wwPDB EM Map/Model Validation Report (i)

Apr 10, 2016 – 02:12 PM BST

PDB ID	:	2W4H
Title	:	Isometrically contracting insect asynchronous flight muscle quick frozen after a quick release step
Authors	:	Wu, S.; Liu, J.; Reedy, M.C.; Tregear, R.T.; Winkler, H.; Franzini-Armstrong, C.; Sasaki, H.; Lucaveche, C.; Goldman, Y.E.; Reedy, M.K.; Taylor, K.A.
Deposited on	:	2008-11-25
Resolution	:	35.00 Å(reported)

This is a wwPDB EM Map/Model Validation Report for a publicly released PDB/EMDB entry.
For rigid body fitted models, validation errors reported here could
stem from errors in the original structure(s) used in the fitting.
We welcome your comments at validation@mail.wwpdb.org
A user guide is available at
http://wwpdb.org/validation/2016/EMValidationReportHelp

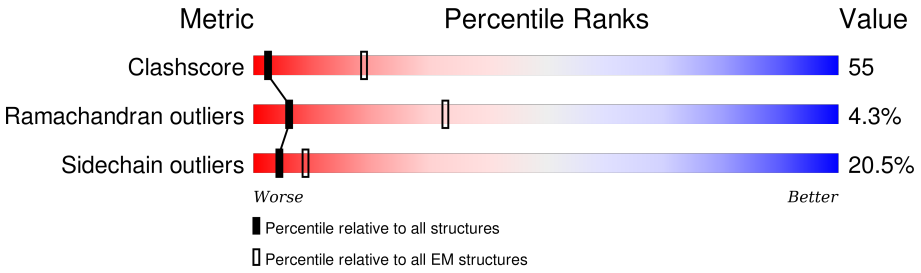
MolProbity	:	4.02b-467
Mogul	:	unknown
Percentile statistics	:	20151230.v01 (using entries in the PDB archive December 30th 2015)
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et. al. (1996)
Validation Pipeline (wwPDB-VP)	:	trunk27241

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 35.00 Å.

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)	EM structures (#Entries)
Clashscore	114402	924
Ramachandran outliers	111179	726
Sidechain outliers	111093	686

The table below summarises the geometric issues observed across the polymeric chains. The red, orange, yellow and green segments on the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria. 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	1-B	150	49% 35% 13% •
1	10-B	150	49% 36% 13% •
1	11-B	150	49% 35% 14% •
1	12-B	150	49% 34% 15% •
1	13-B	150	49% 36% 13% •
1	14-B	150	49% 35% 14% •
1	2-B	150	49% 35% 14% •
1	3-B	150	49% 36% 14% •
1	4-B	150	49% 35% 13% •

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Mol	Chain	Length	Quality of chain
1	5-B	150	47% 37% 14%
1	6-B	150	49% 36% 13%
1	7-B	150	49% 34% 15%
1	8-B	150	49% 34% 15%
1	9-B	150	49% 35% 15%
2	1-C	145	52% 39% 8%
2	10-C	145	52% 39% 8%
2	11-C	145	52% 39% 8%
2	12-C	145	52% 39% 8%
2	13-C	145	52% 39% 8%
2	14-C	145	52% 39% 8%
2	2-C	145	52% 39% 8%
2	3-C	145	52% 39% 8%
2	4-C	145	52% 39% 8%
2	5-C	145	52% 39% 8%
2	6-C	145	52% 39% 8%
2	7-C	145	52% 39% 8%
2	8-C	145	52% 39% 8%
2	9-C	145	52% 39% 8%
3	1-M	840	26% 47% 19%
3	10-M	840	28% 46% 19%
3	11-M	840	28% 46% 19%
3	12-M	840	28% 47% 18%
3	13-M	840	28% 46% 19%
3	14-M	840	28% 46% 18%

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Mol	Chain	Length	Quality of chain
3	2-M	840	26% 48% 19%
3	3-M	840	27% 47% 19%
3	4-M	840	26% 48% 19%
3	5-M	840	27% 47% 19%
3	6-M	840	27% 47% 19%
3	7-M	840	26% 48% 19%
3	8-M	840	27% 47% 19%
3	9-M	840	27% 47% 19%

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 122612 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	2-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	3-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	4-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	5-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	6-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	7-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	8-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	9-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	10-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	11-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	12-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	13-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		
1	14-B	150	Total	C	N	O	S	0	0
			1177	748	187	234	8		

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	26	ASP	GLU	CONFLICT	UNP P02609

- Molecule 2 is a protein called MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	1-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	2-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	3-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	4-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	5-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	6-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	7-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	8-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	9-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	10-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	11-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	12-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	13-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		
2	14-C	145	Total	C	N	O	S	0	0
			1126	701	188	230	7		

- Molecule 3 is a protein called MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	1-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	2-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	3-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	4-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	5-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	6-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	7-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	8-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	9-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	10-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	11-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	12-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	13-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		
3	14-M	804	Total	C	N	O	S	0	0
			6455	4140	1089	1190	36		

There is a discrepancy between the modelled and reference sequences:

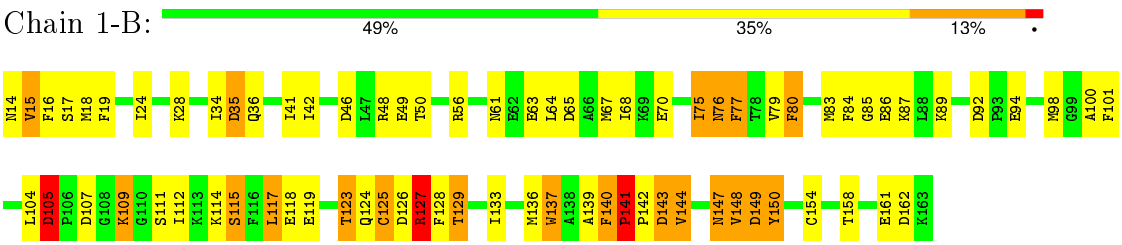
Chain	Residue	Modelled	Actual	Comment	Reference
M	138	LYS	GLU	CONFLICT	UNP P02609

3 Residue-property plots (i)

These plots are drawn for all protein, RNA and DNA chains in the entry. The first graphic for a chain summarises the proportions of errors displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry. Residues are color-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 outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

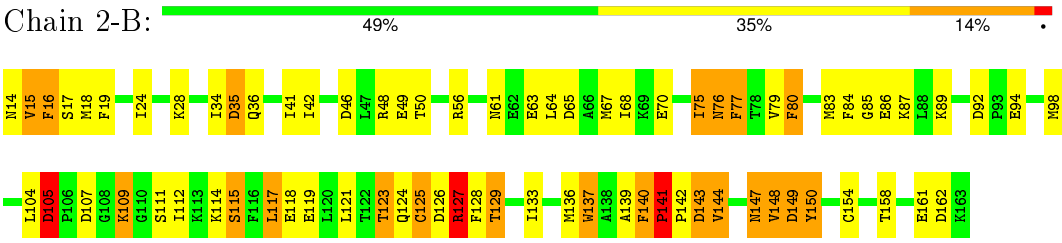
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 1-B:



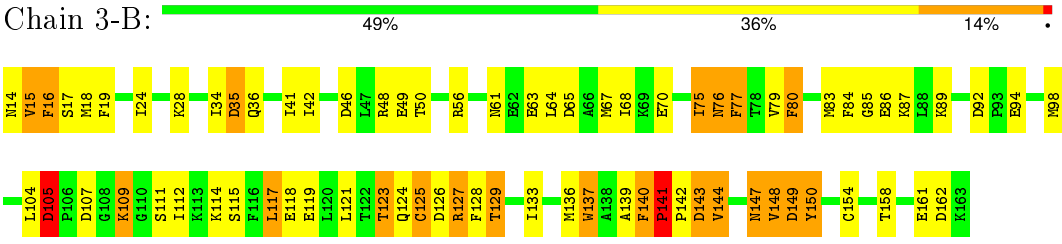
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 2-B:



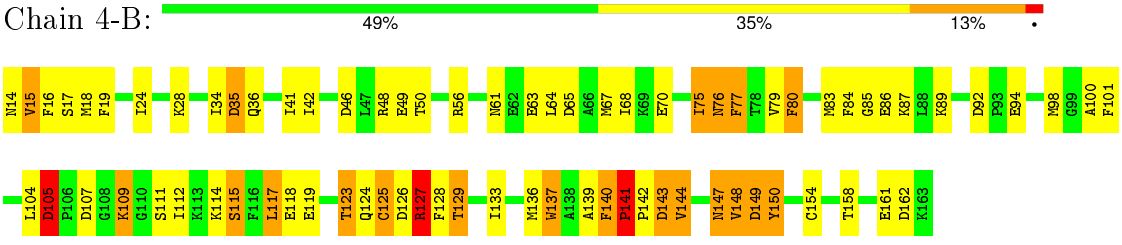
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 3-B:



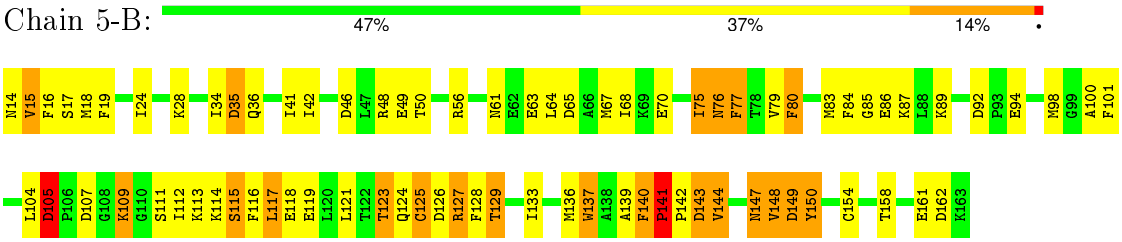
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 4-B:



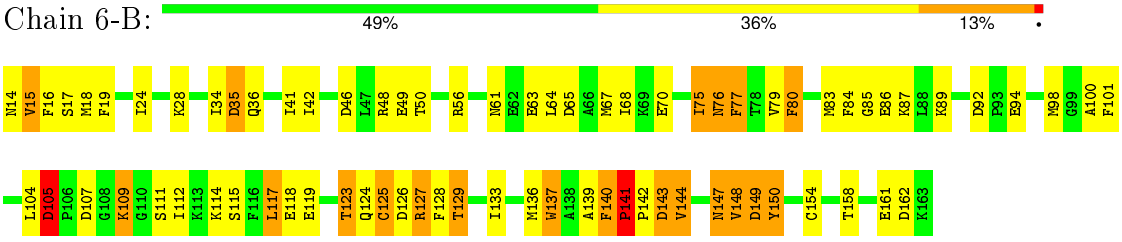
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 5-B:



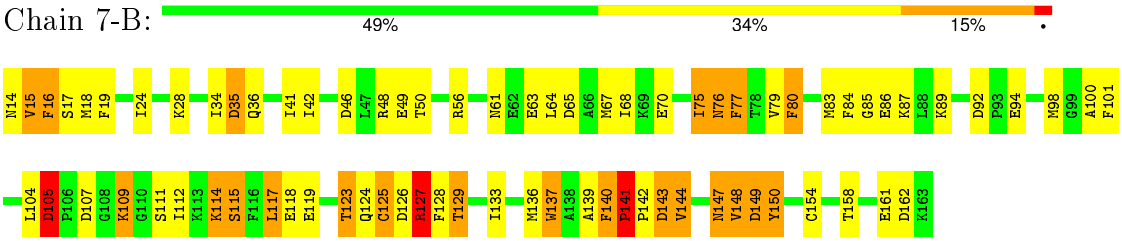
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 6-B:



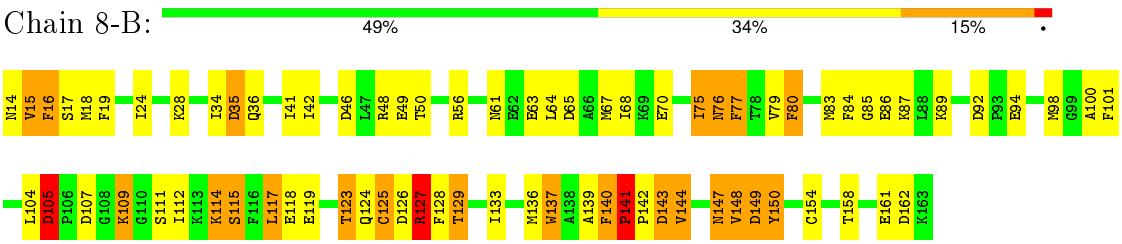
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 7-B:



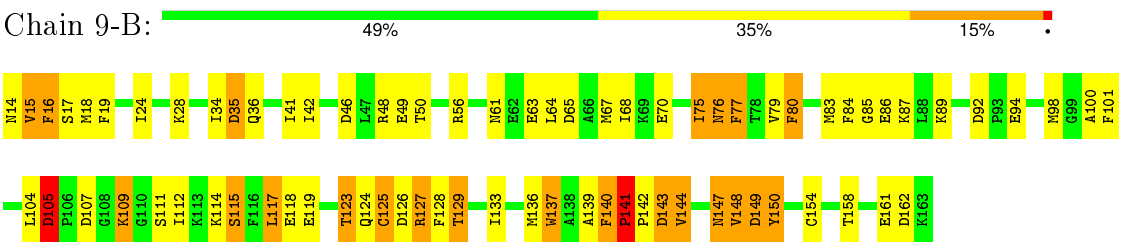
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 8-B:



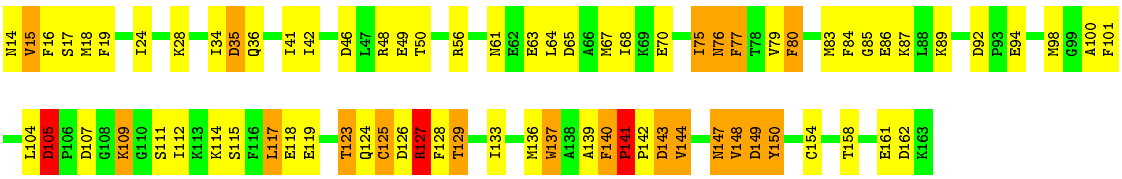
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 9-B:



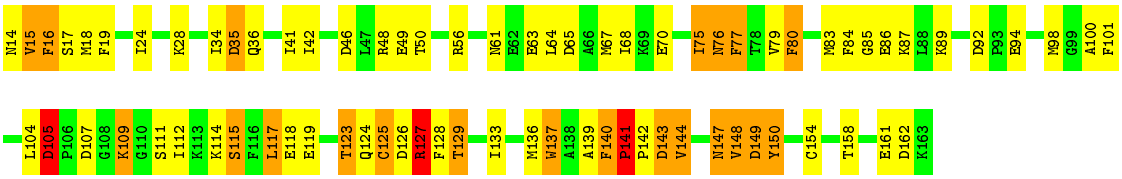
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 10-B:



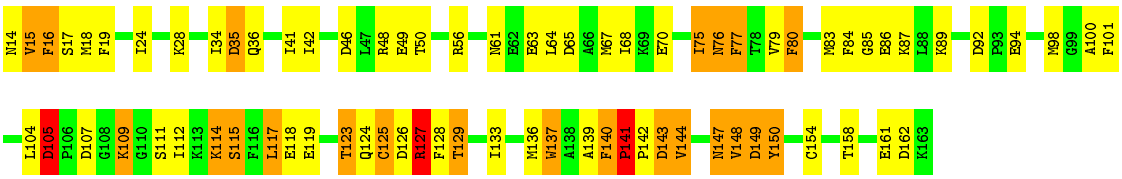
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 11-B:



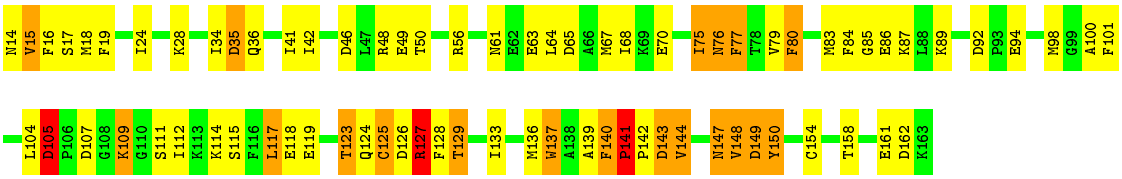
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 12-B:



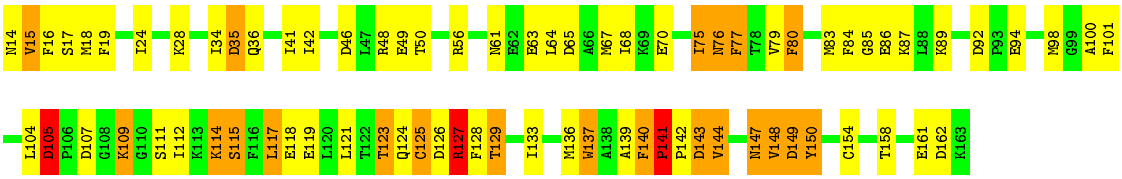
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 13-B:



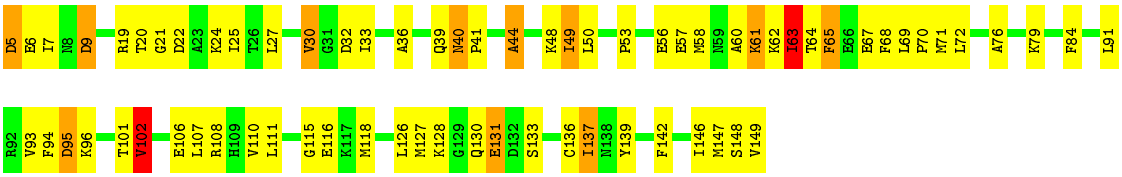
• Molecule 1: MYOSIN REGULATORY LIGHT CHAIN 2, SKELETAL MUSCLE ISOFORM

Chain 14-B:



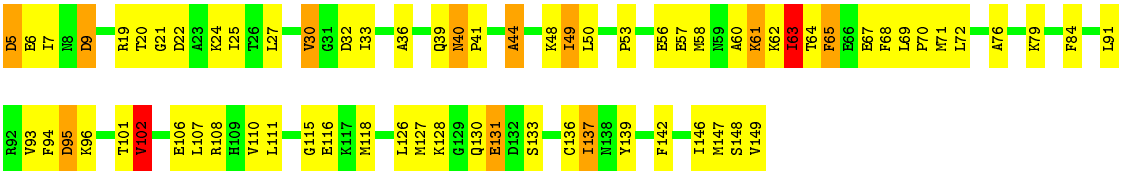
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 1-C:



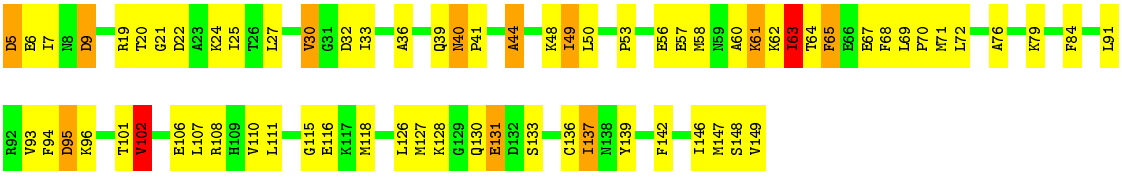
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 2-C:



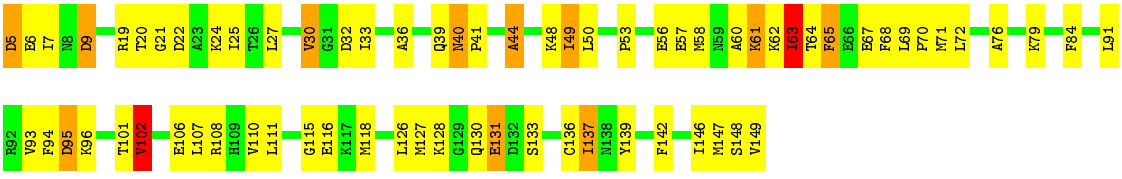
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 3-C:



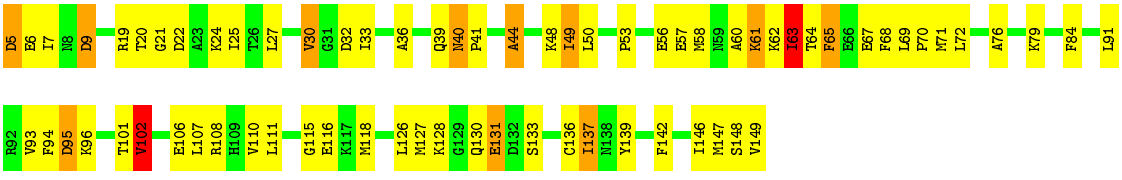
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 4-C:



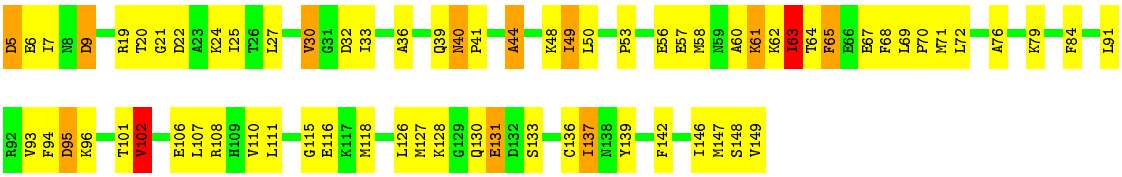
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 5-C:



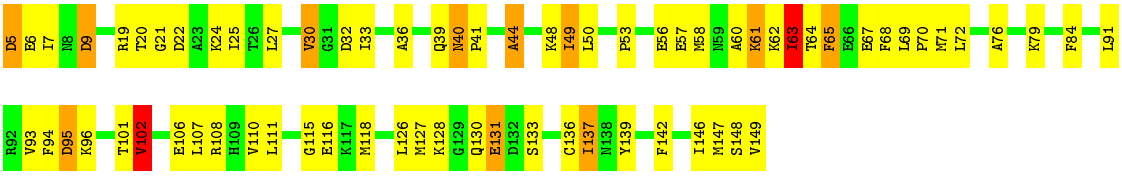
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 6-C:



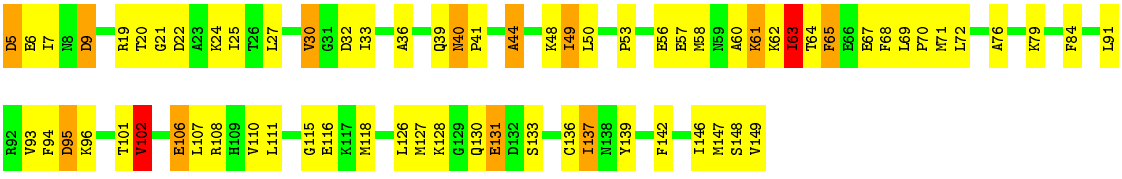
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 7-C:



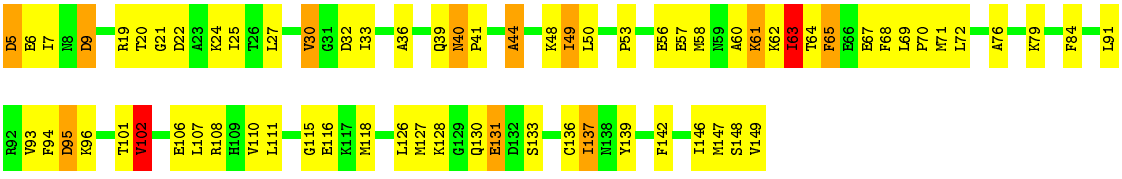
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 8-C:



