HD23	1:204:A:LYS:HE2	16	0.98
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	7	0.98
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	7	0.98
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	7	0.98
(2,2557)	1:242:A:ILE:HG23	1:224:B:ILE:HD13	7	0.98
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	6	0.98
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	20	0.98
(2,2449)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	12	0.98
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB2	15	0.98
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	11	0.98
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	13	0.98
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD13	15	0.98
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	2	0.98
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	18	0.98
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	19	0.98
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	14	0.98
(2,1631)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	11	0.98
(2,1607)	1:237:A:PRO:HA	1:240:A:GLN:HG3	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1607)	1:237:A:PRO:HA	1:240:A:GLN:HG3	18	0.98
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB2	4	0.98
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	10	0.98
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	3	0.98
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	14	0.98
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	6	0.98
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	17	0.98
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	15	0.98
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	16	0.98
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	17	0.98
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG12	18	0.98
(2,368)	1:200:A:VAL:HG22	1:202:A:VAL:HG13	19	0.98
(2,122)	1:246:A:LEU:HD13	1:242:A:ILE:HD11	20	0.98
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	18	0.98
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	17	0.98
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	17	0.98
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	17	0.98
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	4	0.98
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	7	0.98
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	15	0.98
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	10	0.98
(1,598)	1:207:A:VAL:HG22	1:211:A:GLU:HB3	10	0.98
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	2	0.98
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	8	0.98
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	2	0.98
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	8	0.98
(1,518)	1:203:A:LEU:H	1:200:A:VAL:HG22	12	0.98
(1,494)	1:202:A:VAL:HG22	1:204:B:LYS:HD3	1	0.98
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG23	4	0.98
(1,310)	1:239:A:LEU:HD22	1:234:A:GLU:HB2	12	0.98
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	19	0.98
(1,250)	1:206:A:THR:HG22	1:208:A:GLU:H	17	0.98
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	7	0.98
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	12	0.98
(1,172)	1:223:A:ASN:HA	1:245:B:ILE:HG13	19	0.98
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD12	15	0.98
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	16	0.98
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	10	0.97
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	10	0.97
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	10	0.97
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	18	0.97
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	18	0.97
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	1	0.97
(2,2524)	1:224:A:ILE:HG22	1:246:B:LEU:HD23	11	0.97
(2,2511)	1:210:A:LEU:HD23	1:210:B:LEU:HB3	8	0.97
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	14	0.97
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	18	0.97
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	15	0.97
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD13	9	0.97
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD11	15	0.97
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB1	3	0.97
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG13	16	0.97
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	19	0.97
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	8	0.97
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	20	0.97
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	5	0.97
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	6	0.97
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	14	0.97
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	1	0.97
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	3	0.97
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	1	0.97
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	14	0.97
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	18	0.97
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	2	0.97
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	12	0.97
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	11	0.97
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	11	0.97
(2,846)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	4	0.97
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG21	3	0.97
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG22	13	0.97
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG12	6	0.97
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	5	0.97
(2,348)	1:202:A:VAL:HG12	1:203:A:LEU:HB3	7	0.97
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG13	2	0.97
(2,332)	1:203:A:LEU:HD11	1:202:A:VAL:HG12	7	0.97
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	5	0.97
(2,95)	1:255:A:ILE:HD13	1:250:A:ASP:HA	7	0.97
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	16	0.97
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	16	0.97
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	18	0.97
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	8	0.97
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	9	0.97
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	16	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	17	0.97
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	19	0.97
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	20	0.97
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	14	0.97
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	14	0.97
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	14	0.97
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	14	0.97
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	14	0.97
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	14	0.97
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	14	0.97
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	14	0.97
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	14	0.97
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	19	0.97
(1,595)	1:211:A:GLU:HA	1:207:A:VAL:HG22	13	0.97
(1,579)	1:238:A:VAL:HG21	1:236:A:ASP:HA	3	0.97
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	6	0.97
(1,494)	1:202:A:VAL:HG22	1:204:B:LYS:HD3	8	0.97
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	12	0.97
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD12	17	0.97
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	2	0.97
(1,308)	1:239:A:LEU:HD22	1:236:A:ASP:HB3	12	0.97
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	19	0.97
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	1	0.97
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	14	0.97
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	14	0.96
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	14	0.96
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	14	0.96
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	3	0.96
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	3	0.96
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	3	0.96
(2,2552)	1:239:A:LEU:HD22	1:242:B:ILE:HD11	5	0.96
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	8	0.96
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	18	0.96
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	18	0.96
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG13	6	0.96
(2,1631)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	6	0.96
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	4	0.96
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	7	0.96
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	2	0.96
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	17	0.96
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	1	0.96
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	14	0.96
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD11	17	0.96
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	3	0.96
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	2	0.96
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	9	0.96
(2,108)	1:249:A:THR:HG23	2:5480:C:PRO:HB2	18	0.96
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	7	0.96
(2,107)	1:206:A:THR:HG21	1:209:A:ASP:HB2	8	0.96
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	13	0.96
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	13	0.96
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	14	0.96
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	14	0.96
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	3	0.96
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	3	0.96
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	3	0.96
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	10	0.96
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	10	0.96
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	10	0.96
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	12	0.96
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	10	0.96
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	15	0.96
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	20	0.96
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	13	0.96
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	17	0.96
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	6	0.96
(1,537)	1:197:A:MET:HG3	1:196:A:LEU:HB2	1	0.96
(1,495)	1:202:A:VAL:HG13	1:205:A:LEU:HB3	17	0.96
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG21	12	0.96
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	14	0.96
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	1	0.96
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	8	0.96
(1,308)	1:239:A:LEU:HD21	1:236:A:ASP:HB3	4	0.96
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	3	0.96
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	9	0.96
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	9	0.96
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	14	0.96
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	19	0.96
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	13	0.96
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	2	0.95
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	2	0.95
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	2	0.95
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	20	0.95
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	20	0.95
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	19	0.95
(2,2524)	1:224:A:ILE:HG21	1:246:B:LEU:HD23	3	0.95
(2,2511)	1:210:A:LEU:HD23	1:210:B:LEU:HB3	20	0.95
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	11	0.95
(2,2448)	1:203:A:LEU:HD23	1:200:B:VAL:HG22	12	0.95
(2,2448)	1:203:A:LEU:HD21	1:200:B:VAL:HG23	13	0.95
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	9	0.95
(2,2428)	1:245:A:ILE:HD12	1:223:B:ASN:HB2	7	0.95
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	10	0.95
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	7	0.95
(2,1770)	1:242:A:ILE:HD13	1:239:A:LEU:HD11	20	0.95
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	3	0.95
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	12	0.95
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB1	20	0.95
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	3	0.95
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD13	20	0.95
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	4	0.95
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	8	0.95
(2,1205)	1:201:A:LYS:HE2	1:201:A:LYS:HG3	14	0.95
(2,1205)	1:201:A:LYS:HE2	1:201:A:LYS:HG3	17	0.95
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	3	0.95
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	6	0.95
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	8	0.95
(2,472)	1:191:A:ASP:HB3	1:192:A:GLU:HB2	3	0.95
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD23	6	0.95
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG11	17	0.95
(2,348)	1:202:A:VAL:HG11	1:203:A:LEU:HB3	1	0.95
(2,104)	1:254:A:VAL:HG13	1:249:A:THR:HG21	15	0.95
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	20	0.95
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	2	0.95
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	2	0.95
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	2	0.95
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	8	0.95
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	12	0.95
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	14	0.95
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	2	0.95
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	3	0.95
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	7	0.95
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	8	0.95
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	7	0.95
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	14	0.95
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	11	0.95
(1,532)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	17	0.95
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG13	19	0.95
(1,472)	1:196:A:LEU:HD21	1:193:A:ALA:HA	3	0.95
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	18	0.95
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	16	0.95
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	2	0.95
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD13	7	0.95
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD12	10	0.95
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	3	0.95
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	3	0.95
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	2	0.95
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	8	0.95
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	2	0.95
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD21	10	0.95
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD21	20	0.95
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	13	0.95
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	19	0.95
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG21	11	0.95
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	9	0.94
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	9	0.94
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	9	0.94
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	20	0.94
(2,2552)	1:239:A:LEU:HD21	1:242:B:ILE:HD12	15	0.94
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	5	0.94
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	10	0.94
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB2	20	0.94
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	13	0.94
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	13	0.94
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	16	0.94
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	12	0.94
(2,2299)	1:227:A:ILE:H	1:242:A:ILE:HD13	10	0.94
(2,2022)	1:241:A:ARG:H	1:241:A:ARG:HG3	9	0.94
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	1	0.94
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG11	11	0.94
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	2	0.94
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	14	0.94
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB2	18	0.94
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	17	0.94
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	6	0.94
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	19	0.94
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	14	0.94
(2,1415)	1:201:A:LYS:HD2	1:200:A:VAL:H	17	0.94
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	1	0.94
(2,1386)	1:202:A:VAL:HG13	1:201:A:LYS:HG2	12	0.94
(2,1338)	1:203:A:LEU:H	1:201:A:LYS:HB2	4	0.94
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	16	0.94
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	2	0.94
(2,1128)	1:226:A:LEU:HD21	1:229:A:GLN:HE21	19	0.94
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	15	0.94
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG11	11	0.94
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG21	9	0.94
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG23	14	0.94
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	1	0.94
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	4	0.94
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	7	0.94
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD23	10	0.94
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD22	14	0.94
(2,127)	1:245:A:ILE:HG22	1:242:A:ILE:HG12	12	0.94
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	15	0.94
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	1	0.94
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	17	0.94
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	17	0.94
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	19	0.94
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	19	0.94
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	12	0.94
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	12	0.94
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	1	0.94
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	1	0.94
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	11	0.94
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	14	0.94
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	19	0.94
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	10	0.94
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	11	0.94
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	12	0.94
(1,702)	1:236:A:ASP:H	1:238:A:VAL:HB	18	0.94
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	3	0.94
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	7	0.94
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	2	0.94
(1,598)	1:207:A:VAL:HG21	1:211:A:GLU:HB3	7	0.94
(1,579)	1:238:A:VAL:HG21	1:236:A:ASP:HA	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	3	0.94
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	7	0.94
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	6	0.94
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	3	0.94
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG23	3	0.94
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	1	0.94
(1,221)	1:240:A:GLN:H	1:242:A:ILE:HD11	1	0.94
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD12	20	0.94
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD22	15	0.94
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	4	0.94
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	7	0.94
(2,2606)	1:203:B:LEU:HD21	1:204:A:LYS:HE2	17	0.93
(2,2606)	1:203:B:LEU:HD22	1:204:A:LYS:HE2	17	0.93
(2,2606)	1:203:B:LEU:HD23	1:204:A:LYS:HE2	17	0.93
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	17	0.93
(2,2449)	1:196:A:LEU:HD21	1:193:B:ALA:HB2	9	0.93
(2,2449)	1:196:A:LEU:HD22	1:193:B:ALA:HB2	13	0.93
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD12	5	0.93
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	1	0.93
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	7	0.93
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	10	0.93
(2,1430)	1:200:A:VAL:HG21	1:204:A:LYS:HG3	18	0.93
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	15	0.93
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	16	0.93
(2,1415)	1:201:A:LYS:HD2	1:200:A:VAL:H	14	0.93
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	6	0.93
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG21	14	0.93
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG22	17	0.93
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD13	8	0.93
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD11	5	0.93
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD11	16	0.93
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	2	0.93
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	19	0.93
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	16	0.93
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG21	7	0.93
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	10	0.93
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	8	0.93
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	12	0.93
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG12	14	0.93
(2,127)	1:245:A:ILE:HG21	1:242:A:ILE:HG12	7	0.93
(2,127)	1:245:A:ILE:HG23	1:242:A:ILE:HG12	19	0.93
(2,108)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	10	0.93
(2,107)	1:206:A:THR:HG21	1:209:A:ASP:HB2	17	0.93
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	18	0.93
(2,95)	1:255:A:ILE:HD13	1:250:A:ASP:HA	2	0.93
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	15	0.93
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	2	0.93
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	2	0.93
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	4	0.93
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	4	0.93
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	9	0.93
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	9	0.93
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	9	0.93
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	15	0.93
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	15	0.93
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	5	0.93
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	5	0.93
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	5	0.93
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	5	0.93
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	5	0.93
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	11	0.93
(1,872)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	18	0.93
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	6	0.93
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	15	0.93
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	1	0.93
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	9	0.93
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	9	0.93
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	9	0.93
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	1	0.93
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	1	0.93
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	20	0.93
(1,473)	1:203:A:LEU:HD12	1:200:A:VAL:HA	5	0.93
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	11	0.93
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	19	0.93
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	6	0.93
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	15	0.93
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	18	0.93
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD13	8	0.93
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	18	0.93
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	16	0.93
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	16	0.93
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	10	0.93
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	17	0.93
(1,4)	1:240:A:GLN:HA	1:232:A:GLU:HB3	8	0.93
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	6	0.92
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	6	0.92
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	6	0.92
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	11	0.92
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	11	0.92
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	11	0.92
(2,2460)	1:248:A:ALA:HB3	1:220:B:LYS:HE3	11	0.92
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	6	0.92
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	7	0.92
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	19	0.92
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	10	0.92
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	5	0.92
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	14	0.92
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB3	10	0.92
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	11	0.92
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	18	0.92
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	13	0.92
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	1	0.92
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	3	0.92
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	7	0.92
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	14	0.92
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	3	0.92
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	10	0.92
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	7	0.92
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG23	8	0.92
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD12	20	0.92
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	7	0.92
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	14	0.92
(2,1128)	1:226:A:LEU:HD21	1:229:A:GLN:HE21	12	0.92
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD13	14	0.92
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	18	0.92
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	20	0.92
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG12	12	0.92
(2,842)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	1	0.92
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	18	0.92
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	1	0.92
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	12	0.92
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	18	0.92
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE2	1	0.92
(2,332)	1:203:A:LEU:HD12	1:202:A:VAL:HG11	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD22	17	0.92
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	3	0.92
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	15	0.92
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	10	0.92
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	10	0.92
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	4	0.92
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	4	0.92
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	4	0.92
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	10	0.92
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	10	0.92
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	10	0.92
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	10	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	1	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	1	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	1	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	2	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	2	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	2	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	3	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	3	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	3	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	4	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	4	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	4	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	5	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	5	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	5	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	6	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	6	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	6	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	7	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	7	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	7	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	11	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	11	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	11	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	12	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	12	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	12	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	13	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	13	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	14	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	14	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	14	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	15	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	15	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	15	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	18	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	18	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	18	0.92
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	19	0.92
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	19	0.92
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	19	0.92
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	18	0.92
(1,463)	1:203:A:LEU:HD21	1:204:B:LYS:HB2	13	0.92
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	1	0.92
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	20	0.92
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG21	12	0.92
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	7	0.92
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	15	0.92
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	3	0.92
(1,308)	1:239:A:LEU:HD23	1:236:A:ASP:HB3	20	0.92
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD13	20	0.92
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	2	0.92
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD13	6	0.92
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	14	0.92
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	1	0.92
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	4	0.91
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	4	0.91
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	4	0.91
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	8	0.91
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	8	0.91
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	8	0.91
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	4	0.91
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	4	0.91
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	4	0.91
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	19	0.91
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	19	0.91
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	19	0.91
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	10	0.91
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	10	0.91
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	10	0.91
(2,2511)	1:210:A:LEU:HD23	1:210:B:LEU:HB3	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	11	0.91
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	3	0.91
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	6	0.91
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	7	0.91
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	14	0.91
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	9	0.91
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	6	0.91
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	10	0.91
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB2	5	0.91
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	6	0.91
(2,1386)	1:202:A:VAL:HG13	1:201:A:LYS:HG2	15	0.91
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	5	0.91
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	16	0.91
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	19	0.91
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	1	0.91
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	10	0.91
(2,904)	1:246:A:LEU:HD21	1:242:A:ILE:HG12	14	0.91
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG23	2	0.91
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG22	15	0.91
(2,839)	1:254:A:VAL:HG22	1:256:A:PRO:HD2	5	0.91
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	3	0.91
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	9	0.91
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD12	11	0.91
(2,98)	1:255:A:ILE:HG21	2:5478:C:LYS:HD3	8	0.91
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	9	0.91
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	9	0.91
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	5	0.91
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	4	0.91
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	6	0.91
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	17	0.91
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	4	0.91
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	16	0.91
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	15	0.91
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	9	0.91
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	16	0.91
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	8	0.91
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	8	0.91
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	8	0.91
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	10	0.91
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	10	0.91
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	10	0.91
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	16	0.91
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	16	0.91
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	17	0.91
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	17	0.91
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	17	0.91
(1,802)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	20	0.91
(1,802)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	20	0.91
(1,802)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	20	0.91
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	19	0.91
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	9	0.91
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	14	0.91
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	1	0.91
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	18	0.91
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	7	0.91
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	13	0.91
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	10	0.91
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	9	0.91
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	2	0.91
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	5	0.91
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG23	5	0.91
(1,371)	1:226:A:LEU:HD22	1:222:A:ARG:HD3	9	0.91
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	9	0.91
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	17	0.91
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	1	0.91
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG13	14	0.91
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD11	13	0.91
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	13	0.91
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	19	0.91
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	9	0.91
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	20	0.91
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	12	0.91
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	13	0.91
(2,2606)	1:203:B:LEU:HD21	1:204:A:LYS:HE2	14	0.9
(2,2606)	1:203:B:LEU:HD22	1:204:A:LYS:HE2	14	0.9
(2,2606)	1:203:B:LEU:HD23	1:204:A:LYS:HE2	14	0.9
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	4	0.9
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	8	0.9
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD12	4	0.9
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	18	0.9
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	12	0.9
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	16	0.9
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	16	0.9
(2,1386)	1:202:A:VAL:HG13	1:201:A:LYS:HG2	20	0.9
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	20	0.9
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD12	12	0.9
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD12	19	0.9
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	17	0.9
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG12	9	0.9
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG13	10	0.9
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG12	17	0.9
(2,904)	1:246:A:LEU:HD21	1:242:A:ILE:HG12	13	0.9
(2,867)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	6	0.9
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	16	0.9
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD21	20	0.9
(2,98)	1:255:A:ILE:HG22	2:5478:C:LYS:HD3	20	0.9
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	19	0.9
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	19	0.9
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	12	0.9
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	12	0.9
(1,1026)	1:254:A:VAL:HG21	2:5482:C:PRO:HB3	11	0.9
(1,1026)	1:254:A:VAL:HG22	2:5482:C:PRO:HB3	11	0.9
(1,1026)	1:254:A:VAL:HG23	2:5482:C:PRO:HB3	11	0.9
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	14	0.9
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	14	0.9
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	14	0.9
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	3	0.9
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	15	0.9
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	19	0.9
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	6	0.9
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	6	0.9
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	10	0.9
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	9	0.9
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	16	0.9
(1,579)	1:238:A:VAL:HG22	1:236:A:ASP:HA	11	0.9
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	19	0.9
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	10	0.9
(1,495)	1:202:A:VAL:HG13	1:205:A:LEU:HB3	3	0.9
(1,494)	1:202:A:VAL:HG23	1:204:B:LYS:HD3	10	0.9
(1,473)	1:203:A:LEU:HD11	1:200:A:VAL:HA	9	0.9
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG23	2	0.9
(1,377)	1:239:A:LEU:HG	1:224:A:ILE:HG23	8	0.9
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	12	0.9
(1,313)	1:239:A:LEU:HD11	1:231:A:ASN:HB3	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:254:A:VAL:HG23	2:5484:C:ARG:HG3	5	0.9
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	3	0.9
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD12	20	0.9
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	5	0.9
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	12	0.89
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	12	0.89
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	12	0.89
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	8	0.89
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	4	0.89
(2,2397)	1:227:A:ILE:HG21	1:238:B:VAL:HG11	3	0.89
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB3	2	0.89
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	7	0.89
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD13	1	0.89
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	8	0.89
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	3	0.89
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	2	0.89
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB2	5	0.89
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	8	0.89
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	8	0.89
(2,1430)	1:200:A:VAL:HG22	1:204:A:LYS:HG3	20	0.89
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	10	0.89
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	16	0.89
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	17	0.89
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	4	0.89
(2,1097)	1:228:A:CYS:HB2	1:229:A:GLN:HB3	17	0.89
(2,884)	1:248:A:ALA:HB1	1:249:A:THR:HG21	16	0.89
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG21	8	0.89
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	15	0.89
(2,525)	1:246:A:LEU:HA	1:221:A:LEU:HD21	13	0.89
(2,472)	1:191:A:ASP:HB3	1:192:A:GLU:HB2	11	0.89
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	18	0.89
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG11	5	0.89
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	10	0.89
(2,332)	1:203:A:LEU:HD13	1:202:A:VAL:HG11	1	0.89
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	4	0.89
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	8	0.89
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	8	0.89
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	11	0.89
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	11	0.89
(1,1001)	2:5485:C:LYS:HG2	2:5484:C:ARG:HA	10	0.89
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	13	0.89
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	19	0.89
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	11	0.89
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	19	0.89
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	9	0.89
(1,551)	1:196:A:LEU:HD13	1:199:B:GLN:H	9	0.89
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	4	0.89
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	16	0.89
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	19	0.89
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	2	0.89
(1,494)	1:202:A:VAL:HG21	1:204:B:LYS:HD3	18	0.89
(1,472)	1:196:A:LEU:HD23	1:193:A:ALA:HA	2	0.89
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	17	0.89
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD13	5	0.89
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	13	0.89
(1,308)	1:239:A:LEU:HD21	1:236:A:ASP:HB3	2	0.89
(1,198)	1:209:A:ASP:HA	1:210:A:LEU:HD21	8	0.89
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	10	0.89
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	1	0.89
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	3	0.89
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	4	0.89
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	8	0.89
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	11	0.89
(2,2668)	1:203:A:LEU:HD21	1:204:B:LYS:HG2	9	0.88
(2,2668)	1:203:A:LEU:HD22	1:204:B:LYS:HG2	9	0.88
(2,2668)	1:203:A:LEU:HD23	1:204:B:LYS:HG2	9	0.88
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	19	0.88
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	19	0.88
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	19	0.88
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	18	0.88
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	18	0.88
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	18	0.88
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	2	0.88
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	11	0.88
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	19	0.88
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	4	0.88
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	17	0.88
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	5	0.88
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	18	0.88
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	17	0.88
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB2	18	0.88
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	10	0.88
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	17	0.88
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	7	0.88
(2,1386)	1:202:A:VAL:HG11	1:201:A:LYS:HG2	11	0.88
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	6	0.88
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	14	0.88
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	15	0.88
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	10	0.88
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	10	0.88
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	15	0.88
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	18	0.88
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	3	0.88
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	10	0.88
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	6	0.88
(2,953)	1:240:A:GLN:HE22	1:243:A:VAL:HG12	18	0.88
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	9	0.88
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	8	0.88
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB2	9	0.88
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	12	0.88
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	18	0.88
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	18	0.88
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	18	0.88
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	6	0.88
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	18	0.88
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	15	0.88
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	11	0.88
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	11	0.88
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	20	0.88
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	20	0.88
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	20	0.88
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	3	0.88
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	17	0.88
(1,591)	1:196:A:LEU:HD23	1:194:B:ALA:H	20	0.88
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	5	0.88
(1,504)	1:201:A:LYS:HD2	1:203:A:LEU:H	4	0.88
(1,500)	1:202:A:VAL:HB	1:201:A:LYS:HG3	4	0.88
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	12	0.88
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	5	0.88
(1,409)	1:210:A:LEU:HD12	1:213:A:GLU:HB2	8	0.88
(1,377)	1:224:A:ILE:HG21	1:221:A:LEU:HG	4	0.88
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	10	0.88
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	5	0.88
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	13	0.88
(1,316)	1:239:A:LEU:HD12	1:234:A:GLU:HG3	10	0.88
(1,315)	1:239:A:LEU:HD11	1:231:A:ASN:HB2	17	0.88
(1,313)	1:239:A:LEU:HD11	1:231:A:ASN:HB3	13	0.88
(1,311)	1:239:A:LEU:HD23	1:238:B:VAL:H	16	0.88
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	20	0.88
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	8	0.88
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	2	0.88
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	15	0.88
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	9	0.87
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	9	0.87
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	9	0.87
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	7	0.87
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	7	0.87
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	7	0.87
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	12	0.87
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	3	0.87
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	16	0.87
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD12	14	0.87
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	7	0.87
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	16	0.87
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	11	0.87
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	20	0.87
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	4	0.87
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	8	0.87
(2,1386)	1:202:A:VAL:HG13	1:201:A:LYS:HG2	9	0.87
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG22	6	0.87
(2,1376)	1:202:A:VAL:HG22	1:205:A:LEU:H	9	0.87
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	4	0.87
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD13	10	0.87
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	1	0.87
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	13	0.87
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	19	0.87
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	20	0.87
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	20	0.87
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	18	0.87
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	20	0.87
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	10	0.87
(2,472)	1:191:A:ASP:HB3	1:192:A:GLU:HB2	6	0.87
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	8	0.87
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	3	0.87
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	17	0.87
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	17	0.87
(1,962)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	14	0.87
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	16	0.87
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	18	0.87
(1,629)	1:236:A:ASP:HB2	1:238:A:VAL:HB	18	0.87
(1,591)	1:196:A:LEU:HD22	1:194:B:ALA:H	15	0.87
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	13	0.87
(1,551)	1:196:A:LEU:HD12	1:199:B:GLN:H	13	0.87
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	11	0.87
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	17	0.87
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	5	0.87
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	6	0.87
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	8	0.87
(1,504)	1:201:A:LYS:HD2	1:203:A:LEU:H	19	0.87
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	3	0.87
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	15	0.87
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	2	0.87
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	4	0.87
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	8	0.87
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	15	0.87
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	16	0.87
(1,328)	1:238:A:VAL:HG13	1:240:A:GLN:HE21	16	0.87
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	15	0.87
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	3	0.87
(1,232)	1:254:A:VAL:HG21	1:256:A:PRO:HD3	16	0.87
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	5	0.87
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	15	0.87
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	11	0.87
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD12	2	0.87
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	9	0.87
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	6	0.87
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	10	0.87
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	4	0.87
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	9	0.87
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	10	0.87
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD11	6	0.86
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD12	6	0.86
(2,2657)	1:223:B:ASN:HB3	1:245:A:ILE:HD13	6	0.86
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	5	0.86
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	1	0.86
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB1	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	15	0.86
(2,2247)	1:198:A:GLN:HE22	1:194:A:ALA:HB3	1	0.86
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	2	0.86
(2,1770)	1:242:A:ILE:HD13	1:239:A:LEU:HD13	7	0.86
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD12	8	0.86
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD13	17	0.86
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	2	0.86
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	4	0.86
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	1	0.86
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	4	0.86
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB2	19	0.86
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	17	0.86
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB3	5	0.86
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	18	0.86
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG21	4	0.86
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	12	0.86
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	18	0.86
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD11	5	0.86
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD11	17	0.86
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	17	0.86
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	11	0.86
(2,904)	1:246:A:LEU:HD21	1:242:A:ILE:HG12	4	0.86
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	14	0.86
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	20	0.86
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	7	0.86
(2,426)	1:227:A:ILE:HG21	1:239:A:LEU:HD22	18	0.86
(2,426)	1:227:A:ILE:HG23	1:239:A:LEU:HD22	19	0.86
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD23	5	0.86
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	3	0.86
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	10	0.86
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	10	0.86
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	20	0.86
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	20	0.86
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	10	0.86
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	6	0.86
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	9	0.86
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	14	0.86
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	10	0.86
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	19	0.86
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	5	0.86
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	9	0.86
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	15	0.86
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	13	0.86
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	18	0.86
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	7	0.86
(1,472)	1:196:A:LEU:HD23	1:193:A:ALA:HA	7	0.86
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	8	0.86
(1,457)	1:200:A:VAL:HG13	1:201:A:LYS:HB2	2	0.86
(1,400)	1:213:A:GLU:H	1:212:A:LYS:HE2	1	0.86
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	9	0.86
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	10	0.86
(1,308)	1:239:A:LEU:HD22	1:236:B:ASP:HB3	6	0.86
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	8	0.86
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD11	17	0.86
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	20	0.86
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	18	0.85
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	18	0.85
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	18	0.85
(2,2606)	1:203:B:LEU:HD21	1:204:A:LYS:HE2	15	0.85
(2,2606)	1:203:B:LEU:HD22	1:204:A:LYS:HE2	15	0.85
(2,2606)	1:203:B:LEU:HD23	1:204:A:LYS:HE2	15	0.85
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	15	0.85
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	17	0.85
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	17	0.85
(2,2337)	1:253:A:PHE:H	1:254:A:VAL:HG21	12	0.85
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	10	0.85
(2,1749)	1:235:A:ASN:HB2	1:240:A:GLN:H	6	0.85
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	7	0.85
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	1	0.85
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	7	0.85
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	19	0.85
(2,1607)	1:237:A:PRO:HA	1:240:A:GLN:HG3	17	0.85
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	2	0.85
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	18	0.85
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	11	0.85
(2,1415)	1:201:A:LYS:HD2	1:200:A:VAL:H	3	0.85
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	18	0.85
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG22	18	0.85
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	20	0.85
(2,1209)	1:212:A:LYS:HE2	1:209:A:ASP:HA	4	0.85
(2,1161)	1:224:A:ILE:HD12	2:5479:C:ILE:HD12	1	0.85
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	12	0.85
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	7	0.85
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	17	0.85
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG21	1	0.85
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG21	17	0.85
(2,633)	1:226:A:LEU:HA	2:5475:C:LYS:HG2	5	0.85
(2,439)	1:239:A:LEU:HD23	1:232:A:GLU:HB2	18	0.85
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	9	0.85
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	11	0.85
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE1	15	0.85
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD21	16	0.85
(2,85)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	16	0.85
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	11	0.85
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	2	0.85
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	3	0.85
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	3	0.85
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	12	0.85
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	12	0.85
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	12	0.85
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	15	0.85
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	4	0.85
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	12	0.85
(1,538)	1:197:A:MET:HG3	1:196:B:LEU:HB3	10	0.85
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	2	0.85
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	9	0.85
(1,473)	1:203:A:LEU:HD12	1:200:A:VAL:HA	12	0.85
(1,472)	1:196:A:LEU:HD21	1:193:A:ALA:HA	6	0.85
(1,400)	1:212:A:LYS:HE2	1:209:A:ASP:H	8	0.85
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	15	0.85
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	4	0.85
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG13	16	0.85
(1,223)	1:256:A:PRO:HG2	2:5478:C:LYS:HD3	20	0.85
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	12	0.85
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	14	0.85
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD22	15	0.85
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD11	3	0.85
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	6	0.85
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	1	0.85
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	14	0.84
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	14	0.84
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	14	0.84
(2,2553)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	9	0.84
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2446)	1:192:A:GLU:HB2	1:193:B:ALA:HB3	3	0.84
(2,2440)	1:249:A:THR:HG23	1:216:B:PHE:HZ	11	0.84
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	12	0.84
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	13	0.84
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	5	0.84
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	7	0.84
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	17	0.84
(2,1607)	1:237:A:PRO:HA	1:240:A:GLN:HG3	10	0.84
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	6	0.84
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB1	5	0.84
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB2	16	0.84
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	3	0.84
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	5	0.84
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	10	0.84
(2,1390)	1:202:A:VAL:HG11	1:206:A:THR:H	12	0.84
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	15	0.84
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD11	11	0.84
(2,1161)	1:224:A:ILE:HD13	2:5479:C:ILE:HD12	20	0.84
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG22	11	0.84
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD21	4	0.84
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	4	0.84
(2,884)	1:248:A:ALA:HB3	1:249:A:THR:HG23	6	0.84
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD13	14	0.84
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	10	0.84
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	12	0.84
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	16	0.84
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	18	0.84
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG11	4	0.84
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG23	18	0.84
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	13	0.84
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB2	16	0.84
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	16	0.84
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	16	0.84
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	19	0.84
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	19	0.84
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	19	0.84
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	17	0.84
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	17	0.84
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	17	0.84
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	6	0.84
(1,871)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	5	0.84
(1,702)	1:236:A:ASP:H	1:240:A:GLN:HB3	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	16	0.84
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	1	0.84
(1,516)	1:207:A:VAL:HG23	1:211:A:GLU:H	4	0.84
(1,472)	1:196:A:LEU:HD21	1:193:A:ALA:HA	14	0.84
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	1	0.84
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	17	0.84
(1,371)	1:226:A:LEU:HD23	1:222:A:ARG:HD3	17	0.84
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD13	3	0.84
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	19	0.84
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	17	0.84
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	20	0.84
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	2	0.84
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	4	0.84
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	14	0.84
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	8	0.84
(1,308)	1:239:A:LEU:HD22	1:236:A:ASP:HB3	16	0.84
(1,308)	1:239:A:LEU:HD23	1:236:A:ASP:HB3	19	0.84
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	5	0.84
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	2	0.84
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD21	10	0.84
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG21	8	0.84
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	19	0.84
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	3	0.84
(1,52)	1:210:A:LEU:HD12	1:207:A:VAL:HG23	18	0.84
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG23	15	0.84
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	5	0.83
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	5	0.83
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	5	0.83
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	14	0.83
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	14	0.83
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	14	0.83
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	9	0.83
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	5	0.83
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	19	0.83
(2,1607)	1:237:A:PRO:HA	1:240:A:GLN:HG3	9	0.83
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	5	0.83
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	19	0.83
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	5	0.83
(2,1367)	1:202:A:VAL:HG23	1:198:A:GLN:HG2	8	0.83
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	14	0.83
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	1	0.83
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1128)	1:226:A:LEU:HD21	1:229:A:GLN:HE21	4	0.83
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	16	0.83
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	15	0.83
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG21	11	0.83
(2,311)	1:201:A:LYS:HB2	1:202:A:VAL:HB	4	0.83
(2,311)	1:201:A:LYS:HB2	1:202:A:VAL:HB	19	0.83
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD21	7	0.83
(2,122)	1:246:A:LEU:HD12	1:242:A:ILE:HD13	4	0.83
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	17	0.83
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB2	18	0.83
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	7	0.83
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	7	0.83
(1,1115)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	10	0.83
(1,1115)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	10	0.83
(1,1115)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	10	0.83
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	15	0.83
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	15	0.83
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	15	0.83
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	16	0.83
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	14	0.83
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	20	0.83
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	9	0.83
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	15	0.83
(1,830)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	4	0.83
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	1	0.83
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	1	0.83
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	17	0.83
(1,591)	1:196:A:LEU:HD23	1:194:B:ALA:H	12	0.83
(1,591)	1:196:A:LEU:HD22	1:194:B:ALA:H	13	0.83
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG13	2	0.83
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	3	0.83
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	16	0.83
(1,472)	1:196:A:LEU:HD23	1:193:A:ALA:HA	1	0.83
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	19	0.83
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	13	0.83
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	19	0.83
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	6	0.83
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	1	0.83
(1,310)	1:239:A:LEU:HD22	1:234:A:GLU:HB2	16	0.83
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	15	0.83
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	13	0.83
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG13	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:206:A:THR:HB	1:211:B:GLU:HG2	19	0.83
(1,200)	1:202:A:VAL:HA	1:204:A:LYS:HB2	4	0.83
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD21	8	0.83
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	2	0.83
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG22	9	0.83
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	10	0.82
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	10	0.82
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	10	0.82
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	10	0.82
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	10	0.82
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	10	0.82
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	10	0.82
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	10	0.82
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	10	0.82
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	11	0.82
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	11	0.82
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	11	0.82
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	1	0.82
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	1	0.82
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	1	0.82
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	1	0.82
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	15	0.82
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	15	0.82
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	17	0.82
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	4	0.82
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	14	0.82
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	15	0.82
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	16	0.82
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD11	16	0.82
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG12	9	0.82
(2,1746)	1:235:A:ASN:HB3	1:233:A:GLY:HA3	11	0.82
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	10	0.82
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	15	0.82
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	3	0.82
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	14	0.82
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	17	0.82
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	4	0.82
(2,1378)	1:198:A:GLN:HE22	1:202:A:VAL:HG23	19	0.82
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	17	0.82
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	6	0.82
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD11	11	0.82
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	4	0.82
(2,1161)	1:224:A:ILE:HD11	2:5479:C:ILE:HD11	18	0.82
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	8	0.82
(2,1141)	1:194:A:ALA:H	1:192:A:GLU:HB2	9	0.82
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	5	0.82
(2,847)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	6	0.82
(2,842)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	5	0.82
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	20	0.82
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	7	0.82
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	13	0.82
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	6	0.82
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	1	0.82
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG23	15	0.82
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	7	0.82
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	16	0.82
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD21	8	0.82
(2,122)	1:246:A:LEU:HD13	1:242:A:ILE:HD13	13	0.82
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB2	19	0.82
(1,1116)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	5	0.82
(1,1116)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	5	0.82
(1,1116)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	5	0.82
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	11	0.82
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	18	0.82
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	5	0.82
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	5	0.82
(1,579)	1:238:A:VAL:HG21	1:236:A:ASP:HA	5	0.82
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	17	0.82
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	2	0.82
(1,492)	1:202:A:VAL:HG22	1:201:A:LYS:HB3	20	0.82
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	5	0.82
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	6	0.82
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	4	0.82
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	18	0.82
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD23	3	0.82
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	7	0.82
(1,232)	1:254:A:VAL:HG23	1:256:A:PRO:HD3	13	0.82
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	18	0.82
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	6	0.82
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	13	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	2	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	8	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	15	0.82
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	17	0.82
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	6	0.82
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	16	0.82
(1,82)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	18	0.82
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD11	12	0.82
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	17	0.82
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	18	0.82
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	4	0.81
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	4	0.81
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	4	0.81
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	6	0.81
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	6	0.81
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	6	0.81
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	13	0.81
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	13	0.81
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	13	0.81
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	2	0.81
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	2	0.81
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	2	0.81
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	7	0.81
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	4	0.81
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	16	0.81
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD13	20	0.81
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD12	3	0.81
(2,1768)	1:244:A:ASP:HB3	1:243:A:VAL:HG13	10	0.81
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	6	0.81
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	6	0.81
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	11	0.81
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	14	0.81
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB1	2	0.81
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB1	8	0.81
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	13	0.81
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB2	16	0.81
(2,1485)	1:197:A:MET:HG3	1:193:A:ALA:HB1	18	0.81
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	16	0.81
(2,1390)	1:202:A:VAL:HG11	1:206:A:THR:H	9	0.81
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	6	0.81
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	18	0.81
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	19	0.81
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	3	0.81
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	2	0.81
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG22	7	0.81
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	17	0.81
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD12	8	0.81
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	8	0.81
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	9	0.81
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	12	0.81
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	2	0.81
(2,842)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	3	0.81
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	4	0.81
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG21	5	0.81
(2,670)	1:215:A:ASP:HA	1:214:A:ARG:HD2	19	0.81
(2,525)	1:246:A:LEU:HA	1:221:A:LEU:HD21	8	0.81
(2,365)	1:201:A:LYS:HG2	1:200:A:VAL:HG22	15	0.81
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD21	1	0.81
(2,185)	1:238:A:VAL:HG23	1:239:B:LEU:HD21	18	0.81
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	3	0.81
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	5	0.81
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	5	0.81
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	2	0.81
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	2	0.81
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	6	0.81
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	6	0.81
(1,1116)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	9	0.81
(1,1116)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	9	0.81
(1,1116)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	9	0.81
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	20	0.81
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	16	0.81
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	12	0.81
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	6	0.81
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	16	0.81
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	1	0.81
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	3	0.81
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	5	0.81
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	5	0.81
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	5	0.81
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	5	0.81
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	6	0.81
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	6	0.81
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	6	0.81
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	14	0.81
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	14	0.81
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	9	0.81
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	12	0.81
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	15	0.81
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	12	0.81
(1,532)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	16	0.81
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	1	0.81
(1,492)	1:202:A:VAL:HG22	1:201:A:LYS:HB3	15	0.81
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	1	0.81
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	4	0.81
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	9	0.81
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	17	0.81
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG21	5	0.81
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG21	9	0.81
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	16	0.81
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	16	0.81
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD21	18	0.81
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	16	0.81
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	5	0.81
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	12	0.81
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	19	0.81
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	8	0.81
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	9	0.81
(1,250)	1:206:A:THR:HG22	1:208:A:GLU:H	8	0.81
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	12	0.81
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD13	5	0.81
(1,214)	1:206:A:THR:HB	1:211:B:GLU:HG2	4	0.81
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	19	0.81
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD22	18	0.81
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	14	0.81
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD11	9	0.81
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD12	13	0.81
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG21	12	0.81
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	15	0.8
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	15	0.8
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	15	0.8
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	15	0.8
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	15	0.8
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	15	0.8
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	15	0.8
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	15	0.8
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	1	0.8
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	1	0.8
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	1	0.8
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	16	0.8
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	16	0.8
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	16	0.8
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	14	0.8
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	9	0.8
(2,2454)	1:203:A:LEU:HD13	1:204:B:LYS:HA	12	0.8
(2,2428)	1:245:A:ILE:HD12	1:223:B:ASN:HB2	12	0.8
(2,1956)	1:228:A:CYS:H	1:229:A:GLN:HB3	7	0.8
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	1	0.8
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	9	0.8
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	10	0.8
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	12	0.8
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	13	0.8
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	1	0.8
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	3	0.8
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	15	0.8
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB2	6	0.8
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	4	0.8
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	7	0.8
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	7	0.8
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	11	0.8
(2,1390)	1:202:A:VAL:HG12	1:206:A:THR:H	11	0.8
(2,1367)	1:202:A:VAL:HG23	1:198:A:GLN:HG2	19	0.8
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	2	0.8
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	19	0.8
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	9	0.8
(2,1209)	1:212:A:LYS:HE2	1:209:A:ASP:HA	2	0.8
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG22	12	0.8
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	16	0.8
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	8	0.8
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	16	0.8
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	2	0.8
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	6	0.8
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	14	0.8
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	3	0.8
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	6	0.8
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	16	0.8
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	4	0.8
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	19	0.8
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	2	0.8
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	3	0.8
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	9	0.8
(2,261)	1:201:A:LYS:HE2	1:198:A:GLN:HA	14	0.8
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	2	0.8
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	4	0.8
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD11	14	0.8
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	6	0.8
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	13	0.8
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	13	0.8
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	13	0.8
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	9	0.8
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	9	0.8
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	3	0.8
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	15	0.8
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	20	0.8
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	12	0.8
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	17	0.8
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	5	0.8
(1,472)	1:196:A:LEU:HD21	1:193:A:ALA:HA	5	0.8
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	12	0.8
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	3	0.8
(1,414)	1:210:A:LEU:HD11	1:207:B:VAL:HG22	13	0.8
(1,342)	1:208:A:GLU:HB2	1:205:A:LEU:HD22	6	0.8
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	1	0.8
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	5	0.8
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	3	0.8
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	4	0.8
(1,315)	1:239:A:LEU:HD11	1:231:A:ASN:HB2	13	0.8
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	7	0.8
(1,255)	1:246:A:LEU:HD11	1:245:A:ILE:HG21	2	0.8
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	19	0.8
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	17	0.8
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD13	12	0.8
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	9	0.8
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	4	0.8
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	18	0.8
(1,26)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	11	0.8
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	4	0.79
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	4	0.79
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	5	0.79
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	5	0.79
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	5	0.79
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	15	0.79
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	15	0.79
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	15	0.79
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	6	0.79
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	6	0.79
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	6	0.79
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	1	0.79
(2,2428)	1:245:A:ILE:HD12	1:223:B:ASN:HB2	19	0.79
(2,2376)	1:210:A:LEU:HD11	1:214:B:ARG:HB3	17	0.79
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	20	0.79
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD13	2	0.79
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD11	10	0.79
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	13	0.79
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	20	0.79
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	8	0.79
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	14	0.79
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	16	0.79
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	7	0.79
(2,1552)	1:195:A:GLU:H	1:193:A:ALA:HB3	10	0.79
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	11	0.79
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB3	15	0.79
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	1	0.79
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	8	0.79
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	8	0.79
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	8	0.79
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	3	0.79
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	15	0.79
(2,1010)	1:238:A:VAL:HG23	1:231:B:ASN:HD22	17	0.79
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	1	0.79
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	8	0.79
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	11	0.79
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	10	0.79
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	2	0.79
(2,418)	1:200:A:VAL:HA	1:197:A:MET:HB2	13	0.79
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	4	0.79
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD23	12	0.79
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	15	0.79
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	3	0.79
(2,95)	1:255:A:ILE:HD13	1:250:A:ASP:HA	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:255:A:ILE:HD11	1:250:A:ASP:HA	9	0.79
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	14	0.79
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	19	0.79
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	19	0.79
(1,983)	2:5476:C:PRO:HG2	2:5475:C:LYS:HD2	4	0.79
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	10	0.79
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	16	0.79
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	4	0.79
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	4	0.79
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	4	0.79
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	11	0.79
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	11	0.79
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	11	0.79
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	2	0.79
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	12	0.79
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	19	0.79
(1,591)	1:196:A:LEU:HD21	1:194:B:ALA:H	9	0.79
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	4	0.79
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	15	0.79
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	5	0.79
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	13	0.79
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	5	0.79
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	6	0.79
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	11	0.79
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	1	0.79
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	10	0.79
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	3	0.79
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	11	0.79
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	14	0.79
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	14	0.79
(1,414)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	12	0.79
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	1	0.79
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	14	0.79
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	12	0.79
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG13	6	0.79
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	20	0.79
(1,255)	1:246:A:LEU:HD12	2:5479:C:ILE:HG12	3	0.79
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	15	0.79
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	18	0.79
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	20	0.79
(1,232)	1:254:A:VAL:HG22	1:256:A:PRO:HD3	5	0.79
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	18	0.79
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	10	0.79
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG23	10	0.79
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	9	0.78
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	9	0.78
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	9	0.78
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	9	0.78
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	9	0.78
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	9	0.78
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	9	0.78
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	9	0.78
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	9	0.78
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	16	0.78
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	16	0.78
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	16	0.78
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	17	0.78
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	17	0.78
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	17	0.78
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	12	0.78
(2,2458)	1:221:A:LEU:HD12	1:217:B:TYR:HB2	5	0.78
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	12	0.78
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	13	0.78
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	5	0.78
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	14	0.78
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	15	0.78
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	9	0.78
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	17	0.78
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	11	0.78
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	12	0.78
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	9	0.78
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	16	0.78
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	13	0.78
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	20	0.78
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	11	0.78
(2,1384)	1:202:A:VAL:HG13	1:199:A:GLN:HG3	9	0.78
(2,1376)	1:202:A:VAL:HG22	1:205:A:LEU:H	13	0.78
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	14	0.78
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	20	0.78
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	16	0.78
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	14	0.78
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD12	15	0.78
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	13	0.78
(2,1125)	1:226:A:LEU:HD21	1:229:A:GLN:HG2	4	0.78
(2,1125)	1:226:A:LEU:HD22	1:229:A:GLN:HG2	17	0.78
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	15	0.78
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	19	0.78
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	16	0.78
(2,700)	1:210:A:LEU:HD21	1:208:B:GLU:HA	18	0.78
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG21	6	0.78
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	17	0.78
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	13	0.78
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD11	16	0.78
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	10	0.78
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	1	0.78
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	2	0.78
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	2	0.78
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	17	0.78
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	17	0.78
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	9	0.78
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	9	0.78
(1,1026)	1:254:A:VAL:HG21	2:5482:C:PRO:HB3	12	0.78
(1,1026)	1:254:A:VAL:HG22	2:5482:C:PRO:HB3	12	0.78
(1,1026)	1:254:A:VAL:HG23	2:5482:C:PRO:HB3	12	0.78
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	13	0.78
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	17	0.78
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	18	0.78
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	18	0.78
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	14	0.78
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	20	0.78
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG22	9	0.78
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	16	0.78
(1,538)	1:197:A:MET:HG3	1:196:A:LEU:HB3	9	0.78
(1,516)	1:207:A:VAL:HG21	1:211:A:GLU:H	14	0.78
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	11	0.78
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	10	0.78
(1,328)	1:238:A:VAL:HG11	1:240:A:GLN:HE21	20	0.78
(1,308)	1:239:A:LEU:HD22	1:236:B:ASP:HB3	10	0.78
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	7	0.78
(1,200)	1:202:A:VAL:HA	1:204:A:LYS:HB2	19	0.78
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	20	0.78
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD21	20	0.78
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG23	17	0.78
(1,131)	1:244:A:ASP:HA	1:246:A:LEU:HD13	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG22	10	0.78
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG22	16	0.78
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG22	17	0.78
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG22	19	0.78
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD11	5	0.78
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	18	0.77
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	18	0.77
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	18	0.77
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	18	0.77
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	18	0.77
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	18	0.77
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	18	0.77
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	18	0.77
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	18	0.77
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	13	0.77
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	13	0.77
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	14	0.77
(2,2454)	1:203:A:LEU:HD12	1:204:B:LYS:HA	15	0.77
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	2	0.77
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	17	0.77
(2,1799)	1:193:A:ALA:H	1:192:A:GLU:HB2	20	0.77
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD11	12	0.77
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	4	0.77
(2,1620)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	8	0.77
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	11	0.77
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	19	0.77
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB2	9	0.77
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB2	19	0.77
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	18	0.77
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	20	0.77
(2,1390)	1:202:A:VAL:HG13	1:206:A:THR:H	13	0.77
(2,1376)	1:202:A:VAL:HG22	1:205:A:LEU:H	4	0.77
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	19	0.77
(2,1367)	1:202:A:VAL:HG21	1:198:A:GLN:HG2	4	0.77
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	16	0.77
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	4	0.77
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	18	0.77
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	9	0.77
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	2	0.77
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	20	0.77
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	15	0.77
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	17	0.77
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	4	0.77
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD11	17	0.77
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG21	10	0.77
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG22	18	0.77
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG22	19	0.77
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	15	0.77
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	14	0.77
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	9	0.77
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	19	0.77
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG23	3	0.77
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	12	0.77
(2,95)	1:255:A:ILE:HD13	1:250:A:ASP:HA	12	0.77
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	2	0.77
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB2	5	0.77
(1,1183)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	7	0.77
(1,1183)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	7	0.77
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	15	0.77
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	15	0.77
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	15	0.77
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	8	0.77
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	8	0.77
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	8	0.77
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	8	0.77
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	8	0.77
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	8	0.77
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	8	0.77
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	8	0.77
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	8	0.77
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	17	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	3	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	4	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	6	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	9	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	13	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	14	0.77
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	17	0.77
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	7	0.77
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	8	0.77
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	3	0.77
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	5	0.77
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	7	0.77
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD21	5	0.77
(1,551)	1:196:A:LEU:HD13	1:199:B:GLN:H	15	0.77
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	3	0.77
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	7	0.77
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	17	0.77
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	6	0.77
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	16	0.77
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	9	0.77
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	9	0.77
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	16	0.77
(1,250)	1:206:A:THR:HG21	1:208:A:GLU:H	10	0.77
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	10	0.77
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	19	0.77
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	11	0.77
(2,2553)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	3	0.76
(2,2434)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	3	0.76
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	8	0.76
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD11	15	0.76
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	7	0.76
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	17	0.76
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	4	0.76
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	8	0.76
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	9	0.76
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	20	0.76
(2,1376)	1:202:A:VAL:HG21	1:205:A:LEU:H	1	0.76
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	2	0.76
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	3	0.76
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	7	0.76
(2,1376)	1:202:A:VAL:HG22	1:205:A:LEU:H	10	0.76
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	16	0.76
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	5	0.76
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	18	0.76
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	7	0.76
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	12	0.76
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	19	0.76
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	10	0.76
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD13	16	0.76
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	6	0.76
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG22	19	0.76
(2,713)	1:209:A:ASP:HA	1:212:A:LYS:HB2	1	0.76
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG21	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	6	0.76
(2,261)	1:201:A:LYS:HE2	1:198:A:GLN:HA	17	0.76
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	9	0.76
(2,107)	1:206:A:THR:HG21	1:209:A:ASP:HB2	5	0.76
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	16	0.76
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	6	0.76
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	7	0.76
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	2	0.76
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	2	0.76
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	7	0.76
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	7	0.76
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	16	0.76
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	16	0.76
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	9	0.76
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	9	0.76
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	9	0.76
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	19	0.76
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	2	0.76
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	5	0.76
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	19	0.76
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	6	0.76
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	16	0.76
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	16	0.76
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	16	0.76
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	11	0.76
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	9	0.76
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	10	0.76
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	14	0.76
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	11	0.76
(1,457)	1:200:A:VAL:HG13	1:201:A:LYS:HB2	10	0.76
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	13	0.76
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	7	0.76
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	3	0.76
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	5	0.76
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	6	0.76
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	2	0.76
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	13	0.76
(1,250)	1:206:A:THR:HG23	1:208:A:GLU:H	7	0.76
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	1	0.76
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	5	0.76
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG23	3	0.76
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD11	1	0.76
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD11	2	0.76
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	2	0.75
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	2	0.75
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	2	0.75
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	8	0.75
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	8	0.75
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	8	0.75
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	17	0.75
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	17	0.75
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	17	0.75
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	13	0.75
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	19	0.75
(2,2428)	1:245:A:ILE:HD11	1:223:B:ASN:HB2	18	0.75
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	18	0.75
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	5	0.75
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	16	0.75
(2,1956)	1:228:A:CYS:H	1:229:A:GLN:HB3	17	0.75
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	11	0.75
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	9	0.75
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	15	0.75
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	4	0.75
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	10	0.75
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	8	0.75
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	19	0.75
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	5	0.75
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	2	0.75
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	6	0.75
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	13	0.75
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	8	0.75
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	10	0.75
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	18	0.75
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	14	0.75
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	5	0.75
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	17	0.75
(2,1209)	1:212:A:LYS:HE2	1:209:A:ASP:HA	7	0.75
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	9	0.75
(2,1125)	1:226:A:LEU:HD22	1:229:A:GLN:HG2	13	0.75
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	13	0.75
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	3	0.75
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	4	0.75
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	2	0.75
(2,887)	1:246:A:LEU:HD21	1:222:A:ARG:HA	20	0.75
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	20	0.75
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	14	0.75
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	4	0.75
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG22	8	0.75
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	14	0.75
(2,304)	1:207:A:VAL:HG23	1:204:A:LYS:HD2	15	0.75
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	17	0.75
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD21	3	0.75
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	4	0.75
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	9	0.75
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	13	0.75
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	12	0.75
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB1	7	0.75
(2,26)	1:198:A:GLN:HA	1:194:A:ALA:HB3	10	0.75
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	1	0.75
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	1	0.75
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	6	0.75
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	8	0.75
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	10	0.75
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	1	0.75
(1,579)	1:238:A:VAL:HG22	1:231:B:ASN:HA	9	0.75
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	12	0.75
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	7	0.75
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	18	0.75
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	16	0.75
(1,328)	1:238:A:VAL:HG13	1:240:A:GLN:HE21	14	0.75
(1,316)	1:239:A:LEU:HD12	1:234:A:GLU:HG3	12	0.75
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	14	0.75
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	4	0.75
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	10	0.75
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	9	0.75
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD13	18	0.75
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG23	5	0.75
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	3	0.74
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	3	0.74
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	3	0.74
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	10	0.74
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	14	0.74
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD11	6	0.74
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1605)	1:236:A:ASP:HB2	1:239:A:LEU:HG	9	0.74
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	20	0.74
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	9	0.74
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	3	0.74
(2,1502)	1:197:A:MET:HB2	1:194:A:ALA:HB1	12	0.74
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	18	0.74
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	5	0.74
(2,1395)	1:202:A:VAL:HG13	1:198:A:GLN:HE22	6	0.74
(2,1395)	1:202:A:VAL:HG12	1:198:A:GLN:HE22	14	0.74
(2,1395)	1:202:A:VAL:HG13	1:198:A:GLN:HE22	17	0.74
(2,1384)	1:202:A:VAL:HG13	1:199:A:GLN:HG3	12	0.74
(2,1384)	1:202:A:VAL:HG12	1:199:A:GLN:HG3	13	0.74
(2,1376)	1:202:A:VAL:HG23	1:205:A:LEU:H	11	0.74
(2,1367)	1:202:A:VAL:HG22	1:198:A:GLN:HG2	6	0.74
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	1	0.74
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG23	7	0.74
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	2	0.74
(2,1097)	1:228:A:CYS:HB2	1:229:A:GLN:HB3	7	0.74
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	8	0.74
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	20	0.74
(2,714)	1:209:A:ASP:HA	1:206:A:THR:HG23	11	0.74
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG23	1	0.74
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG23	12	0.74
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG23	13	0.74
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG21	17	0.74
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	19	0.74
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	5	0.74
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	10	0.74
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	16	0.74
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG21	9	0.74
(2,107)	1:206:A:THR:HG21	1:209:A:ASP:HB2	1	0.74
(2,95)	1:255:A:ILE:HD12	1:250:A:ASP:HA	14	0.74
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	12	0.74
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	17	0.74
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	9	0.74
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	1	0.74
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	1	0.74
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	1	0.74
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	2	0.74
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	2	0.74
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	13	0.74
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	4	0.74
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	4	0.74
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	4	0.74
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	4	0.74
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	4	0.74
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	4	0.74
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	14	0.74
(1,992)	2:5485:C:LYS:HG2	2:5485:C:LYS:HA	17	0.74
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	18	0.74
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	11	0.74
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	12	0.74
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	18	0.74
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	1	0.74
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	4	0.74
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	1	0.74
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	13	0.74
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD11	15	0.74
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG22	15	0.74
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG13	10	0.74
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	11	0.74
(1,500)	1:202:A:VAL:HB	1:201:A:LYS:HG3	19	0.74
(1,495)	1:202:A:VAL:HG13	1:201:A:LYS:HD2	7	0.74
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	16	0.74
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	9	0.74
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	6	0.74
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	8	0.74
(1,414)	1:210:A:LEU:HD11	1:207:B:VAL:HG21	11	0.74
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	8	0.74
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	7	0.74
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	12	0.74
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	6	0.74
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	3	0.74
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	7	0.74
(1,223)	1:256:A:PRO:HG2	2:5478:C:LYS:HD3	8	0.74
(1,196)	1:209:A:ASP:HA	1:208:A:GLU:HB3	7	0.74
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	14	0.74
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	12	0.74
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	1	0.74
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	12	0.74
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG21	8	0.74
(1,43)	1:242:A:ILE:HG21	1:239:A:LEU:HD12	9	0.74
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG23	2	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG23	18	0.74
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	5	0.73
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	5	0.73
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	5	0.73
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	5	0.73
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	5	0.73
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	5	0.73
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	5	0.73
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	5	0.73
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	5	0.73
(2,2553)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	4	0.73
(2,2541)	1:238:A:VAL:HG23	1:238:B:VAL:HG23	20	0.73
(2,2428)	1:245:A:ILE:HD13	1:223:B:ASN:HB2	13	0.73
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	19	0.73
(2,2384)	1:214:A:ARG:HG2	1:217:B:TYR:HE1	18	0.73
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	1	0.73
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	20	0.73
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	8	0.73
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD13	13	0.73
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	2	0.73
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	10	0.73
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD22	19	0.73
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	2	0.73
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	10	0.73
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	12	0.73
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	13	0.73
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	9	0.73
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	17	0.73
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	17	0.73
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD12	5	0.73
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	6	0.73
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	14	0.73
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	5	0.73
(2,919)	1:245:A:ILE:HG23	1:223:B:ASN:HA	10	0.73
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	14	0.73
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	8	0.73
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	3	0.73
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	1	0.73
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD11	6	0.73
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	19	0.73
(2,455)	1:191:A:ASP:HB2	1:194:A:ALA:HB1	6	0.73
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	4	0.73
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	6	0.73
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	8	0.73
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	14	0.73
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	17	0.73
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	18	0.73
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	15	0.73
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	16	0.73
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	6	0.73
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	13	0.73
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	14	0.73
(1,1115)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	5	0.73
(1,1115)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	5	0.73
(1,1115)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	5	0.73
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	6	0.73
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	6	0.73
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	6	0.73
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	2	0.73
(1,992)	2:5485:C:LYS:HG2	2:5485:C:LYS:HA	19	0.73
(1,962)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	9	0.73
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	15	0.73
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	4	0.73
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	16	0.73
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	4	0.73
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	16	0.73
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	2	0.73
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	20	0.73
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	14	0.73
(1,579)	1:238:A:VAL:HG21	1:236:A:ASP:HA	10	0.73
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	6	0.73
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	18	0.73
(1,492)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	12	0.73
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	12	0.73
(1,465)	1:203:A:LEU:HD23	1:207:B:VAL:H	11	0.73
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	14	0.73
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD12	11	0.73
(1,400)	1:213:A:GLU:H	1:212:A:LYS:HE2	6	0.73
(1,383)	1:224:A:ILE:HD12	1:242:B:ILE:HA	6	0.73
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD12	13	0.73
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	14	0.73
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	5	0.73
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	10	0.73
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	17	0.73
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD13	20	0.73
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	11	0.73
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	18	0.73
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	19	0.73
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD13	7	0.73
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	8	0.72
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	8	0.72
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	8	0.72
(2,2541)	1:238:A:VAL:HG21	1:238:B:VAL:HG21	7	0.72
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	17	0.72
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	16	0.72
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	18	0.72
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	20	0.72
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD22	12	0.72
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD13	18	0.72
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	1	0.72
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	5	0.72
(2,1395)	1:202:A:VAL:HG12	1:198:A:GLN:HE22	16	0.72
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	4	0.72
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	14	0.72
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	16	0.72
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	15	0.72
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	6	0.72
(2,1189)	1:213:A:GLU:HG3	1:212:A:LYS:HB2	6	0.72
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	5	0.72
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	9	0.72
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	15	0.72
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	12	0.72
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	13	0.72
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	1	0.72
(2,840)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	11	0.72
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	7	0.72
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG21	4	0.72
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	19	0.72
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	10	0.72
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	16	0.72
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	2	0.72
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	18	0.72
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	16	0.72
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	15	0.72
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	15	0.72
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	13	0.72
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	4	0.72
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	10	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	2	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	5	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	7	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	13	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	14	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	17	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	18	0.72
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	20	0.72
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	9	0.72
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	6	0.72
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	1	0.72
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	1	0.72
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	1	0.72
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	17	0.72
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	20	0.72
(1,579)	1:238:A:VAL:HG22	1:236:A:ASP:HA	18	0.72
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	5	0.72
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	16	0.72
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	4	0.72
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	7	0.72
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	9	0.72
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	13	0.72
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	8	0.72
(1,457)	1:200:A:VAL:HG13	1:201:A:LYS:HB2	9	0.72
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	12	0.72
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	18	0.72
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	1	0.72
(1,432)	1:200:A:VAL:HG13	1:202:A:VAL:H	2	0.72
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	14	0.72
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD11	5	0.72
(1,328)	1:238:A:VAL:HG13	1:240:A:GLN:HE21	19	0.72
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	14	0.72
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	14	0.72
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	11	0.72
(1,196)	1:209:A:ASP:HA	1:210:A:LEU:HB2	1	0.72
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	2	0.72
(1,141)	1:240:A:GLN:HA	1:239:A:LEU:HD12	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	12	0.72
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG22	1	0.72
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG23	4	0.72
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG23	6	0.72
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG23	13	0.72
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD11	8	0.72
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	18	0.71
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	18	0.71
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	18	0.71
(2,2455)	1:203:A:LEU:HD11	1:204:B:LYS:H	17	0.71
(2,2381)	1:214:A:ARG:HD3	1:217:B:TYR:HE1	19	0.71
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	8	0.71
(2,2331)	1:225:A:GLU:H	1:229:A:GLN:HG2	7	0.71
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	4	0.71
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	15	0.71
(2,1770)	1:242:A:ILE:HD12	1:239:A:LEU:HD11	19	0.71
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	12	0.71
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	17	0.71
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	13	0.71
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	20	0.71
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	1	0.71
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	2	0.71
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	1	0.71
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	4	0.71
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	6	0.71
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	7	0.71
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	17	0.71
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	19	0.71
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	4	0.71
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	8	0.71
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	15	0.71
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	17	0.71
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD22	12	0.71
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	20	0.71
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD13	7	0.71
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD12	15	0.71
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	2	0.71
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	11	0.71
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	8	0.71
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	18	0.71
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	10	0.71
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	14	0.71
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	3	0.71
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	18	0.71
(2,842)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	20	0.71
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	1	0.71
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	10	0.71
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	4	0.71
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	16	0.71
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	13	0.71
(2,713)	1:209:A:ASP:HA	1:212:A:LYS:HB2	6	0.71
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG22	7	0.71
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG22	8	0.71
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	5	0.71
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	17	0.71
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB2	9	0.71
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	12	0.71
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	18	0.71
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	6	0.71
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	12	0.71
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	13	0.71
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG21	10	0.71
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG22	20	0.71
(2,85)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	9	0.71
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	3	0.71
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	5	0.71
(2,28)	1:198:A:GLN:HA	1:201:A:LYS:HB2	19	0.71
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	8	0.71
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	8	0.71
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	19	0.71
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	19	0.71
(1,1134)	1:247:A:TYR:HE1	2:5479:C:ILE:HG12	20	0.71
(1,1134)	1:247:A:TYR:HE2	2:5479:C:ILE:HG12	20	0.71
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	5	0.71
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	8	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	1	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	6	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	8	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	9	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	10	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	11	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	12	0.71
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	19	0.71
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	19	0.71
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	12	0.71
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	13	0.71
(1,702)	1:236:A:ASP:H	1:240:A:GLN:HB3	8	0.71
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	10	0.71
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD22	17	0.71
(1,551)	1:196:A:LEU:HD13	1:199:B:GLN:H	20	0.71
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD11	20	0.71
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	13	0.71
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG13	19	0.71
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	9	0.71
(1,492)	1:202:A:VAL:HG23	1:201:A:LYS:HB3	13	0.71
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	1	0.71
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	5	0.71
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD21	14	0.71
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	17	0.71
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	17	0.71
(1,373)	1:226:A:LEU:HD12	2:5476:C:PRO:HD2	17	0.71
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	20	0.71
(1,328)	1:238:A:VAL:HG13	1:240:A:GLN:HE21	8	0.71
(1,310)	1:239:A:LEU:HD23	1:234:A:GLU:HB2	1	0.71
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	2	0.71
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	4	0.71
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	8	0.71
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	16	0.71
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG22	10	0.71
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	18	0.71
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG21	11	0.71
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	2	0.71
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	6	0.71
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	14	0.71
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG23	14	0.71
(2,2668)	1:203:A:LEU:HD21	1:204:B:LYS:HG2	12	0.7
(2,2668)	1:203:A:LEU:HD22	1:204:B:LYS:HG2	12	0.7
(2,2668)	1:203:A:LEU:HD23	1:204:B:LYS:HG2	12	0.7
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	11	0.7
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	11	0.7
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	11	0.7
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	11	0.7
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	11	0.7
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	11	0.7
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	11	0.7
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	11	0.7
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	10	0.7
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	10	0.7
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	10	0.7
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	18	0.7
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	18	0.7
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	18	0.7
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	18	0.7
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	18	0.7
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	18	0.7
(2,2455)	1:203:A:LEU:HD11	1:204:B:LYS:H	5	0.7
(2,2434)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	6	0.7
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	9	0.7
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	17	0.7
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD22	6	0.7
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	11	0.7
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	15	0.7
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	16	0.7
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	17	0.7
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB3	9	0.7
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	5	0.7
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	10	0.7
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	7	0.7
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	9	0.7
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	12	0.7
(2,1395)	1:202:A:VAL:HG12	1:198:A:GLN:HE22	19	0.7
(2,1390)	1:202:A:VAL:HG11	1:206:A:THR:H	15	0.7
(2,1390)	1:202:A:VAL:HG11	1:206:A:THR:H	20	0.7
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	6	0.7
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	4	0.7
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	15	0.7
(2,1312)	1:204:A:LYS:HE2	1:204:A:LYS:H	14	0.7
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	6	0.7
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	9	0.7
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	5	0.7
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	9	0.7
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	1	0.7
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	13	0.7
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	15	0.7
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	5	0.7
(2,844)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	12	0.7
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	7	0.7
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	15	0.7
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG21	9	0.7
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	6	0.7
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD11	9	0.7
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD22	19	0.7
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	5	0.7
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	15	0.7
(1,1116)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	10	0.7
(1,1116)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	10	0.7
(1,1116)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	10	0.7
(1,1115)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	9	0.7
(1,1115)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	9	0.7
(1,1115)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	9	0.7
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	7	0.7
(1,981)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD3	20	0.7
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	4	0.7
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	20	0.7
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	1	0.7
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	7	0.7
(1,890)	2:5476:C:PRO:HD2	2:5476:C:PRO:HD3	3	0.7
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	15	0.7
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	1	0.7
(1,632)	1:238:A:VAL:HB	1:239:A:LEU:HB2	18	0.7
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	18	0.7
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	13	0.7
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	8	0.7
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	18	0.7
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	13	0.7
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	20	0.7
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	4	0.7