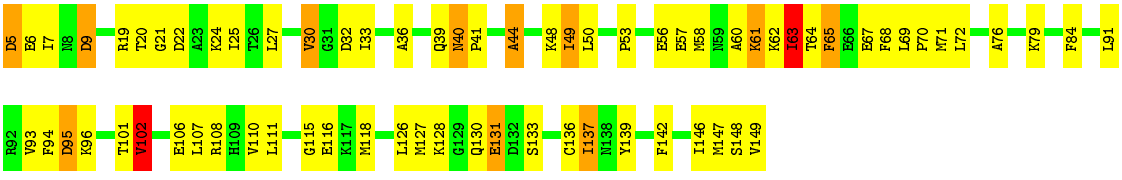
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 9-C:



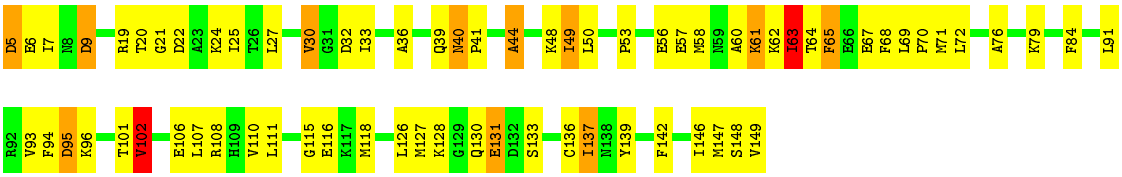
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 10-C:



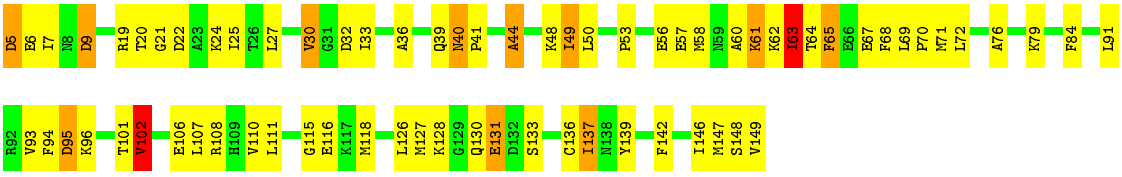
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 11-C:



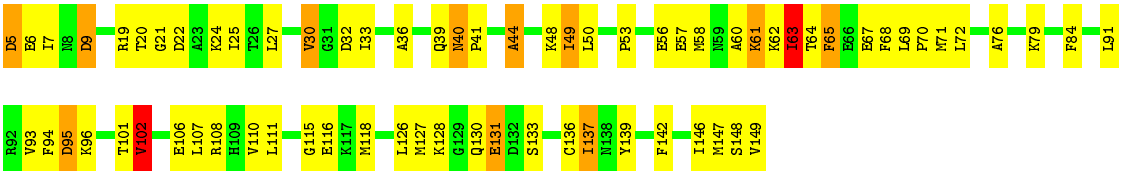
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 12-C:



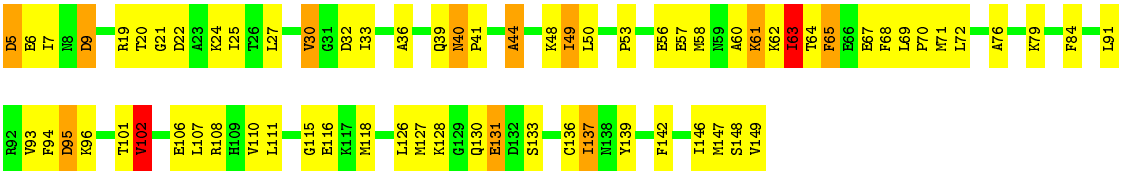
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

Chain 13-C:



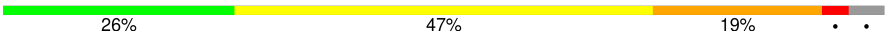
• Molecule 2: MYOSIN LIGHT CHAIN 3, SKELETAL MUSCLE ISOFORM

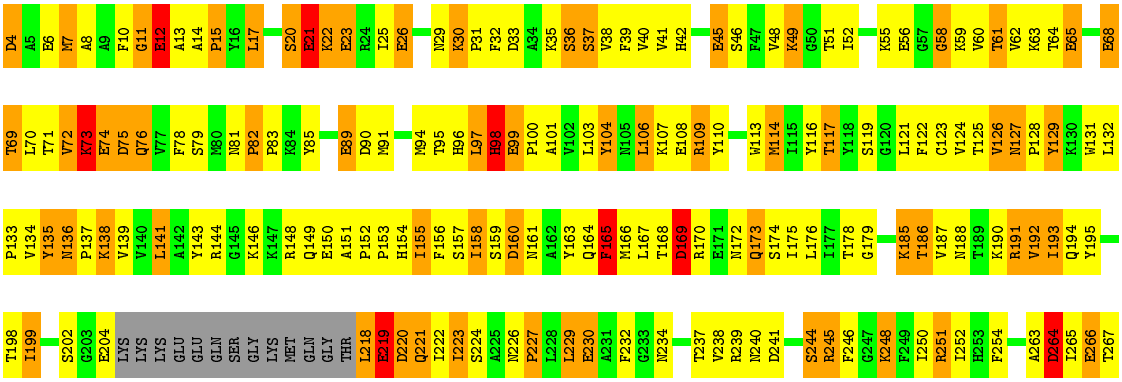
Chain 14-C:

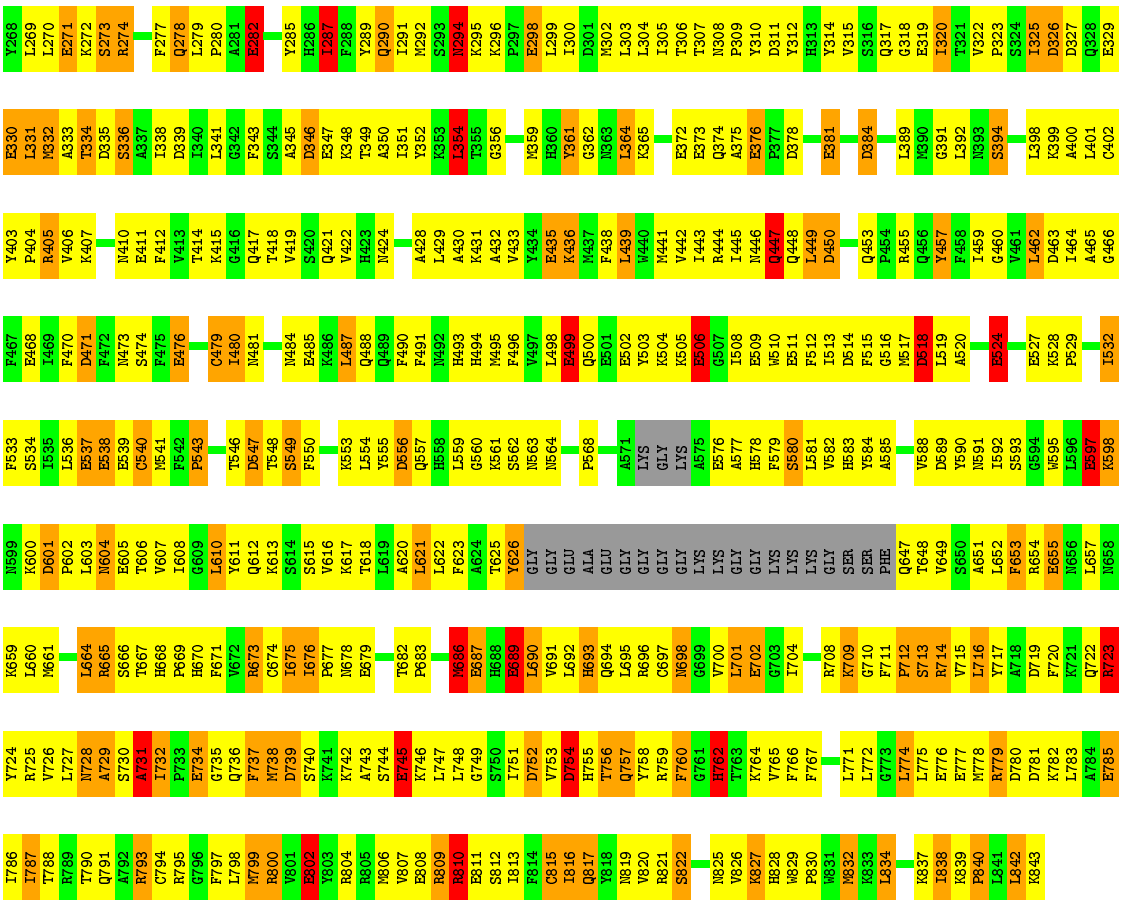


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 1-M:

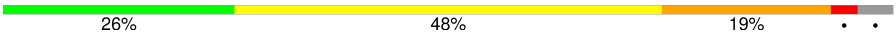


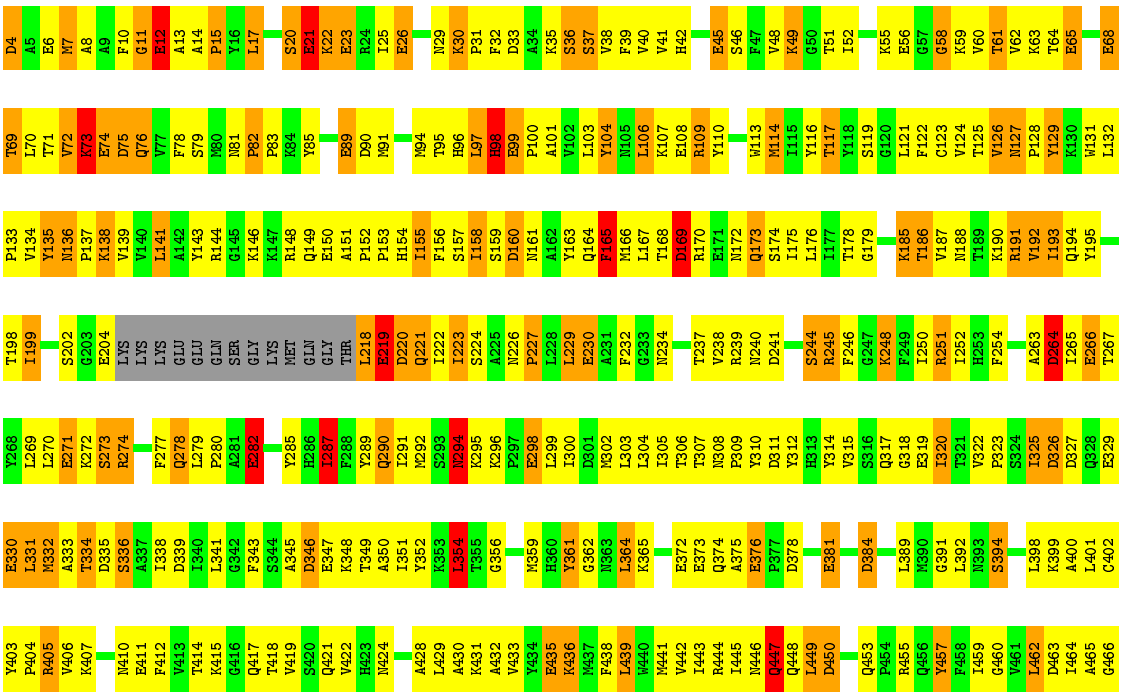




- Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 2-M:





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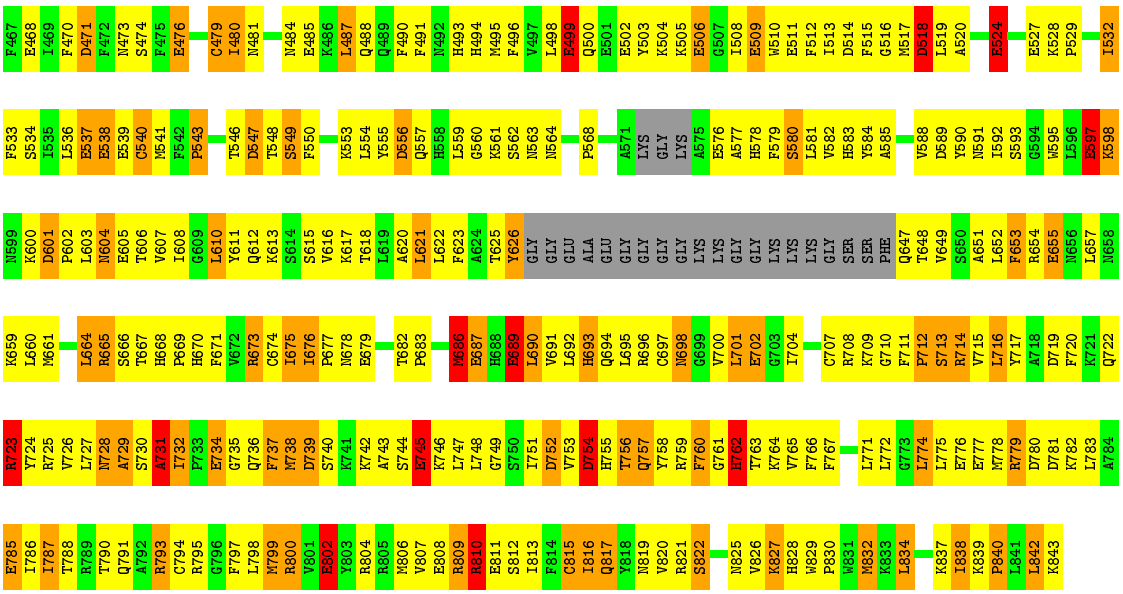
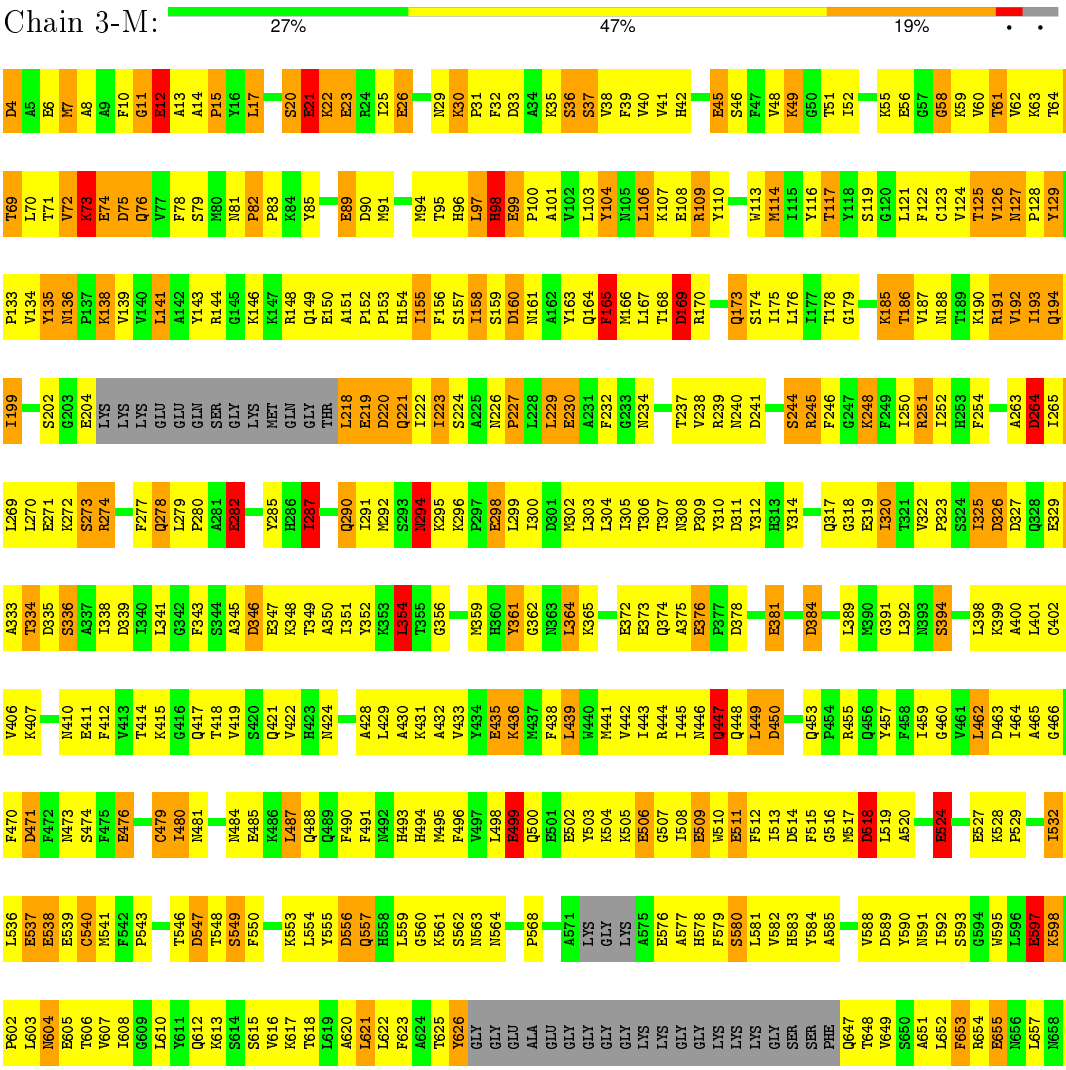


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 3-M:



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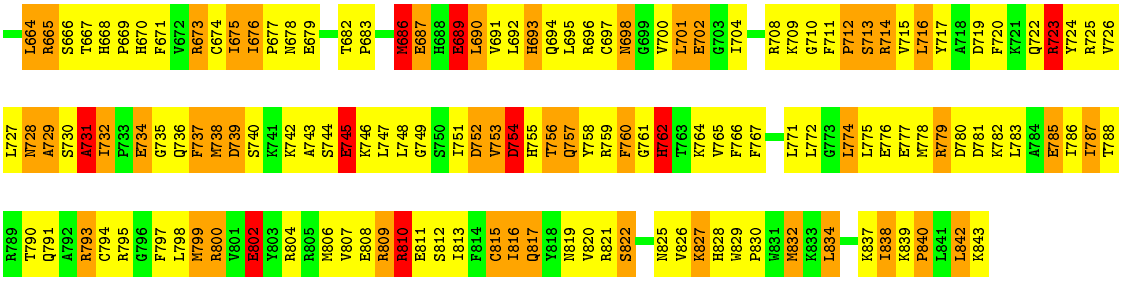
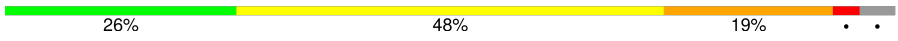
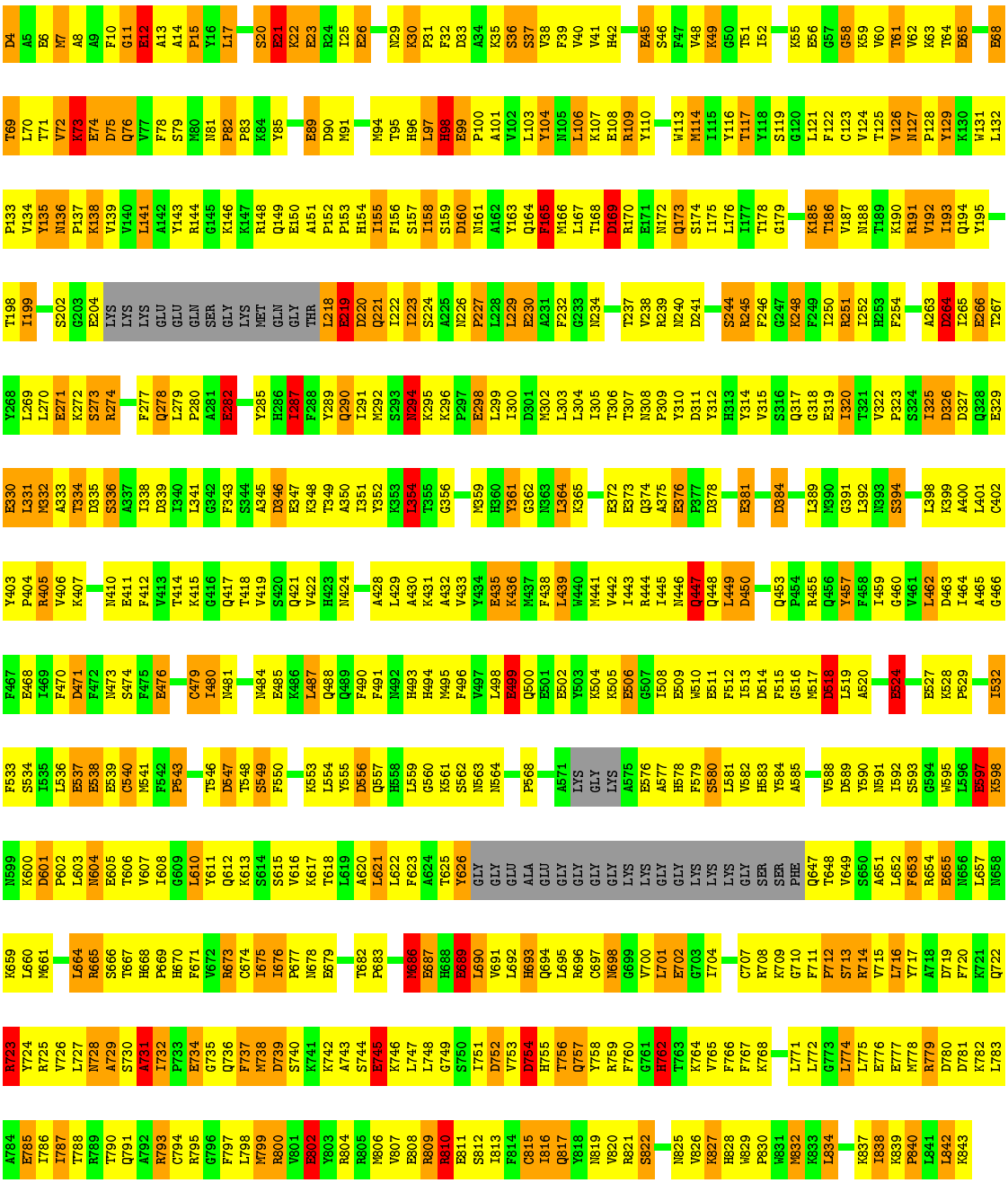


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 4-M:





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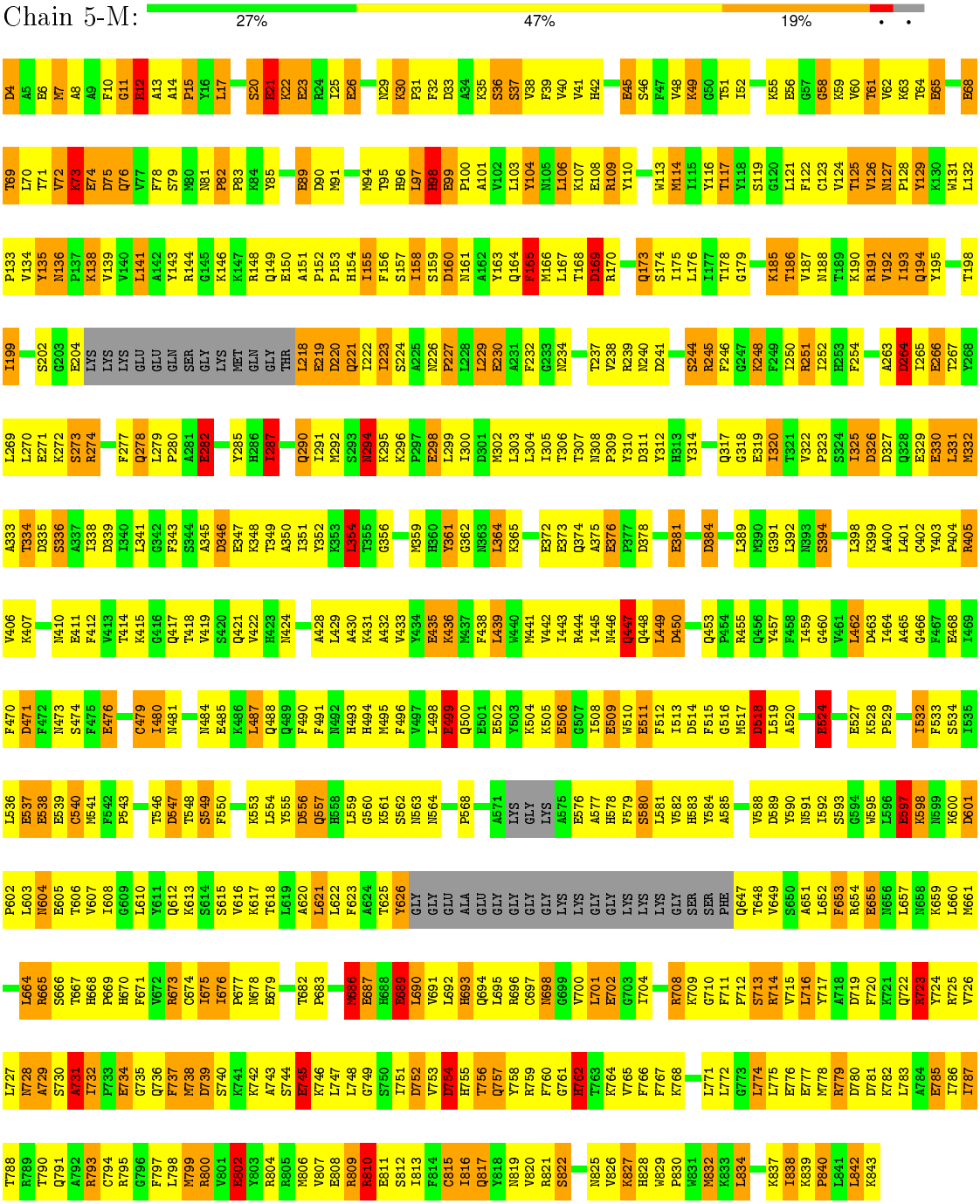
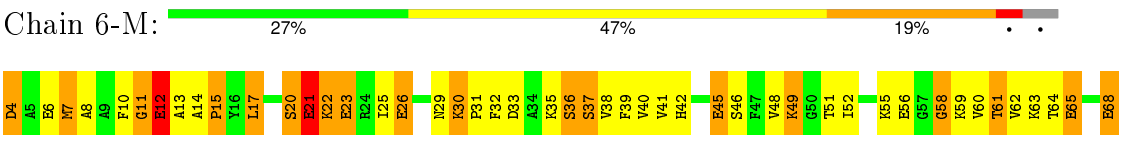
- Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

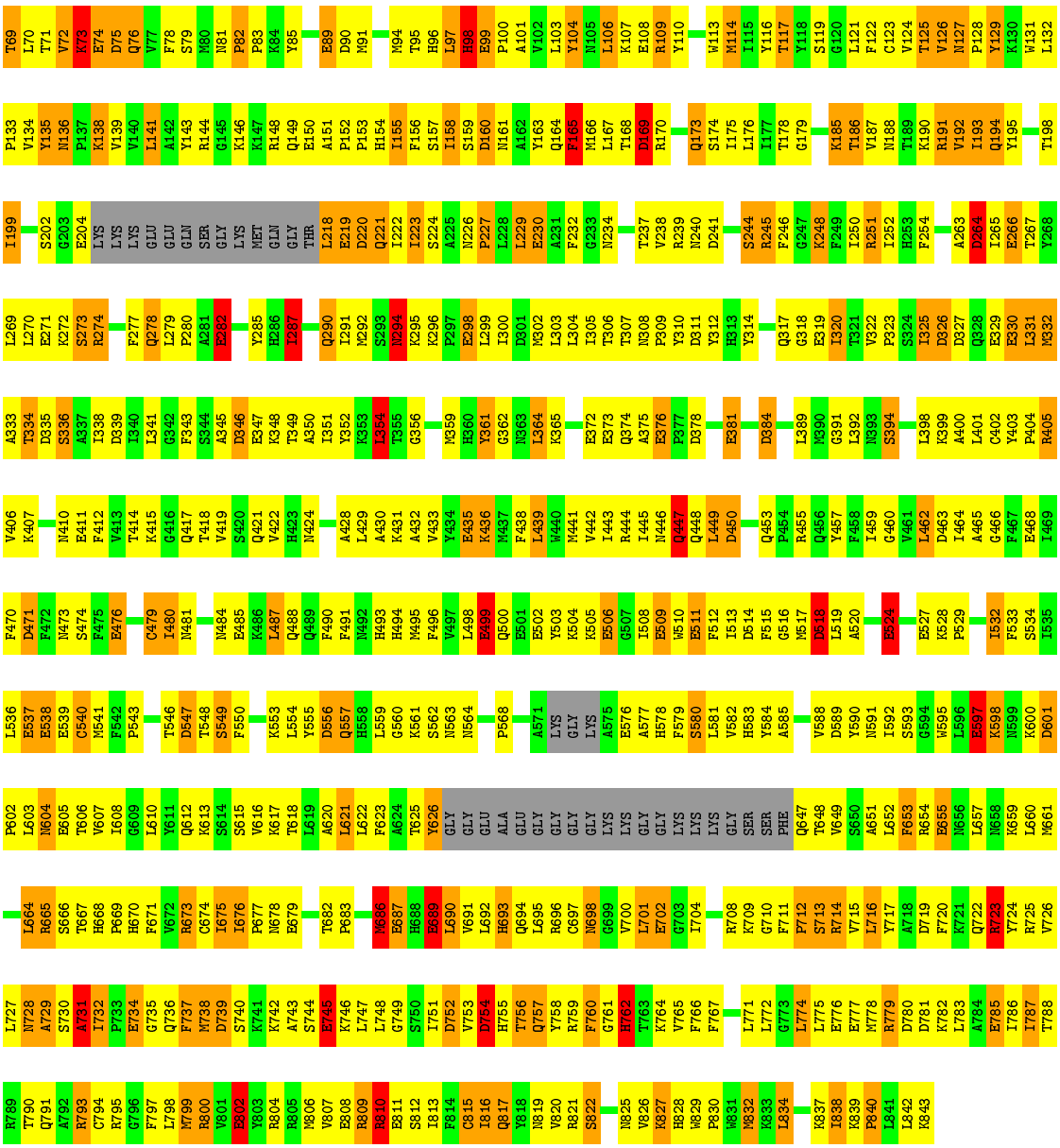
Chain 5-M:



- Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

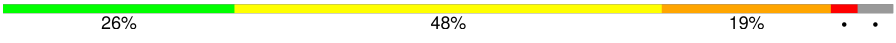
Chain 6-M:

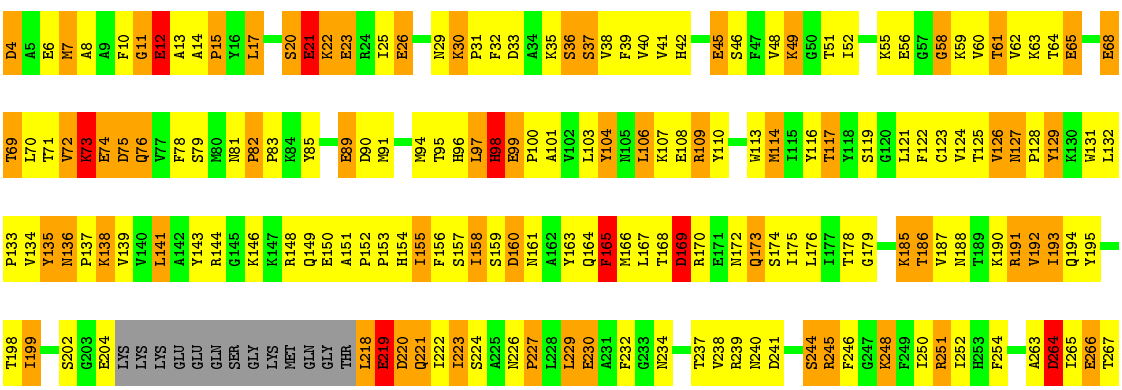


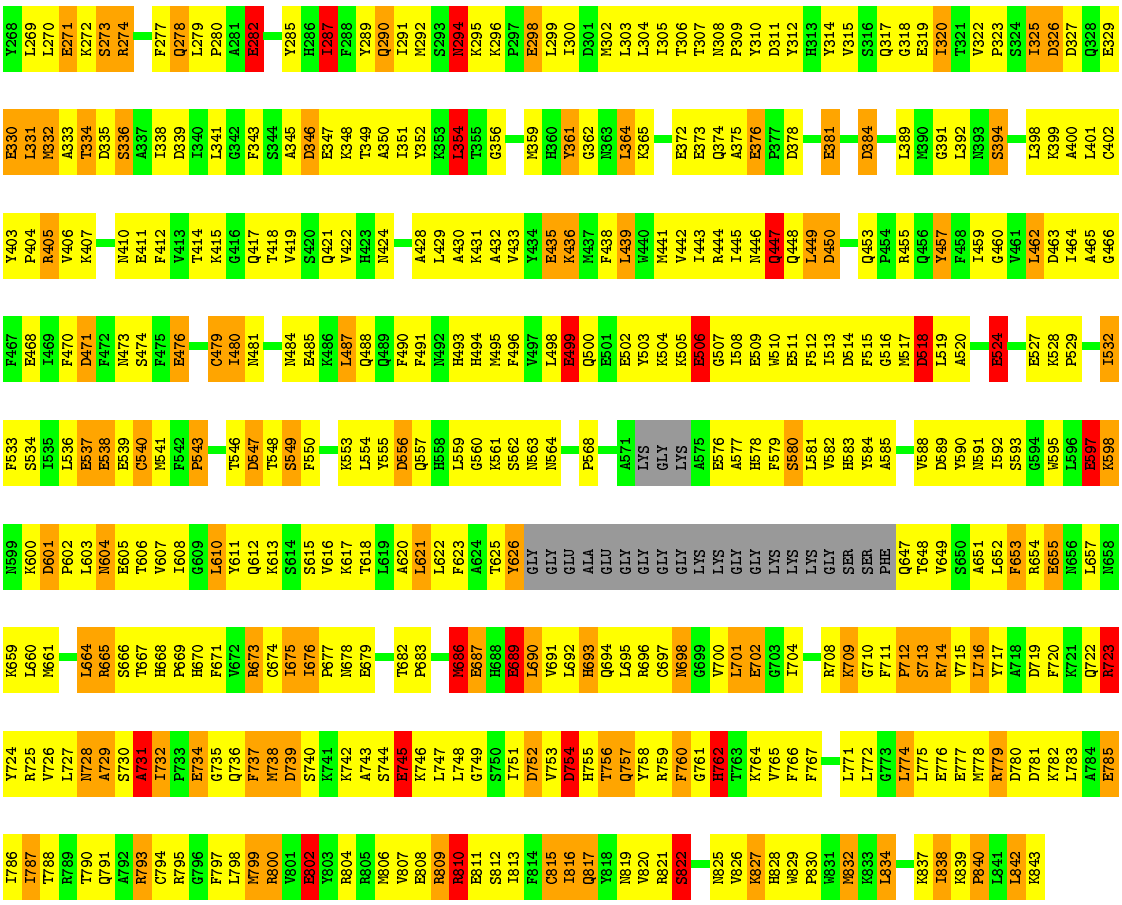


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 7-M:

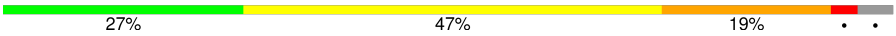


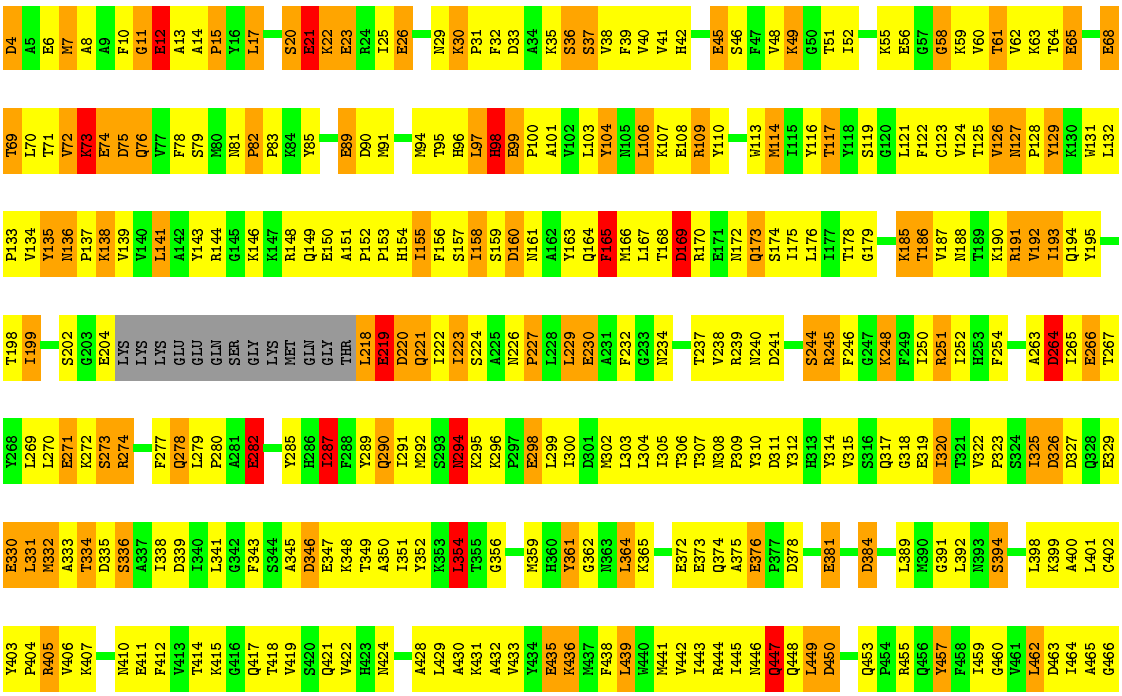




- Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 8-M:





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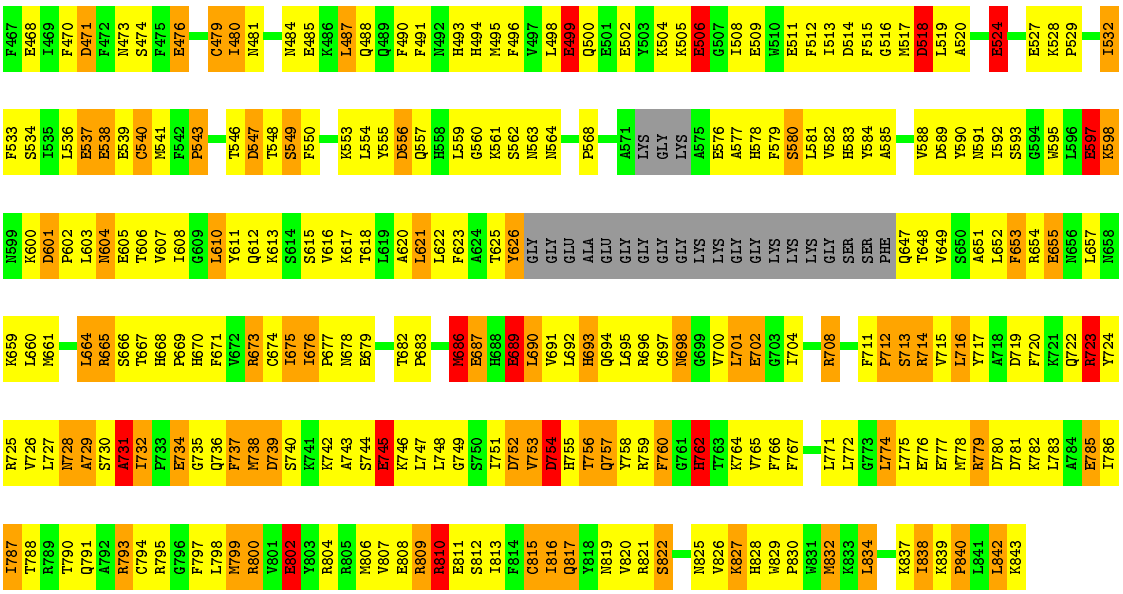
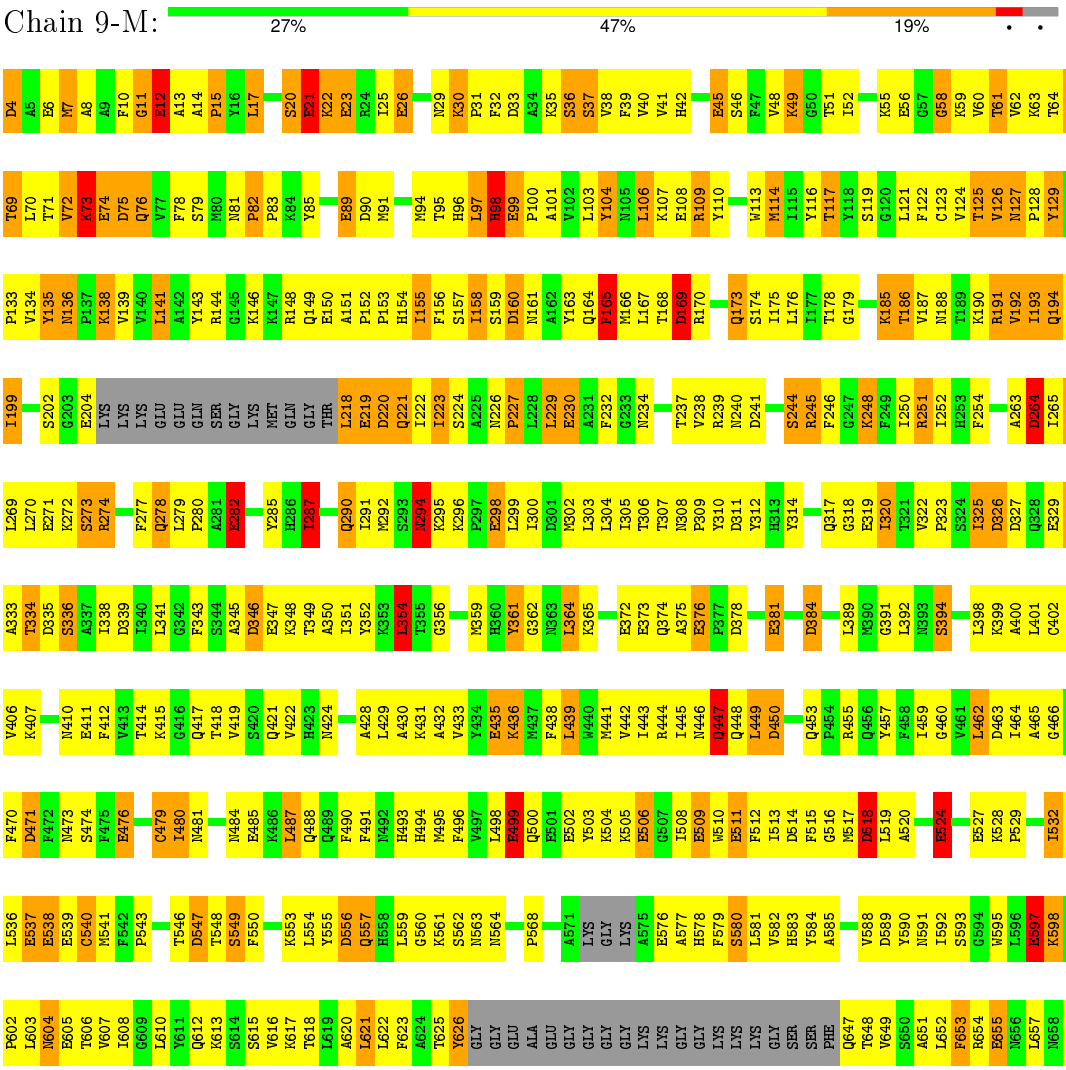


• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 9-M:



WORLDWIDE PDB PROTEIN DATA BANK
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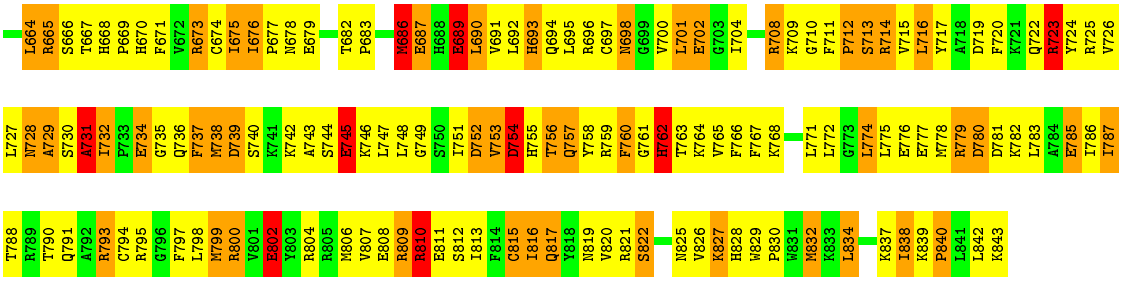

• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

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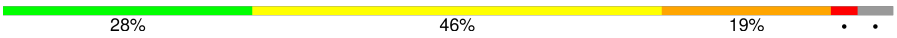
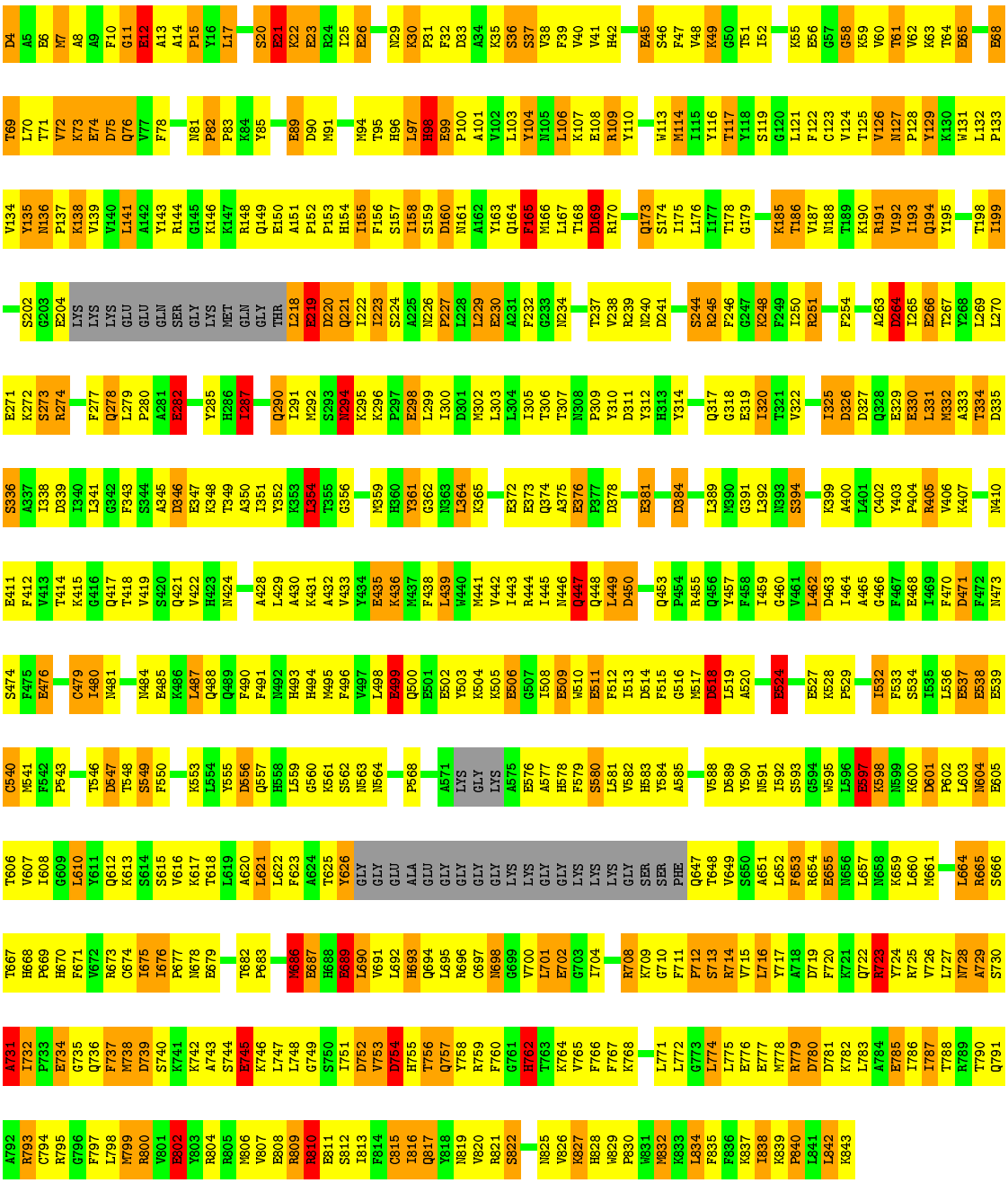
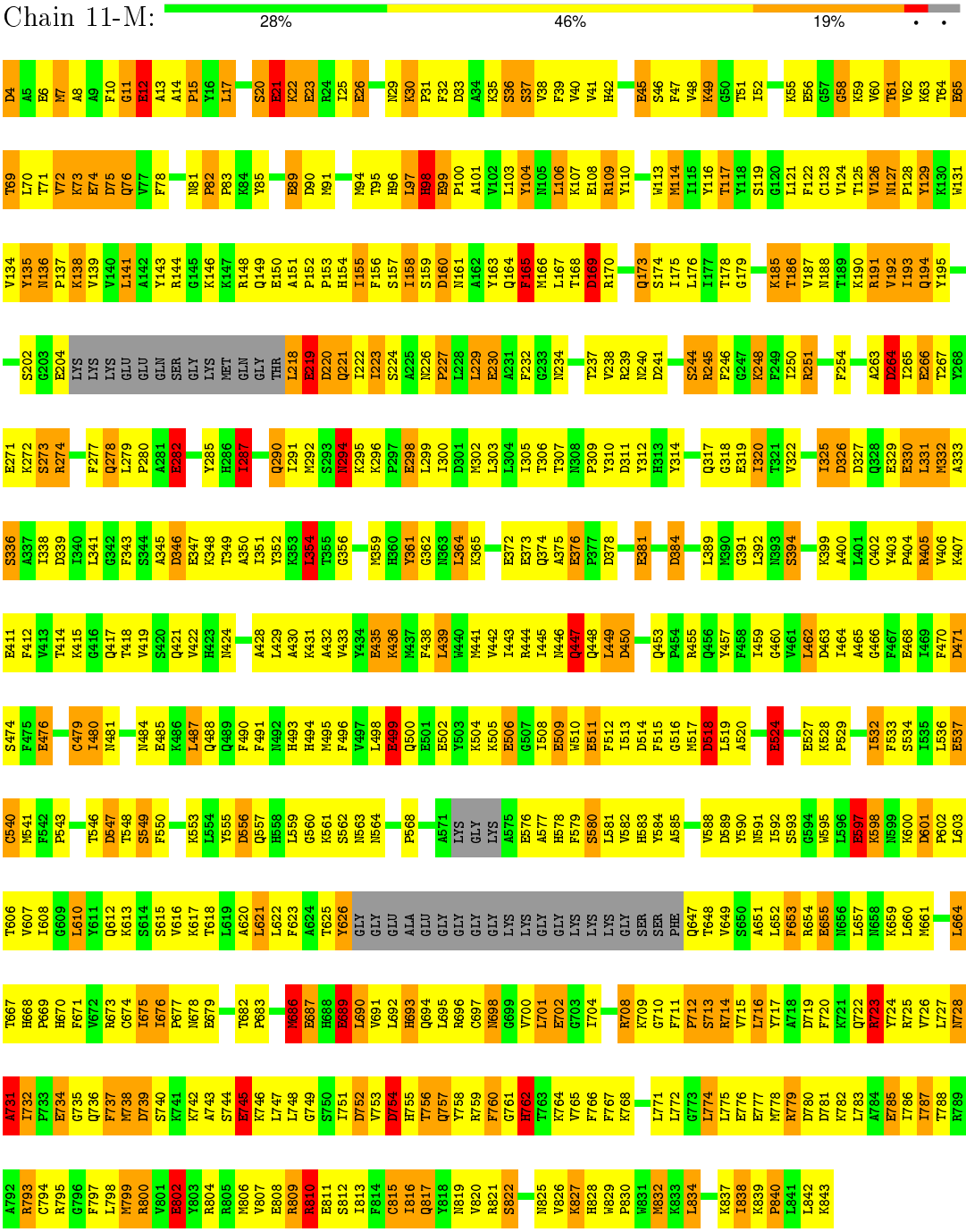




WORLDWIDE PDB PROTEIN DATA BANK
EMDataBank Unified Data Resource for 3DEM

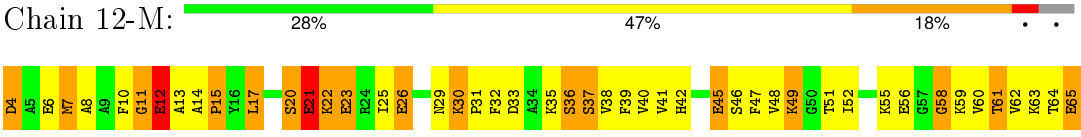
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

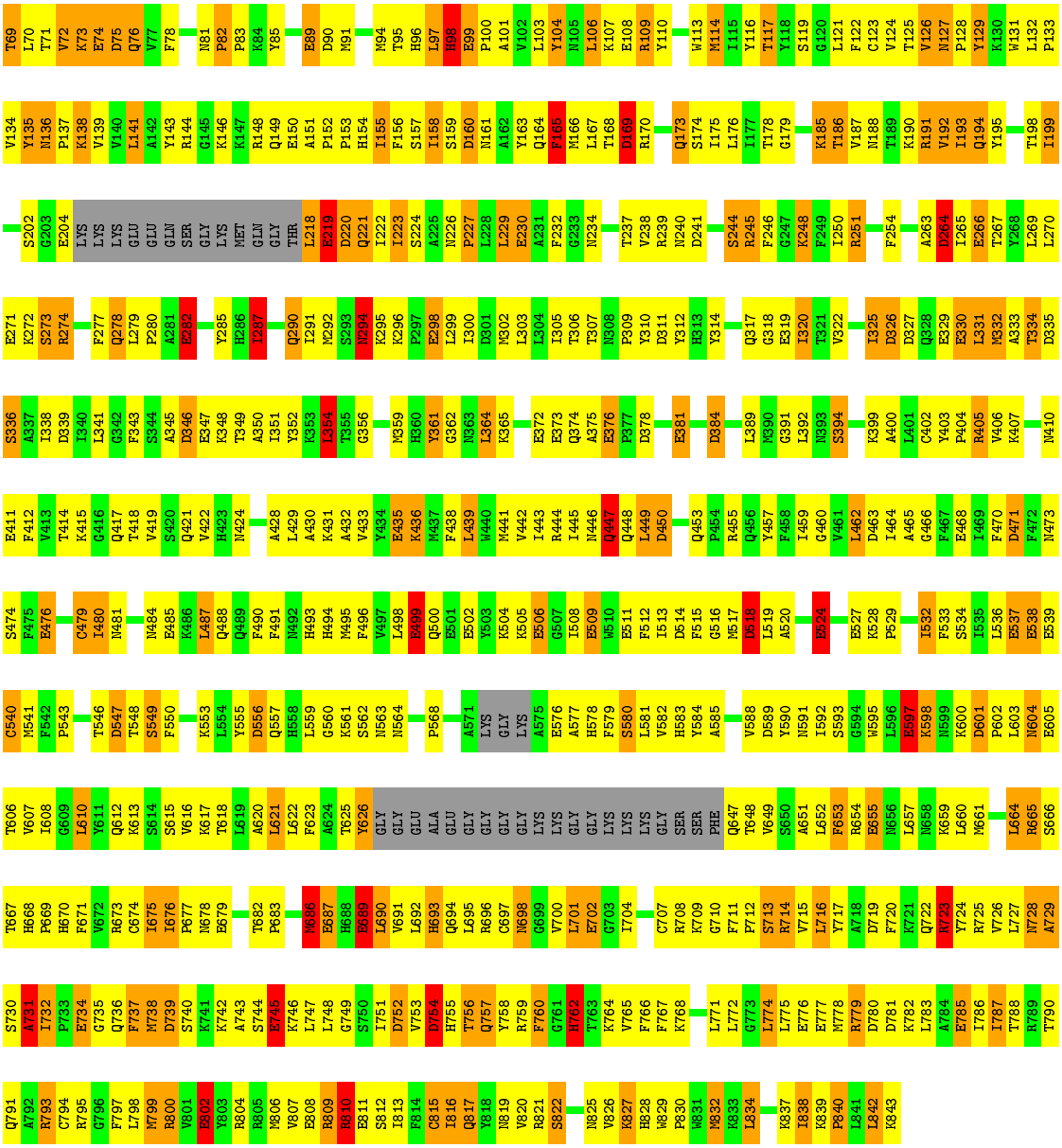
Chain 11-M:



• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

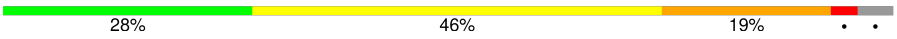
Chain 12-M:

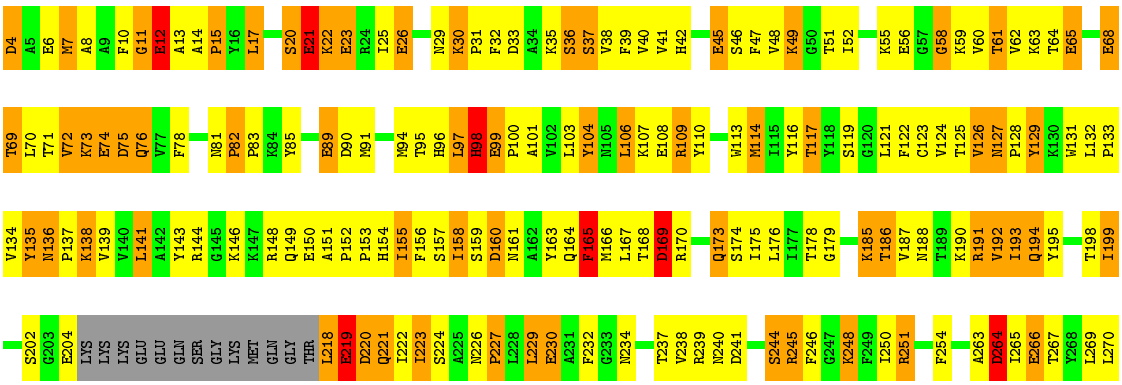




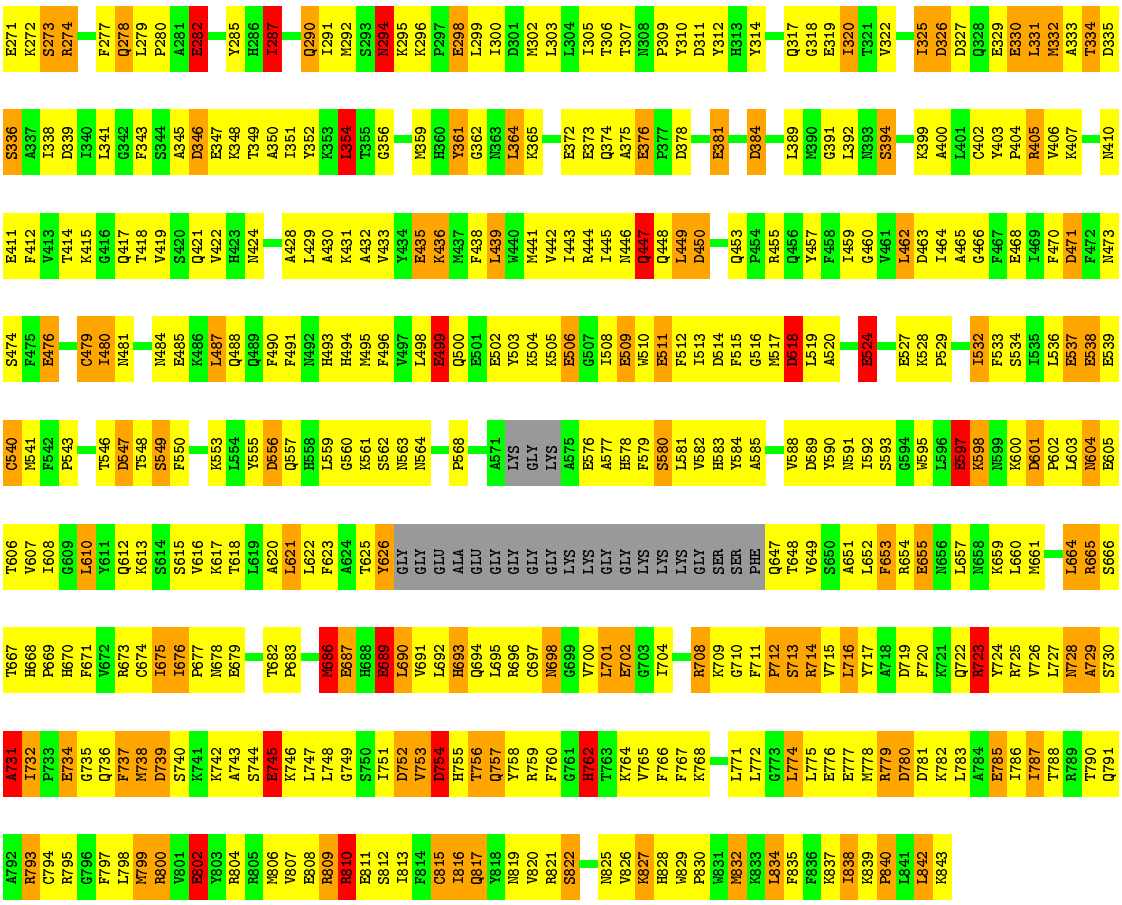
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 13-M:



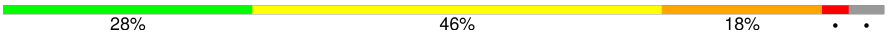


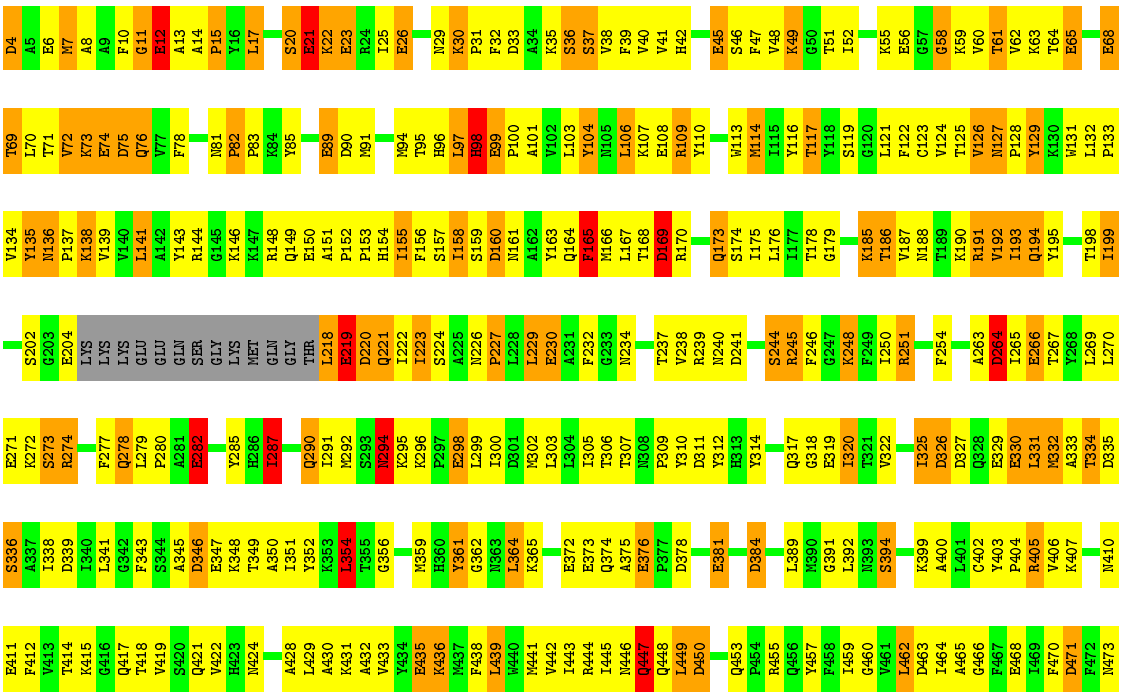
WORLDWIDE PDB PROTEIN DATA BANK
EMDataBank Unified Data Resource for 3DEM



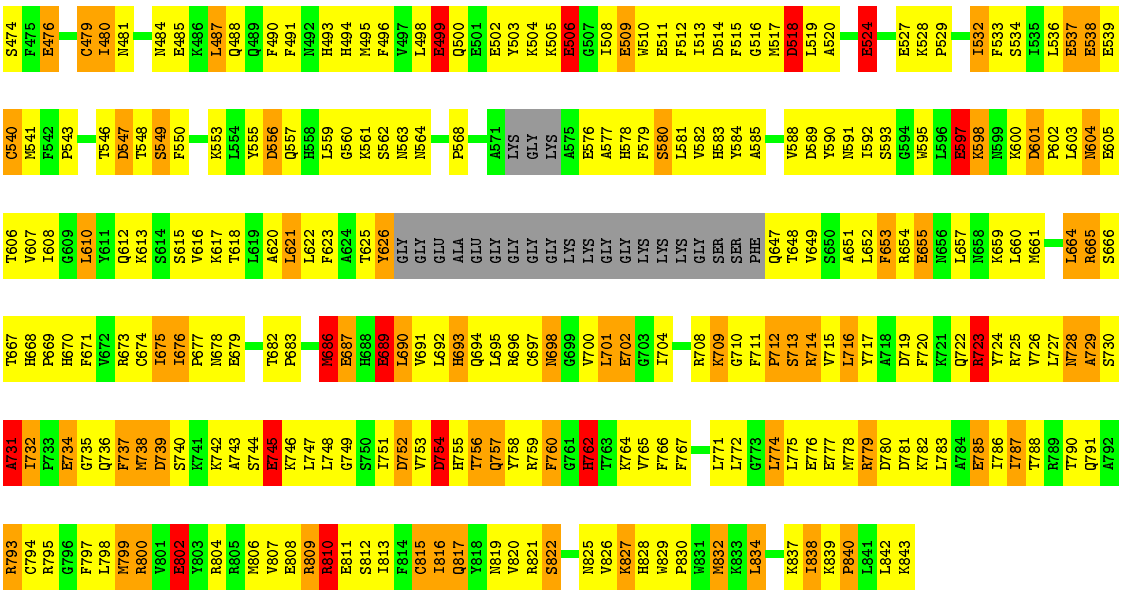
• Molecule 3: MYOSIN HEAVY CHAIN, SKELETAL MUSCLE, ADULT

Chain 14-M:





WORLDWIDE PDB PROTEIN DATA BANK
EMDataBank Unified Data Resource for 3DEM


S474 F475 E476 C479 I480 N481 N484 E485 K486 L487 Q488 Q489 F490 F491 N492 H493 H494 M495 F496 V497 L498 E499 Q500 E501 E502 Y503 K504 K505 E506 G507 I508 E509 W510 E511 F512 I513 D514 F515 G516 M517 D518 L519 A520 E524 E527 K528 P529 I532 P533 S534 I535 L536 E537 E538 E539
C540 M541 F542 P543 T546 D547 T548 S549 F550 K553 L554 Y555 D556 Q557 H558 L559 G560 K561 S562 N563 N564 P568 A571 LYS GLY LYS A575 E576 A577 H578 F579 S580 L581 V582 H583 Y584 A585 V588 D589 Y590 N591 I592 S593 G594 W595 L596 E597 K598 N599 K600 D601 P602 L603 N604 E605
T606 V607 I608 G609 L610 Y611 Q612 K613 S614 S615 V616 K617 T618 L619 A620 L621 L622 F623 A624 T625 Y626 GLY GLY GLU ALA GLU GLY GLY GLY LYS LYS GLY GLY LYS LYS LYS GLY SER SER PHE Q647 T648 V649 S650 A651 L652 F653 R654 E655 N656 L657 N658 K659 L660 M661 L664 R665 S666
T667 H668 P669 H670 F671 V672 R673 C674 I675 I676 P677 N678 E679 T682 P683 M686 E687 H688 E689 L690 V691 L692 H693 Q694 L695 R696 C697 N698 G699 V700 L701 E702 G703 I704 R708 K709 G710 F711 P712 S713 R714 V715 L716 Y717 A718 D719 F720 K721 Q722 R723 Y724 R725 V726 L727 N728 A729 S730
A731 I732 P733 E734 G735 Q736 F737 M738 D739 S740 K741 K742 A743 S744 E745 K746 L747 L748 G749 S750 I751 D752 V753 D754 H755 T756 Q757 Y758 R759 F760 G761 H762 T763 K764 V765 F766 F767 L771 L772 G773 L774 L775 E776 E777 M778 R779 D780 D781 K782 L783 A784 E785 I786 I787 T788 R789 T790 Q791 A792
R793 C794 R795 G796 F797 L798 M799 R800 W801 E802 Y803 R804 R805 M806 V807 E808 R809 R810 E811 S812 I813 F814 C815 I816 Q817 Y818 N819 V820 R821 S822 N825 V826 K827 H828 W829 P830 W831 M832 K833 I834 K837 I838 K839 P840 L841 L842 K843

4 Experimental information (i)

Property	Value	Source
Reconstruction method	HELICAL	Depositor
Imposed symmetry	POINT, Not provided	Depositor
Number of images	Not provided	Depositor
Resolution determination method	Not provided	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI/PHILIPS CM300FEG/T	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	Not provided	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	Not provided	Depositor
Image detector	TIETZ TEM-CAM F224	Depositor