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	13	0.7
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD21	2	0.7
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	3	0.7
(1,465)	1:203:A:LEU:HD22	1:207:B:VAL:H	13	0.7
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	1	0.7
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	15	0.7
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	8	0.7
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	17	0.7
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:238:A:VAL:HG12	1:240:A:GLN:HE21	7	0.7
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	8	0.7
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	9	0.7
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	17	0.7
(1,221)	1:228:A:CYS:H	1:242:A:ILE:HD11	15	0.7
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	7	0.7
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	10	0.7
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	12	0.7
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG21	8	0.7
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	17	0.7
(1,38)	1:242:A:ILE:HD12	1:224:A:ILE:HG23	8	0.7
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	4	0.69
(2,2460)	1:248:A:ALA:HB1	1:220:B:LYS:HE3	7	0.69
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	15	0.69
(2,2455)	1:203:A:LEU:HD11	1:204:B:LYS:H	16	0.69
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	20	0.69
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	13	0.69
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	18	0.69
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	2	0.69
(2,1638)	1:191:A:ASP:HB2	1:192:A:GLU:HB2	17	0.69
(2,1620)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	14	0.69
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	7	0.69
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB1	12	0.69
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB2	12	0.69
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	2	0.69
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	8	0.69
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	1	0.69
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	3	0.69
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	4	0.69
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	8	0.69
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	3	0.69
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	10	0.69
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	14	0.69
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	9	0.69
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	12	0.69
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG12	14	0.69
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	17	0.69
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	19	0.69
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD11	11	0.69
(2,1312)	1:204:A:LYS:HE2	1:204:A:LYS:H	17	0.69
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	3	0.69
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1235)	1:206:A:THR:HA	1:210:A:LEU:HD13	7	0.69
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	2	0.69
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG21	5	0.69
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	18	0.69
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	19	0.69
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	4	0.69
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	13	0.69
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	10	0.69
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	20	0.69
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	5	0.69
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	4	0.69
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	4	0.69
(2,819)	1:255:A:ILE:HG23	1:256:A:PRO:HB3	2	0.69
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	14	0.69
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG22	2	0.69
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	7	0.69
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	8	0.69
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	10	0.69
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	14	0.69
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	13	0.69
(2,185)	1:238:A:VAL:HG23	1:239:B:LEU:HD21	11	0.69
(2,185)	1:238:A:VAL:HG23	1:239:B:LEU:HD22	17	0.69
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	16	0.69
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	19	0.69
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	2	0.69
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	16	0.69
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	20	0.69
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	4	0.69
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	7	0.69
(1,823)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	2	0.69
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	15	0.69
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	15	0.69
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	15	0.69
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	20	0.69
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	20	0.69
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	7	0.69
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	7	0.69
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	17	0.69
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	17	0.69
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	19	0.69
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	19	0.69
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	20	0.69
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	19	0.69
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	15	0.69
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	20	0.69
(1,511)	1:200:A:VAL:HG22	1:199:B:GLN:HG2	13	0.69
(1,504)	1:201:A:LYS:HD2	1:197:A:MET:H	15	0.69
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	19	0.69
(1,465)	1:203:A:LEU:HD21	1:207:B:VAL:H	12	0.69
(1,393)	1:221:A:LEU:HD13	1:220:B:LYS:HA	12	0.69
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD12	14	0.69
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	2	0.69
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	13	0.69
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	14	0.69
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	4	0.69
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	13	0.69
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	7	0.69
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	17	0.69
(1,237)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	9	0.69
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	2	0.69
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	10	0.69
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	17	0.69
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG21	5	0.69
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG23	16	0.69
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	4	0.69
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	4	0.69
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	3	0.69
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	15	0.68
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	15	0.68
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	15	0.68
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	15	0.68
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	15	0.68
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	15	0.68
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	15	0.68
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	15	0.68
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	15	0.68
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	9	0.68
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	9	0.68
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	9	0.68
(2,2553)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	16	0.68
(2,2511)	1:210:A:LEU:HD22	1:210:B:LEU:HB3	7	0.68
(2,2381)	1:214:A:ARG:HD3	1:217:B:TYR:HE1	18	0.68
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	10	0.68
(2,1976)	1:232:A:GLU:H	1:232:A:GLU:HG2	12	0.68
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	4	0.68
(2,1619)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	12	0.68
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	6	0.68
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	17	0.68
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	3	0.68
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	18	0.68
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	11	0.68
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	13	0.68
(2,1383)	1:202:A:VAL:HG11	1:198:A:GLN:HG2	14	0.68
(2,1383)	1:202:A:VAL:HG13	1:198:A:GLN:HG2	19	0.68
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	14	0.68
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG22	20	0.68
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	9	0.68
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	14	0.68
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	13	0.68
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD12	20	0.68
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	15	0.68
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	11	0.68
(2,844)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	5	0.68
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	11	0.68
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	3	0.68
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	5	0.68
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	8	0.68
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG22	16	0.68
(2,424)	1:224:A:ILE:HG22	1:227:A:ILE:HG21	19	0.68
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG12	13	0.68
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	3	0.68
(2,276)	1:200:A:VAL:HG12	1:196:B:LEU:HB2	15	0.68
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	13	0.68
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	15	0.68
(2,122)	1:246:A:LEU:HD11	1:242:A:ILE:HD13	3	0.68
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	13	0.68
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	14	0.68
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	18	0.68
(2,78)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	3	0.68
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	16	0.68
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	1	0.68
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG23	4	0.68
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	17	0.68
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	8	0.68
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	15	0.68
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	15	0.68
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	10	0.68
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	1	0.68
(1,962)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	20	0.68
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	10	0.68
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	8	0.68
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	9	0.68
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	16	0.68
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	17	0.68
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	19	0.68
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	15	0.68
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	2	0.68
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	10	0.68
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	10	0.68
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	5	0.68
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	7	0.68
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	3	0.68
(1,582)	1:241:A:ARG:HG2	1:244:A:ASP:HB3	16	0.68
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD21	4	0.68
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	13	0.68
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD11	3	0.68
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	2	0.68
(1,383)	1:224:A:ILE:HD12	1:242:B:ILE:HA	10	0.68
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	12	0.68
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	19	0.68
(1,313)	1:239:A:LEU:HD12	1:231:A:ASN:HB3	16	0.68
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	17	0.68
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	5	0.68
(1,112)	1:200:A:VAL:HG12	1:200:A:VAL:HG23	15	0.68
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG21	20	0.68
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG21	7	0.68
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD23	20	0.68
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	20	0.67
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	20	0.67
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	20	0.67
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	20	0.67
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	20	0.67
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	20	0.67
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	6	0.67
(2,2454)	1:203:A:LEU:HD11	1:204:B:LYS:HA	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	17	0.67
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	16	0.67
(2,2434)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	7	0.67
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	7	0.67
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	1	0.67
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	7	0.67
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	10	0.67
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD22	12	0.67
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	13	0.67
(2,1839)	1:198:A:GLN:HE21	1:201:A:LYS:HD2	3	0.67
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	11	0.67
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB2	9	0.67
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	10	0.67
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	19	0.67
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	8	0.67
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	6	0.67
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	7	0.67
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	17	0.67
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	10	0.67
(2,1384)	1:202:A:VAL:HG11	1:199:A:GLN:HG3	11	0.67
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	9	0.67
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD22	20	0.67
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	4	0.67
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	10	0.67
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	12	0.67
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD12	13	0.67
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	10	0.67
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	16	0.67
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	8	0.67
(2,1148)	1:246:A:LEU:H	1:224:A:ILE:HG23	19	0.67
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	9	0.67
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD13	16	0.67
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	5	0.67
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	5	0.67
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	8	0.67
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	18	0.67
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	14	0.67
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	18	0.67
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	5	0.67
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	16	0.67
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	18	0.67
(2,455)	1:191:A:ASP:HB2	1:194:A:ALA:HB2	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG22	3	0.67
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB3	20	0.67
(2,225)	1:226:A:LEU:HD11	1:222:A:ARG:HD3	8	0.67
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD12	16	0.67
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG22	4	0.67
(2,136)	1:245:A:ILE:HD11	1:227:B:ILE:HG23	8	0.67
(2,109)	1:206:A:THR:HG21	1:210:A:LEU:HG	11	0.67
(2,95)	1:255:A:ILE:HD11	1:250:A:ASP:HA	15	0.67
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	2	0.67
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	6	0.67
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	11	0.67
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	10	0.67
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	10	0.67
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	7	0.67
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	7	0.67
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	7	0.67
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	5	0.67
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	5	0.67
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	5	0.67
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	20	0.67
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	20	0.67
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	20	0.67
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	9	0.67
(1,983)	2:5475:C:LYS:HB2	2:5475:C:LYS:HD2	14	0.67
(1,981)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD3	14	0.67
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	20	0.67
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	20	0.67
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	20	0.67
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	10	0.67
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	15	0.67
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	20	0.67
(1,830)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	17	0.67
(1,823)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	15	0.67
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	13	0.67
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	13	0.67
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	13	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	1	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	1	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	1	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	2	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	2	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	3	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	3	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	3	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	5	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	5	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	5	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	6	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	6	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	6	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	9	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	9	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	9	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	11	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	11	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	11	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	12	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	12	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	12	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	13	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	13	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	13	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	15	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	15	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	15	0.67
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	19	0.67
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	19	0.67
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	19	0.67
(1,739)	1:225:A:GLU:H	1:229:A:GLN:HB2	3	0.67
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG11	12	0.67
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	12	0.67
(1,492)	1:202:A:VAL:HG23	1:201:A:LYS:HB3	9	0.67
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD22	1	0.67
(1,472)	1:196:A:LEU:HD21	1:193:A:ALA:HA	16	0.67
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	18	0.67
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	19	0.67
(1,369)	1:228:A:CYS:H	1:227:A:ILE:HD11	4	0.67
(1,326)	1:238:A:VAL:HG12	1:239:A:LEU:HA	12	0.67
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	10	0.67
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG21	17	0.67
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	15	0.67
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	20	0.67
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD13	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	11	0.67
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	5	0.67
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG21	20	0.67
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	1	0.67
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	15	0.67
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	19	0.67
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	18	0.67
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG23	11	0.67
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG22	19	0.67
(1,38)	1:242:A:ILE:HD11	1:224:A:ILE:HG21	20	0.67
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD13	20	0.67
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	7	0.66
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	7	0.66
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	7	0.66
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	8	0.66
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	8	0.66
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	8	0.66
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	7	0.66
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	7	0.66
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	7	0.66
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	7	0.66
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	7	0.66
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	7	0.66
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	7	0.66
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	7	0.66
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	7	0.66
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	12	0.66
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	12	0.66
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	12	0.66
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	12	0.66
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	12	0.66
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	12	0.66
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	12	0.66
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	12	0.66
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	12	0.66
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	16	0.66
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	16	0.66
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	16	0.66
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	16	0.66
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	16	0.66
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	16	0.66
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	16	0.66
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	16	0.66
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	19	0.66
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	19	0.66
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	19	0.66
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	15	0.66
(2,2367)	1:207:A:VAL:HG13	1:206:B:THR:HB	3	0.66
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	12	0.66
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	2	0.66
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	11	0.66
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	12	0.66
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	19	0.66
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	20	0.66
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	19	0.66
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	6	0.66
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	14	0.66
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	14	0.66
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	2	0.66
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	13	0.66
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	16	0.66
(2,1395)	1:202:A:VAL:HG11	1:198:A:GLN:HE22	18	0.66
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	8	0.66
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	11	0.66
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	12	0.66
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	15	0.66
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	2	0.66
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	8	0.66
(2,1325)	1:204:A:LYS:HB3	1:203:B:LEU:HD11	16	0.66
(2,1312)	1:204:A:LYS:HE2	1:204:A:LYS:H	5	0.66
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	20	0.66
(2,1196)	1:212:A:LYS:H	1:212:A:LYS:HG3	6	0.66
(2,1136)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	10	0.66
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	6	0.66
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	15	0.66
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	14	0.66
(2,867)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	14	0.66
(2,819)	1:255:A:ILE:HG23	1:256:A:PRO:HB3	1	0.66
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	5	0.66
(2,819)	1:255:A:ILE:HG23	1:256:A:PRO:HB3	16	0.66
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	13	0.66
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	15	0.66
(2,455)	1:191:A:ASP:HB2	1:194:A:ALA:HB3	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:239:A:LEU:HD22	1:232:A:GLU:HB2	3	0.66
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	2	0.66
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	9	0.66
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	16	0.66
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	11	0.66
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	20	0.66
(2,304)	1:207:A:VAL:HG23	1:204:A:LYS:HD2	16	0.66
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD21	19	0.66
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	9	0.66
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	1	0.66
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	1	0.66
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	1	0.66
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	19	0.66
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	1	0.66
(1,841)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD3	5	0.66
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	2	0.66
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	3	0.66
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	18	0.66
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	18	0.66
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	18	0.66
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	19	0.66
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	19	0.66
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	19	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	4	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	4	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	4	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	7	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	7	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	7	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	8	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	8	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	8	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	10	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	10	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	10	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	14	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	14	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	14	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	16	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	16	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	16	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	17	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	17	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	18	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	18	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	18	0.66
(1,812)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG12	20	0.66
(1,812)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG12	20	0.66
(1,812)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG12	20	0.66
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	17	0.66
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	17	0.66
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	8	0.66
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG23	4	0.66
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	1	0.66
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD11	9	0.66
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	14	0.66
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	11	0.66
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	5	0.66
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD11	4	0.66
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD11	12	0.66
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	17	0.66
(1,383)	1:224:A:ILE:HD12	1:242:B:ILE:HA	5	0.66
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	15	0.66
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	19	0.66
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	5	0.66
(1,214)	1:206:A:THR:HB	1:209:A:ASP:HB2	6	0.66
(1,210)	1:206:A:THR:HA	1:207:A:VAL:HB	8	0.66
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD11	4	0.66
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD11	12	0.66
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG22	6	0.66
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	9	0.66
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	15	0.66
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	20	0.66
(1,52)	1:210:A:LEU:HD13	1:207:B:VAL:HG21	7	0.66
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	20	0.66
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	6	0.65
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	6	0.65
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	6	0.65
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	10	0.65
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	10	0.65
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	10	0.65
(2,2367)	1:207:A:VAL:HG13	1:206:B:THR:HB	19	0.65
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	17	0.65
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD22	5	0.65
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	15	0.65
(2,1770)	1:242:A:ILE:HD11	1:239:A:LEU:HD11	11	0.65
(2,1685)	1:218:A:PHE:HB3	1:217:B:TYR:HD2	18	0.65
(2,1652)	1:194:A:ALA:HB3	1:193:A:ALA:HA	9	0.65
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	12	0.65
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	18	0.65
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	1	0.65
(2,1542)	1:197:A:MET:H	1:194:A:ALA:HB3	15	0.65
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB2	13	0.65
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	5	0.65
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	3	0.65
(2,1482)	1:199:A:GLN:H	1:198:A:GLN:HB2	19	0.65
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	20	0.65
(2,1417)	1:201:A:LYS:H	1:201:A:LYS:HD2	14	0.65
(2,1417)	1:201:A:LYS:H	1:201:A:LYS:HD2	17	0.65
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	1	0.65
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	6	0.65
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	1	0.65
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	8	0.65
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	1	0.65
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	2	0.65
(2,1196)	1:212:A:LYS:H	1:212:A:LYS:HG3	1	0.65
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG23	12	0.65
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	8	0.65
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	13	0.65
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	5	0.65
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	18	0.65
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	16	0.65
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	19	0.65
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	13	0.65
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB1	12	0.65
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	6	0.65
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	17	0.65
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG23	13	0.65
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG12	9	0.65
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG12	12	0.65
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	10	0.65
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE1	13	0.65
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD22	12	0.65
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG13	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	20	0.65
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG21	11	0.65
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	6	0.65
(2,108)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	3	0.65
(2,107)	1:206:A:THR:HG23	1:209:A:ASP:HB2	11	0.65
(2,91)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	12	0.65
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	8	0.65
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	8	0.65
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	11	0.65
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	10	0.65
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	8	0.65
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	8	0.65
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	11	0.65
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	11	0.65
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	11	0.65
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	11	0.65
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	11	0.65
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	11	0.65
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	11	0.65
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	11	0.65
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	11	0.65
(1,862)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	4	0.65
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	14	0.65
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	17	0.65
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	17	0.65
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	17	0.65
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG22	7	0.65
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	14	0.65
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	11	0.65
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	19	0.65
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	18	0.65
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG13	9	0.65
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG13	2	0.65
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	6	0.65
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	17	0.65
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	17	0.65
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	14	0.65
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	20	0.65
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	6	0.65
(1,432)	1:200:A:VAL:HG13	1:202:A:VAL:H	10	0.65
(1,409)	1:210:A:LEU:HD11	1:213:A:GLU:HB2	7	0.65
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG21	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:238:A:VAL:HG12	1:239:A:LEU:HA	10	0.65
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	5	0.65
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	18	0.65
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	10	0.65
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	7	0.65
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	1	0.65
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	8	0.65
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG21	6	0.65
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	14	0.65
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	20	0.65
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	11	0.64
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	11	0.64
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	11	0.64
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	19	0.64
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	19	0.64
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	19	0.64
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	5	0.64
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	5	0.64
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	5	0.64
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	5	0.64
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	5	0.64
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	5	0.64
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	5	0.64
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	5	0.64
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	5	0.64
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	1	0.64
(2,2460)	1:248:A:ALA:HB2	1:220:B:LYS:HE3	19	0.64
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	6	0.64
(2,2455)	1:203:A:LEU:HD11	1:204:B:LYS:H	11	0.64
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	19	0.64
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	3	0.64
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	6	0.64
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB2	3	0.64
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	7	0.64
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	2	0.64
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	6	0.64
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	13	0.64
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	10	0.64
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	7	0.64
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	13	0.64
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	20	0.64
(2,1620)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	12	0.64
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	4	0.64
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	1	0.64
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	6	0.64
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	14	0.64
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	20	0.64
(2,1395)	1:202:A:VAL:HG13	1:198:A:GLN:HE22	13	0.64
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	4	0.64
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG23	8	0.64
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	10	0.64
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	18	0.64
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	19	0.64
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG13	18	0.64
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	15	0.64
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD11	18	0.64
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD12	7	0.64
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	18	0.64
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	3	0.64
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	17	0.64
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD23	14	0.64
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	15	0.64
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	8	0.64
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	4	0.64
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	1	0.64
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	9	0.64
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	15	0.64
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	12	0.64
(2,703)	1:210:A:LEU:HD22	1:211:B:GLU:H	10	0.64
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	15	0.64
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	1	0.64
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	6	0.64
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	8	0.64
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	7	0.64
(2,276)	1:200:A:VAL:HG12	1:196:B:LEU:HB2	9	0.64
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	1	0.64
(2,109)	1:206:A:THR:HG21	1:210:A:LEU:HG	2	0.64
(2,109)	1:206:A:THR:HG21	1:210:A:LEU:HG	12	0.64
(2,109)	1:206:A:THR:HG21	1:210:A:LEU:HG	14	0.64
(2,95)	1:255:A:ILE:HD11	1:250:A:ASP:HA	6	0.64
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	12	0.64
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	1	0.64
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	19	0.64
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	19	0.64
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	19	0.64
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	19	0.64
(1,852)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	2	0.64
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	5	0.64
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	11	0.64
(1,833)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD2	18	0.64
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	2	0.64
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	2	0.64
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	2	0.64
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	1	0.64
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	1	0.64
(1,702)	1:236:A:ASP:H	1:240:A:GLN:HB3	20	0.64
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	15	0.64
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	19	0.64
(1,579)	1:238:A:VAL:HG21	1:231:B:ASN:HA	15	0.64
(1,579)	1:238:A:VAL:HG22	1:236:A:ASP:HA	17	0.64
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	4	0.64
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	11	0.64
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	12	0.64
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	14	0.64
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	14	0.64
(1,495)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	10	0.64
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD22	2	0.64
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	10	0.64
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	16	0.64
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	19	0.64
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	20	0.64
(1,428)	1:200:A:VAL:HG13	1:201:A:LYS:HG2	15	0.64
(1,414)	1:210:A:LEU:HD11	1:207:B:VAL:HG22	2	0.64
(1,383)	1:224:A:ILE:HD12	1:242:B:ILE:HA	20	0.64
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	4	0.64
(1,354)	1:225:A:GLU:HB2	1:224:A:ILE:HB	18	0.64
(1,326)	1:238:A:VAL:HG12	1:239:A:LEU:HA	1	0.64
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	9	0.64
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	11	0.64
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	5	0.64
(1,298)	1:239:A:LEU:HG	1:243:A:VAL:H	16	0.64
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	12	0.64
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	3	0.64
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	11	0.64
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	7	0.64
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	20	0.64
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG21	1	0.64
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG23	4	0.64
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG21	14	0.64
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG23	18	0.64
(1,96)	1:204:A:LYS:HE2	1:200:A:VAL:HG22	5	0.64
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	6	0.64
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	11	0.64
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	12	0.64
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	15	0.64
(2,2668)	1:203:A:LEU:HD21	1:204:B:LYS:HG2	13	0.63
(2,2668)	1:203:A:LEU:HD22	1:204:B:LYS:HG2	13	0.63
(2,2668)	1:203:A:LEU:HD23	1:204:B:LYS:HG2	13	0.63
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	13	0.63
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	13	0.63
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	13	0.63
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	13	0.63
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	13	0.63
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	13	0.63
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	13	0.63
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	13	0.63
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	13	0.63
(2,2622)	1:224:A:ILE:HD11	1:221:B:LEU:HB3	3	0.63
(2,2622)	1:224:A:ILE:HD12	1:221:B:LEU:HB3	3	0.63
(2,2622)	1:224:A:ILE:HD13	1:221:B:LEU:HB3	3	0.63
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG21	12	0.63
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	8	0.63
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	18	0.63
(2,2369)	1:210:A:LEU:HD22	1:211:B:GLU:H	10	0.63
(2,2367)	1:207:A:VAL:HG13	1:206:B:THR:HB	2	0.63
(2,2367)	1:207:A:VAL:HG12	1:206:B:THR:HB	4	0.63
(2,2367)	1:207:A:VAL:HG11	1:206:B:THR:HB	11	0.63
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	7	0.63
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	10	0.63
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	13	0.63
(2,2064)	1:251:A:GLU:H	1:251:A:GLU:HB2	18	0.63
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	17	0.63
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	4	0.63
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	15	0.63
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	14	0.63
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	20	0.63
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	8	0.63
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	3	0.63
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	19	0.63
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	2	0.63
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	10	0.63
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	14	0.63
(2,1620)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	2	0.63
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	12	0.63
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	7	0.63
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	18	0.63
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	4	0.63
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD22	17	0.63
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	15	0.63
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	3	0.63
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	3	0.63
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	6	0.63
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	11	0.63
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	4	0.63
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	1	0.63
(2,1136)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	20	0.63
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	9	0.63
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	9	0.63
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	17	0.63
(2,844)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	6	0.63
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	13	0.63
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	18	0.63
(2,819)	1:255:A:ILE:HG23	1:256:A:PRO:HB3	6	0.63
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	9	0.63
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	11	0.63
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	11	0.63
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	5	0.63
(2,439)	1:239:A:LEU:HD21	1:232:A:GLU:HB2	13	0.63
(2,424)	1:224:A:ILE:HG23	1:227:A:ILE:HG22	5	0.63
(2,424)	1:224:A:ILE:HG21	1:227:A:ILE:HG21	20	0.63
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	1	0.63
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB3	15	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	2	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	5	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	9	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	11	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	13	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	15	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	16	0.63
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	20	0.63
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	2	0.63
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	18	0.63
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	20	0.63
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	1	0.63
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD12	14	0.63
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG22	14	0.63
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG22	16	0.63
(2,109)	1:206:A:THR:HG21	1:210:A:LEU:HG	16	0.63
(2,109)	1:206:A:THR:HG22	1:210:A:LEU:HG	17	0.63
(2,69)	1:242:A:ILE:HD13	1:227:B:ILE:HB	7	0.63
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	11	0.63
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	15	0.63
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	12	0.63
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	12	0.63
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	12	0.63
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	16	0.63
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	16	0.63
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD21	12	0.63
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	8	0.63
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	10	0.63
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	8	0.63
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG22	16	0.63
(1,516)	1:207:A:VAL:HG22	1:211:A:GLU:H	1	0.63
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	20	0.63
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	8	0.63
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	8	0.63
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	14	0.63
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	1	0.63
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	7	0.63
(1,465)	1:203:A:LEU:HD23	1:207:B:VAL:H	9	0.63
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	9	0.63
(1,326)	1:238:A:VAL:HG13	1:239:A:LEU:HA	8	0.63
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	17	0.63
(1,310)	1:239:A:LEU:HD21	1:234:A:GLU:HB2	13	0.63
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	15	0.63
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	19	0.63
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	6	0.63
(1,112)	1:200:A:VAL:HG12	1:200:A:VAL:HG23	2	0.63
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG22	3	0.63
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG21	7	0.63
(1,112)	1:200:A:VAL:HG12	1:200:A:VAL:HG23	9	0.63
(1,112)	1:200:A:VAL:HG12	1:200:A:VAL:HG23	10	0.63
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG21	12	0.63
(1,112)	1:200:A:VAL:HG12	1:200:A:VAL:HG23	19	0.63
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	5	0.63
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	17	0.63
(1,38)	1:242:A:ILE:HD13	1:224:A:ILE:HG23	3	0.63
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	4	0.63
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	4	0.62
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	4	0.62
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	4	0.62
(2,2541)	1:238:A:VAL:HG22	1:238:B:VAL:HG22	18	0.62
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	5	0.62
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	18	0.62
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	8	0.62
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	8	0.62
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	12	0.62
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	2	0.62
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	2	0.62
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	10	0.62
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	14	0.62
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	6	0.62
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	11	0.62
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	13	0.62
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	16	0.62
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	18	0.62
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	19	0.62
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	2	0.62
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	1	0.62
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	17	0.62
(2,1620)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	7	0.62
(2,1620)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	20	0.62
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	2	0.62
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	4	0.62
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	16	0.62
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	11	0.62
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	20	0.62
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	1	0.62
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG23	11	0.62
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD12	2	0.62
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	2	0.62
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	2	0.62
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	7	0.62
(2,919)	1:245:A:ILE:HG21	1:223:B:ASN:HA	19	0.62
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	13	0.62
(2,833)	1:255:A:ILE:HD13	2:5480:C:PRO:HB2	18	0.62
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	7	0.62
(2,820)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	3	0.62
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	12	0.62
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	9	0.62
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	5	0.62
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	13	0.62
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	17	0.62
(2,510)	1:256:A:PRO:HA	1:254:A:VAL:HG22	5	0.62
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	11	0.62
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	12	0.62
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	15	0.62
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG12	20	0.62
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	7	0.62
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	12	0.62
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	18	0.62
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG13	10	0.62
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG13	16	0.62
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	5	0.62
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	12	0.62
(2,263)	1:212:A:LYS:HD2	1:212:A:LYS:HB2	14	0.62
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	11	0.62
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	9	0.62
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	13	0.62
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	14	0.62
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	16	0.62
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	19	0.62
(2,136)	1:245:A:ILE:HD11	1:227:B:ILE:HG23	7	0.62
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD13	18	0.62
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD13	19	0.62
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	3	0.62
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD13	15	0.62
(2,28)	1:198:A:GLN:HA	1:201:A:LYS:HB2	4	0.62
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	16	0.62
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	9	0.62
(1,852)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	15	0.62
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	8	0.62
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	17	0.62
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	8	0.62
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	8	0.62
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	8	0.62
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	9	0.62
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	9	0.62
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	9	0.62
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	10	0.62
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	10	0.62
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	18	0.62
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	18	0.62
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	14	0.62
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	12	0.62
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	4	0.62
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	6	0.62
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	14	0.62
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	7	0.62
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	12	0.62
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	5	0.62
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	19	0.62
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	6	0.62
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	19	0.62
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	4	0.62
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	4	0.62
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	14	0.62
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	9	0.62
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	4	0.62
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	15	0.62
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG22	12	0.62
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	16	0.62
(1,112)	1:200:A:VAL:HG11	1:200:A:VAL:HG22	13	0.62
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG23	17	0.62
(1,96)	1:204:A:LYS:HE2	1:200:A:VAL:HG22	14	0.62
(1,96)	1:204:A:LYS:HE2	1:200:A:VAL:HG21	17	0.62
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	17	0.61
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	17	0.61
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	17	0.61
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	17	0.61
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	17	0.61
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	17	0.61
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	17	0.61
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	17	0.61
(2,2459)	1:221:A:LEU:HD22	1:217:B:TYR:HB2	18	0.61
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	1	0.61
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	7	0.61
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	10	0.61
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	4	0.61
(2,2376)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	1	0.61
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	8	0.61
(2,2064)	1:251:A:GLU:H	1:251:A:GLU:HB2	20	0.61
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	16	0.61
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD22	18	0.61
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	13	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	1	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	2	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	5	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	7	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	9	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	10	0.61
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	12	0.61
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	13	0.61
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	9	0.61
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	17	0.61
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	7	0.61
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	6	0.61
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	8	0.61
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	15	0.61
(2,1652)	1:194:A:ALA:HB3	1:193:A:ALA:HA	16	0.61
(2,1652)	1:194:A:ALA:HB3	1:193:A:ALA:HA	19	0.61
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	12	0.61
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB2	20	0.61
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	18	0.61
(2,1417)	1:201:A:LYS:H	1:201:A:LYS:HD2	3	0.61
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD13	7	0.61
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	11	0.61
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD13	10	0.61
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	5	0.61
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	8	0.61
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	5	0.61
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	2	0.61
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	5	0.61
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	13	0.61
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	20	0.61
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	12	0.61
(2,994)	1:239:A:LEU:HD21	1:228:A:CYS:HB2	16	0.61
(2,875)	1:249:A:THR:HG23	1:216:B:PHE:HZ	11	0.61
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	12	0.61
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	14	0.61
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	17	0.61
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	2	0.61
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	15	0.61
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	8	0.61
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG13	1	0.61
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG11	7	0.61
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG12	15	0.61
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG22	9	0.61
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD11	14	0.61
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD11	5	0.61
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD12	11	0.61
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD22	6	0.61
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	7	0.61
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD23	8	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	1	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	4	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	6	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	7	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	10	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	11	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	12	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	15	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	17	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	18	0.61
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	20	0.61
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG22	17	0.61
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD11	9	0.61
(2,109)	1:206:A:THR:HG22	1:210:A:LEU:HG	5	0.61
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	9	0.61
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG22	13	0.61
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	5	0.61
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	1	0.61
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	4	0.61
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	12	0.61
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	7	0.61
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	8	0.61
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	4	0.61
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	13	0.61
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	9	0.61
(1,495)	1:202:A:VAL:HG13	1:201:A:LYS:HD2	2	0.61
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG22	14	0.61
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	7	0.61
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD21	17	0.61
(1,457)	1:200:A:VAL:HG13	1:201:A:LYS:HB2	19	0.61
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	7	0.61
(1,432)	1:200:A:VAL:HG13	1:202:A:VAL:H	9	0.61
(1,399)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	4	0.61
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	5	0.61
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	12	0.61
(1,361)	1:239:A:LEU:HD21	1:228:A:CYS:HB2	16	0.61
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	8	0.61
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	6	0.61
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG21	11	0.61
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD23	4	0.61
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	14	0.61
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	18	0.61
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	7	0.61
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	10	0.61
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	11	0.61
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	9	0.61
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	12	0.61
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	18	0.61
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	16	0.6
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	16	0.6
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	16	0.6
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	2	0.6
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	4	0.6
(2,2440)	1:249:A:THR:HG22	1:216:B:PHE:HZ	19	0.6
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	9	0.6
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	15	0.6
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	13	0.6
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	14	0.6
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	1	0.6
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB2	13	0.6
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	14	0.6
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	8	0.6
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	10	0.6
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB2	18	0.6
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	16	0.6
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	3	0.6
(2,1652)	1:194:A:ALA:HB2	1:193:A:ALA:HA	4	0.6
(2,1652)	1:194:A:ALA:HB3	1:193:A:ALA:HA	5	0.6
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	3	0.6
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	11	0.6
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	16	0.6
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD22	9	0.6
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD22	10	0.6
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	16	0.6
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	5	0.6
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	15	0.6
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	8	0.6
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	20	0.6
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	7	0.6
(2,1383)	1:202:A:VAL:HG12	1:198:A:GLN:HG2	18	0.6
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD11	17	0.6
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	4	0.6
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	19	0.6
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	2	0.6
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	6	0.6
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	15	0.6
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD22	17	0.6
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	20	0.6
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	6	0.6
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	12	0.6
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	3	0.6
(2,896)	1:246:A:LEU:HD13	1:242:A:ILE:HG12	13	0.6
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	3	0.6
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	5	0.6
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	13	0.6
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD13	16	0.6
(2,818)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	20	0.6
(2,703)	1:210:A:LEU:HD21	1:211:B:GLU:H	18	0.6
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	4	0.6
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	8	0.6
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	12	0.6
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	16	0.6
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	4	0.6
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB1	13	0.6
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB2	20	0.6
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB1	11	0.6
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	5	0.6
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG13	11	0.6
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG22	1	0.6
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG22	13	0.6
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	15	0.6
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD11	8	0.6
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	20	0.6
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	2	0.6
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	2	0.6
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	5	0.6
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD13	12	0.6
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD11	18	0.6
(2,110)	1:255:A:ILE:HG12	1:249:A:THR:HG21	13	0.6
(2,69)	1:242:A:ILE:HD13	1:227:B:ILE:HB	9	0.6
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	15	0.6
(2,69)	1:242:A:ILE:HD13	1:227:B:ILE:HB	20	0.6
(2,56)	1:208:A:GLU:HA	1:207:A:VAL:HG21	19	0.6
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	6	0.6
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	6	0.6
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	13	0.6
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	13	0.6
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	13	0.6
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	9	0.6
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	5	0.6
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	5	0.6
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	5	0.6
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	6	0.6
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	6	0.6
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	6	0.6
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	6	0.6
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	20	0.6
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	8	0.6
(1,903)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE3	20	0.6
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	2	0.6
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	10	0.6
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	10	0.6
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	10	0.6
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG11	15	0.6
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	13	0.6
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG23	5	0.6
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	16	0.6
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	17	0.6
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	2	0.6
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	12	0.6
(1,497)	1:202:A:VAL:HG12	1:198:A:GLN:H	4	0.6
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	16	0.6
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD22	7	0.6
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	12	0.6
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD12	13	0.6
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	17	0.6
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	3	0.6
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	20	0.6
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	10	0.6
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG13	10	0.6
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	19	0.6
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	2	0.6
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	16	0.6
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG21	2	0.6
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	11	0.6
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	3	0.6
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG22	9	0.6
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	11	0.6
(1,32)	1:242:A:ILE:HD12	1:227:A:ILE:HB	9	0.6
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD13	14	0.6
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	14	0.59
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	15	0.59
(2,2455)	1:203:A:LEU:HD13	1:204:B:LYS:H	3	0.59
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	14	0.59
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	17	0.59
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	7	0.59
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	12	0.59
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	6	0.59
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	9	0.59
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	20	0.59
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	2	0.59
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD11	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	1	0.59
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	8	0.59
(2,1432)	1:200:A:VAL:HG22	1:199:B:GLN:HE21	13	0.59
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	14	0.59
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD22	11	0.59
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	3	0.59
(2,1285)	1:202:A:VAL:H	1:205:A:LEU:HD12	7	0.59
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	9	0.59
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	4	0.59
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD13	20	0.59
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	16	0.59
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG23	20	0.59
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	8	0.59
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	10	0.59
(2,887)	1:246:A:LEU:HD23	1:222:A:ARG:HA	19	0.59
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG11	5	0.59
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	5	0.59
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	16	0.59
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	5	0.59
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	4	0.59
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	20	0.59
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	7	0.59
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	1	0.59
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	19	0.59
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	3	0.59
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG11	11	0.59
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB2	13	0.59
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	14	0.59
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG11	3	0.59
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG11	8	0.59
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG12	20	0.59
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD22	5	0.59
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD22	17	0.59
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	3	0.59
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	5	0.59
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	7	0.59
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD11	4	0.59
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD12	20	0.59
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD12	10	0.59
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD12	11	0.59
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD13	17	0.59
(2,120)	1:246:A:LEU:HD22	1:242:A:ILE:HD11	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	16	0.59
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG23	20	0.59
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	12	0.59
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	4	0.59
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	19	0.59
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	11	0.59
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	2	0.59
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	5	0.59
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	8	0.59
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	14	0.59
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	14	0.59
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	14	0.59
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	9	0.59
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	10	0.59
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	17	0.59
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	3	0.59
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	3	0.59
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	3	0.59
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	2	0.59
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	13	0.59
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	6	0.59
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	16	0.59
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	15	0.59
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	3	0.59
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	6	0.59
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	18	0.59
(1,495)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	1	0.59
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	10	0.59
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	10	0.59
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	2	0.59
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	11	0.59
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	1	0.59
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG11	11	0.59
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	11	0.59
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG22	13	0.59
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	4	0.59
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	14	0.59
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	18	0.59
(1,112)	1:200:A:VAL:HG13	1:200:A:VAL:HG21	5	0.59
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	1	0.59
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	6	0.59
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG23	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG22	8	0.59
(1,52)	1:210:A:LEU:HD12	1:207:B:VAL:HG22	15	0.59
(1,32)	1:242:A:ILE:HD11	1:227:A:ILE:HB	19	0.59
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	1	0.58
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	1	0.58
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	1	0.58
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	2	0.58
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	2	0.58
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	2	0.58
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	3	0.58
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	3	0.58
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	3	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	4	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	4	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	4	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	4	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	4	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	4	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	4	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	4	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	4	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	13	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	13	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	13	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	13	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	13	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	13	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	13	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	13	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	13	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	19	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	19	0.58
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	19	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	19	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	19	0.58
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	19	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	19	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	19	0.58
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	19	0.58
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	9	0.58
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	9	0.58
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	12	0.58
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	3	0.58
(2,2369)	1:210:A:LEU:HD21	1:211:B:GLU:H	18	0.58
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	1	0.58
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	2	0.58
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	15	0.58
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	15	0.58
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB2	12	0.58
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	18	0.58
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	19	0.58
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB3	2	0.58
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	20	0.58
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	1	0.58
(2,1723)	1:196:A:LEU:HD21	1:192:A:GLU:HG2	2	0.58
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	5	0.58
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	10	0.58
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	14	0.58
(2,1652)	1:194:A:ALA:HB1	1:193:A:ALA:HA	11	0.58
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	2	0.58
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	5	0.58
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	11	0.58
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	13	0.58
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD22	18	0.58
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	20	0.58
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	13	0.58
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	7	0.58
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	10	0.58
(2,1413)	1:201:A:LYS:HD2	1:197:A:MET:HG2	15	0.58
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	20	0.58
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG21	4	0.58
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD11	5	0.58
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	4	0.58
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	19	0.58
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	5	0.58
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	18	0.58
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG21	19	0.58
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	12	0.58
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	20	0.58
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	10	0.58
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	8	0.58
(2,844)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	16	0.58
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	19	0.58
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	1	0.58
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	5	0.58
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	11	0.58
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	12	0.58
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	17	0.58
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	20	0.58
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	3	0.58
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	6	0.58
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	9	0.58
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	11	0.58
(2,415)	1:192:A:GLU:HB2	1:193:A:ALA:HB3	14	0.58
(2,202)	1:230:A:GLU:HB3	1:230:A:GLU:HG3	8	0.58
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG12	9	0.58
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD13	1	0.58
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG21	1	0.58
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG23	2	0.58
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD12	1	0.58
(2,120)	1:246:A:LEU:HD22	1:242:A:ILE:HD12	12	0.58
(2,78)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	9	0.58
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	11	0.58
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD11	9	0.58
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	12	0.58
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	12	0.58
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	12	0.58
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	1	0.58
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	4	0.58
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	4	0.58
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	4	0.58
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	11	0.58
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	18	0.58
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	19	0.58
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	17	0.58
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	10	0.58
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	12	0.58
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	1	0.58
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	5	0.58
(1,637)	1:255:A:ILE:HD12	2:5478:C:LYS:HD3	15	0.58
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	19	0.58
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	14	0.58
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	4	0.58
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	8	0.58
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	10	0.58
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	4	0.58
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	12	0.58
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	18	0.58
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	2	0.58
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	14	0.58
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	19	0.58
(1,472)	1:196:A:LEU:HD22	1:193:A:ALA:HA	4	0.58
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	5	0.58
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	18	0.58
(1,427)	1:207:A:VAL:HG11	1:203:B:LEU:HG	8	0.58
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	6	0.58
(1,409)	1:210:A:LEU:HD11	1:213:A:GLU:HG3	18	0.58
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	2	0.58
(1,326)	1:238:A:VAL:HG12	1:239:A:LEU:HA	6	0.58
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	2	0.58
(1,308)	1:239:A:LEU:HD23	1:236:B:ASP:HB3	3	0.58
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	9	0.58
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	1	0.58
(1,281)	1:244:A:ASP:HB2	1:245:A:ILE:HB	18	0.58
(1,274)	1:244:A:ASP:HB3	1:241:A:ARG:HB3	20	0.58
(1,255)	1:246:A:LEU:HD11	2:5479:C:ILE:HG12	15	0.58
(1,237)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	2	0.58
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	16	0.58
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	14	0.58
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	20	0.58
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD11	9	0.58
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	15	0.58
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD23	17	0.58
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	3	0.58
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	9	0.58
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	20	0.58
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD23	16	0.58
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	5	0.58
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	12	0.58
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	2	0.58
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	8	0.58
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG22	13	0.58
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	18	0.58
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	2	0.58
(1,28)	1:248:A:ALA:HB3	1:246:A:LEU:HD22	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2455)	1:203:A:LEU:HD12	1:204:B:LYS:H	14	0.57
(2,2440)	1:249:A:THR:HG22	1:216:B:PHE:HZ	4	0.57
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	10	0.57
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	11	0.57
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	18	0.57
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	4	0.57
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	15	0.57
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	9	0.57
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	20	0.57
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD21	12	0.57
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	19	0.57
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	5	0.57
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	17	0.57
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	4	0.57
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	17	0.57
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	7	0.57
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG21	10	0.57
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG21	14	0.57
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	17	0.57
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	5	0.57
(2,1346)	1:203:A:LEU:HD22	1:204:B:LYS:HG3	17	0.57
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	2	0.57
(2,1196)	1:212:A:LYS:H	1:212:A:LYS:HG3	14	0.57
(2,1180)	1:215:A:ASP:HA	1:214:A:ARG:HG3	18	0.57
(2,904)	1:246:A:LEU:HD22	1:242:A:ILE:HG12	20	0.57
(2,887)	1:246:A:LEU:HD23	1:222:A:ARG:HA	13	0.57
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	7	0.57
(2,867)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	18	0.57
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	3	0.57
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	8	0.57
(2,819)	1:255:A:ILE:HG22	1:256:A:PRO:HB3	3	0.57
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	8	0.57
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	19	0.57
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	2	0.57
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	13	0.57
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	18	0.57
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	16	0.57
(2,356)	1:201:A:LYS:HB2	1:201:A:LYS:HD2	19	0.57
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG13	5	0.57
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG11	18	0.57
(2,349)	1:202:A:VAL:HG23	1:202:A:VAL:HG12	19	0.57
(2,301)	1:204:A:LYS:HE2	1:204:A:LYS:HA	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	12	0.57
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	2	0.57
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	4	0.57
(2,183)	1:238:A:VAL:HG21	1:227:B:ILE:HG12	18	0.57
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG22	18	0.57
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD12	2	0.57
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD13	3	0.57
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD11	7	0.57
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	19	0.57
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	6	0.57
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD22	19	0.57
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	8	0.57
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	8	0.57
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	8	0.57
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	5	0.57
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	20	0.57
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	11	0.57
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	11	0.57
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	11	0.57
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	16	0.57
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	11	0.57
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD21	16	0.57
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG22	1	0.57
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG21	17	0.57
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	2	0.57
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	6	0.57
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	2	0.57
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	5	0.57
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	7	0.57
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	10	0.57
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	20	0.57
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD11	6	0.57
(1,532)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	15	0.57
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	1	0.57
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG21	15	0.57
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	6	0.57
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	8	0.57
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	20	0.57
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD12	13	0.57
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	4	0.57
(1,326)	1:238:A:VAL:HG12	1:239:A:LEU:HA	7	0.57
(1,237)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	6	0.57
(1,163)	1:228:A:CYS:HA	1:224:A:ILE:HG23	15	0.57
(1,160)	1:232:A:GLU:HA	1:235:A:ASN:HB3	13	0.57
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	15	0.57
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG23	3	0.57
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	7	0.57
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	19	0.57
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	3	0.57
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	3	0.56
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	3	0.56
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	3	0.56
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	3	0.56
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	3	0.56
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	3	0.56
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	3	0.56
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	3	0.56
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	3	0.56
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	6	0.56
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	6	0.56
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	6	0.56
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	6	0.56
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	6	0.56
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	6	0.56
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	6	0.56
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	6	0.56
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	6	0.56
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	11	0.56
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG12	17	0.56
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	3	0.56
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	1	0.56
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	10	0.56
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	15	0.56
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD22	17	0.56
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD11	20	0.56
(2,1745)	1:239:A:LEU:HD21	1:235:A:ASN:HB3	4	0.56
(2,1745)	1:239:A:LEU:HD21	1:235:A:ASN:HB3	14	0.56
(2,1652)	1:194:A:ALA:HB3	1:193:A:ALA:HA	18	0.56
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	4	0.56
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	7	0.56
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	13	0.56
(2,1432)	1:200:A:VAL:HG22	1:199:B:GLN:HE21	3	0.56
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	15	0.56
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	16	0.56
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	15	0.56
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	14	0.56
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG13	14	0.56
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	1	0.56
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD22	17	0.56
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD12	13	0.56
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	19	0.56
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	1	0.56
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	3	0.56
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	16	0.56
(2,919)	1:245:A:ILE:HG22	1:223:B:ASN:HA	7	0.56
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	11	0.56
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	19	0.56
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	3	0.56
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG11	11	0.56
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD12	6	0.56
(2,820)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	20	0.56
(2,819)	1:255:A:ILE:HG23	1:256:A:PRO:HB3	11	0.56
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	1	0.56
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	6	0.56
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	13	0.56
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	4	0.56
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	9	0.56
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	10	0.56
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	19	0.56
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	10	0.56
(2,526)	1:245:A:ILE:HA	1:244:A:ASP:HB2	18	0.56
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	9	0.56
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD13	16	0.56
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	4	0.56
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	20	0.56
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG11	4	0.56
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG13	6	0.56
(2,349)	1:202:A:VAL:HG21	1:202:A:VAL:HG13	14	0.56
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG11	17	0.56
(2,301)	1:204:A:LYS:HE2	1:204:A:LYS:HA	5	0.56
(2,301)	1:204:A:LYS:HE2	1:204:A:LYS:HA	17	0.56
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	5	0.56
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD13	8	0.56
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG21	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	2	0.56
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	14	0.56
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	19	0.56
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	11	0.56
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	11	0.56
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	1	0.56
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	1	0.56
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	1	0.56
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	16	0.56
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	16	0.56
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	16	0.56
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	17	0.56
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	17	0.56
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	17	0.56
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	20	0.56
(1,969)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	9	0.56
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	13	0.56
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	3	0.56
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	5	0.56
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	13	0.56
(1,814)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	7	0.56
(1,814)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	7	0.56
(1,814)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	7	0.56
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	4	0.56
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	4	0.56
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG12	18	0.56
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	8	0.56
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	11	0.56
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	8	0.56
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	1	0.56
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	8	0.56
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	11	0.56
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	18	0.56
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	2	0.56
(1,511)	1:200:A:VAL:HG22	1:199:B:GLN:HG2	3	0.56
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	6	0.56
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	17	0.56
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	17	0.56
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	4	0.56
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	4	0.56
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	8	0.56
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	17	0.56
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD12	2	0.56
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	1	0.56
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	7	0.56
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG23	20	0.56
(1,326)	1:238:A:VAL:HG13	1:228:B:CYS:HA	17	0.56
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	11	0.56
(1,303)	1:240:A:GLN:HB3	1:243:A:VAL:HG12	17	0.56
(1,193)	1:210:A:LEU:HD21	1:208:B:GLU:H	19	0.56
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	13	0.56
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	3	0.56
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	8	0.56
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG21	7	0.56
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	10	0.56
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	19	0.55
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	19	0.55
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	19	0.55
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	19	0.55
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	19	0.55
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	19	0.55
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	19	0.55
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	19	0.55
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	19	0.55
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	12	0.55
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	12	0.55
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	12	0.55
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	12	0.55
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	12	0.55
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	12	0.55
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	12	0.55
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	12	0.55
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	12	0.55
(2,2440)	1:249:A:THR:HG22	1:216:B:PHE:HZ	10	0.55
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	4	0.55
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	6	0.55
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	5	0.55
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	9	0.55
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	3	0.55
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	8	0.55
(2,1963)	1:230:A:GLU:H	1:230:A:GLU:HB3	5	0.55
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	16	0.55
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD22	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD21	20	0.55
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	19	0.55
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	14	0.55
(2,1619)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	11	0.55
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	15	0.55
(2,1488)	1:197:A:MET:HG3	1:196:B:LEU:HD23	15	0.55
(2,1486)	1:200:A:VAL:HG13	1:197:A:MET:HG3	19	0.55
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	3	0.55
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	10	0.55
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	15	0.55
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	2	0.55
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	17	0.55
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	11	0.55
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB3	8	0.55
(2,1116)	1:227:A:ILE:HD12	1:230:A:GLU:HG3	17	0.55
(2,1041)	1:235:A:ASN:HB3	1:232:A:GLU:HB3	18	0.55
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	5	0.55
(2,847)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	1	0.55
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	2	0.55
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD12	9	0.55
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	1	0.55
(2,820)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	7	0.55
(2,820)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	9	0.55
(2,820)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	14	0.55
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	13	0.55
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	18	0.55
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	16	0.55
(2,349)	1:202:A:VAL:HG22	1:202:A:VAL:HG12	2	0.55
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE1	16	0.55
(2,294)	1:207:A:VAL:HG21	1:204:A:LYS:HE3	18	0.55
(2,263)	1:212:A:LYS:HD2	1:212:A:LYS:HB2	6	0.55
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	3	0.55
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	4	0.55
(2,183)	1:238:A:VAL:HG21	1:227:B:ILE:HG12	17	0.55
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD11	3	0.55
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD13	5	0.55
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD13	6	0.55
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD12	7	0.55
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG23	7	0.55
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	7	0.55
(2,69)	1:242:A:ILE:HD13	1:227:B:ILE:HB	14	0.55
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	6	0.55
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	19	0.55
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	19	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	2	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	2	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	2	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	5	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	5	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	5	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	13	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	13	0.55
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	13	0.55
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	20	0.55
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	3	0.55
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	10	0.55
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	19	0.55
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	16	0.55
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	16	0.55
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	16	0.55
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	1	0.55
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	15	0.55
(1,855)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	2	0.55
(1,855)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	15	0.55
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	2	0.55
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	3	0.55
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	14	0.55
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	1	0.55
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	2	0.55
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	1	0.55
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	14	0.55
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	3	0.55
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	5	0.55
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	6	0.55
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG22	9	0.55
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	3	0.55
(1,491)	1:202:A:VAL:HG23	1:201:A:LYS:HB2	10	0.55
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD21	4	0.55
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	16	0.55
(1,457)	1:200:A:VAL:HG11	1:201:A:LYS:HB2	4	0.55
(1,432)	1:200:A:VAL:HG11	1:202:A:VAL:H	11	0.55
(1,427)	1:207:A:VAL:HG11	1:203:B:LEU:HG	1	0.55
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	2	0.55
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	18	0.55
(1,363)	1:227:A:ILE:HG23	1:241:B:ARG:HA	5	0.55
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	1	0.55
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	12	0.55
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	6	0.55
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	11	0.55
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG22	17	0.55
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	15	0.55
(1,139)	1:241:A:ARG:HA	1:242:A:ILE:HG12	13	0.55
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG23	20	0.55
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	5	0.55
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	10	0.55
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	16	0.55
(1,28)	1:248:A:ALA:HB3	1:246:A:LEU:HD21	3	0.55
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG23	20	0.54
(2,2458)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	4	0.54
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	14	0.54
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	7	0.54
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	14	0.54
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB1	5	0.54
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD22	6	0.54
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	7	0.54
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD11	15	0.54
(2,1790)	1:204:A:LYS:HE2	1:205:A:LEU:H	14	0.54
(2,1745)	1:239:A:LEU:HD22	1:235:A:ASN:HB3	16	0.54
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	17	0.54
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	6	0.54
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	5	0.54
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	20	0.54
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB1	15	0.54
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB2	9	0.54
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	5	0.54
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	9	0.54
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	1	0.54
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	14	0.54
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	16	0.54
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	12	0.54
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	3	0.54
(2,1384)	1:202:A:VAL:HG13	1:199:A:GLN:HG3	15	0.54
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG11	16	0.54
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	4	0.54
(2,1357)	1:203:A:LEU:HD13	1:204:B:LYS:HD3	9	0.54
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG11	11	0.54
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	18	0.54
(2,1237)	1:210:A:LEU:HD13	1:214:B:ARG:HD2	20	0.54
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	19	0.54
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	13	0.54
(2,1118)	1:227:A:ILE:HD12	1:230:A:GLU:H	18	0.54
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	1	0.54
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	9	0.54
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	1	0.54
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	9	0.54
(2,887)	1:246:A:LEU:HD23	1:222:A:ARG:HA	2	0.54
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	14	0.54
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG11	18	0.54
(2,847)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	3	0.54
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD12	15	0.54
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	2	0.54
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	15	0.54
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	4	0.54
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	8	0.54
(2,703)	1:210:A:LEU:HD22	1:211:B:GLU:H	20	0.54
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	6	0.54
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	15	0.54
(2,356)	1:201:A:LYS:HB2	1:201:A:LYS:HD2	4	0.54
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE2	5	0.54
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	7	0.54
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD21	15	0.54
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD11	20	0.54
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	19	0.54
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	14	0.54
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD11	18	0.54
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD13	2	0.54
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD12	9	0.54
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD11	19	0.54
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG23	13	0.54
(2,136)	1:245:A:ILE:HD11	1:227:B:ILE:HG21	19	0.54
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD12	5	0.54
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	4	0.54
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	11	0.54
(2,85)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	14	0.54
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD11	8	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	3	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	3	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	3	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	9	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	9	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	9	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	18	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	18	0.54
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	18	0.54
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	4	0.54
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	7	0.54
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	9	0.54
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	11	0.54
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	14	0.54
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	17	0.54
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	1	0.54
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	5	0.54
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	7	0.54
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	7	0.54
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	11	0.54
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	8	0.54
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	6	0.54
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD13	16	0.54
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG23	19	0.54
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG22	20	0.54
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	14	0.54
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	10	0.54
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	16	0.54
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	19	0.54
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG13	9	0.54
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG21	19	0.54
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG21	20	0.54
(1,491)	1:202:A:VAL:HG22	1:201:A:LYS:HB2	1	0.54
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	2	0.54
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	3	0.54
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	8	0.54
(1,400)	1:212:A:LYS:HE2	1:209:A:ASP:H	7	0.54
(1,363)	1:227:A:ILE:HG22	1:241:B:ARG:HA	14	0.54
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	2	0.54
(1,255)	1:246:A:LEU:HD12	2:5479:C:ILE:HG12	8	0.54
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	7	0.54
(1,228)	1:256:A:PRO:HA	1:257:A:ASP:HB2	12	0.54
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	7	0.54
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	1	0.54
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD11	5	0.54
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	12	0.54
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	9	0.54
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	5	0.54
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	8	0.54
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	4	0.54
(1,96)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	20	0.54
(1,79)	1:203:A:LEU:HD12	1:200:B:VAL:HA	15	0.54
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	6	0.54
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	7	0.54
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	15	0.53
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	15	0.53
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	15	0.53
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	15	0.53
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	15	0.53
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	15	0.53
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	15	0.53
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	15	0.53
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	15	0.53
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	20	0.53
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	20	0.53
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	20	0.53
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	20	0.53
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	20	0.53
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	20	0.53
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	20	0.53
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	20	0.53
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	20	0.53
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	8	0.53
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	1	0.53
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	2	0.53
(2,2369)	1:210:A:LEU:HD22	1:211:B:GLU:H	20	0.53
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	2	0.53
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	1	0.53
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	2	0.53
(2,1923)	1:220:A:LYS:H	1:221:A:LEU:HD23	7	0.53
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	16	0.53
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD12	8	0.53
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	1	0.53
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	7	0.53
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	11	0.53
(2,1449)	1:199:A:GLN:HG2	1:196:A:LEU:HA	12	0.53
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG12	3	0.53
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	4	0.53
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	6	0.53
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	7	0.53
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	18	0.53
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	20	0.53
(2,1384)	1:202:A:VAL:HG13	1:199:A:GLN:HG3	20	0.53
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG23	1	0.53
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB3	2	0.53
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	7	0.53
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	8	0.53
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	10	0.53
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	13	0.53
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD22	14	0.53
(2,1242)	1:210:A:LEU:HD12	1:211:B:GLU:HG3	3	0.53
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	17	0.53
(2,1136)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	17	0.53
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	4	0.53
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	14	0.53
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	12	0.53
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	5	0.53
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	19	0.53
(2,838)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	12	0.53
(2,838)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	20	0.53
(2,831)	1:256:A:PRO:HD3	1:255:A:ILE:HD11	11	0.53
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	4	0.53
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	9	0.53
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	15	0.53
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	3	0.53
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	12	0.53
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	5	0.53
(2,700)	1:210:A:LEU:HD23	1:208:B:GLU:HA	10	0.53
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD12	11	0.53
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD11	6	0.53
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG11	12	0.53
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	19	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD22	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	2	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	3	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	4	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD22	6	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD21	10	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	11	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD22	14	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD21	16	0.53
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD22	20	0.53
(2,225)	1:226:A:LEU:HD12	1:222:A:ARG:HD3	2	0.53
(2,220)	1:226:A:LEU:HA	1:226:A:LEU:HD21	14	0.53
(2,183)	1:238:A:VAL:HG22	1:227:B:ILE:HG12	8	0.53
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD13	10	0.53
(2,136)	1:245:A:ILE:HD13	1:227:B:ILE:HG21	15	0.53
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD13	15	0.53
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD11	16	0.53
(2,109)	1:206:A:THR:HG23	1:210:A:LEU:HG	3	0.53
(2,85)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	15	0.53
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	5	0.53
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	15	0.53
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	12	0.53
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	18	0.53
(1,1115)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	4	0.53
(1,1115)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	4	0.53
(1,1115)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	4	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	4	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	4	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	4	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	10	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	10	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	10	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	14	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	14	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	14	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	20	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	20	0.53
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	20	0.53
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	6	0.53
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	19	0.53
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	19	0.53
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	19	0.53
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	2	0.53
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	6	0.53
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	12	0.53
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	16	0.53
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	18	0.53
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	2	0.53
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	14	0.53
(1,831)	2:5476:C:PRO:HD3	2:5475:C:LYS:HG2	1	0.53
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	10	0.53
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD22	17	0.53
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	5	0.53
(1,702)	1:236:A:ASP:H	1:232:A:GLU:HB3	16	0.53
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD11	14	0.53
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG21	12	0.53
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	10	0.53
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	7	0.53
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	9	0.53
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG13	10	0.53
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	11	0.53
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	13	0.53
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	11	0.53
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG13	19	0.53
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	18	0.53
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	1	0.53
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	6	0.53
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	11	0.53
(1,363)	1:227:A:ILE:HG21	1:241:B:ARG:HA	15	0.53
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG22	6	0.53
(1,326)	1:238:A:VAL:HG13	1:239:A:LEU:HA	19	0.53
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	19	0.53
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	10	0.53
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	18	0.53
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	15	0.53
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	15	0.53
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	14	0.53
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	2	0.53
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	7	0.53
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	12	0.53
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	13	0.53
(1,32)	1:242:A:ILE:HD13	1:227:A:ILE:HB	6	0.53
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	16	0.52
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	16	0.52
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	16	0.52
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	16	0.52
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	16	0.52
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	16	0.52
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	16	0.52
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	16	0.52
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	11	0.52
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	11	0.52
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	11	0.52
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	11	0.52
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	11	0.52
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	11	0.52
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	11	0.52
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	11	0.52
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	11	0.52
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	15	0.52
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	15	0.52
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	15	0.52
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	15	0.52
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	15	0.52
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	15	0.52
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	15	0.52
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	15	0.52
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	15	0.52
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	1	0.52
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	5	0.52
(2,2436)	1:245:A:ILE:HG23	1:224:B:ILE:HB	15	0.52
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	16	0.52
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	20	0.52
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	6	0.52
(2,2056)	1:249:A:THR:H	1:248:A:ALA:HB3	11	0.52
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	19	0.52
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	12	0.52
(2,1620)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	17	0.52
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	8	0.52
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	18	0.52
(2,1569)	1:227:A:ILE:HG12	1:230:A:GLU:HB3	18	0.52
(2,1493)	1:200:A:VAL:HG13	1:197:A:MET:HG2	19	0.52
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD13	17	0.52
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	3	0.52
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG12	19	0.52
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	19	0.52
(2,1381)	1:201:A:LYS:HE2	1:202:A:VAL:HG13	15	0.52
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	3	0.52
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB2	10	0.52
(2,1346)	1:203:A:LEU:HD22	1:204:B:LYS:HG3	14	0.52
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	18	0.52
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	9	0.52
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	20	0.52
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD12	5	0.52
(2,1238)	1:210:A:LEU:HD11	1:214:B:ARG:HD3	19	0.52
(2,1136)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	3	0.52
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD11	11	0.52
(2,891)	1:246:A:LEU:HD11	1:225:A:GLU:HG2	13	0.52
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	7	0.52
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	3	0.52
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	4	0.52
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	7	0.52
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	9	0.52
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	16	0.52
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	17	0.52
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	10	0.52
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD13	20	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD22	5	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	8	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	9	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	12	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	13	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD23	17	0.52
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD21	19	0.52
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	16	0.52
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	2	0.52
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	7	0.52
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	18	0.52
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	10	0.52
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	20	0.52
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD11	1	0.52
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	17	0.52
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	4	0.52
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	3	0.52
(2,183)	1:238:A:VAL:HG23	1:227:B:ILE:HG12	14	0.52
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD13	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD11	15	0.52
(2,136)	1:245:A:ILE:HD11	1:227:B:ILE:HG21	12	0.52
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD13	13	0.52
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG22	8	0.52
(2,69)	1:242:A:ILE:HD11	1:227:B:ILE:HB	10	0.52
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	1	0.52
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	17	0.52
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD11	1	0.52
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD11	5	0.52
(1,1119)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	5	0.52
(1,1119)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	5	0.52
(1,1119)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	5	0.52
(1,1116)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	4	0.52
(1,1116)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	4	0.52
(1,1116)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	4	0.52
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	6	0.52
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	6	0.52
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	8	0.52
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	8	0.52
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	8	0.52
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	8	0.52
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	10	0.52
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	5	0.52
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	9	0.52
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	9	0.52
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG11	7	0.52
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	1	0.52
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD21	2	0.52
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	5	0.52
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	7	0.52
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	1	0.52
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	2	0.52
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	14	0.52
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	14	0.52
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	3	0.52
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	18	0.52
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	18	0.52
(1,524)	1:207:A:VAL:HG13	1:204:A:LYS:HD2	3	0.52
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	7	0.52
(1,495)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	18	0.52
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	4	0.52
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:200:A:VAL:HG13	1:202:A:VAL:H	19	0.52
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG13	2	0.52
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	3	0.52
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	12	0.52
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	16	0.52
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	17	0.52
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	9	0.52
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	20	0.52
(1,311)	1:239:A:LEU:HD22	1:238:B:VAL:H	6	0.52
(1,311)	1:239:A:LEU:HD23	1:238:B:VAL:H	12	0.52
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD13	17	0.52
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	16	0.52
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	5	0.52
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD21	12	0.52
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD13	8	0.52
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD11	9	0.52
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	19	0.52
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	13	0.52
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG11	20	0.52
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG21	15	0.52
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	1	0.52
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	10	0.52
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD12	13	0.52
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	2	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	2	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	2	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	2	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	2	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	2	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	2	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	2	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	2	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	14	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	14	0.51