5 Model quality

5.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|>2$	RMSZ	#$\|Z\|>2$
1	1-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	10-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	11-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	12-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	13-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	14-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	2-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	3-B	0.70	0/1199	1.67	17/1617 (1.1%)
1	4-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	5-B	0.70	0/1199	1.67	17/1617 (1.1%)
1	6-B	0.69	0/1199	1.67	17/1617 (1.1%)
1	7-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	8-B	0.70	0/1199	1.67	18/1617 (1.1%)
1	9-B	0.69	0/1199	1.67	17/1617 (1.1%)
2	1-C	0.74	1/1140 (0.1%)	1.58	9/1530 (0.6%)
2	10-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	11-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	12-C	0.74	1/1140 (0.1%)	1.58	9/1530 (0.6%)
2	13-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	14-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	2-C	0.74	1/1140 (0.1%)	1.58	9/1530 (0.6%)
2	3-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	4-C	0.74	1/1140 (0.1%)	1.58	9/1530 (0.6%)
2	5-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	6-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
2	7-C	0.74	1/1140 (0.1%)	1.58	9/1530 (0.6%)
2	8-C	0.74	1/1140 (0.1%)	1.58	9/1530 (0.6%)
2	9-C	0.74	1/1140 (0.1%)	1.59	9/1530 (0.6%)
3	1-M	1.33	61/6594 (0.9%)	1.54	96/8884 (1.1%)
3	10-M	1.28	59/6593 (0.9%)	1.53	94/8881 (1.1%)
3	11-M	1.28	59/6593 (0.9%)	1.53	95/8881 (1.1%)
3	12-M	1.28	59/6593 (0.9%)	1.53	94/8881 (1.1%)
3	13-M	1.28	59/6593 (0.9%)	1.53	94/8881 (1.1%)
3	14-M	1.34	60/6594 (0.9%)	1.54	95/8884 (1.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >2	RMSZ	#|Z| >2
3	2-M	1.28	60/6593 (0.9%)	1.54	95/8881 (1.1%)
3	3-M	1.28	59/6593 (0.9%)	1.53	95/8881 (1.1%)
3	4-M	1.28	60/6593 (0.9%)	1.54	95/8881 (1.1%)
3	5-M	1.28	59/6593 (0.9%)	1.53	95/8881 (1.1%)
3	6-M	1.28	59/6593 (0.9%)	1.53	95/8881 (1.1%)
3	7-M	1.32	61/6594 (0.9%)	1.54	96/8884 (1.1%)
3	8-M	1.28	60/6594 (0.9%)	1.54	95/8884 (1.1%)
3	9-M	1.28	59/6593 (0.9%)	1.53	95/8881 (1.1%)
All	All	1.17	848/125052 (0.7%)	1.56	1703/168404 (1.0%)

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 outliers	#Planarity outliers
1	1-B	0	4
1	10-B	0	4
1	11-B	0	4
1	12-B	0	4
1	13-B	0	4
1	14-B	0	4
1	2-B	0	4
1	3-B	0	4
1	4-B	0	4
1	5-B	0	4
1	6-B	0	4
1	7-B	0	4
1	8-B	0	4
1	9-B	0	4
3	1-M	0	1
3	10-M	0	1
3	11-M	0	1
3	12-M	0	1
3	13-M	0	1
3	14-M	0	1
3	2-M	0	1
3	3-M	0	1
3	4-M	0	1
3	5-M	0	1
3	6-M	0	1
3	7-M	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
3	8-M	0	1
3	9-M	0	1
All	All	0	70