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	14	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	14	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	14	0.51
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	14	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	14	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	14	0.51
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	14	0.51
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	9	0.51
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	9	0.51
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	9	0.51
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	9	0.51
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	9	0.51
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	9	0.51
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	9	0.51
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	9	0.51
(2,2440)	1:249:A:THR:HG22	1:216:B:PHE:HZ	20	0.51
(2,2436)	1:245:A:ILE:HG22	1:224:B:ILE:HB	20	0.51
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	5	0.51
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	16	0.51
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG11	14	0.51
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	3	0.51
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	15	0.51
(2,1790)	1:204:A:LYS:HE2	1:205:A:LEU:H	5	0.51
(2,1790)	1:204:A:LYS:HE2	1:205:A:LEU:H	17	0.51
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	18	0.51
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	16	0.51
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	19	0.51
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD11	3	0.51
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD12	4	0.51
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	2	0.51
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	9	0.51
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	20	0.51
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	20	0.51
(2,1493)	1:200:A:VAL:HG13	1:197:A:MET:HG2	2	0.51
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	3	0.51
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	4	0.51
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	14	0.51
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	4	0.51
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	8	0.51
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	10	0.51
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	17	0.51
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	6	0.51
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	8	0.51
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	14	0.51
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	17	0.51
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	18	0.51
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG12	2	0.51
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	5	0.51
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	4	0.51
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG23	19	0.51
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	8	0.51
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	8	0.51
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD11	12	0.51
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	4	0.51
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	10	0.51
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	15	0.51
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD11	9	0.51
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	10	0.51
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	16	0.51
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG13	6	0.51
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	1	0.51
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	17	0.51
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	5	0.51
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	8	0.51
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	2	0.51
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	15	0.51
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	17	0.51
(2,844)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	15	0.51
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	17	0.51
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	2	0.51
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	11	0.51
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	3	0.51
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD11	6	0.51
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD11	11	0.51
(2,387)	1:197:A:MET:HE3	1:200:A:VAL:HG13	9	0.51
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB3	8	0.51
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG21	15	0.51
(2,341)	1:203:A:LEU:HG	1:202:A:VAL:HG23	16	0.51
(2,328)	1:205:A:LEU:HB3	1:205:A:LEU:HD21	18	0.51
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	1	0.51
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	3	0.51
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	4	0.51
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	6	0.51
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	10	0.51
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD11	15	0.51
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD13	17	0.51
(2,249)	1:221:A:LEU:HD13	1:220:B:LYS:HB3	12	0.51
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD11	7	0.51
(2,120)	1:246:A:LEU:HD22	1:242:A:ILE:HD12	6	0.51
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD13	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	2	0.51
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	13	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	6	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	6	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	6	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	17	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	17	0.51
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	17	0.51
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	20	0.51
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	20	0.51
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	20	0.51
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	20	0.51
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	20	0.51
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	20	0.51
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	1	0.51
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	1	0.51
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	1	0.51
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	7	0.51
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	12	0.51
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	13	0.51
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	14	0.51
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	17	0.51
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	14	0.51
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	20	0.51
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	12	0.51
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	14	0.51
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD21	18	0.51
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	19	0.51
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	4	0.51
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	5	0.51
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	12	0.51
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	16	0.51
(1,569)	1:205:A:LEU:HD21	1:209:A:ASP:HA	16	0.51
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD13	3	0.51
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	11	0.51
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD11	17	0.51
(1,522)	1:198:A:GLN:H	1:200:A:VAL:HG22	15	0.51
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	1	0.51
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	20	0.51
(1,481)	1:205:A:LEU:HD22	1:208:A:GLU:H	5	0.51
(1,428)	1:200:A:VAL:HG12	1:204:A:LYS:HD3	19	0.51
(1,427)	1:207:A:VAL:HG13	1:203:B:LEU:HG	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	5	0.51
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD11	5	0.51
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	6	0.51
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD12	11	0.51
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	14	0.51
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	16	0.51
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	5	0.51
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	20	0.51
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	15	0.51
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	5	0.51
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	20	0.51
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	7	0.51
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD13	3	0.51
(1,237)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	7	0.51
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	17	0.51
(1,228)	1:257:A:ASP:HB2	2:5478:C:LYS:HA	20	0.51
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	6	0.51
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	17	0.51
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD21	2	0.51
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	3	0.51
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD21	9	0.51
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD21	11	0.51
(1,193)	1:210:A:LEU:HD23	1:212:B:LYS:H	17	0.51
(1,26)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	9	0.51
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	19	0.5
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD13	20	0.5
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	4	0.5
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	3	0.5
(2,1839)	1:198:A:GLN:HE21	1:201:A:LYS:HD2	14	0.5
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	12	0.5
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	18	0.5
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	3	0.5
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	11	0.5
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	15	0.5
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	5	0.5
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	7	0.5
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	1	0.5
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	7	0.5
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	7	0.5
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	9	0.5
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	11	0.5
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	2	0.5
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	5	0.5
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	14	0.5
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	15	0.5
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	16	0.5
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	11	0.5
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	1	0.5
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	2	0.5
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	10	0.5
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	11	0.5
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	1	0.5
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	4	0.5
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	1	0.5
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	9	0.5
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	20	0.5
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	11	0.5
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	10	0.5
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	17	0.5
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	16	0.5
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	11	0.5
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	12	0.5
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	18	0.5
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	10	0.5
(2,849)	1:254:A:VAL:HG11	2:5483:C:GLN:H	20	0.5
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	10	0.5
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	11	0.5
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	4	0.5
(2,427)	1:227:A:ILE:HG12	1:226:A:LEU:HD12	10	0.5
(2,333)	1:243:A:VAL:HG23	1:247:A:TYR:HE1	14	0.5
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	8	0.5
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	11	0.5
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	19	0.5
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	19	0.5
(2,148)	1:243:A:VAL:HG11	1:242:A:ILE:HD11	13	0.5
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	8	0.5
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	19	0.5
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	10	0.5
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	10	0.5
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	14	0.5
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	14	0.5
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	15	0.5
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	11	0.5
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	11	0.5
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	11	0.5
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	19	0.5
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	19	0.5
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	19	0.5
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	3	0.5
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	3	0.5
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	3	0.5
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	10	0.5
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	10	0.5
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	10	0.5
(1,991)	2:5485:C:LYS:HA	2:5485:C:LYS:HD2	2	0.5
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	11	0.5
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	1	0.5
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	5	0.5
(1,935)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	15	0.5
(1,913)	2:5482:C:PRO:HB3	2:5482:C:PRO:HA	2	0.5
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	5	0.5
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	19	0.5
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD21	20	0.5
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	2	0.5
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	13	0.5
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	11	0.5
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG21	13	0.5
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD22	9	0.5
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD12	5	0.5
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	15	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	1	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	2	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	6	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	9	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	10	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	11	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	13	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	15	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	17	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	19	0.5
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	20	0.5
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	7	0.5
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	1	0.5
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	19	0.5
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	12	0.5
(1,495)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	5	0.5
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	2	0.5
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	9	0.5
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	7	0.5
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	7	0.5
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG13	9	0.5
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	8	0.5
(1,426)	1:207:A:VAL:HG12	1:211:A:GLU:HB2	1	0.5
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	3	0.5
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD12	14	0.5
(1,354)	1:225:A:GLU:HB2	1:224:A:ILE:HB	1	0.5
(1,326)	1:238:A:VAL:HG13	1:239:A:LEU:HA	14	0.5
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	5	0.5
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	1	0.5
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	10	0.5
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	14	0.5
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	15	0.5
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD12	4	0.5
(1,255)	1:246:A:LEU:HD11	2:5479:C:ILE:HG12	13	0.5
(1,237)	1:255:A:ILE:HB	1:254:A:VAL:HG13	15	0.5
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	12	0.5
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	10	0.5
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD23	13	0.5
(1,193)	1:210:A:LEU:HD21	1:212:B:LYS:H	12	0.5
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD12	11	0.5
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	7	0.5
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	6	0.5
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	8	0.5
(1,94)	1:207:A:VAL:HG23	1:203:B:LEU:HA	15	0.5
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG23	16	0.5
(1,32)	1:242:A:ILE:HD13	1:227:A:ILE:HB	11	0.5
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	17	0.49
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	17	0.49
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	17	0.49
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	17	0.49
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	17	0.49
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	17	0.49
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	17	0.49
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	17	0.49
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	8	0.49
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	8	0.49
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	8	0.49
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	8	0.49
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	8	0.49
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	8	0.49
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	8	0.49
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	8	0.49
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	8	0.49
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	11	0.49
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	11	0.49
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	11	0.49
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	11	0.49
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	11	0.49
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	11	0.49
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	11	0.49
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	11	0.49
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	11	0.49
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	12	0.49
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	12	0.49
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	12	0.49
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG12	7	0.49
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	8	0.49
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD12	2	0.49
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	17	0.49
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	8	0.49
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG12	16	0.49
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	5	0.49
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	8	0.49
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	9	0.49
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	13	0.49
(2,1745)	1:239:A:LEU:HD23	1:235:A:ASN:HB3	20	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	2	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	3	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	4	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	6	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	8	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	11	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	13	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	14	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	17	0.49
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	15	0.49
(2,1621)	1:254:A:VAL:HG22	2:5481:C:THR:HB	2	0.49
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	2	0.49
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	15	0.49
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	1	0.49
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD13	6	0.49
(2,1475)	1:198:A:GLN:H	1:198:A:GLN:HG2	2	0.49
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	9	0.49
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	13	0.49
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	19	0.49
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	20	0.49
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	3	0.49
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	5	0.49
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	7	0.49
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	16	0.49
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	19	0.49
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	14	0.49
(2,1420)	1:204:A:LYS:HG3	1:201:A:LYS:HA	19	0.49
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	13	0.49
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	19	0.49
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	7	0.49
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD12	13	0.49
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	15	0.49
(2,1237)	1:210:A:LEU:HD11	1:214:B:ARG:HD2	6	0.49
(2,1135)	1:226:A:LEU:HD12	2:5475:C:LYS:HG2	2	0.49
(2,1116)	1:227:A:ILE:HD11	1:230:A:GLU:HG3	10	0.49
(2,1116)	1:227:A:ILE:HD12	1:230:A:GLU:HG3	18	0.49
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	1	0.49
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	8	0.49
(2,994)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	4	0.49
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	11	0.49
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	13	0.49
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	4	0.49
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	16	0.49
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	7	0.49
(2,884)	1:248:A:ALA:HB2	1:249:A:THR:HG23	13	0.49
(2,872)	1:206:A:THR:HG21	1:209:A:ASP:H	16	0.49
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	20	0.49
(2,849)	1:254:A:VAL:HG12	2:5483:C:GLN:H	14	0.49
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG12	19	0.49
(2,818)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	3	0.49
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,806)	1:258:A:GLU:HA	1:257:A:ASP:HB2	12	0.49
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	14	0.49
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD13	9	0.49
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	12	0.49
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	8	0.49
(2,294)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	7	0.49
(2,294)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	8	0.49
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD11	10	0.49
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	10	0.49
(2,148)	1:243:A:VAL:HG12	1:242:A:ILE:HD11	17	0.49
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	17	0.49
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD13	4	0.49
(2,120)	1:246:A:LEU:HD21	1:242:A:ILE:HD11	14	0.49
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG21	10	0.49
(2,85)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	6	0.49
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	19	0.49
(2,69)	1:242:A:ILE:HD12	1:227:B:ILE:HB	13	0.49
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	3	0.49
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD21	4	0.49
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	8	0.49
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	20	0.49
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	3	0.49
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	3	0.49
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	3	0.49
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	7	0.49
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	7	0.49
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	7	0.49
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	18	0.49
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	18	0.49
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	18	0.49
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	12	0.49
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	12	0.49
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	12	0.49
(1,969)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	7	0.49
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	12	0.49
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	12	0.49
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	12	0.49
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	8	0.49
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	10	0.49
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	17	0.49
(1,862)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	17	0.49
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	7	0.49
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD23	10	0.49
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	8	0.49
(1,637)	1:255:A:ILE:HD12	2:5479:C:ILE:HG22	9	0.49
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD22	15	0.49
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	8	0.49
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	18	0.49
(1,556)	1:193:A:ALA:HB1	1:194:A:ALA:HA	5	0.49
(1,513)	1:201:A:LYS:HB2	1:200:A:VAL:HG22	9	0.49
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	6	0.49
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	11	0.49
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	17	0.49
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	7	0.49
(1,495)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	8	0.49
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG22	13	0.49
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	10	0.49
(1,472)	1:196:A:LEU:HD23	1:193:A:ALA:HA	11	0.49
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	1	0.49
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG13	10	0.49
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	17	0.49
(1,361)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	4	0.49
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	18	0.49
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	7	0.49
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	11	0.49
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	12	0.49
(1,282)	1:245:A:ILE:HD12	1:244:A:ASP:HB2	2	0.49
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD12	11	0.49
(1,274)	1:244:A:ASP:HB3	1:241:A:ARG:HB3	14	0.49
(1,255)	1:246:A:LEU:HD11	1:245:A:ILE:HG23	19	0.49
(1,247)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	14	0.49
(1,247)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	16	0.49
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD21	19	0.49
(1,193)	1:210:A:LEU:HD21	1:212:B:LYS:H	2	0.49
(1,193)	1:210:A:LEU:HD22	1:208:B:GLU:H	3	0.49
(1,193)	1:210:A:LEU:HD21	1:212:B:LYS:H	9	0.49
(1,192)	1:210:A:LEU:HD23	1:209:B:ASP:H	17	0.49
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	4	0.49
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	4	0.49
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	8	0.49
(1,32)	1:227:A:ILE:HB	1:242:B:ILE:HD13	16	0.49
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD21	16	0.49
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	4	0.48
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	4	0.48
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	4	0.48
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	4	0.48
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	4	0.48
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	4	0.48
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	4	0.48
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	4	0.48
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	20	0.48
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	20	0.48
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	20	0.48
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	20	0.48
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	20	0.48
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	20	0.48
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	20	0.48
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	20	0.48
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	20	0.48
(2,2633)	1:227:A:ILE:HG21	1:241:B:ARG:HB3	8	0.48
(2,2633)	1:227:A:ILE:HG22	1:241:B:ARG:HB3	8	0.48
(2,2633)	1:227:A:ILE:HG23	1:241:B:ARG:HB3	8	0.48
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	1	0.48
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	1	0.48
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	1	0.48
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	1	0.48
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	1	0.48
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	1	0.48
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	1	0.48
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	1	0.48
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	1	0.48
(2,2607)	1:203:B:LEU:HD11	1:204:A:LYS:HE2	13	0.48
(2,2607)	1:203:B:LEU:HD12	1:204:A:LYS:HE2	13	0.48
(2,2607)	1:203:B:LEU:HD13	1:204:A:LYS:HE2	13	0.48
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	13	0.48
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	13	0.48
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	13	0.48
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	13	0.48
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	13	0.48
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	13	0.48
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	13	0.48
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	13	0.48
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	13	0.48
(2,2564)	1:246:A:LEU:HD22	1:242:B:ILE:HG23	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG21	19	0.48
(2,2436)	1:245:A:ILE:HG21	1:224:B:ILE:HB	17	0.48
(2,2418)	1:241:A:ARG:HD3	1:227:B:ILE:HG23	4	0.48
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	7	0.48
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	11	0.48
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	11	0.48
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	7	0.48
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	7	0.48
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	12	0.48
(2,1636)	1:251:A:GLU:HB2	1:251:A:GLU:HG2	18	0.48
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	10	0.48
(2,1486)	1:200:A:VAL:HG13	1:197:A:MET:HG3	2	0.48
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB2	16	0.48
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	12	0.48
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	4	0.48
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	19	0.48
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	6	0.48
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	7	0.48
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	10	0.48
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD12	7	0.48
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	10	0.48
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	17	0.48
(2,1242)	1:210:A:LEU:HD12	1:211:B:GLU:HG3	5	0.48
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	16	0.48
(2,1192)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	7	0.48
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD11	6	0.48
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD12	10	0.48
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	9	0.48
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	3	0.48
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	8	0.48
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	20	0.48
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	6	0.48
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	3	0.48
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	4	0.48
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	18	0.48
(2,916)	1:245:A:ILE:HG23	1:223:B:ASN:H	16	0.48
(2,904)	1:246:A:LEU:HD21	1:242:A:ILE:HG12	2	0.48
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	18	0.48
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	9	0.48
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	12	0.48
(2,818)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	9	0.48
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	1	0.48
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	18	0.48
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	2	0.48
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	15	0.48
(2,703)	1:210:A:LEU:HD22	1:211:B:GLU:H	8	0.48
(2,562)	1:241:A:ARG:HA	1:241:A:ARG:HG3	14	0.48
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	14	0.48
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	13	0.48
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB1	20	0.48
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD12	3	0.48
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	16	0.48
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	12	0.48
(2,297)	1:204:A:LYS:HG2	1:204:A:LYS:HE2	20	0.48
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD13	5	0.48
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	13	0.48
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	12	0.48
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	18	0.48
(2,120)	1:246:A:LEU:HD23	1:242:A:ILE:HD12	8	0.48
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	17	0.48
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	7	0.48
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	10	0.48
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	18	0.48
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	16	0.48
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	16	0.48
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	16	0.48
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	16	0.48
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	16	0.48
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	16	0.48
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	15	0.48
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	15	0.48
(1,1086)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	15	0.48
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	8	0.48
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	8	0.48
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	8	0.48
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	10	0.48
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	10	0.48
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	10	0.48
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	10	0.48
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	10	0.48
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	10	0.48
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	10	0.48
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	10	0.48
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	1	0.48
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	1	0.48
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	1	0.48
(1,991)	2:5485:C:LYS:HA	2:5485:C:LYS:HD2	15	0.48
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	8	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	1	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	1	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	1	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	4	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	4	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	4	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	20	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	20	0.48
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	20	0.48
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	20	0.48
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	11	0.48
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	4	0.48
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	4	0.48
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	9	0.48
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	9	0.48
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	6	0.48
(1,637)	1:255:A:ILE:HD12	2:5478:C:LYS:HD3	6	0.48
(1,613)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	3	0.48
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	3	0.48
(1,575)	1:231:A:ASN:HA	1:230:A:GLU:HA	7	0.48
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	20	0.48
(1,569)	1:205:A:LEU:HD22	1:209:A:ASP:HA	1	0.48
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	14	0.48
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	6	0.48
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	1	0.48
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	4	0.48
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	8	0.48
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG12	16	0.48
(1,497)	1:202:A:VAL:HG11	1:198:A:GLN:H	16	0.48
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	11	0.48
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	17	0.48
(1,481)	1:205:A:LEU:HD21	1:208:A:GLU:H	19	0.48
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	5	0.48
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	1	0.48
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	6	0.48
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	3	0.48
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	6	0.48
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	18	0.48
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	7	0.48
(1,428)	1:200:A:VAL:HG13	1:204:A:LYS:HD3	11	0.48
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	18	0.48
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	10	0.48
(1,410)	1:214:A:ARG:H	1:210:A:LEU:HD13	9	0.48
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	16	0.48
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	1	0.48
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	19	0.48
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	4	0.48
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	5	0.48
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	6	0.48
(1,305)	1:243:A:VAL:HG11	1:240:A:GLN:HB2	11	0.48
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	9	0.48
(1,223)	1:256:A:PRO:HG2	2:5479:C:ILE:HG23	13	0.48
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	6	0.48
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	16	0.48
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	8	0.48
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG13	3	0.48
(1,89)	1:203:A:LEU:HB3	1:202:A:VAL:HG22	1	0.48
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	20	0.48
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	10	0.47
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	10	0.47
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	10	0.47
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	10	0.47
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	10	0.47
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	10	0.47
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	10	0.47
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	10	0.47
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	10	0.47
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	16	0.47
(2,2440)	1:249:A:THR:HG22	1:216:B:PHE:HZ	3	0.47
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	4	0.47
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	5	0.47
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	19	0.47
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	20	0.47
(2,1981)	1:233:A:GLY:H	1:232:A:GLU:HB3	18	0.47
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	2	0.47
(2,1905)	1:213:A:GLU:H	1:212:A:LYS:HB2	14	0.47
(2,1839)	1:198:A:GLN:HE21	1:201:A:LYS:HD2	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	1	0.47
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	6	0.47
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD12	12	0.47
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	5	0.47
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	16	0.47
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	19	0.47
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	15	0.47
(2,1605)	1:236:A:ASP:HB2	1:239:A:LEU:HG	13	0.47
(2,1598)	1:227:A:ILE:HG21	1:230:A:GLU:HG2	13	0.47
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	15	0.47
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB2	9	0.47
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	12	0.47
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	13	0.47
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	8	0.47
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	2	0.47
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	10	0.47
(2,1358)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	6	0.47
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	18	0.47
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	9	0.47
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	12	0.47
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	18	0.47
(2,1281)	1:204:A:LYS:H	1:205:A:LEU:HD13	14	0.47
(2,1242)	1:210:A:LEU:HD13	1:211:B:GLU:HG3	2	0.47
(2,1242)	1:210:A:LEU:HD13	1:211:B:GLU:HG3	11	0.47
(2,1204)	1:212:A:LYS:HG2	1:212:A:LYS:HE2	1	0.47
(2,1204)	1:212:A:LYS:HG2	1:212:A:LYS:HE2	14	0.47
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	3	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	1	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	2	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	3	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	4	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	5	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	6	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	7	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	12	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	13	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	14	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	15	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	16	0.47
(2,985)	1:240:A:GLN:HE22	1:240:A:GLN:HG3	19	0.47
(2,984)	1:241:A:ARG:H	1:240:A:GLN:HG3	18	0.47
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	8	0.47
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG13	10	0.47
(2,916)	1:245:A:ILE:HG23	1:223:B:ASN:H	9	0.47
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	10	0.47
(2,870)	1:249:A:THR:HG21	1:251:A:GLU:H	18	0.47
(2,844)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	14	0.47
(2,820)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	19	0.47
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	6	0.47
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	6	0.47
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	14	0.47
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB2	10	0.47
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB1	14	0.47
(2,278)	1:207:A:VAL:HG13	1:203:B:LEU:HD12	3	0.47
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD11	4	0.47
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD13	11	0.47
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD12	13	0.47
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD12	18	0.47
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	20	0.47
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG12	14	0.47
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG11	15	0.47
(2,184)	1:238:A:VAL:HG22	1:238:A:VAL:HG11	17	0.47
(2,136)	1:245:A:ILE:HD12	1:227:B:ILE:HG23	5	0.47
(2,109)	1:206:A:THR:HG22	1:210:A:LEU:HG	1	0.47
(2,107)	1:206:A:THR:HG22	1:209:A:ASP:HB2	6	0.47
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	15	0.47
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	5	0.47
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	5	0.47
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	4	0.47
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	4	0.47
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	14	0.47
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	14	0.47
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	16	0.47
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	16	0.47
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	16	0.47
(1,1078)	1:254:A:VAL:HG21	2:5483:C:GLN:H	6	0.47
(1,1078)	1:254:A:VAL:HG22	2:5483:C:GLN:H	6	0.47
(1,1078)	1:254:A:VAL:HG23	2:5483:C:GLN:H	6	0.47
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	8	0.47
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	8	0.47
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	8	0.47
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	15	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	1	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	1	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	2	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	2	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	2	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	13	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	13	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	13	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	16	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	16	0.47
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	16	0.47
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	5	0.47
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	5	0.47
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	5	0.47
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	1	0.47
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	12	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	5	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	5	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	5	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	6	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	6	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	6	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	19	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	19	0.47
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	19	0.47
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	15	0.47
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	15	0.47
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	15	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	3	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	7	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	8	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	12	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	15	0.47
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	16	0.47
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	9	0.47
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	16	0.47
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	5	0.47
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	6	0.47
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	9	0.47
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	19	0.47
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	19	0.47
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG11	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG12	13	0.47
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	4	0.47
(1,675)	1:212:A:LYS:H	1:212:A:LYS:HD2	1	0.47
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	8	0.47
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	19	0.47
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	1	0.47
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	7	0.47
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG21	2	0.47
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	6	0.47
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	4	0.47
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	10	0.47
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	13	0.47
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	16	0.47
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	17	0.47
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	10	0.47
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	13	0.47
(1,457)	1:200:A:VAL:HG12	1:201:A:LYS:HB2	16	0.47
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	12	0.47
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	13	0.47
(1,428)	1:200:A:VAL:HG12	1:204:A:LYS:HD3	2	0.47
(1,427)	1:207:A:VAL:HG13	1:203:B:LEU:HG	2	0.47
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD21	10	0.47
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD12	19	0.47
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	4	0.47
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	2	0.47
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	9	0.47
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	15	0.47
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	4	0.47
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	8	0.47
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	18	0.47
(1,246)	1:255:A:ILE:HG21	2:5478:C:LYS:HG2	9	0.47
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	14	0.47
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	15	0.47
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	5	0.47
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD21	9	0.47
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	18	0.47
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD22	19	0.47
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	2	0.46
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	2	0.46
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	2	0.46
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	2	0.46
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	2	0.46
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	2	0.46
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	2	0.46
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	2	0.46
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	13	0.46
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	13	0.46
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	13	0.46
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	13	0.46
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	13	0.46
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	13	0.46
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	13	0.46
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	13	0.46
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	13	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	7	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	7	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	7	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	7	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	7	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	7	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	7	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	7	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	7	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	9	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	9	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	9	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	9	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	9	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	9	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	9	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	9	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	9	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	12	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	12	0.46
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	12	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	12	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	12	0.46
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	12	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	12	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	12	0.46
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	12	0.46
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	10	0.46
(2,2440)	1:249:A:THR:HG23	1:216:B:PHE:HZ	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	19	0.46
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	5	0.46
(2,2369)	1:210:A:LEU:HD22	1:211:B:GLU:H	8	0.46
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	11	0.46
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	15	0.46
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	10	0.46
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	10	0.46
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	17	0.46
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	14	0.46
(2,1723)	1:196:A:LEU:HD23	1:192:A:GLU:HG2	8	0.46
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	11	0.46
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	16	0.46
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	13	0.46
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	7	0.46
(2,1621)	1:254:A:VAL:HG21	2:5481:C:THR:HB	10	0.46
(2,1532)	1:197:A:MET:H	1:195:A:GLU:HB3	9	0.46
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	6	0.46
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	18	0.46
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	3	0.46
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	18	0.46
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	1	0.46
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	12	0.46
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	4	0.46
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	1	0.46
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG11	9	0.46
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	1	0.46
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	10	0.46
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	7	0.46
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	11	0.46
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	19	0.46
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	8	0.46
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	11	0.46
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD11	12	0.46
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD22	4	0.46
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	11	0.46
(2,1242)	1:210:A:LEU:HD13	1:211:B:GLU:HG3	13	0.46
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	9	0.46
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	11	0.46
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	18	0.46
(2,1016)	1:241:A:ARG:HD3	1:238:A:VAL:HG13	8	0.46
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	3	0.46
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	9	0.46
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG13	3	0.46
(2,844)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	9	0.46
(2,843)	1:254:A:VAL:HG22	2:5483:C:GLN:HE21	20	0.46
(2,820)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	10	0.46
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	16	0.46
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	17	0.46
(2,700)	1:210:A:LEU:HD22	1:208:B:GLU:HA	7	0.46
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	3	0.46
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	17	0.46
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	1	0.46
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD11	5	0.46
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD11	10	0.46
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG12	13	0.46
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	17	0.46
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG12	3	0.46
(2,148)	1:243:A:VAL:HG13	1:242:A:ILE:HD12	16	0.46
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	1	0.46
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD13	16	0.46
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	17	0.46
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	4	0.46
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	4	0.46
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	11	0.46
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	11	0.46
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	11	0.46
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	14	0.46
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	14	0.46
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	14	0.46
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	16	0.46
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	5	0.46
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	5	0.46
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	5	0.46
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	16	0.46
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	16	0.46
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	16	0.46
(1,991)	2:5485:C:LYS:HA	2:5485:C:LYS:HD2	13	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	12	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	12	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	12	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	18	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	18	0.46
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	7	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	8	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	11	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	12	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	15	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	16	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	19	0.46
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	20	0.46
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	9	0.46
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	19	0.46
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	6	0.46
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	10	0.46
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	16	0.46
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	16	0.46
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD21	3	0.46
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	12	0.46
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	7	0.46
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	18	0.46
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	18	0.46
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD23	5	0.46
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD21	6	0.46
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	12	0.46
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	20	0.46
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	9	0.46
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	16	0.46
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	19	0.46
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	4	0.46
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	18	0.46
(1,481)	1:205:A:LEU:HD22	1:208:A:GLU:H	1	0.46
(1,481)	1:205:A:LEU:HD22	1:208:A:GLU:H	6	0.46
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	12	0.46
(1,481)	1:205:A:LEU:HD21	1:208:A:GLU:H	16	0.46
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	7	0.46
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	14	0.46
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	17	0.46
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	1	0.46
(1,427)	1:207:A:VAL:HG11	1:203:B:LEU:HG	14	0.46
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	10	0.46
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	19	0.46
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	15	0.46
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	6	0.46
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD22	3	0.46
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	8	0.46
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	11	0.46
(1,305)	1:243:A:VAL:HG13	1:240:A:GLN:HB2	10	0.46
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	20	0.46
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD11	16	0.46
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	5	0.46
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	8	0.46
(1,192)	1:210:A:LEU:HD22	1:209:B:ASP:H	5	0.46
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD12	13	0.46
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	12	0.46
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	6	0.46
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	17	0.46
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	12	0.46
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	7	0.46
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	15	0.46
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	6	0.45
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	6	0.45
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	6	0.45
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	6	0.45
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	6	0.45
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	6	0.45
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	6	0.45
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	6	0.45
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	6	0.45
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	20	0.45
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	20	0.45
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	20	0.45
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	20	0.45
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	20	0.45
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	20	0.45
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	20	0.45
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	20	0.45
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	20	0.45
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	3	0.45
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	3	0.45
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	3	0.45
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	3	0.45
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	3	0.45
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	3	0.45
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	3	0.45
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	3	0.45
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	1	0.45
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	1	0.45
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	1	0.45
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	1	0.45
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	1	0.45
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	1	0.45
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	1	0.45
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	1	0.45
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	1	0.45
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	4	0.45
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	4	0.45
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	4	0.45
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	4	0.45
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	4	0.45
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	4	0.45
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	4	0.45
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	4	0.45
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	4	0.45
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	4	0.45
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	4	0.45
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	4	0.45
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	2	0.45
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	7	0.45
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	6	0.45
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	9	0.45
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	3	0.45
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG12	10	0.45
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	19	0.45
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	16	0.45
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	12	0.45
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	5	0.45
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD12	4	0.45
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	7	0.45
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	17	0.45
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	14	0.45
(2,1622)	1:254:A:VAL:HG22	1:255:A:ILE:HA	17	0.45
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	19	0.45
(2,1493)	1:200:A:VAL:HG13	1:197:A:MET:HG2	10	0.45
(2,1459)	1:195:A:GLU:HA	1:195:A:GLU:HG3	18	0.45
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	12	0.45
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	3	0.45
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	5	0.45
(2,1362)	1:203:A:LEU:HD13	1:202:A:VAL:H	15	0.45
(2,1358)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	14	0.45
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	1	0.45
(2,1346)	1:203:A:LEU:HD22	1:204:B:LYS:HG3	2	0.45
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	3	0.45
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG13	19	0.45
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG11	20	0.45
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	6	0.45
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG23	13	0.45
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	3	0.45
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	12	0.45
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	4	0.45
(2,1286)	1:205:A:LEU:HD11	1:208:A:GLU:H	5	0.45
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	12	0.45
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	16	0.45
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	9	0.45
(2,1242)	1:210:A:LEU:HD13	1:211:B:GLU:HG3	18	0.45
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	4	0.45
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	9	0.45
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	11	0.45
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD21	3	0.45
(2,994)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	14	0.45
(2,913)	1:245:A:ILE:HG23	1:223:B:ASN:HB2	3	0.45
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	5	0.45
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	2	0.45
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	5	0.45
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	9	0.45
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	11	0.45
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	13	0.45
(2,867)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	17	0.45
(2,847)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	20	0.45
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	15	0.45
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	17	0.45
(2,806)	1:258:A:GLU:HA	1:257:A:ASP:HB2	20	0.45
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	6	0.45
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	13	0.45
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	4	0.45
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	8	0.45
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	5	0.45
(2,101)	1:210:A:LEU:HD21	1:206:A:THR:HG23	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	4	0.45
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	12	0.45
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	12	0.45
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	15	0.45
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	15	0.45
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	15	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	3	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	3	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	3	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	9	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	9	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	9	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	18	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	18	0.45
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	18	0.45
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	6	0.45
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	6	0.45
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	6	0.45
(1,983)	2:5476:C:PRO:HG2	2:5475:C:LYS:HD2	19	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	9	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	9	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	9	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	10	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	10	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	10	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	14	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	14	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	14	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	17	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	17	0.45
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	17	0.45
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	13	0.45
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	13	0.45
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	13	0.45
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	18	0.45
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	18	0.45
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	18	0.45
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	19	0.45
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	19	0.45
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	19	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	1	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	3	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	4	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	5	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	6	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	9	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	10	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	13	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	14	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	17	0.45
(1,909)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	18	0.45
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	18	0.45
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	8	0.45
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	11	0.45
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD22	14	0.45
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	15	0.45
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD22	12	0.45
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	13	0.45
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	9	0.45
(1,592)	1:208:A:GLU:HA	1:212:A:LYS:HD2	6	0.45
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	19	0.45
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	7	0.45
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	11	0.45
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	12	0.45
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	4	0.45
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	5	0.45
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	17	0.45
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	2	0.45
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	10	0.45
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD23	20	0.45
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	2	0.45
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	5	0.45
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	14	0.45
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	17	0.45
(1,428)	1:200:A:VAL:HG12	1:204:A:LYS:HD3	10	0.45
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	17	0.45
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	8	0.45
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	15	0.45
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	20	0.45
(1,383)	1:224:A:ILE:HD12	1:242:B:ILE:HA	14	0.45
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	18	0.45
(1,361)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	14	0.45
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	18	0.45
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	2	0.45
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	7	0.45
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	19	0.45
(1,313)	1:239:A:LEU:HD12	1:231:A:ASN:HB3	15	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD22	12	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	15	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	17	0.45
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	20	0.45
(1,311)	1:239:A:LEU:HD23	1:238:B:VAL:H	3	0.45
(1,309)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	18	0.45
(1,259)	1:246:A:LEU:HD22	2:5479:C:ILE:HG22	3	0.45
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	5	0.45
(1,246)	1:255:A:ILE:HG22	2:5478:C:LYS:HG2	6	0.45
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	2	0.45
(1,193)	1:210:A:LEU:HD23	1:208:B:GLU:H	4	0.45
(1,193)	1:210:A:LEU:HD22	1:212:B:LYS:H	16	0.45
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	13	0.45
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	10	0.45
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	16	0.45
(1,84)	1:196:A:LEU:HD22	1:196:A:LEU:HG	7	0.45
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	12	0.45
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	13	0.45
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	16	0.45
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	9	0.45
(1,32)	1:242:A:ILE:HD13	1:227:A:ILE:HB	10	0.45
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	9	0.45
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	6	0.44
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	6	0.44
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	6	0.44
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	6	0.44
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	6	0.44
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	6	0.44
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	6	0.44
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	6	0.44
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	6	0.44
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	1	0.44
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	1	0.44
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	1	0.44
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	1	0.44
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	1	0.44
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	1	0.44
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	1	0.44
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	1	0.44
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	19	0.44
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	19	0.44
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	19	0.44
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	19	0.44
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	19	0.44
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	19	0.44
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	19	0.44
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	19	0.44
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	19	0.44
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG21	18	0.44
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG22	18	0.44
(2,2638)	1:239:B:LEU:HD21	1:238:A:VAL:HG23	18	0.44
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG21	18	0.44
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG22	18	0.44
(2,2638)	1:239:B:LEU:HD22	1:238:A:VAL:HG23	18	0.44
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG21	18	0.44
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG22	18	0.44
(2,2638)	1:239:B:LEU:HD23	1:238:A:VAL:HG23	18	0.44
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD11	10	0.44
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD12	10	0.44
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD13	10	0.44
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG22	13	0.44
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	9	0.44
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD11	5	0.44
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD13	18	0.44
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	5	0.44
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	19	0.44
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	19	0.44
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	19	0.44
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	1	0.44
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	4	0.44
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	7	0.44
(2,1905)	1:213:A:GLU:H	1:212:A:LYS:HB2	6	0.44
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	3	0.44
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	9	0.44
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	4	0.44
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	11	0.44
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	12	0.44
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	15	0.44
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	5	0.44
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	7	0.44
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	17	0.44
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	1	0.44
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	2	0.44
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	15	0.44
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	20	0.44
(2,1436)	1:207:A:VAL:H	1:207:A:VAL:HG13	13	0.44
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	6	0.44
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	4	0.44
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	6	0.44
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	8	0.44
(2,1357)	1:203:A:LEU:HD13	1:204:B:LYS:HD3	13	0.44
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	19	0.44
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG13	8	0.44
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	1	0.44
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	2	0.44
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	8	0.44
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	1	0.44
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	8	0.44
(2,1286)	1:205:A:LEU:HD11	1:208:A:GLU:H	13	0.44
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	17	0.44
(2,1192)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	8	0.44
(2,1189)	1:213:A:GLU:HG3	1:212:A:LYS:HB2	14	0.44
(2,1118)	1:227:A:ILE:HD12	1:230:A:GLU:H	17	0.44
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	2	0.44
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	19	0.44
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	13	0.44
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	20	0.44
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	2	0.44
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	9	0.44
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	11	0.44
(2,937)	1:244:A:ASP:HB3	1:243:A:VAL:H	20	0.44
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	8	0.44
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	10	0.44
(2,904)	1:246:A:LEU:HD21	1:242:A:ILE:HG12	19	0.44
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	17	0.44
(2,873)	1:206:A:THR:HG22	1:206:A:THR:H	3	0.44
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	4	0.44
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	6	0.44
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:206:A:THR:HG22	1:206:A:THR:H	15	0.44
(2,873)	1:206:A:THR:HG22	1:206:A:THR:H	17	0.44
(2,873)	1:206:A:THR:HG22	1:206:A:THR:H	20	0.44
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	6	0.44
(2,819)	1:255:A:ILE:HG21	1:256:A:PRO:HB3	18	0.44
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD13	7	0.44
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	15	0.44
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD13	9	0.44
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB1	6	0.44
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB2	7	0.44
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB1	16	0.44
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB1	17	0.44
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	2	0.44
(2,294)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	11	0.44
(2,294)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	19	0.44
(2,263)	1:212:A:LYS:HD2	1:212:A:LYS:HB2	7	0.44
(2,184)	1:238:A:VAL:HG22	1:238:A:VAL:HG13	11	0.44
(2,69)	1:242:A:ILE:HD13	1:227:B:ILE:HB	16	0.44
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD13	7	0.44
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD13	14	0.44
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	16	0.44
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	16	0.44
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	16	0.44
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	16	0.44
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	16	0.44
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	16	0.44
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	16	0.44
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	16	0.44
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	16	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	4	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	4	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	4	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	10	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	10	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	10	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	14	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	14	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	14	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	20	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	20	0.44
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	20	0.44
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	1	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	2	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	2	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	2	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	3	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	3	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	3	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	11	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	11	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	11	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	13	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	13	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	13	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	15	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	15	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	15	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	16	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	16	0.44
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	16	0.44
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	2	0.44
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	2	0.44
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	2	0.44
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	6	0.44
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD22	16	0.44
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD23	3	0.44
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	18	0.44
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	2	0.44
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	17	0.44
(1,613)	1:223:A:ASN:HB2	1:242:B:ILE:HG22	18	0.44
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	11	0.44
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	12	0.44
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	17	0.44
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	8	0.44
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	1	0.44
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	6	0.44
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	14	0.44
(1,524)	1:207:A:VAL:HG12	1:204:A:LYS:HD2	6	0.44
(1,524)	1:207:A:VAL:HG11	1:204:A:LYS:HD2	11	0.44
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG23	20	0.44
(1,513)	1:201:A:LYS:HB2	1:200:A:VAL:HG23	12	0.44
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	5	0.44
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	18	0.44
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	11	0.44
(1,373)	1:226:A:LEU:HD13	2:5476:C:PRO:HD2	20	0.44
(1,344)	1:232:A:GLU:HG2	1:233:A:GLY:HA3	12	0.44
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG22	18	0.44
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	2	0.44
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	6	0.44
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	7	0.44
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD21	13	0.44
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	9	0.44
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	11	0.44
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	12	0.44
(1,237)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	4	0.44
(1,237)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	14	0.44
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	2	0.44
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	11	0.44
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	12	0.44
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD11	14	0.44
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD11	16	0.44
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD11	20	0.44
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	19	0.44
(1,193)	1:210:A:LEU:HD22	1:212:B:LYS:H	5	0.44
(1,193)	1:210:A:LEU:HD22	1:212:B:LYS:H	6	0.44
(1,193)	1:210:A:LEU:HD22	1:212:B:LYS:H	14	0.44
(1,192)	1:210:A:LEU:HD22	1:209:B:ASP:H	6	0.44
(1,192)	1:210:A:LEU:HD21	1:209:B:ASP:H	9	0.44
(1,171)	1:223:A:ASN:HA	1:227:A:ILE:HB	2	0.44
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	11	0.44
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	19	0.44
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	4	0.44
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD22	4	0.44
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG22	1	0.44
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	2	0.44
(1,95)	1:207:A:VAL:HG21	1:204:A:LYS:HE3	18	0.44
(1,84)	1:196:A:LEU:HD22	1:196:A:LEU:HG	2	0.44
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	5	0.44
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	6	0.44
(1,84)	1:196:A:LEU:HD22	1:196:A:LEU:HG	9	0.44
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	15	0.44
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	17	0.44
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	20	0.44
(1,79)	1:203:A:LEU:HD12	1:200:A:VAL:HA	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:201:A:LYS:HA	1:205:A:LEU:HG	18	0.44
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	19	0.43
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	19	0.43
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	19	0.43
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	19	0.43
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	19	0.43
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	19	0.43
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	19	0.43
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	19	0.43
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	19	0.43
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	6	0.43
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	6	0.43
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	6	0.43
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	6	0.43
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	6	0.43
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	6	0.43
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	6	0.43
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	6	0.43
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	6	0.43
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	11	0.43
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	11	0.43
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	11	0.43
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG21	10	0.43
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	11	0.43
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	18	0.43
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	2	0.43
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD12	1	0.43
(2,2352)	1:203:A:LEU:HD23	1:204:B:LYS:H	11	0.43
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD13	15	0.43
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG11	13	0.43
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	4	0.43
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD22	5	0.43
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	14	0.43
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	19	0.43
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	1	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	1	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	2	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	3	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	5	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	6	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	7	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	9	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	10	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	14	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	17	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	18	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	19	0.43
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	20	0.43
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	11	0.43
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	12	0.43
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	13	0.43
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	16	0.43
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	11	0.43
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	20	0.43
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	3	0.43
(2,1396)	1:203:A:LEU:HD22	1:202:A:VAL:HB	18	0.43
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	18	0.43
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	6	0.43
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG23	3	0.43
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	7	0.43
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	19	0.43
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	9	0.43
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	14	0.43
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	19	0.43
(2,1238)	1:210:A:LEU:HD11	1:214:B:ARG:HD3	8	0.43
(2,1204)	1:212:A:LYS:HG2	1:212:A:LYS:HE2	6	0.43
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	7	0.43
(2,1118)	1:227:A:ILE:HD11	1:230:A:GLU:H	16	0.43
(2,1015)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	17	0.43
(2,1010)	1:238:A:VAL:HG23	1:231:B:ASN:HD22	11	0.43
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	4	0.43
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	12	0.43
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	19	0.43
(2,947)	1:243:A:VAL:HG11	1:246:A:LEU:HB3	16	0.43
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	14	0.43
(2,904)	1:246:A:LEU:HD22	1:242:A:ILE:HG12	6	0.43
(2,891)	1:246:A:LEU:HD13	1:225:A:GLU:HG2	11	0.43
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	14	0.43
(2,872)	1:206:A:THR:HG23	1:209:A:ASP:H	13	0.43
(2,867)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	2	0.43
(2,849)	1:254:A:VAL:HG11	2:5483:C:GLN:H	7	0.43
(2,846)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	6	0.43
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	18	0.43
(2,703)	1:210:A:LEU:HD21	1:211:B:GLU:H	7	0.43
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	14	0.43
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD12	15	0.43
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	11	0.43
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	16	0.43
(2,278)	1:207:A:VAL:HG13	1:203:B:LEU:HD11	2	0.43
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD12	6	0.43
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD13	16	0.43
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD11	12	0.43
(2,263)	1:212:A:LYS:HD2	1:212:A:LYS:HB2	1	0.43
(2,262)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	2	0.43
(2,262)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	4	0.43
(2,184)	1:238:A:VAL:HG22	1:238:A:VAL:HG12	18	0.43
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	2	0.43
(2,111)	1:249:A:THR:HG22	1:249:A:THR:HA	12	0.43
(2,93)	1:254:A:VAL:HG13	2:5481:C:THR:HG21	15	0.43
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	2	0.43
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD23	16	0.43
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD11	18	0.43
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	17	0.43
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	17	0.43
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	7	0.43
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	7	0.43
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	7	0.43
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	17	0.43
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	17	0.43
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	17	0.43
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	16	0.43
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	16	0.43
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	16	0.43
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	11	0.43
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	12	0.43
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	8	0.43
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	15	0.43
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	20	0.43
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	17	0.43
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	17	0.43
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	17	0.43
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	4	0.43
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	20	0.43
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	5	0.43
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	13	0.43
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	6	0.43
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	6	0.43
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	6	0.43
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	6	0.43
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	6	0.43
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	6	0.43
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	6	0.43
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	6	0.43
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	6	0.43
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	12	0.43
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	12	0.43
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	12	0.43
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	12	0.43
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	12	0.43
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	12	0.43
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	12	0.43
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	12	0.43
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	12	0.43
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD21	8	0.43
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	15	0.43
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD21	14	0.43
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	4	0.43
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	5	0.43
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	11	0.43
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	6	0.43
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	16	0.43
(1,615)	1:223:A:ASN:HB2	1:224:A:ILE:HD12	3	0.43
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	11	0.43
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	18	0.43
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	7	0.43
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	4	0.43
(1,571)	1:208:A:GLU:HG2	1:204:A:LYS:HG3	17	0.43
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	3	0.43
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	10	0.43
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	3	0.43
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	10	0.43
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	4	0.43
(1,513)	1:201:A:LYS:HB2	1:200:A:VAL:HG21	13	0.43
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	18	0.43
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	3	0.43
(1,481)	1:205:A:LEU:HD22	1:208:A:GLU:H	14	0.43
(1,469)	1:203:A:LEU:HD21	1:205:A:LEU:H	4	0.43
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	20	0.43
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG13	15	0.43
(1,428)	1:200:A:VAL:HG11	1:204:A:LYS:HD3	20	0.43
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	7	0.43
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	7	0.43
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	1	0.43
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	3	0.43
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	7	0.43
(1,285)	1:238:A:VAL:HG22	1:241:A:ARG:HG3	8	0.43
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG21	2	0.43
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	4	0.43
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	5	0.43
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	18	0.43
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	2	0.43
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	3	0.43
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	4	0.43
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	10	0.43
(1,181)	1:214:A:ARG:HA	1:210:B:LEU:HD11	3	0.43
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	5	0.43
(1,171)	1:223:A:ASN:HA	1:227:A:ILE:HB	18	0.43
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	17	0.43
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	3	0.43
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	5	0.43
(1,102)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	5	0.43
(1,84)	1:196:A:LEU:HD22	1:196:A:LEU:HG	1	0.43
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	10	0.43
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	14	0.43
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	18	0.43
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	1	0.43
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	11	0.43
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	19	0.42
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	19	0.42
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	19	0.42
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	19	0.42
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	19	0.42
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	19	0.42
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	19	0.42
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	19	0.42
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	15	0.42
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	15	0.42
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	15	0.42
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	9	0.42
(2,2496)	1:197:A:MET:HE3	1:196:B:LEU:HD21	20	0.42
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	16	0.42
(2,2369)	1:210:A:LEU:HD21	1:211:B:GLU:H	7	0.42
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	14	0.42
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	17	0.42
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	14	0.42
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	19	0.42
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	6	0.42
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	8	0.42
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	4	0.42
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD23	9	0.42
(2,1745)	1:239:A:LEU:HD21	1:235:A:ASN:HB3	5	0.42
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	17	0.42
(2,1556)	1:192:A:GLU:HB2	1:192:A:GLU:HG2	16	0.42
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	3	0.42
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	7	0.42
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	8	0.42
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB2	16	0.42
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	3	0.42
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	13	0.42
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB1	4	0.42
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	12	0.42
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	8	0.42
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB2	7	0.42
(2,1357)	1:203:A:LEU:HD11	1:204:B:LYS:HD3	12	0.42
(2,1346)	1:203:A:LEU:HD22	1:204:B:LYS:HG3	4	0.42
(2,1339)	1:200:A:VAL:H	1:201:A:LYS:HB2	19	0.42
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	17	0.42
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	9	0.42
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	10	0.42
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD22	2	0.42
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	10	0.42
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	20	0.42
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	1	0.42
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	2	0.42
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	6	0.42
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	1	0.42
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	3	0.42
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	6	0.42
(2,1242)	1:210:A:LEU:HD12	1:211:B:GLU:HG3	4	0.42
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	6	0.42
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	10	0.42
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	11	0.42
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	15	0.42
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	20	0.42
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	12	0.42
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	7	0.42
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	3	0.42
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	16	0.42
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG13	15	0.42
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	11	0.42
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	11	0.42
(2,904)	1:246:A:LEU:HD23	1:242:A:ILE:HG12	15	0.42
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	1	0.42
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	16	0.42
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	19	0.42
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	19	0.42
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG12	1	0.42
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG13	6	0.42
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	1	0.42
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD12	19	0.42
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	11	0.42
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	11	0.42
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	7	0.42
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	12	0.42
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	13	0.42
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	20	0.42
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB1	19	0.42
(2,377)	1:198:A:GLN:HG2	1:201:A:LYS:HB2	19	0.42
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	12	0.42
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	2	0.42
(2,278)	1:207:A:VAL:HG11	1:203:B:LEU:HD13	12	0.42
(2,262)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	1	0.42
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	1	0.42
(2,108)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	4	0.42
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	6	0.42
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	10	0.42
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	11	0.42
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	11	0.42
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	16	0.42
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	16	0.42
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	16	0.42
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	14	0.42
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	6	0.42
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	6	0.42
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	6	0.42
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	11	0.42
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	11	0.42
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	11	0.42
(1,1021)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	5	0.42
(1,1021)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	5	0.42
(1,1021)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	5	0.42
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	11	0.42
(1,976)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	9	0.42
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	3	0.42
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	20	0.42
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	8	0.42
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	10	0.42
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	7	0.42
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	7	0.42
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	7	0.42
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	2	0.42
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	2	0.42
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	2	0.42
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	7	0.42
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	8	0.42
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	11	0.42
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	12	0.42
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	15	0.42
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	20	0.42
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	6	0.42
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	13	0.42
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	6	0.42
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	13	0.42
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD22	3	0.42
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	11	0.42
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD22	1	0.42
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	8	0.42
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	16	0.42
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:193:A:ALA:HB1	1:194:A:ALA:HA	2	0.42
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	19	0.42
(1,550)	1:195:A:GLU:H	1:196:A:LEU:HD12	5	0.42
(1,524)	1:207:A:VAL:HG13	1:204:A:LYS:HD2	2	0.42
(1,524)	1:207:A:VAL:HG13	1:204:A:LYS:HD2	19	0.42
(1,497)	1:202:A:VAL:HG13	1:198:A:GLN:H	15	0.42
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG21	1	0.42
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	8	0.42
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	16	0.42
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	3	0.42
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	19	0.42
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	5	0.42
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	6	0.42
(1,427)	1:207:A:VAL:HG12	1:203:B:LEU:HG	7	0.42
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD22	20	0.42
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	10	0.42
(1,412)	1:209:A:ASP:H	1:210:A:LEU:HD12	8	0.42
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD12	2	0.42
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	18	0.42
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	12	0.42
(1,326)	1:238:A:VAL:HG11	1:228:B:CYS:HA	9	0.42
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD22	16	0.42
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	17	0.42
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	13	0.42
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	7	0.42
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	10	0.42
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD12	1	0.42
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	3	0.42
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD11	7	0.42
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	1	0.42
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	7	0.42
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	18	0.42
(1,193)	1:210:A:LEU:HD21	1:212:B:LYS:H	11	0.42
(1,193)	1:210:A:LEU:HD23	1:212:B:LYS:H	13	0.42
(1,192)	1:210:A:LEU:HD21	1:209:B:ASP:H	2	0.42
(1,192)	1:210:A:LEU:HD21	1:209:B:ASP:H	11	0.42
(1,192)	1:210:A:LEU:HD21	1:209:B:ASP:H	12	0.42
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	1	0.42
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	9	0.42
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD23	3	0.42
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	17	0.42
(1,102)	1:200:A:VAL:HG12	1:198:A:GLN:HG2	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	3	0.42
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	10	0.42
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	20	0.42
(1,84)	1:196:A:LEU:HD23	1:196:A:LEU:HG	3	0.42
(1,84)	1:196:A:LEU:HD22	1:196:A:LEU:HG	11	0.42
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	19	0.42
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	14	0.41
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	14	0.41
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	14	0.41
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	11	0.41
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	11	0.41
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	11	0.41
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	11	0.41
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	11	0.41
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	11	0.41
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG23	9	0.41
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	11	0.41
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	8	0.41
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	19	0.41
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	8	0.41
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	6	0.41
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	15	0.41
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	9	0.41
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	11	0.41
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	13	0.41
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	16	0.41
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	2	0.41
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	7	0.41
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	19	0.41
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	8	0.41
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD22	18	0.41
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	1	0.41
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	8	0.41
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	1	0.41
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	8	0.41
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	2	0.41
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	14	0.41
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	17	0.41
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB2	18	0.41
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD12	8	0.41
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	4	0.41
(2,1474)	1:199:A:GLN:H	1:198:A:GLN:HG2	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB2	18	0.41
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	8	0.41
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	17	0.41
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	20	0.41
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	4	0.41
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	12	0.41
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	4	0.41
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	8	0.41
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	1	0.41
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	19	0.41
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	1	0.41
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	8	0.41
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	18	0.41
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	5	0.41
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	14	0.41
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	10	0.41
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	15	0.41
(2,887)	1:246:A:LEU:HD23	1:222:A:ARG:HA	4	0.41
(2,873)	1:206:A:THR:HG21	1:206:A:THR:H	8	0.41
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	18	0.41
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	13	0.41
(2,818)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	7	0.41
(2,802)	1:252:A:GLY:H	1:251:A:GLU:HG2	1	0.41
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	1	0.41
(2,783)	1:241:A:ARG:H	1:242:A:ILE:HD11	12	0.41
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	4	0.41
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	3	0.41
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	11	0.41
(2,438)	1:227:A:ILE:HG12	1:242:B:ILE:HD11	11	0.41
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD12	4	0.41
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD12	17	0.41
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	7	0.41
(2,410)	1:194:A:ALA:HB1	1:194:A:ALA:HA	9	0.41
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	16	0.41
(2,387)	1:197:A:MET:HE1	1:200:A:VAL:HG13	15	0.41
(2,387)	1:197:A:MET:HE2	1:200:A:VAL:HG12	16	0.41
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB1	1	0.41
(2,343)	1:202:A:VAL:HG13	1:199:A:GLN:HA	9	0.41
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG21	15	0.41
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD12	10	0.41
(2,262)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	6	0.41
(2,185)	1:238:A:VAL:HG22	1:239:B:LEU:HD22	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	7	0.41
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD12	7	0.41
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD12	10	0.41
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	13	0.41
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD13	20	0.41
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	15	0.41
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	15	0.41
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	4	0.41
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	4	0.41
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	4	0.41
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	4	0.41
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	4	0.41
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	12	0.41
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	12	0.41
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	12	0.41
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	14	0.41
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	14	0.41
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	14	0.41
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	11	0.41
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	11	0.41
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	11	0.41
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	19	0.41
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	19	0.41
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	19	0.41
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	11	0.41
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	12	0.41
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	8	0.41
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	12	0.41
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	15	0.41
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	20	0.41
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	8	0.41
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	8	0.41
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	8	0.41
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	17	0.41
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	17	0.41
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	17	0.41
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	20	0.41
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	20	0.41
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	20	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	1	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	2	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	4	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	6	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	9	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	10	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	13	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	14	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	16	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	17	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	18	0.41
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	19	0.41
(1,901)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE3	8	0.41
(1,901)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE3	20	0.41
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	10	0.41
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	11	0.41
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	9	0.41
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	18	0.41
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD22	5	0.41
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD22	2	0.41
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD23	6	0.41
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	17	0.41
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	18	0.41
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	2	0.41
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	10	0.41
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	5	0.41
(1,569)	1:205:A:LEU:HD22	1:209:A:ASP:HA	6	0.41
(1,568)	1:200:A:VAL:HB	1:203:A:LEU:H	9	0.41
(1,556)	1:193:A:ALA:HB1	1:194:A:ALA:HA	8	0.41
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	11	0.41
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	20	0.41
(1,505)	1:201:A:LYS:HE2	1:201:A:LYS:HA	17	0.41
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG11	8	0.41
(1,481)	1:205:A:LEU:HD21	1:208:A:GLU:H	15	0.41
(1,481)	1:205:A:LEU:HD22	1:208:A:GLU:H	20	0.41
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	9	0.41
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG11	11	0.41
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD21	15	0.41
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD21	18	0.41
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	5	0.41
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	4	0.41
(1,340)	1:235:A:ASN:HB2	1:240:A:GLN:HG2	6	0.41
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	12	0.41
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:239:A:LEU:HD11	1:231:A:ASN:HB2	2	0.41
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	19	0.41
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	1	0.41
(1,310)	1:239:A:LEU:HD22	1:234:A:GLU:HB2	3	0.41
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	11	0.41
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	17	0.41
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	18	0.41
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	4	0.41
(1,198)	1:209:A:ASP:HA	1:210:B:LEU:HD22	1	0.41
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	8	0.41
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	6	0.41
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	10	0.41
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD22	13	0.41
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	1	0.41
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	4	0.41
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	14	0.41
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	7	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	7	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	7	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	7	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	7	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	7	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	7	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	7	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	7	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	10	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	10	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	10	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	10	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	10	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	10	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	10	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	10	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	10	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	11	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	11	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	11	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	11	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	11	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	11	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	11	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	11	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	16	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	16	0.4
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	16	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	16	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	16	0.4
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	16	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	16	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	16	0.4
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	16	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	2	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	2	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	2	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	2	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	2	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	2	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	2	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	2	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	2	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	14	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	14	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	14	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	14	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	14	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	14	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	14	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	14	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	14	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	16	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	16	0.4
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	16	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	16	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	16	0.4
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	16	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	16	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	16	0.4
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	16	0.4
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	3	0.4
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	3	0.4
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	3	0.4
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	3	0.4
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	3	0.4
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	3	0.4
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	3	0.4
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	3	0.4
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	15	0.4
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	15	0.4
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	15	0.4
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG11	20	0.4
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB3	6	0.4
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG21	8	0.4
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG21	16	0.4
(2,2440)	1:249:A:THR:HG21	1:216:B:PHE:HZ	9	0.4
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	6	0.4
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD13	12	0.4
(2,2372)	1:210:A:LEU:HD13	1:211:B:GLU:HA	2	0.4
(2,2372)	1:210:A:LEU:HD12	1:211:B:GLU:HA	3	0.4
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	6	0.4
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	9	0.4
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	8	0.4
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	1	0.4
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	10	0.4
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	17	0.4
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	9	0.4
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	8	0.4
(2,2063)	1:251:A:GLU:H	1:250:A:ASP:HB2	13	0.4
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	5	0.4
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	10	0.4
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG22	18	0.4
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	7	0.4
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	2	0.4
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	15	0.4
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	16	0.4
(2,1589)	1:230:A:GLU:HG2	1:231:A:ASN:HD22	18	0.4
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	18	0.4
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	14	0.4
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	12	0.4
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	15	0.4
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	16	0.4
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB1	1	0.4
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	6	0.4
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	1	0.4
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	4	0.4
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG21	4	0.4
(2,1305)	1:204:A:LYS:HE3	1:200:A:VAL:HG22	20	0.4
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	18	0.4
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	19	0.4
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	3	0.4
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	4	0.4
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD12	5	0.4
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD11	11	0.4
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	17	0.4
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	1	0.4
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	6	0.4
(2,1142)	1:220:A:LYS:HA	1:224:A:ILE:HG22	13	0.4
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	8	0.4
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	12	0.4
(2,1118)	1:227:A:ILE:HD12	1:230:A:GLU:H	13	0.4
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	5	0.4
(2,1094)	1:228:A:CYS:HB3	1:229:A:GLN:HB3	12	0.4
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	15	0.4
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	5	0.4
(2,916)	1:245:A:ILE:HG23	1:223:B:ASN:H	10	0.4
(2,873)	1:206:A:THR:HG23	1:206:A:THR:H	10	0.4
(2,843)	1:254:A:VAL:HG21	2:5483:C:GLN:HE21	16	0.4
(2,700)	1:210:A:LEU:HD21	1:208:B:GLU:HA	15	0.4
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB1	2	0.4
(2,448)	1:255:A:ILE:HG23	1:249:A:THR:HA	13	0.4
(2,438)	1:227:A:ILE:HG12	1:242:B:ILE:HD11	6	0.4
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	1	0.4
(2,416)	1:193:A:ALA:HB1	1:193:A:ALA:HA	6	0.4
(2,416)	1:193:A:ALA:HB1	1:193:A:ALA:HA	10	0.4
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	14	0.4
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	2	0.4
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	3	0.4
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	4	0.4
(2,410)	1:194:A:ALA:HB1	1:194:A:ALA:HA	5	0.4
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	6	0.4
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	14	0.4
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	15	0.4
(2,410)	1:194:A:ALA:HB3	1:194:A:ALA:HA	17	0.4
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	11	0.4
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG21	20	0.4
(2,333)	1:243:A:VAL:HG22	1:247:A:TYR:HE2	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	11	0.4
(2,225)	1:226:A:LEU:HD11	1:222:A:ARG:HD3	12	0.4
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD13	7	0.4
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG21	18	0.4
(2,85)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	17	0.4
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	6	0.4
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	9	0.4
(1,1119)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	12	0.4
(1,1119)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	12	0.4
(1,1119)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	12	0.4
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	4	0.4
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	4	0.4
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	4	0.4
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	4	0.4
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	4	0.4
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	4	0.4
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	4	0.4
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	4	0.4
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	4	0.4
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	3	0.4
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	3	0.4
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	3	0.4
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	12	0.4
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	12	0.4
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	12	0.4
(1,1040)	1:255:A:ILE:HG13	2:5480:C:PRO:HB3	3	0.4
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	7	0.4
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	7	0.4
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	7	0.4
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD11	15	0.4
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD12	15	0.4
(1,1031)	2:5478:C:LYS:HD3	1:255:A:ILE:HD13	15	0.4
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	2	0.4
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	2	0.4
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	2	0.4
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	2	0.4
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	2	0.4
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	2	0.4
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	2	0.4
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	2	0.4
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	2	0.4
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	17	0.4
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	17	0.4
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	3	0.4
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	13	0.4
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	6	0.4
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	7	0.4
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	14	0.4
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	16	0.4
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	18	0.4
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	7	0.4
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	11	0.4
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	7	0.4
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	8	0.4
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	8	0.4
(1,919)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	8	0.4
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	9	0.4
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	9	0.4
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	9	0.4
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	7	0.4
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	7	0.4
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	7	0.4
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	13	0.4
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	13	0.4
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	13	0.4
(1,910)	2:5478:C:LYS:HD3	2:5478:C:LYS:HD2	5	0.4
(1,870)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	1	0.4
(1,835)	2:5482:C:PRO:HB3	2:5481:C:THR:HB	14	0.4
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	17	0.4
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	20	0.4
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	4	0.4
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	4	0.4
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	4	0.4
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	4	0.4
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	4	0.4
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	4	0.4
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	4	0.4
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	4	0.4
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	4	0.4
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	13	0.4
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	13	0.4
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	13	0.4
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	13	0.4
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	13	0.4
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	13	0.4
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	13	0.4
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	13	0.4
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD23	14	0.4
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	4	0.4
(1,629)	1:236:A:ASP:HB2	1:234:A:GLU:HB3	20	0.4
(1,621)	1:210:A:LEU:HG	1:213:A:GLU:H	19	0.4
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	15	0.4
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	3	0.4
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	5	0.4
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	6	0.4
(1,579)	1:238:A:VAL:HG21	1:231:B:ASN:HA	16	0.4
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	12	0.4
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	9	0.4
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	13	0.4