All (848) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	14-M	709	LYS	C-N	34.19	1.94	1.33
3	1-M	709	LYS	C-N	30.07	1.87	1.33
3	7-M	709	LYS	C-N	27.30	1.82	1.33
3	2-M	731	ALA	C-N	25.18	1.92	1.34
3	1-M	731	ALA	C-N	25.15	1.91	1.34
3	8-M	731	ALA	C-N	25.15	1.91	1.34
3	7-M	731	ALA	C-N	25.14	1.91	1.34
3	12-M	731	ALA	C-N	25.14	1.91	1.34
3	14-M	731	ALA	C-N	25.14	1.91	1.34
3	9-M	731	ALA	C-N	25.12	1.91	1.34
3	10-M	731	ALA	C-N	25.12	1.91	1.34
3	11-M	731	ALA	C-N	25.12	1.91	1.34
3	13-M	731	ALA	C-N	25.12	1.91	1.34
3	4-M	731	ALA	C-N	25.11	1.91	1.34
3	5-M	731	ALA	C-N	25.09	1.91	1.34
3	3-M	731	ALA	C-N	25.09	1.91	1.34
3	6-M	731	ALA	C-N	25.07	1.91	1.34
3	1-M	737	PHE	C-N	13.98	1.66	1.34
3	12-M	737	PHE	C-N	13.98	1.66	1.34
3	7-M	737	PHE	C-N	13.97	1.66	1.34
3	2-M	737	PHE	C-N	13.96	1.66	1.34
3	8-M	737	PHE	C-N	13.96	1.66	1.34
3	6-M	737	PHE	C-N	13.94	1.66	1.34
3	10-M	737	PHE	C-N	13.94	1.66	1.34
3	13-M	737	PHE	C-N	13.94	1.66	1.34
3	4-M	737	PHE	C-N	13.94	1.66	1.34
3	14-M	737	PHE	C-N	13.93	1.66	1.34
3	3-M	737	PHE	C-N	13.92	1.66	1.34
3	9-M	737	PHE	C-N	13.92	1.66	1.34
3	11-M	737	PHE	C-N	13.92	1.66	1.34
3	5-M	737	PHE	C-N	13.91	1.66	1.34
3	3-M	476	GLU	CD-OE1	8.80	1.35	1.25
3	5-M	476	GLU	CD-OE1	8.80	1.35	1.25
3	6-M	476	GLU	CD-OE1	8.80	1.35	1.25
3	9-M	476	GLU	CD-OE1	8.80	1.35	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	1-M	476	GLU	CD-OE1	8.78	1.35	1.25
3	2-M	476	GLU	CD-OE1	8.78	1.35	1.25
3	4-M	476	GLU	CD-OE1	8.78	1.35	1.25
3	7-M	476	GLU	CD-OE1	8.78	1.35	1.25
3	8-M	476	GLU	CD-OE1	8.78	1.35	1.25
3	10-M	476	GLU	CD-OE1	8.76	1.35	1.25
3	11-M	476	GLU	CD-OE1	8.76	1.35	1.25
3	12-M	476	GLU	CD-OE1	8.76	1.35	1.25
3	13-M	476	GLU	CD-OE1	8.76	1.35	1.25
3	14-M	476	GLU	CD-OE1	8.76	1.35	1.25
3	3-M	576	GLU	CD-OE1	8.62	1.35	1.25
3	5-M	576	GLU	CD-OE1	8.62	1.35	1.25
3	6-M	576	GLU	CD-OE1	8.62	1.35	1.25
3	9-M	576	GLU	CD-OE1	8.62	1.35	1.25
3	1-M	576	GLU	CD-OE1	8.56	1.35	1.25
3	2-M	576	GLU	CD-OE1	8.56	1.35	1.25
3	4-M	576	GLU	CD-OE1	8.56	1.35	1.25
3	7-M	576	GLU	CD-OE1	8.56	1.35	1.25
3	8-M	576	GLU	CD-OE1	8.56	1.35	1.25
3	10-M	576	GLU	CD-OE1	8.49	1.34	1.25
3	11-M	576	GLU	CD-OE1	8.49	1.34	1.25
3	12-M	576	GLU	CD-OE1	8.49	1.34	1.25
3	13-M	576	GLU	CD-OE1	8.49	1.34	1.25
3	14-M	576	GLU	CD-OE1	8.49	1.34	1.25
3	1-M	411	GLU	CD-OE1	8.43	1.34	1.25
3	2-M	411	GLU	CD-OE1	8.43	1.34	1.25
3	4-M	411	GLU	CD-OE1	8.43	1.34	1.25
3	7-M	411	GLU	CD-OE1	8.43	1.34	1.25
3	8-M	411	GLU	CD-OE1	8.43	1.34	1.25
3	3-M	204	GLU	CD-OE2	8.38	1.34	1.25
3	5-M	204	GLU	CD-OE2	8.38	1.34	1.25
3	6-M	204	GLU	CD-OE2	8.38	1.34	1.25
3	9-M	204	GLU	CD-OE2	8.38	1.34	1.25
3	10-M	204	GLU	CD-OE2	8.36	1.34	1.25
3	11-M	204	GLU	CD-OE2	8.36	1.34	1.25
3	12-M	204	GLU	CD-OE2	8.36	1.34	1.25
3	13-M	204	GLU	CD-OE2	8.36	1.34	1.25
3	14-M	204	GLU	CD-OE2	8.36	1.34	1.25
3	10-M	411	GLU	CD-OE1	8.27	1.34	1.25
3	11-M	411	GLU	CD-OE1	8.27	1.34	1.25
3	12-M	411	GLU	CD-OE1	8.27	1.34	1.25
3	13-M	411	GLU	CD-OE1	8.27	1.34	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	14-M	411	GLU	CD-OE1	8.27	1.34	1.25
3	3-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	5-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	6-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	9-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	10-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	11-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	12-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	13-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	14-M	45	GLU	CD-OE2	8.24	1.34	1.25
3	3-M	411	GLU	CD-OE1	8.24	1.34	1.25
3	5-M	411	GLU	CD-OE1	8.24	1.34	1.25
3	6-M	411	GLU	CD-OE1	8.24	1.34	1.25
3	9-M	411	GLU	CD-OE1	8.24	1.34	1.25
3	1-M	45	GLU	CD-OE2	8.22	1.34	1.25
3	2-M	45	GLU	CD-OE2	8.22	1.34	1.25
3	4-M	45	GLU	CD-OE2	8.22	1.34	1.25
3	7-M	45	GLU	CD-OE2	8.22	1.34	1.25
3	8-M	45	GLU	CD-OE2	8.22	1.34	1.25
3	1-M	204	GLU	CD-OE2	8.21	1.34	1.25
3	2-M	204	GLU	CD-OE2	8.21	1.34	1.25
3	4-M	204	GLU	CD-OE2	8.21	1.34	1.25
3	7-M	204	GLU	CD-OE2	8.21	1.34	1.25
3	8-M	204	GLU	CD-OE2	8.21	1.34	1.25
3	11-M	745	GLU	CD-OE2	8.19	1.34	1.25
3	12-M	745	GLU	CD-OE2	8.18	1.34	1.25
3	14-M	745	GLU	CD-OE2	8.13	1.34	1.25
3	10-M	745	GLU	CD-OE2	8.12	1.34	1.25
3	13-M	745	GLU	CD-OE2	8.12	1.34	1.25
3	1-M	745	GLU	CD-OE2	8.11	1.34	1.25
3	4-M	745	GLU	CD-OE2	8.11	1.34	1.25
3	10-M	381	GLU	CD-OE1	8.10	1.34	1.25
3	11-M	381	GLU	CD-OE1	8.10	1.34	1.25
3	12-M	381	GLU	CD-OE1	8.10	1.34	1.25
3	13-M	381	GLU	CD-OE1	8.10	1.34	1.25
3	14-M	381	GLU	CD-OE1	8.10	1.34	1.25
3	2-M	745	GLU	CD-OE2	8.09	1.34	1.25
3	8-M	745	GLU	CD-OE2	8.09	1.34	1.25
3	5-M	745	GLU	CD-OE2	8.09	1.34	1.25
3	3-M	381	GLU	CD-OE1	8.07	1.34	1.25
3	5-M	381	GLU	CD-OE1	8.07	1.34	1.25
3	6-M	381	GLU	CD-OE1	8.07	1.34	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	9-M	381	GLU	CD-OE1	8.07	1.34	1.25
3	7-M	745	GLU	CD-OE2	8.05	1.34	1.25
3	9-M	745	GLU	CD-OE2	8.05	1.34	1.25
3	3-M	745	GLU	CD-OE2	8.04	1.34	1.25
3	6-M	745	GLU	CD-OE2	8.02	1.34	1.25
3	1-M	381	GLU	CD-OE1	8.02	1.34	1.25
3	2-M	381	GLU	CD-OE1	8.02	1.34	1.25
3	4-M	381	GLU	CD-OE1	8.02	1.34	1.25
3	7-M	381	GLU	CD-OE1	8.02	1.34	1.25
3	8-M	381	GLU	CD-OE1	8.02	1.34	1.25
3	10-M	108	GLU	CD-OE1	7.78	1.34	1.25
3	11-M	108	GLU	CD-OE1	7.78	1.34	1.25
3	12-M	108	GLU	CD-OE1	7.78	1.34	1.25
3	13-M	108	GLU	CD-OE1	7.78	1.34	1.25
3	14-M	108	GLU	CD-OE1	7.78	1.34	1.25
3	3-M	108	GLU	CD-OE1	7.77	1.34	1.25
3	5-M	108	GLU	CD-OE1	7.77	1.34	1.25
3	6-M	108	GLU	CD-OE1	7.77	1.34	1.25
3	9-M	108	GLU	CD-OE1	7.77	1.34	1.25
3	1-M	108	GLU	CD-OE1	7.64	1.34	1.25
3	2-M	108	GLU	CD-OE1	7.64	1.34	1.25
3	4-M	108	GLU	CD-OE1	7.64	1.34	1.25
3	7-M	108	GLU	CD-OE1	7.64	1.34	1.25
3	8-M	108	GLU	CD-OE1	7.64	1.34	1.25
3	3-M	689	GLU	CD-OE2	7.57	1.33	1.25
3	5-M	689	GLU	CD-OE2	7.57	1.33	1.25
3	6-M	689	GLU	CD-OE2	7.57	1.33	1.25
3	9-M	689	GLU	CD-OE2	7.57	1.33	1.25
3	1-M	689	GLU	CD-OE2	7.47	1.33	1.25
3	2-M	689	GLU	CD-OE2	7.47	1.33	1.25
3	4-M	689	GLU	CD-OE2	7.47	1.33	1.25
3	7-M	689	GLU	CD-OE2	7.47	1.33	1.25
3	8-M	689	GLU	CD-OE2	7.47	1.33	1.25
3	10-M	689	GLU	CD-OE2	7.43	1.33	1.25
3	11-M	689	GLU	CD-OE2	7.43	1.33	1.25
3	12-M	689	GLU	CD-OE2	7.43	1.33	1.25
3	13-M	689	GLU	CD-OE2	7.43	1.33	1.25
3	14-M	689	GLU	CD-OE2	7.43	1.33	1.25
3	3-M	330	GLU	CD-OE1	7.12	1.33	1.25
3	5-M	330	GLU	CD-OE1	7.12	1.33	1.25
3	6-M	330	GLU	CD-OE1	7.12	1.33	1.25
3	9-M	330	GLU	CD-OE1	7.12	1.33	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	1-M	330	GLU	CD-OE1	7.11	1.33	1.25
3	2-M	330	GLU	CD-OE1	7.11	1.33	1.25
3	4-M	330	GLU	CD-OE1	7.11	1.33	1.25
3	7-M	330	GLU	CD-OE1	7.11	1.33	1.25
3	8-M	330	GLU	CD-OE1	7.11	1.33	1.25
3	10-M	511	GLU	CD-OE1	7.10	1.33	1.25
3	11-M	511	GLU	CD-OE1	7.10	1.33	1.25
3	12-M	511	GLU	CD-OE1	7.10	1.33	1.25
3	13-M	511	GLU	CD-OE1	7.10	1.33	1.25
3	14-M	511	GLU	CD-OE1	7.10	1.33	1.25
3	3-M	511	GLU	CD-OE1	7.09	1.33	1.25
3	5-M	511	GLU	CD-OE1	7.09	1.33	1.25
3	6-M	511	GLU	CD-OE1	7.09	1.33	1.25
3	9-M	511	GLU	CD-OE1	7.09	1.33	1.25
3	3-M	26	GLU	CD-OE1	7.09	1.33	1.25
3	5-M	26	GLU	CD-OE1	7.09	1.33	1.25
3	6-M	26	GLU	CD-OE1	7.09	1.33	1.25
3	9-M	26	GLU	CD-OE1	7.09	1.33	1.25
3	10-M	330	GLU	CD-OE1	7.08	1.33	1.25
3	10-M	524	GLU	CD-OE1	7.08	1.33	1.25
3	11-M	330	GLU	CD-OE1	7.08	1.33	1.25
3	11-M	524	GLU	CD-OE1	7.08	1.33	1.25
3	12-M	330	GLU	CD-OE1	7.08	1.33	1.25
3	12-M	524	GLU	CD-OE1	7.08	1.33	1.25
3	13-M	330	GLU	CD-OE1	7.08	1.33	1.25
3	13-M	524	GLU	CD-OE1	7.08	1.33	1.25
3	14-M	330	GLU	CD-OE1	7.08	1.33	1.25
3	14-M	524	GLU	CD-OE1	7.08	1.33	1.25
3	1-M	511	GLU	CD-OE1	7.08	1.33	1.25
3	2-M	511	GLU	CD-OE1	7.08	1.33	1.25
3	4-M	511	GLU	CD-OE1	7.08	1.33	1.25
3	7-M	511	GLU	CD-OE1	7.08	1.33	1.25
3	8-M	511	GLU	CD-OE1	7.08	1.33	1.25
3	10-M	376	GLU	CD-OE1	7.08	1.33	1.25
3	11-M	376	GLU	CD-OE1	7.08	1.33	1.25
3	12-M	376	GLU	CD-OE1	7.08	1.33	1.25
3	13-M	376	GLU	CD-OE1	7.08	1.33	1.25
3	14-M	376	GLU	CD-OE1	7.08	1.33	1.25
3	1-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	2-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	4-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	7-M	376	GLU	CD-OE1	7.07	1.33	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	8-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	3-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	5-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	6-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	9-M	376	GLU	CD-OE1	7.07	1.33	1.25
3	10-M	23	GLU	CD-OE1	7.04	1.33	1.25
3	11-M	23	GLU	CD-OE1	7.04	1.33	1.25
3	12-M	23	GLU	CD-OE1	7.04	1.33	1.25
3	13-M	23	GLU	CD-OE1	7.04	1.33	1.25
3	14-M	23	GLU	CD-OE1	7.04	1.33	1.25
3	3-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	5-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	6-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	9-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	10-M	26	GLU	CD-OE1	7.00	1.33	1.25
3	11-M	26	GLU	CD-OE1	7.00	1.33	1.25
3	12-M	26	GLU	CD-OE1	7.00	1.33	1.25
3	13-M	26	GLU	CD-OE1	7.00	1.33	1.25
3	14-M	26	GLU	CD-OE1	7.00	1.33	1.25
3	1-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	2-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	4-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	7-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	8-M	23	GLU	CD-OE1	7.00	1.33	1.25
3	1-M	26	GLU	CD-OE1	6.98	1.33	1.25
3	2-M	26	GLU	CD-OE1	6.98	1.33	1.25
3	4-M	26	GLU	CD-OE1	6.98	1.33	1.25
3	7-M	26	GLU	CD-OE1	6.98	1.33	1.25
3	8-M	26	GLU	CD-OE1	6.98	1.33	1.25
3	1-M	524	GLU	CD-OE1	6.95	1.33	1.25
3	2-M	524	GLU	CD-OE1	6.95	1.33	1.25
3	4-M	524	GLU	CD-OE1	6.95	1.33	1.25
3	7-M	524	GLU	CD-OE1	6.95	1.33	1.25
3	8-M	524	GLU	CD-OE1	6.95	1.33	1.25
3	3-M	524	GLU	CD-OE1	6.94	1.33	1.25
3	5-M	524	GLU	CD-OE1	6.94	1.33	1.25
3	6-M	524	GLU	CD-OE1	6.94	1.33	1.25
3	9-M	524	GLU	CD-OE1	6.94	1.33	1.25
3	3-M	347	GLU	CD-OE1	6.92	1.33	1.25
3	5-M	347	GLU	CD-OE1	6.92	1.33	1.25
3	6-M	347	GLU	CD-OE1	6.92	1.33	1.25
3	9-M	347	GLU	CD-OE1	6.92	1.33	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	1-M	68	GLU	CD-OE2	6.88	1.33	1.25
3	2-M	68	GLU	CD-OE2	6.88	1.33	1.25
3	4-M	68	GLU	CD-OE2	6.88	1.33	1.25
3	7-M	68	GLU	CD-OE2	6.88	1.33	1.25
3	8-M	68	GLU	CD-OE2	6.88	1.33	1.25
3	10-M	347	GLU	CD-OE1	6.88	1.33	1.25
3	11-M	347	GLU	CD-OE1	6.88	1.33	1.25
3	12-M	347	GLU	CD-OE1	6.88	1.33	1.25
3	13-M	347	GLU	CD-OE1	6.88	1.33	1.25
3	14-M	347	GLU	CD-OE1	6.88	1.33	1.25
3	1-M	347	GLU	CD-OE1	6.80	1.33	1.25
3	2-M	347	GLU	CD-OE1	6.80	1.33	1.25
3	4-M	347	GLU	CD-OE1	6.80	1.33	1.25
3	7-M	347	GLU	CD-OE1	6.80	1.33	1.25
3	8-M	347	GLU	CD-OE1	6.80	1.33	1.25
3	10-M	68	GLU	CD-OE2	6.78	1.33	1.25
3	11-M	68	GLU	CD-OE2	6.78	1.33	1.25
3	12-M	68	GLU	CD-OE2	6.78	1.33	1.25
3	13-M	68	GLU	CD-OE2	6.78	1.33	1.25
3	14-M	68	GLU	CD-OE2	6.78	1.33	1.25
3	9-M	811	GLU	CD-OE1	6.76	1.33	1.25
3	5-M	811	GLU	CD-OE1	6.76	1.33	1.25
3	3-M	68	GLU	CD-OE2	6.75	1.33	1.25
3	5-M	68	GLU	CD-OE2	6.75	1.33	1.25
3	6-M	68	GLU	CD-OE2	6.75	1.33	1.25
3	9-M	68	GLU	CD-OE2	6.75	1.33	1.25
3	6-M	811	GLU	CD-OE1	6.75	1.33	1.25
3	7-M	811	GLU	CD-OE1	6.75	1.33	1.25
3	10-M	538	GLU	CD-OE1	6.75	1.33	1.25
3	11-M	538	GLU	CD-OE1	6.75	1.33	1.25
3	12-M	538	GLU	CD-OE1	6.75	1.33	1.25
3	13-M	538	GLU	CD-OE1	6.75	1.33	1.25
3	14-M	538	GLU	CD-OE1	6.75	1.33	1.25
3	4-M	811	GLU	CD-OE1	6.74	1.33	1.25
3	3-M	538	GLU	CD-OE1	6.74	1.33	1.25
3	5-M	538	GLU	CD-OE1	6.74	1.33	1.25
3	6-M	538	GLU	CD-OE1	6.74	1.33	1.25
3	9-M	538	GLU	CD-OE1	6.74	1.33	1.25
3	10-M	811	GLU	CD-OE1	6.73	1.33	1.25
3	13-M	811	GLU	CD-OE1	6.73	1.33	1.25
3	1-M	538	GLU	CD-OE1	6.73	1.33	1.25
3	2-M	538	GLU	CD-OE1	6.73	1.33	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	4-M	538	GLU	CD-OE1	6.73	1.33	1.25
3	7-M	538	GLU	CD-OE1	6.73	1.33	1.25
3	8-M	538	GLU	CD-OE1	6.73	1.33	1.25
3	2-M	811	GLU	CD-OE1	6.72	1.33	1.25
3	8-M	811	GLU	CD-OE1	6.70	1.33	1.25
3	14-M	811	GLU	CD-OE1	6.70	1.33	1.25
3	12-M	811	GLU	CD-OE1	6.70	1.33	1.25
3	11-M	811	GLU	CD-OE1	6.70	1.33	1.25
3	1-M	811	GLU	CD-OE1	6.69	1.33	1.25
3	3-M	811	GLU	CD-OE1	6.69	1.33	1.25
3	10-M	655	GLU	CD-OE1	6.62	1.32	1.25
3	11-M	655	GLU	CD-OE1	6.62	1.32	1.25
3	12-M	655	GLU	CD-OE1	6.62	1.32	1.25
3	13-M	655	GLU	CD-OE1	6.62	1.32	1.25
3	14-M	655	GLU	CD-OE1	6.62	1.32	1.25
3	1-M	655	GLU	CD-OE1	6.61	1.32	1.25
3	2-M	655	GLU	CD-OE1	6.61	1.32	1.25
3	4-M	655	GLU	CD-OE1	6.61	1.32	1.25
3	7-M	655	GLU	CD-OE1	6.61	1.32	1.25
3	8-M	655	GLU	CD-OE1	6.61	1.32	1.25
3	10-M	266	GLU	CD-OE2	6.54	1.32	1.25
3	11-M	266	GLU	CD-OE2	6.54	1.32	1.25
3	12-M	266	GLU	CD-OE2	6.54	1.32	1.25
3	13-M	266	GLU	CD-OE2	6.54	1.32	1.25
3	14-M	266	GLU	CD-OE2	6.54	1.32	1.25
3	3-M	655	GLU	CD-OE1	6.49	1.32	1.25
3	5-M	655	GLU	CD-OE1	6.49	1.32	1.25
3	6-M	655	GLU	CD-OE1	6.49	1.32	1.25
3	9-M	655	GLU	CD-OE1	6.49	1.32	1.25
3	1-M	266	GLU	CD-OE2	6.47	1.32	1.25
3	2-M	266	GLU	CD-OE2	6.47	1.32	1.25
3	4-M	266	GLU	CD-OE2	6.47	1.32	1.25
3	7-M	266	GLU	CD-OE2	6.47	1.32	1.25
3	8-M	266	GLU	CD-OE2	6.47	1.32	1.25
3	3-M	266	GLU	CD-OE2	6.43	1.32	1.25
3	5-M	266	GLU	CD-OE2	6.43	1.32	1.25
3	6-M	266	GLU	CD-OE2	6.43	1.32	1.25
3	9-M	266	GLU	CD-OE2	6.43	1.32	1.25
3	6-M	802	GLU	CD-OE1	6.40	1.32	1.25
3	7-M	802	GLU	CD-OE1	6.40	1.32	1.25
3	1-M	319	GLU	CD-OE1	6.39	1.32	1.25
3	2-M	319	GLU	CD-OE1	6.39	1.32	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	4-M	319	GLU	CD-OE1	6.39	1.32	1.25
3	7-M	319	GLU	CD-OE1	6.39	1.32	1.25
3	8-M	319	GLU	CD-OE1	6.39	1.32	1.25
3	3-M	89	GLU	CD-OE1	6.38	1.32	1.25
3	5-M	89	GLU	CD-OE1	6.38	1.32	1.25
3	6-M	89	GLU	CD-OE1	6.38	1.32	1.25
3	9-M	89	GLU	CD-OE1	6.38	1.32	1.25
3	3-M	319	GLU	CD-OE1	6.38	1.32	1.25
3	5-M	319	GLU	CD-OE1	6.38	1.32	1.25
3	6-M	319	GLU	CD-OE1	6.38	1.32	1.25
3	9-M	319	GLU	CD-OE1	6.38	1.32	1.25
3	14-M	802	GLU	CD-OE1	6.38	1.32	1.25
3	1-M	538	GLU	CD-OE2	-6.37	1.18	1.25
3	2-M	538	GLU	CD-OE2	-6.37	1.18	1.25
3	4-M	538	GLU	CD-OE2	-6.37	1.18	1.25
3	7-M	538	GLU	CD-OE2	-6.37	1.18	1.25
3	8-M	538	GLU	CD-OE2	-6.37	1.18	1.25
3	1-M	89	GLU	CD-OE1	6.37	1.32	1.25
3	2-M	89	GLU	CD-OE1	6.37	1.32	1.25
3	4-M	89	GLU	CD-OE1	6.37	1.32	1.25
3	7-M	89	GLU	CD-OE1	6.37	1.32	1.25
3	8-M	89	GLU	CD-OE1	6.37	1.32	1.25
3	2-M	802	GLU	CD-OE1	6.36	1.32	1.25
3	4-M	802	GLU	CD-OE1	6.36	1.32	1.25
3	9-M	802	GLU	CD-OE1	6.36	1.32	1.25
3	10-M	319	GLU	CD-OE1	6.34	1.32	1.25
3	11-M	319	GLU	CD-OE1	6.34	1.32	1.25
3	12-M	319	GLU	CD-OE1	6.34	1.32	1.25
3	13-M	319	GLU	CD-OE1	6.34	1.32	1.25
3	14-M	319	GLU	CD-OE1	6.34	1.32	1.25
3	10-M	538	GLU	CD-OE2	-6.33	1.18	1.25
3	11-M	538	GLU	CD-OE2	-6.33	1.18	1.25
3	12-M	538	GLU	CD-OE2	-6.33	1.18	1.25
3	13-M	538	GLU	CD-OE2	-6.33	1.18	1.25
3	14-M	538	GLU	CD-OE2	-6.33	1.18	1.25
3	5-M	802	GLU	CD-OE1	6.32	1.32	1.25
3	3-M	802	GLU	CD-OE1	6.32	1.32	1.25
3	10-M	89	GLU	CD-OE1	6.31	1.32	1.25
3	11-M	89	GLU	CD-OE1	6.31	1.32	1.25
3	12-M	89	GLU	CD-OE1	6.31	1.32	1.25
3	13-M	89	GLU	CD-OE1	6.31	1.32	1.25
3	14-M	89	GLU	CD-OE1	6.31	1.32	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	3-M	538	GLU	CD-OE2	-6.31	1.18	1.25
3	5-M	538	GLU	CD-OE2	-6.31	1.18	1.25
3	6-M	538	GLU	CD-OE2	-6.31	1.18	1.25
3	9-M	538	GLU	CD-OE2	-6.31	1.18	1.25
3	11-M	802	GLU	CD-OE1	6.30	1.32	1.25
3	1-M	802	GLU	CD-OE1	6.29	1.32	1.25
3	8-M	802	GLU	CD-OE1	6.29	1.32	1.25
3	10-M	802	GLU	CD-OE1	6.29	1.32	1.25
3	13-M	802	GLU	CD-OE1	6.29	1.32	1.25
3	10-M	502	GLU	CD-OE2	6.24	1.32	1.25
3	11-M	502	GLU	CD-OE2	6.24	1.32	1.25
3	12-M	502	GLU	CD-OE2	6.24	1.32	1.25
3	13-M	502	GLU	CD-OE2	6.24	1.32	1.25
3	14-M	502	GLU	CD-OE2	6.24	1.32	1.25
3	10-M	6	GLU	CD-OE1	6.23	1.32	1.25
3	11-M	6	GLU	CD-OE1	6.23	1.32	1.25
3	12-M	6	GLU	CD-OE1	6.23	1.32	1.25
3	13-M	6	GLU	CD-OE1	6.23	1.32	1.25
3	14-M	6	GLU	CD-OE1	6.23	1.32	1.25
3	12-M	802	GLU	CD-OE1	6.22	1.32	1.25
3	3-M	6	GLU	CD-OE1	6.22	1.32	1.25
3	5-M	6	GLU	CD-OE1	6.22	1.32	1.25
3	6-M	6	GLU	CD-OE1	6.22	1.32	1.25
3	9-M	6	GLU	CD-OE1	6.22	1.32	1.25
3	1-M	808	GLU	CD-OE1	6.20	1.32	1.25
3	1-M	502	GLU	CD-OE2	6.19	1.32	1.25
3	2-M	502	GLU	CD-OE2	6.19	1.32	1.25
3	4-M	502	GLU	CD-OE2	6.19	1.32	1.25
3	4-M	808	GLU	CD-OE1	6.19	1.32	1.25
3	7-M	502	GLU	CD-OE2	6.19	1.32	1.25
3	8-M	502	GLU	CD-OE2	6.19	1.32	1.25
3	1-M	6	GLU	CD-OE1	6.18	1.32	1.25
3	2-M	6	GLU	CD-OE1	6.18	1.32	1.25
3	4-M	6	GLU	CD-OE1	6.18	1.32	1.25
3	7-M	6	GLU	CD-OE1	6.18	1.32	1.25
3	8-M	6	GLU	CD-OE1	6.18	1.32	1.25
3	7-M	808	GLU	CD-OE1	6.17	1.32	1.25
3	10-M	99	GLU	CD-OE2	6.17	1.32	1.25
3	11-M	99	GLU	CD-OE2	6.17	1.32	1.25
3	12-M	99	GLU	CD-OE2	6.17	1.32	1.25
3	13-M	99	GLU	CD-OE2	6.17	1.32	1.25
3	14-M	99	GLU	CD-OE2	6.17	1.32	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	1-M	99	GLU	CD-OE2	6.16	1.32	1.25
3	2-M	99	GLU	CD-OE2	6.16	1.32	1.25
3	4-M	99	GLU	CD-OE2	6.16	1.32	1.25
3	7-M	99	GLU	CD-OE2	6.16	1.32	1.25
3	8-M	99	GLU	CD-OE2	6.16	1.32	1.25
3	1-M	605	GLU	CD-OE1	6.16	1.32	1.25
3	2-M	605	GLU	CD-OE1	6.16	1.32	1.25
3	4-M	605	GLU	CD-OE1	6.16	1.32	1.25
3	7-M	605	GLU	CD-OE1	6.16	1.32	1.25
3	8-M	605	GLU	CD-OE1	6.16	1.32	1.25
3	3-M	808	GLU	CD-OE1	6.15	1.32	1.25
3	5-M	808	GLU	CD-OE1	6.12	1.32	1.25
3	10-M	605	GLU	CD-OE1	6.12	1.32	1.25
3	11-M	605	GLU	CD-OE1	6.12	1.32	1.25
3	12-M	605	GLU	CD-OE1	6.12	1.32	1.25
3	13-M	605	GLU	CD-OE1	6.12	1.32	1.25
3	14-M	605	GLU	CD-OE1	6.12	1.32	1.25
3	3-M	502	GLU	CD-OE2	6.12	1.32	1.25
3	5-M	502	GLU	CD-OE2	6.12	1.32	1.25
3	6-M	502	GLU	CD-OE2	6.12	1.32	1.25
3	8-M	808	GLU	CD-OE1	6.12	1.32	1.25
3	9-M	502	GLU	CD-OE2	6.12	1.32	1.25
3	2-M	808	GLU	CD-OE1	6.11	1.32	1.25
3	3-M	605	GLU	CD-OE1	6.10	1.32	1.25
3	5-M	605	GLU	CD-OE1	6.10	1.32	1.25
3	6-M	605	GLU	CD-OE1	6.10	1.32	1.25
3	9-M	605	GLU	CD-OE1	6.10	1.32	1.25
3	11-M	808	GLU	CD-OE1	6.10	1.32	1.25
3	6-M	808	GLU	CD-OE1	6.09	1.32	1.25
3	9-M	808	GLU	CD-OE1	6.09	1.32	1.25
3	3-M	509	GLU	CD-OE1	6.08	1.32	1.25
3	5-M	509	GLU	CD-OE1	6.08	1.32	1.25
3	6-M	509	GLU	CD-OE1	6.08	1.32	1.25
3	9-M	509	GLU	CD-OE1	6.08	1.32	1.25
3	10-M	808	GLU	CD-OE1	6.07	1.32	1.25
3	13-M	808	GLU	CD-OE1	6.07	1.32	1.25
3	1-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	2-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	4-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	7-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	8-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	10-M	509	GLU	CD-OE1	6.06	1.32	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	11-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	12-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	13-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	14-M	509	GLU	CD-OE1	6.06	1.32	1.25
3	14-M	808	GLU	CD-OE1	6.04	1.32	1.25
3	3-M	99	GLU	CD-OE2	6.02	1.32	1.25
3	5-M	99	GLU	CD-OE2	6.02	1.32	1.25
3	6-M	99	GLU	CD-OE2	6.02	1.32	1.25
3	9-M	99	GLU	CD-OE2	6.02	1.32	1.25
3	12-M	808	GLU	CD-OE1	6.00	1.32	1.25
3	3-M	785	GLU	CD-OE2	5.96	1.32	1.25
3	9-M	785	GLU	CD-OE2	5.94	1.32	1.25
3	11-M	785	GLU	CD-OE2	5.90	1.32	1.25
3	5-M	785	GLU	CD-OE2	5.89	1.32	1.25
3	6-M	785	GLU	CD-OE2	5.87	1.32	1.25
3	10-M	540	CYS	CB-SG	-5.86	1.72	1.81
3	11-M	540	CYS	CB-SG	-5.86	1.72	1.81
3	12-M	540	CYS	CB-SG	-5.86	1.72	1.81
3	13-M	540	CYS	CB-SG	-5.86	1.72	1.81
3	14-M	540	CYS	CB-SG	-5.86	1.72	1.81
3	1-M	540	CYS	CB-SG	-5.85	1.72	1.81
3	2-M	540	CYS	CB-SG	-5.85	1.72	1.81
3	4-M	540	CYS	CB-SG	-5.85	1.72	1.81
3	7-M	540	CYS	CB-SG	-5.85	1.72	1.81
3	8-M	540	CYS	CB-SG	-5.85	1.72	1.81
3	1-M	329	GLU	CD-OE1	5.84	1.32	1.25
3	2-M	329	GLU	CD-OE1	5.84	1.32	1.25
3	4-M	329	GLU	CD-OE1	5.84	1.32	1.25
3	7-M	329	GLU	CD-OE1	5.84	1.32	1.25
3	8-M	329	GLU	CD-OE1	5.84	1.32	1.25
3	14-M	785	GLU	CD-OE2	5.82	1.32	1.25
3	3-M	540	CYS	CB-SG	-5.81	1.72	1.81
3	5-M	540	CYS	CB-SG	-5.81	1.72	1.81
3	6-M	540	CYS	CB-SG	-5.81	1.72	1.81
3	9-M	540	CYS	CB-SG	-5.81	1.72	1.81
3	12-M	785	GLU	CD-OE2	5.81	1.32	1.25
3	4-M	785	GLU	CD-OE2	5.78	1.32	1.25
3	10-M	785	GLU	CD-OE2	5.78	1.32	1.25
3	13-M	785	GLU	CD-OE2	5.78	1.32	1.25
3	1-M	499	GLU	CD-OE2	5.76	1.31	1.25
3	2-M	499	GLU	CD-OE2	5.76	1.31	1.25
3	4-M	499	GLU	CD-OE2	5.76	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	7-M	499	GLU	CD-OE2	5.76	1.31	1.25
3	8-M	499	GLU	CD-OE2	5.76	1.31	1.25
3	10-M	329	GLU	CD-OE1	5.76	1.31	1.25
3	11-M	329	GLU	CD-OE1	5.76	1.31	1.25
3	12-M	329	GLU	CD-OE1	5.76	1.31	1.25
3	13-M	329	GLU	CD-OE1	5.76	1.31	1.25
3	14-M	329	GLU	CD-OE1	5.76	1.31	1.25
3	3-M	476	GLU	CD-OE2	-5.76	1.19	1.25
3	5-M	476	GLU	CD-OE2	-5.76	1.19	1.25
3	6-M	476	GLU	CD-OE2	-5.76	1.19	1.25
3	9-M	476	GLU	CD-OE2	-5.76	1.19	1.25
3	3-M	499	GLU	CD-OE2	5.74	1.31	1.25
3	5-M	499	GLU	CD-OE2	5.74	1.31	1.25
3	6-M	499	GLU	CD-OE2	5.74	1.31	1.25
3	7-M	785	GLU	CD-OE2	5.74	1.31	1.25
3	9-M	499	GLU	CD-OE2	5.74	1.31	1.25
3	10-M	476	GLU	CD-OE2	-5.74	1.19	1.25
3	11-M	476	GLU	CD-OE2	-5.74	1.19	1.25
3	12-M	476	GLU	CD-OE2	-5.74	1.19	1.25
3	13-M	476	GLU	CD-OE2	-5.74	1.19	1.25
3	14-M	476	GLU	CD-OE2	-5.74	1.19	1.25
3	8-M	785	GLU	CD-OE2	5.73	1.31	1.25
3	3-M	329	GLU	CD-OE1	5.73	1.31	1.25
3	5-M	329	GLU	CD-OE1	5.73	1.31	1.25
3	6-M	329	GLU	CD-OE1	5.73	1.31	1.25
3	9-M	329	GLU	CD-OE1	5.73	1.31	1.25
3	2-M	785	GLU	CD-OE2	5.72	1.31	1.25
3	1-M	476	GLU	CD-OE2	-5.69	1.19	1.25
3	1-M	785	GLU	CD-OE2	5.69	1.31	1.25
3	2-M	476	GLU	CD-OE2	-5.69	1.19	1.25
3	4-M	476	GLU	CD-OE2	-5.69	1.19	1.25
3	7-M	476	GLU	CD-OE2	-5.69	1.19	1.25
3	8-M	476	GLU	CD-OE2	-5.69	1.19	1.25
3	10-M	230	GLU	CD-OE2	5.67	1.31	1.25
3	11-M	230	GLU	CD-OE2	5.67	1.31	1.25
3	12-M	230	GLU	CD-OE2	5.67	1.31	1.25
3	13-M	230	GLU	CD-OE2	5.67	1.31	1.25
3	14-M	230	GLU	CD-OE2	5.67	1.31	1.25
3	10-M	687	GLU	CD-OE1	5.64	1.31	1.25
3	11-M	687	GLU	CD-OE1	5.64	1.31	1.25
3	12-M	687	GLU	CD-OE1	5.64	1.31	1.25
3	13-M	687	GLU	CD-OE1	5.64	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	14-M	687	GLU	CD-OE1	5.64	1.31	1.25
3	3-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	5-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	6-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	9-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	10-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	11-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	12-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	13-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	14-M	527	GLU	CD-OE1	5.63	1.31	1.25
3	10-M	499	GLU	CD-OE2	5.62	1.31	1.25
3	11-M	499	GLU	CD-OE2	5.62	1.31	1.25
3	12-M	499	GLU	CD-OE2	5.62	1.31	1.25
3	13-M	499	GLU	CD-OE2	5.62	1.31	1.25
3	14-M	499	GLU	CD-OE2	5.62	1.31	1.25
2	11-C	6	GLU	CD-OE2	5.62	1.31	1.25
3	1-M	687	GLU	CD-OE1	5.61	1.31	1.25
3	2-M	687	GLU	CD-OE1	5.61	1.31	1.25
3	4-M	687	GLU	CD-OE1	5.61	1.31	1.25
3	7-M	687	GLU	CD-OE1	5.61	1.31	1.25
3	8-M	687	GLU	CD-OE1	5.61	1.31	1.25
3	10-M	479	CYS	CB-SG	-5.61	1.72	1.81
3	11-M	479	CYS	CB-SG	-5.61	1.72	1.81
3	12-M	479	CYS	CB-SG	-5.61	1.72	1.81
3	13-M	479	CYS	CB-SG	-5.61	1.72	1.81
3	14-M	479	CYS	CB-SG	-5.61	1.72	1.81
3	10-M	468	GLU	CD-OE1	5.59	1.31	1.25
3	11-M	468	GLU	CD-OE1	5.59	1.31	1.25
3	12-M	468	GLU	CD-OE1	5.59	1.31	1.25
3	13-M	468	GLU	CD-OE1	5.59	1.31	1.25
3	14-M	468	GLU	CD-OE1	5.59	1.31	1.25
3	1-M	479	CYS	CB-SG	-5.58	1.72	1.81
3	2-M	479	CYS	CB-SG	-5.58	1.72	1.81
3	4-M	479	CYS	CB-SG	-5.58	1.72	1.81
3	7-M	479	CYS	CB-SG	-5.58	1.72	1.81
3	8-M	479	CYS	CB-SG	-5.58	1.72	1.81
3	3-M	597	GLU	CD-OE1	5.58	1.31	1.25
3	5-M	597	GLU	CD-OE1	5.58	1.31	1.25
3	6-M	597	GLU	CD-OE1	5.58	1.31	1.25
3	9-M	597	GLU	CD-OE1	5.58	1.31	1.25
3	1-M	74	GLU	CD-OE2	5.57	1.31	1.25
3	2-M	74	GLU	CD-OE2	5.57	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	4-M	74	GLU	CD-OE2	5.57	1.31	1.25
3	7-M	74	GLU	CD-OE2	5.57	1.31	1.25
3	8-M	74	GLU	CD-OE2	5.57	1.31	1.25
3	1-M	527	GLU	CD-OE1	5.57	1.31	1.25
3	2-M	527	GLU	CD-OE1	5.57	1.31	1.25
3	4-M	527	GLU	CD-OE1	5.57	1.31	1.25
3	7-M	527	GLU	CD-OE1	5.57	1.31	1.25
3	8-M	527	GLU	CD-OE1	5.57	1.31	1.25
3	3-M	687	GLU	CD-OE1	5.56	1.31	1.25
3	5-M	687	GLU	CD-OE1	5.56	1.31	1.25
3	6-M	687	GLU	CD-OE1	5.56	1.31	1.25
3	9-M	687	GLU	CD-OE1	5.56	1.31	1.25
2	14-C	6	GLU	CD-OE2	5.56	1.31	1.25
2	10-C	6	GLU	CD-OE2	5.55	1.31	1.25
2	13-C	6	GLU	CD-OE2	5.55	1.31	1.25
3	1-M	597	GLU	CD-OE1	5.54	1.31	1.25
3	2-M	597	GLU	CD-OE1	5.54	1.31	1.25
3	4-M	597	GLU	CD-OE1	5.54	1.31	1.25
3	7-M	597	GLU	CD-OE1	5.54	1.31	1.25
3	8-M	597	GLU	CD-OE1	5.54	1.31	1.25
3	10-M	597	GLU	CD-OE1	5.53	1.31	1.25
3	11-M	597	GLU	CD-OE1	5.53	1.31	1.25
3	12-M	597	GLU	CD-OE1	5.53	1.31	1.25
3	13-M	597	GLU	CD-OE1	5.53	1.31	1.25
3	14-M	597	GLU	CD-OE1	5.53	1.31	1.25
3	3-M	479	CYS	CB-SG	-5.52	1.72	1.81
3	5-M	479	CYS	CB-SG	-5.52	1.72	1.81
3	6-M	479	CYS	CB-SG	-5.52	1.72	1.81
3	9-M	479	CYS	CB-SG	-5.52	1.72	1.81
3	3-M	373	GLU	CD-OE1	5.51	1.31	1.25
3	5-M	373	GLU	CD-OE1	5.51	1.31	1.25
3	6-M	373	GLU	CD-OE1	5.51	1.31	1.25
3	9-M	373	GLU	CD-OE1	5.51	1.31	1.25
2	5-C	6	GLU	CD-OE2	5.51	1.31	1.25
3	3-M	230	GLU	CD-OE2	5.51	1.31	1.25
3	5-M	230	GLU	CD-OE2	5.51	1.31	1.25
3	6-M	230	GLU	CD-OE2	5.51	1.31	1.25
3	9-M	230	GLU	CD-OE2	5.51	1.31	1.25
3	1-M	468	GLU	CD-OE1	5.50	1.31	1.25
3	2-M	468	GLU	CD-OE1	5.50	1.31	1.25
3	4-M	468	GLU	CD-OE1	5.50	1.31	1.25
2	6-C	6	GLU	CD-OE2	5.50	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	7-M	468	GLU	CD-OE1	5.50	1.31	1.25
3	8-M	468	GLU	CD-OE1	5.50	1.31	1.25
3	3-M	74	GLU	CD-OE2	5.50	1.31	1.25
3	5-M	74	GLU	CD-OE2	5.50	1.31	1.25
3	6-M	74	GLU	CD-OE2	5.50	1.31	1.25
3	9-M	74	GLU	CD-OE2	5.50	1.31	1.25
2	3-C	6	GLU	CD-OE2	5.49	1.31	1.25
3	3-M	219	GLU	CD-OE1	5.49	1.31	1.25
3	5-M	219	GLU	CD-OE1	5.49	1.31	1.25
3	6-M	219	GLU	CD-OE1	5.49	1.31	1.25
3	9-M	219	GLU	CD-OE1	5.49	1.31	1.25
2	9-C	6	GLU	CD-OE2	5.48	1.31	1.25
3	1-M	230	GLU	CD-OE2	5.48	1.31	1.25
3	1-M	373	GLU	CD-OE1	5.48	1.31	1.25
3	2-M	230	GLU	CD-OE2	5.48	1.31	1.25
3	2-M	373	GLU	CD-OE1	5.48	1.31	1.25
2	4-C	6	GLU	CD-OE2	5.48	1.31	1.25
3	4-M	230	GLU	CD-OE2	5.48	1.31	1.25
3	4-M	373	GLU	CD-OE1	5.48	1.31	1.25
3	7-M	230	GLU	CD-OE2	5.48	1.31	1.25
3	7-M	373	GLU	CD-OE1	5.48	1.31	1.25
3	8-M	230	GLU	CD-OE2	5.48	1.31	1.25
3	8-M	373	GLU	CD-OE1	5.48	1.31	1.25
3	10-M	506	GLU	CD-OE2	5.48	1.31	1.25
3	11-M	506	GLU	CD-OE2	5.48	1.31	1.25
3	12-M	506	GLU	CD-OE2	5.48	1.31	1.25
3	13-M	506	GLU	CD-OE2	5.48	1.31	1.25
3	14-M	506	GLU	CD-OE2	5.48	1.31	1.25
3	10-M	74	GLU	CD-OE2	5.47	1.31	1.25
3	11-M	74	GLU	CD-OE2	5.47	1.31	1.25
3	12-M	74	GLU	CD-OE2	5.47	1.31	1.25
3	13-M	74	GLU	CD-OE2	5.47	1.31	1.25
3	14-M	74	GLU	CD-OE2	5.47	1.31	1.25
3	3-M	468	GLU	CD-OE1	5.47	1.31	1.25
3	5-M	468	GLU	CD-OE1	5.47	1.31	1.25
3	6-M	468	GLU	CD-OE1	5.47	1.31	1.25
3	9-M	468	GLU	CD-OE1	5.47	1.31	1.25
3	3-M	506	GLU	CD-OE2	5.46	1.31	1.25
3	5-M	506	GLU	CD-OE2	5.46	1.31	1.25
3	6-M	506	GLU	CD-OE2	5.46	1.31	1.25
3	9-M	506	GLU	CD-OE2	5.46	1.31	1.25
3	10-M	373	GLU	CD-OE1	5.46	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	11-M	373	GLU	CD-OE1	5.46	1.31	1.25
3	12-M	373	GLU	CD-OE1	5.46	1.31	1.25
3	13-M	373	GLU	CD-OE1	5.46	1.31	1.25
3	14-M	373	GLU	CD-OE1	5.46	1.31	1.25
2	8-C	6	GLU	CD-OE2	5.45	1.31	1.25
2	12-C	6	GLU	CD-OE2	5.45	1.31	1.25
3	1-M	298	GLU	CD-OE2	5.44	1.31	1.25
3	2-M	298	GLU	CD-OE2	5.44	1.31	1.25
3	4-M	298	GLU	CD-OE2	5.44	1.31	1.25
3	7-M	298	GLU	CD-OE2	5.44	1.31	1.25
3	8-M	298	GLU	CD-OE2	5.44	1.31	1.25
3	1-M	219	GLU	CD-OE1	5.43	1.31	1.25
3	2-M	219	GLU	CD-OE1	5.43	1.31	1.25
3	4-M	219	GLU	CD-OE1	5.43	1.31	1.25
3	7-M	219	GLU	CD-OE1	5.43	1.31	1.25
3	8-M	219	GLU	CD-OE1	5.43	1.31	1.25
2	2-C	6	GLU	CD-OE2	5.43	1.31	1.25
3	1-M	506	GLU	CD-OE2	5.42	1.31	1.25
3	2-M	506	GLU	CD-OE2	5.42	1.31	1.25
3	4-M	506	GLU	CD-OE2	5.42	1.31	1.25
3	7-M	506	GLU	CD-OE2	5.42	1.31	1.25
3	8-M	506	GLU	CD-OE2	5.42	1.31	1.25
3	3-M	298	GLU	CD-OE2	5.41	1.31	1.25
3	5-M	298	GLU	CD-OE2	5.41	1.31	1.25
3	6-M	298	GLU	CD-OE2	5.41	1.31	1.25
3	9-M	298	GLU	CD-OE2	5.41	1.31	1.25
2	1-C	6	GLU	CD-OE2	5.41	1.31	1.25
3	1-M	21	GLU	CD-OE2	5.41	1.31	1.25
3	2-M	21	GLU	CD-OE2	5.41	1.31	1.25
3	4-M	21	GLU	CD-OE2	5.41	1.31	1.25
3	7-M	21	GLU	CD-OE2	5.41	1.31	1.25
3	8-M	21	GLU	CD-OE2	5.41	1.31	1.25
3	3-M	777	GLU	CD-OE2	5.40	1.31	1.25
2	7-C	6	GLU	CD-OE2	5.39	1.31	1.25
3	5-M	777	GLU	CD-OE2	5.39	1.31	1.25
3	10-M	527	GLU	CD-OE2	-5.35	1.19	1.25
3	11-M	527	GLU	CD-OE2	-5.35	1.19	1.25
3	12-M	527	GLU	CD-OE2	-5.35	1.19	1.25
3	13-M	527	GLU	CD-OE2	-5.35	1.19	1.25
3	14-M	527	GLU	CD-OE2	-5.35	1.19	1.25
3	10-M	21	GLU	CD-OE2	5.33	1.31	1.25
3	11-M	21	GLU	CD-OE2	5.33	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	12-M	21	GLU	CD-OE2	5.33	1.31	1.25
3	13-M	21	GLU	CD-OE2	5.33	1.31	1.25
3	14-M	21	GLU	CD-OE2	5.33	1.31	1.25
3	9-M	777	GLU	CD-OE2	5.33	1.31	1.25
3	10-M	298	GLU	CD-OE2	5.32	1.31	1.25
3	11-M	298	GLU	CD-OE2	5.32	1.31	1.25
3	12-M	298	GLU	CD-OE2	5.32	1.31	1.25
3	13-M	298	GLU	CD-OE2	5.32	1.31	1.25
3	14-M	298	GLU	CD-OE2	5.32	1.31	1.25
3	3-M	21	GLU	CD-OE2	5.32	1.31	1.25
3	3-M	527	GLU	CD-OE2	-5.32	1.19	1.25
3	5-M	21	GLU	CD-OE2	5.32	1.31	1.25
3	5-M	527	GLU	CD-OE2	-5.32	1.19	1.25
3	6-M	21	GLU	CD-OE2	5.32	1.31	1.25
3	6-M	527	GLU	CD-OE2	-5.32	1.19	1.25
3	9-M	21	GLU	CD-OE2	5.32	1.31	1.25
3	9-M	527	GLU	CD-OE2	-5.32	1.19	1.25
3	1-M	777	GLU	CD-OE2	5.32	1.31	1.25
3	6-M	777	GLU	CD-OE2	5.31	1.31	1.25
3	14-M	777	GLU	CD-OE2	5.30	1.31	1.25
3	8-M	777	GLU	CD-OE2	5.29	1.31	1.25
3	10-M	777	GLU	CD-OE2	5.29	1.31	1.25
3	13-M	777	GLU	CD-OE2	5.29	1.31	1.25
3	7-M	777	GLU	CD-OE2	5.29	1.31	1.25
3	2-M	777	GLU	CD-OE2	5.29	1.31	1.25
3	12-M	777	GLU	CD-OE2	5.29	1.31	1.25
3	1-M	282	GLU	CD-OE1	5.28	1.31	1.25
3	2-M	282	GLU	CD-OE1	5.28	1.31	1.25
3	4-M	282	GLU	CD-OE1	5.28	1.31	1.25
3	7-M	282	GLU	CD-OE1	5.28	1.31	1.25
3	8-M	282	GLU	CD-OE1	5.28	1.31	1.25
3	10-M	65	GLU	CD-OE1	5.27	1.31	1.25
3	11-M	65	GLU	CD-OE1	5.27	1.31	1.25
3	12-M	65	GLU	CD-OE1	5.27	1.31	1.25
3	13-M	65	GLU	CD-OE1	5.27	1.31	1.25
3	14-M	65	GLU	CD-OE1	5.27	1.31	1.25
3	4-M	777	GLU	CD-OE2	5.26	1.31	1.25
3	10-M	219	GLU	CD-OE1	5.25	1.31	1.25
3	11-M	219	GLU	CD-OE1	5.25	1.31	1.25
3	12-M	219	GLU	CD-OE1	5.25	1.31	1.25
3	13-M	219	GLU	CD-OE1	5.25	1.31	1.25
3	14-M	219	GLU	CD-OE1	5.25	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	11-M	777	GLU	CD-OE2	5.25	1.31	1.25
3	3-M	282	GLU	CD-OE1	5.24	1.31	1.25
3	5-M	282	GLU	CD-OE1	5.24	1.31	1.25
3	6-M	282	GLU	CD-OE1	5.24	1.31	1.25
3	9-M	282	GLU	CD-OE1	5.24	1.31	1.25
3	10-M	282	GLU	CD-OE1	5.22	1.31	1.25
3	11-M	282	GLU	CD-OE1	5.22	1.31	1.25
3	12-M	282	GLU	CD-OE1	5.22	1.31	1.25
3	13-M	282	GLU	CD-OE1	5.22	1.31	1.25
3	14-M	282	GLU	CD-OE1	5.22	1.31	1.25
3	1-M	527	GLU	CD-OE2	-5.21	1.20	1.25
3	2-M	527	GLU	CD-OE2	-5.21	1.20	1.25
3	4-M	527	GLU	CD-OE2	-5.21	1.20	1.25
3	7-M	527	GLU	CD-OE2	-5.21	1.20	1.25
3	8-M	527	GLU	CD-OE2	-5.21	1.20	1.25
3	3-M	150	GLU	CD-OE1	5.17	1.31	1.25
3	5-M	150	GLU	CD-OE1	5.17	1.31	1.25
3	6-M	150	GLU	CD-OE1	5.17	1.31	1.25
3	9-M	150	GLU	CD-OE1	5.17	1.31	1.25
3	1-M	702	GLU	CD-OE2	5.16	1.31	1.25
3	2-M	702	GLU	CD-OE2	5.16	1.31	1.25
3	4-M	702	GLU	CD-OE2	5.16	1.31	1.25
3	7-M	702	GLU	CD-OE2	5.16	1.31	1.25
3	8-M	702	GLU	CD-OE2	5.16	1.31	1.25
3	1-M	12	GLU	CD-OE2	5.16	1.31	1.25
3	2-M	12	GLU	CD-OE2	5.16	1.31	1.25
3	4-M	12	GLU	CD-OE2	5.16	1.31	1.25
3	7-M	12	GLU	CD-OE2	5.16	1.31	1.25
3	8-M	12	GLU	CD-OE2	5.16	1.31	1.25
3	10-M	702	GLU	CD-OE2	5.15	1.31	1.25
3	11-M	702	GLU	CD-OE2	5.15	1.31	1.25
3	12-M	702	GLU	CD-OE2	5.15	1.31	1.25
3	13-M	702	GLU	CD-OE2	5.15	1.31	1.25
3	14-M	702	GLU	CD-OE2	5.15	1.31	1.25
3	3-M	65	GLU	CD-OE1	5.15	1.31	1.25
3	5-M	65	GLU	CD-OE1	5.15	1.31	1.25
3	6-M	65	GLU	CD-OE1	5.15	1.31	1.25
3	9-M	65	GLU	CD-OE1	5.15	1.31	1.25
3	1-M	65	GLU	CD-OE1	5.13	1.31	1.25
3	1-M	150	GLU	CD-OE1	5.13	1.31	1.25
3	2-M	65	GLU	CD-OE1	5.13	1.31	1.25
3	2-M	150	GLU	CD-OE1	5.13	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	4-M	65	GLU	CD-OE1	5.13	1.31	1.25
3	4-M	150	GLU	CD-OE1	5.13	1.31	1.25
3	7-M	65	GLU	CD-OE1	5.13	1.31	1.25
3	7-M	150	GLU	CD-OE1	5.13	1.31	1.25
3	8-M	65	GLU	CD-OE1	5.13	1.31	1.25
3	8-M	150	GLU	CD-OE1	5.13	1.31	1.25
3	3-M	702	GLU	CD-OE2	5.12	1.31	1.25
3	5-M	702	GLU	CD-OE2	5.12	1.31	1.25
3	6-M	702	GLU	CD-OE2	5.12	1.31	1.25
3	9-M	702	GLU	CD-OE2	5.12	1.31	1.25
3	3-M	12	GLU	CD-OE2	5.12	1.31	1.25
3	5-M	12	GLU	CD-OE2	5.12	1.31	1.25
3	6-M	12	GLU	CD-OE2	5.12	1.31	1.25
3	9-M	12	GLU	CD-OE2	5.12	1.31	1.25
3	1-M	697	CYS	CB-SG	5.10	1.91	1.82
3	2-M	697	CYS	CB-SG	5.10	1.91	1.82
3	4-M	697	CYS	CB-SG	5.10	1.91	1.82
3	7-M	697	CYS	CB-SG	5.10	1.91	1.82
3	8-M	697	CYS	CB-SG	5.10	1.91	1.82
3	10-M	150	GLU	CD-OE1	5.09	1.31	1.25
3	11-M	150	GLU	CD-OE1	5.09	1.31	1.25
3	12-M	150	GLU	CD-OE1	5.09	1.31	1.25
3	13-M	150	GLU	CD-OE1	5.09	1.31	1.25
3	14-M	150	GLU	CD-OE1	5.09	1.31	1.25
3	10-M	12	GLU	CD-OE2	5.08	1.31	1.25
3	11-M	12	GLU	CD-OE2	5.08	1.31	1.25
3	12-M	12	GLU	CD-OE2	5.08	1.31	1.25
3	13-M	12	GLU	CD-OE2	5.08	1.31	1.25
3	14-M	12	GLU	CD-OE2	5.08	1.31	1.25
3	1-M	271	GLU	CD-OE1	5.06	1.31	1.25
3	2-M	271	GLU	CD-OE1	5.06	1.31	1.25
3	4-M	271	GLU	CD-OE1	5.06	1.31	1.25
3	7-M	271	GLU	CD-OE1	5.06	1.31	1.25
3	8-M	271	GLU	CD-OE1	5.06	1.31	1.25
3	10-M	679	GLU	CD-OE2	5.06	1.31	1.25
3	11-M	679	GLU	CD-OE2	5.06	1.31	1.25
3	12-M	679	GLU	CD-OE2	5.06	1.31	1.25
3	13-M	679	GLU	CD-OE2	5.06	1.31	1.25
3	14-M	679	GLU	CD-OE2	5.06	1.31	1.25
3	3-M	679	GLU	CD-OE2	5.05	1.31	1.25
3	5-M	679	GLU	CD-OE2	5.05	1.31	1.25
3	6-M	679	GLU	CD-OE2	5.05	1.31	1.25