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	18	0.4
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	17	0.4
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	18	0.4
(1,481)	1:205:A:LEU:HD21	1:208:A:GLU:H	18	0.4
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	8	0.4
(1,429)	1:200:A:VAL:HG11	1:196:B:LEU:HB3	15	0.4
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	3	0.4
(1,412)	1:213:A:GLU:H	1:210:A:LEU:HD12	10	0.4
(1,393)	1:221:A:LEU:HD13	1:220:B:LYS:HA	8	0.4
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG23	13	0.4
(1,326)	1:238:A:VAL:HG13	1:239:A:LEU:HA	18	0.4
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	18	0.4
(1,308)	1:239:A:LEU:HD21	1:236:B:ASP:HB3	18	0.4
(1,234)	1:254:A:VAL:HG23	1:255:A:ILE:HG12	11	0.4
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	5	0.4
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	8	0.4
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	1	0.4
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	2	0.4
(1,102)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	10	0.4
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	3	0.39
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	3	0.39
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	3	0.39
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	5	0.39
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	5	0.39
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	5	0.39
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	5	0.39
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	5	0.39
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	5	0.39
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	5	0.39
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	5	0.39
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	8	0.39
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	8	0.39
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	8	0.39
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	8	0.39
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	8	0.39
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	8	0.39
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	8	0.39
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	8	0.39
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	8	0.39
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	17	0.39
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	17	0.39
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	17	0.39
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	17	0.39
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	17	0.39
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	17	0.39
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	17	0.39
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	17	0.39
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	17	0.39
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	6	0.39
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	6	0.39
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	6	0.39
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	6	0.39
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	6	0.39
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	6	0.39
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	6	0.39
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	6	0.39
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	6	0.39
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	15	0.39
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	15	0.39
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	15	0.39
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	15	0.39
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	15	0.39
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	15	0.39
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG21	15	0.39
(2,2511)	1:210:A:LEU:HD21	1:210:B:LEU:HB3	18	0.39
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB1	5	0.39
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB3	15	0.39
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	19	0.39
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD13	15	0.39
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	1	0.39
(2,2352)	1:203:A:LEU:HD21	1:204:B:LYS:H	18	0.39
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD13	17	0.39
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	6	0.39
(2,2331)	1:225:A:GLU:H	1:229:A:GLN:HG2	13	0.39
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	7	0.39
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	2	0.39
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	6	0.39
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	7	0.39
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	12	0.39
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	15	0.39
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	9	0.39
(2,1745)	1:239:A:LEU:HD23	1:235:A:ASN:HB3	19	0.39
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	5	0.39
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	7	0.39
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	14	0.39
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	8	0.39
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	16	0.39
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	1	0.39
(2,1487)	1:197:A:MET:HG3	1:196:B:LEU:HD11	10	0.39
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	5	0.39
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	11	0.39
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	13	0.39
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	20	0.39
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	9	0.39
(2,1396)	1:203:A:LEU:HD21	1:202:A:VAL:HB	14	0.39
(2,1387)	1:202:A:VAL:HG13	1:204:A:LYS:H	2	0.39
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	14	0.39
(2,1359)	1:196:A:LEU:HD22	1:197:B:MET:H	8	0.39
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	12	0.39
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	2	0.39
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	7	0.39
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	10	0.39
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	18	0.39
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD21	7	0.39
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	8	0.39
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	15	0.39
(2,1242)	1:210:A:LEU:HD12	1:211:B:GLU:HG3	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	1	0.39
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD21	3	0.39
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	1	0.39
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	6	0.39
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	8	0.39
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	11	0.39
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	15	0.39
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	19	0.39
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	13	0.39
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG11	20	0.39
(2,913)	1:245:A:ILE:HG21	1:223:B:ASN:HB2	6	0.39
(2,904)	1:246:A:LEU:HD22	1:242:A:ILE:HG12	12	0.39
(2,887)	1:246:A:LEU:HD21	1:222:A:ARG:HA	12	0.39
(2,878)	1:248:A:ALA:HB3	1:220:B:LYS:HB2	20	0.39
(2,873)	1:206:A:THR:HG22	1:206:A:THR:H	7	0.39
(2,872)	1:206:A:THR:HG22	1:209:A:ASP:H	1	0.39
(2,849)	1:254:A:VAL:HG11	2:5483:C:GLN:H	2	0.39
(2,843)	1:254:A:VAL:HG23	2:5483:C:GLN:HE21	12	0.39
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	5	0.39
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	15	0.39
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	2	0.39
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	6	0.39
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	11	0.39
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	15	0.39
(2,703)	1:210:A:LEU:HD23	1:211:B:GLU:H	15	0.39
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	17	0.39
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	15	0.39
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	6	0.39
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD11	2	0.39
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	2	0.39
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	8	0.39
(2,416)	1:193:A:ALA:HB1	1:193:A:ALA:HA	11	0.39
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	17	0.39
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	19	0.39
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	1	0.39
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	8	0.39
(2,410)	1:194:A:ALA:HB2	1:194:A:ALA:HA	10	0.39
(2,410)	1:194:A:ALA:HB1	1:194:A:ALA:HA	19	0.39
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB3	2	0.39
(2,386)	1:197:A:MET:HE1	1:193:A:ALA:HB1	3	0.39
(2,378)	1:198:A:GLN:HB2	1:202:A:VAL:HB	15	0.39
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG21	19	0.39
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	9	0.39
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD12	2	0.39
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD11	3	0.39
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	4	0.39
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	8	0.39
(2,85)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	10	0.39
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	11	0.39
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD22	6	0.39
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	2	0.39
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	5	0.39
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	5	0.39
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	5	0.39
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	14	0.39
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	14	0.39
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	14	0.39
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	16	0.39
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	16	0.39
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	13	0.39
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	13	0.39
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	13	0.39
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	9	0.39
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	9	0.39
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	9	0.39
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	9	0.39
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	9	0.39
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	9	0.39
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	9	0.39
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	9	0.39
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	9	0.39
(1,1018)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	6	0.39
(1,1018)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	6	0.39
(1,1018)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	6	0.39
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	2	0.39
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	2	0.39
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	2	0.39
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	7	0.39
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	7	0.39
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	7	0.39
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	9	0.39
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	9	0.39
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	12	0.39
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	12	0.39
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	12	0.39
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	5	0.39
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	5	0.39
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	5	0.39
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	7	0.39
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	7	0.39
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	7	0.39
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	14	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	2	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	3	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	4	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	5	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	9	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	10	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	13	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	17	0.39
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	19	0.39
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	1	0.39
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	4	0.39
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	5	0.39
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	6	0.39
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	14	0.39
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	19	0.39
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	18	0.39
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	4	0.39
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	4	0.39
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	4	0.39
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	15	0.39
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	15	0.39
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	15	0.39
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	3	0.39
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	6	0.39
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	15	0.39
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	19	0.39
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	10	0.39
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	14	0.39
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	14	0.39
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD22	7	0.39
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD21	10	0.39
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	19	0.39
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD23	11	0.39
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	1	0.39
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	2	0.39
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	8	0.39
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	10	0.39
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	17	0.39
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	20	0.39
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	3	0.39
(1,569)	1:205:A:LEU:HD21	1:209:A:ASP:HA	19	0.39
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	7	0.39
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	4	0.39
(1,505)	1:201:A:LYS:HE2	1:201:A:LYS:HA	14	0.39
(1,496)	1:202:A:VAL:HG11	1:201:A:LYS:HG3	14	0.39
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	2	0.39
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG22	4	0.39
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG21	8	0.39
(1,481)	1:205:A:LEU:HD23	1:208:A:GLU:H	7	0.39
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	12	0.39
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	18	0.39
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	20	0.39
(1,432)	1:200:A:VAL:HG12	1:202:A:VAL:H	16	0.39
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	4	0.39
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	19	0.39
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	7	0.39
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	20	0.39
(1,341)	1:234:A:GLU:HG3	1:231:A:ASN:HA	4	0.39
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	19	0.39
(1,311)	1:239:A:LEU:HD21	1:238:B:VAL:H	9	0.39
(1,309)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	9	0.39
(1,282)	1:245:A:ILE:HD11	1:244:A:ASP:HB2	8	0.39
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	1	0.39
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	1	0.39
(1,231)	1:255:A:ILE:HD13	2:5480:C:PRO:HB3	18	0.39
(1,222)	1:242:A:ILE:HD13	1:244:A:ASP:H	8	0.39
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	6	0.39
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	14	0.39
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	16	0.39
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	12	0.39
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD11	14	0.39
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD11	16	0.39
(1,95)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	8	0.39
(1,84)	1:196:A:LEU:HD21	1:196:A:LEU:HG	8	0.39
(1,26)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	10	0.39
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	1	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	1	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	1	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	1	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	1	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	1	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	1	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	1	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	1	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	9	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	9	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	9	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	9	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	9	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	9	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	9	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	9	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	9	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	15	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	15	0.38
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	15	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	15	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	15	0.38
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	15	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	15	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	15	0.38
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	15	0.38
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	5	0.38
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	5	0.38
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	5	0.38
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	5	0.38
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	5	0.38
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	5	0.38
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	5	0.38
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	5	0.38
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	5	0.38
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	9	0.38
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	9	0.38
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	9	0.38
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	9	0.38
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	9	0.38
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	9	0.38
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	9	0.38
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	9	0.38
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	11	0.38
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	11	0.38
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	11	0.38
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	11	0.38
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	11	0.38
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	11	0.38
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	11	0.38
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	11	0.38
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	11	0.38
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	3	0.38
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	3	0.38
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	3	0.38
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	3	0.38
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	3	0.38
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	3	0.38
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	3	0.38
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	3	0.38
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	3	0.38
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	9	0.38
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	9	0.38
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	9	0.38
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	9	0.38
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	9	0.38
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	9	0.38
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	9	0.38
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	9	0.38
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	9	0.38
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	3	0.38
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	3	0.38
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	3	0.38
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG11	8	0.38
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG11	15	0.38
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB3	17	0.38
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	5	0.38
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	12	0.38
(2,2395)	1:227:A:ILE:HG23	1:241:B:ARG:HD3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD11	8	0.38
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD12	11	0.38
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	16	0.38
(2,2372)	1:210:A:LEU:HD13	1:211:B:GLU:HA	18	0.38
(2,2369)	1:210:A:LEU:HD23	1:211:B:GLU:H	15	0.38
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	2	0.38
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	7	0.38
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	10	0.38
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	17	0.38
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG12	4	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	3	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	6	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	8	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	10	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	11	0.38
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	19	0.38
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	10	0.38
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	2	0.38
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	17	0.38
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	1	0.38
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	2	0.38
(2,1723)	1:196:A:LEU:HD22	1:192:A:GLU:HG2	6	0.38
(2,1702)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	10	0.38
(2,1658)	1:198:A:GLN:HE21	1:201:A:LYS:HE2	18	0.38
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	2	0.38
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	6	0.38
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	2	0.38
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB1	4	0.38
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	6	0.38
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	6	0.38
(2,1451)	1:200:A:VAL:H	1:199:A:GLN:HG2	13	0.38
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	3	0.38
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	1	0.38
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	17	0.38
(2,1384)	1:202:A:VAL:HG11	1:199:A:GLN:HG3	16	0.38
(2,1358)	1:196:A:LEU:HD22	1:193:B:ALA:HB1	3	0.38
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	17	0.38
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG11	2	0.38
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG13	9	0.38
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	3	0.38
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	19	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	3	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	4	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	6	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	8	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	11	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	19	0.38
(2,1304)	1:204:A:LYS:HE3	1:204:A:LYS:HG2	20	0.38
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	14	0.38
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	16	0.38
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	20	0.38
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	6	0.38
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	2	0.38
(2,1204)	1:212:A:LYS:HG2	1:212:A:LYS:HE2	8	0.38
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	16	0.38
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	20	0.38
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	12	0.38
(2,995)	1:234:A:GLU:HG3	1:239:A:LEU:HD21	10	0.38
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	5	0.38
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	8	0.38
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	5	0.38
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	16	0.38
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	7	0.38
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	5	0.38
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	1	0.38
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	8	0.38
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	9	0.38
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	10	0.38
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	17	0.38
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	3	0.38
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	1	0.38
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	7	0.38
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	18	0.38
(2,516)	1:212:A:LYS:HA	1:212:A:LYS:HG3	14	0.38
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	18	0.38
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	3	0.38
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	15	0.38
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	4	0.38
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	8	0.38
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD11	12	0.38
(2,416)	1:193:A:ALA:HB2	1:193:A:ALA:HA	4	0.38
(2,416)	1:193:A:ALA:HB2	1:193:A:ALA:HA	5	0.38
(2,416)	1:193:A:ALA:HB2	1:193:A:ALA:HA	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	16	0.38
(2,410)	1:194:A:ALA:HB1	1:194:A:ALA:HA	18	0.38
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB2	4	0.38
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	14	0.38
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG22	4	0.38
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG22	9	0.38
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	9	0.38
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	6	0.38
(2,294)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	9	0.38
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD12	9	0.38
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	6	0.38
(2,263)	1:212:A:LYS:HD2	1:212:A:LYS:HB2	8	0.38
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	1	0.38
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	3	0.38
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG11	12	0.38
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG23	18	0.38
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	11	0.38
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	18	0.38
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD11	15	0.38
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	6	0.38
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	6	0.38
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	6	0.38
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	17	0.38
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	17	0.38
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	15	0.38
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	15	0.38
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	16	0.38
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	16	0.38
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	16	0.38
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	16	0.38
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	16	0.38
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	16	0.38
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	18	0.38
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	18	0.38
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	18	0.38
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	2	0.38
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	2	0.38
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	2	0.38
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	7	0.38
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	7	0.38
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	7	0.38
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	17	0.38
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	17	0.38
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	5	0.38
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	5	0.38
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	5	0.38
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	5	0.38
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	5	0.38
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	5	0.38
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	5	0.38
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	5	0.38
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	5	0.38
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	9	0.38
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	9	0.38
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	9	0.38
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	9	0.38
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	9	0.38
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	9	0.38
(1,981)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD3	9	0.38
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	2	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	2	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	3	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	9	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	10	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	13	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	16	0.38
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	18	0.38
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	10	0.38
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	10	0.38
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	10	0.38
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	4	0.38
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	20	0.38
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	1	0.38
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	8	0.38
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	2	0.38
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	2	0.38
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	2	0.38
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	2	0.38
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	2	0.38
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	2	0.38
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	2	0.38
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	2	0.38
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	19	0.38
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	19	0.38
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	19	0.38
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	19	0.38
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	19	0.38
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	19	0.38
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	19	0.38
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	19	0.38
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	19	0.38
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD22	4	0.38
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG11	12	0.38
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	19	0.38
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	20	0.38
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	4	0.38
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	10	0.38
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	12	0.38
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	7	0.38
(1,586)	1:221:A:LEU:HD11	1:217:B:TYR:HE1	6	0.38
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	7	0.38
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	6	0.38
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	9	0.38
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	13	0.38
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	14	0.38
(1,569)	1:205:A:LEU:HD22	1:209:A:ASP:HA	5	0.38
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	8	0.38
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG22	9	0.38
(1,511)	1:200:A:VAL:HG21	1:199:B:GLN:HG2	7	0.38
(1,491)	1:202:A:VAL:HG22	1:201:A:LYS:HB2	8	0.38
(1,474)	1:196:A:LEU:HD23	1:199:A:GLN:HG2	3	0.38
(1,469)	1:203:A:LEU:HD23	1:205:A:LEU:H	16	0.38
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	11	0.38
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD22	14	0.38
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	17	0.38
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	8	0.38
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	13	0.38
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	11	0.38
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	14	0.38
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG22	11	0.38
(1,316)	1:239:A:LEU:HD13	1:234:A:GLU:HG3	16	0.38
(1,313)	1:239:A:LEU:HD11	1:231:A:ASN:HB3	2	0.38
(1,309)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	13	0.38
(1,308)	1:239:A:LEU:HD22	1:236:B:ASP:HB3	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	8	0.38
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD12	9	0.38
(1,259)	1:246:A:LEU:HD22	2:5479:C:ILE:HG23	17	0.38
(1,246)	1:255:A:ILE:HG22	2:5478:C:LYS:HG2	1	0.38
(1,246)	1:255:A:ILE:HG22	2:5478:C:LYS:HG2	10	0.38
(1,246)	1:255:A:ILE:HG22	1:254:A:VAL:HG11	14	0.38
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	9	0.38
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	19	0.38
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	17	0.38
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	5	0.38
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD23	14	0.38
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD13	20	0.38
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	1	0.38
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	5	0.38
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	18	0.38
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD11	20	0.38
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	15	0.38
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	20	0.38
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	4	0.38
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	17	0.38
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	11	0.37
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	11	0.37
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	11	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	2	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	2	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	2	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	2	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	2	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	2	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	2	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	2	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	2	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	8	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	8	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	8	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	8	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	8	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	8	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	8	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	8	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	8	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	12	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	12	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	12	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	12	0.37
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	12	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	12	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	12	0.37
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	12	0.37
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	8	0.37
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	8	0.37
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	8	0.37
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	8	0.37
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	8	0.37
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	8	0.37
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	8	0.37
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	8	0.37
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	8	0.37
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	16	0.37
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	16	0.37
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	16	0.37
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	16	0.37
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	16	0.37
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	16	0.37
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	16	0.37
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	16	0.37
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	16	0.37
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	4	0.37
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	4	0.37
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	4	0.37
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	4	0.37
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	4	0.37
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	4	0.37
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	4	0.37
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	4	0.37
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	4	0.37
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	9	0.37
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	9	0.37
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	9	0.37
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	13	0.37
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	13	0.37
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	13	0.37
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	4	0.37
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	4	0.37
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG23	3	0.37
(2,2440)	1:249:A:THR:HG23	1:216:B:PHE:HZ	2	0.37
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	6	0.37
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	1	0.37
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	10	0.37
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD12	3	0.37
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD12	17	0.37
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD13	19	0.37
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	19	0.37
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	18	0.37
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	6	0.37
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	8	0.37
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	18	0.37
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	7	0.37
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	14	0.37
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD13	9	0.37
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	18	0.37
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	20	0.37
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	4	0.37
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	5	0.37
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	7	0.37
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	12	0.37
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	17	0.37
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	18	0.37
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	8	0.37
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	17	0.37
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	1	0.37
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	18	0.37
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	12	0.37
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	14	0.37
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	2	0.37
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD22	6	0.37
(2,1905)	1:213:A:GLU:H	1:212:A:LYS:HB2	1	0.37
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	7	0.37
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	4	0.37
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	8	0.37
(2,1621)	1:254:A:VAL:HG22	2:5481:C:THR:HB	15	0.37
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB2	5	0.37
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB3	10	0.37
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	19	0.37
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB2	19	0.37
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB2	19	0.37
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	19	0.37
(2,1346)	1:203:A:LEU:HD22	1:204:B:LYS:HG3	11	0.37
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	11	0.37
(2,1286)	1:205:A:LEU:HD13	1:208:A:GLU:H	18	0.37
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	6	0.37
(2,1128)	1:226:A:LEU:HD22	1:229:A:GLN:HE21	5	0.37
(2,1010)	1:238:A:VAL:HG21	1:231:B:ASN:HD22	15	0.37
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	1	0.37
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	7	0.37
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	7	0.37
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG13	14	0.37
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	9	0.37
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	3	0.37
(2,884)	1:248:A:ALA:HB2	1:249:A:THR:HG23	12	0.37
(2,875)	1:249:A:THR:HG22	1:216:B:PHE:HZ	19	0.37
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	12	0.37
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	5	0.37
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	9	0.37
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	7	0.37
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	12	0.37
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	8	0.37
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	12	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	1	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	9	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	10	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	11	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	13	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	17	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	19	0.37
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	20	0.37
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	15	0.37
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	17	0.37
(2,416)	1:193:A:ALA:HB1	1:193:A:ALA:HA	7	0.37
(2,343)	1:202:A:VAL:HG13	1:199:A:GLN:HA	12	0.37
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	6	0.37
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	17	0.37
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	7	0.37
(2,294)	1:207:A:VAL:HG21	1:204:A:LYS:HE3	4	0.37
(2,278)	1:207:A:VAL:HG12	1:203:B:LEU:HD12	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG12	19	0.37
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG21	7	0.37
(2,103)	1:206:A:THR:HG22	1:207:B:VAL:HG21	8	0.37
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	13	0.37
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	13	0.37
(2,78)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	14	0.37
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	4	0.37
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	7	0.37
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	7	0.37
(1,1139)	1:217:B:TYR:HE1	2:5480:C:PRO:HB3	12	0.37
(1,1139)	1:217:B:TYR:HE2	2:5480:C:PRO:HB3	12	0.37
(1,1139)	1:217:B:TYR:HE1	2:5480:C:PRO:HB3	20	0.37
(1,1139)	1:217:B:TYR:HE2	2:5480:C:PRO:HB3	20	0.37
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	3	0.37
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	3	0.37
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	3	0.37
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	3	0.37
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	3	0.37
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	3	0.37
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	6	0.37
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	6	0.37
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	6	0.37
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	10	0.37
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	10	0.37
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	10	0.37
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	11	0.37
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	11	0.37
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	11	0.37
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	11	0.37
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	11	0.37
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	11	0.37
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	11	0.37
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	11	0.37
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	11	0.37
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	11	0.37
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	11	0.37
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	11	0.37
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	6	0.37
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	6	0.37
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	6	0.37
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	14	0.37
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	14	0.37
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	15	0.37
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	15	0.37
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	15	0.37
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	15	0.37
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	15	0.37
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	15	0.37
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	15	0.37
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	15	0.37
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	15	0.37
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	11	0.37
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	11	0.37
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	11	0.37
(1,983)	2:5476:C:PRO:HG2	2:5475:C:LYS:HD2	15	0.37
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	6	0.37
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	15	0.37
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	4	0.37
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	16	0.37
(1,936)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	1	0.37
(1,933)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	17	0.37
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	3	0.37
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	3	0.37
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	3	0.37
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	14	0.37
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	14	0.37
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	14	0.37
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	14	0.37
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	20	0.37
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	5	0.37
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	11	0.37
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	1	0.37
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	3	0.37
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	8	0.37
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	12	0.37
(1,753)	1:199:A:GLN:HE21	1:200:A:VAL:HG13	9	0.37
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD23	19	0.37
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD23	16	0.37
(1,637)	1:255:A:ILE:HD13	2:5479:C:ILE:HG22	16	0.37
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	17	0.37
(1,637)	1:255:A:ILE:HD13	2:5478:C:LYS:HD3	20	0.37
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	16	0.37
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:226:A:LEU:HD13	1:222:A:ARG:HB3	11	0.37
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD22	19	0.37
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	19	0.37
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	18	0.37
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	17	0.37
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	17	0.37
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	6	0.37
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	7	0.37
(1,488)	1:202:A:VAL:HG23	1:201:A:LYS:HA	10	0.37
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD22	11	0.37
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	20	0.37
(1,465)	1:207:A:VAL:H	1:203:A:LEU:HD22	15	0.37
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	16	0.37
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	8	0.37
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	9	0.37
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	17	0.37
(1,412)	1:213:A:GLU:H	1:210:A:LEU:HD11	18	0.37
(1,411)	1:211:A:GLU:H	1:210:A:LEU:HD13	4	0.37
(1,409)	1:210:A:LEU:HD13	1:213:A:GLU:HB2	15	0.37
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	3	0.37
(1,377)	1:224:A:ILE:HG23	1:221:A:LEU:HG	1	0.37
(1,377)	1:224:A:ILE:HG22	1:221:A:LEU:HG	20	0.37
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	4	0.37
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	6	0.37
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	13	0.37
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	16	0.37
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	1	0.37
(1,251)	1:255:A:ILE:HA	1:249:A:THR:HG21	13	0.37
(1,247)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	20	0.37
(1,246)	1:255:A:ILE:HG22	2:5478:C:LYS:HG2	3	0.37
(1,239)	1:254:A:VAL:HG13	2:5481:C:THR:HG21	15	0.37
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	10	0.37
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	3	0.37
(1,192)	1:210:A:LEU:HD22	1:213:B:GLU:H	16	0.37
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD12	1	0.37
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	3	0.37
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD11	7	0.37
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	5	0.37
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG23	18	0.37
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	13	0.37
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	19	0.37
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD21	8	0.37
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	14	0.36
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	14	0.36
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	14	0.36
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	14	0.36
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	14	0.36
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	14	0.36
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	14	0.36
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	14	0.36
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	14	0.36
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	18	0.36
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	18	0.36
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	18	0.36
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	18	0.36
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	18	0.36
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	18	0.36
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	18	0.36
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	18	0.36
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	18	0.36
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	14	0.36
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	14	0.36
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	14	0.36
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	14	0.36
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	14	0.36
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	14	0.36
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	14	0.36
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	14	0.36
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	14	0.36
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	3	0.36
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	3	0.36
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	3	0.36
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	3	0.36
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	3	0.36
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	3	0.36
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	3	0.36
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	3	0.36
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	3	0.36
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	4	0.36
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	4	0.36
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	4	0.36
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	4	0.36
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	4	0.36
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	4	0.36
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	4	0.36
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	4	0.36
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	8	0.36
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	8	0.36
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	8	0.36
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	8	0.36
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	8	0.36
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	8	0.36
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	8	0.36
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	8	0.36
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	8	0.36
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	4	0.36
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	4	0.36
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	4	0.36
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	4	0.36
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	4	0.36
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	4	0.36
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	20	0.36
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	20	0.36
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	20	0.36
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	20	0.36
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	20	0.36
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	20	0.36
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	12	0.36
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	12	0.36
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	12	0.36
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD21	20	0.36
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD22	20	0.36
(2,2597)	1:200:B:VAL:HA	1:196:A:LEU:HD23	20	0.36
(2,2463)	1:200:A:VAL:HG12	1:199:B:GLN:HG3	2	0.36
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD13	4	0.36
(2,2393)	1:224:A:ILE:HG23	1:245:B:ILE:HD11	7	0.36
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD13	14	0.36
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	3	0.36
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD12	13	0.36
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	2	0.36
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	1	0.36
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	2	0.36
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	9	0.36
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	14	0.36
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	10	0.36
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	20	0.36
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	4	0.36
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD12	14	0.36
(2,1622)	1:254:A:VAL:HG22	1:255:A:ILE:HA	13	0.36
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	3	0.36
(2,1545)	1:198:A:GLN:H	1:194:A:ALA:HB2	19	0.36
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	1	0.36
(2,1486)	1:200:A:VAL:HG13	1:197:A:MET:HG3	10	0.36
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	9	0.36
(2,1452)	1:198:A:GLN:H	1:199:A:GLN:HG2	15	0.36
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	15	0.36
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	20	0.36
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	2	0.36
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	13	0.36
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD22	11	0.36
(2,1204)	1:212:A:LYS:HG2	1:212:A:LYS:HE2	7	0.36
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	2	0.36
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	12	0.36
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	8	0.36
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	18	0.36
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	4	0.36
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	17	0.36
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	19	0.36
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	13	0.36
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	7	0.36
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	13	0.36
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	5	0.36
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	12	0.36
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG13	16	0.36
(2,951)	1:245:A:ILE:H	1:243:A:VAL:HG12	17	0.36
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	18	0.36
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	17	0.36
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	20	0.36
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	8	0.36
(2,913)	1:245:A:ILE:HG22	1:223:B:ASN:HB2	7	0.36
(2,844)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	2	0.36
(2,818)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	14	0.36
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	9	0.36
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	8	0.36
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD13	16	0.36
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	19	0.36
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	5	0.36
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	16	0.36
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	2	0.36
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	6	0.36
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	12	0.36
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	14	0.36
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	15	0.36
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	16	0.36
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	6	0.36
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD11	8	0.36
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	3	0.36
(2,416)	1:193:A:ALA:HB2	1:193:A:ALA:HA	9	0.36
(2,416)	1:193:A:ALA:HB1	1:193:A:ALA:HA	12	0.36
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	20	0.36
(2,386)	1:197:A:MET:HE3	1:193:A:ALA:HB1	18	0.36
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG22	13	0.36
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG22	14	0.36
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD22	14	0.36
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	3	0.36
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	17	0.36
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	2	0.36
(2,185)	1:238:A:VAL:HG21	1:239:B:LEU:HD21	15	0.36
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	7	0.36
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	3	0.36
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG22	15	0.36
(2,102)	1:206:A:THR:HG22	1:210:A:LEU:HD12	1	0.36
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD12	14	0.36
(2,85)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	19	0.36
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	10	0.36
(2,67)	1:242:A:ILE:HD13	1:224:B:ILE:HA	15	0.36
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	10	0.36
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	20	0.36
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	20	0.36
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	20	0.36
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	4	0.36
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	4	0.36
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	4	0.36
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	4	0.36
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	6	0.36
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	4	0.36
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	4	0.36
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	4	0.36
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	18	0.36
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	18	0.36
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	18	0.36
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	5	0.36
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	5	0.36
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	5	0.36
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	9	0.36
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	9	0.36
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	9	0.36
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	19	0.36
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	19	0.36
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	19	0.36
(1,1024)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	6	0.36
(1,1024)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	6	0.36
(1,1024)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	6	0.36
(1,1024)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	12	0.36
(1,1024)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	12	0.36
(1,1024)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	12	0.36
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	4	0.36
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	4	0.36
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	4	0.36
(1,1013)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	13	0.36
(1,1013)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	13	0.36
(1,1013)	1:249:A:THR:HG23	2:5480:C:PRO:HB2	13	0.36
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	11	0.36
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	11	0.36
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	11	0.36
(1,986)	2:5483:C:GLN:HA	2:5482:C:PRO:HB2	4	0.36
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	3	0.36
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	19	0.36
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	7	0.36
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	12	0.36
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	4	0.36
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	5	0.36
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	7	0.36
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	13	0.36
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	20	0.36
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	15	0.36
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	7	0.36
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	12	0.36
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	13	0.36
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	14	0.36
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	1	0.36
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	3	0.36
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	11	0.36
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	14	0.36
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	17	0.36
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	17	0.36
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	17	0.36
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	17	0.36
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	17	0.36
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	17	0.36
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	17	0.36
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	17	0.36
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	17	0.36
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD23	19	0.36
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	9	0.36
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	12	0.36
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	5	0.36
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	6	0.36
(1,587)	1:193:A:ALA:HA	1:194:A:ALA:HA	14	0.36
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	12	0.36
(1,556)	1:193:A:ALA:HB2	1:194:A:ALA:HA	12	0.36
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	15	0.36
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	15	0.36
(1,488)	1:202:A:VAL:HG22	1:201:A:LYS:HA	1	0.36
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	13	0.36
(1,450)	1:205:A:LEU:HB2	1:208:A:GLU:HB3	16	0.36
(1,424)	1:200:A:VAL:HG11	1:204:A:LYS:HE3	15	0.36
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	12	0.36
(1,420)	1:209:A:ASP:HB2	1:208:A:GLU:HB3	18	0.36
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	4	0.36
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG23	15	0.36
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	13	0.36
(1,315)	1:239:A:LEU:HD11	1:231:A:ASN:HB2	1	0.36
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	18	0.36
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	19	0.36
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	16	0.36
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	4	0.36
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	13	0.36
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	17	0.35
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	17	0.35
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	17	0.35
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	4	0.35
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	4	0.35
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	4	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	4	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	4	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	4	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	4	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	4	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	4	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	4	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	4	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	4	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	13	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	13	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	13	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	13	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	13	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	13	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	13	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	13	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	13	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	20	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	20	0.35
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	20	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	20	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	20	0.35
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	20	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	20	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	20	0.35
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	20	0.35
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	9	0.35
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	9	0.35
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	9	0.35
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	9	0.35
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	9	0.35
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	9	0.35
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	9	0.35
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	9	0.35
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	20	0.35
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	20	0.35
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	20	0.35
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	20	0.35
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	20	0.35
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	20	0.35
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	20	0.35
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	20	0.35
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	20	0.35
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	2	0.35
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	2	0.35
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	2	0.35
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	2	0.35
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	2	0.35
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	2	0.35
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	2	0.35
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	2	0.35
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	2	0.35
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	11	0.35
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	11	0.35
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	11	0.35
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	11	0.35
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	11	0.35
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	11	0.35
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	11	0.35
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	11	0.35
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	11	0.35
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	14	0.35
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	14	0.35
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	14	0.35
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	14	0.35
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	14	0.35
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	14	0.35
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	14	0.35
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	14	0.35
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	14	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	5	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	5	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	5	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	11	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	11	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	13	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	13	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	13	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	18	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	18	0.35
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	18	0.35
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	1	0.35
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG12	1	0.35
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB3	1	0.35
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	11	0.35
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD13	9	0.35
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD13	10	0.35
(2,2372)	1:210:A:LEU:HD13	1:211:B:GLU:HA	11	0.35
(2,2366)	1:207:A:VAL:HG13	1:203:B:LEU:HG	3	0.35
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	5	0.35
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	4	0.35
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	11	0.35
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD13	6	0.35
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD11	12	0.35
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	20	0.35
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD11	15	0.35
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	15	0.35
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	16	0.35
(2,2236)	1:199:A:GLN:HE21	1:199:A:GLN:HG2	20	0.35
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	20	0.35
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	14	0.35
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	18	0.35
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	14	0.35
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	10	0.35
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	13	0.35
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	6	0.35
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	10	0.35
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	20	0.35
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	7	0.35
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	8	0.35
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	17	0.35
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG22	10	0.35
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	1	0.35
(2,1362)	1:203:A:LEU:HD12	1:202:A:VAL:H	16	0.35
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	3	0.35
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	7	0.35
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	18	0.35
(2,1295)	1:204:A:LYS:HG2	1:203:B:LEU:HD23	6	0.35
(2,1205)	1:201:A:LYS:HE2	1:201:A:LYS:HG3	3	0.35
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	12	0.35
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	1	0.35
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD12	4	0.35
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD13	13	0.35
(2,1118)	1:227:A:ILE:HD13	1:230:A:GLU:H	7	0.35
(2,1097)	1:228:A:CYS:HB2	1:229:A:GLN:HB3	4	0.35
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	18	0.35
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	7	0.35
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG21	17	0.35
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	2	0.35
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	12	0.35
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	2	0.35
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	8	0.35
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	3	0.35
(2,937)	1:244:A:ASP:HB3	1:243:A:VAL:H	14	0.35
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	8	0.35
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	14	0.35
(2,849)	1:254:A:VAL:HG13	2:5483:C:GLN:H	17	0.35
(2,846)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	3	0.35
(2,838)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	5	0.35
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	2	0.35
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD11	1	0.35
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD13	7	0.35
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	13	0.35
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD13	20	0.35
(2,718)	1:208:A:GLU:HA	1:211:A:GLU:HG2	18	0.35
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	3	0.35
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	6	0.35
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	13	0.35
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	4	0.35
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	16	0.35
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	14	0.35
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD12	12	0.35
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD13	13	0.35
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	4	0.35
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	16	0.35
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	18	0.35
(2,416)	1:193:A:ALA:HB2	1:193:A:ALA:HA	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:193:A:ALA:HB3	1:193:A:ALA:HA	18	0.35
(2,386)	1:197:A:MET:HE2	1:193:A:ALA:HB3	5	0.35
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	7	0.35
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD21	10	0.35
(2,278)	1:207:A:VAL:HG13	1:203:B:LEU:HD12	19	0.35
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	17	0.35
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	14	0.35
(2,249)	1:221:A:LEU:HD13	1:220:B:LYS:HB3	19	0.35
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG22	10	0.35
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG23	19	0.35
(2,78)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	7	0.35
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD12	8	0.35
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	7	0.35
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	7	0.35
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	18	0.35
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	18	0.35
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	18	0.35
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	18	0.35
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	18	0.35
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	18	0.35
(1,1122)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	5	0.35
(1,1122)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	5	0.35
(1,1122)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	5	0.35
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	9	0.35
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	9	0.35
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	18	0.35
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	18	0.35
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	18	0.35
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	9	0.35
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	9	0.35
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	9	0.35
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	1	0.35
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	1	0.35
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	1	0.35
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	2	0.35
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	2	0.35
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	2	0.35
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	10	0.35
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	10	0.35
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	10	0.35
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	6	0.35
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	6	0.35
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	2	0.35
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	2	0.35
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	2	0.35
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	4	0.35
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	4	0.35
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	4	0.35
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	13	0.35
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	15	0.35
(1,976)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	7	0.35
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	18	0.35
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	8	0.35
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	13	0.35
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	18	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	3	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	4	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	6	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	9	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	11	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	12	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	18	0.35
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	19	0.35
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	19	0.35
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	19	0.35
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	19	0.35
(1,874)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	2	0.35
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	9	0.35
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	10	0.35
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	17	0.35
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	4	0.35
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	19	0.35
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	13	0.35
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	14	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	1	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	1	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	1	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	1	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	1	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	1	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	1	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	1	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	3	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	3	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	3	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	3	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	3	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	3	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	3	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	3	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	3	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	5	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	5	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	5	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	5	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	5	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	5	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	5	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	5	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	5	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	16	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	16	0.35
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	16	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	16	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	16	0.35
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	16	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	16	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	16	0.35
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	16	0.35
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	5	0.35
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD22	11	0.35
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	6	0.35
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	18	0.35
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG13	14	0.35
(1,637)	1:255:A:ILE:HD11	2:5478:C:LYS:HD3	19	0.35
(1,605)	1:223:A:ASN:H	1:221:A:LEU:HD22	16	0.35
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	3	0.35
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	4	0.35
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	13	0.35
(1,556)	1:193:A:ALA:HB1	1:194:A:ALA:HA	20	0.35
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	5	0.35
(1,544)	1:196:A:LEU:HD13	1:197:B:MET:HG3	15	0.35
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG23	12	0.35
(1,501)	1:201:A:LYS:HD2	1:200:A:VAL:HG12	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:202:A:VAL:HG11	1:201:A:LYS:HG3	1	0.35
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	7	0.35
(1,481)	1:205:A:LEU:HD21	1:208:A:GLU:H	10	0.35
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	1	0.35
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	6	0.35
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	12	0.35
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	2	0.35
(1,420)	1:209:A:ASP:HB2	1:213:A:GLU:HG2	3	0.35
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	14	0.35
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	19	0.35
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG23	7	0.35
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	2	0.35
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	16	0.35
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	19	0.35
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	1	0.35
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	7	0.35
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	16	0.35
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	1	0.35
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	15	0.35
(1,197)	1:209:A:ASP:HA	1:212:A:LYS:HB3	2	0.35
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	12	0.35
(1,197)	1:209:A:ASP:HA	1:212:A:LYS:HB3	13	0.35
(1,192)	1:210:A:LEU:HD22	1:209:B:ASP:H	3	0.35
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	19	0.35
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	7	0.35
(1,111)	1:207:A:VAL:HG13	1:207:A:VAL:HB	20	0.35
(1,102)	1:200:A:VAL:HG11	1:198:A:GLN:HG2	7	0.35
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	13	0.34
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	13	0.34
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	13	0.34
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	3	0.34
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	3	0.34
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	3	0.34
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	3	0.34
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	3	0.34
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	3	0.34
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	3	0.34
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	3	0.34
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	3	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	14	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	14	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	14	0.34
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	14	0.34
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	14	0.34
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	14	0.34
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	14	0.34
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	14	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	15	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	15	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	15	0.34
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	15	0.34
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	15	0.34
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	15	0.34
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	15	0.34
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	15	0.34
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	15	0.34
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	15	0.34
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	15	0.34
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	15	0.34
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	15	0.34
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	15	0.34
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	15	0.34
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	15	0.34
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	15	0.34
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	15	0.34
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	10	0.34
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	10	0.34
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	10	0.34
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	10	0.34
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	10	0.34
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	10	0.34
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	10	0.34
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	10	0.34
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	10	0.34
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	12	0.34
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	12	0.34
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	12	0.34
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	12	0.34
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	12	0.34
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	12	0.34
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	12	0.34
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	12	0.34
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	5	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	5	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	5	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	5	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	5	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	5	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	5	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	5	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	5	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	8	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	8	0.34
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	8	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	8	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	8	0.34
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	8	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	8	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	8	0.34
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	8	0.34
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	20	0.34
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	20	0.34
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	20	0.34
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	20	0.34
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	20	0.34
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	20	0.34
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	20	0.34
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	20	0.34
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	20	0.34
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG22	2	0.34
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG21	5	0.34
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	7	0.34
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	7	0.34
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	2	0.34
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	8	0.34
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD12	6	0.34
(2,2393)	1:224:A:ILE:HG21	1:245:B:ILE:HD13	16	0.34
(2,2372)	1:210:A:LEU:HD12	1:211:B:GLU:HA	5	0.34
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	1	0.34
(2,2352)	1:203:A:LEU:HD22	1:204:B:LYS:H	20	0.34
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	2	0.34
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	11	0.34
(2,2151)	1:235:A:ASN:HD22	1:240:A:GLN:HG3	6	0.34
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	4	0.34
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	7	0.34
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG22	11	0.34
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	6	0.34
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	16	0.34
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD22	17	0.34
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD22	20	0.34
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	8	0.34
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	17	0.34
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	19	0.34
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	15	0.34
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD13	15	0.34
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	6	0.34
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	19	0.34
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	20	0.34
(2,1624)	1:257:A:ASP:HA	1:256:A:PRO:HB3	18	0.34
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB1	11	0.34
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	18	0.34
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	5	0.34
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	8	0.34
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	5	0.34
(2,1387)	1:202:A:VAL:HG11	1:204:A:LYS:H	10	0.34
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	18	0.34
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	10	0.34
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	7	0.34
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	18	0.34
(2,1286)	1:205:A:LEU:HD11	1:208:A:GLU:H	7	0.34
(2,1286)	1:205:A:LEU:HD12	1:208:A:GLU:H	10	0.34
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	2	0.34
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	18	0.34
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD12	16	0.34
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	2	0.34
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	9	0.34
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	10	0.34
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	19	0.34
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD23	17	0.34
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	14	0.34
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	11	0.34
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG23	14	0.34
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	11	0.34
(2,875)	1:249:A:THR:HG22	1:216:B:PHE:HZ	4	0.34
(2,843)	1:254:A:VAL:HG22	2:5483:C:GLN:HE21	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	16	0.34
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	3	0.34
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	18	0.34
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	20	0.34
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	8	0.34
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	14	0.34
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD13	14	0.34
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD12	18	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	9	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	11	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	12	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	13	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	15	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	16	0.34
(2,379)	1:198:A:GLN:HB2	1:198:A:GLN:HA	20	0.34
(2,377)	1:198:A:GLN:HG2	1:201:A:LYS:HB2	4	0.34
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	1	0.34
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	3	0.34
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	10	0.34
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG21	8	0.34
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	18	0.34
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	12	0.34
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	13	0.34
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	4	0.34
(2,225)	1:226:A:LEU:HD12	1:222:A:ARG:HD3	1	0.34
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG13	2	0.34
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	5	0.34
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD13	20	0.34
(2,108)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	19	0.34
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG22	20	0.34
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	12	0.34
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD11	6	0.34
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD13	8	0.34
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD13	11	0.34
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD12	15	0.34
(2,52)	1:210:A:LEU:HA	1:210:A:LEU:HD11	20	0.34
(1,1177)	1:217:B:TYR:HD1	2:5480:C:PRO:HB3	11	0.34
(1,1177)	1:217:B:TYR:HD2	2:5480:C:PRO:HB3	11	0.34
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	6	0.34
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	6	0.34
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	5	0.34
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	4	0.34
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	4	0.34
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	4	0.34
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	14	0.34
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	14	0.34
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	14	0.34
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	14	0.34
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	14	0.34
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	14	0.34
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	14	0.34
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	14	0.34
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	14	0.34
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	15	0.34
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	15	0.34
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	15	0.34
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	12	0.34
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	12	0.34
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	12	0.34
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	12	0.34
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	12	0.34
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	12	0.34
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	12	0.34
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	12	0.34
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	12	0.34
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	10	0.34
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	10	0.34
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	10	0.34
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	15	0.34
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	15	0.34
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	15	0.34
(1,1029)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	12	0.34
(1,1029)	1:254:A:VAL:HG22	2:5482:C:PRO:HA	12	0.34
(1,1029)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	12	0.34
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	14	0.34
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	14	0.34
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	14	0.34
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	14	0.34
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	14	0.34
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	14	0.34
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	14	0.34
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	14	0.34
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	2:5476:C:PRO:HG2	2:5475:C:LYS:HD2	6	0.34
(1,981)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD3	2	0.34
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	5	0.34
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	2	0.34
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	3	0.34
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	4	0.34
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	4	0.34
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	4	0.34
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	17	0.34
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	17	0.34
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	17	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	1	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	2	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	8	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	10	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	14	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	15	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	16	0.34
(1,920)	2:5479:C:ILE:HA	2:5479:C:ILE:HB	17	0.34
(1,918)	2:5479:C:ILE:HG21	2:5479:C:ILE:HG12	7	0.34
(1,918)	2:5479:C:ILE:HG22	2:5479:C:ILE:HG12	7	0.34
(1,918)	2:5479:C:ILE:HG23	2:5479:C:ILE:HG12	7	0.34
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	10	0.34
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	18	0.34
(1,816)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	2	0.34
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	3	0.34
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	3	0.34
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	3	0.34
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	3	0.34
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	3	0.34
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	3	0.34
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	3	0.34
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	3	0.34
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	3	0.34
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	9	0.34
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	9	0.34
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	9	0.34
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	9	0.34
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	9	0.34
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	9	0.34
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	9	0.34
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	9	0.34
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	9	0.34
(1,791)	1:217:A:TYR:HE1	1:214:B:ARG:HG2	3	0.34
(1,791)	1:217:A:TYR:HE2	1:214:B:ARG:HG2	3	0.34
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD22	2	0.34
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	1	0.34
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	4	0.34
(1,637)	1:255:A:ILE:HD11	2:5479:C:ILE:HG23	18	0.34
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	17	0.34
(1,571)	1:208:A:GLU:HG2	1:204:A:LYS:HG3	18	0.34
(1,556)	1:193:A:ALA:HB3	1:194:A:ALA:HA	9	0.34
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	18	0.34
(1,469)	1:203:A:LEU:HD22	1:205:A:LEU:H	15	0.34
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	3	0.34
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	6	0.34
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	19	0.34
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD22	5	0.34
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	12	0.34
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	16	0.34
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	2	0.34
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	5	0.34
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	9	0.34
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	6	0.34
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	14	0.34
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	19	0.34
(1,377)	1:224:A:ILE:HG23	1:221:A:LEU:HG	17	0.34
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	4	0.34
(1,341)	1:234:A:GLU:HG3	1:231:A:ASN:HA	16	0.34
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	10	0.34
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	15	0.34
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	20	0.34
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	3	0.34
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	10	0.34
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	11	0.34
(1,315)	1:239:A:LEU:HD13	1:231:A:ASN:HB2	8	0.34
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	10	0.34
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	2	0.34
(1,259)	1:246:A:LEU:HD23	2:5479:C:ILE:HG21	19	0.34
(1,246)	1:255:A:ILE:HG21	1:254:A:VAL:HG12	4	0.34
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	2	0.34
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	3	0.34
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	13	0.34
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	19	0.34
(1,192)	1:210:A:LEU:HD23	1:209:B:ASP:H	13	0.34
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	14	0.34
(1,137)	1:241:A:ARG:HD2	1:238:A:VAL:HG12	17	0.34
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	3	0.34
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	11	0.34
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	14	0.34
(1,111)	1:200:A:VAL:HG11	1:200:A:VAL:HB	15	0.34
(1,95)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	11	0.34
(1,95)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	19	0.34
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	5	0.34
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	1	0.34
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG23	4	0.34
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	16	0.33
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	16	0.33
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	16	0.33
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	16	0.33
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	16	0.33
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	16	0.33
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	16	0.33
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	16	0.33
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	16	0.33
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	1	0.33
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	1	0.33
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	1	0.33
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	1	0.33
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	1	0.33
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	1	0.33
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	1	0.33
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	1	0.33
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	1	0.33
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	7	0.33
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	7	0.33
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	7	0.33
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	7	0.33
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	7	0.33
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	7	0.33
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	7	0.33
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	7	0.33
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	7	0.33
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	11	0.33
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	11	0.33
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	11	0.33
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	11	0.33
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	11	0.33
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	11	0.33
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	11	0.33
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	11	0.33
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	6	0.33
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	6	0.33
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	6	0.33
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	6	0.33
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	6	0.33
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	6	0.33
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	6	0.33
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	6	0.33
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	6	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	2	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	2	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	2	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	2	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	2	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	2	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	5	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	5	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	5	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	5	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	5	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	5	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	7	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	7	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	7	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	7	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	7	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	7	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	16	0.33
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	16	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	16	0.33
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	16	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	16	0.33
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	16	0.33
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	17	0.33
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	17	0.33
(2,2519)	1:221:A:LEU:HD13	1:221:B:LEU:HG	8	0.33
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD13	4	0.33
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB1	14	0.33
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	20	0.33
(2,2372)	1:210:A:LEU:HD12	1:211:B:GLU:HA	4	0.33
(2,2372)	1:210:A:LEU:HD12	1:211:B:GLU:HA	12	0.33
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	17	0.33
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	14	0.33
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	18	0.33
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	7	0.33
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	19	0.33
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	3	0.33
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	3	0.33
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	16	0.33
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	4	0.33
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	16	0.33
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	19	0.33
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	1	0.33
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	3	0.33
(2,1700)	1:222:A:ARG:HD3	1:223:A:ASN:H	18	0.33
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	18	0.33
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB2	17	0.33
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	5	0.33
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	3	0.33
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB3	8	0.33
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	8	0.33
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	10	0.33
(2,1339)	1:200:A:VAL:H	1:201:A:LYS:HB2	4	0.33
(2,1238)	1:210:A:LEU:HD11	1:214:B:ARG:HD3	10	0.33
(2,1220)	1:211:A:GLU:HG3	1:207:A:VAL:HG22	3	0.33
(2,1171)	1:221:A:LEU:HD12	1:217:B:TYR:HB2	3	0.33
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	8	0.33
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	11	0.33
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD11	3	0.33
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	7	0.33
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	18	0.33
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	10	0.33
(2,994)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	9	0.33
(2,994)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	19	0.33
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	19	0.33
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	10	0.33
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	4	0.33
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	9	0.33
(2,843)	1:254:A:VAL:HG21	2:5483:C:GLN:HE21	15	0.33
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	10	0.33
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD12	4	0.33
(2,779)	1:242:A:ILE:HA	1:242:A:ILE:HD13	14	0.33
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG13	2	0.33
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	18	0.33
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	14	0.33
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	15	0.33
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	3	0.33
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	9	0.33
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	10	0.33
(2,438)	1:227:A:ILE:HG12	1:242:B:ILE:HD11	10	0.33
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD12	13	0.33
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD13	16	0.33
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	5	0.33
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	13	0.33
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	5	0.33
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	9	0.33
(2,226)	1:226:A:LEU:HD13	1:230:A:GLU:HG3	15	0.33
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG11	1	0.33
(2,184)	1:238:A:VAL:HG21	1:238:A:VAL:HG11	6	0.33
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD13	9	0.33
(2,108)	1:249:A:THR:HG22	2:5480:C:PRO:HB2	10	0.33
(2,85)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	4	0.33
(1,1117)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	20	0.33
(1,1117)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	20	0.33
(1,1117)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	20	0.33
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	11	0.33
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	11	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	3	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	3	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	3	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	5	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	5	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	5	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	8	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	8	0.33
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	4	0.33
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	4	0.33
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	4	0.33
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	4	0.33
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	4	0.33
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	4	0.33
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	4	0.33
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	4	0.33
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	4	0.33
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	19	0.33
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	19	0.33
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	19	0.33
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	19	0.33
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	19	0.33
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	19	0.33
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	19	0.33
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	19	0.33
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	19	0.33
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	5	0.33
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	17	0.33
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	1	0.33
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	11	0.33
(1,962)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	2	0.33
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	8	0.33
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	20	0.33
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	9	0.33
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	11	0.33
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	12	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	1	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	1	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	1	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	5	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	5	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	5	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	6	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	6	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	6	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	7	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	7	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	7	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	9	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	9	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	10	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	10	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	10	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	12	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	12	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	12	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	14	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	14	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	14	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	16	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	16	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	16	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	18	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	18	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	18	0.33
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	20	0.33
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	20	0.33
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	20	0.33
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	8	0.33
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	8	0.33
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	8	0.33
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	1	0.33
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	1	0.33
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	12	0.33
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	18	0.33
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	14	0.33
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	16	0.33
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	19	0.33
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	8	0.33
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	4	0.33
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	7	0.33
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	7	0.33
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	7	0.33
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	7	0.33
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	7	0.33
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	7	0.33
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	7	0.33
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	7	0.33
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	7	0.33
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	3	0.33
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	2	0.33
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	16	0.33
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	2	0.33
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	16	0.33
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	19	0.33
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	16	0.33
(1,544)	1:196:A:LEU:HD13	1:197:B:MET:HG3	9	0.33
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	10	0.33
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	17	0.33
(1,496)	1:202:A:VAL:HG11	1:201:A:LYS:HG3	10	0.33
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG22	10	0.33
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	2	0.33
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	9	0.33
(1,474)	1:196:A:LEU:HD22	1:199:A:GLN:HG2	11	0.33
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	13	0.33
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	18	0.33
(1,414)	1:210:A:LEU:HD12	1:207:B:VAL:HG23	18	0.33
(1,411)	1:210:A:LEU:HD11	1:211:B:GLU:H	1	0.33
(1,409)	1:210:A:LEU:HD11	1:213:A:GLU:HB2	10	0.33
(1,383)	1:224:A:ILE:HD11	1:242:B:ILE:HA	16	0.33
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	2	0.33
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	5	0.33
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	16	0.33
(1,361)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	9	0.33
(1,361)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	19	0.33
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	5	0.33
(1,326)	1:238:A:VAL:HG11	1:239:A:LEU:HA	13	0.33
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	6	0.33
(1,317)	1:239:A:LEU:HD12	1:238:A:VAL:HB	9	0.33
(1,308)	1:239:A:LEU:HD21	1:236:A:ASP:HB3	5	0.33
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	7	0.33
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	3	0.33
(1,259)	1:246:A:LEU:HD21	1:220:B:LYS:HG2	10	0.33
(1,259)	1:246:A:LEU:HD23	2:5479:C:ILE:HG22	13	0.33
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	19	0.33
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	17	0.33
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG21	8	0.33
(1,222)	1:242:A:ILE:HD12	1:244:A:ASP:H	16	0.33
(1,217)	1:224:A:ILE:HA	1:242:A:ILE:HD13	13	0.33
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	5	0.33
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	9	0.33
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	16	0.33
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	11	0.33
(1,197)	1:209:A:ASP:HA	1:212:A:LYS:HB3	19	0.33
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	19	0.33
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	15	0.33
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	4	0.33
(1,111)	1:207:A:VAL:HG13	1:207:A:VAL:HB	8	0.33
(1,111)	1:200:A:VAL:HG11	1:200:A:VAL:HB	9	0.33
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	13	0.33
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	7	0.33
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD21	17	0.32
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD22	17	0.32
(2,2661)	1:242:B:ILE:HG21	1:246:A:LEU:HD23	17	0.32
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD21	17	0.32
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD22	17	0.32
(2,2661)	1:242:B:ILE:HG22	1:246:A:LEU:HD23	17	0.32
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD21	17	0.32
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD22	17	0.32
(2,2661)	1:242:B:ILE:HG23	1:246:A:LEU:HD23	17	0.32
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	13	0.32
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	13	0.32
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	13	0.32
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	13	0.32
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	13	0.32
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	13	0.32
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	13	0.32
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	13	0.32
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	13	0.32
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	19	0.32
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	19	0.32
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	19	0.32
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	19	0.32
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	19	0.32
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	19	0.32
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	19	0.32
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	19	0.32
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	19	0.32
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	3	0.32
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	3	0.32
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	3	0.32
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	3	0.32
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	3	0.32
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	3	0.32
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	3	0.32
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	3	0.32
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	9	0.32
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	9	0.32
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	9	0.32
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	14	0.32
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	14	0.32
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	14	0.32
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	14	0.32
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	14	0.32
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	14	0.32
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	14	0.32
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	14	0.32
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	14	0.32
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	6	0.32
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	6	0.32
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	6	0.32
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	6	0.32
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	6	0.32
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	6	0.32
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	12	0.32
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	12	0.32
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	12	0.32
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	12	0.32
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	12	0.32
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	12	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	2	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	2	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	2	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	6	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	6	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	6	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	10	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	10	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	10	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	12	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	12	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	12	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	14	0.32
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	14	0.32
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG21	8	0.32
(2,2564)	1:246:A:LEU:HD22	1:242:B:ILE:HG22	12	0.32
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG23	14	0.32
(2,2496)	1:197:A:MET:HE1	1:196:B:LEU:HD23	15	0.32
(2,2409)	1:238:A:VAL:HG13	1:231:B:ASN:HD21	7	0.32
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	17	0.32
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	20	0.32
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	16	0.32
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	3	0.32
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	3	0.32
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	14	0.32
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD11	9	0.32
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	18	0.32
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	11	0.32
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	5	0.32
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	13	0.32
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	6	0.32
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	9	0.32
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	12	0.32
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	20	0.32
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	5	0.32
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	6	0.32
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	10	0.32
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	4	0.32
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	5	0.32
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	14	0.32
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	15	0.32
(2,1621)	1:254:A:VAL:HG22	2:5481:C:THR:HB	9	0.32
(2,1590)	1:210:A:LEU:HD13	1:214:B:ARG:HB3	18	0.32
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	7	0.32
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB2	15	0.32
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	20	0.32
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB2	4	0.32
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	3	0.32
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	10	0.32
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	6	0.32
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	11	0.32
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	11	0.32
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	17	0.32
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	18	0.32
(2,1410)	1:201:A:LYS:H	1:201:A:LYS:HG2	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	2	0.32
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	18	0.32
(2,1396)	1:203:A:LEU:HD23	1:202:A:VAL:HB	20	0.32
(2,1387)	1:202:A:VAL:HG12	1:204:A:LYS:H	7	0.32
(2,1359)	1:196:A:LEU:HD22	1:197:B:MET:H	10	0.32
(2,1357)	1:203:A:LEU:HD11	1:204:B:LYS:HD3	16	0.32
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	14	0.32
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	17	0.32
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	7	0.32
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	13	0.32
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	8	0.32
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	2	0.32
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	10	0.32
(2,1201)	1:212:A:LYS:HE2	1:208:A:GLU:HG3	7	0.32
(2,1171)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	8	0.32
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	6	0.32
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	3	0.32
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	15	0.32
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	20	0.32
(2,947)	1:243:A:VAL:HG12	1:246:A:LEU:HB3	11	0.32
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	13	0.32
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	15	0.32
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	6	0.32
(2,875)	1:249:A:THR:HG22	1:216:B:PHE:HZ	10	0.32
(2,849)	1:254:A:VAL:HG11	2:5483:C:GLN:H	8	0.32
(2,846)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	1	0.32
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	1	0.32
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	15	0.32
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	4	0.32
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	8	0.32
(2,606)	1:230:A:GLU:HA	1:230:A:GLU:HB2	5	0.32
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	20	0.32
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	9	0.32
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	12	0.32
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	7	0.32
(2,340)	1:202:A:VAL:HG22	1:202:A:VAL:HB	9	0.32
(2,340)	1:202:A:VAL:HG22	1:202:A:VAL:HB	10	0.32
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	11	0.32
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	12	0.32
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	15	0.32
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	16	0.32
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	3	0.32
(2,325)	1:205:A:LEU:HD22	1:209:A:ASP:HB3	6	0.32
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	7	0.32
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	9	0.32
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG12	8	0.32
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	14	0.32
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	9	0.32
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	19	0.32
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD13	12	0.32
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	10	0.32
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD12	5	0.32
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD13	13	0.32
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	8	0.32
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	8	0.32
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	8	0.32
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	2	0.32
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	2	0.32
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	10	0.32
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	10	0.32
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	11	0.32
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	11	0.32
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	8	0.32
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	8	0.32
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	9	0.32
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	9	0.32
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	9	0.32
(1,1117)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	3	0.32
(1,1117)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	3	0.32
(1,1117)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	3	0.32
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD11	8	0.32
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD12	8	0.32
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD13	8	0.32
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD11	8	0.32
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD12	8	0.32
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD13	8	0.32
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD11	8	0.32
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD12	8	0.32
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	8	0.32
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	19	0.32
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	19	0.32
(1,1079)	1:254:A:VAL:HG11	2:5483:C:GLN:H	12	0.32
(1,1079)	1:254:A:VAL:HG12	2:5483:C:GLN:H	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:254:A:VAL:HG13	2:5483:C:GLN:H	12	0.32
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	17	0.32
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	17	0.32
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	17	0.32
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	17	0.32
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	17	0.32
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	17	0.32
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	17	0.32
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	17	0.32
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	17	0.32
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	5	0.32
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	5	0.32
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	5	0.32
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	17	0.32
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	17	0.32
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	17	0.32
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	19	0.32
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	19	0.32
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	19	0.32
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	3	0.32
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	3	0.32
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD13	3	0.32
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	3	0.32
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	3	0.32
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD13	3	0.32
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	3	0.32
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD12	3	0.32
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD13	3	0.32
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	15	0.32
(1,1041)	1:255:A:ILE:HG21	2:5478:C:LYS:HD2	4	0.32
(1,1041)	1:255:A:ILE:HG22	2:5478:C:LYS:HD2	4	0.32
(1,1041)	1:255:A:ILE:HG23	2:5478:C:LYS:HD2	4	0.32
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	1	0.32
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	1	0.32
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	1	0.32
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	1	0.32
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	1	0.32
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	1	0.32
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	1	0.32
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	1	0.32
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	1	0.32
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	1	0.32
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	4	0.32
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	14	0.32
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	12	0.32
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	12	0.32
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	8	0.32
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	18	0.32
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	14	0.32
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	17	0.32
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	19	0.32
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	2	0.32
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	2	0.32
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	2	0.32
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	8	0.32
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	8	0.32
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	8	0.32
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	11	0.32
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	11	0.32
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	11	0.32
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	15	0.32
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	15	0.32
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	15	0.32
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	19	0.32
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	19	0.32
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	19	0.32
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	6	0.32
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	6	0.32
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	6	0.32
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	2	0.32
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	8	0.32
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	13	0.32
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	10	0.32
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	3	0.32
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	2	0.32
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	4	0.32
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	9	0.32
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	4	0.32
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	10	0.32
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	16	0.32
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	20	0.32
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	20	0.32
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	20	0.32
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	20	0.32
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	20	0.32
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	20	0.32
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	20	0.32
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	20	0.32
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	3	0.32
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	3	0.32
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	3	0.32
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	3	0.32
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	3	0.32
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	3	0.32
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	3	0.32
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	3	0.32
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	3	0.32
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	4	0.32
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	4	0.32
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	5	0.32
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	5	0.32
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	12	0.32
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	12	0.32
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD23	6	0.32
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	7	0.32
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	10	0.32
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD22	6	0.32
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD23	7	0.32
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	2	0.32
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	2	0.32
(1,569)	1:205:A:LEU:HD23	1:209:A:ASP:HA	11	0.32
(1,544)	1:196:A:LEU:HD12	1:197:B:MET:HG3	13	0.32
(1,507)	1:201:A:LYS:HD2	1:201:A:LYS:HA	13	0.32
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	2	0.32
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	5	0.32
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	2	0.32
(1,479)	1:205:A:LEU:HD22	1:206:A:THR:H	6	0.32
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	9	0.32
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	13	0.32
(1,398)	1:213:A:GLU:HG3	1:212:A:LYS:HD2	20	0.32
(1,390)	1:221:A:LEU:HD22	1:222:A:ARG:HA	7	0.32
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG23	11	0.32
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG22	19	0.32
(1,364)	1:227:A:ILE:HG21	1:230:A:GLU:HG3	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:234:A:GLU:HG3	1:231:A:ASN:HA	14	0.32
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	12	0.32
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG21	12	0.32
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG22	18	0.32
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	5	0.32
(1,259)	1:246:A:LEU:HD23	2:5479:C:ILE:HG21	2	0.32
(1,255)	1:246:A:LEU:HD12	2:5479:C:ILE:HG12	16	0.32
(1,247)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	4	0.32
(1,222)	1:242:A:ILE:HD11	1:244:A:ASP:H	13	0.32
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	4	0.32
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	12	0.32
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	11	0.32
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	12	0.32
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	13	0.32
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	20	0.32
(1,172)	1:223:A:ASN:HA	2:5475:C:LYS:HG2	15	0.32
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	6	0.32
(1,111)	1:200:A:VAL:HG11	1:200:A:VAL:HB	10	0.32
(1,111)	1:207:A:VAL:HG13	1:207:A:VAL:HB	12	0.32
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	16	0.32
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	17	0.32
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	18	0.32
(1,111)	1:200:A:VAL:HG11	1:200:A:VAL:HB	19	0.32
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	2	0.32
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	4	0.32
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	8	0.32
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	20	0.31
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	20	0.31
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	20	0.31
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	4	0.31
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	4	0.31
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	4	0.31
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	4	0.31
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	4	0.31
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	4	0.31
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	4	0.31
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	4	0.31
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	4	0.31
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	13	0.31
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	13	0.31
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	13	0.31
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	13	0.31
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	13	0.31
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	13	0.31
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	13	0.31
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	13	0.31
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG21	18	0.31
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG22	18	0.31
(2,2647)	1:239:A:LEU:HD21	1:238:B:VAL:HG23	18	0.31
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG21	18	0.31
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG22	18	0.31
(2,2647)	1:239:A:LEU:HD22	1:238:B:VAL:HG23	18	0.31
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG21	18	0.31
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG22	18	0.31
(2,2647)	1:239:A:LEU:HD23	1:238:B:VAL:HG23	18	0.31
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	14	0.31
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	14	0.31
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	14	0.31
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	14	0.31
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	14	0.31
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	14	0.31
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	14	0.31
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	14	0.31
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	14	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	10	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	10	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	10	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	10	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	10	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	10	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	10	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	10	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	10	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	15	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	15	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	15	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	15	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	15	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	15	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	15	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	15	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	15	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	19	0.31
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	19	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	19	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	19	0.31
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	19	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	19	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	19	0.31
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	19	0.31
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	10	0.31
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	10	0.31
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	10	0.31
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	10	0.31
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	10	0.31
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	10	0.31
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	19	0.31
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	19	0.31
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	19	0.31
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	19	0.31
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	19	0.31
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	19	0.31
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	19	0.31
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	19	0.31
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	19	0.31
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	16	0.31
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	16	0.31
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	16	0.31
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	16	0.31
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	16	0.31
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	16	0.31
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	16	0.31
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	16	0.31
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	16	0.31
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	19	0.31
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	19	0.31
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	19	0.31
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	19	0.31
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	19	0.31
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	19	0.31
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	19	0.31
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	19	0.31
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	19	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	1	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	1	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	16	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	16	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	16	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	19	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	19	0.31
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	19	0.31
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG23	18	0.31
(2,2519)	1:221:A:LEU:HD13	1:221:B:LEU:HG	13	0.31
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB1	2	0.31
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB1	4	0.31
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	17	0.31
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG23	3	0.31
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	10	0.31
(2,2365)	1:207:A:VAL:HG21	1:203:B:LEU:HG	18	0.31
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	1	0.31
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	2	0.31
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	15	0.31
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	16	0.31
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	15	0.31
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	5	0.31
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD22	5	0.31
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	6	0.31
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	1	0.31
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	17	0.31
(2,1837)	1:198:A:GLN:HE21	1:198:A:GLN:HB2	7	0.31
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	3	0.31
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	16	0.31
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	20	0.31
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	5	0.31
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	2	0.31
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	3	0.31
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	6	0.31
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	9	0.31
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	10	0.31
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	5	0.31
(2,1359)	1:196:A:LEU:HD21	1:197:B:MET:H	14	0.31
(2,1359)	1:196:A:LEU:HD22	1:197:B:MET:H	18	0.31
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	19	0.31
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	13	0.31
(2,1315)	1:204:A:LYS:H	1:204:A:LYS:HD3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	1	0.31
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	19	0.31
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	15	0.31
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	18	0.31
(2,1171)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	13	0.31
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	8	0.31
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	20	0.31
(2,947)	1:243:A:VAL:HG13	1:246:A:LEU:HB3	9	0.31
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	7	0.31
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	10	0.31
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	19	0.31
(2,916)	1:245:A:ILE:HG23	1:223:B:ASN:H	1	0.31
(2,880)	1:248:A:ALA:HB1	1:245:A:ILE:HD12	20	0.31
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	2	0.31
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	3	0.31
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	12	0.31
(2,787)	1:257:A:ASP:HB2	1:256:A:PRO:HB3	20	0.31
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	13	0.31
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	4	0.31
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD11	1	0.31
(2,425)	1:227:A:ILE:HG21	1:242:B:ILE:HD12	19	0.31
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	4	0.31
(2,343)	1:202:A:VAL:HG11	1:199:A:GLN:HA	11	0.31
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	20	0.31
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	20	0.31
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	8	0.31
(2,249)	1:221:A:LEU:HD11	1:220:B:LYS:HB3	7	0.31
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	15	0.31
(2,103)	1:206:A:THR:HG22	1:207:B:VAL:HG21	5	0.31
(2,67)	1:242:A:ILE:HD11	1:224:B:ILE:HA	9	0.31
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD11	9	0.31
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD11	16	0.31
(2,40)	1:222:A:ARG:HD3	1:222:A:ARG:HA	14	0.31
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	12	0.31
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	12	0.31
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	12	0.31
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	17	0.31
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	17	0.31
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	1	0.31
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	1	0.31
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	10	0.31
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	10	0.31
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	15	0.31
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	15	0.31
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	15	0.31
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	19	0.31
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	19	0.31
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	19	0.31
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	2	0.31
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	2	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	9	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	9	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	9	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	10	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	10	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	10	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	20	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	20	0.31
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	20	0.31
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	9	0.31
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	9	0.31
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	9	0.31
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	9	0.31
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	9	0.31
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	9	0.31
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	9	0.31
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	9	0.31
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	9	0.31
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	10	0.31
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	10	0.31
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	10	0.31
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	10	0.31
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	10	0.31
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	10	0.31
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	10	0.31
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	10	0.31
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	10	0.31
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	8	0.31
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	8	0.31
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	8	0.31
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	8	0.31
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	8	0.31
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	8	0.31
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	8	0.31
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	8	0.31
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	6	0.31
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	6	0.31
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	6	0.31
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	6	0.31
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	6	0.31
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	6	0.31
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	6	0.31
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	6	0.31
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	6	0.31
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	18	0.31
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	18	0.31
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	18	0.31
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	18	0.31
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	18	0.31
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	18	0.31
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	18	0.31
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	18	0.31
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	18	0.31
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	7	0.31
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	11	0.31
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	7	0.31
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	11	0.31
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	15	0.31
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	3	0.31
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	3	0.31
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	3	0.31
(1,921)	2:5479:C:ILE:HG21	2:5479:C:ILE:HB	13	0.31
(1,921)	2:5479:C:ILE:HG22	2:5479:C:ILE:HB	13	0.31
(1,921)	2:5479:C:ILE:HG23	2:5479:C:ILE:HB	13	0.31
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	10	0.31
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	10	0.31
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	10	0.31
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	11	0.31
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	11	0.31
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	11	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	1	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	3	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	4	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	6	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	8	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	9	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	10	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	11	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	12	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	13	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	14	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	15	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	16	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	17	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	18	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	19	0.31
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	20	0.31
(1,881)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	11	0.31
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	6	0.31
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	15	0.31
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	17	0.31
(1,862)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	5	0.31
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	1	0.31
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	7	0.31
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	12	0.31
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	10	0.31
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	3	0.31
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	2	0.31
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	6	0.31
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	6	0.31
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	6	0.31
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	6	0.31
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	6	0.31
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	6	0.31
(1,785)	1:221:B:LEU:HD21	1:217:A:TYR:HD1	18	0.31
(1,785)	1:221:B:LEU:HD21	1:217:A:TYR:HD2	18	0.31
(1,785)	1:221:B:LEU:HD22	1:217:A:TYR:HD1	18	0.31
(1,785)	1:221:B:LEU:HD22	1:217:A:TYR:HD2	18	0.31
(1,785)	1:221:B:LEU:HD23	1:217:A:TYR:HD1	18	0.31
(1,785)	1:221:B:LEU:HD23	1:217:A:TYR:HD2	18	0.31
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	5	0.31
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	8	0.31
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	13	0.31
(1,610)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	6	0.31
(1,544)	1:196:A:LEU:HD11	1:197:B:MET:HG3	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	13	0.31
(1,507)	1:201:A:LYS:HD2	1:201:A:LYS:HA	9	0.31
(1,507)	1:201:A:LYS:HD2	1:201:A:LYS:HA	12	0.31
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	1	0.31
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	14	0.31
(1,496)	1:202:A:VAL:HG13	1:201:A:LYS:HG3	2	0.31
(1,495)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	6	0.31
(1,493)	1:205:A:LEU:HB3	1:202:A:VAL:HG23	7	0.31
(1,491)	1:202:A:VAL:HG23	1:201:A:LYS:HB2	14	0.31
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	17	0.31
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	2	0.31
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	3	0.31
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	11	0.31
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	3	0.31
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	15	0.31
(1,429)	1:200:A:VAL:HG11	1:196:B:LEU:HB3	20	0.31
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	3	0.31
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	11	0.31
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	8	0.31
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	15	0.31
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG21	20	0.31
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	1	0.31
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	8	0.31
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	17	0.31
(1,277)	1:244:A:ASP:HB3	1:245:A:ILE:HD11	20	0.31
(1,246)	1:255:A:ILE:HG21	1:254:A:VAL:HG12	17	0.31
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	10	0.31
(1,241)	1:254:A:VAL:HG11	2:5483:C:GLN:HE22	15	0.31
(1,237)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	13	0.31
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	4	0.31
(1,205)	1:200:A:VAL:HA	1:199:A:GLN:HA	9	0.31
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	17	0.31
(1,178)	1:215:A:ASP:HA	1:211:A:GLU:HA	2	0.31
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD12	11	0.31
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	3	0.31
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD22	17	0.31
(1,127)	1:212:A:LYS:HA	1:215:A:ASP:HA	6	0.31
(1,111)	1:200:A:VAL:HG13	1:200:A:VAL:HB	1	0.31
(1,111)	1:200:A:VAL:HG11	1:200:A:VAL:HB	2	0.31
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	3	0.31
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	7	0.31
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	13	0.31
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG21	16	0.31
(2,2671)	1:203:A:LEU:HD21	1:204:B:LYS:HD2	5	0.3
(2,2671)	1:203:A:LEU:HD22	1:204:B:LYS:HD2	5	0.3
(2,2671)	1:203:A:LEU:HD23	1:204:B:LYS:HD2	5	0.3
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	14	0.3
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	14	0.3
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	14	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	1	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	1	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	1	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	1	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	1	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	1	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	1	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	1	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	1	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	6	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	6	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	6	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	6	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	6	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	6	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	6	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	6	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	6	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	10	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	10	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	10	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	10	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	10	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	10	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	10	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	10	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	10	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	11	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	11	0.3
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	11	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	11	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	11	0.3
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	11	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	11	0.3
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	11	0.3
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	9	0.3
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	9	0.3
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	9	0.3
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	18	0.3
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	18	0.3
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	18	0.3
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	18	0.3
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	18	0.3
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	18	0.3
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	18	0.3
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	18	0.3
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	18	0.3
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	15	0.3
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	15	0.3
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	15	0.3
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	15	0.3
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	15	0.3
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	15	0.3
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	15	0.3
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	15	0.3
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	15	0.3
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	12	0.3
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	12	0.3
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	12	0.3
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	12	0.3
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	12	0.3
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	12	0.3
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	12	0.3
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	12	0.3
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	12	0.3
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	5	0.3
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	5	0.3
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	5	0.3
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	5	0.3
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	5	0.3
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	5	0.3
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	5	0.3
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	5	0.3
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	5	0.3
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	13	0.3
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	13	0.3
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	13	0.3
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	13	0.3
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	13	0.3
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	13	0.3
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	13	0.3
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	13	0.3
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	9	0.3
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	9	0.3
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	9	0.3
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	9	0.3
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	9	0.3
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	9	0.3
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	17	0.3
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	17	0.3
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	17	0.3
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	17	0.3
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	17	0.3
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	17	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	7	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	7	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	7	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	9	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	9	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	9	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	15	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	15	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	15	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	20	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	20	0.3
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	20	0.3
(2,2564)	1:246:A:LEU:HD22	1:242:B:ILE:HG23	20	0.3
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	1	0.3
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	7	0.3
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	12	0.3
(2,2409)	1:238:A:VAL:HG11	1:231:B:ASN:HD21	14	0.3
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG23	8	0.3
(2,2366)	1:207:A:VAL:HG13	1:203:B:LEU:HG	2	0.3
(2,2365)	1:207:A:VAL:HG22	1:203:B:LEU:HG	8	0.3
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD11	11	0.3
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD12	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	9	0.3
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	19	0.3
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	20	0.3
(2,2059)	1:250:A:ASP:H	1:249:A:THR:HB	13	0.3
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	16	0.3
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD23	10	0.3
(2,1927)	1:221:A:LEU:H	1:221:A:LEU:HD21	20	0.3
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	1	0.3
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	9	0.3
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	3	0.3
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	5	0.3
(2,1844)	1:199:A:GLN:HE22	1:195:A:GLU:HB3	11	0.3
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	11	0.3
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB1	15	0.3
(2,1748)	1:235:A:ASN:HB2	1:236:A:ASP:HA	6	0.3
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	4	0.3
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	10	0.3
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	9	0.3
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	10	0.3
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	17	0.3
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	15	0.3
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	2	0.3
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	7	0.3
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	12	0.3
(2,1359)	1:196:A:LEU:HD23	1:197:B:MET:H	1	0.3
(2,1359)	1:196:A:LEU:HD23	1:197:B:MET:H	2	0.3
(2,1359)	1:196:A:LEU:HD21	1:197:B:MET:H	6	0.3
(2,1359)	1:196:A:LEU:HD22	1:197:B:MET:H	17	0.3
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	1	0.3
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	10	0.3
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	12	0.3
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	12	0.3
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	15	0.3
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	11	0.3
(2,1128)	1:226:A:LEU:HD23	1:229:A:GLN:HE21	10	0.3
(2,1116)	1:227:A:ILE:HD12	1:230:A:GLU:HG3	14	0.3
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	2	0.3
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	2	0.3
(2,993)	1:239:A:LEU:HD23	1:238:B:VAL:HA	16	0.3
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	16	0.3
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	6	0.3
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	15	0.3
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	2	0.3
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG23	13	0.3
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	5	0.3
(2,878)	1:248:A:ALA:HB2	1:220:B:LYS:HB2	3	0.3
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	8	0.3
(2,871)	1:206:A:THR:HG22	1:207:A:VAL:H	1	0.3
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	9	0.3
(2,846)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	12	0.3
(2,718)	1:208:A:GLU:HA	1:211:A:GLU:HG2	7	0.3
(2,700)	1:210:A:LEU:HD23	1:208:B:GLU:HA	20	0.3
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	10	0.3
(2,514)	1:212:A:LYS:HA	1:215:A:ASP:HB3	16	0.3
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	8	0.3
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD11	9	0.3
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	13	0.3
(2,447)	1:255:A:ILE:HG22	2:5478:C:LYS:HA	2	0.3
(2,431)	1:193:A:ALA:HB3	1:196:B:LEU:HD21	2	0.3
(2,431)	1:193:A:ALA:HB3	1:196:B:LEU:HD23	8	0.3
(2,425)	1:227:A:ILE:HG23	1:242:B:ILE:HD13	7	0.3
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	6	0.3
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	1	0.3
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	8	0.3
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	18	0.3
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD21	15	0.3
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	17	0.3
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	12	0.3
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	7	0.3
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	1	0.3
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	14	0.3
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD11	19	0.3
(2,184)	1:238:A:VAL:HG23	1:238:A:VAL:HG13	20	0.3
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	1	0.3
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	4	0.3
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD11	13	0.3
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	14	0.3
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD11	2	0.3
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD12	12	0.3
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD12	18	0.3
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD12	20	0.3
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	13	0.3
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	3	0.3
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	3	0.3
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	19	0.3
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	19	0.3
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	4	0.3
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	4	0.3
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	3	0.3
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	3	0.3
(1,1139)	1:217:B:TYR:HE1	2:5480:C:PRO:HB3	13	0.3
(1,1139)	1:217:B:TYR:HE2	2:5480:C:PRO:HB3	13	0.3
(1,1119)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	20	0.3
(1,1119)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	20	0.3
(1,1119)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	20	0.3
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	4	0.3
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	4	0.3
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	4	0.3
(1,1078)	1:254:A:VAL:HG21	2:5483:C:GLN:H	5	0.3
(1,1078)	1:254:A:VAL:HG22	2:5483:C:GLN:H	5	0.3
(1,1078)	1:254:A:VAL:HG23	2:5483:C:GLN:H	5	0.3
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	11	0.3
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	11	0.3
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	11	0.3
(1,1024)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	1	0.3
(1,1024)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	1	0.3
(1,1024)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	1	0.3
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	7	0.3
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	7	0.3
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	7	0.3
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	7	0.3
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	7	0.3
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	7	0.3
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	7	0.3
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	7	0.3
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	7	0.3
(1,1022)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	12	0.3
(1,1022)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	12	0.3
(1,1022)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	12	0.3
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	5	0.3
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	5	0.3
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	5	0.3
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	8	0.3
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	8	0.3
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	20	0.3
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	20	0.3
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	20	0.3
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	7	0.3
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	7	0.3
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	7	0.3
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	2	0.3
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	8	0.3
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	6	0.3
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	10	0.3
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	2	0.3
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	4	0.3
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	8	0.3
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	10	0.3
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	19	0.3
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	4	0.3
(1,896)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	7	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	1	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	1	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	1	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	4	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	4	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	4	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	20	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	20	0.3
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	20	0.3
(1,862)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	2	0.3
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	3	0.3
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	2	0.3
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	13	0.3
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	14	0.3
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	3	0.3
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	20	0.3
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	5	0.3
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	17	0.3
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	10	0.3
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	10	0.3
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	10	0.3
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	10	0.3
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	10	0.3
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	10	0.3
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	10	0.3
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	10	0.3
(1,795)	1:249:B:THR:HG21	1:216:A:PHE:HE1	13	0.3
(1,795)	1:249:B:THR:HG21	1:216:A:PHE:HE2	13	0.3
(1,795)	1:249:B:THR:HG22	1:216:A:PHE:HE1	13	0.3
(1,795)	1:249:B:THR:HG22	1:216:A:PHE:HE2	13	0.3
(1,795)	1:249:B:THR:HG23	1:216:A:PHE:HE1	13	0.3
(1,795)	1:249:B:THR:HG23	1:216:A:PHE:HE2	13	0.3
(1,739)	1:225:A:GLU:H	1:229:A:GLN:HB2	17	0.3
(1,642)	1:197:A:MET:H	1:196:A:LEU:HD22	11	0.3
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	8	0.3
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	10	0.3
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	20	0.3
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	11	0.3
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	8	0.3
(1,496)	1:202:A:VAL:HG11	1:201:A:LYS:HG3	5	0.3
(1,490)	1:202:A:VAL:HG22	1:204:B:LYS:HE2	13	0.3
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	18	0.3
(1,479)	1:205:A:LEU:HD22	1:206:A:THR:H	5	0.3
(1,479)	1:205:A:LEU:HD21	1:206:A:THR:H	16	0.3
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	4	0.3
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	15	0.3
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	3	0.3
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	16	0.3
(1,412)	1:213:A:GLU:H	1:210:A:LEU:HD11	20	0.3
(1,364)	1:227:A:ILE:HG23	1:230:A:GLU:HG3	14	0.3
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	7	0.3
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	10	0.3
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	11	0.3
(1,326)	1:238:A:VAL:HG13	1:239:A:LEU:HA	16	0.3
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	12	0.3
(1,316)	1:239:A:LEU:HD12	1:234:A:GLU:HG3	2	0.3
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	3	0.3
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	1	0.3
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	7	0.3
(1,246)	1:255:A:ILE:HG22	1:254:A:VAL:HG13	7	0.3
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	7	0.3
(1,241)	1:254:A:VAL:HG13	2:5483:C:GLN:HE22	11	0.3
(1,237)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	8	0.3
(1,236)	1:254:A:VAL:HG22	2:5484:C:ARG:H	20	0.3
(1,233)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	14	0.3
(1,211)	1:206:A:THR:HA	1:205:A:LEU:HB2	17	0.3
(1,197)	1:209:A:ASP:HA	1:212:A:LYS:HB3	3	0.3
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	4	0.3
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	16	0.3
(1,158)	1:235:A:ASN:HA	1:232:A:GLU:HB3	16	0.3
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG22	15	0.3
(1,127)	1:212:A:LYS:HA	1:209:A:ASP:HA	9	0.3
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	3	0.3
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD22	2	0.3
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	6	0.3
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	14	0.3
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	11	0.29
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	11	0.29
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	11	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	12	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	12	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	12	0.29
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	12	0.29
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	12	0.29
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	12	0.29
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	12	0.29
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	12	0.29
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	12	0.29
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	4	0.29
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	4	0.29
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	4	0.29
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	7	0.29
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	7	0.29
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	7	0.29
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	7	0.29
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	7	0.29
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	7	0.29
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	7	0.29
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	7	0.29
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	7	0.29
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	19	0.29
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	19	0.29
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	19	0.29
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	16	0.29
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	16	0.29
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	16	0.29
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	16	0.29
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	16	0.29
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	16	0.29
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	16	0.29
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	16	0.29
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	19	0.29
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	19	0.29
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	19	0.29
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	19	0.29
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	19	0.29
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	19	0.29
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	19	0.29
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	19	0.29
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	19	0.29
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	2	0.29
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	2	0.29
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	2	0.29
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	2	0.29
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	2	0.29
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	2	0.29
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	2	0.29
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	2	0.29
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	2	0.29
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	2	0.29
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	2	0.29
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	2	0.29
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	2	0.29
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	2	0.29
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	2	0.29
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	2	0.29
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	2	0.29
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	2	0.29
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	19	0.29
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	19	0.29
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	19	0.29
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	19	0.29
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	19	0.29
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	19	0.29
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	8	0.29
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	8	0.29
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	8	0.29
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	8	0.29
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	8	0.29
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	8	0.29
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	8	0.29
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	8	0.29
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG21	3	0.29
(2,2564)	1:246:A:LEU:HD21	1:242:B:ILE:HG21	4	0.29
(2,2523)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	12	0.29
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	3	0.29
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG23	4	0.29
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG21	13	0.29
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	7	0.29
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	14	0.29
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	20	0.29
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	10	0.29
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	19	0.29
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	17	0.29
(2,2331)	1:225:A:GLU:H	1:229:A:GLN:HG2	16	0.29
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	18	0.29
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	14	0.29
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	4	0.29
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD11	10	0.29
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	17	0.29
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	3	0.29
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	12	0.29
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	8	0.29
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	10	0.29
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	18	0.29
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB3	9	0.29
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	12	0.29
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB1	20	0.29
(2,1764)	1:238:A:VAL:HG22	1:237:A:PRO:HD2	11	0.29
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	8	0.29
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	9	0.29
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	1	0.29
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	8	0.29
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	14	0.29
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	17	0.29
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	14	0.29
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	13	0.29
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG21	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1410)	1:201:A:LYS:H	1:201:A:LYS:HG2	19	0.29
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	13	0.29
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	19	0.29
(2,1359)	1:196:A:LEU:HD21	1:197:B:MET:H	3	0.29
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	6	0.29
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	9	0.29
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	4	0.29
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	8	0.29
(2,1287)	1:205:A:LEU:H	1:205:A:LEU:HD13	19	0.29
(2,1209)	1:212:A:LYS:HE2	1:209:A:ASP:HA	1	0.29
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	7	0.29
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	16	0.29
(2,1135)	1:226:A:LEU:HD13	2:5475:C:LYS:HG2	20	0.29
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG13	14	0.29
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG11	20	0.29
(2,982)	1:240:A:GLN:HA	1:240:A:GLN:HG3	6	0.29
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	1	0.29
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	2	0.29
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	5	0.29
(2,916)	1:245:A:ILE:HG23	1:223:B:ASN:H	5	0.29
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	4	0.29
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	1	0.29
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	4	0.29
(2,871)	1:206:A:THR:HG22	1:207:A:VAL:H	5	0.29
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	6	0.29
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	11	0.29
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	13	0.29
(2,832)	1:255:A:ILE:HD12	2:5480:C:PRO:HG2	14	0.29
(2,700)	1:210:A:LEU:HD23	1:208:B:GLU:HA	8	0.29
(2,494)	1:257:A:ASP:HA	1:257:A:ASP:HB3	12	0.29
(2,494)	1:257:A:ASP:HA	1:257:A:ASP:HB3	20	0.29
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB3	10	0.29
(2,438)	1:227:A:ILE:HG12	1:242:B:ILE:HD13	9	0.29
(2,343)	1:202:A:VAL:HG12	1:199:A:GLN:HA	13	0.29
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	3	0.29
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	4	0.29
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD21	19	0.29
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	13	0.29
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	8	0.29
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	18	0.29
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	18	0.29
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD12	11	0.29
(2,174)	1:239:A:LEU:HD23	1:239:A:LEU:HD12	12	0.29
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	17	0.29
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	6	0.29
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	11	0.29
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG23	3	0.29
(2,96)	1:255:A:ILE:HD13	1:249:A:THR:HB	13	0.29
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	19	0.29
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD11	14	0.29
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD12	17	0.29
(2,53)	1:227:A:ILE:HG12	1:226:A:LEU:HD21	11	0.29
(2,36)	1:224:A:ILE:HA	1:242:B:ILE:HD12	3	0.29
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	9	0.29
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	9	0.29
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	18	0.29
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	18	0.29
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	15	0.29
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	15	0.29
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	8	0.29
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	8	0.29
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	8	0.29
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	12	0.29
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	12	0.29
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	12	0.29
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	12	0.29
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	12	0.29
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	12	0.29
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	7	0.29
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	7	0.29
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	7	0.29
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	7	0.29
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	7	0.29
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	7	0.29
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	7	0.29
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	7	0.29
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	7	0.29
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	14	0.29
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	14	0.29
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	14	0.29
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	14	0.29
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	14	0.29
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	14	0.29
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	14	0.29
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	14	0.29
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	17	0.29
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	17	0.29
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	17	0.29
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	17	0.29
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	17	0.29
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	17	0.29
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	17	0.29
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	17	0.29
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	17	0.29
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	13	0.29
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	13	0.29
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	13	0.29
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	15	0.29
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	15	0.29
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	15	0.29
(1,993)	2:5475:C:LYS:HA	2:5475:C:LYS:HD3	20	0.29
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	11	0.29
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	12	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	1	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	3	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	5	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	6	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	9	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	13	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	14	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	16	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	17	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	18	0.29
(1,937)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB2	20	0.29
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	1	0.29
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	2	0.29
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	3	0.29
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	4	0.29
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	9	0.29
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	17	0.29
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	6	0.29
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	9	0.29
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	9	0.29
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	5	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	5	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	5	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	6	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	6	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	6	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	19	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	19	0.29
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	19	0.29
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	19	0.29
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	4	0.29
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	15	0.29
(1,848)	2:5481:C:THR:HA	2:5482:C:PRO:HD3	2	0.29
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	1	0.29
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	6	0.29
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	18	0.29
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	6	0.29
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	18	0.29
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	18	0.29
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	18	0.29
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	18	0.29
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	18	0.29
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	18	0.29
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	18	0.29
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	18	0.29
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	18	0.29
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	15	0.29
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	15	0.29
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	15	0.29
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	15	0.29
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	15	0.29
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	15	0.29
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	15	0.29
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	15	0.29
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	15	0.29
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	5	0.29
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	5	0.29
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	14	0.29
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	14	0.29
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	2	0.29
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	10	0.29
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD21	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD23	8	0.29
(1,621)	1:210:A:LEU:HG	1:213:A:GLU:H	4	0.29
(1,610)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	14	0.29
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	4	0.29
(1,533)	1:200:A:VAL:HG13	1:198:A:GLN:HB2	9	0.29
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	12	0.29
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG22	11	0.29
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	17	0.29
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	9	0.29
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	7	0.29
(1,479)	1:205:A:LEU:HD21	1:206:A:THR:H	15	0.29
(1,427)	1:207:A:VAL:HG13	1:203:B:LEU:HG	19	0.29
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	12	0.29
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	20	0.29
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	13	0.29
(1,377)	1:224:A:ILE:HG21	1:221:A:LEU:HG	18	0.29
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	5	0.29
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	3	0.29
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	10	0.29
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG23	15	0.29
(1,313)	1:239:A:LEU:HD12	1:231:A:ASN:HB3	19	0.29
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	3	0.29
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	2	0.29
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	8	0.29
(1,242)	1:225:A:GLU:HG3	1:226:A:LEU:HD12	4	0.29
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	6	0.29
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	20	0.29
(1,160)	1:232:A:GLU:HA	1:231:A:ASN:HB3	14	0.29
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	2	0.29
(1,111)	1:200:A:VAL:HG12	1:200:A:VAL:HB	5	0.29
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	12	0.29
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	5	0.29
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG21	11	0.29
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	4	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	4	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	4	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	4	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	4	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	4	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	4	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	4	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	7	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	7	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	7	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	7	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	7	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	7	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	7	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	7	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	7	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	18	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	18	0.28
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	18	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	18	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	18	0.28
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	18	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	18	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	18	0.28
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	18	0.28
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	13	0.28
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	13	0.28
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	13	0.28
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	17	0.28
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	17	0.28
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	17	0.28
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	17	0.28
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	17	0.28
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	17	0.28
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	17	0.28
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	17	0.28
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	17	0.28
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	16	0.28
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	16	0.28
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	16	0.28
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	1	0.28
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	1	0.28
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	1	0.28
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	1	0.28
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	1	0.28
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	1	0.28
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	1	0.28
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	1	0.28
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	12	0.28
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	12	0.28
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	12	0.28
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	12	0.28
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	12	0.28
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	12	0.28
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	12	0.28
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	12	0.28
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	12	0.28
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	14	0.28
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	14	0.28
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	14	0.28
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	14	0.28
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	14	0.28
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	14	0.28
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	18	0.28
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	18	0.28
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	18	0.28
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	18	0.28
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	18	0.28
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	18	0.28
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	18	0.28
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	18	0.28
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	18	0.28
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD11	8	0.28
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD12	8	0.28
(2,2589)	1:193:B:ALA:HA	1:196:A:LEU:HD13	8	0.28
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	7	0.28
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG13	17	0.28
(2,2469)	1:220:A:LYS:HE2	1:248:B:ALA:HB3	18	0.28
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	4	0.28
(2,2458)	1:221:A:LEU:HD12	1:217:B:TYR:HB2	1	0.28
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	16	0.28
(2,2437)	1:245:A:ILE:HG21	1:220:B:LYS:HG2	11	0.28
(2,2409)	1:238:A:VAL:HG12	1:231:B:ASN:HD21	20	0.28
(2,2393)	1:224:A:ILE:HG22	1:245:B:ILE:HD12	13	0.28
(2,2384)	1:214:A:ARG:HG2	1:217:B:TYR:HE1	19	0.28
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	4	0.28
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD12	8	0.28
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD13	20	0.28
(2,2342)	1:196:A:LEU:HD22	1:197:B:MET:H	8	0.28
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG11	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2150)	1:235:A:ASN:HD22	1:233:A:GLY:HA3	7	0.28
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	6	0.28
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	1	0.28
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	5	0.28
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	11	0.28
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	4	0.28
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	5	0.28
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	4	0.28
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	7	0.28
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	14	0.28
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	18	0.28
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	19	0.28
(2,1745)	1:239:A:LEU:HD23	1:235:A:ASN:HB3	8	0.28
(2,1621)	1:254:A:VAL:HG21	2:5481:C:THR:HB	7	0.28
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB2	4	0.28
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	14	0.28
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	19	0.28
(2,1493)	1:200:A:VAL:HG11	1:197:A:MET:HG2	12	0.28
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	12	0.28
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB3	6	0.28
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB1	17	0.28
(2,1437)	1:209:A:ASP:H	1:207:A:VAL:HG11	18	0.28
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	7	0.28
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	15	0.28
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	16	0.28
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	3	0.28
(2,1359)	1:196:A:LEU:HD23	1:197:B:MET:H	7	0.28
(2,1359)	1:196:A:LEU:HD22	1:197:B:MET:H	19	0.28
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	3	0.28
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	11	0.28
(2,1238)	1:210:A:LEU:HD13	1:214:B:ARG:HD3	15	0.28
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	16	0.28
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	20	0.28
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	13	0.28
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	15	0.28
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	16	0.28
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	20	0.28
(2,1152)	1:224:A:ILE:HD13	1:220:A:LYS:HA	19	0.28
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	15	0.28
(2,1118)	1:227:A:ILE:HD12	1:230:A:GLU:H	14	0.28
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG13	14	0.28
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG21	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	20	0.28
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	3	0.28
(2,916)	1:245:A:ILE:HG22	1:223:B:ASN:H	18	0.28
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	16	0.28
(2,875)	1:249:A:THR:HG22	1:216:B:PHE:HZ	20	0.28
(2,854)	1:255:A:ILE:HD13	1:249:A:THR:HA	13	0.28
(2,838)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	3	0.28
(2,838)	1:254:A:VAL:HG21	2:5483:C:GLN:HA	4	0.28
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	11	0.28
(2,431)	1:193:A:ALA:HB2	1:196:B:LEU:HD23	10	0.28
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG23	3	0.28
(2,343)	1:202:A:VAL:HG13	1:199:A:GLN:HA	15	0.28
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	2	0.28
(2,340)	1:202:A:VAL:HG22	1:202:A:VAL:HB	4	0.28
(2,340)	1:202:A:VAL:HG22	1:202:A:VAL:HB	14	0.28
(2,340)	1:202:A:VAL:HG21	1:202:A:VAL:HB	19	0.28
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG21	1	0.28
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG23	7	0.28
(2,339)	1:202:A:VAL:HA	1:202:A:VAL:HG22	10	0.28
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	11	0.28
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	12	0.28
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD21	16	0.28
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	13	0.28
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	9	0.28
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	10	0.28
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	16	0.28
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD12	10	0.28
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD12	15	0.28
(2,103)	1:206:A:THR:HG22	1:207:B:VAL:HG22	1	0.28
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG21	14	0.28
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD13	3	0.28
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD12	9	0.28
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD23	16	0.28
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	18	0.28
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	8	0.28
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	8	0.28
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	2	0.28
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	2	0.28
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	16	0.28
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	16	0.28
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	2	0.28
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	18	0.28
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	18	0.28
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	18	0.28
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	13	0.28
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	13	0.28
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	13	0.28
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	17	0.28
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	17	0.28
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	17	0.28
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	20	0.28
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	20	0.28
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	20	0.28
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	20	0.28
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	20	0.28
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	20	0.28
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	20	0.28
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	20	0.28
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	20	0.28
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	19	0.28
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	19	0.28
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	19	0.28
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	19	0.28
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	19	0.28
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	19	0.28
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	19	0.28
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	19	0.28
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	19	0.28
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	13	0.28
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	13	0.28
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD13	13	0.28
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	13	0.28
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	13	0.28
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD13	13	0.28
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	13	0.28
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD12	13	0.28
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD13	13	0.28
(1,1045)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	18	0.28
(1,1045)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	18	0.28
(1,1045)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	18	0.28
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	3	0.28
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	3	0.28
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	2	0.28
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	2	0.28
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	2	0.28
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	16	0.28
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	16	0.28
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	16	0.28
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	15	0.28
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	15	0.28
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	15	0.28
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	2	0.28
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	9	0.28
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	20	0.28
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	9	0.28
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	20	0.28
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	1	0.28
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	6	0.28
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	10	0.28
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	16	0.28
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	16	0.28
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	16	0.28
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	18	0.28
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	18	0.28
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	18	0.28
(1,901)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE3	1	0.28
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	12	0.28
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	12	0.28
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	12	0.28
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	18	0.28
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	18	0.28
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	18	0.28
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	3	0.28
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	4	0.28
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	6	0.28
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	15	0.28
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	2	0.28
(1,847)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	13	0.28
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	15	0.28
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	3	0.28
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	5	0.28
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	16	0.28
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	2	0.28
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	7	0.28
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	7	0.28
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	7	0.28
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	7	0.28
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	7	0.28
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	7	0.28
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	7	0.28
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	7	0.28
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	8	0.28
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	8	0.28
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	8	0.28
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	8	0.28
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	8	0.28
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	8	0.28
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	8	0.28
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	8	0.28
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	8	0.28
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	3	0.28
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	20	0.28
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	20	0.28
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	20	0.28
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	11	0.28
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	11	0.28
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	12	0.28
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	1	0.28
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG12	3	0.28
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG13	16	0.28
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	5	0.28
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	13	0.28
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	9	0.28
(1,610)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	16	0.28
(1,592)	1:208:A:GLU:HA	1:212:A:LYS:HD2	1	0.28
(1,571)	1:208:A:GLU:HG2	1:205:A:LEU:HG	1	0.28
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	13	0.28
(1,544)	1:196:A:LEU:HD11	1:197:B:MET:HG3	11	0.28
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	14	0.28
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	5	0.28
(1,491)	1:202:A:VAL:HG21	1:201:A:LYS:HB2	6	0.28
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	4	0.28
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	13	0.28
(1,479)	1:205:A:LEU:HD22	1:206:A:THR:H	20	0.28
(1,440)	1:200:A:VAL:HB	1:199:B:GLN:H	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:200:A:VAL:HG13	1:196:B:LEU:HB3	9	0.28
(1,427)	1:200:A:VAL:HG13	1:196:B:LEU:HG	4	0.28
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	16	0.28
(1,401)	1:213:A:GLU:H	1:212:A:LYS:HD2	7	0.28
(1,401)	1:213:A:GLU:H	1:212:A:LYS:HD2	8	0.28
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	6	0.28
(1,334)	1:237:A:PRO:HB2	1:236:A:ASP:HA	9	0.28
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	5	0.28
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	8	0.28
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	6	0.28
(1,313)	1:239:A:LEU:HD12	1:231:A:ASN:HB3	12	0.28
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG21	1	0.28
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG22	19	0.28
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG21	3	0.28
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	10	0.28
(1,170)	1:224:A:ILE:HA	1:242:A:ILE:HD13	13	0.28
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	7	0.28
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD22	14	0.28
(1,102)	1:200:A:VAL:HG13	1:198:A:GLN:HG2	2	0.28
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	6	0.28
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	1	0.27
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	1	0.27
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	1	0.27
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	4	0.27
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	4	0.27
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	4	0.27
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	8	0.27
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	8	0.27
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	8	0.27
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	9	0.27
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	9	0.27
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	9	0.27
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	12	0.27
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	12	0.27
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	12	0.27
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	3	0.27
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	3	0.27
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	3	0.27
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	3	0.27
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	3	0.27
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	3	0.27
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	3	0.27
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	3	0.27
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	4	0.27
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	4	0.27
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	4	0.27
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	4	0.27
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	4	0.27
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	4	0.27
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	4	0.27
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	4	0.27
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	4	0.27
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	8	0.27
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	8	0.27
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	8	0.27
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	8	0.27
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	8	0.27
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	8	0.27
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	8	0.27
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	8	0.27
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	8	0.27
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	9	0.27
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	9	0.27
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	9	0.27
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	9	0.27
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	9	0.27
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	9	0.27
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	9	0.27
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	9	0.27
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	9	0.27
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	4	0.27
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	4	0.27
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	4	0.27
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	4	0.27
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	4	0.27
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	4	0.27
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	4	0.27
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	4	0.27
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	4	0.27
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	4	0.27
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	4	0.27
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	4	0.27
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	4	0.27
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	4	0.27
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	4	0.27
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	4	0.27
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	4	0.27
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	13	0.27
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	13	0.27
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	13	0.27
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	13	0.27
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	13	0.27
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	13	0.27
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	13	0.27
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	13	0.27
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	13	0.27
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD1	1	0.27
(2,2614)	1:221:A:LEU:HD21	1:217:B:TYR:HD2	1	0.27
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD1	1	0.27
(2,2614)	1:221:A:LEU:HD22	1:217:B:TYR:HD2	1	0.27
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD1	1	0.27
(2,2614)	1:221:A:LEU:HD23	1:217:B:TYR:HD2	1	0.27
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	6	0.27
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	6	0.27
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	6	0.27
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	6	0.27
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	6	0.27
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	6	0.27
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	6	0.27
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	6	0.27
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	6	0.27
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	2	0.27
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	2	0.27
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	2	0.27
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	2	0.27
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	2	0.27
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	2	0.27
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	2	0.27
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	2	0.27
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	2	0.27
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	18	0.27
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	18	0.27
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	18	0.27
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	18	0.27
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	18	0.27
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	18	0.27
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	18	0.27
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	18	0.27
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG21	7	0.27
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG22	10	0.27
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG21	8	0.27
(2,2450)	1:203:A:LEU:HD23	1:204:B:LYS:HG2	15	0.27
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	1	0.27
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	1	0.27
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	4	0.27
(2,2410)	1:238:A:VAL:HG11	1:231:B:ASN:HD22	16	0.27
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	17	0.27
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG23	5	0.27
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG22	14	0.27
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	13	0.27
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	1	0.27
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	6	0.27
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	10	0.27
(2,2340)	1:193:A:ALA:HB3	1:196:B:LEU:HD11	20	0.27
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG11	6	0.27
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	16	0.27
(2,2134)	1:240:A:GLN:HE22	1:244:A:ASP:H	10	0.27
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	16	0.27
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	3	0.27
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	15	0.27
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD13	1	0.27
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD22	18	0.27
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	11	0.27
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	13	0.27
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	6	0.27
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	19	0.27
(2,1620)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	15	0.27
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB2	7	0.27
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	7	0.27
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	7	0.27
(2,1493)	1:200:A:VAL:HG13	1:197:A:MET:HG2	9	0.27
(2,1493)	1:200:A:VAL:HG12	1:197:A:MET:HG2	13	0.27
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	11	0.27
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	18	0.27
(2,1432)	1:200:A:VAL:HG21	1:199:B:GLN:HE21	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	2	0.27
(2,1357)	1:203:A:LEU:HD12	1:204:B:LYS:HD3	15	0.27
(2,1346)	1:203:A:LEU:HD23	1:204:B:LYS:HG3	15	0.27
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	16	0.27
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD12	15	0.27
(2,1330)	1:204:A:LYS:HB2	1:203:B:LEU:HD11	16	0.27
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	5	0.27
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	12	0.27
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	3	0.27
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	6	0.27
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD11	7	0.27
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	1	0.27
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD13	5	0.27
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	2	0.27
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	6	0.27
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	12	0.27
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	18	0.27
(2,1135)	1:226:A:LEU:HD13	2:5475:C:LYS:HG2	11	0.27
(2,995)	1:234:A:GLU:HG3	1:239:A:LEU:HD23	7	0.27
(2,947)	1:243:A:VAL:HG12	1:246:A:LEU:HB3	20	0.27
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	9	0.27
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	11	0.27
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	19	0.27
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	14	0.27
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	12	0.27
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	16	0.27
(2,870)	1:249:A:THR:HG23	1:251:A:GLU:H	11	0.27
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG13	9	0.27
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	7	0.27
(2,516)	1:212:A:LYS:HA	1:212:A:LYS:HG3	6	0.27
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	17	0.27
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	1	0.27
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	8	0.27
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	9	0.27
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	11	0.27
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	12	0.27
(2,343)	1:202:A:VAL:HG11	1:199:A:GLN:HA	16	0.27
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	5	0.27
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	6	0.27
(2,340)	1:202:A:VAL:HG23	1:202:A:VAL:HB	17	0.27
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD22	1	0.27
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD22	5	0.27
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD22	20	0.27
(2,276)	1:200:A:VAL:HG12	1:196:B:LEU:HB2	10	0.27
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	5	0.27
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	6	0.27
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	12	0.27
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	20	0.27
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	6	0.27
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	8	0.27
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	10	0.27
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD23	3	0.27
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD21	9	0.27
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD11	10	0.27
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD13	14	0.27
(2,103)	1:206:A:THR:HG22	1:207:B:VAL:HG22	17	0.27
(2,101)	1:210:A:LEU:HD21	1:206:A:THR:HG23	4	0.27
(2,91)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	3	0.27
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	5	0.27
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	16	0.27
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	17	0.27
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD13	7	0.27
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	9	0.27
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	9	0.27
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	1	0.27
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	1	0.27
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	5	0.27
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	5	0.27
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	11	0.27
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	11	0.27
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	11	0.27
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	19	0.27
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	19	0.27
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	19	0.27
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	7	0.27
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	7	0.27
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	7	0.27
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	7	0.27
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	7	0.27
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	7	0.27
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	7	0.27
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	7	0.27
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	17	0.27
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	17	0.27
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	17	0.27
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	17	0.27
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	17	0.27
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	17	0.27
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	17	0.27
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	17	0.27
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	17	0.27
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	19	0.27
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	19	0.27
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	19	0.27
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	13	0.27
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	20	0.27
(1,961)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	7	0.27
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	5	0.27
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	8	0.27
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	5	0.27
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	7	0.27
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	13	0.27
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	14	0.27
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	16	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	9	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	9	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	9	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	10	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	10	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	10	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	14	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	14	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	14	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	17	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	17	0.27
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	17	0.27
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	14	0.27
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	3	0.27
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	5	0.27
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	3	0.27
(1,847)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	14	0.27
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	19	0.27
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	2	0.27
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	5	0.27
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	9	0.27
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	9	0.27
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	9	0.27
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	9	0.27
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	9	0.27
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	9	0.27
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	9	0.27
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	9	0.27
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	9	0.27
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	10	0.27
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	10	0.27
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	10	0.27
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	10	0.27
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	10	0.27
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	10	0.27
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	10	0.27
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	10	0.27
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	10	0.27
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	6	0.27
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	15	0.27
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	19	0.27
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG21	18	0.27
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG22	18	0.27
(1,805)	2:5479:C:ILE:HD11	2:5481:C:THR:HG23	18	0.27
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG21	18	0.27
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG22	18	0.27
(1,805)	2:5479:C:ILE:HD12	2:5481:C:THR:HG23	18	0.27
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG21	18	0.27
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG22	18	0.27
(1,805)	2:5479:C:ILE:HD13	2:5481:C:THR:HG23	18	0.27
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	18	0.27
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	18	0.27
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	18	0.27
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	18	0.27
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	18	0.27
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	18	0.27
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	18	0.27
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	18	0.27
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	18	0.27
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	14	0.27
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	1	0.27
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	1	0.27
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	9	0.27
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	9	0.27
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG12	5	0.27
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	15	0.27
(1,675)	1:212:A:LYS:H	1:212:A:LYS:HD2	6	0.27
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	14	0.27
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	14	0.27
(1,610)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	15	0.27
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	11	0.27
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD13	1	0.27
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG21	13	0.27
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	13	0.27
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	20	0.27
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	3	0.27
(1,488)	1:202:A:VAL:HG22	1:201:A:LYS:HA	8	0.27
(1,479)	1:205:A:LEU:HD22	1:206:A:THR:H	1	0.27
(1,450)	1:205:A:LEU:HB2	1:208:A:GLU:HB3	1	0.27
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	11	0.27
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	3	0.27
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	15	0.27
(1,312)	1:239:A:LEU:H	1:239:A:LEU:HD23	9	0.27
(1,309)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	10	0.27
(1,308)	1:239:A:LEU:HD22	1:236:B:ASP:HB3	13	0.27
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	4	0.27
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	13	0.27
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	18	0.27
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	13	0.27
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	4	0.27
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	11	0.27
(1,256)	1:245:A:ILE:H	1:246:A:LEU:HD11	7	0.27
(1,256)	1:245:A:ILE:H	1:246:A:LEU:HD13	14	0.27
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD22	19	0.27
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	4	0.27
(1,178)	1:215:A:ASP:HA	1:211:A:GLU:HA	17	0.27
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	17	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	6	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	7	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	11	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	12	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	18	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	19	0.27
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	20	0.27
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	5	0.27
(1,95)	1:207:A:VAL:HG22	1:204:A:LYS:HE3	9	0.27
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	16	0.27
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	18	0.26
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	18	0.26
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	18	0.26
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	14	0.26
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	14	0.26
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	14	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	11	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	11	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	11	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	11	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	11	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	11	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	11	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	11	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	11	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	14	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	14	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	14	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	14	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	14	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	14	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	14	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	14	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	14	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	20	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	20	0.26
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	20	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	20	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	20	0.26
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	20	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	20	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	20	0.26
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	20	0.26
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	4	0.26
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	4	0.26
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	2	0.26
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	2	0.26
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	2	0.26
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	2	0.26
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	2	0.26
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	2	0.26
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	2	0.26
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	2	0.26
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	2	0.26
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	20	0.26
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	20	0.26
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	20	0.26
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	20	0.26
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	20	0.26
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	20	0.26
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	20	0.26
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	20	0.26
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	20	0.26
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD21	16	0.26
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD22	16	0.26
(2,2649)	1:239:A:LEU:HD21	1:239:B:LEU:HD23	16	0.26
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD21	16	0.26
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD22	16	0.26
(2,2649)	1:239:A:LEU:HD22	1:239:B:LEU:HD23	16	0.26
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD21	16	0.26
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD22	16	0.26
(2,2649)	1:239:A:LEU:HD23	1:239:B:LEU:HD23	16	0.26
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	3	0.26
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	3	0.26
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	3	0.26
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	1	0.26
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	1	0.26
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	1	0.26
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	1	0.26
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	1	0.26
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	1	0.26
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	1	0.26
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	1	0.26
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	1	0.26
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	9	0.26
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	9	0.26
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	6	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	6	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	6	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	6	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	6	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	6	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	6	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	6	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	6	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	10	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	10	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	10	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	10	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	10	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	10	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	10	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	10	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	10	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	11	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	11	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	11	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	11	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	11	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	11	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	11	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	11	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	11	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	18	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	18	0.26
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	18	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	18	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	18	0.26
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	18	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	18	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	18	0.26
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	18	0.26
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	2	0.26
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	2	0.26
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	2	0.26
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	2	0.26
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	2	0.26
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	2	0.26
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	2	0.26
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	2	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	3	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	3	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	3	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	3	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	3	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	3	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	3	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	3	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	3	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	4	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	4	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	4	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	4	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	4	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	4	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	4	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	4	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	4	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	6	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	6	0.26
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	6	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	6	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	6	0.26
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	6	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	6	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	6	0.26
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	6	0.26
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	10	0.26
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	10	0.26
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	10	0.26
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	10	0.26
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	10	0.26
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	10	0.26
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	10	0.26
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	10	0.26
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	10	0.26
(2,2564)	1:246:A:LEU:HD23	1:242:B:ILE:HG22	17	0.26
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG11	3	0.26
(2,2497)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	18	0.26
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG23	9	0.26
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG21	16	0.26
(2,2459)	1:221:A:LEU:HD23	1:217:B:TYR:HB2	19	0.26
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	6	0.26
(2,2366)	1:207:A:VAL:HG12	1:203:B:LEU:HG	7	0.26
(2,2349)	1:197:A:MET:HG3	1:196:B:LEU:HD11	10	0.26
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	19	0.26
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD12	4	0.26
(2,2340)	1:193:A:ALA:HB2	1:196:B:LEU:HD13	13	0.26
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	12	0.26
(2,2331)	1:225:A:GLU:H	1:229:A:GLN:HG2	4	0.26
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG13	1	0.26
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	12	0.26
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	13	0.26
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	2	0.26
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	10	0.26
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	2	0.26
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	7	0.26
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB3	4	0.26
(2,1764)	1:238:A:VAL:HG22	1:237:A:PRO:HD2	18	0.26
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	1	0.26
(2,1621)	1:254:A:VAL:HG21	2:5481:C:THR:HB	14	0.26
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	2	0.26
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	8	0.26
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB2	2	0.26
(2,1495)	1:197:A:MET:HG2	1:196:B:LEU:HD22	8	0.26
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	20	0.26
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	6	0.26
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	9	0.26
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	20	0.26
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	3	0.26
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	4	0.26
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	11	0.26
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	18	0.26
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	8	0.26
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	4	0.26
(2,1316)	1:204:A:LYS:HD3	1:205:A:LEU:H	13	0.26
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	10	0.26
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	19	0.26
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	6	0.26
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	11	0.26
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	12	0.26
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	12	0.26
(2,1116)	1:227:A:ILE:HD13	1:230:A:GLU:HG3	7	0.26
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG11	18	0.26
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	6	0.26
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD23	13	0.26
(2,995)	1:234:A:GLU:HG3	1:239:A:LEU:HD21	17	0.26
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	12	0.26
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	17	0.26
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	14	0.26
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	12	0.26
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	5	0.26
(2,854)	1:255:A:ILE:HD13	1:249:A:THR:HA	12	0.26
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	4	0.26
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	10	0.26
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	13	0.26
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	7	0.26
(2,447)	1:255:A:ILE:HG21	2:5478:C:LYS:HA	14	0.26
(2,443)	1:256:A:PRO:HA	1:254:A:VAL:HG12	12	0.26
(2,425)	1:227:A:ILE:HG22	1:242:B:ILE:HD13	20	0.26
(2,389)	1:197:A:MET:HE3	1:196:B:LEU:HD21	20	0.26
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	6	0.26
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	7	0.26
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	10	0.26
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	14	0.26
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	17	0.26
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	18	0.26
(2,345)	1:202:A:VAL:HG11	1:202:A:VAL:HB	19	0.26
(2,345)	1:202:A:VAL:HG11	1:202:A:VAL:HB	20	0.26
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	2	0.26
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	8	0.26
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	19	0.26
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	10	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	1	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	2	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	7	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	8	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	11	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	13	0.26
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	15	0.26
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,203)	1:227:A:ILE:HA	1:230:A:GLU:HB3	13	0.26
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD22	4	0.26
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD12	19	0.26
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	3	0.26
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	16	0.26
(2,91)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	18	0.26
(2,67)	1:242:A:ILE:HD11	1:224:B:ILE:HA	8	0.26
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD13	10	0.26
(2,40)	1:222:A:ARG:HD3	1:222:A:ARG:HA	15	0.26
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	5	0.26
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	5	0.26
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	4	0.26
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	4	0.26
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	7	0.26
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	7	0.26
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	3	0.26
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	3	0.26
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	8	0.26
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	8	0.26
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	3	0.26
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	3	0.26
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	3	0.26
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	3	0.26
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	3	0.26
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	3	0.26
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	4	0.26
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	4	0.26
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	4	0.26
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	1	0.26
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	1	0.26
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	1	0.26
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	1	0.26
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	1	0.26
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	1	0.26
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	1	0.26
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	1	0.26
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	1	0.26
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	18	0.26
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	18	0.26
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	18	0.26
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	18	0.26
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	18	0.26
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	18	0.26
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	18	0.26
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	18	0.26
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	12	0.26
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	12	0.26
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	12	0.26
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	12	0.26
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	12	0.26
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	12	0.26
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	12	0.26
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	12	0.26
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	12	0.26
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	12	0.26
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	5	0.26
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	5	0.26
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	5	0.26
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	17	0.26
(1,980)	2:5476:C:PRO:HD3	2:5475:C:LYS:HD3	16	0.26
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	2	0.26
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	7	0.26
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	18	0.26
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	2	0.26
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	18	0.26
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	13	0.26
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	11	0.26
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	12	0.26
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	15	0.26
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	11	0.26
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	19	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	2	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	2	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	2	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	3	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	3	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	3	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	11	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	11	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	11	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	13	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	13	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	15	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	15	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	15	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	16	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	16	0.26
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	16	0.26
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	6	0.26
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	18	0.26
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	10	0.26
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	14	0.26
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	12	0.26
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	18	0.26
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	1	0.26
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	7	0.26
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	12	0.26
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	17	0.26
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	20	0.26
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	12	0.26
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	16	0.26
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	16	0.26
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	16	0.26
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	16	0.26
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	16	0.26
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	16	0.26
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	16	0.26
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	16	0.26
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	16	0.26
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	17	0.26
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	17	0.26
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	17	0.26
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	17	0.26
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	17	0.26
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	17	0.26
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	17	0.26
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	17	0.26
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	17	0.26
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	5	0.26
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	5	0.26
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	5	0.26
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	6	0.26
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	6	0.26
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	7	0.26
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	7	0.26
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	7	0.26
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	7	0.26
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	7	0.26
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	7	0.26
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	7	0.26
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	7	0.26
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	7	0.26
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	8	0.26
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	8	0.26
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	8	0.26
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	8	0.26
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	8	0.26
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	8	0.26
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	8	0.26
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	8	0.26
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	8	0.26
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	2	0.26
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	2	0.26
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	2	0.26
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	2	0.26
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	2	0.26
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	2	0.26
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	6	0.26
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	6	0.26
(1,753)	1:199:A:GLN:HE21	1:203:A:LEU:HD21	1	0.26
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	20	0.26
(1,586)	1:221:A:LEU:HD12	1:217:B:TYR:HE2	14	0.26
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	12	0.26
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	10	0.26
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	20	0.26
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	7	0.26
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	7	0.26
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	11	0.26
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	10	0.26
(1,490)	1:202:A:VAL:HG23	1:204:B:LYS:HE2	12	0.26
(1,479)	1:205:A:LEU:HD21	1:206:A:THR:H	18	0.26
(1,463)	1:203:A:LEU:HD23	1:204:B:LYS:HB2	5	0.26
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	17	0.26
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	13	0.26
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:221:A:LEU:HD22	1:222:A:ARG:HA	9	0.26
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	17	0.26
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	8	0.26
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	12	0.26
(1,326)	1:238:A:VAL:HG11	1:228:B:CYS:HA	3	0.26
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG22	4	0.26
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG22	17	0.26
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD12	12	0.26
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	5	0.26
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	14	0.26
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	8	0.26
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD11	10	0.26
(1,178)	1:215:A:ASP:HA	1:211:A:GLU:HA	1	0.26
(1,178)	1:215:A:ASP:HA	1:211:A:GLU:HA	15	0.26
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD12	4	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	1	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	2	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	3	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	4	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	5	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	8	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	15	0.26
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	16	0.26
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG22	19	0.26
(1,95)	1:207:A:VAL:HG21	1:204:A:LYS:HE3	4	0.26
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	2	0.26
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	3	0.25
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	3	0.25
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	3	0.25
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	6	0.25
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	6	0.25
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	6	0.25
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	19	0.25
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	19	0.25
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	19	0.25
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	5	0.25
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	5	0.25
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	5	0.25
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	8	0.25
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	8	0.25
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	8	0.25
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	8	0.25
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	8	0.25
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	8	0.25
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	8	0.25
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	8	0.25
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	12	0.25
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	12	0.25
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	12	0.25
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	12	0.25
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	12	0.25
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	12	0.25
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	12	0.25
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	12	0.25
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	12	0.25
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	3	0.25
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	3	0.25
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	3	0.25
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	3	0.25
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	3	0.25
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	3	0.25
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	3	0.25
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	3	0.25
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	3	0.25
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	20	0.25
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	20	0.25
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	20	0.25
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	20	0.25
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	20	0.25
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	20	0.25
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	20	0.25
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	20	0.25
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	20	0.25
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	11	0.25
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	11	0.25
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	11	0.25
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	7	0.25
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	7	0.25
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	7	0.25
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	7	0.25
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	7	0.25
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	7	0.25
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	7	0.25
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	7	0.25
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	13	0.25
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	13	0.25
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	13	0.25
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	13	0.25
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	13	0.25
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	13	0.25
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	13	0.25
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	13	0.25
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	13	0.25
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	1	0.25
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	1	0.25
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	1	0.25
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	1	0.25
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	1	0.25
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	1	0.25
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	1	0.25
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	1	0.25
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	1	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	9	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	9	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	9	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	9	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	9	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	9	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	9	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	9	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	9	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	12	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	12	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	12	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	12	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	12	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	12	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	12	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	12	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	12	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	13	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	13	0.25
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	13	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	13	0.25
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	13	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	13	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	13	0.25
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	13	0.25
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	11	0.25
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	11	0.25
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	11	0.25
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	11	0.25
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	11	0.25
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	11	0.25
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	11	0.25
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	11	0.25
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	11	0.25
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	19	0.25
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	19	0.25
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	19	0.25
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	19	0.25
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	19	0.25
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	19	0.25
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	19	0.25
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	19	0.25
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	19	0.25
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	3	0.25
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	3	0.25
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	3	0.25
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	3	0.25
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	3	0.25
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	3	0.25
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	3	0.25
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	3	0.25
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	3	0.25
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	10	0.25
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	10	0.25
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	10	0.25
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	3	0.25
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	3	0.25
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	3	0.25
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	3	0.25
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	3	0.25
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	3	0.25
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	3	0.25
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	3	0.25
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG13	9	0.25
(2,2497)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	2	0.25
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	14	0.25
(2,2427)	1:245:A:ILE:HD13	1:224:B:ILE:HA	13	0.25
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	13	0.25
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG21	17	0.25
(2,2372)	1:210:A:LEU:HD13	1:211:B:GLU:HA	13	0.25
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	15	0.25
(2,2365)	1:207:A:VAL:HG22	1:203:B:LEU:HG	7	0.25
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	12	0.25
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	11	0.25
(2,2344)	1:196:A:LEU:HD22	1:197:B:MET:HG2	13	0.25
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	5	0.25
(2,2134)	1:240:A:GLN:HE22	1:244:A:ASP:H	11	0.25
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	17	0.25
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	11	0.25
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	10	0.25
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG23	15	0.25
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	7	0.25
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD11	3	0.25
(2,1914)	1:217:A:TYR:H	1:221:A:LEU:HD21	14	0.25
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	3	0.25
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB1	2	0.25
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	11	0.25
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	4	0.25
(2,1764)	1:238:A:VAL:HG23	1:237:A:PRO:HD2	12	0.25
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	3	0.25
(2,1598)	1:227:A:ILE:HG23	1:230:A:GLU:HG2	14	0.25
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	10	0.25
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	12	0.25
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	13	0.25
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	7	0.25
(2,1437)	1:209:A:ASP:H	1:207:A:VAL:HG11	7	0.25
(2,1432)	1:200:A:VAL:HG23	1:199:B:GLN:HE21	11	0.25
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	8	0.25
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	10	0.25
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	11	0.25
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	15	0.25
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	18	0.25
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	20	0.25
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	16	0.25
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB1	18	0.25
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	20	0.25
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	12	0.25
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	16	0.25
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG11	16	0.25
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	14	0.25
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	14	0.25
(2,1223)	1:212:A:LYS:H	1:211:A:GLU:HG3	3	0.25
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	9	0.25
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	13	0.25
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	17	0.25
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	18	0.25
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	11	0.25
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	4	0.25
(2,1135)	1:226:A:LEU:HD13	2:5475:C:LYS:HG2	3	0.25
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	11	0.25
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	17	0.25
(2,1037)	1:239:A:LEU:HB2	1:236:A:ASP:HB2	9	0.25
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	1	0.25
(2,1021)	1:241:A:ARG:H	1:238:A:VAL:HG12	6	0.25
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	1	0.25
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	20	0.25
(2,843)	1:254:A:VAL:HG21	2:5483:C:GLN:HE21	14	0.25
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	7	0.25
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	20	0.25
(2,704)	1:210:A:LEU:HA	1:213:A:GLU:HB3	1	0.25
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	2	0.25
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	9	0.25
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	3	0.25
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	15	0.25
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	18	0.25
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	15	0.25
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG22	7	0.25
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	17	0.25
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD11	15	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	1	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	2	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	3	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	4	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	6	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	7	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	8	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	10	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	11	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	12	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	14	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	16	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	17	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	18	0.25
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	19	0.25
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	11	0.25
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	4	0.25
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	5	0.25
(2,345)	1:202:A:VAL:HG11	1:202:A:VAL:HB	13	0.25
(2,345)	1:202:A:VAL:HG12	1:202:A:VAL:HB	15	0.25
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD22	6	0.25
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	13	0.25
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	4	0.25
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	19	0.25
(2,294)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	12	0.25
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD22	13	0.25
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD23	16	0.25
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD21	18	0.25
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	2	0.25
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	4	0.25
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	7	0.25
(2,167)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	18	0.25
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	13	0.25
(2,145)	1:238:A:VAL:HG23	1:238:A:VAL:HB	17	0.25
(2,108)	1:249:A:THR:HG21	2:5480:C:PRO:HB2	17	0.25
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG22	3	0.25
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG22	6	0.25
(2,78)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	1	0.25
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	12	0.25
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	20	0.25
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	1	0.25
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	1	0.25
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	18	0.25
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	18	0.25
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	1	0.25
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	1	0.25
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	1	0.25
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	1	0.25
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	1	0.25
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	15	0.25
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	15	0.25
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	15	0.25
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	15	0.25
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	15	0.25
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	15	0.25
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	5	0.25
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	5	0.25
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	5	0.25
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	5	0.25
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	5	0.25
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	5	0.25
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	5	0.25
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	5	0.25
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	5	0.25
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	10	0.25
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	10	0.25
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	10	0.25
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	19	0.25
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	19	0.25
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	19	0.25
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	13	0.25
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	3	0.25
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	3	0.25
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	3	0.25
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	3	0.25
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	3	0.25
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	3	0.25
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	3	0.25
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	3	0.25
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	3	0.25
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	6	0.25
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	6	0.25
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	6	0.25
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	13	0.25
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	3	0.25
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	9	0.25
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	19	0.25
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	7	0.25
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	5	0.25
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	5	0.25
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	5	0.25
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	5	0.25
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	18	0.25
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	2	0.25
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	5	0.25
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	4	0.25
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	16	0.25
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	4	0.25
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	17	0.25
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	1	0.25
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	7	0.25
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	14	0.25
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	8	0.25
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	4	0.25
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	4	0.25
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	4	0.25
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	9	0.25
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	9	0.25
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	9	0.25
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	9	0.25
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	9	0.25
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	9	0.25
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	9	0.25
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	9	0.25
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	9	0.25
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	10	0.25
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	10	0.25
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	10	0.25
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	10	0.25
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	10	0.25
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	10	0.25
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	10	0.25
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	10	0.25
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	10	0.25
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	14	0.25
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	14	0.25
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	14	0.25
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	14	0.25
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	14	0.25
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	13	0.25
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	13	0.25
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD21	10	0.25
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD21	20	0.25
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	17	0.25
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	13	0.25
(1,564)	1:193:A:ALA:HB3	1:196:B:LEU:HD21	2	0.25
(1,564)	1:193:A:ALA:HB3	1:196:B:LEU:HD23	8	0.25
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	19	0.25
(1,511)	1:200:A:VAL:HG23	1:199:B:GLN:HG2	16	0.25
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	1	0.25
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	8	0.25
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	5	0.25
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	11	0.25
(1,467)	1:206:A:THR:H	1:203:A:LEU:HD22	12	0.25
(1,463)	1:203:A:LEU:HD21	1:204:B:LYS:HB2	10	0.25
(1,463)	1:203:A:LEU:HD21	1:204:B:LYS:HB2	19	0.25
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	20	0.25
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD22	6	0.25
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	10	0.25
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	2	0.25
(1,373)	1:226:A:LEU:HD13	2:5476:C:PRO:HD2	3	0.25
(1,344)	1:232:A:GLU:HG2	1:233:A:GLY:HA3	18	0.25
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	7	0.25
(1,275)	1:244:A:ASP:HB3	1:245:A:ILE:HB	14	0.25
(1,259)	1:246:A:LEU:HD22	2:5479:C:ILE:HG22	18	0.25
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD12	6	0.25
(1,255)	1:246:A:LEU:HD12	2:5479:C:ILE:HG12	14	0.25
(1,246)	1:255:A:ILE:HG23	1:254:A:VAL:HG13	2	0.25
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	16	0.25
(1,233)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	9	0.25
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	15	0.25
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD12	3	0.25
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	9	0.25
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD13	16	0.25
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	9	0.25
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	10	0.25
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG22	9	0.25
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG21	13	0.25
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	3	0.25
(1,94)	1:207:A:VAL:HG23	1:203:B:LEU:HA	16	0.25
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	15	0.25
(1,15)	1:207:A:VAL:HA	1:210:A:LEU:HB3	17	0.25
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	10	0.24
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	10	0.24
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	10	0.24
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	5	0.24
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	5	0.24
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	5	0.24
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	5	0.24
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	5	0.24
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	5	0.24
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	5	0.24
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	5	0.24
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	5	0.24
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	17	0.24
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	17	0.24
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	17	0.24
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	17	0.24
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	17	0.24
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	17	0.24
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	17	0.24
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	17	0.24
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	17	0.24
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	2	0.24
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	2	0.24
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	2	0.24
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	5	0.24
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	5	0.24
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	5	0.24
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	5	0.24
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	5	0.24
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	5	0.24
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	5	0.24
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	5	0.24
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	5	0.24
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	9	0.24
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	9	0.24
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	9	0.24
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	9	0.24
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	9	0.24
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	9	0.24
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	9	0.24
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	9	0.24
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	10	0.24
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	10	0.24
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	10	0.24
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	10	0.24
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	10	0.24
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	10	0.24
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	10	0.24
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	10	0.24
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	10	0.24
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	13	0.24
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	13	0.24
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	13	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	2	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	2	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	2	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	2	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	2	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	2	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	2	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	2	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	2	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	8	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	8	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	8	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	8	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	8	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	8	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	8	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	8	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	8	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	9	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	9	0.24
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	9	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	9	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	9	0.24
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	9	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	9	0.24
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	9	0.24
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	8	0.24
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	8	0.24
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	8	0.24
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	8	0.24
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	8	0.24
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	8	0.24
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	8	0.24
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	8	0.24
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	8	0.24
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	5	0.24
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	5	0.24
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	5	0.24
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	5	0.24
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	5	0.24
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	5	0.24
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	5	0.24
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	5	0.24
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	5	0.24
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	17	0.24
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	17	0.24
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	17	0.24
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	17	0.24
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	17	0.24
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	17	0.24
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	17	0.24
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	17	0.24
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	17	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	5	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	5	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	5	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	5	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	5	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	5	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	5	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	5	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	5	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	16	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	16	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	16	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	16	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	16	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	16	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	16	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	16	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	17	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	17	0.24
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	17	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	17	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	17	0.24
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	17	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	17	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	17	0.24
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	17	0.24
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	17	0.24
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	17	0.24
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	17	0.24
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	17	0.24
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	17	0.24
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	17	0.24
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	17	0.24
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	17	0.24
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	17	0.24
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	2	0.24
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	2	0.24
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	2	0.24
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD23	13	0.24
(2,2496)	1:197:A:MET:HE3	1:196:B:LEU:HD22	9	0.24
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	18	0.24
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	11	0.24
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	9	0.24
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	6	0.24
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	11	0.24
(2,2062)	1:251:A:GLU:H	1:250:A:ASP:HB3	13	0.24
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	5	0.24
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	3	0.24
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	15	0.24
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	14	0.24
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB1	8	0.24
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	5	0.24
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	1	0.24
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	1	0.24
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1612)	1:249:A:THR:HB	2:5480:C:PRO:HB3	12	0.24
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	1	0.24
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	8	0.24
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	19	0.24
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	7	0.24
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	14	0.24
(2,1472)	1:198:A:GLN:HG2	1:196:A:LEU:H	5	0.24
(2,1467)	1:198:A:GLN:HG2	1:194:A:ALA:HB3	14	0.24
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	1	0.24
(2,1437)	1:209:A:ASP:H	1:207:A:VAL:HG11	10	0.24
(2,1429)	1:211:A:GLU:HG2	1:207:A:VAL:HG23	4	0.24
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	2	0.24
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	11	0.24
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	15	0.24
(2,1337)	1:201:A:LYS:HB2	1:198:A:GLN:HB2	20	0.24
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	12	0.24
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	17	0.24
(2,1223)	1:212:A:LYS:H	1:211:A:GLU:HG3	10	0.24
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	5	0.24
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	11	0.24
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	9	0.24
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	10	0.24
(2,1189)	1:213:A:GLU:HG3	1:212:A:LYS:HB2	1	0.24
(2,1171)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	6	0.24
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	5	0.24
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD22	9	0.24
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	1	0.24
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	17	0.24
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG23	18	0.24
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	7	0.24
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	17	0.24
(2,875)	1:249:A:THR:HG22	1:216:B:PHE:HZ	3	0.24
(2,832)	1:255:A:ILE:HD11	2:5480:C:PRO:HG2	15	0.24
(2,818)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	11	0.24
(2,818)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	13	0.24
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	8	0.24
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	7	0.24
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	17	0.24
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	20	0.24
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	17	0.24
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	19	0.24
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	2	0.24
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	1	0.24
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	3	0.24
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	9	0.24
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	13	0.24
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	15	0.24
(2,408)	1:195:A:GLU:HG2	1:195:A:GLU:HG3	20	0.24
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	3	0.24
(2,345)	1:202:A:VAL:HG13	1:202:A:VAL:HB	16	0.24
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD21	18	0.24
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	7	0.24
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	11	0.24
(2,276)	1:200:A:VAL:HG12	1:196:B:LEU:HB2	2	0.24
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	14	0.24
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	18	0.24
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	2	0.24
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	5	0.24
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	15	0.24
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD22	6	0.24
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD21	7	0.24
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD21	8	0.24
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD21	19	0.24
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD21	20	0.24
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD12	6	0.24
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	4	0.24
(2,145)	1:238:A:VAL:HG23	1:238:A:VAL:HB	11	0.24
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	15	0.24
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG21	9	0.24
(2,102)	1:206:A:THR:HG22	1:210:A:LEU:HD12	6	0.24
(2,102)	1:206:A:THR:HG22	1:210:A:LEU:HD12	19	0.24
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG22	1	0.24
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG21	2	0.24
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	8	0.24
(1,1136)	1:218:A:PHE:HZ	2:5479:C:ILE:HG12	7	0.24
(1,1136)	1:218:A:PHE:HZ	2:5479:C:ILE:HG12	8	0.24
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	8	0.24
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	8	0.24
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	3	0.24
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	3	0.24
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	3	0.24
(1,1074)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	6	0.24
(1,1074)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	6	0.24
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	13	0.24
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	13	0.24
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	13	0.24
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	20	0.24
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	20	0.24
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	20	0.24
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	20	0.24
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	20	0.24
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	20	0.24
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	20	0.24
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	20	0.24
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	20	0.24
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	15	0.24
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	15	0.24
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	15	0.24
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	2	0.24
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	16	0.24
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	18	0.24
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	18	0.24
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	18	0.24
(1,983)	2:5476:C:PRO:HG2	2:5475:C:LYS:HD2	3	0.24
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	11	0.24
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	1	0.24
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	10	0.24
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	5	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	2	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	4	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	6	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	7	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	11	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	14	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	16	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	17	0.24
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	18	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	1	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	2	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	4	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	5	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	6	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	10	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	16	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	18	0.24
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	19	0.24
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	15	0.24
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	7	0.24
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	2	0.24
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	1	0.24
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	8	0.24
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	13	0.24
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	7	0.24
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	7	0.24
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	7	0.24
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	13	0.24
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	7	0.24
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	12	0.24
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	2	0.24
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	9	0.24
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	5	0.24
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	13	0.24
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	4	0.24
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	1	0.24
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	6	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	1	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	1	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	1	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	1	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	1	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	1	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	1	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	1	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	1	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	2	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	2	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	2	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	2	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	2	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	2	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	2	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	2	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	2	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	15	0.24
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	15	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	15	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	15	0.24
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	15	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	15	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	15	0.24
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	15	0.24
(1,809)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	7	0.24
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	12	0.24
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	12	0.24
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	12	0.24
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	16	0.24
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	16	0.24
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	16	0.24
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	16	0.24
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	16	0.24
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	16	0.24
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	16	0.24
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	16	0.24
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	16	0.24
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	17	0.24
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	17	0.24
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	17	0.24
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	17	0.24
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	17	0.24
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	17	0.24
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	17	0.24
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	17	0.24
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	17	0.24
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	15	0.24
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	15	0.24
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	15	0.24
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	15	0.24
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	15	0.24
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	15	0.24
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	8	0.24
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	8	0.24
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	20	0.24
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	20	0.24
(1,731)	1:238:A:VAL:H	1:239:A:LEU:HD21	17	0.24
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	12	0.24
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	12	0.24
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG23	3	0.24
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	4	0.24
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	16	0.24
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	18	0.24
(1,474)	1:196:A:LEU:HD21	1:199:A:GLN:HG2	15	0.24
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	7	0.24
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	2	0.24
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	11	0.24
(1,431)	1:197:A:MET:H	1:200:A:VAL:HG12	16	0.24
(1,426)	1:207:A:VAL:HG11	1:211:A:GLU:HB2	18	0.24
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	8	0.24
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	1	0.24
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	5	0.24
(1,399)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	1	0.24
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG11	18	0.24
(1,341)	1:234:A:GLU:HG3	1:231:A:ASN:HA	20	0.24
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	8	0.24
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	2	0.24
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	19	0.24
(1,305)	1:240:A:GLN:HB2	1:242:A:ILE:HG12	14	0.24
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	10	0.24
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	2	0.24
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	3	0.24
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	4	0.24
(1,246)	1:255:A:ILE:HG21	1:254:A:VAL:HG13	15	0.24
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	4	0.24
(1,241)	1:254:A:VAL:HG11	2:5483:C:GLN:HE22	7	0.24
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG21	9	0.24
(1,233)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	13	0.24
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	3	0.24
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	13	0.24
(1,164)	1:228:A:CYS:HA	1:246:A:LEU:HD12	7	0.24
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	13	0.24
(1,154)	1:237:A:PRO:HA	1:237:A:PRO:HG2	17	0.24
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	19	0.24
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	7	0.24
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	19	0.24
(1,15)	1:207:A:VAL:HA	1:210:A:LEU:HB3	3	0.24
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG23	19	0.24
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	2	0.23
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	2	0.23
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	7	0.23
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	7	0.23
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	7	0.23
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	13	0.23
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	13	0.23
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	13	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	1	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	1	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	1	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	1	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	1	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	1	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	1	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	1	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	1	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	7	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	7	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	7	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	7	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	7	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	7	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	7	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	7	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	7	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	16	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	16	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	16	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	16	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	16	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	16	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	16	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	16	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	16	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	18	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	18	0.23
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	18	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	18	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	18	0.23
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	18	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	18	0.23
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	18	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	6	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	6	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	6	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	20	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	20	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	20	0.23
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD11	17	0.23
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD12	17	0.23
(2,2656)	1:245:A:ILE:HD11	1:227:B:ILE:HD13	17	0.23
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD11	17	0.23
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD12	17	0.23
(2,2656)	1:245:A:ILE:HD12	1:227:B:ILE:HD13	17	0.23
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD11	17	0.23
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD12	17	0.23
(2,2656)	1:245:A:ILE:HD13	1:227:B:ILE:HD13	17	0.23
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	19	0.23
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	19	0.23
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	19	0.23
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	19	0.23
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	19	0.23
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	19	0.23
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	19	0.23
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	19	0.23
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	19	0.23
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	10	0.23
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	10	0.23
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	10	0.23
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	10	0.23
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	10	0.23
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	10	0.23
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	10	0.23
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	10	0.23
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	10	0.23
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	19	0.23
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	19	0.23
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	19	0.23
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	19	0.23
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	19	0.23
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	19	0.23
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	19	0.23
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	19	0.23
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	8	0.23
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	8	0.23
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	8	0.23
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	16	0.23
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	16	0.23
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	16	0.23
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	12	0.23
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	12	0.23
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	12	0.23
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	12	0.23
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	12	0.23
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	12	0.23
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	12	0.23
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	12	0.23
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	12	0.23
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	5	0.23
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	5	0.23
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	5	0.23
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	5	0.23
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	5	0.23
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	5	0.23
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	5	0.23
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	5	0.23
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	5	0.23
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	6	0.23
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	6	0.23
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	6	0.23
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	6	0.23
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	6	0.23
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	6	0.23
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	6	0.23
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	6	0.23
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	6	0.23
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	15	0.23
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	15	0.23
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	15	0.23
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	15	0.23
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	15	0.23
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	15	0.23
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	15	0.23
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	15	0.23
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	12	0.23
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	12	0.23
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	12	0.23
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	12	0.23
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	12	0.23
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	12	0.23
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	12	0.23
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	12	0.23
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	12	0.23
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	14	0.23
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	6	0.23
(2,2463)	1:200:A:VAL:HG12	1:199:B:GLN:HG3	10	0.23
(2,2459)	1:221:A:LEU:HD22	1:217:B:TYR:HB2	3	0.23
(2,2411)	1:239:A:LEU:HD23	1:238:B:VAL:HB	12	0.23
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	2	0.23
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	3	0.23
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	15	0.23
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG21	2	0.23
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG22	16	0.23
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG22	20	0.23
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	18	0.23
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	12	0.23
(2,2238)	1:199:A:GLN:HE21	1:195:A:GLU:HB3	1	0.23
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	12	0.23
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	14	0.23
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	19	0.23
(2,2151)	1:235:A:ASN:HD22	1:240:A:GLN:HG3	7	0.23
(2,2134)	1:240:A:GLN:HE22	1:244:A:ASP:H	9	0.23
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	1	0.23
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	14	0.23
(2,2023)	1:241:A:ARG:H	1:241:A:ARG:HG2	8	0.23
(2,1899)	1:212:A:LYS:H	1:212:A:LYS:HB2	14	0.23
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	14	0.23
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	5	0.23
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	6	0.23
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB3	13	0.23
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	14	0.23
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	7	0.23
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	2	0.23
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	6	0.23
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	4	0.23
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	14	0.23
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB3	18	0.23
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	16	0.23
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	16	0.23
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	16	0.23
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	1	0.23
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	6	0.23
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	19	0.23
(2,1380)	1:202:A:VAL:HG13	1:201:A:LYS:HA	19	0.23
(2,1345)	1:203:A:LEU:HD21	1:199:A:GLN:HG3	4	0.23
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	20	0.23
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	13	0.23
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	11	0.23
(2,1308)	1:204:A:LYS:HE3	1:205:A:LEU:H	20	0.23
(2,1296)	1:204:A:LYS:HG2	1:203:B:LEU:HD13	9	0.23
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	8	0.23
(2,1270)	1:204:A:LYS:HG3	1:203:B:LEU:HD22	17	0.23
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	3	0.23
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	10	0.23
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	12	0.23
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	20	0.23
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	7	0.23
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	16	0.23
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	20	0.23
(2,1196)	1:212:A:LYS:H	1:212:A:LYS:HG3	7	0.23
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD13	10	0.23
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	15	0.23
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	18	0.23
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	13	0.23
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	14	0.23
(2,1073)	1:232:A:GLU:H	1:232:A:GLU:HB2	12	0.23
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG12	7	0.23
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	15	0.23
(2,1010)	1:238:A:VAL:HG23	1:231:B:ASN:HD22	9	0.23
(2,994)	1:239:A:LEU:HD21	1:228:A:CYS:HB2	3	0.23
(2,954)	1:238:A:VAL:HG21	1:231:B:ASN:HB3	12	0.23
(2,947)	1:243:A:VAL:HG11	1:246:A:LEU:HB3	10	0.23
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	8	0.23
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	16	0.23
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	18	0.23
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,875)	1:249:A:THR:HG23	1:216:B:PHE:HZ	12	0.23
(2,871)	1:206:A:THR:HG22	1:207:A:VAL:H	17	0.23
(2,844)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	20	0.23
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	10	0.23
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	4	0.23
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	1	0.23
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	9	0.23
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	11	0.23
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	20	0.23
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	16	0.23
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	18	0.23
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	16	0.23
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	8	0.23
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	17	0.23
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	10	0.23
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	18	0.23
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB1	5	0.23
(2,447)	1:255:A:ILE:HG21	2:5478:C:LYS:HA	7	0.23
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	6	0.23
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	1	0.23
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	2	0.23
(2,352)	1:201:A:LYS:HG2	1:201:A:LYS:HE2	17	0.23
(2,345)	1:202:A:VAL:HG11	1:202:A:VAL:HB	2	0.23
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	13	0.23
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	10	0.23
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	6	0.23
(2,291)	1:204:A:LYS:HE3	1:204:A:LYS:HD3	9	0.23
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	16	0.23
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	17	0.23
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	18	0.23
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	9	0.23
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	4	0.23
(2,259)	1:201:A:LYS:HD2	1:201:A:LYS:HE2	19	0.23
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	9	0.23
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	11	0.23
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	13	0.23
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	16	0.23
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	20	0.23
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD12	5	0.23
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD22	2	0.23
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD22	5	0.23
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD21	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:238:A:VAL:HG12	1:239:B:LEU:HD22	14	0.23
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD21	15	0.23
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	5	0.23
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG22	5	0.23
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG23	6	0.23
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG21	11	0.23
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG21	12	0.23
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG21	16	0.23
(2,101)	1:210:A:LEU:HD21	1:206:A:THR:HG22	17	0.23
(2,91)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	19	0.23
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	18	0.23
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	7	0.23
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	11	0.23
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	14	0.23
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	14	0.23
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	1	0.23
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	1	0.23
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	12	0.23
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	12	0.23
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE1	12	0.23
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE2	12	0.23
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	14	0.23
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	14	0.23
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	14	0.23
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	14	0.23
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE1	11	0.23
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE2	11	0.23
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE1	11	0.23
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE2	11	0.23
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE1	11	0.23
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE2	11	0.23
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	17	0.23
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	17	0.23
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	7	0.23
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	7	0.23
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	7	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	1	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	1	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	1	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	1	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	1	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	1	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	1	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	1	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	4	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	4	0.23
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	4	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	4	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	4	0.23
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	4	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	4	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	4	0.23
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	4	0.23
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	3	0.23
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	7	0.23
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	18	0.23
(1,1039)	1:255:A:ILE:HG12	2:5480:C:PRO:HB3	18	0.23
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	16	0.23
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	16	0.23
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	16	0.23
(1,1028)	1:254:A:VAL:HG21	2:5483:C:GLN:HA	12	0.23
(1,1028)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	12	0.23
(1,1028)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	12	0.23
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	13	0.23
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	13	0.23
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	13	0.23
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	13	0.23
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	13	0.23
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	13	0.23
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	13	0.23
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	13	0.23
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	13	0.23
(1,1021)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	6	0.23
(1,1021)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	6	0.23
(1,1021)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	6	0.23
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	17	0.23
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	17	0.23
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	17	0.23
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	8	0.23
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	12	0.23
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	20	0.23
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	20	0.23
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	12	0.23
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	3	0.23
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	9	0.23
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	13	0.23
(1,924)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	12	0.23
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	4	0.23
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	12	0.23
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG21	8	0.23
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG22	8	0.23
(1,889)	2:5479:C:ILE:HA	2:5479:C:ILE:HG23	8	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	1	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	3	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	4	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	5	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	6	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	7	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	8	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	9	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	10	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	11	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	12	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	14	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	15	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	16	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	17	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	18	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	19	0.23
(1,882)	2:5476:C:PRO:HB3	2:5476:C:PRO:HB2	20	0.23
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	20	0.23
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	1	0.23
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	17	0.23
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	17	0.23
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	9	0.23
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	19	0.23
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	20	0.23
(1,823)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	1	0.23
(1,823)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	3	0.23
(1,823)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	16	0.23
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	4	0.23
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	17	0.23
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	13	0.23
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	13	0.23
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	13	0.23
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	13	0.23
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	13	0.23
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	13	0.23
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	13	0.23
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	13	0.23
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	19	0.23
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	19	0.23
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	19	0.23
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	19	0.23
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	19	0.23
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	19	0.23
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	19	0.23
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	19	0.23
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	19	0.23
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	6	0.23
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	12	0.23
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	16	0.23
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	16	0.23
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	16	0.23
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	11	0.23
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	11	0.23
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	11	0.23
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	11	0.23
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	11	0.23
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	11	0.23
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	11	0.23
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	11	0.23
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	11	0.23
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	11	0.23
(1,739)	1:225:A:GLU:H	1:242:A:ILE:HG13	20	0.23
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG13	15	0.23
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	1	0.23
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD21	15	0.23
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	5	0.23
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	9	0.23
(1,569)	1:205:A:LEU:HD22	1:209:A:ASP:HA	14	0.23
(1,564)	1:193:A:ALA:HB2	1:196:B:LEU:HD23	10	0.23
(1,544)	1:196:A:LEU:HD11	1:197:B:MET:HG3	4	0.23
(1,533)	1:200:A:VAL:HG11	1:198:A:GLN:HB2	11	0.23
(1,522)	1:198:A:GLN:H	1:200:A:VAL:HG22	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	5	0.23
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	6	0.23
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	12	0.23
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	8	0.23
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	18	0.23
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	8	0.23
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	12	0.23
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	17	0.23
(1,479)	1:205:A:LEU:HD21	1:206:A:THR:H	19	0.23
(1,390)	1:221:A:LEU:HD21	1:222:A:ARG:HA	18	0.23
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG21	1	0.23
(1,361)	1:239:A:LEU:HD21	1:228:A:CYS:HB2	3	0.23
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	15	0.23
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	11	0.23
(1,313)	1:239:A:LEU:HD13	1:231:A:ASN:HB3	8	0.23
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	12	0.23
(1,275)	1:244:A:ASP:HB3	1:245:A:ILE:HB	20	0.23
(1,246)	1:255:A:ILE:HG21	2:5478:C:LYS:HG2	18	0.23
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	13	0.23
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	19	0.23
(1,241)	1:254:A:VAL:HG13	2:5483:C:GLN:HE22	10	0.23
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD11	8	0.23
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD13	14	0.23
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	14	0.23
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	14	0.23
(1,94)	1:200:A:VAL:HG23	1:197:A:MET:HA	20	0.23
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	20	0.23
(1,28)	1:248:A:ALA:HB2	1:246:A:LEU:HD21	10	0.23
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	5	0.22
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	5	0.22
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	5	0.22
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	13	0.22
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	13	0.22
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	13	0.22
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	13	0.22
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	13	0.22
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	13	0.22
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	13	0.22
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	13	0.22
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	13	0.22
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	11	0.22
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	11	0.22
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	11	0.22
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	11	0.22
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	11	0.22
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	11	0.22
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	11	0.22
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	11	0.22
(2,2650)	1:227:B:ILE:HD11	1:241:A:ARG:HD2	14	0.22
(2,2650)	1:227:B:ILE:HD12	1:241:A:ARG:HD2	14	0.22
(2,2650)	1:227:B:ILE:HD13	1:241:A:ARG:HD2	14	0.22
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	3	0.22
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	3	0.22
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	3	0.22
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	3	0.22
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	3	0.22
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	3	0.22
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	3	0.22
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	3	0.22
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	3	0.22
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	20	0.22
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	20	0.22
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	20	0.22
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	20	0.22
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	20	0.22
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	20	0.22
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	20	0.22
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	20	0.22
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	20	0.22
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG21	3	0.22
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG22	3	0.22
(2,2621)	1:221:B:LEU:HD21	1:224:A:ILE:HG23	3	0.22
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG21	3	0.22
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG22	3	0.22
(2,2621)	1:221:B:LEU:HD22	1:224:A:ILE:HG23	3	0.22
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG21	3	0.22
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG22	3	0.22
(2,2621)	1:221:B:LEU:HD23	1:224:A:ILE:HG23	3	0.22
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	12	0.22
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	12	0.22
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	12	0.22
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	12	0.22
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	12	0.22
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	12	0.22
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	12	0.22
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	12	0.22
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	19	0.22
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	19	0.22
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	19	0.22
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	19	0.22
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	19	0.22
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	19	0.22
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	19	0.22
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	19	0.22
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	19	0.22
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	11	0.22
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	11	0.22
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	11	0.22
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	11	0.22
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	11	0.22
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	11	0.22
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	11	0.22
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	11	0.22
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	11	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	12	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	12	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	12	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	12	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	12	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	12	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	12	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	12	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	12	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	14	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	14	0.22
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	14	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	14	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	14	0.22
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	14	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	14	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	14	0.22
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	14	0.22
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	5	0.22
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	5	0.22
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	5	0.22
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	5	0.22
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	5	0.22
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	5	0.22
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	5	0.22
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	5	0.22
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	1	0.22
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	1	0.22
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	1	0.22
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	7	0.22
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	7	0.22
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	7	0.22
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	7	0.22
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	7	0.22
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	7	0.22
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	7	0.22
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	7	0.22
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	7	0.22
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	15	0.22
(2,2508)	1:206:A:THR:HG23	1:207:B:VAL:HG13	5	0.22
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG12	13	0.22
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	16	0.22
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG11	19	0.22
(2,2499)	1:207:A:VAL:HG11	1:206:B:THR:HG21	20	0.22
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	1	0.22
(2,2497)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	6	0.22
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	16	0.22
(2,2372)	1:210:A:LEU:HD11	1:211:B:GLU:HA	14	0.22
(2,2366)	1:207:A:VAL:HG11	1:203:B:LEU:HG	11	0.22
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	9	0.22
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	2	0.22
(2,2344)	1:196:A:LEU:HD23	1:197:B:MET:HG2	4	0.22
(2,2344)	1:196:A:LEU:HD21	1:197:B:MET:HG2	5	0.22
(2,2324)	1:254:A:VAL:H	1:254:A:VAL:HG12	18	0.22
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	2	0.22
(2,2134)	1:240:A:GLN:HE22	1:244:A:ASP:H	17	0.22
(2,2060)	1:250:A:ASP:H	1:255:A:ILE:HG13	18	0.22
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	13	0.22
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	15	0.22
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	17	0.22
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD21	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD11	6	0.22
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD11	17	0.22
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB3	10	0.22
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	2	0.22
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	10	0.22
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	15	0.22
(2,1621)	1:254:A:VAL:HG21	2:5481:C:THR:HB	4	0.22
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	14	0.22
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB3	19	0.22
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	20	0.22
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	3	0.22
(2,1471)	1:198:A:GLN:HG2	1:200:A:VAL:H	15	0.22
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	8	0.22
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	17	0.22
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	17	0.22
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	7	0.22
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	6	0.22
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	1	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	3	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	4	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	11	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD11	13	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	15	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	18	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	19	0.22
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	20	0.22
(2,1270)	1:204:A:LYS:HG3	1:203:B:LEU:HD23	5	0.22
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	16	0.22
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	18	0.22
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	5	0.22
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	11	0.22
(2,1150)	1:228:A:CYS:H	1:224:A:ILE:HG23	18	0.22
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	4	0.22
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG12	12	0.22
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG13	19	0.22
(2,947)	1:243:A:VAL:HG13	1:246:A:LEU:HB3	7	0.22
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	4	0.22
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	6	0.22
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	2	0.22
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	4	0.22
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	12	0.22
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG23	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	7	0.22
(2,840)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	6	0.22
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	10	0.22
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	17	0.22
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	8	0.22
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	11	0.22
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	1	0.22
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	15	0.22
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	17	0.22
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	18	0.22
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	10	0.22
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	19	0.22
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	6	0.22
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	8	0.22
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	8	0.22
(2,508)	1:256:A:PRO:HA	2:5481:C:THR:HG21	13	0.22
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	1	0.22
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	3	0.22
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	15	0.22
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	19	0.22
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	17	0.22
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	19	0.22
(2,489)	1:230:A:GLU:HG3	1:231:A:ASN:HD22	18	0.22
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	1	0.22
(2,447)	1:255:A:ILE:HG22	2:5478:C:LYS:HA	10	0.22
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	14	0.22
(2,367)	1:207:A:VAL:HG23	1:206:B:THR:HG21	18	0.22
(2,352)	1:201:A:LYS:HG2	1:201:A:LYS:HE2	14	0.22
(2,343)	1:202:A:VAL:HG13	1:199:A:GLN:HA	20	0.22
(2,320)	1:205:A:LEU:HA	1:205:A:LEU:HD23	9	0.22
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	12	0.22
(2,299)	1:207:A:VAL:HG23	1:204:A:LYS:HE2	20	0.22
(2,291)	1:204:A:LYS:HE3	1:204:A:LYS:HD3	16	0.22
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	3	0.22
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	7	0.22
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	12	0.22
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	6	0.22
(2,203)	1:227:A:ILE:HA	1:230:A:GLU:HB3	7	0.22
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD21	1	0.22
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD22	10	0.22
(2,190)	1:238:A:VAL:HG11	1:239:B:LEU:HD23	12	0.22
(2,190)	1:238:A:VAL:HG13	1:239:B:LEU:HD22	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:238:A:VAL:HG12	1:238:A:VAL:HB	5	0.22
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD12	20	0.22
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	1	0.22
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	2	0.22
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	6	0.22
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	8	0.22
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	14	0.22
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	19	0.22
(2,121)	1:246:A:LEU:HD12	1:224:A:ILE:HG23	6	0.22
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG22	2	0.22
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG23	4	0.22
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG21	19	0.22
(2,101)	1:210:A:LEU:HD21	1:206:A:THR:HG23	13	0.22
(2,67)	1:242:A:ILE:HD11	1:224:B:ILE:HA	5	0.22
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	15	0.22
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	2	0.22
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	2	0.22
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	2	0.22
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	12	0.22
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	12	0.22
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	10	0.22
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	10	0.22
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	12	0.22
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	12	0.22
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	17	0.22
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	17	0.22
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	4	0.22
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	4	0.22
(1,1119)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	3	0.22
(1,1119)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	3	0.22
(1,1119)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	3	0.22
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	2	0.22
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	2	0.22
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	2	0.22
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	7	0.22
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	7	0.22
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	7	0.22
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	18	0.22
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	18	0.22
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	18	0.22
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	2	0.22
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	2	0.22
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	17	0.22
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	17	0.22
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	17	0.22
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	16	0.22
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	16	0.22
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	16	0.22
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	16	0.22
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	16	0.22
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	16	0.22
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	16	0.22
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	16	0.22
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	16	0.22
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	20	0.22
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	20	0.22
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	20	0.22
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	20	0.22
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	20	0.22
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	20	0.22
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	20	0.22
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	20	0.22
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	20	0.22
(1,1065)	1:255:A:ILE:HG21	2:5478:C:LYS:HE3	9	0.22
(1,1065)	1:255:A:ILE:HG22	2:5478:C:LYS:HE3	9	0.22
(1,1065)	1:255:A:ILE:HG23	2:5478:C:LYS:HE3	9	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	15	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	15	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	15	0.22
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	15	0.22
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	15	0.22
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	15	0.22
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	15	0.22
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	15	0.22
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	15	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	18	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	18	0.22
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	18	0.22
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	18	0.22
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	18	0.22
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	18	0.22
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	18	0.22
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	18	0.22
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	4	0.22
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	4	0.22
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	4	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	5	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	9	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	10	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	11	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	14	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	17	0.22
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	19	0.22
(1,1024)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	5	0.22
(1,1024)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	5	0.22
(1,1024)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	5	0.22
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	20	0.22
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	20	0.22
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	20	0.22
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	20	0.22
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	20	0.22
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	20	0.22
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	20	0.22
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	20	0.22
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	20	0.22
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	7	0.22
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	7	0.22
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	7	0.22
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	3	0.22
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	7	0.22
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	11	0.22
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	13	0.22
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	5	0.22
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	13	0.22
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	17	0.22
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	5	0.22
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	3	0.22
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	16	0.22
(1,926)	2:5478:C:LYS:HB2	2:5478:C:LYS:HG2	17	0.22
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	13	0.22
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	10	0.22
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	12	0.22
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	5	0.22
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	1	0.22
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	12	0.22
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	18	0.22
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	13	0.22
(1,862)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	1	0.22
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	1	0.22
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	17	0.22
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	15	0.22
(1,836)	2:5481:C:THR:HB	2:5482:C:PRO:HB2	20	0.22
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	8	0.22
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	10	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	1	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	1	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	1	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	1	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	1	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	1	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	1	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	1	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	1	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	2	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	2	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	2	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	2	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	2	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	2	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	2	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	2	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	2	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	15	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	15	0.22
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	15	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	15	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	15	0.22
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	15	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	15	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	15	0.22
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	15	0.22
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	5	0.22
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	5	0.22
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	5	0.22
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	5	0.22
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	5	0.22
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	2	0.22
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	2	0.22
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	16	0.22
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	16	0.22
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD21	10	0.22
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	7	0.22
(1,583)	1:241:A:ARG:HD3	1:239:A:LEU:HD11	20	0.22
(1,582)	1:236:A:ASP:HB3	1:239:A:LEU:HG	17	0.22
(1,572)	1:212:A:LYS:HA	1:216:A:PHE:HB2	3	0.22
(1,572)	1:212:A:LYS:HA	1:215:A:ASP:HB2	9	0.22
(1,555)	1:197:A:MET:HB3	1:194:A:ALA:HA	15	0.22
(1,551)	1:196:A:LEU:HD12	1:199:B:GLN:H	19	0.22
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	2	0.22
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	6	0.22
(1,495)	1:202:A:VAL:HG12	1:201:A:LYS:HD2	13	0.22
(1,479)	1:205:A:LEU:HD21	1:206:A:THR:H	10	0.22
(1,467)	1:206:A:THR:H	1:203:A:LEU:HD21	9	0.22
(1,429)	1:200:A:VAL:HG12	1:196:B:LEU:HB3	13	0.22
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD21	19	0.22
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	9	0.22
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	12	0.22
(1,412)	1:209:A:ASP:H	1:210:A:LEU:HD12	7	0.22
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG23	12	0.22
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	4	0.22
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	17	0.22
(1,313)	1:239:A:LEU:HD11	1:231:A:ASN:HB3	1	0.22
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG21	13	0.22
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	16	0.22
(1,244)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	6	0.22
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	11	0.22
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	4	0.22
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	10	0.22
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	14	0.22
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	7	0.22
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	9	0.21
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	9	0.21
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	9	0.21
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	9	0.21
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	9	0.21
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	9	0.21
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	9	0.21
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	9	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	11	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	11	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	11	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	15	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	15	0.21
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	15	0.21
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	16	0.21
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	16	0.21
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	16	0.21
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	16	0.21
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	16	0.21
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	16	0.21
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	16	0.21
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	16	0.21
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	16	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	6	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	6	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	6	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	6	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	6	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	6	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	6	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	6	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	6	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	13	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	13	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	13	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	13	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	13	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	13	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	13	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	13	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	13	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	16	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	16	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	16	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	16	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	16	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	16	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	16	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	16	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	18	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	18	0.21
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	18	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	18	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	18	0.21
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	18	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	18	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	18	0.21
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	18	0.21
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	10	0.21
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	10	0.21
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	10	0.21
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	13	0.21
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	13	0.21
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	13	0.21
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	6	0.21
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	6	0.21
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	6	0.21
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	1	0.21
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	1	0.21
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	1	0.21
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	1	0.21
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	1	0.21
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	1	0.21
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	1	0.21
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	1	0.21
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	1	0.21
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	20	0.21
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	20	0.21
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	20	0.21
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	20	0.21
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	20	0.21
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	20	0.21
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	20	0.21
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	20	0.21
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	20	0.21
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	7	0.21
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	7	0.21
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	7	0.21
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	7	0.21
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	7	0.21
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	7	0.21
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	7	0.21
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	7	0.21
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD11	19	0.21
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD12	19	0.21
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD13	19	0.21
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	16	0.21
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	16	0.21
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	16	0.21
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	16	0.21
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	16	0.21
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	16	0.21
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	16	0.21
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	16	0.21
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	16	0.21
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	17	0.21
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	17	0.21
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	17	0.21
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	17	0.21
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	17	0.21
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	17	0.21
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	17	0.21
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	17	0.21
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	17	0.21
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	1	0.21
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	1	0.21
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	1	0.21
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	1	0.21
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	1	0.21
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	1	0.21
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	1	0.21
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	1	0.21
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	1	0.21
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	4	0.21
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	4	0.21
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	4	0.21
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	4	0.21
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	4	0.21
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	4	0.21
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	4	0.21
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	4	0.21
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	19	0.21
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	19	0.21
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	19	0.21
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	19	0.21
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	19	0.21
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	19	0.21
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	19	0.21
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	19	0.21
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	19	0.21
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	1	0.21
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	1	0.21
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	1	0.21
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	1	0.21
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	1	0.21
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	1	0.21
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	1	0.21
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	1	0.21
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	1	0.21
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	6	0.21
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	6	0.21
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	6	0.21
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	6	0.21
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	6	0.21
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	6	0.21
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	6	0.21
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	6	0.21
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	6	0.21
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	18	0.21
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	18	0.21
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	18	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	6	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	6	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	6	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	6	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	6	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	6	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	6	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	6	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	8	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	8	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	8	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	8	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	8	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	8	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	8	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	8	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	8	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	14	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	14	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	14	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	14	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	14	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	14	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	14	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	14	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	14	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	17	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	17	0.21
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	17	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	17	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	17	0.21
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	17	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	17	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	17	0.21
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	17	0.21
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	18	0.21
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG13	6	0.21
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	12	0.21
(2,2499)	1:207:A:VAL:HG11	1:206:B:THR:HG21	15	0.21
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	5	0.21
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	8	0.21
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	2	0.21
(2,2411)	1:239:A:LEU:HD21	1:238:B:VAL:HB	7	0.21
(2,2410)	1:238:A:VAL:HG11	1:231:B:ASN:HD22	14	0.21
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG22	7	0.21
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	2	0.21
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	20	0.21
(2,2342)	1:196:A:LEU:HD22	1:197:B:MET:H	10	0.21
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	10	0.21
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	15	0.21
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	19	0.21
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD11	20	0.21
(2,1859)	1:199:A:GLN:H	1:199:A:GLN:HG2	8	0.21
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD12	16	0.21
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	1	0.21
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	19	0.21
(2,1745)	1:239:A:LEU:HD23	1:235:A:ASN:HB3	15	0.21
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	9	0.21
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	16	0.21
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	4	0.21
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	19	0.21
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB2	3	0.21
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB1	6	0.21
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB3	18	0.21
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	14	0.21
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB1	5	0.21
(2,1472)	1:198:A:GLN:HG2	1:196:A:LEU:H	1	0.21
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	5	0.21
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	9	0.21
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	12	0.21
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	16	0.21
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	17	0.21
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	5	0.21
(2,1362)	1:203:A:LEU:HD13	1:202:A:VAL:H	8	0.21
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	8	0.21
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	15	0.21
(2,1345)	1:203:A:LEU:HD21	1:199:A:GLN:HG3	9	0.21
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	19	0.21
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	2	0.21
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	14	0.21
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	2	0.21
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	6	0.21
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	16	0.21
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD11	5	0.21
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD13	6	0.21
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	16	0.21
(2,1270)	1:204:A:LYS:HG3	1:203:B:LEU:HD22	14	0.21
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	19	0.21
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	9	0.21
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	5	0.21
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:212:A:LYS:HE2	1:212:A:LYS:HB2	3	0.21
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD11	3	0.21
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	19	0.21
(2,1111)	1:227:A:ILE:HD13	1:241:B:ARG:HA	8	0.21
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG11	11	0.21
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG11	20	0.21
(2,1010)	1:238:A:VAL:HG22	1:231:B:ASN:HD22	19	0.21
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	10	0.21
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	11	0.21
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	13	0.21
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	10	0.21
(2,870)	1:249:A:THR:HG23	1:251:A:GLU:H	20	0.21
(2,849)	1:254:A:VAL:HG12	2:5483:C:GLN:H	13	0.21
(2,840)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	7	0.21
(2,833)	1:255:A:ILE:HD11	2:5480:C:PRO:HB2	15	0.21
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	15	0.21
(2,798)	1:251:A:GLU:HG2	1:251:A:GLU:HA	20	0.21
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	18	0.21
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	19	0.21
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	14	0.21
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	15	0.21
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG11	10	0.21
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	2	0.21
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	8	0.21
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	3	0.21
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	7	0.21
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	9	0.21
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	10	0.21
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	13	0.21
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	18	0.21
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG23	1	0.21
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	19	0.21
(2,472)	1:191:A:ASP:HB3	1:192:A:GLU:HB2	8	0.21
(2,447)	1:255:A:ILE:HG22	2:5478:C:LYS:HA	6	0.21
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	8	0.21
(2,447)	1:255:A:ILE:HG21	2:5478:C:LYS:HA	9	0.21
(2,299)	1:207:A:VAL:HG21	1:204:A:LYS:HE2	18	0.21
(2,291)	1:204:A:LYS:HE3	1:204:A:LYS:HD3	12	0.21
(2,291)	1:204:A:LYS:HE3	1:204:A:LYS:HD3	13	0.21
(2,291)	1:204:A:LYS:HE3	1:204:A:LYS:HD3	15	0.21
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	6	0.21
(2,258)	1:201:A:LYS:HE2	1:201:A:LYS:HB2	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:238:A:VAL:HG13	1:238:A:VAL:HB	4	0.21
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	7	0.21
(2,145)	1:238:A:VAL:HG22	1:238:A:VAL:HB	10	0.21
(2,103)	1:206:A:THR:HG23	1:207:B:VAL:HG22	13	0.21
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG22	16	0.21
(2,101)	1:210:A:LEU:HD22	1:206:A:THR:HG23	9	0.21
(2,67)	1:242:A:ILE:HD11	1:224:B:ILE:HA	1	0.21
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	9	0.21
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	12	0.21
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	13	0.21
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	7	0.21
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	7	0.21
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	18	0.21
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	18	0.21
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	20	0.21
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	20	0.21
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	7	0.21
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	7	0.21
(1,1117)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	1	0.21
(1,1117)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	1	0.21
(1,1117)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	1	0.21
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	7	0.21
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	7	0.21
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	17	0.21
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	17	0.21
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	17	0.21
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	17	0.21
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	17	0.21
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	17	0.21
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	17	0.21
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	17	0.21
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	17	0.21
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG21	8	0.21
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG22	8	0.21
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG23	8	0.21
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG21	8	0.21
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG22	8	0.21
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG23	8	0.21
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG21	8	0.21
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG22	8	0.21
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG23	8	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	11	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	11	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	11	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	11	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	11	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	11	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	11	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	11	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	14	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	14	0.21
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	14	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	14	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	14	0.21
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	14	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	14	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	14	0.21
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	14	0.21
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	6	0.21
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	6	0.21
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	6	0.21
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	6	0.21
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	6	0.21
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	6	0.21
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	6	0.21
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	6	0.21
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	6	0.21
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	10	0.21
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	10	0.21
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	10	0.21
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	10	0.21
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	10	0.21
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	10	0.21
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	10	0.21
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	10	0.21
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	10	0.21
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	13	0.21
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	13	0.21
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	13	0.21
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	13	0.21
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	13	0.21
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	13	0.21
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	13	0.21
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	13	0.21
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	6	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	1	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	1	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	1	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	6	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	6	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	6	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	8	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	8	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	8	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	18	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	18	0.21
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	18	0.21
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	14	0.21
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	14	0.21
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	14	0.21
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	14	0.21
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	13	0.21
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	1	0.21
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	8	0.21
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	12	0.21
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	16	0.21
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	8	0.21
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	12	0.21
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	19	0.21
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	5	0.21
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	5	0.21
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	5	0.21
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	6	0.21
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	6	0.21
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	6	0.21
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	15	0.21
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	15	0.21
(1,928)	2:5478:C:LYS:HD3	2:5478:C:LYS:HG2	15	0.21
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	3	0.21
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	3	0.21
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	3	0.21
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	11	0.21
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	15	0.21
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	17	0.21
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	19	0.21
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	20	0.21
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	8	0.21
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	11	0.21
(1,888)	2:5476:C:PRO:HA	2:5476:C:PRO:HG3	13	0.21
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	6	0.21
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	11	0.21
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	12	0.21
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	15	0.21
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	8	0.21
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	5	0.21
(1,831)	2:5476:C:PRO:HD3	2:5475:C:LYS:HG2	2	0.21
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	4	0.21
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	18	0.21
(1,819)	2:5482:C:PRO:HB3	2:5481:C:THR:HA	20	0.21
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	14	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	13	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	13	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	13	0.21
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	13	0.21
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	13	0.21
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	13	0.21
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	13	0.21
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	13	0.21
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	13	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	19	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	19	0.21
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	19	0.21
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	19	0.21
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	19	0.21
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	19	0.21
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	19	0.21
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	19	0.21
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	19	0.21
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	5	0.21
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	5	0.21
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	10	0.21
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	10	0.21
(1,673)	1:211:A:GLU:H	1:207:A:VAL:HG13	10	0.21
(1,630)	1:236:A:ASP:HB3	1:238:A:VAL:HB	4	0.21
(1,592)	1:208:A:GLU:HA	1:212:A:LYS:HD2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	15	0.21
(1,586)	1:221:A:LEU:HD12	1:217:B:TYR:HE2	5	0.21
(1,551)	1:196:A:LEU:HD12	1:199:B:GLN:H	14	0.21
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	11	0.21
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	11	0.21
(1,488)	1:202:A:VAL:HG23	1:201:A:LYS:HA	4	0.21
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	6	0.21
(1,488)	1:202:A:VAL:HG22	1:201:A:LYS:HA	19	0.21
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	14	0.21
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	8	0.21
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	10	0.21
(1,427)	1:200:A:VAL:HG13	1:196:B:LEU:HG	11	0.21
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD21	16	0.21
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	14	0.21
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD22	19	0.21
(1,393)	1:221:A:LEU:HD12	1:220:B:LYS:HA	11	0.21
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	10	0.21
(1,360)	1:228:A:CYS:HB3	1:224:A:ILE:HG23	15	0.21
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	20	0.21
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG22	20	0.21
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	5	0.21
(1,259)	1:246:A:LEU:HD21	1:220:B:LYS:HB2	7	0.21
(1,255)	1:246:A:LEU:HD13	2:5479:C:ILE:HG12	11	0.21
(1,241)	1:254:A:VAL:HG11	2:5483:C:GLN:HE22	9	0.21
(1,241)	1:254:A:VAL:HG13	2:5483:C:GLN:HE22	18	0.21
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	10	0.21
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	20	0.21
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	14	0.21
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD12	10	0.21
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	16	0.21
(1,160)	1:232:A:GLU:HA	1:235:A:ASN:HB3	2	0.21
(1,138)	1:241:A:ARG:HD2	1:227:B:ILE:HG23	16	0.21
(1,118)	1:191:A:ASP:HB2	1:195:A:GLU:HG3	10	0.21
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG21	10	0.21
(2,2670)	1:203:A:LEU:HD21	1:204:B:LYS:HE2	12	0.2
(2,2670)	1:203:A:LEU:HD22	1:204:B:LYS:HE2	12	0.2
(2,2670)	1:203:A:LEU:HD23	1:204:B:LYS:HE2	12	0.2
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD11	15	0.2
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD12	15	0.2
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD13	15	0.2
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	2	0.2
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	2	0.2
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	2	0.2
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	2	0.2
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	2	0.2
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	2	0.2
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	2	0.2
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	2	0.2
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	13	0.2
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	13	0.2
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	13	0.2
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	13	0.2
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	13	0.2
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	13	0.2
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	13	0.2
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	13	0.2
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	13	0.2
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	18	0.2
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	18	0.2
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	18	0.2
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	15	0.2
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	15	0.2
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	15	0.2
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	15	0.2
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	15	0.2
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	15	0.2
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	15	0.2
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	15	0.2
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	15	0.2
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	3	0.2
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	3	0.2
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	3	0.2
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	7	0.2
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	7	0.2
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	7	0.2
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	7	0.2
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	7	0.2
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	7	0.2
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	7	0.2
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	7	0.2
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	7	0.2
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD11	17	0.2
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD12	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2623)	1:227:A:ILE:HD11	1:245:B:ILE:HD13	17	0.2
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD11	17	0.2
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD12	17	0.2
(2,2623)	1:227:A:ILE:HD12	1:245:B:ILE:HD13	17	0.2
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD11	17	0.2
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD12	17	0.2
(2,2623)	1:227:A:ILE:HD13	1:245:B:ILE:HD13	17	0.2
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	5	0.2
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	5	0.2
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	5	0.2
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	5	0.2
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	5	0.2
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	5	0.2
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	5	0.2
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	5	0.2
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	5	0.2
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	19	0.2
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	19	0.2
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	19	0.2
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	19	0.2
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	19	0.2
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	19	0.2
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	19	0.2
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	19	0.2
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	19	0.2
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	17	0.2
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	17	0.2
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	17	0.2
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	17	0.2
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	17	0.2
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	17	0.2
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	17	0.2
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	17	0.2
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	17	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	5	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	5	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	5	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	5	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	5	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	5	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	5	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	5	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	7	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	7	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	7	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	7	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	7	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	7	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	7	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	7	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	7	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	15	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	15	0.2
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	15	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	15	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	15	0.2
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	15	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	15	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	15	0.2
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	15	0.2
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	13	0.2
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	13	0.2
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	13	0.2
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	13	0.2
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	13	0.2
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	13	0.2
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	13	0.2
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	13	0.2
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	13	0.2
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	2	0.2
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	2	0.2
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	2	0.2
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	2	0.2
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	2	0.2
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	2	0.2
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	2	0.2
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	2	0.2
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	2	0.2
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	14	0.2
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	14	0.2
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	14	0.2
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	14	0.2
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	14	0.2
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	14	0.2
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	14	0.2
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	14	0.2
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	3	0.2
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	3	0.2
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	3	0.2
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	1	0.2
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	1	0.2
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	1	0.2
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	1	0.2
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	1	0.2
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	1	0.2
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	1	0.2
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	1	0.2
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	1	0.2
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	5	0.2
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	5	0.2
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	5	0.2
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	5	0.2
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	5	0.2
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	5	0.2
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	5	0.2
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	5	0.2
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	5	0.2
(2,2539)	1:238:A:VAL:HG13	1:227:B:ILE:HG23	6	0.2
(2,2523)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	5	0.2
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	14	0.2
(2,2499)	1:207:A:VAL:HG11	1:206:B:THR:HG23	8	0.2
(2,2495)	1:197:A:MET:HE2	1:196:B:LEU:HD13	16	0.2
(2,2463)	1:200:A:VAL:HG12	1:199:B:GLN:HG3	19	0.2
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	10	0.2
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	3	0.2
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG23	15	0.2
(2,2405)	1:227:A:ILE:HD11	1:245:B:ILE:HG12	8	0.2
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG13	5	0.2
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	20	0.2
(2,2342)	1:196:A:LEU:HD21	1:197:B:MET:H	14	0.2
(2,2342)	1:196:A:LEU:HD22	1:197:B:MET:H	18	0.2
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	9	0.2
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	19	0.2
(2,2134)	1:240:A:GLN:HE22	1:244:A:ASP:H	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	5	0.2
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	10	0.2
(2,1973)	1:231:A:ASN:HD22	1:227:A:ILE:HG23	16	0.2
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	20	0.2
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB2	9	0.2
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	17	0.2
(2,1745)	1:239:A:LEU:HD22	1:235:A:ASN:HB3	12	0.2
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	5	0.2
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	10	0.2
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	15	0.2
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	5	0.2
(2,1620)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	4	0.2
(2,1605)	1:236:A:ASP:HB2	1:239:A:LEU:HG	5	0.2
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	2	0.2
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB2	4	0.2
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB2	17	0.2
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	4	0.2
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB2	1	0.2
(2,1486)	1:200:A:VAL:HG11	1:197:A:MET:HG3	12	0.2
(2,1472)	1:198:A:GLN:HG2	1:196:A:LEU:H	10	0.2
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	4	0.2
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	6	0.2
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	18	0.2
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	14	0.2
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	14	0.2
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	3	0.2
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	4	0.2
(2,1368)	1:202:A:VAL:HG21	1:199:A:GLN:HG3	5	0.2
(2,1359)	1:196:A:LEU:HD21	1:197:B:MET:H	5	0.2
(2,1359)	1:196:A:LEU:HD21	1:197:B:MET:H	16	0.2
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	16	0.2
(2,1345)	1:203:A:LEU:HD21	1:199:A:GLN:HG3	2	0.2
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	10	0.2
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	3	0.2
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	4	0.2
(2,1277)	1:205:A:LEU:HD12	1:205:A:LEU:HB2	5	0.2
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	8	0.2
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	15	0.2
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	1	0.2
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	2	0.2
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	15	0.2
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1135)	1:226:A:LEU:HD11	2:5475:C:LYS:HG2	13	0.2
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG11	2	0.2
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG13	8	0.2
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD21	12	0.2
(2,975)	1:239:A:LEU:HG	1:240:A:GLN:HE21	18	0.2
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	20	0.2
(2,870)	1:249:A:THR:HG21	1:251:A:GLU:H	14	0.2
(2,840)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	2	0.2
(2,840)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	13	0.2
(2,816)	1:255:A:ILE:HG21	2:5480:C:PRO:HG2	14	0.2
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	2	0.2
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	10	0.2
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	12	0.2
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	18	0.2
(2,736)	1:200:A:VAL:HA	1:202:A:VAL:HG12	7	0.2
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	4	0.2
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	6	0.2
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	2	0.2
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	9	0.2
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	2	0.2
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	6	0.2
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	8	0.2
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	14	0.2
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	1	0.2
(2,488)	1:230:A:GLU:HG3	1:231:A:ASN:H	3	0.2
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	5	0.2
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	5	0.2
(2,431)	1:193:A:ALA:HB2	1:196:B:LEU:HD21	7	0.2
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG23	7	0.2
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG22	8	0.2
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG23	15	0.2
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	19	0.2
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD12	12	0.2
(2,325)	1:205:A:LEU:HD21	1:209:A:ASP:HB3	16	0.2
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	3	0.2
(2,276)	1:200:A:VAL:HG13	1:196:B:LEU:HB2	5	0.2
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	15	0.2
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD12	17	0.2
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	12	0.2
(2,145)	1:238:A:VAL:HG23	1:238:A:VAL:HB	18	0.2
(2,145)	1:238:A:VAL:HG21	1:238:A:VAL:HB	20	0.2
(2,101)	1:210:A:LEU:HD23	1:206:A:THR:HG21	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	2	0.2
(2,55)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	19	0.2
(2,18)	1:241:A:ARG:HD2	1:241:A:ARG:HB3	14	0.2
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	5	0.2
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	5	0.2
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	15	0.2
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	15	0.2
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	1	0.2
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	1	0.2
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	15	0.2
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	15	0.2
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	2	0.2
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	2	0.2
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE1	5	0.2
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE2	5	0.2
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE1	5	0.2
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE2	5	0.2
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE1	5	0.2
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE2	5	0.2
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	9	0.2
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	9	0.2
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	9	0.2
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	9	0.2
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	9	0.2
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	9	0.2
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	9	0.2
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	9	0.2
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	9	0.2
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	10	0.2
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	10	0.2
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	10	0.2
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	10	0.2
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	10	0.2
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	10	0.2
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	10	0.2
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	10	0.2
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	10	0.2
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	6	0.2
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	6	0.2
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	6	0.2
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	2	0.2
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	2	0.2
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	2	0.2
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	2	0.2
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	2	0.2
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	2	0.2
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	2	0.2
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	2	0.2
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	5	0.2
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	5	0.2
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	5	0.2
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	5	0.2
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	5	0.2
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	5	0.2
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	5	0.2
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	5	0.2
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	5	0.2
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	15	0.2
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	15	0.2
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	15	0.2
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	15	0.2
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	15	0.2
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	15	0.2
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	15	0.2
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	15	0.2
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	15	0.2
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	2	0.2
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	2	0.2
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	2	0.2
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	2	0.2
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	2	0.2
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	2	0.2
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	2	0.2
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	2	0.2
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	2	0.2
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	3	0.2
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	3	0.2
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	3	0.2
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	3	0.2
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	3	0.2
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	3	0.2
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	3	0.2
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	3	0.2
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	7	0.2
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	7	0.2
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	7	0.2
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	1	0.2
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	4	0.2
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	16	0.2
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	16	0.2
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	16	0.2
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	16	0.2
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	16	0.2
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	16	0.2
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	16	0.2
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	16	0.2
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	16	0.2
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	7	0.2
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	7	0.2
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	7	0.2
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	13	0.2
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	13	0.2
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	13	0.2
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD11	6	0.2
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD12	6	0.2
(1,1007)	1:222:A:ARG:HD3	2:5479:C:ILE:HD13	6	0.2
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	8	0.2
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	2	0.2
(1,973)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	18	0.2
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	7	0.2
(1,967)	2:5475:C:LYS:HA	2:5476:C:PRO:HG3	13	0.2
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	3	0.2
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	17	0.2
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	20	0.2
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	4	0.2
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	4	0.2
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	4	0.2
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	11	0.2
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	12	0.2
(1,925)	2:5478:C:LYS:HA	2:5478:C:LYS:HE3	8	0.2
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	16	0.2
(1,901)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE3	5	0.2
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	13	0.2
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	6	0.2
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	7	0.2
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	9	0.2
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	14	0.2
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	15	0.2
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	8	0.2
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	3	0.2
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	15	0.2
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	17	0.2
(1,847)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	2	0.2
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	5	0.2
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	16	0.2
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	3	0.2
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	7	0.2
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	8	0.2
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	16	0.2
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	19	0.2
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	7	0.2
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	2	0.2
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	13	0.2
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	15	0.2
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	17	0.2
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	14	0.2
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	14	0.2
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	14	0.2
(1,793)	1:217:A:TYR:HE1	1:214:B:ARG:HD3	19	0.2
(1,793)	1:217:A:TYR:HE2	1:214:B:ARG:HD3	19	0.2
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	7	0.2
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	7	0.2
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	15	0.2
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	15	0.2
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	17	0.2
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	17	0.2
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	19	0.2
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	19	0.2
(1,772)	1:219:A:GLY:H	1:224:A:ILE:HD12	13	0.2
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	12	0.2
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	19	0.2
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	13	0.2
(1,627)	1:231:A:ASN:HB3	1:234:A:GLU:HB3	8	0.2
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	3	0.2
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	16	0.2
(1,587)	1:196:A:LEU:HA	1:193:A:ALA:HA	20	0.2
(1,572)	1:212:A:LYS:HA	1:215:A:ASP:HB2	1	0.2
(1,551)	1:196:A:LEU:HD13	1:199:B:GLN:H	17	0.2
(1,549)	1:196:A:LEU:HD12	1:194:B:ALA:H	14	0.2
(1,544)	1:196:A:LEU:HD13	1:197:B:MET:HG3	20	0.2
(1,533)	1:200:A:VAL:HG12	1:198:A:GLN:HB2	20	0.2
(1,508)	1:201:A:LYS:HA	1:200:A:VAL:HG13	15	0.2
(1,503)	1:201:A:LYS:HD2	1:197:A:MET:HB2	15	0.2
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	13	0.2
(1,496)	1:202:A:VAL:HG11	1:201:A:LYS:HG3	6	0.2
(1,492)	1:202:A:VAL:HG22	1:201:A:LYS:HB3	19	0.2
(1,490)	1:202:A:VAL:HG23	1:204:B:LYS:HE2	7	0.2
(1,490)	1:202:A:VAL:HG22	1:204:B:LYS:HE2	9	0.2
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD22	12	0.2
(1,467)	1:206:A:THR:H	1:203:A:LEU:HD23	13	0.2
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	8	0.2
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD21	4	0.2
(1,383)	1:224:A:ILE:HD13	1:242:B:ILE:HA	13	0.2
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	6	0.2
(1,364)	1:227:A:ILE:HG22	1:230:A:GLU:HG3	11	0.2
(1,285)	1:238:A:VAL:HG22	1:241:A:ARG:HG3	12	0.2
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD13	6	0.2
(1,244)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	9	0.2
(1,241)	1:254:A:VAL:HG11	2:5483:C:GLN:HE22	2	0.2
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	11	0.2
(1,197)	1:209:A:ASP:HA	1:212:A:LYS:HB3	9	0.2
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD13	15	0.2
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	12	0.2
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD13	13	0.2
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	9	0.2
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD22	5	0.2
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	1	0.2
(1,15)	1:207:A:VAL:HA	1:206:A:THR:HG23	7	0.2
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	2	0.19
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	2	0.19
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	2	0.19
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	10	0.19
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	10	0.19
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	10	0.19
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	10	0.19
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	10	0.19
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	10	0.19
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	10	0.19
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	10	0.19
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	19	0.19
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	19	0.19
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	19	0.19
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	19	0.19
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	19	0.19
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	19	0.19
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	19	0.19
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	19	0.19
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	19	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	7	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	7	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	7	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	7	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	7	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	7	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	7	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	7	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	7	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	12	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	12	0.19
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	12	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	12	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	12	0.19
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	12	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	12	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	12	0.19
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	12	0.19
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	19	0.19
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	19	0.19
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	19	0.19
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	12	0.19
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	12	0.19
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	12	0.19
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	12	0.19
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	12	0.19
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	12	0.19
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	12	0.19
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	12	0.19
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	18	0.19
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	18	0.19
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	18	0.19
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	18	0.19
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	18	0.19
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	18	0.19
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	18	0.19
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	18	0.19
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	18	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	4	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	4	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	4	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	4	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	4	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	4	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	4	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	4	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	4	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	14	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	14	0.19
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	14	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	14	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	14	0.19
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	14	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	14	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	14	0.19
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	14	0.19
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	18	0.19
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	18	0.19
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	18	0.19
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	18	0.19
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	18	0.19
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	18	0.19
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	18	0.19
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	18	0.19
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	18	0.19
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	1	0.19
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	1	0.19
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	1	0.19
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	1	0.19
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	1	0.19
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	1	0.19
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	1	0.19
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	1	0.19
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	8	0.19
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	8	0.19
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	8	0.19
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	8	0.19
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	8	0.19
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	8	0.19
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	8	0.19
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	8	0.19
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	8	0.19
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	14	0.19
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	14	0.19
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	14	0.19
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	14	0.19
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	14	0.19
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	14	0.19
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	14	0.19
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	14	0.19
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	14	0.19
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	2	0.19
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	2	0.19
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	2	0.19
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	2	0.19
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	2	0.19
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	2	0.19
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	2	0.19
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	2	0.19
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	2	0.19
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	5	0.19
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	5	0.19
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	5	0.19
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	5	0.19
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	5	0.19
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	5	0.19
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	5	0.19
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	5	0.19
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	5	0.19
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	18	0.19
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	18	0.19
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	18	0.19
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	18	0.19
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	18	0.19
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	18	0.19
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	18	0.19
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	18	0.19
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	8	0.19
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	8	0.19
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	8	0.19
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	19	0.19
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	19	0.19
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	19	0.19
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	19	0.19
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	19	0.19
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	19	0.19
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	19	0.19
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	19	0.19
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	19	0.19
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	2	0.19
(2,2523)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	6	0.19
(2,2519)	1:221:A:LEU:HD12	1:221:B:LEU:HG	3	0.19
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG11	2	0.19
(2,2508)	1:206:A:THR:HG22	1:207:B:VAL:HG12	11	0.19
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG22	18	0.19
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	17	0.19
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD11	19	0.19
(2,2459)	1:221:A:LEU:HD22	1:217:B:TYR:HB2	8	0.19
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	1	0.19
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	5	0.19
(2,2437)	1:245:A:ILE:HG21	1:220:B:LYS:HG2	6	0.19
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	6	0.19
(2,2410)	1:238:A:VAL:HG12	1:231:B:ASN:HD22	20	0.19
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	17	0.19
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD11	5	0.19
(2,2365)	1:207:A:VAL:HG22	1:203:B:LEU:HG	11	0.19
(2,2342)	1:196:A:LEU:HD23	1:197:B:MET:H	1	0.19
(2,2342)	1:196:A:LEU:HD23	1:197:B:MET:H	2	0.19
(2,2342)	1:196:A:LEU:HD21	1:197:B:MET:H	6	0.19
(2,2342)	1:196:A:LEU:HD22	1:197:B:MET:H	17	0.19
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD11	11	0.19
(2,1898)	1:212:A:LYS:H	1:211:A:GLU:HB3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	7	0.19
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	8	0.19
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	10	0.19
(2,1830)	1:197:A:MET:H	1:196:A:LEU:HD13	1	0.19
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB1	5	0.19
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	16	0.19
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	14	0.19
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	3	0.19
(2,1622)	1:254:A:VAL:HG23	1:255:A:ILE:HA	19	0.19
(2,1621)	1:254:A:VAL:HG23	2:5481:C:THR:HB	5	0.19
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB3	5	0.19
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB2	6	0.19
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB1	7	0.19
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	14	0.19
(2,1470)	1:198:A:GLN:HG2	1:197:A:MET:H	19	0.19
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	5	0.19
(2,1409)	1:202:A:VAL:H	1:201:A:LYS:HG2	13	0.19
(2,1398)	1:204:A:LYS:H	1:202:A:VAL:HB	17	0.19
(2,1358)	1:196:A:LEU:HD22	1:193:B:ALA:HB3	5	0.19
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	5	0.19
(2,1345)	1:203:A:LEU:HD21	1:199:A:GLN:HG3	17	0.19
(2,1277)	1:205:A:LEU:HD12	1:205:A:LEU:HB2	7	0.19
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	9	0.19
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	11	0.19
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	12	0.19
(2,1277)	1:205:A:LEU:HD12	1:205:A:LEU:HB2	13	0.19
(2,1277)	1:205:A:LEU:HD11	1:205:A:LEU:HB2	18	0.19
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	20	0.19
(2,1274)	1:205:A:LEU:HA	1:205:A:LEU:HD12	9	0.19
(2,1242)	1:210:A:LEU:HD11	1:211:B:GLU:HG3	7	0.19
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	17	0.19
(2,1208)	1:201:A:LYS:HE2	1:201:A:LYS:H	3	0.19
(2,1206)	1:201:A:LYS:HE2	1:201:A:LYS:HA	1	0.19
(2,1181)	1:214:A:ARG:HG3	1:217:B:TYR:HD1	19	0.19
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	1	0.19
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	7	0.19
(2,1125)	1:226:A:LEU:HD22	1:229:A:GLN:HG2	16	0.19
(2,1124)	1:226:A:LEU:HG	2:5475:C:LYS:HG2	17	0.19
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD12	15	0.19
(2,1056)	1:232:A:GLU:HG3	1:233:A:GLY:HA3	13	0.19
(2,1044)	1:235:A:ASN:HD22	1:235:A:ASN:HB3	2	0.19
(2,1044)	1:235:A:ASN:HD22	1:235:A:ASN:HB3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1023)	1:237:A:PRO:HA	1:238:A:VAL:HG11	16	0.19
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG12	1	0.19
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG12	6	0.19
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD23	10	0.19
(2,947)	1:243:A:VAL:HG13	1:246:A:LEU:HB3	18	0.19
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	9	0.19
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	20	0.19
(2,896)	1:246:A:LEU:HD13	1:242:A:ILE:HG12	20	0.19
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	16	0.19
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	16	0.19
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG11	13	0.19
(2,840)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	16	0.19
(2,816)	1:255:A:ILE:HG22	2:5480:C:PRO:HG2	6	0.19
(2,795)	1:256:A:PRO:HG2	2:5481:C:THR:H	11	0.19
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	5	0.19
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	7	0.19
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	5	0.19
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	9	0.19
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	13	0.19
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	19	0.19
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	20	0.19
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	3	0.19
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	5	0.19
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	20	0.19
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	5	0.19
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	1	0.19
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	3	0.19
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	5	0.19
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	6	0.19
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	1	0.19
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	2	0.19
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	9	0.19
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	12	0.19
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG21	10	0.19
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	20	0.19
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	19	0.19
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	1	0.19
(2,295)	1:204:A:LYS:HE2	1:200:A:VAL:HB	2	0.19
(2,293)	1:204:A:LYS:HE3	1:203:B:LEU:HD21	15	0.19
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD12	13	0.19
(2,188)	1:238:A:VAL:HG11	1:238:A:VAL:HB	16	0.19
(2,167)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,167)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	13	0.19
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	4	0.19
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	14	0.19
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	16	0.19
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD12	13	0.19
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	9	0.19
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	13	0.19
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG22	12	0.19
(2,67)	1:242:A:ILE:HD13	1:224:B:ILE:HA	16	0.19
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	7	0.19
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	8	0.19
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	10	0.19
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	18	0.19
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	20	0.19
(2,55)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	6	0.19
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	8	0.19
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	8	0.19
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	8	0.19
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	8	0.19
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	8	0.19
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	8	0.19
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	18	0.19
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	18	0.19
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	18	0.19
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	18	0.19
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	18	0.19
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	18	0.19
(1,1167)	1:217:B:TYR:HE1	2:5480:C:PRO:HB2	18	0.19
(1,1167)	1:217:B:TYR:HE2	2:5480:C:PRO:HB2	18	0.19
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE1	8	0.19
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE2	8	0.19
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	2	0.19
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	2	0.19
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	7	0.19
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	7	0.19
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	7	0.19
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	7	0.19
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	7	0.19
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	7	0.19
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	17	0.19
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	17	0.19
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	10	0.19
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	10	0.19
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	10	0.19
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	14	0.19
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	14	0.19
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	14	0.19
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	1	0.19
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	1	0.19
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	1	0.19
(1,1077)	1:254:A:VAL:HG11	2:5483:C:GLN:HE21	5	0.19
(1,1077)	1:254:A:VAL:HG12	2:5483:C:GLN:HE21	5	0.19
(1,1077)	1:254:A:VAL:HG13	2:5483:C:GLN:HE21	5	0.19
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	19	0.19
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	19	0.19
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	19	0.19
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	19	0.19
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	19	0.19
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	19	0.19
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	19	0.19
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	19	0.19
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	19	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	6	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	6	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	6	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	6	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	6	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	6	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	6	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	6	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	6	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	9	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	9	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	9	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	9	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	9	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	9	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	9	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	9	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	9	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD11	16	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD12	16	0.19
(1,1063)	2:5481:C:THR:HG21	1:255:A:ILE:HD13	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD11	16	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD12	16	0.19
(1,1063)	2:5481:C:THR:HG22	1:255:A:ILE:HD13	16	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD11	16	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD12	16	0.19
(1,1063)	2:5481:C:THR:HG23	1:255:A:ILE:HD13	16	0.19
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	17	0.19
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	17	0.19
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	17	0.19
(1,1024)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	3	0.19
(1,1024)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	3	0.19
(1,1024)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	3	0.19
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	12	0.19
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	12	0.19
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	12	0.19
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	17	0.19
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	17	0.19
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	17	0.19
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	16	0.19
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	16	0.19
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	16	0.19
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	12	0.19
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	2	0.19
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	12	0.19
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	12	0.19
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	12	0.19
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	8	0.19
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	6	0.19
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	7	0.19
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	14	0.19
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	16	0.19
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	18	0.19
(1,925)	2:5478:C:LYS:HA	2:5478:C:LYS:HE3	20	0.19
(1,923)	2:5478:C:LYS:HE2	2:5478:C:LYS:HA	15	0.19
(1,917)	2:5481:C:THR:HG21	2:5482:C:PRO:HA	1	0.19
(1,917)	2:5481:C:THR:HG22	2:5482:C:PRO:HA	1	0.19
(1,917)	2:5481:C:THR:HG23	2:5482:C:PRO:HA	1	0.19
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	18	0.19
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	18	0.19
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	10	0.19
(1,892)	2:5476:C:PRO:HD3	2:5476:C:PRO:HG3	16	0.19
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	2:5481:C:THR:HG21	2:5482:C:PRO:HD2	11	0.19
(1,868)	2:5481:C:THR:HG22	2:5482:C:PRO:HD2	11	0.19
(1,868)	2:5481:C:THR:HG23	2:5482:C:PRO:HD2	11	0.19
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	18	0.19
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	6	0.19
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	10	0.19
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	12	0.19
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	12	0.19
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	9	0.19
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	18	0.19
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	6	0.19
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	12	0.19
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	13	0.19
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	13	0.19
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	18	0.19
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	9	0.19
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	11	0.19
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	19	0.19
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	7	0.19
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	10	0.19
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	1	0.19
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	1	0.19
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	1	0.19
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	4	0.19
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	4	0.19
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	4	0.19
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	4	0.19
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	4	0.19
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	4	0.19
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE1	12	0.19
(1,789)	1:221:B:LEU:HD11	1:217:A:TYR:HE2	12	0.19
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE1	12	0.19
(1,789)	1:221:B:LEU:HD12	1:217:A:TYR:HE2	12	0.19
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE1	12	0.19
(1,789)	1:221:B:LEU:HD13	1:217:A:TYR:HE2	12	0.19
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	12	0.19
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	12	0.19
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG11	20	0.19
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD21	11	0.19
(1,673)	1:211:A:GLU:H	1:207:A:VAL:HG13	7	0.19
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG21	12	0.19
(1,549)	1:196:A:LEU:HD12	1:194:B:ALA:H	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:196:A:LEU:HD11	1:194:B:ALA:H	2	0.19
(1,549)	1:196:A:LEU:HD12	1:194:B:ALA:H	8	0.19
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	1	0.19
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	12	0.19
(1,479)	1:205:A:LEU:HD23	1:206:A:THR:H	7	0.19
(1,479)	1:205:A:LEU:HD22	1:206:A:THR:H	14	0.19
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	8	0.19
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	11	0.19
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	1	0.19
(1,399)	1:212:A:LYS:HG3	1:212:A:LYS:HE2	6	0.19
(1,390)	1:221:A:LEU:HD23	1:222:A:ARG:HA	1	0.19
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG11	7	0.19
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG11	10	0.19
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	2	0.19
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	19	0.19
(1,313)	1:239:A:LEU:HD12	1:231:A:ASN:HB3	6	0.19
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD13	15	0.19
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD13	18	0.19
(1,278)	1:244:A:ASP:HB3	1:247:A:TYR:H	20	0.19
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	15	0.19
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	17	0.19
(1,259)	1:246:A:LEU:HD22	2:5479:C:ILE:HG22	1	0.19
(1,259)	1:246:A:LEU:HD21	1:220:B:LYS:HG2	8	0.19
(1,244)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	20	0.19
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	16	0.19
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	4	0.19
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	18	0.19
(1,192)	1:209:A:ASP:H	1:210:A:LEU:HD21	4	0.19
(1,175)	1:220:A:LYS:HA	1:221:B:LEU:HD12	14	0.19
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	6	0.19
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	4	0.19
(1,118)	1:191:A:ASP:HB2	1:192:A:GLU:HG2	11	0.19
(1,94)	1:200:A:VAL:HG23	1:197:A:MET:HA	8	0.19
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	2	0.19
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	16	0.18
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	16	0.18
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	16	0.18
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	3	0.18
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	3	0.18
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	3	0.18
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	13	0.18
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	13	0.18
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	1	0.18
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	1	0.18
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	1	0.18
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	1	0.18
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	1	0.18
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	1	0.18
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	1	0.18
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	1	0.18
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	1	0.18
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	11	0.18
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	11	0.18
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	11	0.18
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	11	0.18
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	11	0.18
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	11	0.18
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	11	0.18
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	11	0.18
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	11	0.18
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	10	0.18
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	10	0.18
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	10	0.18
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	2	0.18
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	2	0.18
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	2	0.18
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	2	0.18
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	2	0.18
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	2	0.18
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	2	0.18
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	2	0.18
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	2	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	16	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	16	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	16	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	16	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	16	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	16	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	16	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	16	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	16	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	17	0.18
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	17	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	17	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	17	0.18
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	17	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	17	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	17	0.18
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	17	0.18
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	18	0.18
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	18	0.18
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	18	0.18
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	18	0.18
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	18	0.18
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	18	0.18
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	18	0.18
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	18	0.18
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	18	0.18
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	20	0.18
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	20	0.18
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	20	0.18
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	20	0.18
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	20	0.18
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	20	0.18
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	20	0.18
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	20	0.18
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	20	0.18
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	8	0.18
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	8	0.18
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	8	0.18
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	8	0.18
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	8	0.18
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	8	0.18
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	8	0.18
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	8	0.18
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	8	0.18
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	20	0.18
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	20	0.18
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	20	0.18
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	20	0.18
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	20	0.18
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	20	0.18
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	20	0.18
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	20	0.18
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	6	0.18
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	6	0.18
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	6	0.18
(2,2523)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	17	0.18
(2,2523)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	19	0.18
(2,2508)	1:206:A:THR:HG21	1:207:B:VAL:HG13	4	0.18
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG23	1	0.18
(2,2496)	1:197:A:MET:HE2	1:196:B:LEU:HD23	8	0.18
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD13	11	0.18
(2,2495)	1:197:A:MET:HE2	1:196:B:LEU:HD11	13	0.18
(2,2437)	1:245:A:ILE:HG21	1:220:B:LYS:HG2	15	0.18
(2,2411)	1:239:A:LEU:HD22	1:238:B:VAL:HB	10	0.18
(2,2406)	1:227:A:ILE:HD13	1:242:B:ILE:HG21	12	0.18
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG22	18	0.18
(2,2373)	1:210:A:LEU:HD23	1:207:B:VAL:HA	10	0.18
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	7	0.18
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD11	4	0.18
(2,2347)	1:197:A:MET:HG2	1:196:B:LEU:HD11	16	0.18
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD12	11	0.18
(2,2151)	1:235:A:ASN:HD22	1:240:A:GLN:HG3	13	0.18
(2,2092)	1:259:A:GLY:H	1:257:A:ASP:HB3	11	0.18
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	11	0.18
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	4	0.18
(2,1939)	1:223:A:ASN:HD21	1:226:A:LEU:HD12	14	0.18
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB1	13	0.18
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	3	0.18
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	7	0.18
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB3	7	0.18
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	15	0.18
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	20	0.18
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	15	0.18
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD13	19	0.18
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	8	0.18
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	6	0.18
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	10	0.18
(2,1598)	1:227:A:ILE:HG22	1:230:A:GLU:HG2	11	0.18
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	6	0.18
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB1	8	0.18
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB2	7	0.18
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	11	0.18
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1472)	1:198:A:GLN:HG2	1:196:A:LEU:H	3	0.18
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	17	0.18
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	19	0.18
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	10	0.18
(2,1380)	1:202:A:VAL:HG11	1:201:A:LYS:HA	14	0.18
(2,1368)	1:202:A:VAL:HG23	1:199:A:GLN:HG3	10	0.18
(2,1362)	1:203:A:LEU:HD11	1:202:A:VAL:H	3	0.18
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD22	2	0.18
(2,1358)	1:196:A:LEU:HD21	1:193:B:ALA:HB1	16	0.18
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	9	0.18
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	11	0.18
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	15	0.18
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	10	0.18
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	14	0.18
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	17	0.18
(2,1277)	1:205:A:LEU:HD13	1:205:A:LEU:HB2	19	0.18
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	9	0.18
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	12	0.18
(2,1202)	1:201:A:LYS:HE2	1:198:A:GLN:HB2	13	0.18
(2,1180)	1:215:A:ASP:HA	1:214:A:ARG:HG3	16	0.18
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD13	14	0.18
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	17	0.18
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	14	0.18
(2,1135)	1:226:A:LEU:HD12	2:5475:C:LYS:HG2	9	0.18
(2,1067)	1:232:A:GLU:HB2	1:232:A:GLU:HA	13	0.18
(2,1044)	1:235:A:ASN:HD22	1:235:A:ASN:HB3	8	0.18
(2,1044)	1:235:A:ASN:HD22	1:235:A:ASN:HB3	11	0.18
(2,1044)	1:235:A:ASN:HD22	1:235:A:ASN:HB3	18	0.18
(2,1023)	1:237:A:PRO:HA	1:238:A:VAL:HG12	5	0.18
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	19	0.18
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD23	4	0.18
(2,994)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	1	0.18
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	1	0.18
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	3	0.18
(2,916)	1:245:A:ILE:HG21	1:223:B:ASN:H	19	0.18
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	1	0.18
(2,887)	1:246:A:LEU:HD23	1:222:A:ARG:HA	14	0.18
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG12	16	0.18
(2,833)	1:255:A:ILE:HD12	2:5480:C:PRO:HB2	14	0.18
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	2	0.18
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	3	0.18
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	17	0.18
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	8	0.18
(2,674)	1:215:A:ASP:HA	1:214:A:ARG:HB2	11	0.18
(2,595)	1:235:A:ASN:HD22	1:235:A:ASN:HA	18	0.18
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	5	0.18
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	17	0.18
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	14	0.18
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	3	0.18
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	13	0.18
(2,525)	1:246:A:LEU:HA	1:221:A:LEU:HD23	12	0.18
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	4	0.18
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG23	10	0.18
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	1	0.18
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	20	0.18
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	13	0.18
(2,485)	1:258:A:GLU:HG3	1:258:A:GLU:H	16	0.18
(2,481)	1:192:A:GLU:HB2	1:196:A:LEU:HD11	20	0.18
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD21	1	0.18
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG23	20	0.18
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	5	0.18
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	17	0.18
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	4	0.18
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	11	0.18
(2,203)	1:227:A:ILE:HA	1:230:A:GLU:HB3	19	0.18
(2,188)	1:238:A:VAL:HG13	1:238:A:VAL:HB	13	0.18
(2,188)	1:238:A:VAL:HG13	1:238:A:VAL:HB	15	0.18
(2,174)	1:239:A:LEU:HD23	1:239:A:LEU:HD13	3	0.18
(2,174)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	13	0.18
(2,174)	1:239:A:LEU:HD23	1:239:A:LEU:HD12	16	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	1	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	2	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	3	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	5	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	6	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD12	7	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	8	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD12	9	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	10	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	11	0.18
(2,152)	1:242:A:ILE:HD13	1:242:A:ILE:HD12	12	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	13	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	17	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	18	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD13	19	0.18
(2,152)	1:242:A:ILE:HD11	1:242:A:ILE:HD12	20	0.18
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	4	0.18
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	11	0.18
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	12	0.18
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	16	0.18
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	19	0.18
(2,108)	1:249:A:THR:HG23	2:5480:C:PRO:HB2	6	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	1	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	2	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	3	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	6	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	11	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	17	0.18
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	19	0.18
(2,54)	1:210:A:LEU:HD23	1:210:A:LEU:HD11	19	0.18
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	16	0.18
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	16	0.18
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	16	0.18
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	16	0.18
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	16	0.18
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	16	0.18
(1,1169)	1:246:A:LEU:HD11	2:5479:C:ILE:HB	11	0.18
(1,1169)	1:246:A:LEU:HD12	2:5479:C:ILE:HB	11	0.18
(1,1169)	1:246:A:LEU:HD13	2:5479:C:ILE:HB	11	0.18
(1,1162)	1:253:A:PHE:HE1	2:5482:C:PRO:HD3	14	0.18
(1,1162)	1:253:A:PHE:HE2	2:5482:C:PRO:HD3	14	0.18
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	3	0.18
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	3	0.18
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	10	0.18
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	10	0.18
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE1	13	0.18
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE2	13	0.18
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	5	0.18
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	5	0.18
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	2	0.18
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	2	0.18
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	2	0.18
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	2	0.18
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	2	0.18
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	4	0.18
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	4	0.18
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	4	0.18
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	4	0.18
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	4	0.18
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	4	0.18
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	19	0.18
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	19	0.18
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	19	0.18
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	19	0.18
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	19	0.18
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	19	0.18
(1,1119)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	1	0.18
(1,1119)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	1	0.18
(1,1119)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	1	0.18
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	7	0.18
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	7	0.18
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	7	0.18
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	7	0.18
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	7	0.18
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	7	0.18
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	7	0.18
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	7	0.18
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	7	0.18
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	10	0.18
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	10	0.18
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	10	0.18
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	19	0.18
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	19	0.18
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	19	0.18
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	13	0.18
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	13	0.18
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	13	0.18
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	4	0.18
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	4	0.18
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	4	0.18
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	4	0.18
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	4	0.18
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	4	0.18
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	4	0.18
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	4	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	1	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	1	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	1	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	1	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	1	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	1	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	1	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	1	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	1	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	5	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	5	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	5	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	5	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	5	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	5	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	5	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	5	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	5	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	9	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	9	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	9	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	9	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	9	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	9	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	9	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	9	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	9	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	13	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	13	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	13	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	13	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	13	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	13	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	13	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	13	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	13	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	19	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	19	0.18
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	19	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	19	0.18
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	19	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	19	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	19	0.18
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	19	0.18
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	14	0.18
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	14	0.18
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	14	0.18
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	1	0.18
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	1	0.18
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	1	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	11	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	11	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	11	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	14	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	14	0.18
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	14	0.18
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	11	0.18
(1,972)	2:5475:C:LYS:HG2	2:5475:C:LYS:HE2	18	0.18
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	3	0.18
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	11	0.18
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	15	0.18
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	3	0.18
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	16	0.18
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	16	0.18
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	16	0.18
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	20	0.18
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	2	0.18
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	4	0.18
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	9	0.18
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	13	0.18
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	17	0.18
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	19	0.18
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	19	0.18
(1,898)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE2	1	0.18
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	8	0.18
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	2	0.18
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	18	0.18
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	16	0.18
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	19	0.18
(1,852)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	1	0.18
(1,852)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	3	0.18
(1,852)	2:5484:C:ARG:HB3	2:5484:C:ARG:HD2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	7	0.18
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	6	0.18
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	16	0.18
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	3	0.18
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	4	0.18
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	4	0.18
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	4	0.18
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	4	0.18
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	4	0.18
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	4	0.18
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	4	0.18
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	4	0.18
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	4	0.18
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	7	0.18
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	9	0.18
(1,689)	1:228:A:CYS:H	1:224:A:ILE:HG23	18	0.18
(1,606)	1:223:A:ASN:H	1:221:A:LEU:HD11	2	0.18
(1,590)	1:195:A:GLU:HG3	1:194:A:ALA:HA	9	0.18
(1,590)	1:195:A:GLU:HG3	1:194:A:ALA:HA	20	0.18
(1,572)	1:212:A:LYS:HA	1:215:A:ASP:HB2	11	0.18
(1,564)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	6	0.18
(1,488)	1:202:A:VAL:HG23	1:201:A:LYS:HA	14	0.18
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD23	2	0.18
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	13	0.18
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	14	0.18
(1,393)	1:221:A:LEU:HD12	1:220:B:LYS:HA	4	0.18
(1,377)	1:224:A:ILE:HG22	1:221:A:LEU:HG	7	0.18
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	4	0.18
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	14	0.18
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG21	15	0.18
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	16	0.18
(1,285)	1:238:A:VAL:HG23	1:241:A:ARG:HG3	7	0.18
(1,285)	1:238:A:VAL:HG22	1:241:A:ARG:HG3	20	0.18
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD11	13	0.18
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD12	19	0.18
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	6	0.18
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	7	0.18
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	1	0.18
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	2	0.18
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD12	11	0.18
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	17	0.18
(1,118)	1:191:A:ASP:HB2	1:192:A:GLU:HG2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	13	0.18
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	1	0.17
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	1	0.17
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	1	0.17
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	20	0.17
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	20	0.17
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	20	0.17
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	20	0.17
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	20	0.17
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	20	0.17
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	20	0.17
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	20	0.17
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	20	0.17
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	15	0.17
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	15	0.17
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	15	0.17
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	1	0.17
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	1	0.17
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	1	0.17
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	1	0.17
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	1	0.17
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	1	0.17
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	1	0.17
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	1	0.17
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	1	0.17
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	17	0.17
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	17	0.17
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	17	0.17
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	17	0.17
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	17	0.17
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	17	0.17
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	17	0.17
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	17	0.17
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	17	0.17
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG21	10	0.17
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG22	10	0.17
(2,2636)	1:227:B:ILE:HG21	1:238:A:VAL:HG23	10	0.17
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG21	10	0.17
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG22	10	0.17
(2,2636)	1:227:B:ILE:HG22	1:238:A:VAL:HG23	10	0.17
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG21	10	0.17
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG22	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2636)	1:227:B:ILE:HG23	1:238:A:VAL:HG23	10	0.17
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	15	0.17
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	15	0.17
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	15	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	3	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	3	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	3	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	3	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	3	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	3	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	3	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	3	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	3	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	15	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	15	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	15	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	15	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	15	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	15	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	15	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	15	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	15	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	18	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	18	0.17
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	18	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	18	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	18	0.17
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	18	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	18	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	18	0.17
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	18	0.17
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	19	0.17
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	19	0.17
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	19	0.17
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	19	0.17
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	19	0.17
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	19	0.17
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	19	0.17
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	19	0.17
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	19	0.17
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	15	0.17
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	15	0.17
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	15	0.17
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	15	0.17
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	15	0.17
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	15	0.17
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	15	0.17
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	15	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	1	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	1	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	1	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	1	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	1	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	1	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	1	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	1	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	1	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	3	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	3	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	3	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	3	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	3	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	3	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	3	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	3	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	3	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	7	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	7	0.17
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	7	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	7	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	7	0.17
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	7	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	7	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	7	0.17
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	7	0.17
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	7	0.17
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	7	0.17
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	7	0.17
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	2	0.17
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	2	0.17
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	2	0.17
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	2	0.17
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	2	0.17
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	2	0.17
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	2	0.17
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	2	0.17
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD11	16	0.17
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD12	16	0.17
(2,2591)	1:196:A:LEU:HD21	1:196:B:LEU:HD13	16	0.17
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD11	16	0.17
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD12	16	0.17
(2,2591)	1:196:A:LEU:HD22	1:196:B:LEU:HD13	16	0.17
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD11	16	0.17
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD12	16	0.17
(2,2591)	1:196:A:LEU:HD23	1:196:B:LEU:HD13	16	0.17
(2,2523)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	10	0.17
(2,2496)	1:197:A:MET:HE1	1:196:B:LEU:HD21	12	0.17
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	16	0.17
(2,2450)	1:203:A:LEU:HD21	1:204:B:LYS:HG2	16	0.17
(2,2440)	1:249:A:THR:HG23	1:216:B:PHE:HZ	14	0.17
(2,2406)	1:227:A:ILE:HD12	1:242:B:ILE:HG22	1	0.17
(2,2405)	1:227:A:ILE:HD12	1:245:B:ILE:HG12	17	0.17
(2,2405)	1:227:A:ILE:HD11	1:245:B:ILE:HG12	20	0.17
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD11	10	0.17
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG12	2	0.17
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	4	0.17
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	16	0.17
(2,2342)	1:196:A:LEU:HD21	1:197:B:MET:H	3	0.17
(2,2342)	1:196:A:LEU:HD22	1:197:B:MET:H	19	0.17
(2,1853)	1:201:A:LYS:H	1:201:A:LYS:HB2	19	0.17
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB1	12	0.17
(2,1786)	1:253:A:PHE:H	1:251:A:GLU:HG2	13	0.17
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	6	0.17
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	7	0.17
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	9	0.17
(2,1486)	1:200:A:VAL:HG13	1:197:A:MET:HG3	9	0.17
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	14	0.17
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	8	0.17
(2,1368)	1:202:A:VAL:HG21	1:199:A:GLN:HG3	7	0.17
(2,1362)	1:203:A:LEU:HD11	1:202:A:VAL:H	10	0.17
(2,1362)	1:203:A:LEU:HD11	1:202:A:VAL:H	18	0.17
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	15	0.17
(2,1210)	1:212:A:LYS:HE2	1:212:A:LYS:HA	13	0.17
(2,1183)	1:214:A:ARG:HD3	1:210:B:LEU:HD13	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD13	6	0.17
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	3	0.17
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	10	0.17
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	16	0.17
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	19	0.17
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD23	15	0.17
(2,1067)	1:232:A:GLU:HB2	1:232:A:GLU:HA	3	0.17
(2,994)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	6	0.17
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	18	0.17
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	7	0.17
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG22	14	0.17
(2,875)	1:249:A:THR:HG21	1:216:B:PHE:HZ	9	0.17
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	19	0.17
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	7	0.17
(2,838)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	1	0.17
(2,832)	1:255:A:ILE:HD11	2:5480:C:PRO:HG2	6	0.17
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	6	0.17
(2,800)	1:251:A:GLU:HG2	1:252:A:GLY:HA3	18	0.17
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	12	0.17
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	14	0.17
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	16	0.17
(2,690)	1:214:A:ARG:HA	1:211:A:GLU:HA	6	0.17
(2,595)	1:235:A:ASN:HD22	1:235:A:ASN:HA	8	0.17
(2,595)	1:235:A:ASN:HD22	1:235:A:ASN:HA	11	0.17
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	4	0.17
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	10	0.17
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	12	0.17
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	19	0.17
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	10	0.17
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	18	0.17
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	8	0.17
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	16	0.17
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	4	0.17
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	11	0.17
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	3	0.17
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	7	0.17
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG22	5	0.17
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	8	0.17
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	18	0.17
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	14	0.17
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD13	1	0.17
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD12	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:238:A:VAL:HG13	1:238:A:VAL:HB	17	0.17
(2,174)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	18	0.17
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG21	12	0.17
(2,112)	1:206:A:THR:HG22	1:206:A:THR:HB	1	0.17
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	2	0.17
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	6	0.17
(2,112)	1:206:A:THR:HG22	1:206:A:THR:HB	17	0.17
(2,103)	1:206:A:THR:HG21	1:207:B:VAL:HG21	11	0.17
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	13	0.17
(2,67)	1:242:A:ILE:HD13	1:224:B:ILE:HA	14	0.17
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	17	0.17
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	4	0.17
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	5	0.17
(2,65)	1:204:A:LYS:HA	1:204:A:LYS:HG2	14	0.17
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD12	3	0.17
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	13	0.17
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	13	0.17
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	13	0.17
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	13	0.17
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	13	0.17
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	13	0.17
(1,1174)	1:254:A:VAL:HG11	2:5481:C:THR:HG21	11	0.17
(1,1174)	1:254:A:VAL:HG11	2:5481:C:THR:HG22	11	0.17
(1,1174)	1:254:A:VAL:HG11	2:5481:C:THR:HG23	11	0.17
(1,1174)	1:254:A:VAL:HG12	2:5481:C:THR:HG21	11	0.17
(1,1174)	1:254:A:VAL:HG12	2:5481:C:THR:HG22	11	0.17
(1,1174)	1:254:A:VAL:HG12	2:5481:C:THR:HG23	11	0.17
(1,1174)	1:254:A:VAL:HG13	2:5481:C:THR:HG21	11	0.17
(1,1174)	1:254:A:VAL:HG13	2:5481:C:THR:HG22	11	0.17
(1,1174)	1:254:A:VAL:HG13	2:5481:C:THR:HG23	11	0.17
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	17	0.17
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	17	0.17
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	6	0.17
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	6	0.17
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	8	0.17
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	8	0.17
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	9	0.17
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	9	0.17
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	17	0.17
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	17	0.17
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	9	0.17
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	9	0.17
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	9	0.17
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	9	0.17
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	9	0.17
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG21	3	0.17
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG22	3	0.17
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG23	3	0.17
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG21	3	0.17
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG22	3	0.17
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG23	3	0.17
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD11	13	0.17
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD12	13	0.17
(1,1114)	1:221:A:LEU:HD21	2:5479:C:ILE:HD13	13	0.17
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD11	13	0.17
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD12	13	0.17
(1,1114)	1:221:A:LEU:HD22	2:5479:C:ILE:HD13	13	0.17
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD11	13	0.17
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD12	13	0.17
(1,1114)	1:221:A:LEU:HD23	2:5479:C:ILE:HD13	13	0.17
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	20	0.17
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	20	0.17
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	1	0.17
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	1	0.17
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	1	0.17
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	13	0.17
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	13	0.17
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	13	0.17
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	20	0.17
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	20	0.17
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	20	0.17
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	20	0.17
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	20	0.17
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	20	0.17
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	20	0.17
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	20	0.17
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	20	0.17
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	18	0.17
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	18	0.17
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	18	0.17
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	2	0.17
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	2	0.17
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	6	0.17
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	6	0.17
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	6	0.17
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	11	0.17
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	11	0.17
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	11	0.17
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	14	0.17
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	14	0.17
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	14	0.17
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD11	8	0.17
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD12	8	0.17
(1,1057)	1:221:A:LEU:HD11	2:5479:C:ILE:HD13	8	0.17
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD11	8	0.17
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD12	8	0.17
(1,1057)	1:221:A:LEU:HD12	2:5479:C:ILE:HD13	8	0.17
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD11	8	0.17
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD12	8	0.17
(1,1057)	1:221:A:LEU:HD13	2:5479:C:ILE:HD13	8	0.17
(1,1046)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	3	0.17
(1,1046)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	3	0.17
(1,1046)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	3	0.17
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	7	0.17
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	7	0.17
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	7	0.17
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	12	0.17
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	12	0.17
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	12	0.17
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	3	0.17
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	3	0.17
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	3	0.17
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	16	0.17
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	16	0.17
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	16	0.17
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	15	0.17
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	15	0.17
(1,1006)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	15	0.17
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	7	0.17
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	18	0.17
(1,992)	2:5485:C:LYS:HG2	2:5485:C:LYS:HA	10	0.17
(1,985)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	4	0.17
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	17	0.17
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	2:5476:C:PRO:HD3	2:5475:C:LYS:HA	6	0.17
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	9	0.17
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	20	0.17
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	6	0.17
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	18	0.17
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	1	0.17
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	3	0.17
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	5	0.17
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	10	0.17
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	12	0.17
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	15	0.17
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	20	0.17
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	8	0.17
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	18	0.17
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	2	0.17
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	1	0.17
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	11	0.17
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	12	0.17
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	14	0.17
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	18	0.17
(1,863)	2:5476:C:PRO:HD2	2:5475:C:LYS:HE2	1	0.17
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	7	0.17
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	14	0.17
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	15	0.17
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	17	0.17
(1,847)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	8	0.17
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	14	0.17
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	4	0.17
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	2	0.17
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	11	0.17
(1,836)	2:5481:C:THR:HB	2:5482:C:PRO:HB2	6	0.17
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	3	0.17
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	6	0.17
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	7	0.17
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	8	0.17
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	17	0.17
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	20	0.17
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	15	0.17
(1,824)	2:5476:C:PRO:HB2	2:5476:C:PRO:HD2	16	0.17
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	12	0.17
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	17	0.17
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	18	0.17
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	8	0.17
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	8	0.17
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	8	0.17
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	11	0.17
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	11	0.17
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	11	0.17
(1,678)	1:220:A:LYS:H	1:224:A:ILE:HD12	13	0.17
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	1	0.17
(1,610)	1:226:A:LEU:HD12	1:222:A:ARG:HB3	7	0.17
(1,586)	1:221:A:LEU:HD12	1:217:B:TYR:HE1	11	0.17
(1,572)	1:212:A:LYS:HA	1:216:A:PHE:HB2	7	0.17
(1,564)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	14	0.17
(1,551)	1:196:A:LEU:HD13	1:199:B:GLN:H	6	0.17
(1,549)	1:196:A:LEU:HD13	1:194:B:ALA:H	6	0.17
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	20	0.17
(1,510)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	9	0.17
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	9	0.17
(1,488)	1:202:A:VAL:HG21	1:201:A:LYS:HA	17	0.17
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	7	0.17
(1,399)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	7	0.17
(1,390)	1:221:A:LEU:HD22	1:222:A:ARG:HA	16	0.17
(1,361)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	1	0.17
(1,361)	1:239:A:LEU:HD23	1:228:A:CYS:HB2	6	0.17
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	8	0.17
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	17	0.17
(1,298)	1:236:A:ASP:H	1:239:A:LEU:HG	18	0.17
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	13	0.17
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	5	0.17
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	17	0.17
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	14	0.17
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD13	12	0.17
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	17	0.17
(1,26)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	4	0.17
(1,15)	1:200:A:VAL:HA	1:203:A:LEU:HB3	9	0.17
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD11	20	0.16
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD12	20	0.16
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD13	20	0.16
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	15	0.16
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	15	0.16
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	15	0.16
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	15	0.16
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	15	0.16
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	15	0.16
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	15	0.16
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	15	0.16
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	10	0.16
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	10	0.16
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	10	0.16
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	18	0.16
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	18	0.16
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	18	0.16
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	18	0.16
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	18	0.16
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	18	0.16
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	18	0.16
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	18	0.16
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	18	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	2	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	2	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	2	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	2	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	2	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	2	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	2	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	2	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	2	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	5	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	5	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	5	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	5	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	5	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	5	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	5	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	5	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	5	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	17	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	17	0.16
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	17	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	17	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	17	0.16
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	17	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	17	0.16
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	17	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	5	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	5	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	5	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	14	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	14	0.16
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	14	0.16
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	20	0.16
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	20	0.16
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	20	0.16
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	20	0.16
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	20	0.16
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	20	0.16
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	20	0.16
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	20	0.16
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	20	0.16
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	11	0.16
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	11	0.16
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	11	0.16
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	11	0.16
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	11	0.16
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	11	0.16
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	11	0.16
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	11	0.16
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	11	0.16
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	8	0.16
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	8	0.16
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	8	0.16
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	8	0.16
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	8	0.16
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	8	0.16
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	8	0.16
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	8	0.16
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	8	0.16
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD11	3	0.16
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD12	3	0.16
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD13	3	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	9	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	9	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	9	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	9	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	9	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	9	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	9	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	9	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	10	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	10	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	10	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	10	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	10	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	10	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	10	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	10	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	10	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	18	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	18	0.16
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	18	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	18	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	18	0.16
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	18	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	18	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	18	0.16
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	18	0.16
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	10	0.16
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	10	0.16
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	10	0.16
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	10	0.16
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	10	0.16
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	10	0.16
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	10	0.16
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	10	0.16
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	10	0.16
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	10	0.16
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	10	0.16
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	10	0.16
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	10	0.16
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	10	0.16
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	10	0.16
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	10	0.16
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	10	0.16
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	10	0.16
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	19	0.16
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	19	0.16
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD23	8	0.16
(2,2523)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	1	0.16
(2,2495)	1:197:A:MET:HE3	1:196:B:LEU:HD13	5	0.16
(2,2468)	1:220:A:LYS:HE3	1:248:B:ALA:HB2	12	0.16
(2,2458)	1:221:A:LEU:HD11	1:217:B:TYR:HB2	9	0.16
(2,2427)	1:245:A:ILE:HD12	1:224:B:ILE:HA	8	0.16
(2,2410)	1:238:A:VAL:HG11	1:231:B:ASN:HD22	8	0.16
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD12	13	0.16
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	6	0.16
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	15	0.16
(2,2342)	1:196:A:LEU:HD23	1:197:B:MET:H	7	0.16
(2,2340)	1:193:A:ALA:HB3	1:196:B:LEU:HD12	2	0.16
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD13	14	0.16
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	4	0.16
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	13	0.16
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	20	0.16
(2,2034)	1:244:A:ASP:H	1:244:A:ASP:HB3	20	0.16
(2,1986)	1:235:A:ASN:H	1:232:A:GLU:HB3	13	0.16
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	12	0.16
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	13	0.16
(2,1904)	1:213:A:GLU:H	1:213:A:GLU:HG2	3	0.16
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB1	20	0.16
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	6	0.16
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB1	20	0.16
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	8	0.16
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	17	0.16
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	19	0.16
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	20	0.16
(2,1660)	1:212:A:LYS:HE2	1:208:A:GLU:HG2	14	0.16
(2,1658)	1:198:A:GLN:HE21	1:201:A:LYS:HE2	19	0.16
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	14	0.16
(2,1621)	1:254:A:VAL:HG23	2:5481:C:THR:HB	17	0.16
(2,1621)	1:254:A:VAL:HG21	2:5481:C:THR:HB	19	0.16
(2,1612)	1:249:A:THR:HB	2:5480:C:PRO:HB3	11	0.16
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	17	0.16
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB1	14	0.16
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB3	19	0.16
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB3	4	0.16
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	13	0.16
(2,1486)	1:200:A:VAL:HG12	1:197:A:MET:HG3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	9	0.16
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD21	8	0.16
(2,1414)	1:201:A:LYS:HD2	1:198:A:GLN:HB2	3	0.16
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	17	0.16
(2,1368)	1:202:A:VAL:HG22	1:199:A:GLN:HG3	1	0.16
(2,1362)	1:203:A:LEU:HD11	1:202:A:VAL:H	7	0.16
(2,1362)	1:203:A:LEU:HD13	1:202:A:VAL:H	20	0.16
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	6	0.16
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD22	7	0.16
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD23	14	0.16
(2,1351)	1:243:A:VAL:HG21	1:242:A:ILE:HD11	18	0.16
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	3	0.16
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	7	0.16
(2,1236)	1:210:A:LEU:HD13	1:211:B:GLU:HA	2	0.16
(2,1236)	1:210:A:LEU:HD12	1:211:B:GLU:HA	3	0.16
(2,1236)	1:210:A:LEU:HD11	1:211:B:GLU:HA	9	0.16
(2,1223)	1:212:A:LYS:H	1:211:A:GLU:HG3	19	0.16
(2,1220)	1:211:A:GLU:HG3	1:207:A:VAL:HG23	4	0.16
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	3	0.16
(2,1152)	1:224:A:ILE:HD13	1:220:A:LYS:HA	12	0.16
(2,1143)	1:221:A:LEU:HA	1:224:A:ILE:HG23	6	0.16
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	20	0.16
(2,1135)	1:226:A:LEU:HD12	2:5475:C:LYS:HG2	6	0.16
(2,1070)	1:233:A:GLY:H	1:232:A:GLU:HB2	13	0.16
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG11	16	0.16
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG21	18	0.16
(2,954)	1:238:A:VAL:HG21	1:231:B:ASN:HB3	20	0.16
(2,941)	1:244:A:ASP:HB2	1:247:A:TYR:H	14	0.16
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD11	7	0.16
(2,896)	1:246:A:LEU:HD13	1:242:A:ILE:HG12	15	0.16
(2,880)	1:248:A:ALA:HB2	1:245:A:ILE:HD13	19	0.16
(2,870)	1:249:A:THR:HG21	1:251:A:GLU:H	6	0.16
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	9	0.16
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	8	0.16
(2,849)	1:254:A:VAL:HG11	2:5483:C:GLN:H	15	0.16
(2,816)	1:255:A:ILE:HG21	2:5480:C:PRO:HG2	20	0.16
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	1	0.16
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	14	0.16
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	9	0.16
(2,789)	1:256:A:PRO:HG2	2:5478:C:LYS:HB2	18	0.16
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	3	0.16
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	7	0.16
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	12	0.16
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	18	0.16
(2,633)	1:226:A:LEU:HA	2:5475:C:LYS:HG2	9	0.16
(2,595)	1:235:A:ASN:HD22	1:235:A:ASN:HA	2	0.16
(2,595)	1:235:A:ASN:HD22	1:235:A:ASN:HA	20	0.16
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	7	0.16
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	15	0.16
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	6	0.16
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	9	0.16
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	20	0.16
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	11	0.16
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	16	0.16
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	20	0.16
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	5	0.16
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	7	0.16
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	10	0.16
(2,472)	1:191:A:ASP:HB3	1:192:A:GLU:HB2	18	0.16
(2,449)	1:224:A:ILE:HG21	1:221:A:LEU:HD11	10	0.16
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	4	0.16
(2,447)	1:255:A:ILE:HG22	2:5478:C:LYS:HA	11	0.16
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	17	0.16
(2,389)	1:197:A:MET:HE1	1:196:B:LEU:HD23	15	0.16
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD11	13	0.16
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	1	0.16
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	3	0.16
(2,276)	1:200:A:VAL:HG11	1:196:B:LEU:HB2	1	0.16
(2,218)	1:227:A:ILE:HD11	1:227:A:ILE:HG22	14	0.16
(2,191)	1:238:A:VAL:HB	1:239:B:LEU:HD21	9	0.16
(2,138)	1:227:A:ILE:HB	1:242:B:ILE:HD13	16	0.16
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	3	0.16
(2,112)	1:206:A:THR:HG22	1:206:A:THR:HB	5	0.16
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	14	0.16
(2,78)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	5	0.16
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	7	0.16
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	7	0.16
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	7	0.16
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	7	0.16
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	7	0.16
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	7	0.16
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	8	0.16
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:247:A:TYR:HE1	2:5478:C:LYS:HB2	20	0.16
(1,1130)	1:247:A:TYR:HE2	2:5478:C:LYS:HB2	20	0.16
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	19	0.16
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	19	0.16
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	19	0.16
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	19	0.16
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	19	0.16
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	19	0.16
(1,1121)	1:254:A:VAL:HG21	2:5483:C:GLN:HA	2	0.16
(1,1121)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	2	0.16
(1,1121)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	2	0.16
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	11	0.16
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	11	0.16
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	11	0.16
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	14	0.16
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	14	0.16
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	14	0.16
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	16	0.16
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	16	0.16
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	16	0.16
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	8	0.16
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	8	0.16
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	8	0.16
(1,1084)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	8	0.16
(1,1084)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	8	0.16
(1,1084)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	8	0.16
(1,1084)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	8	0.16
(1,1084)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	8	0.16
(1,1084)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	8	0.16
(1,1084)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	8	0.16
(1,1084)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	8	0.16
(1,1084)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	8	0.16
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	6	0.16
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	6	0.16
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	6	0.16
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	6	0.16
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	6	0.16
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	6	0.16
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	6	0.16
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	6	0.16
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	6	0.16
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG21	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG22	13	0.16
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG23	13	0.16
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG21	13	0.16
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG22	13	0.16
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG23	13	0.16
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG21	13	0.16
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG22	13	0.16
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG23	13	0.16
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	8	0.16
(1,1056)	1:256:A:PRO:HG2	2:5478:C:LYS:HA	20	0.16
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	20	0.16
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	20	0.16
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	20	0.16
(1,1029)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	10	0.16
(1,1029)	1:254:A:VAL:HG22	2:5482:C:PRO:HA	10	0.16
(1,1029)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	10	0.16
(1,1026)	1:254:A:VAL:HG21	2:5482:C:PRO:HB3	20	0.16
(1,1026)	1:254:A:VAL:HG22	2:5482:C:PRO:HB3	20	0.16
(1,1026)	1:254:A:VAL:HG23	2:5482:C:PRO:HB3	20	0.16
(1,1022)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	5	0.16
(1,1022)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	5	0.16
(1,1022)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	5	0.16
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	4	0.16
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	4	0.16
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	4	0.16
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	14	0.16
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	14	0.16
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	14	0.16
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	18	0.16
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	18	0.16
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	18	0.16
(1,981)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD3	4	0.16
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	1	0.16
(1,976)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	6	0.16
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	2	0.16
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	8	0.16
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	6	0.16
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	10	0.16
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	15	0.16
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	11	0.16
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	12	0.16
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	2:5478:C:LYS:HD2	2:5478:C:LYS:HG2	1	0.16
(1,901)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE3	13	0.16
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	14	0.16
(1,884)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	2	0.16
(1,855)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	19	0.16
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	13	0.16
(1,845)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	17	0.16
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	13	0.16
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	20	0.16
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	3	0.16
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	9	0.16
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	15	0.16
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	10	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	2	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	4	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	9	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	11	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	14	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	15	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	16	0.16
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	19	0.16
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	6	0.16
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	14	0.16
(1,820)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	16	0.16
(1,818)	2:5481:C:THR:HB	2:5482:C:PRO:HD3	6	0.16
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	13	0.16
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	1	0.16
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	4	0.16
(1,807)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	11	0.16
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	15	0.16
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	15	0.16
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	15	0.16
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	4	0.16
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	4	0.16
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	4	0.16
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	4	0.16
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	4	0.16
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	4	0.16
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	4	0.16
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	4	0.16
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	4	0.16
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	2	0.16
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	2	0.16
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	12	0.16
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	12	0.16
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	12	0.16
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	13	0.16
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	13	0.16
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	13	0.16
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	17	0.16
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	17	0.16
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	17	0.16
(1,787)	1:214:B:ARG:HA	1:217:A:TYR:HD1	3	0.16
(1,787)	1:214:B:ARG:HA	1:217:A:TYR:HD2	3	0.16
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	5	0.16
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	5	0.16
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	5	0.16
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	5	0.16
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	9	0.16
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	9	0.16
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	9	0.16
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	9	0.16
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	3	0.16
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	20	0.16
(1,590)	1:195:A:GLU:HG3	1:194:A:ALA:HA	12	0.16
(1,590)	1:195:A:GLU:HG3	1:194:A:ALA:HA	13	0.16
(1,572)	1:212:A:LYS:HA	1:216:A:PHE:HB2	10	0.16
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	18	0.16
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	8	0.16
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	20	0.16
(1,492)	1:202:A:VAL:HG23	1:201:A:LYS:HB3	4	0.16
(1,490)	1:202:A:VAL:HG22	1:204:B:LYS:HE2	10	0.16
(1,457)	1:200:A:VAL:HG13	1:201:A:LYS:HB2	15	0.16
(1,437)	1:207:A:VAL:HB	1:204:A:LYS:HB2	9	0.16
(1,429)	1:200:A:VAL:HG11	1:196:B:LEU:HB3	12	0.16
(1,427)	1:207:A:VAL:HG11	1:203:B:LEU:HG	16	0.16
(1,420)	1:209:A:ASP:HB2	1:210:A:LEU:HB2	6	0.16
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	5	0.16
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	15	0.16
(1,393)	1:221:A:LEU:HD12	1:220:B:LYS:HA	3	0.16
(1,352)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	6	0.16
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	20	0.16
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG21	9	0.16
(1,316)	1:239:A:LEU:HD11	1:234:A:GLU:HG3	8	0.16
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG13	11	0.16
(1,244)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	3	0.16
(1,236)	1:255:A:ILE:H	1:254:A:VAL:HG23	19	0.16
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG22	2	0.16
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	2	0.16
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	19	0.16
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	7	0.16
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	10	0.16
(1,175)	1:220:A:LYS:HA	1:221:A:LEU:HD12	19	0.16
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	17	0.16
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	17	0.15
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	17	0.15
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	17	0.15
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG21	6	0.15
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG22	6	0.15
(2,2660)	1:224:B:ILE:HD11	1:245:A:ILE:HG23	6	0.15
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG21	6	0.15
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG22	6	0.15
(2,2660)	1:224:B:ILE:HD12	1:245:A:ILE:HG23	6	0.15
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG21	6	0.15
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG22	6	0.15
(2,2660)	1:224:B:ILE:HD13	1:245:A:ILE:HG23	6	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	3	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	3	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	3	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	3	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	3	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	3	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	3	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	3	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	3	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	4	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	4	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	4	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	4	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	4	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	4	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	4	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	4	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	8	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	8	0.15
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	8	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	8	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	8	0.15
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	8	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	8	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	8	0.15
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	8	0.15
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	6	0.15
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	6	0.15
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	6	0.15
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	6	0.15
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	6	0.15
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	6	0.15
(2,2628)	1:227:A:ILE:HD11	1:241:B:ARG:HD2	14	0.15
(2,2628)	1:227:A:ILE:HD12	1:241:B:ARG:HD2	14	0.15
(2,2628)	1:227:A:ILE:HD13	1:241:B:ARG:HD2	14	0.15
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	6	0.15
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	6	0.15
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	6	0.15
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	6	0.15
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	6	0.15
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	6	0.15
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	6	0.15
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	6	0.15
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	6	0.15
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	10	0.15
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	10	0.15
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	10	0.15
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	10	0.15
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	10	0.15
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	10	0.15
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	10	0.15
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	10	0.15
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	10	0.15
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD11	7	0.15
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD12	7	0.15
(2,2617)	1:224:A:ILE:HD11	1:224:B:ILE:HD13	7	0.15
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD11	7	0.15
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD12	7	0.15
(2,2617)	1:224:A:ILE:HD12	1:224:B:ILE:HD13	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD11	7	0.15
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD12	7	0.15
(2,2617)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	7	0.15
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG11	7	0.15
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG12	7	0.15
(2,2604)	1:206:B:THR:HG21	1:207:A:VAL:HG13	7	0.15
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG11	7	0.15
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG12	7	0.15
(2,2604)	1:206:B:THR:HG22	1:207:A:VAL:HG13	7	0.15
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG11	7	0.15
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG12	7	0.15
(2,2604)	1:206:B:THR:HG23	1:207:A:VAL:HG13	7	0.15
(2,2498)	1:200:A:VAL:HG11	1:200:B:VAL:HG11	15	0.15
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	3	0.15
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	12	0.15
(2,2463)	1:200:A:VAL:HG12	1:199:B:GLN:HG3	15	0.15
(2,2437)	1:245:A:ILE:HG22	1:220:B:LYS:HG2	14	0.15
(2,2437)	1:245:A:ILE:HG22	1:220:B:LYS:HG2	17	0.15
(2,2437)	1:245:A:ILE:HG22	1:220:B:LYS:HG2	18	0.15
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	2	0.15
(2,2406)	1:227:A:ILE:HD11	1:242:B:ILE:HG23	19	0.15
(2,2384)	1:214:A:ARG:HG2	1:217:B:TYR:HE2	17	0.15
(2,2380)	1:214:A:ARG:HD2	1:217:B:TYR:HE2	1	0.15
(2,2373)	1:210:A:LEU:HD21	1:207:B:VAL:HA	15	0.15
(2,2356)	1:203:A:LEU:HD21	1:204:B:LYS:HA	13	0.15
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG13	7	0.15
(2,2334)	1:253:A:PHE:H	1:250:A:ASP:HB2	7	0.15
(2,1904)	1:213:A:GLU:H	1:213:A:GLU:HG2	8	0.15
(2,1904)	1:213:A:GLU:H	1:213:A:GLU:HG2	11	0.15
(2,1899)	1:212:A:LYS:H	1:212:A:LYS:HB2	1	0.15
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB1	3	0.15
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	2	0.15
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	5	0.15
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	10	0.15
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	14	0.15
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	16	0.15
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	19	0.15
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB3	9	0.15
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB3	15	0.15
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB3	16	0.15
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	19	0.15
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	9	0.15
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	11	0.15
(2,1627)	1:260:A:GLY:H	1:260:A:GLY:HA3	18	0.15
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	5	0.15
(2,1576)	1:199:A:GLN:HA	1:203:A:LEU:H	13	0.15
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	3	0.15
(2,1544)	1:196:A:LEU:H	1:194:A:ALA:HB2	3	0.15
(2,1543)	1:193:A:ALA:H	1:194:A:ALA:HB2	11	0.15
(2,1533)	1:194:A:ALA:H	1:195:A:GLU:HB3	4	0.15
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB1	18	0.15
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	15	0.15
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	15	0.15
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	12	0.15
(2,1472)	1:198:A:GLN:HG2	1:196:A:LEU:H	7	0.15
(2,1388)	1:202:A:VAL:HG13	1:203:A:LEU:H	20	0.15
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	7	0.15
(2,1354)	1:196:A:LEU:HD22	1:197:B:MET:HG2	13	0.15
(2,1351)	1:243:A:VAL:HG23	1:242:A:ILE:HD13	11	0.15
(2,1345)	1:203:A:LEU:HD23	1:199:A:GLN:HG3	1	0.15
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	16	0.15
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	19	0.15
(2,1329)	1:237:A:PRO:HB3	1:238:A:VAL:HG12	4	0.15
(2,1236)	1:210:A:LEU:HD11	1:211:B:GLU:HA	6	0.15
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	12	0.15
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	17	0.15
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD21	17	0.15
(2,1158)	1:246:A:LEU:H	1:224:A:ILE:HD12	16	0.15
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	9	0.15
(2,1140)	1:226:A:LEU:HB2	1:223:A:ASN:HA	17	0.15
(2,1130)	1:223:A:ASN:HA	1:226:A:LEU:HD21	16	0.15
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD12	12	0.15
(2,1070)	1:233:A:GLY:H	1:232:A:GLU:HB2	3	0.15
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG13	10	0.15
(2,993)	1:239:A:LEU:HD21	1:238:B:VAL:HA	9	0.15
(2,975)	1:239:A:LEU:HG	1:240:A:GLN:HE21	10	0.15
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	17	0.15
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG21	15	0.15
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	6	0.15
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	11	0.15
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	2	0.15
(2,870)	1:249:A:THR:HG21	1:251:A:GLU:H	2	0.15
(2,867)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	16	0.15
(2,840)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	17	0.15
(2,836)	1:255:A:ILE:HB	1:254:A:VAL:HG12	12	0.15
(2,816)	1:255:A:ILE:HG23	2:5480:C:PRO:HG2	4	0.15
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	8	0.15
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	17	0.15
(2,805)	1:234:A:GLU:HG3	1:234:A:GLU:H	7	0.15
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	11	0.15
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	1	0.15
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	2	0.15
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	11	0.15
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	15	0.15
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	2	0.15
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	9	0.15
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	10	0.15
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	20	0.15
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	13	0.15
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	1	0.15
(2,516)	1:212:A:LYS:HA	1:212:A:LYS:HG3	1	0.15
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG23	16	0.15
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	4	0.15
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	18	0.15
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	4	0.15
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	20	0.15
(2,447)	1:255:A:ILE:HG23	2:5478:C:LYS:HA	13	0.15
(2,304)	1:207:A:VAL:HG22	1:204:A:LYS:HD2	9	0.15
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	2	0.15
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	6	0.15
(2,203)	1:227:A:ILE:HA	1:230:A:GLU:HB3	17	0.15
(2,188)	1:238:A:VAL:HG11	1:238:A:VAL:HB	3	0.15
(2,188)	1:238:A:VAL:HG11	1:238:A:VAL:HB	9	0.15
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD13	5	0.15
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD11	11	0.15
(2,18)	1:241:A:ARG:HD2	1:241:A:ARG:HB3	4	0.15
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	1	0.15
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	1	0.15
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	1	0.15
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	1	0.15
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	1	0.15
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	1	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	1	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	1	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	1	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	1	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	1	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	4	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	4	0.15
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	4	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	4	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	4	0.15
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	4	0.15
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	6	0.15
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	6	0.15
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	11	0.15
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	11	0.15
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE1	11	0.15
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE2	11	0.15
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	5	0.15
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	5	0.15
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	19	0.15
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	19	0.15
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	1	0.15
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	1	0.15
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	18	0.15
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	18	0.15
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	13	0.15
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	13	0.15
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	14	0.15
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	14	0.15
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	16	0.15
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	16	0.15
(1,1142)	1:253:A:PHE:HD1	2:5482:C:PRO:HB2	2	0.15
(1,1142)	1:253:A:PHE:HD2	2:5482:C:PRO:HB2	2	0.15
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE1	4	0.15
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE2	4	0.15
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE1	20	0.15
(1,1126)	2:5479:C:ILE:HG21	1:253:A:PHE:HE2	20	0.15
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE1	20	0.15
(1,1126)	2:5479:C:ILE:HG22	1:253:A:PHE:HE2	20	0.15
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE1	20	0.15
(1,1126)	2:5479:C:ILE:HG23	1:253:A:PHE:HE2	20	0.15
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	1	0.15
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	1	0.15
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	1	0.15
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	1	0.15
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	1	0.15
(1,1122)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	6	0.15
(1,1122)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	6	0.15
(1,1122)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	6	0.15
(1,1117)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	12	0.15
(1,1117)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	12	0.15
(1,1117)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	12	0.15
(1,1103)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	20	0.15
(1,1103)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	20	0.15
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	1	0.15
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	1	0.15
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	1	0.15
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	1	0.15
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	1	0.15
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	1	0.15
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	1	0.15
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	1	0.15
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	1	0.15
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	18	0.15
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	18	0.15
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	18	0.15
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	18	0.15
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	18	0.15
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	18	0.15
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	18	0.15
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	18	0.15
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	18	0.15
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	2	0.15
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	2	0.15
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	2	0.15
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	7	0.15
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	7	0.15
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	7	0.15
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	4	0.15
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	4	0.15
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	4	0.15
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	15	0.15
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	15	0.15
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	5	0.15
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	5	0.15
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	5	0.15
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	11	0.15
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	11	0.15
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	11	0.15
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD11	18	0.15
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	18	0.15
(1,1082)	1:222:A:ARG:HA	2:5479:C:ILE:HD13	18	0.15
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	3	0.15
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	3	0.15
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	3	0.15
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	3	0.15
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	3	0.15
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	3	0.15
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	3	0.15
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	3	0.15
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	3	0.15
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	10	0.15
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	10	0.15
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	10	0.15
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	10	0.15
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	10	0.15
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	10	0.15
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	10	0.15
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	10	0.15
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	10	0.15
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	4	0.15
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	4	0.15
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	4	0.15
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	14	0.15
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	14	0.15
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	14	0.15
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG21	8	0.15
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG22	8	0.15
(1,1023)	1:254:A:VAL:HG21	2:5481:C:THR:HG23	8	0.15
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG21	8	0.15
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG22	8	0.15
(1,1023)	1:254:A:VAL:HG22	2:5481:C:THR:HG23	8	0.15
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG21	8	0.15
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG22	8	0.15
(1,1023)	1:254:A:VAL:HG23	2:5481:C:THR:HG23	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:249:A:THR:HG21	2:5481:C:THR:HB	13	0.15
(1,1016)	1:249:A:THR:HG22	2:5481:C:THR:HB	13	0.15
(1,1016)	1:249:A:THR:HG23	2:5481:C:THR:HB	13	0.15
(1,1015)	1:249:A:THR:HG21	2:5480:C:PRO:HA	11	0.15
(1,1015)	1:249:A:THR:HG22	2:5480:C:PRO:HA	11	0.15
(1,1015)	1:249:A:THR:HG23	2:5480:C:PRO:HA	11	0.15
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	15	0.15
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	15	0.15
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	15	0.15
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	3	0.15
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	3	0.15
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	3	0.15
(1,1010)	1:248:A:ALA:HB1	2:5480:C:PRO:HB3	15	0.15
(1,1010)	1:248:A:ALA:HB2	2:5480:C:PRO:HB3	15	0.15
(1,1010)	1:248:A:ALA:HB3	2:5480:C:PRO:HB3	15	0.15
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	4	0.15
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	10	0.15
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	13	0.15
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	8	0.15
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	15	0.15
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	10	0.15
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	19	0.15
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	9	0.15
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	14	0.15
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	14	0.15
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	14	0.15
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	7	0.15
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	16	0.15
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	7	0.15
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	8	0.15
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	11	0.15
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	12	0.15
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	14	0.15
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	15	0.15
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	15	0.15
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	3	0.15
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	4	0.15
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	9	0.15
(1,899)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE3	7	0.15
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	4	0.15
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	9	0.15
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	19	0.15
(1,865)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	13	0.15
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	7	0.15
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	9	0.15
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	14	0.15
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	3	0.15
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	10	0.15
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	18	0.15
(1,821)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	13	0.15
(1,817)	2:5481:C:THR:HB	2:5482:C:PRO:HD2	8	0.15
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	11	0.15
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	11	0.15
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	11	0.15
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	19	0.15
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	19	0.15
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	19	0.15
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	7	0.15
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	7	0.15
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	7	0.15
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	14	0.15
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	14	0.15
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	14	0.15
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	15	0.15
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	15	0.15
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	15	0.15
(1,791)	1:217:A:TYR:HE1	1:214:B:ARG:HG2	6	0.15
(1,791)	1:217:A:TYR:HE2	1:214:B:ARG:HG2	6	0.15
(1,782)	1:217:B:TYR:HE1	1:218:A:PHE:HZ	18	0.15
(1,782)	1:217:B:TYR:HE2	1:218:A:PHE:HZ	18	0.15
(1,622)	1:210:A:LEU:HG	1:212:B:LYS:H	4	0.15
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG21	2	0.15
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG23	19	0.15
(1,586)	1:221:A:LEU:HD13	1:217:B:TYR:HE2	12	0.15
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	15	0.15
(1,564)	1:193:A:ALA:HB2	1:196:B:LEU:HD21	7	0.15
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	10	0.15
(1,499)	1:202:A:VAL:HB	1:205:A:LEU:HG	17	0.15
(1,496)	1:202:A:VAL:HG12	1:201:A:LYS:HG3	13	0.15
(1,495)	1:202:A:VAL:HG13	1:201:A:LYS:HD2	12	0.15
(1,468)	1:201:A:LYS:H	1:203:A:LEU:HD22	15	0.15
(1,463)	1:203:A:LEU:HD22	1:204:B:LYS:HB2	20	0.15
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	15	0.15
(1,412)	1:209:A:ASP:H	1:210:A:LEU:HD11	15	0.15
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	11	0.15
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	18	0.15
(1,352)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	15	0.15
(1,309)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	1	0.15
(1,301)	1:241:A:ARG:HB3	1:227:B:ILE:HG23	5	0.15
(1,282)	1:244:A:ASP:HB2	1:227:B:ILE:HD13	16	0.15
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	3	0.15
(1,247)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	8	0.15
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	7	0.15
(1,197)	1:209:A:ASP:HA	1:208:A:GLU:HB2	10	0.15
(1,171)	1:223:A:ASN:HA	1:226:A:LEU:HB3	16	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	5	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	6	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	9	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	11	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	12	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	15	0.15
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	19	0.15
(1,157)	1:235:A:ASN:HA	1:234:A:GLU:HG2	17	0.15
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD21	15	0.15
(1,94)	1:200:A:VAL:HG23	1:197:A:MET:HA	14	0.15
(1,51)	1:221:A:LEU:HD13	1:220:B:LYS:HB2	16	0.15
(1,8)	1:228:A:CYS:HA	1:224:A:ILE:HG23	18	0.15
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD11	8	0.14
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD12	8	0.14
(2,2665)	1:207:B:VAL:HA	1:210:A:LEU:HD13	8	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	3	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	3	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	3	0.14
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	3	0.14
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	3	0.14
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	3	0.14
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	3	0.14
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	3	0.14
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	3	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	14	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	14	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	14	0.14
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	14	0.14
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	14	0.14
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	14	0.14
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	14	0.14
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	14	0.14
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD11	14	0.14
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD12	14	0.14
(2,2653)	1:242:A:ILE:HG21	1:242:B:ILE:HD13	14	0.14
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD11	14	0.14
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD12	14	0.14
(2,2653)	1:242:A:ILE:HG22	1:242:B:ILE:HD13	14	0.14
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD11	14	0.14
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD12	14	0.14
(2,2653)	1:242:A:ILE:HG23	1:242:B:ILE:HD13	14	0.14
(2,2650)	1:227:B:ILE:HD11	1:241:A:ARG:HD2	4	0.14
(2,2650)	1:227:B:ILE:HD12	1:241:A:ARG:HD2	4	0.14
(2,2650)	1:227:B:ILE:HD13	1:241:A:ARG:HD2	4	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	2	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	2	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	2	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	2	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	2	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	2	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	2	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	2	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	2	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	3	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	3	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	3	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	3	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	3	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	3	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	3	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	3	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	3	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	5	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	5	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	5	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	5	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	5	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	5	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	5	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	5	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	14	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	14	0.14
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	14	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	14	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	14	0.14
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	14	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	14	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	14	0.14
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	14	0.14
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD11	1	0.14
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD12	1	0.14
(2,2629)	1:238:B:VAL:HA	1:227:A:ILE:HD13	1	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	4	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	4	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	4	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	4	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	4	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	4	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	4	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	4	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	4	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	7	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	7	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	7	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	7	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	7	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	7	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	7	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	7	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	7	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	9	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	9	0.14
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	9	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	9	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	9	0.14
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	9	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	9	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	9	0.14
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	9	0.14
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	9	0.14
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	9	0.14
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	9	0.14
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	9	0.14
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	9	0.14
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	9	0.14
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	9	0.14
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	9	0.14
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	10	0.14
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	10	0.14
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	10	0.14
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	10	0.14
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	10	0.14
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	10	0.14
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	10	0.14
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	10	0.14
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	10	0.14
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD11	4	0.14
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD12	4	0.14
(2,2610)	1:211:A:GLU:HG2	1:210:B:LEU:HD13	4	0.14
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	18	0.14
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	18	0.14
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	18	0.14
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	18	0.14
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	18	0.14
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	18	0.14
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	18	0.14
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	18	0.14
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	18	0.14
(2,2499)	1:207:A:VAL:HG11	1:206:B:THR:HG21	3	0.14
(2,2499)	1:207:A:VAL:HG13	1:206:B:THR:HG21	4	0.14
(2,2499)	1:207:A:VAL:HG13	1:206:B:THR:HG23	17	0.14
(2,2497)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	8	0.14
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD13	12	0.14
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD13	18	0.14
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	11	0.14
(2,2463)	1:200:A:VAL:HG12	1:199:B:GLN:HG3	9	0.14
(2,2427)	1:245:A:ILE:HD13	1:224:B:ILE:HA	3	0.14
(2,2410)	1:238:A:VAL:HG13	1:231:B:ASN:HD22	7	0.14
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	3	0.14
(2,2356)	1:203:A:LEU:HD23	1:204:B:LYS:HA	12	0.14
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD11	6	0.14
(2,2218)	1:208:A:GLU:H	1:210:A:LEU:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2151)	1:235:A:ASN:HD22	1:240:A:GLN:HG3	1	0.14
(2,2083)	1:257:A:ASP:H	1:257:A:ASP:HB2	19	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	1	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	3	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	4	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	5	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	7	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	9	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	10	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	12	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	13	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	14	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	15	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	16	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	17	0.14
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	19	0.14
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB2	5	0.14
(2,1840)	1:198:A:GLN:HE21	1:194:A:ALA:HB1	7	0.14
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	17	0.14
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB2	12	0.14
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	3	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	1	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	3	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	5	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	7	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	9	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	10	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	13	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	14	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	15	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	16	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	17	0.14
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	18	0.14
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	3	0.14
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	8	0.14
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD13	16	0.14
(2,1632)	1:221:A:LEU:HA	2:5479:C:ILE:HD13	15	0.14
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB1	10	0.14
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB2	10	0.14
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB2	14	0.14
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	20	0.14
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	11	0.14
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB2	5	0.14
(2,1468)	1:198:A:GLN:HG2	1:196:A:LEU:HD23	6	0.14
(2,1388)	1:202:A:VAL:HG13	1:203:A:LEU:H	15	0.14
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	8	0.14
(2,1362)	1:203:A:LEU:HD13	1:202:A:VAL:H	14	0.14
(2,1360)	1:196:A:LEU:H	1:196:A:LEU:HD21	18	0.14
(2,1357)	1:203:A:LEU:HD13	1:204:B:LYS:HD3	19	0.14
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	9	0.14
(2,1353)	1:244:A:ASP:HB3	1:243:A:VAL:HG22	20	0.14
(2,1351)	1:243:A:VAL:HG21	1:242:A:ILE:HD13	10	0.14
(2,1346)	1:203:A:LEU:HD21	1:204:B:LYS:HG3	16	0.14
(2,1345)	1:203:A:LEU:HD21	1:199:A:GLN:HG3	11	0.14
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	8	0.14
(2,1324)	1:204:A:LYS:HB3	1:203:B:LEU:HD21	1	0.14
(2,1299)	1:204:A:LYS:H	1:204:A:LYS:HG2	13	0.14
(2,1236)	1:210:A:LEU:HD11	1:211:B:GLU:HA	16	0.14
(2,1236)	1:210:A:LEU:HD13	1:211:B:GLU:HA	18	0.14
(2,1223)	1:212:A:LYS:H	1:211:A:GLU:HG3	4	0.14
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	5	0.14
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	13	0.14
(2,1195)	1:213:A:GLU:H	1:212:A:LYS:HG3	7	0.14
(2,1181)	1:214:A:ARG:HG3	1:217:B:TYR:HD2	5	0.14
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD22	9	0.14
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD22	10	0.14
(2,1122)	1:227:A:ILE:H	1:227:A:ILE:HD12	19	0.14
(2,994)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	8	0.14
(2,975)	1:239:A:LEU:HG	1:240:A:GLN:HE21	11	0.14
(2,954)	1:238:A:VAL:HG21	1:231:B:ASN:HB3	1	0.14
(2,954)	1:238:A:VAL:HG22	1:231:B:ASN:HB3	7	0.14
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	5	0.14
(2,923)	1:245:A:ILE:HG12	1:227:B:ILE:HG23	13	0.14
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG21	5	0.14
(2,875)	1:249:A:THR:HG23	1:216:B:PHE:HZ	2	0.14
(2,861)	1:252:A:GLY:HA2	1:251:A:GLU:HB2	20	0.14
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG13	8	0.14
(2,847)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	15	0.14
(2,847)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	17	0.14
(2,840)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	8	0.14
(2,816)	1:255:A:ILE:HG23	2:5480:C:PRO:HG2	15	0.14
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	10	0.14
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,805)	1:234:A:GLU:HG3	1:234:A:GLU:H	1	0.14
(2,805)	1:234:A:GLU:HG3	1:234:A:GLU:H	13	0.14
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	4	0.14
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	16	0.14
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	16	0.14
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	19	0.14
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	6	0.14
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	13	0.14
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	8	0.14
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	20	0.14
(2,601)	1:236:A:ASP:H	1:234:A:GLU:HA	5	0.14
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	2	0.14
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	14	0.14
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	16	0.14
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	1	0.14
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	17	0.14
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	11	0.14
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	15	0.14
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	4	0.14
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	14	0.14
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	9	0.14
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	10	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	2	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	5	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	7	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	9	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	10	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	12	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	16	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	18	0.14
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	19	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	2	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	5	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	6	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	7	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	8	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	11	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	14	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	15	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	16	0.14
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	19	0.14
(2,458)	1:211:A:GLU:HA	1:207:A:VAL:HG23	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,447)	1:255:A:ILE:HG21	2:5478:C:LYS:HA	3	0.14
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD22	3	0.14
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD23	17	0.14
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG22	7	0.14
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	7	0.14
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	8	0.14
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG23	20	0.14
(2,225)	1:226:A:LEU:HD11	1:222:A:ARG:HD3	13	0.14
(2,225)	1:226:A:LEU:HD11	1:222:A:ARG:HD3	14	0.14
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD11	6	0.14
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD11	20	0.14
(2,121)	1:246:A:LEU:HD13	1:224:A:ILE:HG23	15	0.14
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	15	0.14
(2,102)	1:206:A:THR:HG23	1:210:A:LEU:HD12	16	0.14
(2,54)	1:210:A:LEU:HD21	1:210:A:LEU:HD11	1	0.14
(2,54)	1:210:A:LEU:HD22	1:210:A:LEU:HD12	4	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	4	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	4	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	4	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	9	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	9	0.14
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	9	0.14
(1,1165)	2:5481:C:THR:HG21	1:253:A:PHE:HE1	13	0.14
(1,1165)	2:5481:C:THR:HG21	1:253:A:PHE:HE2	13	0.14
(1,1165)	2:5481:C:THR:HG22	1:253:A:PHE:HE1	13	0.14
(1,1165)	2:5481:C:THR:HG22	1:253:A:PHE:HE2	13	0.14
(1,1165)	2:5481:C:THR:HG23	1:253:A:PHE:HE1	13	0.14
(1,1165)	2:5481:C:THR:HG23	1:253:A:PHE:HE2	13	0.14
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	14	0.14
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	14	0.14
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	3	0.14
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	3	0.14
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	6	0.14
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	6	0.14
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	10	0.14
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	10	0.14
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	10	0.14
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	10	0.14
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	10	0.14
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	10	0.14
(1,1128)	2:5482:C:PRO:HG2	1:253:A:PHE:HE1	1	0.14
(1,1128)	2:5482:C:PRO:HG2	1:253:A:PHE:HE2	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	2:5482:C:PRO:HG2	1:253:A:PHE:HE1	6	0.14
(1,1128)	2:5482:C:PRO:HG2	1:253:A:PHE:HE2	6	0.14
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG21	4	0.14
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG22	4	0.14
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG23	4	0.14
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG21	4	0.14
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG22	4	0.14
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG23	4	0.14
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	8	0.14
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	8	0.14
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	8	0.14
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	8	0.14
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	8	0.14
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	8	0.14
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	13	0.14
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	13	0.14
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	13	0.14
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	13	0.14
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	13	0.14
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	13	0.14
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	17	0.14
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	17	0.14
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	17	0.14
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	16	0.14
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	16	0.14
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	3	0.14
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	3	0.14
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	3	0.14
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	17	0.14
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	17	0.14
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	17	0.14
(1,1081)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	13	0.14
(1,1081)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	13	0.14
(1,1081)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	13	0.14
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	2	0.14
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	2	0.14
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	2	0.14
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	2	0.14
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	2	0.14
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	2	0.14
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	2	0.14
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	2	0.14
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	2	0.14
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	2	0.14
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	2	0.14
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	10	0.14
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	10	0.14
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	10	0.14
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	20	0.14
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	20	0.14
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	20	0.14
(1,1046)	1:255:A:ILE:HG21	2:5478:C:LYS:HE2	16	0.14
(1,1046)	1:255:A:ILE:HG22	2:5478:C:LYS:HE2	16	0.14
(1,1046)	1:255:A:ILE:HG23	2:5478:C:LYS:HE2	16	0.14
(1,1036)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	3	0.14
(1,1036)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	3	0.14
(1,1036)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	3	0.14
(1,1022)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	8	0.14
(1,1022)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	8	0.14
(1,1022)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	8	0.14
(1,1020)	1:254:A:VAL:HG11	2:5483:C:GLN:HG2	1	0.14
(1,1020)	1:254:A:VAL:HG12	2:5483:C:GLN:HG2	1	0.14
(1,1020)	1:254:A:VAL:HG13	2:5483:C:GLN:HG2	1	0.14
(1,1018)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	1	0.14
(1,1018)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	1	0.14
(1,1018)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	1	0.14
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	19	0.14
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	19	0.14
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	19	0.14
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	9	0.14
(1,992)	2:5485:C:LYS:HG2	2:5485:C:LYS:HA	7	0.14
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	12	0.14
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	16	0.14
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	9	0.14
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	11	0.14
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	1	0.14
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	1	0.14
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	1	0.14
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	2	0.14
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	3	0.14
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	5	0.14
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	2	0.14
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	17	0.14
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	6	0.14
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	17	0.14
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	3	0.14
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	6	0.14
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	15	0.14
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	19	0.14
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	14	0.14
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	2	0.14
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	11	0.14
(1,858)	2:5483:C:GLN:HG2	2:5484:C:ARG:HA	13	0.14
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	8	0.14
(1,842)	2:5482:C:PRO:HG2	2:5482:C:PRO:HD3	1	0.14
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	19	0.14
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	17	0.14
(1,831)	2:5476:C:PRO:HD3	2:5475:C:LYS:HG2	7	0.14
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	10	0.14
(1,824)	2:5476:C:PRO:HB2	2:5476:C:PRO:HD2	10	0.14
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	6	0.14
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	6	0.14
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	6	0.14
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	6	0.14
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	6	0.14
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	6	0.14
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	6	0.14
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	6	0.14
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	6	0.14
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	11	0.14
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	11	0.14
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	11	0.14
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	11	0.14
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	11	0.14
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	11	0.14
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	11	0.14
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	11	0.14
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	11	0.14
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	18	0.14
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	18	0.14
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	18	0.14
(1,793)	1:217:A:TYR:HE1	1:214:B:ARG:HD3	18	0.14
(1,793)	1:217:A:TYR:HE2	1:214:B:ARG:HD3	18	0.14
(1,792)	1:217:A:TYR:HE1	1:214:B:ARG:HD2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:217:A:TYR:HE2	1:214:B:ARG:HD2	5	0.14
(1,783)	1:217:A:TYR:HE1	1:218:B:PHE:HZ	5	0.14
(1,783)	1:217:A:TYR:HE2	1:218:B:PHE:HZ	5	0.14
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	2	0.14
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	2	0.14
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	2	0.14
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	2	0.14
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	6	0.14
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	6	0.14
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	6	0.14
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	6	0.14
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	12	0.14
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	12	0.14
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	12	0.14
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	12	0.14
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD23	16	0.14
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG21	13	0.14
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG21	17	0.14
(1,551)	1:196:A:LEU:HD12	1:199:B:GLN:H	1	0.14
(1,549)	1:196:A:LEU:HD11	1:194:B:ALA:H	10	0.14
(1,549)	1:196:A:LEU:HD13	1:194:B:ALA:H	17	0.14
(1,549)	1:196:A:LEU:HD12	1:194:B:ALA:H	19	0.14
(1,522)	1:198:A:GLN:H	1:200:A:VAL:HG23	20	0.14
(1,510)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	13	0.14
(1,432)	1:200:A:VAL:HG13	1:202:A:VAL:H	15	0.14
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	9	0.14
(1,390)	1:221:A:LEU:HD22	1:220:B:LYS:HA	20	0.14
(1,361)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	8	0.14
(1,352)	1:208:A:GLU:HG3	1:212:A:LYS:HD2	20	0.14
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	4	0.14
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	20	0.14
(1,309)	1:239:A:LEU:HD23	1:236:A:ASP:HB2	11	0.14
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	18	0.14
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	19	0.14
(1,271)	1:246:A:LEU:H	1:245:A:ILE:HD13	19	0.14
(1,262)	1:245:A:ILE:H	1:246:A:LEU:HD23	20	0.14
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD13	1	0.14
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD13	10	0.14
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD12	12	0.14
(1,256)	1:245:A:ILE:H	1:246:A:LEU:HD12	20	0.14
(1,246)	1:255:A:ILE:HG23	2:5478:C:LYS:HG2	8	0.14
(1,233)	1:254:A:VAL:HG22	2:5483:C:GLN:HB3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:254:A:VAL:HG23	2:5483:C:GLN:HB3	17	0.14
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	9	0.14
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	5	0.14
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	10	0.14
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	17	0.14
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	2	0.14
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	10	0.14
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	13	0.14
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	20	0.14
(1,132)	1:244:A:ASP:HA	1:246:A:LEU:H	16	0.14
(1,95)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	12	0.14
(1,87)	1:202:A:VAL:HG21	1:201:A:LYS:HB3	7	0.14
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	8	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	8	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	8	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	8	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	8	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	8	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	8	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	8	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	8	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	12	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	12	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	12	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	12	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	12	0.13
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	12	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	12	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	12	0.13
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	12	0.13
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG21	11	0.13
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG22	11	0.13
(2,2639)	1:231:B:ASN:HB2	1:238:A:VAL:HG23	11	0.13
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	1	0.13
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	1	0.13
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	1	0.13
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	1	0.13
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	1	0.13
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	1	0.13
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	1	0.13
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	1	0.13
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	14	0.13
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	14	0.13
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	14	0.13
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	14	0.13
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	14	0.13
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	14	0.13
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	14	0.13
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	14	0.13
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	14	0.13
(2,2611)	1:211:A:GLU:HG3	1:210:B:LEU:HD11	20	0.13
(2,2611)	1:211:A:GLU:HG3	1:210:B:LEU:HD12	20	0.13
(2,2611)	1:211:A:GLU:HG3	1:210:B:LEU:HD13	20	0.13
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	6	0.13
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	6	0.13
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	6	0.13
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	6	0.13
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	6	0.13
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	6	0.13
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	6	0.13
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	6	0.13
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	6	0.13
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	17	0.13
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	17	0.13
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	17	0.13
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	17	0.13
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	17	0.13
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	17	0.13
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	17	0.13
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	17	0.13
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	17	0.13
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	5	0.13
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	5	0.13
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	5	0.13
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	17	0.13
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	17	0.13
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	17	0.13
(2,2499)	1:207:A:VAL:HG13	1:206:B:THR:HG21	9	0.13
(2,2497)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	19	0.13
(2,2495)	1:197:A:MET:HE1	1:196:B:LEU:HD12	15	0.13
(2,2463)	1:200:A:VAL:HG11	1:199:B:GLN:HG3	13	0.13
(2,2460)	1:248:A:ALA:HB2	1:220:B:LYS:HE3	13	0.13
(2,2427)	1:245:A:ILE:HD13	1:224:B:ILE:HA	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2427)	1:245:A:ILE:HD13	1:224:B:ILE:HA	17	0.13
(2,2373)	1:210:A:LEU:HD23	1:207:B:VAL:HA	8	0.13
(2,2372)	1:210:A:LEU:HD13	1:211:B:GLU:HA	15	0.13
(2,2366)	1:207:A:VAL:HG13	1:203:B:LEU:HG	19	0.13
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	15	0.13
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG11	1	0.13
(2,2351)	1:199:A:GLN:HG3	1:200:B:VAL:HG13	17	0.13
(2,2091)	1:259:A:GLY:H	1:259:A:GLY:HA3	12	0.13
(2,2034)	1:244:A:ASP:H	1:244:A:ASP:HB3	14	0.13
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	2	0.13
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	6	0.13
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	8	0.13
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	11	0.13
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	18	0.13
(2,1990)	1:235:A:ASN:HD21	1:235:A:ASN:HD22	20	0.13
(2,1985)	1:235:A:ASN:H	1:235:A:ASN:HB3	17	0.13
(2,1943)	1:223:A:ASN:HD22	1:226:A:LEU:HD13	2	0.13
(2,1853)	1:201:A:LYS:H	1:201:A:LYS:HB2	4	0.13
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	16	0.13
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	4	0.13
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	11	0.13
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB3	4	0.13
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB3	13	0.13
(2,1784)	1:255:A:ILE:HG23	1:249:A:THR:HB	13	0.13
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	2	0.13
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	4	0.13
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	6	0.13
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	8	0.13
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	11	0.13
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	16	0.13
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	17	0.13
(2,1778)	1:258:A:GLU:HG3	1:258:A:GLU:HB3	4	0.13
(2,1767)	1:206:A:THR:HB	1:210:A:LEU:HD12	18	0.13
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	1	0.13
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	16	0.13
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD12	20	0.13
(2,1658)	1:198:A:GLN:HE21	1:201:A:LYS:HE2	8	0.13
(2,1657)	1:197:A:MET:HE3	1:197:A:MET:H	18	0.13
(2,1576)	1:199:A:GLN:HA	1:203:A:LEU:H	12	0.13
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	12	0.13
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	18	0.13
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	16	0.13
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB3	3	0.13
(2,1466)	1:201:A:LYS:HD2	1:198:A:GLN:HG2	6	0.13
(2,1415)	1:201:A:LYS:HD2	1:200:A:VAL:H	4	0.13
(2,1410)	1:201:A:LYS:H	1:201:A:LYS:HG2	3	0.13
(2,1388)	1:202:A:VAL:HG13	1:203:A:LEU:H	12	0.13
(2,1380)	1:202:A:VAL:HG11	1:201:A:LYS:HA	10	0.13
(2,1380)	1:202:A:VAL:HG12	1:201:A:LYS:HA	18	0.13
(2,1368)	1:202:A:VAL:HG21	1:199:A:GLN:HG3	2	0.13
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	12	0.13
(2,1236)	1:210:A:LEU:HD11	1:211:B:GLU:HA	19	0.13
(2,1223)	1:212:A:LYS:H	1:211:A:GLU:HG3	7	0.13
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	4	0.13
(2,1197)	1:209:A:ASP:HA	1:212:A:LYS:HG3	8	0.13
(2,1196)	1:212:A:LYS:H	1:212:A:LYS:HG3	8	0.13
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD23	1	0.13
(2,1135)	1:226:A:LEU:HD13	2:5475:C:LYS:HG2	10	0.13
(2,1123)	1:231:A:ASN:HD22	1:227:A:ILE:HD13	17	0.13
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG23	13	0.13
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD22	18	0.13
(2,994)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	11	0.13
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	13	0.13
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD13	18	0.13
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	1	0.13
(2,887)	1:246:A:LEU:HD22	1:222:A:ARG:HA	15	0.13
(2,876)	1:249:A:THR:HG22	1:216:B:PHE:HE2	4	0.13
(2,870)	1:249:A:THR:HG23	1:251:A:GLU:H	3	0.13
(2,870)	1:249:A:THR:HG22	1:251:A:GLU:H	8	0.13
(2,870)	1:249:A:THR:HG23	1:251:A:GLU:H	15	0.13
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	5	0.13
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	19	0.13
(2,833)	1:255:A:ILE:HD11	2:5480:C:PRO:HB2	6	0.13
(2,804)	1:234:A:GLU:HG3	1:235:A:ASN:H	17	0.13
(2,795)	1:256:A:PRO:HG2	2:5481:C:THR:H	4	0.13
(2,757)	1:205:A:LEU:HA	1:208:A:GLU:HB2	1	0.13
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	3	0.13
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	19	0.13
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	4	0.13
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	19	0.13
(2,692)	1:213:A:GLU:HA	1:214:B:ARG:HG2	19	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	1	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	6	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	7	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	10	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	11	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	15	0.13
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	19	0.13
(2,601)	1:236:A:ASP:H	1:234:A:GLU:HA	19	0.13
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	7	0.13
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	13	0.13
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	7	0.13
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	19	0.13
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	20	0.13
(2,556)	1:241:A:ARG:HD2	1:241:A:ARG:HA	8	0.13
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	2	0.13
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	5	0.13
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	8	0.13
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	11	0.13
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	18	0.13
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	1	0.13
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	6	0.13
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	8	0.13
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	11	0.13
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	13	0.13
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	20	0.13
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	12	0.13
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	15	0.13
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	1	0.13
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	9	0.13
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	10	0.13
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	17	0.13
(2,431)	1:193:A:ALA:HB1	1:196:B:LEU:HD23	19	0.13
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	9	0.13
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	13	0.13
(2,367)	1:207:A:VAL:HG21	1:206:B:THR:HG21	14	0.13
(2,366)	1:204:A:LYS:HD3	1:200:A:VAL:HG21	10	0.13
(2,353)	1:204:A:LYS:HD2	1:203:A:LEU:HD12	5	0.13
(2,333)	1:243:A:VAL:HG21	1:247:A:TYR:HE2	20	0.13
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	10	0.13
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	8	0.13
(2,276)	1:200:A:VAL:HG12	1:196:B:LEU:HB2	19	0.13
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	11	0.13
(2,191)	1:238:A:VAL:HB	1:239:B:LEU:HD23	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD13	1	0.13
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG23	8	0.13
(2,121)	1:246:A:LEU:HD13	1:224:A:ILE:HG23	13	0.13
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	7	0.13
(2,112)	1:206:A:THR:HG22	1:206:A:THR:HB	8	0.13
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	10	0.13
(2,112)	1:206:A:THR:HG21	1:206:A:THR:HB	18	0.13
(2,112)	1:206:A:THR:HG23	1:206:A:THR:HB	20	0.13
(2,102)	1:206:A:THR:HG21	1:210:A:LEU:HD11	2	0.13
(2,67)	1:242:A:ILE:HD13	1:224:B:ILE:HA	7	0.13
(2,67)	1:242:A:ILE:HD13	1:224:B:ILE:HA	20	0.13
(2,55)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	4	0.13
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	2	0.13
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	2	0.13
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	14	0.13
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	14	0.13
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	16	0.13
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	16	0.13
(1,1138)	1:217:B:TYR:HD1	2:5481:C:THR:HG21	18	0.13
(1,1138)	1:217:B:TYR:HD1	2:5481:C:THR:HG22	18	0.13
(1,1138)	1:217:B:TYR:HD1	2:5481:C:THR:HG23	18	0.13
(1,1138)	1:217:B:TYR:HD2	2:5481:C:THR:HG21	18	0.13
(1,1138)	1:217:B:TYR:HD2	2:5481:C:THR:HG22	18	0.13
(1,1138)	1:217:B:TYR:HD2	2:5481:C:THR:HG23	18	0.13
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG21	14	0.13
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG22	14	0.13
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG23	14	0.13
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG21	14	0.13
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG22	14	0.13
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG23	14	0.13
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE1	16	0.13
(1,1125)	2:5479:C:ILE:HG21	1:218:A:PHE:HE2	16	0.13
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE1	16	0.13
(1,1125)	2:5479:C:ILE:HG22	1:218:A:PHE:HE2	16	0.13
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE1	16	0.13
(1,1125)	2:5479:C:ILE:HG23	1:218:A:PHE:HE2	16	0.13
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG21	13	0.13
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG22	13	0.13
(1,1123)	1:217:B:TYR:HE1	2:5479:C:ILE:HG23	13	0.13
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG21	13	0.13
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG22	13	0.13
(1,1123)	1:217:B:TYR:HE2	2:5479:C:ILE:HG23	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	17	0.13
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	17	0.13
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	17	0.13
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	5	0.13
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	5	0.13
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	5	0.13
(1,1090)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	13	0.13
(1,1090)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	13	0.13
(1,1090)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	13	0.13
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	1	0.13
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	1	0.13
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	1	0.13
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	7	0.13
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	7	0.13
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	7	0.13
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG21	13	0.13
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG22	13	0.13
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG23	13	0.13
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG21	13	0.13
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG22	13	0.13
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG23	13	0.13
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG21	13	0.13
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG22	13	0.13
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG23	13	0.13
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	18	0.13
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	18	0.13
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	18	0.13
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	18	0.13
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	18	0.13
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	18	0.13
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	18	0.13
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	18	0.13
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	18	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG21	14	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG22	14	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG23	14	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG21	14	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG22	14	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG23	14	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG21	14	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG22	14	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG23	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG21	19	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG22	19	0.13
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG23	19	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG21	19	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG22	19	0.13
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG23	19	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG21	19	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG22	19	0.13
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG23	19	0.13
(1,1052)	1:256:A:PRO:HD2	2:5478:C:LYS:HA	15	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	2	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	2	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	2	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	16	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	16	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	16	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	18	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	18	0.13
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	18	0.13
(1,1049)	1:256:A:PRO:HB2	2:5478:C:LYS:HA	11	0.13
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	2	0.13
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	2	0.13
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	2	0.13
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD11	9	0.13
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD12	9	0.13
(1,1037)	2:5480:C:PRO:HA	1:255:A:ILE:HD13	9	0.13
(1,1036)	1:255:A:ILE:HD11	2:5478:C:LYS:HE2	16	0.13
(1,1036)	1:255:A:ILE:HD12	2:5478:C:LYS:HE2	16	0.13
(1,1036)	1:255:A:ILE:HD13	2:5478:C:LYS:HE2	16	0.13
(1,1033)	1:255:A:ILE:HD11	2:5478:C:LYS:HB2	13	0.13
(1,1033)	1:255:A:ILE:HD12	2:5478:C:LYS:HB2	13	0.13
(1,1033)	1:255:A:ILE:HD13	2:5478:C:LYS:HB2	13	0.13
(1,1014)	1:249:A:THR:HG21	2:5480:C:PRO:HG2	18	0.13
(1,1014)	1:249:A:THR:HG22	2:5480:C:PRO:HG2	18	0.13
(1,1014)	1:249:A:THR:HG23	2:5480:C:PRO:HG2	18	0.13
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	6	0.13
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	6	0.13
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	6	0.13
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	12	0.13
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	18	0.13
(1,993)	2:5475:C:LYS:HA	2:5475:C:LYS:HD3	9	0.13
(1,969)	2:5476:C:PRO:HG2	2:5475:C:LYS:HE2	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	2:5475:C:LYS:HA	2:5475:C:LYS:HG2	11	0.13
(1,964)	2:5476:C:PRO:HD2	2:5475:C:LYS:HA	19	0.13
(1,962)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	13	0.13
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	19	0.13
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	8	0.13
(1,955)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	14	0.13
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	4	0.13
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	6	0.13
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	9	0.13
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	17	0.13
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	4	0.13
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	6	0.13
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	13	0.13
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	19	0.13
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	4	0.13
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	7	0.13
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	11	0.13
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	8	0.13
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	20	0.13
(1,877)	2:5482:C:PRO:HB2	2:5481:C:THR:HA	16	0.13
(1,875)	2:5482:C:PRO:HG2	2:5481:C:THR:HA	13	0.13
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	4	0.13
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	11	0.13
(1,851)	2:5484:C:ARG:HB2	2:5484:C:ARG:HD2	18	0.13
(1,838)	2:5482:C:PRO:HG3	2:5481:C:THR:HB	11	0.13
(1,834)	2:5482:C:PRO:HG3	2:5482:C:PRO:HD2	5	0.13
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	6	0.13
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	19	0.13
(1,824)	2:5476:C:PRO:HB2	2:5476:C:PRO:HD2	7	0.13
(1,824)	2:5476:C:PRO:HB2	2:5476:C:PRO:HD2	9	0.13
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	14	0.13
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	14	0.13
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	14	0.13
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	14	0.13
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	14	0.13
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	14	0.13
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	14	0.13
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	14	0.13
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	14	0.13
(1,811)	2:5483:C:GLN:HG2	2:5483:C:GLN:HA	20	0.13
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	13	0.13
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	13	0.13
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	4	0.13
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	4	0.13
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	4	0.13
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	18	0.13
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	18	0.13
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	18	0.13
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	19	0.13
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	19	0.13
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	19	0.13
(1,792)	1:217:A:TYR:HE1	1:214:B:ARG:HD2	11	0.13
(1,792)	1:217:A:TYR:HE2	1:214:B:ARG:HD2	11	0.13
(1,786)	1:221:B:LEU:HD21	1:217:A:TYR:HE1	13	0.13
(1,786)	1:221:B:LEU:HD21	1:217:A:TYR:HE2	13	0.13
(1,786)	1:221:B:LEU:HD22	1:217:A:TYR:HE1	13	0.13
(1,786)	1:221:B:LEU:HD22	1:217:A:TYR:HE2	13	0.13
(1,786)	1:221:B:LEU:HD23	1:217:A:TYR:HE1	13	0.13
(1,786)	1:221:B:LEU:HD23	1:217:A:TYR:HE2	13	0.13
(1,783)	1:217:A:TYR:HE1	1:218:B:PHE:HZ	12	0.13
(1,783)	1:217:A:TYR:HE2	1:218:B:PHE:HZ	12	0.13
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD1	9	0.13
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD2	9	0.13
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD1	9	0.13
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD2	9	0.13
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	13	0.13
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	13	0.13
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	13	0.13
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	13	0.13
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	19	0.13
(1,734)	1:231:A:ASN:HD22	1:229:A:GLN:HB3	12	0.13
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD22	19	0.13
(1,630)	1:236:A:ASP:HB3	1:238:A:VAL:HB	3	0.13
(1,630)	1:236:A:ASP:HB3	1:238:A:VAL:HB	16	0.13
(1,611)	1:223:A:ASN:HA	1:242:B:ILE:HG22	18	0.13
(1,564)	1:193:A:ALA:HB1	1:196:B:LEU:HD21	1	0.13
(1,549)	1:196:A:LEU:HD11	1:194:B:ALA:H	7	0.13
(1,544)	1:196:A:LEU:HD11	1:197:B:MET:HG3	16	0.13
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG23	13	0.13
(1,506)	1:201:A:LYS:HA	1:201:A:LYS:HB2	9	0.13
(1,506)	1:201:A:LYS:HA	1:201:A:LYS:HB2	12	0.13
(1,506)	1:201:A:LYS:HA	1:201:A:LYS:HB2	13	0.13
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:203:A:LEU:HD21	1:204:B:LYS:HB2	18	0.13
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	20	0.13
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	4	0.13
(1,424)	1:200:A:VAL:HG13	1:204:A:LYS:HE3	16	0.13
(1,399)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	8	0.13
(1,393)	1:221:A:LEU:HD13	1:220:B:LYS:HA	13	0.13
(1,380)	1:223:A:ASN:H	1:224:A:ILE:HG22	13	0.13
(1,373)	1:226:A:LEU:HD12	2:5476:C:PRO:HD2	6	0.13
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG11	6	0.13
(1,336)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	14	0.13
(1,320)	1:239:A:LEU:HB3	1:236:A:ASP:HB3	16	0.13
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD13	18	0.13
(1,241)	1:254:A:VAL:HG12	2:5483:C:GLN:HE22	14	0.13
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	7	0.13
(1,233)	1:254:A:VAL:HG21	2:5483:C:GLN:HB3	14	0.13
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG21	9	0.13
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG23	13	0.13
(1,203)	1:202:A:VAL:HA	1:203:A:LEU:HA	19	0.13
(1,200)	1:202:A:VAL:HA	1:201:A:LYS:HB2	14	0.13
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD12	20	0.13
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	1	0.13
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	8	0.13
(1,157)	1:235:A:ASN:HA	1:240:A:GLN:HG2	12	0.13
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD21	8	0.13
(1,132)	1:244:A:ASP:HA	1:246:A:LEU:H	18	0.13
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD23	6	0.13
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	4	0.12
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	4	0.12
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	4	0.12
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	4	0.12
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	4	0.12
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	4	0.12
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	4	0.12
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	4	0.12
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	4	0.12
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	5	0.12
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	5	0.12
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	5	0.12
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	5	0.12
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	5	0.12
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	5	0.12
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	5	0.12
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	5	0.12
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	9	0.12
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	9	0.12
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	9	0.12
(2,2651)	1:227:B:ILE:HD11	1:241:A:ARG:HD3	11	0.12
(2,2651)	1:227:B:ILE:HD12	1:241:A:ARG:HD3	11	0.12
(2,2651)	1:227:B:ILE:HD13	1:241:A:ARG:HD3	11	0.12
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	6	0.12
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	6	0.12
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	6	0.12
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	6	0.12
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	6	0.12
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	6	0.12
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	6	0.12
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	6	0.12
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	6	0.12
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	8	0.12
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	8	0.12
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	8	0.12
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	8	0.12
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	8	0.12
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	8	0.12
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	8	0.12
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	8	0.12
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	8	0.12
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG21	13	0.12
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG22	13	0.12
(2,2619)	1:224:A:ILE:HG21	1:224:B:ILE:HG23	13	0.12
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG21	13	0.12
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG22	13	0.12
(2,2619)	1:224:A:ILE:HG22	1:224:B:ILE:HG23	13	0.12
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG21	13	0.12
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG22	13	0.12
(2,2619)	1:224:A:ILE:HG23	1:224:B:ILE:HG23	13	0.12
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD11	20	0.12
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD12	20	0.12
(2,2612)	1:221:B:LEU:HD21	1:221:A:LEU:HD13	20	0.12
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD11	20	0.12
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD12	20	0.12
(2,2612)	1:221:B:LEU:HD22	1:221:A:LEU:HD13	20	0.12
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD11	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD12	20	0.12
(2,2612)	1:221:B:LEU:HD23	1:221:A:LEU:HD13	20	0.12
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG21	10	0.12
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG22	10	0.12
(2,2608)	1:210:A:LEU:HD21	1:207:B:VAL:HG23	10	0.12
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG21	10	0.12
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG22	10	0.12
(2,2608)	1:210:A:LEU:HD22	1:207:B:VAL:HG23	10	0.12
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG21	10	0.12
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG22	10	0.12
(2,2608)	1:210:A:LEU:HD23	1:207:B:VAL:HG23	10	0.12
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	11	0.12
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	11	0.12
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	11	0.12
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	11	0.12
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	11	0.12
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	11	0.12
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	11	0.12
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	11	0.12
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	11	0.12
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD21	7	0.12
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD22	7	0.12
(2,2602)	1:200:A:VAL:HG11	1:196:B:LEU:HD23	7	0.12
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD21	7	0.12
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD22	7	0.12
(2,2602)	1:200:A:VAL:HG12	1:196:B:LEU:HD23	7	0.12
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD21	7	0.12
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD22	7	0.12
(2,2602)	1:200:A:VAL:HG13	1:196:B:LEU:HD23	7	0.12
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD11	14	0.12
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD12	14	0.12
(2,2599)	1:197:A:MET:HG2	1:196:B:LEU:HD13	14	0.12
(2,2539)	1:238:A:VAL:HG12	1:227:B:ILE:HG22	11	0.12
(2,2495)	1:197:A:MET:HE3	1:196:B:LEU:HD12	6	0.12
(2,2495)	1:197:A:MET:HE3	1:196:B:LEU:HD12	9	0.12
(2,2495)	1:197:A:MET:HE3	1:196:B:LEU:HD12	20	0.12
(2,2466)	1:220:A:LYS:HE3	1:245:B:ILE:HG23	20	0.12
(2,2464)	1:220:A:LYS:HE2	1:248:B:ALA:H	9	0.12
(2,2463)	1:200:A:VAL:HG13	1:199:B:GLN:HG3	8	0.12
(2,2459)	1:221:A:LEU:HD21	1:217:B:TYR:HB2	1	0.12
(2,2437)	1:245:A:ILE:HG23	1:220:B:LYS:HG2	4	0.12
(2,2427)	1:245:A:ILE:HD11	1:224:B:ILE:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD13	15	0.12
(2,2365)	1:207:A:VAL:HG21	1:203:B:LEU:HG	4	0.12
(2,2357)	1:204:A:LYS:HA	1:203:B:LEU:HG	15	0.12
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	5	0.12
(2,2083)	1:257:A:ASP:H	1:257:A:ASP:HB2	15	0.12
(2,2057)	1:249:A:THR:H	1:255:A:ILE:HG13	20	0.12
(2,2020)	1:240:A:GLN:HE21	1:244:A:ASP:H	4	0.12
(2,2020)	1:240:A:GLN:HE21	1:244:A:ASP:H	12	0.12
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	3	0.12
(2,2003)	1:238:A:VAL:H	1:238:A:VAL:HG21	9	0.12
(2,1890)	1:210:A:LEU:H	1:205:A:LEU:HB2	18	0.12
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD23	9	0.12
(2,1846)	1:199:A:GLN:HE22	1:196:A:LEU:HD21	15	0.12
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	15	0.12
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	1	0.12
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	8	0.12
(2,1805)	1:194:A:ALA:H	1:193:A:ALA:HB2	16	0.12
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB2	7	0.12
(2,1800)	1:193:A:ALA:H	1:193:A:ALA:HB2	18	0.12
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	5	0.12
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	9	0.12
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	14	0.12
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	12	0.12
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	7	0.12
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD12	2	0.12
(2,1622)	1:254:A:VAL:HG21	1:255:A:ILE:HA	6	0.12
(2,1614)	1:249:A:THR:HA	2:5480:C:PRO:HG2	1	0.12
(2,1601)	1:232:A:GLU:HB3	1:233:A:GLY:HA3	13	0.12
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	8	0.12
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	11	0.12
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	17	0.12
(2,1540)	1:195:A:GLU:HG3	1:194:A:ALA:HB3	16	0.12
(2,1500)	1:197:A:MET:HB3	1:194:A:ALA:HB3	7	0.12
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	13	0.12
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	9	0.12
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	11	0.12
(2,1484)	1:200:A:VAL:H	1:198:A:GLN:HA	19	0.12
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	3	0.12
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	12	0.12
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	13	0.12
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	14	0.12
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:201:A:LYS:HG2	1:198:A:GLN:HB2	3	0.12
(2,1380)	1:202:A:VAL:HG11	1:201:A:LYS:HA	1	0.12
(2,1380)	1:202:A:VAL:HG11	1:201:A:LYS:HA	5	0.12
(2,1380)	1:202:A:VAL:HG11	1:201:A:LYS:HA	6	0.12
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG22	20	0.12
(2,1358)	1:196:A:LEU:HD23	1:193:B:ALA:HB2	4	0.12
(2,1357)	1:203:A:LEU:HD12	1:204:B:LYS:HD3	14	0.12
(2,1357)	1:203:A:LEU:HD11	1:204:B:LYS:HD3	17	0.12
(2,1354)	1:196:A:LEU:HD23	1:197:B:MET:HG2	4	0.12
(2,1354)	1:196:A:LEU:HD21	1:197:B:MET:HG2	5	0.12
(2,1351)	1:243:A:VAL:HG23	1:242:A:ILE:HD12	9	0.12
(2,1270)	1:204:A:LYS:HG3	1:203:B:LEU:HD22	4	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	2	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	9	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	10	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	11	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	15	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	16	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	18	0.12
(2,1214)	1:212:A:LYS:H	1:212:A:LYS:HD2	20	0.12
(2,1171)	1:221:A:LEU:HD13	1:217:B:TYR:HB2	14	0.12
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD22	7	0.12
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD21	18	0.12
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD23	20	0.12
(2,1126)	1:229:A:GLN:HG3	1:226:A:LEU:HD22	13	0.12
(2,1074)	1:231:A:ASN:HB3	1:228:A:CYS:HA	16	0.12
(2,1074)	1:231:A:ASN:HB3	1:228:A:CYS:HA	20	0.12
(2,1023)	1:237:A:PRO:HA	1:238:A:VAL:HG12	4	0.12
(2,1011)	1:241:A:ARG:HD2	1:238:A:VAL:HG22	16	0.12
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	9	0.12
(2,983)	1:240:A:GLN:H	1:240:A:GLN:HG3	11	0.12
(2,954)	1:238:A:VAL:HG22	1:231:B:ASN:HB3	10	0.12
(2,896)	1:246:A:LEU:HD11	1:242:A:ILE:HG12	8	0.12
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	9	0.12
(2,896)	1:246:A:LEU:HD12	1:242:A:ILE:HG12	10	0.12
(2,871)	1:206:A:THR:HG23	1:207:A:VAL:H	7	0.12
(2,863)	1:252:A:GLY:H	1:251:A:GLU:HB2	12	0.12
(2,848)	1:257:A:ASP:H	1:254:A:VAL:HG12	10	0.12
(2,844)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	10	0.12
(2,833)	1:255:A:ILE:HD12	2:5480:C:PRO:HB2	16	0.12
(2,822)	1:255:A:ILE:H	1:255:A:ILE:HG21	18	0.12
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	11	0.12
(2,795)	1:256:A:PRO:HG2	2:5481:C:THR:H	19	0.12
(2,790)	1:256:A:PRO:HG2	2:5478:C:LYS:HB3	20	0.12
(2,767)	1:207:A:VAL:HA	1:204:A:LYS:HA	6	0.12
(2,761)	1:204:A:LYS:H	1:205:A:LEU:HA	15	0.12
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	4	0.12
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	9	0.12
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	12	0.12
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	17	0.12
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	11	0.12
(2,709)	1:209:A:ASP:HA	1:206:A:THR:HA	14	0.12
(2,622)	1:227:A:ILE:HA	1:230:A:GLU:HB2	5	0.12
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	2	0.12
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	9	0.12
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	14	0.12
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	11	0.12
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	20	0.12
(2,601)	1:236:A:ASP:H	1:234:A:GLU:HA	12	0.12
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	11	0.12
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	12	0.12
(2,572)	1:240:A:GLN:HA	1:237:A:PRO:HA	5	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	2	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	9	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	12	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	13	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	16	0.12
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	17	0.12
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	10	0.12
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	17	0.12
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	18	0.12
(2,499)	1:257:A:ASP:HA	1:256:A:PRO:HA	12	0.12
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	14	0.12
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG22	3	0.12
(2,488)	1:230:A:GLU:HG3	1:231:A:ASN:H	5	0.12
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	8	0.12
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	11	0.12
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	17	0.12
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	19	0.12
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	18	0.12
(2,449)	1:224:A:ILE:HG23	1:221:A:LEU:HD12	16	0.12
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	12	0.12
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	20	0.12
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	9	0.12
(2,299)	1:207:A:VAL:HG22	1:204:A:LYS:HE2	11	0.12
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG22	16	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD12	5	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD13	7	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD11	10	0.12
(2,147)	1:238:A:VAL:HG22	1:239:A:LEU:HD11	11	0.12
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD11	12	0.12
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD11	16	0.12
(2,147)	1:238:A:VAL:HG22	1:239:A:LEU:HD13	18	0.12
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD11	19	0.12
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG23	2	0.12
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG23	5	0.12
(2,121)	1:246:A:LEU:HD11	1:224:A:ILE:HG23	19	0.12
(2,104)	1:254:A:VAL:HG12	1:249:A:THR:HG21	5	0.12
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	4	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	11	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	11	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	11	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	11	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	11	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	11	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	18	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	18	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	18	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	18	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	18	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	18	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	19	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	19	0.12
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	19	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	19	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	19	0.12
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	19	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	11	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	11	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	11	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	11	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	11	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	11	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	17	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	17	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	17	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	17	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	17	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG21	20	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG22	20	0.12
(1,1182)	1:247:A:TYR:HE1	2:5479:C:ILE:HG23	20	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG21	20	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG22	20	0.12
(1,1182)	1:247:A:TYR:HE2	2:5479:C:ILE:HG23	20	0.12
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	19	0.12
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	19	0.12
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	19	0.12
(1,1160)	1:218:A:PHE:HE1	2:5477:C:SER:HB2	15	0.12
(1,1160)	1:218:A:PHE:HE2	2:5477:C:SER:HB2	15	0.12
(1,1146)	1:217:B:TYR:HD1	2:5479:C:ILE:HB	19	0.12
(1,1146)	1:217:B:TYR:HD2	2:5479:C:ILE:HB	19	0.12
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	11	0.12
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	11	0.12
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE1	18	0.12
(1,1145)	2:5482:C:PRO:HG3	1:253:A:PHE:HE2	18	0.12
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	7	0.12
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	7	0.12
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	9	0.12
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	9	0.12
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE1	6	0.12
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE2	6	0.12
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE1	18	0.12
(1,1140)	2:5482:C:PRO:HB3	1:253:A:PHE:HE2	18	0.12
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	17	0.12
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	17	0.12
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	17	0.12
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	17	0.12
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	17	0.12
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	17	0.12
(1,1130)	1:247:A:TYR:HE1	2:5478:C:LYS:HB2	5	0.12
(1,1130)	1:247:A:TYR:HE2	2:5478:C:LYS:HB2	5	0.12
(1,1130)	1:247:A:TYR:HE1	2:5478:C:LYS:HB2	11	0.12
(1,1130)	1:247:A:TYR:HE2	2:5478:C:LYS:HB2	11	0.12
(1,1122)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	2	0.12
(1,1122)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	2	0.12
(1,1122)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	14	0.12
(1,1122)	1:254:A:VAL:HG12	2:5483:C:GLN:HA	14	0.12
(1,1122)	1:254:A:VAL:HG13	2:5483:C:GLN:HA	14	0.12
(1,1118)	1:254:A:VAL:HG21	2:5483:C:GLN:HB2	13	0.12
(1,1118)	1:254:A:VAL:HG22	2:5483:C:GLN:HB2	13	0.12
(1,1118)	1:254:A:VAL:HG23	2:5483:C:GLN:HB2	13	0.12
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	16	0.12
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	16	0.12
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	16	0.12
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	2	0.12
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	2	0.12
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	2	0.12
(1,1081)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	5	0.12
(1,1081)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	5	0.12
(1,1081)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	5	0.12
(1,1081)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	11	0.12
(1,1081)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	11	0.12
(1,1081)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	11	0.12
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG21	3	0.12
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG22	3	0.12
(1,1080)	1:221:A:LEU:HD11	2:5479:C:ILE:HG23	3	0.12
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG21	3	0.12
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG22	3	0.12
(1,1080)	1:221:A:LEU:HD12	2:5479:C:ILE:HG23	3	0.12
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG21	3	0.12
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG22	3	0.12
(1,1080)	1:221:A:LEU:HD13	2:5479:C:ILE:HG23	3	0.12
(1,1079)	1:254:A:VAL:HG11	2:5483:C:GLN:H	5	0.12
(1,1079)	1:254:A:VAL:HG12	2:5483:C:GLN:H	5	0.12
(1,1079)	1:254:A:VAL:HG13	2:5483:C:GLN:H	5	0.12
(1,1074)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	3	0.12
(1,1074)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	3	0.12
(1,1074)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	3	0.12
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	15	0.12
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	15	0.12
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	15	0.12
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	15	0.12
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	15	0.12
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	15	0.12
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	15	0.12
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	15	0.12
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG21	15	0.12
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG22	15	0.12
(1,1064)	1:255:A:ILE:HG21	2:5481:C:THR:HG23	15	0.12
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG21	15	0.12
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG22	15	0.12
(1,1064)	1:255:A:ILE:HG22	2:5481:C:THR:HG23	15	0.12
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG21	15	0.12
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG22	15	0.12
(1,1064)	1:255:A:ILE:HG23	2:5481:C:THR:HG23	15	0.12
(1,1052)	1:256:A:PRO:HD2	2:5478:C:LYS:HA	16	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	1	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	1	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	1	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	6	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	6	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	6	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	8	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	8	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	8	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	17	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	17	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	17	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	19	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	19	0.12
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	19	0.12
(1,1049)	1:256:A:PRO:HB2	2:5478:C:LYS:HA	12	0.12
(1,1049)	1:256:A:PRO:HB2	2:5478:C:LYS:HA	20	0.12
(1,1029)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	6	0.12
(1,1029)	1:254:A:VAL:HG22	2:5482:C:PRO:HA	6	0.12
(1,1029)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	6	0.12
(1,1022)	1:254:A:VAL:HG11	2:5482:C:PRO:HA	13	0.12
(1,1022)	1:254:A:VAL:HG12	2:5482:C:PRO:HA	13	0.12
(1,1022)	1:254:A:VAL:HG13	2:5482:C:PRO:HA	13	0.12
(1,1019)	1:254:A:VAL:HG11	2:5483:C:GLN:HB3	11	0.12
(1,1019)	1:254:A:VAL:HG12	2:5483:C:GLN:HB3	11	0.12
(1,1019)	1:254:A:VAL:HG13	2:5483:C:GLN:HB3	11	0.12
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	11	0.12
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	11	0.12
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	11	0.12
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	11	0.12
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	2:5475:C:LYS:HB2	2:5475:C:LYS:HE2	10	0.12
(1,963)	2:5476:C:PRO:HA	2:5475:C:LYS:HE2	2	0.12
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	3	0.12
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	14	0.12
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	16	0.12
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	1	0.12
(1,959)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	12	0.12
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	1	0.12
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	5	0.12
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	10	0.12
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	13	0.12
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	14	0.12
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	9	0.12
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	10	0.12
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	14	0.12
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	1	0.12
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	2	0.12
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	4	0.12
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	5	0.12
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	10	0.12
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	14	0.12
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	3	0.12
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	13	0.12
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	17	0.12
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	20	0.12
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	9	0.12
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	10	0.12
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	16	0.12
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	20	0.12
(1,902)	2:5478:C:LYS:HD2	2:5478:C:LYS:HE2	16	0.12
(1,899)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE3	15	0.12
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	5	0.12
(1,884)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	13	0.12
(1,837)	2:5481:C:THR:HB	2:5482:C:PRO:HG2	8	0.12
(1,832)	2:5482:C:PRO:HB2	2:5482:C:PRO:HD2	18	0.12
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	8	0.12
(1,815)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	15	0.12
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	2	0.12
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	2	0.12
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	2	0.12
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	9	0.12
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	9	0.12
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	6	0.12
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	6	0.12
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	6	0.12
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	6	0.12
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	6	0.12
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	6	0.12
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	6	0.12
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	6	0.12
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	6	0.12
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	11	0.12
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	11	0.12
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	11	0.12
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	11	0.12
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	11	0.12
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	11	0.12
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	11	0.12
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	11	0.12
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	11	0.12
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	1	0.12
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	1	0.12
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	1	0.12
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	3	0.12
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	3	0.12
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	3	0.12
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	9	0.12
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	9	0.12
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	9	0.12
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	16	0.12
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	16	0.12
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	16	0.12
(1,791)	1:217:A:TYR:HE1	1:214:B:ARG:HG2	4	0.12
(1,791)	1:217:A:TYR:HE2	1:214:B:ARG:HG2	4	0.12
(1,790)	1:217:A:TYR:HE1	1:221:B:LEU:HB3	15	0.12
(1,790)	1:217:A:TYR:HE2	1:221:B:LEU:HB3	15	0.12
(1,788)	1:217:A:TYR:HD1	1:221:B:LEU:HB3	15	0.12
(1,788)	1:217:A:TYR:HD2	1:221:B:LEU:HB3	15	0.12
(1,786)	1:221:B:LEU:HD21	1:217:A:TYR:HE1	8	0.12
(1,786)	1:221:B:LEU:HD21	1:217:A:TYR:HE2	8	0.12
(1,786)	1:221:B:LEU:HD22	1:217:A:TYR:HE1	8	0.12
(1,786)	1:221:B:LEU:HD22	1:217:A:TYR:HE2	8	0.12
(1,786)	1:221:B:LEU:HD23	1:217:A:TYR:HE1	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:221:B:LEU:HD23	1:217:A:TYR:HE2	8	0.12
(1,783)	1:217:A:TYR:HE1	1:218:B:PHE:HZ	3	0.12
(1,783)	1:217:A:TYR:HE2	1:218:B:PHE:HZ	3	0.12
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD1	6	0.12
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD2	6	0.12
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD1	6	0.12
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD2	6	0.12
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	1	0.12
(1,696)	1:231:A:ASN:HD22	1:226:A:LEU:HD22	17	0.12
(1,679)	1:221:A:LEU:H	1:224:A:ILE:HD12	13	0.12
(1,649)	1:199:A:GLN:HE22	1:203:A:LEU:HD23	15	0.12
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG23	8	0.12
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	16	0.12
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG21	18	0.12
(1,499)	1:202:A:VAL:HB	1:205:A:LEU:HG	14	0.12
(1,498)	1:201:A:LYS:HB2	1:202:A:VAL:HB	16	0.12
(1,490)	1:202:A:VAL:HG21	1:204:B:LYS:HE2	19	0.12
(1,472)	1:196:A:LEU:HD22	1:193:B:ALA:HA	15	0.12
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	8	0.12
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	4	0.12
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	20	0.12
(1,409)	1:210:A:LEU:HD13	1:213:A:GLU:HB2	1	0.12
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	12	0.12
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	13	0.12
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	16	0.12
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	17	0.12
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	18	0.12
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	20	0.12
(1,377)	1:227:A:ILE:HG13	1:224:A:ILE:HG22	16	0.12
(1,361)	1:239:A:LEU:HD22	1:228:A:CYS:HB2	11	0.12
(1,315)	1:239:A:LEU:HD12	1:231:A:ASN:HB2	10	0.12
(1,291)	1:240:A:GLN:H	1:242:A:ILE:HG21	16	0.12
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	6	0.12
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	7	0.12
(1,276)	1:244:A:ASP:HB3	1:242:A:ILE:HG12	8	0.12
(1,256)	1:227:A:ILE:H	1:246:A:LEU:HD13	4	0.12
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG21	7	0.12
(1,203)	1:202:A:VAL:HA	1:203:A:LEU:HA	5	0.12
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	1	0.12
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD12	3	0.12
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	7	0.12
(1,41)	1:240:A:GLN:HG3	1:243:A:VAL:HG12	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:248:A:ALA:HB1	1:246:A:LEU:HD21	15	0.12
(2,2664)	1:210:A:LEU:HD11	1:214:B:ARG:HG3	7	0.11
(2,2664)	1:210:A:LEU:HD12	1:214:B:ARG:HG3	7	0.11
(2,2664)	1:210:A:LEU:HD13	1:214:B:ARG:HG3	7	0.11
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG21	17	0.11
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG22	17	0.11
(2,2658)	1:220:B:LYS:HA	1:245:A:ILE:HG23	17	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	1	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	1	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	1	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	1	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	1	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	1	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	1	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	1	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	1	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	7	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	7	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	7	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	7	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	7	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	7	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	7	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	7	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	7	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	10	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	10	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	10	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	10	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	10	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	10	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	10	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	10	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	10	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	11	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	11	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	11	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	11	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	11	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	11	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	11	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	11	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD11	15	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD12	15	0.11
(2,2655)	1:224:B:ILE:HD11	1:245:A:ILE:HD13	15	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD11	15	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD12	15	0.11
(2,2655)	1:224:B:ILE:HD12	1:245:A:ILE:HD13	15	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD11	15	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD12	15	0.11
(2,2655)	1:224:B:ILE:HD13	1:245:A:ILE:HD13	15	0.11
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	4	0.11
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	4	0.11
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	4	0.11
(2,2645)	1:239:A:LEU:HD11	1:239:B:LEU:HG	8	0.11
(2,2645)	1:239:A:LEU:HD12	1:239:B:LEU:HG	8	0.11
(2,2645)	1:239:A:LEU:HD13	1:239:B:LEU:HG	8	0.11
(2,2643)	1:239:A:LEU:HD11	1:238:B:VAL:HG21	10	0.11
(2,2643)	1:239:A:LEU:HD11	1:238:B:VAL:HG22	10	0.11
(2,2643)	1:239:A:LEU:HD11	1:238:B:VAL:HG23	10	0.11
(2,2643)	1:239:A:LEU:HD12	1:238:B:VAL:HG21	10	0.11
(2,2643)	1:239:A:LEU:HD12	1:238:B:VAL:HG22	10	0.11
(2,2643)	1:239:A:LEU:HD12	1:238:B:VAL:HG23	10	0.11
(2,2643)	1:239:A:LEU:HD13	1:238:B:VAL:HG21	10	0.11
(2,2643)	1:239:A:LEU:HD13	1:238:B:VAL:HG22	10	0.11
(2,2643)	1:239:A:LEU:HD13	1:238:B:VAL:HG23	10	0.11
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	15	0.11
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	15	0.11
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	15	0.11
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	15	0.11
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	15	0.11
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	15	0.11
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	15	0.11
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	15	0.11
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	15	0.11
(2,2633)	1:227:A:ILE:HG21	1:241:B:ARG:HB3	3	0.11
(2,2633)	1:227:A:ILE:HG22	1:241:B:ARG:HB3	3	0.11
(2,2633)	1:227:A:ILE:HG23	1:241:B:ARG:HB3	3	0.11
(2,2628)	1:227:A:ILE:HD11	1:241:B:ARG:HD2	4	0.11
(2,2628)	1:227:A:ILE:HD12	1:241:B:ARG:HD2	4	0.11
(2,2628)	1:227:A:ILE:HD13	1:241:B:ARG:HD2	4	0.11
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD11	18	0.11
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD12	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2620)	1:221:B:LEU:HD21	1:224:A:ILE:HD13	18	0.11
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD11	18	0.11
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD12	18	0.11
(2,2620)	1:221:B:LEU:HD22	1:224:A:ILE:HD13	18	0.11
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD11	18	0.11
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD12	18	0.11
(2,2620)	1:221:B:LEU:HD23	1:224:A:ILE:HD13	18	0.11
(2,2616)	1:221:A:LEU:HD11	1:217:B:TYR:HD1	8	0.11
(2,2616)	1:221:A:LEU:HD11	1:217:B:TYR:HD2	8	0.11
(2,2616)	1:221:A:LEU:HD12	1:217:B:TYR:HD1	8	0.11
(2,2616)	1:221:A:LEU:HD12	1:217:B:TYR:HD2	8	0.11
(2,2616)	1:221:A:LEU:HD13	1:217:B:TYR:HD1	8	0.11
(2,2616)	1:221:A:LEU:HD13	1:217:B:TYR:HD2	8	0.11
(2,2527)	1:224:A:ILE:HG21	1:221:B:LEU:HD23	3	0.11
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	4	0.11
(2,2523)	1:224:A:ILE:HD13	1:224:B:ILE:HD13	11	0.11
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG21	13	0.11
(2,2499)	1:207:A:VAL:HG12	1:206:B:THR:HG22	14	0.11
(2,2495)	1:197:A:MET:HE2	1:196:B:LEU:HD11	1	0.11
(2,2471)	1:220:A:LYS:HD3	1:245:B:ILE:HG22	7	0.11
(2,2465)	1:220:A:LYS:HE2	1:245:B:ILE:HG23	3	0.11
(2,2407)	1:227:A:ILE:HG12	1:241:B:ARG:HG2	5	0.11
(2,2384)	1:214:A:ARG:HG2	1:217:B:TYR:HE2	7	0.11
(2,2380)	1:214:A:ARG:HD2	1:217:B:TYR:HE1	6	0.11
(2,2365)	1:207:A:VAL:HG23	1:203:B:LEU:HG	13	0.11
(2,2356)	1:203:A:LEU:HD22	1:204:B:LYS:HA	9	0.11
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD21	9	0.11
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD22	13	0.11
(2,2340)	1:193:A:ALA:HB3	1:196:B:LEU:HD13	8	0.11
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD13	19	0.11
(2,2339)	1:235:A:ASN:HD21	1:233:A:GLY:HA3	7	0.11
(2,2020)	1:240:A:GLN:HE21	1:244:A:ASP:H	1	0.11
(2,2020)	1:240:A:GLN:HE21	1:244:A:ASP:H	19	0.11
(2,2012)	1:238:A:VAL:H	1:239:A:LEU:H	8	0.11
(2,2012)	1:238:A:VAL:H	1:239:A:LEU:H	20	0.11
(2,1976)	1:232:A:GLU:H	1:232:A:GLU:HG2	13	0.11
(2,1899)	1:212:A:LYS:H	1:212:A:LYS:HB2	6	0.11
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	20	0.11
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB1	11	0.11
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB2	12	0.11
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB2	13	0.11
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1783)	1:256:A:PRO:HB3	1:256:A:PRO:HG2	20	0.11
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	15	0.11
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	18	0.11
(2,1764)	1:238:A:VAL:HG21	1:237:A:PRO:HD2	3	0.11
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	10	0.11
(2,1682)	1:218:A:PHE:HA	2:5479:C:ILE:HD11	13	0.11
(2,1653)	1:195:A:GLU:HG2	1:199:A:GLN:HE21	9	0.11
(2,1632)	1:221:A:LEU:HA	2:5479:C:ILE:HD12	12	0.11
(2,1622)	1:254:A:VAL:HG22	1:255:A:ILE:HA	1	0.11
(2,1621)	1:254:A:VAL:HG22	2:5481:C:THR:HB	18	0.11
(2,1576)	1:199:A:GLN:HA	1:203:A:LEU:H	9	0.11
(2,1572)	1:226:A:LEU:HA	1:229:A:GLN:HB3	15	0.11
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	1	0.11
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	12	0.11
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	19	0.11
(2,1526)	1:195:A:GLU:HG2	1:197:A:MET:H	16	0.11
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	3	0.11
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	12	0.11
(2,1489)	1:197:A:MET:HG3	1:194:A:ALA:HA	13	0.11
(2,1484)	1:200:A:VAL:H	1:198:A:GLN:HA	4	0.11
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB3	10	0.11
(2,1431)	1:200:A:VAL:HG23	1:202:A:VAL:H	5	0.11
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	9	0.11
(2,1410)	1:201:A:LYS:H	1:201:A:LYS:HG2	17	0.11
(2,1388)	1:202:A:VAL:HG13	1:203:A:LEU:H	9	0.11
(2,1388)	1:202:A:VAL:HG11	1:203:A:LEU:H	11	0.11
(2,1388)	1:202:A:VAL:HG12	1:203:A:LEU:H	13	0.11
(2,1384)	1:202:A:VAL:HG11	1:199:A:GLN:HG3	5	0.11
(2,1377)	1:198:A:GLN:HE21	1:202:A:VAL:HG21	11	0.11
(2,1345)	1:203:A:LEU:HD22	1:199:A:GLN:HG3	6	0.11
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	13	0.11
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	17	0.11
(2,1324)	1:204:A:LYS:HB3	1:203:B:LEU:HD21	3	0.11
(2,1299)	1:204:A:LYS:H	1:204:A:LYS:HG2	12	0.11
(2,1259)	1:208:A:GLU:HA	1:211:A:GLU:HB2	1	0.11
(2,1238)	1:210:A:LEU:HD11	1:214:B:ARG:HD3	7	0.11
(2,1236)	1:210:A:LEU:HD13	1:211:B:GLU:HA	11	0.11
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	7	0.11
(2,1207)	1:212:A:LYS:H	1:212:A:LYS:HE2	8	0.11
(2,1180)	1:215:A:ASP:HA	1:214:A:ARG:HG3	10	0.11
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD22	16	0.11
(2,1165)	1:221:A:LEU:HA	1:221:A:LEU:HD23	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1136)	1:226:A:LEU:HD11	1:222:A:ARG:HB3	18	0.11
(2,1074)	1:231:A:ASN:HB3	1:228:A:CYS:HA	5	0.11
(2,1074)	1:231:A:ASN:HB3	1:228:A:CYS:HA	14	0.11
(2,1053)	1:234:A:GLU:HB3	1:234:A:GLU:HG2	1	0.11
(2,1053)	1:234:A:GLU:HB3	1:234:A:GLU:HG2	13	0.11
(2,1014)	1:238:A:VAL:HA	1:238:A:VAL:HG12	13	0.11
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD21	16	0.11
(2,956)	1:240:A:GLN:HA	1:243:A:VAL:HB	1	0.11
(2,915)	1:244:A:ASP:H	1:245:A:ILE:HG22	15	0.11
(2,871)	1:206:A:THR:HG21	1:207:A:VAL:H	10	0.11
(2,844)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	17	0.11
(2,833)	1:255:A:ILE:HD13	2:5480:C:PRO:HB2	3	0.11
(2,833)	1:255:A:ILE:HD11	2:5480:C:PRO:HB2	9	0.11
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	3	0.11
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	7	0.11
(2,808)	1:257:A:ASP:HB3	2:5478:C:LYS:HA	18	0.11
(2,785)	1:257:A:ASP:HB3	1:256:A:PRO:HB3	20	0.11
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	3	0.11
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	5	0.11
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	11	0.11
(2,742)	1:206:A:THR:HB	1:209:A:ASP:H	14	0.11
(2,735)	1:200:A:VAL:HA	1:204:A:LYS:HB2	2	0.11
(2,723)	1:208:A:GLU:HA	1:207:A:VAL:H	15	0.11
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	3	0.11
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	4	0.11
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	12	0.11
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	16	0.11
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	17	0.11
(2,609)	1:232:A:GLU:H	1:232:A:GLU:HA	18	0.11
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	1	0.11
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	2	0.11
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	6	0.11
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	10	0.11
(2,598)	1:234:A:GLU:HA	1:235:A:ASN:HB3	8	0.11
(2,559)	1:241:A:ARG:HD3	1:241:A:ARG:HA	5	0.11
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	5	0.11
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	7	0.11
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	15	0.11
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	19	0.11
(2,497)	1:258:A:GLU:H	1:257:A:ASP:HA	13	0.11
(2,496)	1:257:A:ASP:HA	1:255:A:ILE:HG21	15	0.11
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:258:A:GLU:HA	1:258:A:GLU:HB3	15	0.11
(2,489)	1:230:A:GLU:HG3	1:231:A:ASN:HD22	2	0.11
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	14	0.11
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	16	0.11
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	15	0.11
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	19	0.11
(2,352)	1:201:A:LYS:HG2	1:201:A:LYS:HE2	4	0.11
(2,352)	1:201:A:LYS:HG2	1:201:A:LYS:HE2	19	0.11
(2,325)	1:205:A:LEU:HD22	1:209:A:ASP:HB3	1	0.11
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG23	5	0.11
(2,218)	1:227:A:ILE:HD13	1:227:A:ILE:HG23	8	0.11
(2,207)	1:199:A:GLN:HB2	1:203:A:LEU:HD13	9	0.11
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD13	2	0.11
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD13	13	0.11
(2,147)	1:238:A:VAL:HG21	1:239:A:LEU:HD12	14	0.11
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD11	15	0.11
(2,91)	1:254:A:VAL:HG11	2:5483:C:GLN:HA	1	0.11
(2,41)	1:222:A:ARG:HA	2:5479:C:ILE:HD12	18	0.11
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG21	8	0.11
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG22	8	0.11
(1,1184)	1:218:A:PHE:HD1	2:5481:C:THR:HG23	8	0.11
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG21	8	0.11
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG22	8	0.11
(1,1184)	1:218:A:PHE:HD2	2:5481:C:THR:HG23	8	0.11
(1,1175)	1:216:B:PHE:HE1	2:5481:C:THR:HG21	2	0.11
(1,1175)	1:216:B:PHE:HE1	2:5481:C:THR:HG22	2	0.11
(1,1175)	1:216:B:PHE:HE1	2:5481:C:THR:HG23	2	0.11
(1,1175)	1:216:B:PHE:HE2	2:5481:C:THR:HG21	2	0.11
(1,1175)	1:216:B:PHE:HE2	2:5481:C:THR:HG22	2	0.11
(1,1175)	1:216:B:PHE:HE2	2:5481:C:THR:HG23	2	0.11
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	5	0.11
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	5	0.11
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	5	0.11
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD11	12	0.11
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD12	12	0.11
(1,1170)	1:221:A:LEU:HG	2:5479:C:ILE:HD13	12	0.11
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	4	0.11
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	4	0.11
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	9	0.11
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	9	0.11
(1,1157)	1:247:A:TYR:HD1	2:5479:C:ILE:HA	16	0.11
(1,1157)	1:247:A:TYR:HD2	2:5479:C:ILE:HA	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:253:A:PHE:HE1	2:5481:C:THR:HA	11	0.11
(1,1153)	1:253:A:PHE:HE2	2:5481:C:THR:HA	11	0.11
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE1	8	0.11
(1,1133)	2:5479:C:ILE:HD11	1:253:A:PHE:HE2	8	0.11
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE1	8	0.11
(1,1133)	2:5479:C:ILE:HD12	1:253:A:PHE:HE2	8	0.11
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE1	8	0.11
(1,1133)	2:5479:C:ILE:HD13	1:253:A:PHE:HE2	8	0.11
(1,1130)	1:247:A:TYR:HE1	2:5478:C:LYS:HB2	18	0.11
(1,1130)	1:247:A:TYR:HE2	2:5478:C:LYS:HB2	18	0.11
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG21	5	0.11
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG22	5	0.11
(1,1127)	1:247:A:TYR:HD1	2:5479:C:ILE:HG23	5	0.11
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG21	5	0.11
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG22	5	0.11
(1,1127)	1:247:A:TYR:HD2	2:5479:C:ILE:HG23	5	0.11
(1,1121)	1:254:A:VAL:HG21	2:5483:C:GLN:HA	15	0.11
(1,1121)	1:254:A:VAL:HG22	2:5483:C:GLN:HA	15	0.11
(1,1121)	1:254:A:VAL:HG23	2:5483:C:GLN:HA	15	0.11
(1,1120)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	6	0.11
(1,1120)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	6	0.11
(1,1120)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	6	0.11
(1,1104)	1:247:A:TYR:HE1	2:5478:C:LYS:HE2	3	0.11
(1,1104)	1:247:A:TYR:HE2	2:5478:C:LYS:HE2	3	0.11
(1,1103)	1:247:A:TYR:HE1	2:5479:C:ILE:HB	12	0.11
(1,1103)	1:247:A:TYR:HE2	2:5479:C:ILE:HB	12	0.11
(1,1100)	2:5481:C:THR:HG21	1:218:A:PHE:HZ	19	0.11
(1,1100)	2:5481:C:THR:HG22	1:218:A:PHE:HZ	19	0.11
(1,1100)	2:5481:C:THR:HG23	1:218:A:PHE:HZ	19	0.11
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	16	0.11
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	16	0.11
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	16	0.11
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	16	0.11
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	16	0.11
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	16	0.11
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	16	0.11
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	16	0.11
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	16	0.11
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	4	0.11
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	4	0.11
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	4	0.11
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	14	0.11
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	14	0.11
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	9	0.11
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	9	0.11
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	9	0.11
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	19	0.11
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	19	0.11
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	19	0.11
(1,1081)	1:255:A:ILE:HG21	2:5478:C:LYS:HB2	8	0.11
(1,1081)	1:255:A:ILE:HG22	2:5478:C:LYS:HB2	8	0.11
(1,1081)	1:255:A:ILE:HG23	2:5478:C:LYS:HB2	8	0.11
(1,1076)	1:254:A:VAL:HG21	2:5483:C:GLN:HE21	20	0.11
(1,1076)	1:254:A:VAL:HG22	2:5483:C:GLN:HE21	20	0.11
(1,1076)	1:254:A:VAL:HG23	2:5483:C:GLN:HE21	20	0.11
(1,1074)	1:254:A:VAL:HG21	2:5483:C:GLN:HE22	1	0.11
(1,1074)	1:254:A:VAL:HG22	2:5483:C:GLN:HE22	1	0.11
(1,1074)	1:254:A:VAL:HG23	2:5483:C:GLN:HE22	1	0.11
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD11	7	0.11
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD12	7	0.11
(1,1070)	1:246:A:LEU:HD11	2:5479:C:ILE:HD13	7	0.11
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD11	7	0.11
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD12	7	0.11
(1,1070)	1:246:A:LEU:HD12	2:5479:C:ILE:HD13	7	0.11
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD11	7	0.11
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD12	7	0.11
(1,1070)	1:246:A:LEU:HD13	2:5479:C:ILE:HD13	7	0.11
(1,1060)	1:255:A:ILE:HD11	2:5478:C:LYS:HE3	12	0.11
(1,1060)	1:255:A:ILE:HD12	2:5478:C:LYS:HE3	12	0.11
(1,1060)	1:255:A:ILE:HD13	2:5478:C:LYS:HE3	12	0.11
(1,1052)	1:256:A:PRO:HD2	2:5478:C:LYS:HA	1	0.11
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	9	0.11
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	9	0.11
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	9	0.11
(1,1033)	1:255:A:ILE:HD11	2:5478:C:LYS:HB2	11	0.11
(1,1033)	1:255:A:ILE:HD12	2:5478:C:LYS:HB2	11	0.11
(1,1033)	1:255:A:ILE:HD13	2:5478:C:LYS:HB2	11	0.11
(1,1029)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	1	0.11
(1,1029)	1:254:A:VAL:HG22	2:5482:C:PRO:HA	1	0.11
(1,1029)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	1	0.11
(1,1029)	1:254:A:VAL:HG21	2:5482:C:PRO:HA	11	0.11
(1,1029)	1:254:A:VAL:HG22	2:5482:C:PRO:HA	11	0.11
(1,1029)	1:254:A:VAL:HG23	2:5482:C:PRO:HA	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:254:A:VAL:HG11	2:5483:C:GLN:HB2	3	0.11
(1,1018)	1:254:A:VAL:HG12	2:5483:C:GLN:HB2	3	0.11
(1,1018)	1:254:A:VAL:HG13	2:5483:C:GLN:HB2	3	0.11
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	6	0.11
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	15	0.11
(1,960)	2:5476:C:PRO:HA	2:5475:C:LYS:HA	17	0.11
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	3	0.11
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	15	0.11
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	15	0.11
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	15	0.11
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	7	0.11
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	11	0.11
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	16	0.11
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	2	0.11
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	3	0.11
(1,934)	2:5478:C:LYS:HB3	2:5478:C:LYS:HG2	8	0.11
(1,934)	2:5478:C:LYS:HB3	2:5478:C:LYS:HG2	20	0.11
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	3	0.11
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	6	0.11
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	16	0.11
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	18	0.11
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	1	0.11
(1,907)	2:5478:C:LYS:HD2	2:5478:C:LYS:HB3	9	0.11
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	3	0.11
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	13	0.11
(1,905)	2:5478:C:LYS:HD3	2:5478:C:LYS:HA	19	0.11
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	1	0.11
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	11	0.11
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	19	0.11
(1,900)	2:5478:C:LYS:HD3	2:5478:C:LYS:HE2	16	0.11
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	9	0.11
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	10	0.11
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	17	0.11
(1,884)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	18	0.11
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	12	0.11
(1,854)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	14	0.11
(1,847)	2:5481:C:THR:HA	2:5482:C:PRO:HD2	7	0.11
(1,830)	2:5476:C:PRO:HD2	2:5475:C:LYS:HG2	6	0.11
(1,829)	2:5476:C:PRO:HD3	2:5475:C:LYS:HD2	16	0.11
(1,828)	2:5476:C:PRO:HD2	2:5475:C:LYS:HD2	12	0.11
(1,824)	2:5476:C:PRO:HB2	2:5476:C:PRO:HD2	20	0.11
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	3	0.11
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	3	0.11
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	17	0.11
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	17	0.11
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	17	0.11
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	14	0.11
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	14	0.11
(1,803)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	14	0.11
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	14	0.11
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	14	0.11
(1,803)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	14	0.11
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	14	0.11
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	14	0.11
(1,803)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	14	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD1	2	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD2	2	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD1	2	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD2	2	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD1	5	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD2	5	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD1	5	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD2	5	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD1	13	0.11
(1,781)	1:217:A:TYR:HE1	1:218:B:PHE:HD2	13	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD1	13	0.11
(1,781)	1:217:A:TYR:HE2	1:218:B:PHE:HD2	13	0.11
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	1	0.11
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	1	0.11
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	1	0.11
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	1	0.11
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	7	0.11
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	7	0.11
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	7	0.11
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	7	0.11
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	10	0.11
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	10	0.11
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	10	0.11
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	10	0.11
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	9	0.11
(1,760)	1:220:A:LYS:H	1:221:A:LEU:HG	17	0.11
(1,673)	1:211:A:GLU:H	1:207:A:VAL:HG13	18	0.11
(1,664)	1:206:A:THR:H	1:210:A:LEU:HD22	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:195:A:GLU:HG3	1:194:A:ALA:HA	15	0.11
(1,586)	1:221:A:LEU:HD13	1:217:B:TYR:HE2	2	0.11
(1,586)	1:221:A:LEU:HD12	1:217:B:TYR:HE1	4	0.11
(1,584)	1:255:A:ILE:HB	1:258:A:GLU:HB3	6	0.11
(1,551)	1:196:A:LEU:HD12	1:199:B:GLN:H	3	0.11
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	10	0.11
(1,549)	1:196:A:LEU:HD11	1:194:B:ALA:H	4	0.11
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG23	5	0.11
(1,521)	1:199:A:GLN:H	1:200:A:VAL:HG23	14	0.11
(1,517)	1:204:A:LYS:H	1:200:A:VAL:HG22	7	0.11
(1,510)	1:207:A:VAL:HG23	1:204:A:LYS:HE3	12	0.11
(1,495)	1:202:A:VAL:HG11	1:201:A:LYS:HD2	11	0.11
(1,495)	1:202:A:VAL:HG13	1:201:A:LYS:HD2	15	0.11
(1,480)	1:199:A:GLN:H	1:196:A:LEU:HD23	9	0.11
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	1	0.11
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	3	0.11
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	4	0.11
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	11	0.11
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	18	0.11
(1,447)	1:205:A:LEU:HD12	1:208:A:GLU:HG3	14	0.11
(1,423)	1:208:A:GLU:HB3	1:205:A:LEU:HD22	1	0.11
(1,412)	1:209:A:ASP:H	1:210:A:LEU:HD12	17	0.11
(1,406)	1:212:A:LYS:H	1:211:A:GLU:HG2	7	0.11
(1,403)	1:212:A:LYS:HE2	1:212:A:LYS:HB3	14	0.11
(1,399)	1:212:A:LYS:HE2	1:212:A:LYS:HD2	14	0.11
(1,390)	1:221:A:LEU:HD22	1:222:A:ARG:HA	19	0.11
(1,353)	1:208:A:GLU:HG3	1:207:A:VAL:HG13	14	0.11
(1,322)	1:238:A:VAL:H	1:238:A:VAL:HG22	17	0.11
(1,309)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	17	0.11
(1,302)	1:240:A:GLN:HG3	1:243:A:VAL:HG11	17	0.11
(1,271)	1:246:A:LEU:H	1:245:A:ILE:HD13	15	0.11
(1,262)	1:245:A:ILE:H	1:246:A:LEU:HD21	18	0.11
(1,259)	1:246:A:LEU:HD21	1:220:B:LYS:HG2	9	0.11
(1,241)	1:254:A:VAL:HG12	2:5483:C:GLN:HE22	13	0.11
(1,224)	1:256:A:PRO:HG2	2:5478:C:LYS:HG2	13	0.11
(1,203)	1:202:A:VAL:HA	1:203:A:LEU:HA	14	0.11
(1,182)	1:214:A:ARG:HA	1:213:A:GLU:H	9	0.11
(1,181)	1:214:A:ARG:HA	1:210:A:LEU:HD11	7	0.11
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	2	0.11
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD11	4	0.11
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD13	8	0.11
(1,168)	1:225:A:GLU:HA	1:226:A:LEU:HD13	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:238:A:VAL:HA	1:239:B:LEU:HD21	19	0.11
(2,2666)	1:242:B:ILE:HG21	1:242:A:ILE:HD11	9	0.1
(2,2666)	1:242:B:ILE:HG21	1:242:A:ILE:HD12	9	0.1
(2,2666)	1:242:B:ILE:HG21	1:242:A:ILE:HD13	9	0.1
(2,2666)	1:242:B:ILE:HG22	1:242:A:ILE:HD11	9	0.1
(2,2666)	1:242:B:ILE:HG22	1:242:A:ILE:HD12	9	0.1
(2,2666)	1:242:B:ILE:HG22	1:242:A:ILE:HD13	9	0.1
(2,2666)	1:242:B:ILE:HG23	1:242:A:ILE:HD11	9	0.1
(2,2666)	1:242:B:ILE:HG23	1:242:A:ILE:HD12	9	0.1
(2,2666)	1:242:B:ILE:HG23	1:242:A:ILE:HD13	9	0.1
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	4	0.1
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	4	0.1
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	4	0.1
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	4	0.1
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	4	0.1
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	4	0.1
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	4	0.1
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	4	0.1
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	4	0.1
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG21	9	0.1
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG22	9	0.1
(2,2637)	1:239:B:LEU:HD11	1:238:A:VAL:HG23	9	0.1
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG21	9	0.1
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG22	9	0.1
(2,2637)	1:239:B:LEU:HD12	1:238:A:VAL:HG23	9	0.1
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG21	9	0.1
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG22	9	0.1
(2,2637)	1:239:B:LEU:HD13	1:238:A:VAL:HG23	9	0.1
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG11	8	0.1
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG12	8	0.1
(2,2603)	1:200:B:VAL:HG11	1:200:A:VAL:HG13	8	0.1
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG11	8	0.1
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG12	8	0.1
(2,2603)	1:200:B:VAL:HG12	1:200:A:VAL:HG13	8	0.1
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG11	8	0.1
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG12	8	0.1
(2,2603)	1:200:B:VAL:HG13	1:200:A:VAL:HG13	8	0.1
(2,2405)	1:227:A:ILE:HD13	1:245:B:ILE:HG12	7	0.1
(2,2380)	1:214:A:ARG:HD2	1:217:B:TYR:HE2	20	0.1
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD11	7	0.1
(2,2378)	1:214:A:ARG:HD2	1:210:B:LEU:HD12	11	0.1
(2,2373)	1:210:A:LEU:HD23	1:207:B:VAL:HA	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2348)	1:197:A:MET:HG2	1:196:B:LEU:HD23	12	0.1
(2,2340)	1:193:A:ALA:HB1	1:196:B:LEU:HD12	16	0.1
(2,1832)	1:198:A:GLN:H	1:198:A:GLN:HB2	20	0.1
(2,1818)	1:196:A:LEU:H	1:195:A:GLU:HB3	15	0.1
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB3	9	0.1
(2,1804)	1:194:A:ALA:H	1:194:A:ALA:HB1	14	0.1
(2,1780)	1:257:A:ASP:HA	1:258:A:GLU:HA	6	0.1
(2,1779)	1:258:A:GLU:HG3	1:258:A:GLU:HA	20	0.1
(2,1773)	1:239:A:LEU:HA	1:242:A:ILE:HG12	4	0.1
(2,1735)	1:231:A:ASN:HB3	1:230:A:GLU:H	13	0.1
(2,1730)	1:208:A:GLU:HA	1:211:A:GLU:HA	1	0.1
(2,1729)	1:207:A:VAL:H	1:208:A:GLU:HB2	18	0.1
(2,1726)	1:230:A:GLU:HG2	1:227:A:ILE:HD11	5	0.1
(2,1658)	1:198:A:GLN:HE21	1:201:A:LYS:HE2	4	0.1
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	11	0.1
(2,1637)	1:251:A:GLU:H	1:251:A:GLU:HG2	12	0.1
(2,1602)	1:237:A:PRO:HA	1:237:A:PRO:HG2	11	0.1
(2,1602)	1:237:A:PRO:HA	1:237:A:PRO:HG2	20	0.1
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	4	0.1
(2,1564)	1:209:A:ASP:HA	1:208:A:GLU:HB3	9	0.1
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	9	0.1
(2,1490)	1:197:A:MET:H	1:197:A:MET:HG3	14	0.1
(2,1481)	1:195:A:GLU:H	1:198:A:GLN:HB2	13	0.1
(2,1477)	1:198:A:GLN:HB2	1:194:A:ALA:HB2	18	0.1
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	1	0.1
(2,1425)	1:200:A:VAL:H	1:201:A:LYS:HA	5	0.1
(2,1411)	1:201:A:LYS:HG3	1:201:A:LYS:HD2	19	0.1
(2,1340)	1:257:A:ASP:H	1:256:A:PRO:HB3	5	0.1
(2,1339)	1:200:A:VAL:H	1:201:A:LYS:HB2	18	0.1
(2,1328)	1:204:A:LYS:HB3	1:204:A:LYS:HB2	12	0.1
(2,1328)	1:204:A:LYS:HB3	1:204:A:LYS:HB2	13	0.1
(2,1038)	1:239:A:LEU:HB3	1:236:A:ASP:HB2	5	0.1
(2,997)	1:231:A:ASN:H	1:239:A:LEU:HD22	7	0.1
(2,995)	1:234:A:GLU:HG3	1:239:A:LEU:HD21	18	0.1
(2,993)	1:239:A:LEU:HD23	1:238:B:VAL:HA	3	0.1
(2,956)	1:240:A:GLN:HA	1:243:A:VAL:HB	7	0.1
(2,956)	1:240:A:GLN:HA	1:243:A:VAL:HB	12	0.1
(2,931)	1:244:A:ASP:H	1:245:A:ILE:HD12	3	0.1
(2,828)	1:255:A:ILE:H	1:255:A:ILE:HG12	10	0.1
(2,799)	1:251:A:GLU:HG2	1:252:A:GLY:HA2	20	0.1
(2,789)	1:256:A:PRO:HG2	2:5478:C:LYS:HB2	12	0.1
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,608)	1:228:A:CYS:H	1:229:A:GLN:HA	12	0.1
(2,597)	1:234:A:GLU:HA	1:233:A:GLY:HA3	18	0.1
(2,591)	1:235:A:ASN:HA	1:234:A:GLU:HB2	18	0.1
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	1	0.1
(2,535)	1:244:A:ASP:HA	1:245:A:ILE:HB	11	0.1
(2,495)	1:257:A:ASP:HA	1:258:A:GLU:HB3	16	0.1
(2,490)	1:260:A:GLY:H	1:259:A:GLY:HA3	8	0.1
(2,486)	1:192:A:GLU:HG3	1:196:A:LEU:H	20	0.1
(2,464)	1:191:A:ASP:HA	1:193:A:ALA:HB2	19	0.1
(2,462)	1:232:A:GLU:HB2	1:232:A:GLU:HG2	3	0.1
(2,375)	1:198:A:GLN:HG2	1:198:A:GLN:HB2	11	0.1
(2,367)	1:207:A:VAL:HG22	1:206:B:THR:HG22	1	0.1
(2,357)	1:201:A:LYS:HG2	1:201:A:LYS:HD2	4	0.1
(2,303)	1:204:A:LYS:HD3	1:204:A:LYS:HB2	16	0.1
(2,300)	1:204:A:LYS:HE2	1:203:A:LEU:HA	18	0.1
(2,267)	1:214:A:ARG:HA	1:210:A:LEU:HD11	4	0.1
(2,260)	1:201:A:LYS:HE2	1:200:A:VAL:HG23	6	0.1
(2,147)	1:238:A:VAL:HG23	1:239:A:LEU:HD12	8	0.1
(2,121)	1:246:A:LEU:HD12	1:224:A:ILE:HG22	1	0.1
(2,121)	1:246:A:LEU:HD12	1:224:A:ILE:HG23	4	0.1
(2,93)	1:254:A:VAL:HG13	2:5481:C:THR:HG21	2	0.1
(2,67)	1:242:A:ILE:HD12	1:224:B:ILE:HA	2	0.1
(2,59)	1:202:A:VAL:HA	1:203:A:LEU:HD22	15	0.1
(2,28)	1:198:A:GLN:HA	1:201:A:LYS:HB2	1	0.1
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE1	17	0.1
(1,1156)	2:5482:C:PRO:HA	1:253:A:PHE:HE2	17	0.1
(1,1151)	1:217:B:TYR:HE1	2:5480:C:PRO:HG2	17	0.1
(1,1151)	1:217:B:TYR:HE2	2:5480:C:PRO:HG2	17	0.1
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	3	0.1
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	3	0.1
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE1	13	0.1
(1,1149)	2:5480:C:PRO:HB3	1:218:A:PHE:HE2	13	0.1
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	10	0.1
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	10	0.1
(1,1143)	1:253:A:PHE:HD1	2:5482:C:PRO:HG2	19	0.1
(1,1143)	1:253:A:PHE:HD2	2:5482:C:PRO:HG2	19	0.1
(1,1130)	1:247:A:TYR:HE1	2:5478:C:LYS:HB2	14	0.1
(1,1130)	1:247:A:TYR:HE2	2:5478:C:LYS:HB2	14	0.1
(1,1111)	1:247:A:TYR:HE1	2:5478:C:LYS:HA	19	0.1
(1,1111)	1:247:A:TYR:HE2	2:5478:C:LYS:HA	19	0.1
(1,1099)	2:5479:C:ILE:HB	1:218:A:PHE:HZ	4	0.1
(1,1097)	1:247:A:TYR:HE1	2:5479:C:ILE:HD11	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:247:A:TYR:HE1	2:5479:C:ILE:HD12	8	0.1
(1,1097)	1:247:A:TYR:HE1	2:5479:C:ILE:HD13	8	0.1
(1,1097)	1:247:A:TYR:HE2	2:5479:C:ILE:HD11	8	0.1
(1,1097)	1:247:A:TYR:HE2	2:5479:C:ILE:HD12	8	0.1
(1,1097)	1:247:A:TYR:HE2	2:5479:C:ILE:HD13	8	0.1
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	14	0.1
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	14	0.1
(1,1094)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	14	0.1
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	14	0.1
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	14	0.1
(1,1094)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	14	0.1
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	14	0.1
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	14	0.1
(1,1094)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	14	0.1
(1,1093)	1:246:A:LEU:HD11	2:5479:C:ILE:HG21	10	0.1
(1,1093)	1:246:A:LEU:HD11	2:5479:C:ILE:HG22	10	0.1
(1,1093)	1:246:A:LEU:HD11	2:5479:C:ILE:HG23	10	0.1
(1,1093)	1:246:A:LEU:HD12	2:5479:C:ILE:HG21	10	0.1
(1,1093)	1:246:A:LEU:HD12	2:5479:C:ILE:HG22	10	0.1
(1,1093)	1:246:A:LEU:HD12	2:5479:C:ILE:HG23	10	0.1
(1,1093)	1:246:A:LEU:HD13	2:5479:C:ILE:HG21	10	0.1
(1,1093)	1:246:A:LEU:HD13	2:5479:C:ILE:HG22	10	0.1
(1,1093)	1:246:A:LEU:HD13	2:5479:C:ILE:HG23	10	0.1
(1,1092)	1:255:A:ILE:HD11	2:5478:C:LYS:HA	19	0.1
(1,1092)	1:255:A:ILE:HD12	2:5478:C:LYS:HA	19	0.1
(1,1092)	1:255:A:ILE:HD13	2:5478:C:LYS:HA	19	0.1
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	6	0.1
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	6	0.1
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	6	0.1
(1,1089)	1:255:A:ILE:HD11	2:5478:C:LYS:HG2	14	0.1
(1,1089)	1:255:A:ILE:HD12	2:5478:C:LYS:HG2	14	0.1
(1,1089)	1:255:A:ILE:HD13	2:5478:C:LYS:HG2	14	0.1
(1,1075)	1:254:A:VAL:HG11	2:5483:C:GLN:HE22	7	0.1
(1,1075)	1:254:A:VAL:HG12	2:5483:C:GLN:HE22	7	0.1
(1,1075)	1:254:A:VAL:HG13	2:5483:C:GLN:HE22	7	0.1
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG21	12	0.1
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG22	12	0.1
(1,1072)	1:221:A:LEU:HD21	2:5479:C:ILE:HG23	12	0.1
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG21	12	0.1
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG22	12	0.1
(1,1072)	1:221:A:LEU:HD22	2:5479:C:ILE:HG23	12	0.1
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG21	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG22	12	0.1
(1,1072)	1:221:A:LEU:HD23	2:5479:C:ILE:HG23	12	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	5	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	5	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	5	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	7	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	7	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	7	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG21	14	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG22	14	0.1
(1,1051)	1:256:A:PRO:HD2	2:5481:C:THR:HG23	14	0.1
(1,1045)	1:255:A:ILE:HG21	2:5480:C:PRO:HB2	1	0.1
(1,1045)	1:255:A:ILE:HG22	2:5480:C:PRO:HB2	1	0.1
(1,1045)	1:255:A:ILE:HG23	2:5480:C:PRO:HB2	1	0.1
(1,1027)	1:254:A:VAL:HG21	2:5483:C:GLN:HG2	7	0.1
(1,1027)	1:254:A:VAL:HG22	2:5483:C:GLN:HG2	7	0.1
(1,1027)	1:254:A:VAL:HG23	2:5483:C:GLN:HG2	7	0.1
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	10	0.1
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	10	0.1
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	10	0.1
(1,1012)	1:249:A:THR:HG21	2:5480:C:PRO:HB3	16	0.1
(1,1012)	1:249:A:THR:HG22	2:5480:C:PRO:HB3	16	0.1
(1,1012)	1:249:A:THR:HG23	2:5480:C:PRO:HB3	16	0.1
(1,999)	2:5484:C:ARG:HA	2:5484:C:ARG:HG3	17	0.1
(1,997)	2:5476:C:PRO:HB2	2:5475:C:LYS:HA	7	0.1
(1,994)	2:5475:C:LYS:HA	2:5475:C:LYS:HD2	12	0.1
(1,990)	2:5485:C:LYS:HD3	2:5485:C:LYS:HA	8	0.1
(1,979)	2:5475:C:LYS:HG2	2:5475:C:LYS:HD3	8	0.1
(1,979)	2:5475:C:LYS:HG2	2:5475:C:LYS:HD3	11	0.1
(1,979)	2:5475:C:LYS:HG2	2:5475:C:LYS:HD3	12	0.1
(1,977)	2:5475:C:LYS:HA	2:5475:C:LYS:HE2	5	0.1
(1,956)	2:5476:C:PRO:HB3	2:5475:C:LYS:HA	6	0.1
(1,947)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	19	0.1
(1,947)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	19	0.1
(1,947)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	19	0.1
(1,944)	2:5478:C:LYS:HA	2:5478:C:LYS:HG2	19	0.1
(1,943)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	17	0.1
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	9	0.1
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	13	0.1
(1,911)	2:5478:C:LYS:HD3	2:5478:C:LYS:HB3	17	0.1
(1,904)	2:5478:C:LYS:HD2	2:5478:C:LYS:HA	12	0.1
(1,899)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE3	18	0.1
(1,898)	2:5478:C:LYS:HB3	2:5478:C:LYS:HE2	5	0.1
(1,895)	2:5476:C:PRO:HB3	2:5476:C:PRO:HG3	16	0.1
(1,874)	2:5476:C:PRO:HA	2:5476:C:PRO:HG2	13	0.1
(1,855)	2:5484:C:ARG:HD2	2:5484:C:ARG:HA	3	0.1
(1,846)	2:5481:C:THR:HB	2:5482:C:PRO:HD3	6	0.1
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG21	12	0.1
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG22	12	0.1
(1,813)	2:5479:C:ILE:HD11	2:5479:C:ILE:HG23	12	0.1
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG21	12	0.1
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG22	12	0.1
(1,813)	2:5479:C:ILE:HD12	2:5479:C:ILE:HG23	12	0.1
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG21	12	0.1
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG22	12	0.1
(1,813)	2:5479:C:ILE:HD13	2:5479:C:ILE:HG23	12	0.1
(1,804)	2:5479:C:ILE:HD11	2:5479:C:ILE:HB	8	0.1
(1,804)	2:5479:C:ILE:HD12	2:5479:C:ILE:HB	8	0.1
(1,804)	2:5479:C:ILE:HD13	2:5479:C:ILE:HB	8	0.1
(1,798)	2:5481:C:THR:HG21	2:5481:C:THR:HA	5	0.1
(1,798)	2:5481:C:THR:HG22	2:5481:C:THR:HA	5	0.1
(1,798)	2:5481:C:THR:HG23	2:5481:C:THR:HA	5	0.1
(1,796)	2:5481:C:THR:HB	2:5481:C:THR:HA	13	0.1
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	14	0.1
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	14	0.1
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	14	0.1
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	14	0.1
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD1	18	0.1
(1,780)	1:217:B:TYR:HE1	1:218:A:PHE:HD2	18	0.1
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD1	18	0.1
(1,780)	1:217:B:TYR:HE2	1:218:A:PHE:HD2	18	0.1
(1,772)	1:219:A:GLY:H	1:224:A:ILE:HD12	3	0.1
(1,706)	1:240:A:GLN:HE21	1:243:A:VAL:HG12	7	0.1
(1,606)	1:223:A:ASN:H	1:221:A:LEU:HD13	3	0.1
(1,577)	1:232:A:GLU:HB2	1:233:A:GLY:HA3	18	0.1
(1,551)	1:196:A:LEU:HD11	1:199:B:GLN:H	2	0.1
(1,472)	1:196:A:LEU:HD23	1:193:B:ALA:HA	12	0.1
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	2	0.1
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	6	0.1
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	7	0.1
(1,452)	1:204:A:LYS:HA	1:204:A:LYS:HD3	10	0.1
(1,450)	1:205:A:LEU:HB2	1:202:A:VAL:HB	18	0.1
(1,433)	1:199:A:GLN:H	1:200:A:VAL:HG11	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:209:A:ASP:HB2	1:210:A:LEU:HD23	6	0.1
(1,421)	1:209:A:ASP:HB2	1:208:A:GLU:HB2	6	0.1
(1,393)	1:221:A:LEU:HD12	1:220:B:LYS:HA	14	0.1
(1,386)	1:224:A:ILE:HB	1:227:A:ILE:HG21	11	0.1
(1,371)	1:226:A:LEU:HD22	1:222:A:ARG:HD3	3	0.1
(1,347)	1:234:A:GLU:HB2	1:231:A:ASN:HB3	5	0.1
(1,315)	1:239:A:LEU:HD11	1:231:A:ASN:HB2	7	0.1
(1,309)	1:239:A:LEU:HD21	1:236:A:ASP:HB2	5	0.1
(1,229)	1:256:A:PRO:HG2	1:255:A:ILE:HG23	5	0.1
(1,203)	1:202:A:VAL:HA	1:203:A:LEU:HA	4	0.1
(1,203)	1:202:A:VAL:HA	1:203:A:LEU:HA	17	0.1
(1,191)	1:207:A:VAL:H	1:210:A:LEU:HD23	10	0.1
(1,178)	1:215:A:ASP:HA	1:219:A:GLY:HA3	5	0.1
(1,161)	1:231:A:ASN:H	1:230:A:GLU:HA	3	0.1
(1,132)	1:244:A:ASP:HA	1:246:A:LEU:H	1	0.1
(1,8)	1:228:A:CYS:HA	1:224:A:ILE:HG22	17	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found