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	9-M	679	GLU	CD-OE2	5.05	1.31	1.25
3	10-M	697	CYS	CB-SG	5.00	1.90	1.82
3	11-M	697	CYS	CB-SG	5.00	1.90	1.82
3	12-M	697	CYS	CB-SG	5.00	1.90	1.82
3	13-M	697	CYS	CB-SG	5.00	1.90	1.82
3	14-M	697	CYS	CB-SG	5.00	1.90	1.82
3	1-M	679	GLU	CD-OE2	5.00	1.31	1.25
3	2-M	679	GLU	CD-OE2	5.00	1.31	1.25
3	4-M	679	GLU	CD-OE2	5.00	1.31	1.25
3	7-M	679	GLU	CD-OE2	5.00	1.31	1.25
3	8-M	679	GLU	CD-OE2	5.00	1.31	1.25
3	3-M	697	CYS	CB-SG	5.00	1.90	1.82
3	5-M	697	CYS	CB-SG	5.00	1.90	1.82
3	6-M	697	CYS	CB-SG	5.00	1.90	1.82
3	9-M	697	CYS	CB-SG	5.00	1.90	1.82

All (1703) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	731	ALA	O-C-N	-28.58	76.97	122.70
3	1-M	731	ALA	O-C-N	-28.58	76.98	122.70
3	7-M	731	ALA	O-C-N	-28.57	76.99	122.70
3	8-M	731	ALA	O-C-N	-28.57	76.99	122.70
3	4-M	731	ALA	O-C-N	-28.55	77.02	122.70
3	6-M	731	ALA	O-C-N	-28.53	77.05	122.70
3	9-M	731	ALA	O-C-N	-28.53	77.05	122.70
3	10-M	731	ALA	O-C-N	-28.53	77.05	122.70
3	13-M	731	ALA	O-C-N	-28.53	77.05	122.70
3	11-M	731	ALA	O-C-N	-28.53	77.05	122.70
3	14-M	731	ALA	O-C-N	-28.53	77.05	122.70
3	12-M	731	ALA	O-C-N	-28.52	77.06	122.70
3	5-M	731	ALA	O-C-N	-28.52	77.06	122.70
3	3-M	731	ALA	O-C-N	-28.52	77.07	122.70
3	14-M	709	LYS	C-N-CA	-16.45	87.76	122.30
3	1-M	800	ARG	NE-CZ-NH2	-16.23	112.19	120.30
3	4-M	800	ARG	NE-CZ-NH2	-16.19	112.20	120.30
3	8-M	800	ARG	NE-CZ-NH2	-16.19	112.20	120.30
3	7-M	800	ARG	NE-CZ-NH2	-16.18	112.21	120.30
3	9-M	800	ARG	NE-CZ-NH2	-16.14	112.23	120.30
3	2-M	800	ARG	NE-CZ-NH2	-16.13	112.23	120.30
3	5-M	800	ARG	NE-CZ-NH2	-16.12	112.24	120.30
3	10-M	800	ARG	NE-CZ-NH2	-16.10	112.25	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	13-M	800	ARG	NE-CZ-NH2	-16.10	112.25	120.30
3	6-M	800	ARG	NE-CZ-NH2	-16.09	112.25	120.30
3	11-M	800	ARG	NE-CZ-NH2	-16.07	112.27	120.30
3	14-M	800	ARG	NE-CZ-NH2	-16.05	112.27	120.30
3	12-M	800	ARG	NE-CZ-NH2	-16.02	112.29	120.30
3	3-M	800	ARG	NE-CZ-NH2	-16.02	112.29	120.30
3	1-M	709	LYS	C-N-CA	-15.08	90.63	122.30
3	7-M	709	LYS	C-N-CA	-14.13	92.63	122.30
1	10-B	141	PRO	N-CA-C	12.57	144.78	112.10
1	13-B	141	PRO	N-CA-C	12.57	144.78	112.10
1	11-B	141	PRO	N-CA-C	12.56	144.76	112.10
1	14-B	141	PRO	N-CA-C	12.56	144.75	112.10
1	12-B	141	PRO	N-CA-C	12.56	144.75	112.10
1	2-B	141	PRO	N-CA-C	12.55	144.74	112.10
1	8-B	141	PRO	N-CA-C	12.55	144.73	112.10
1	7-B	141	PRO	N-CA-C	12.54	144.71	112.10
1	4-B	141	PRO	N-CA-C	12.54	144.71	112.10
1	1-B	141	PRO	N-CA-C	12.54	144.69	112.10
1	9-B	141	PRO	N-CA-C	12.53	144.67	112.10
1	6-B	141	PRO	N-CA-C	12.51	144.63	112.10
1	3-B	141	PRO	N-CA-C	12.51	144.63	112.10
1	5-B	141	PRO	N-CA-C	12.50	144.59	112.10
3	6-M	737	PHE	C-N-CA	-12.11	91.44	121.70
3	4-M	737	PHE	C-N-CA	-12.10	91.45	121.70
3	5-M	737	PHE	C-N-CA	-12.10	91.45	121.70
3	3-M	737	PHE	C-N-CA	-12.10	91.46	121.70
3	9-M	737	PHE	C-N-CA	-12.10	91.46	121.70
3	1-M	737	PHE	C-N-CA	-12.09	91.48	121.70
3	7-M	737	PHE	C-N-CA	-12.09	91.49	121.70
3	8-M	737	PHE	C-N-CA	-12.09	91.49	121.70
3	2-M	737	PHE	C-N-CA	-12.08	91.49	121.70
3	11-M	737	PHE	C-N-CA	-12.07	91.53	121.70
3	12-M	737	PHE	C-N-CA	-12.07	91.52	121.70
3	10-M	737	PHE	C-N-CA	-12.06	91.56	121.70
3	13-M	737	PHE	C-N-CA	-12.06	91.56	121.70
3	14-M	737	PHE	C-N-CA	-12.05	91.57	121.70
1	5-B	141	PRO	CA-N-CD	-11.87	94.88	111.50
1	1-B	141	PRO	CA-N-CD	-11.87	94.89	111.50
1	6-B	141	PRO	CA-N-CD	-11.85	94.91	111.50
1	2-B	141	PRO	CA-N-CD	-11.85	94.91	111.50
1	3-B	141	PRO	CA-N-CD	-11.85	94.92	111.50
1	8-B	141	PRO	CA-N-CD	-11.85	94.92	111.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	11-B	141	PRO	CA-N-CD	-11.84	94.92	111.50
1	7-B	141	PRO	CA-N-CD	-11.84	94.93	111.50
1	9-B	141	PRO	CA-N-CD	-11.84	94.93	111.50
1	4-B	141	PRO	CA-N-CD	-11.83	94.94	111.50
1	14-B	141	PRO	CA-N-CD	-11.81	94.96	111.50
1	10-B	141	PRO	CA-N-CD	-11.81	94.96	111.50
1	13-B	141	PRO	CA-N-CD	-11.81	94.96	111.50
1	12-B	141	PRO	CA-N-CD	-11.79	95.00	111.50
3	1-M	98	HIS	CB-CA-C	-11.61	87.18	110.40
3	2-M	98	HIS	CB-CA-C	-11.61	87.18	110.40
3	4-M	98	HIS	CB-CA-C	-11.61	87.18	110.40
3	7-M	98	HIS	CB-CA-C	-11.61	87.18	110.40
3	8-M	98	HIS	CB-CA-C	-11.61	87.18	110.40
3	3-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	5-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	6-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	9-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	10-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	11-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	12-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	13-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	14-M	98	HIS	CB-CA-C	-11.56	87.28	110.40
3	14-M	731	ALA	CA-C-N	-11.35	92.22	117.20
3	12-M	731	ALA	CA-C-N	-11.33	92.27	117.20
3	10-M	731	ALA	CA-C-N	-11.33	92.28	117.20
3	11-M	731	ALA	CA-C-N	-11.33	92.28	117.20
3	13-M	731	ALA	CA-C-N	-11.33	92.28	117.20
3	8-M	731	ALA	CA-C-N	-11.32	92.29	117.20
3	9-M	731	ALA	CA-C-N	-11.32	92.29	117.20
3	3-M	731	ALA	CA-C-N	-11.32	92.30	117.20
3	5-M	731	ALA	CA-C-N	-11.32	92.30	117.20
3	2-M	731	ALA	CA-C-N	-11.32	92.31	117.20
3	4-M	731	ALA	CA-C-N	-11.32	92.30	117.20
3	1-M	731	ALA	CA-C-N	-11.31	92.32	117.20
3	7-M	731	ALA	CA-C-N	-11.31	92.31	117.20
3	6-M	731	ALA	CA-C-N	-11.30	92.33	117.20
3	1-M	327	ASP	CB-CG-OD1	-9.96	109.34	118.30
3	2-M	327	ASP	CB-CG-OD1	-9.96	109.34	118.30
3	4-M	327	ASP	CB-CG-OD1	-9.96	109.34	118.30
3	7-M	327	ASP	CB-CG-OD1	-9.96	109.34	118.30
3	8-M	327	ASP	CB-CG-OD1	-9.96	109.34	118.30
3	10-M	327	ASP	CB-CG-OD1	-9.95	109.34	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	327	ASP	CB-CG-OD1	-9.95	109.34	118.30
3	12-M	327	ASP	CB-CG-OD1	-9.95	109.34	118.30
3	13-M	327	ASP	CB-CG-OD1	-9.95	109.34	118.30
3	14-M	327	ASP	CB-CG-OD1	-9.95	109.34	118.30
3	3-M	327	ASP	CB-CG-OD1	-9.95	109.35	118.30
3	5-M	327	ASP	CB-CG-OD1	-9.95	109.35	118.30
3	6-M	327	ASP	CB-CG-OD1	-9.95	109.35	118.30
3	9-M	327	ASP	CB-CG-OD1	-9.95	109.35	118.30
3	10-M	241	ASP	CB-CG-OD1	-9.86	109.42	118.30
3	11-M	241	ASP	CB-CG-OD1	-9.86	109.42	118.30
3	12-M	241	ASP	CB-CG-OD1	-9.86	109.42	118.30
3	13-M	241	ASP	CB-CG-OD1	-9.86	109.42	118.30
3	14-M	241	ASP	CB-CG-OD1	-9.86	109.42	118.30
3	1-M	241	ASP	CB-CG-OD1	-9.86	109.43	118.30
3	2-M	241	ASP	CB-CG-OD1	-9.86	109.43	118.30
3	4-M	241	ASP	CB-CG-OD1	-9.86	109.43	118.30
3	7-M	241	ASP	CB-CG-OD1	-9.86	109.43	118.30
3	8-M	241	ASP	CB-CG-OD1	-9.86	109.43	118.30
3	3-M	241	ASP	CB-CG-OD1	-9.82	109.46	118.30
3	5-M	241	ASP	CB-CG-OD1	-9.82	109.46	118.30
3	6-M	241	ASP	CB-CG-OD1	-9.82	109.46	118.30
3	9-M	241	ASP	CB-CG-OD1	-9.82	109.46	118.30
3	10-M	264	ASP	CB-CG-OD2	-9.59	109.67	118.30
3	11-M	264	ASP	CB-CG-OD2	-9.59	109.67	118.30
3	12-M	264	ASP	CB-CG-OD2	-9.59	109.67	118.30
3	13-M	264	ASP	CB-CG-OD2	-9.59	109.67	118.30
3	14-M	264	ASP	CB-CG-OD2	-9.59	109.67	118.30
3	3-M	264	ASP	CB-CG-OD2	-9.51	109.74	118.30
3	5-M	264	ASP	CB-CG-OD2	-9.51	109.74	118.30
3	6-M	264	ASP	CB-CG-OD2	-9.51	109.74	118.30
3	9-M	264	ASP	CB-CG-OD2	-9.51	109.74	118.30
3	1-M	264	ASP	CB-CG-OD2	-9.47	109.77	118.30
3	2-M	264	ASP	CB-CG-OD2	-9.47	109.77	118.30
3	4-M	264	ASP	CB-CG-OD2	-9.47	109.77	118.30
3	7-M	264	ASP	CB-CG-OD2	-9.47	109.77	118.30
3	8-M	264	ASP	CB-CG-OD2	-9.47	109.77	118.30
3	1-M	352	TYR	CB-CG-CD1	9.11	126.46	121.00
3	2-M	352	TYR	CB-CG-CD1	9.11	126.46	121.00
3	4-M	352	TYR	CB-CG-CD1	9.11	126.46	121.00
3	7-M	352	TYR	CB-CG-CD1	9.11	126.46	121.00
3	8-M	352	TYR	CB-CG-CD1	9.11	126.46	121.00
3	10-M	352	TYR	CB-CG-CD1	9.10	126.46	121.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	352	TYR	CB-CG-CD1	9.10	126.46	121.00
3	12-M	352	TYR	CB-CG-CD1	9.10	126.46	121.00
3	13-M	352	TYR	CB-CG-CD1	9.10	126.46	121.00
3	14-M	352	TYR	CB-CG-CD1	9.10	126.46	121.00
3	3-M	378	ASP	CB-CG-OD2	9.09	126.48	118.30
3	5-M	378	ASP	CB-CG-OD2	9.09	126.48	118.30
3	6-M	378	ASP	CB-CG-OD2	9.09	126.48	118.30
3	9-M	378	ASP	CB-CG-OD2	9.09	126.48	118.30
3	1-M	378	ASP	CB-CG-OD2	9.05	126.45	118.30
3	2-M	378	ASP	CB-CG-OD2	9.05	126.45	118.30
3	4-M	378	ASP	CB-CG-OD2	9.05	126.45	118.30
3	7-M	378	ASP	CB-CG-OD2	9.05	126.45	118.30
3	8-M	378	ASP	CB-CG-OD2	9.05	126.45	118.30
3	3-M	352	TYR	CB-CG-CD1	9.03	126.42	121.00
3	5-M	352	TYR	CB-CG-CD1	9.03	126.42	121.00
3	6-M	352	TYR	CB-CG-CD1	9.03	126.42	121.00
3	9-M	352	TYR	CB-CG-CD1	9.03	126.42	121.00
3	10-M	378	ASP	CB-CG-OD2	9.02	126.42	118.30
3	11-M	378	ASP	CB-CG-OD2	9.02	126.42	118.30
3	12-M	378	ASP	CB-CG-OD2	9.02	126.42	118.30
3	13-M	378	ASP	CB-CG-OD2	9.02	126.42	118.30
3	14-M	378	ASP	CB-CG-OD2	9.02	126.42	118.30
3	1-M	601	ASP	CB-CG-OD1	-8.61	110.56	118.30
3	2-M	601	ASP	CB-CG-OD1	-8.61	110.56	118.30
3	4-M	601	ASP	CB-CG-OD1	-8.61	110.56	118.30
3	7-M	601	ASP	CB-CG-OD1	-8.61	110.56	118.30
3	8-M	601	ASP	CB-CG-OD1	-8.61	110.56	118.30
3	10-M	601	ASP	CB-CG-OD1	-8.57	110.59	118.30
3	11-M	601	ASP	CB-CG-OD1	-8.57	110.59	118.30
3	12-M	601	ASP	CB-CG-OD1	-8.57	110.59	118.30
3	13-M	601	ASP	CB-CG-OD1	-8.57	110.59	118.30
3	14-M	601	ASP	CB-CG-OD1	-8.57	110.59	118.30
3	3-M	601	ASP	CB-CG-OD1	-8.51	110.64	118.30
3	5-M	601	ASP	CB-CG-OD1	-8.51	110.64	118.30
3	6-M	601	ASP	CB-CG-OD1	-8.51	110.64	118.30
3	9-M	601	ASP	CB-CG-OD1	-8.51	110.64	118.30
3	3-M	352	TYR	CB-CG-CD2	-8.34	116.00	121.00
3	5-M	352	TYR	CB-CG-CD2	-8.34	116.00	121.00
3	6-M	352	TYR	CB-CG-CD2	-8.34	116.00	121.00
3	9-M	352	TYR	CB-CG-CD2	-8.34	116.00	121.00
1	5-B	137	TRP	CD1-CG-CD2	8.33	112.96	106.30
3	10-M	352	TYR	CB-CG-CD2	-8.32	116.01	121.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	352	TYR	CB-CG-CD2	-8.32	116.01	121.00
3	12-M	352	TYR	CB-CG-CD2	-8.32	116.01	121.00
3	13-M	352	TYR	CB-CG-CD2	-8.32	116.01	121.00
3	14-M	352	TYR	CB-CG-CD2	-8.32	116.01	121.00
1	9-B	137	TRP	CD1-CG-CD2	8.31	112.95	106.30
1	10-B	137	TRP	CD1-CG-CD2	8.29	112.94	106.30
1	13-B	137	TRP	CD1-CG-CD2	8.29	112.94	106.30
1	3-B	137	TRP	CD1-CG-CD2	8.28	112.92	106.30
1	14-B	15	VAL	CA-CB-CG2	-8.26	98.51	110.90
1	6-B	137	TRP	CD1-CG-CD2	8.26	112.91	106.30
1	11-B	15	VAL	CA-CB-CG2	-8.26	98.51	110.90
1	12-B	15	VAL	CA-CB-CG2	-8.26	98.51	110.90
1	2-B	137	TRP	CD1-CG-CD2	8.25	112.90	106.30
1	1-B	137	TRP	CD1-CG-CD2	8.24	112.89	106.30
3	1-M	352	TYR	CB-CG-CD2	-8.23	116.06	121.00
3	2-M	352	TYR	CB-CG-CD2	-8.23	116.06	121.00
3	4-M	352	TYR	CB-CG-CD2	-8.23	116.06	121.00
1	7-B	137	TRP	CD1-CG-CD2	8.23	112.89	106.30
3	7-M	352	TYR	CB-CG-CD2	-8.23	116.06	121.00
3	8-M	352	TYR	CB-CG-CD2	-8.23	116.06	121.00
1	14-B	137	TRP	CD1-CG-CD2	8.23	112.89	106.30
1	10-B	15	VAL	CA-CB-CG2	-8.23	98.56	110.90
1	12-B	137	TRP	CD1-CG-CD2	8.23	112.88	106.30
1	13-B	15	VAL	CA-CB-CG2	-8.23	98.56	110.90
1	4-B	137	TRP	CD1-CG-CD2	8.23	112.88	106.30
1	8-B	137	TRP	CD1-CG-CD2	8.22	112.88	106.30
1	7-B	15	VAL	CA-CB-CG2	-8.21	98.58	110.90
1	9-B	15	VAL	CA-CB-CG2	-8.21	98.58	110.90
1	2-B	15	VAL	CA-CB-CG2	-8.21	98.59	110.90
1	1-B	15	VAL	CA-CB-CG2	-8.21	98.59	110.90
1	6-B	15	VAL	CA-CB-CG2	-8.21	98.59	110.90
1	5-B	15	VAL	CA-CB-CG2	-8.20	98.60	110.90
1	8-B	15	VAL	CA-CB-CG2	-8.20	98.60	110.90
1	12-B	141	PRO	N-CA-CB	-8.20	93.46	103.30
1	11-B	137	TRP	CD1-CG-CD2	8.19	112.86	106.30
1	7-B	141	PRO	N-CA-CB	-8.19	93.47	103.30
1	3-B	15	VAL	CA-CB-CG2	-8.18	98.62	110.90
1	4-B	141	PRO	N-CA-CB	-8.18	93.48	103.30
1	4-B	15	VAL	CA-CB-CG2	-8.18	98.64	110.90
1	9-B	141	PRO	N-CA-CB	-8.18	93.49	103.30
1	10-B	141	PRO	N-CA-CB	-8.17	93.49	103.30
1	13-B	141	PRO	N-CA-CB	-8.17	93.49	103.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-B	141	PRO	N-CA-CB	-8.16	93.51	103.30
1	8-B	141	PRO	N-CA-CB	-8.16	93.51	103.30
1	14-B	141	PRO	N-CA-CB	-8.15	93.52	103.30
1	1-B	141	PRO	N-CA-CB	-8.15	93.52	103.30
1	11-B	141	PRO	N-CA-CB	-8.15	93.52	103.30
3	3-M	33	ASP	CB-CG-OD1	-8.14	110.97	118.30
3	5-M	33	ASP	CB-CG-OD1	-8.14	110.97	118.30
3	6-M	33	ASP	CB-CG-OD1	-8.14	110.97	118.30
3	9-M	33	ASP	CB-CG-OD1	-8.14	110.97	118.30
1	3-B	141	PRO	N-CA-CB	-8.14	93.53	103.30
3	10-M	33	ASP	CB-CG-OD1	-8.13	110.98	118.30
3	11-M	33	ASP	CB-CG-OD1	-8.13	110.98	118.30
3	12-M	33	ASP	CB-CG-OD1	-8.13	110.98	118.30
3	13-M	33	ASP	CB-CG-OD1	-8.13	110.98	118.30
3	14-M	33	ASP	CB-CG-OD1	-8.13	110.98	118.30
1	6-B	141	PRO	N-CA-CB	-8.11	93.56	103.30
1	5-B	141	PRO	N-CA-CB	-8.11	93.57	103.30
3	1-M	33	ASP	CB-CG-OD1	-8.09	111.02	118.30
3	2-M	33	ASP	CB-CG-OD1	-8.09	111.02	118.30
3	4-M	33	ASP	CB-CG-OD1	-8.09	111.02	118.30
3	7-M	33	ASP	CB-CG-OD1	-8.09	111.02	118.30
3	8-M	33	ASP	CB-CG-OD1	-8.09	111.02	118.30
3	10-M	339	ASP	CB-CG-OD1	-7.94	111.15	118.30
3	11-M	339	ASP	CB-CG-OD1	-7.94	111.15	118.30
3	12-M	339	ASP	CB-CG-OD1	-7.94	111.15	118.30
3	13-M	339	ASP	CB-CG-OD1	-7.94	111.15	118.30
3	14-M	339	ASP	CB-CG-OD1	-7.94	111.15	118.30
3	10-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	11-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	12-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	13-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	14-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	1-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	2-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	4-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	7-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	8-M	654	ARG	NE-CZ-NH1	7.88	124.24	120.30
3	3-M	339	ASP	CB-CG-OD1	-7.86	111.22	118.30
3	5-M	339	ASP	CB-CG-OD1	-7.86	111.22	118.30
3	6-M	339	ASP	CB-CG-OD1	-7.86	111.22	118.30
3	9-M	339	ASP	CB-CG-OD1	-7.86	111.22	118.30
1	9-B	137	TRP	CE2-CD2-CG	-7.86	101.01	107.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3-B	137	TRP	CE2-CD2-CG	-7.86	101.01	107.30
1	5-B	137	TRP	CE2-CD2-CG	-7.84	101.03	107.30
1	6-B	137	TRP	CE2-CD2-CG	-7.84	101.03	107.30
3	1-M	339	ASP	CB-CG-OD1	-7.83	111.26	118.30
3	2-M	339	ASP	CB-CG-OD1	-7.83	111.26	118.30
3	4-M	339	ASP	CB-CG-OD1	-7.83	111.26	118.30
3	7-M	339	ASP	CB-CG-OD1	-7.83	111.26	118.30
3	8-M	339	ASP	CB-CG-OD1	-7.83	111.26	118.30
1	7-B	137	TRP	CE2-CD2-CG	-7.81	101.05	107.30
3	3-M	654	ARG	NE-CZ-NH1	7.80	124.20	120.30
3	5-M	654	ARG	NE-CZ-NH1	7.80	124.20	120.30
3	6-M	654	ARG	NE-CZ-NH1	7.80	124.20	120.30
3	9-M	654	ARG	NE-CZ-NH1	7.80	124.20	120.30
1	8-B	137	TRP	CE2-CD2-CG	-7.77	101.08	107.30
1	2-B	137	TRP	CE2-CD2-CG	-7.77	101.09	107.30
1	4-B	137	TRP	CE2-CD2-CG	-7.76	101.09	107.30
1	10-B	137	TRP	CE2-CD2-CG	-7.74	101.11	107.30
1	13-B	137	TRP	CE2-CD2-CG	-7.74	101.11	107.30
1	1-B	137	TRP	CE2-CD2-CG	-7.72	101.12	107.30
1	12-B	137	TRP	CE2-CD2-CG	-7.70	101.14	107.30
1	11-B	137	TRP	CE2-CD2-CG	-7.67	101.16	107.30
1	14-B	137	TRP	CE2-CD2-CG	-7.67	101.16	107.30
1	9-B	137	TRP	CG-CD2-CE3	7.62	140.76	133.90
1	6-B	137	TRP	CG-CD2-CE3	7.61	140.75	133.90
1	3-B	137	TRP	CG-CD2-CE3	7.59	140.74	133.90
1	5-B	137	TRP	CG-CD2-CE3	7.59	140.73	133.90
1	10-B	137	TRP	CG-CD2-CE3	7.56	140.71	133.90
1	13-B	137	TRP	CG-CD2-CE3	7.56	140.71	133.90
3	1-M	653	PHE	CB-CG-CD1	-7.55	115.52	120.80
3	2-M	653	PHE	CB-CG-CD1	-7.55	115.52	120.80
3	4-M	653	PHE	CB-CG-CD1	-7.55	115.52	120.80
3	7-M	653	PHE	CB-CG-CD1	-7.55	115.52	120.80
3	8-M	653	PHE	CB-CG-CD1	-7.55	115.52	120.80
1	7-B	137	TRP	CG-CD2-CE3	7.53	140.68	133.90
1	2-B	137	TRP	CG-CD2-CE3	7.53	140.67	133.90
1	12-B	137	TRP	CG-CD2-CE3	7.52	140.66	133.90
1	11-B	137	TRP	CG-CD2-CE3	7.51	140.66	133.90
3	10-M	653	PHE	CB-CG-CD1	-7.51	115.54	120.80
3	11-M	653	PHE	CB-CG-CD1	-7.51	115.54	120.80
3	12-M	653	PHE	CB-CG-CD1	-7.51	115.54	120.80
3	13-M	653	PHE	CB-CG-CD1	-7.51	115.54	120.80
3	14-M	653	PHE	CB-CG-CD1	-7.51	115.54	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	8-B	137	TRP	CG-CD2-CE3	7.50	140.65	133.90
1	4-B	137	TRP	CG-CD2-CE3	7.49	140.64	133.90
1	14-B	137	TRP	CG-CD2-CE3	7.49	140.64	133.90
1	1-B	137	TRP	CG-CD2-CE3	7.49	140.64	133.90
3	3-M	653	PHE	CB-CG-CD1	-7.48	115.56	120.80
3	5-M	653	PHE	CB-CG-CD1	-7.48	115.56	120.80
3	6-M	653	PHE	CB-CG-CD1	-7.48	115.56	120.80
3	9-M	653	PHE	CB-CG-CD1	-7.48	115.56	120.80
2	12-C	40	ASN	C-N-CD	-7.42	104.27	120.60
2	7-C	40	ASN	C-N-CD	-7.41	104.30	120.60
2	10-C	40	ASN	C-N-CD	-7.41	104.31	120.60
2	13-C	40	ASN	C-N-CD	-7.41	104.31	120.60
2	4-C	40	ASN	C-N-CD	-7.41	104.31	120.60
2	8-C	40	ASN	C-N-CD	-7.40	104.32	120.60
2	1-C	40	ASN	C-N-CD	-7.40	104.32	120.60
2	14-C	40	ASN	C-N-CD	-7.40	104.32	120.60
2	11-C	40	ASN	C-N-CD	-7.40	104.32	120.60
2	3-C	40	ASN	C-N-CD	-7.39	104.34	120.60
2	2-C	40	ASN	C-N-CD	-7.38	104.36	120.60
2	6-C	40	ASN	C-N-CD	-7.37	104.38	120.60
2	9-C	40	ASN	C-N-CD	-7.37	104.38	120.60
2	5-C	40	ASN	C-N-CD	-7.37	104.40	120.60
3	10-M	518	ASP	CB-CG-OD1	-7.35	111.69	118.30
3	11-M	518	ASP	CB-CG-OD1	-7.35	111.69	118.30
3	12-M	518	ASP	CB-CG-OD1	-7.35	111.69	118.30
3	13-M	518	ASP	CB-CG-OD1	-7.35	111.69	118.30
3	14-M	518	ASP	CB-CG-OD1	-7.35	111.69	118.30
3	10-M	148	ARG	NE-CZ-NH2	-7.31	116.65	120.30
3	11-M	148	ARG	NE-CZ-NH2	-7.31	116.65	120.30
3	12-M	148	ARG	NE-CZ-NH2	-7.31	116.65	120.30
3	13-M	148	ARG	NE-CZ-NH2	-7.31	116.65	120.30
3	14-M	148	ARG	NE-CZ-NH2	-7.31	116.65	120.30
3	1-M	104	TYR	CB-CG-CD2	7.28	125.37	121.00
3	2-M	104	TYR	CB-CG-CD2	7.28	125.37	121.00
3	4-M	104	TYR	CB-CG-CD2	7.28	125.37	121.00
3	7-M	104	TYR	CB-CG-CD2	7.28	125.37	121.00
3	8-M	104	TYR	CB-CG-CD2	7.28	125.37	121.00
3	1-M	518	ASP	CB-CG-OD1	-7.28	111.75	118.30
3	2-M	518	ASP	CB-CG-OD1	-7.28	111.75	118.30
3	4-M	518	ASP	CB-CG-OD1	-7.28	111.75	118.30
3	7-M	518	ASP	CB-CG-OD1	-7.28	111.75	118.30
3	8-M	518	ASP	CB-CG-OD1	-7.28	111.75	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3-M	104	TYR	CB-CG-CD2	7.26	125.36	121.00
3	5-M	104	TYR	CB-CG-CD2	7.26	125.36	121.00
3	6-M	104	TYR	CB-CG-CD2	7.26	125.36	121.00
3	9-M	104	TYR	CB-CG-CD2	7.26	125.36	121.00
3	3-M	346	ASP	CB-CG-OD2	-7.25	111.78	118.30
3	5-M	346	ASP	CB-CG-OD2	-7.25	111.78	118.30
3	6-M	346	ASP	CB-CG-OD2	-7.25	111.78	118.30
3	9-M	346	ASP	CB-CG-OD2	-7.25	111.78	118.30
3	1-M	346	ASP	CB-CG-OD2	-7.21	111.81	118.30
3	2-M	346	ASP	CB-CG-OD2	-7.21	111.81	118.30
3	3-M	148	ARG	NE-CZ-NH2	-7.21	116.70	120.30
3	3-M	518	ASP	CB-CG-OD1	-7.21	111.81	118.30
3	4-M	346	ASP	CB-CG-OD2	-7.21	111.81	118.30
3	5-M	148	ARG	NE-CZ-NH2	-7.21	116.70	120.30
3	5-M	518	ASP	CB-CG-OD1	-7.21	111.81	118.30
3	6-M	148	ARG	NE-CZ-NH2	-7.21	116.70	120.30
3	6-M	518	ASP	CB-CG-OD1	-7.21	111.81	118.30
3	7-M	346	ASP	CB-CG-OD2	-7.21	111.81	118.30
3	8-M	346	ASP	CB-CG-OD2	-7.21	111.81	118.30
3	9-M	148	ARG	NE-CZ-NH2	-7.21	116.70	120.30
3	9-M	518	ASP	CB-CG-OD1	-7.21	111.81	118.30
3	10-M	104	TYR	CB-CG-CD2	7.21	125.32	121.00
3	11-M	104	TYR	CB-CG-CD2	7.21	125.32	121.00
3	12-M	104	TYR	CB-CG-CD2	7.21	125.32	121.00
3	13-M	104	TYR	CB-CG-CD2	7.21	125.32	121.00
3	14-M	104	TYR	CB-CG-CD2	7.21	125.32	121.00
3	1-M	148	ARG	NE-CZ-NH2	-7.20	116.70	120.30
3	2-M	148	ARG	NE-CZ-NH2	-7.20	116.70	120.30
3	4-M	148	ARG	NE-CZ-NH2	-7.20	116.70	120.30
3	7-M	148	ARG	NE-CZ-NH2	-7.20	116.70	120.30
3	8-M	148	ARG	NE-CZ-NH2	-7.20	116.70	120.30
3	10-M	346	ASP	CB-CG-OD2	-7.19	111.83	118.30
3	11-M	346	ASP	CB-CG-OD2	-7.19	111.83	118.30
3	12-M	346	ASP	CB-CG-OD2	-7.19	111.83	118.30
3	13-M	346	ASP	CB-CG-OD2	-7.19	111.83	118.30
3	14-M	346	ASP	CB-CG-OD2	-7.19	111.83	118.30
1	5-B	109	LYS	N-CA-C	7.07	130.07	111.00
1	2-B	109	LYS	N-CA-C	7.06	130.06	111.00
1	3-B	109	LYS	N-CA-C	7.06	130.06	111.00
1	9-B	109	LYS	N-CA-C	7.05	130.05	111.00
1	8-B	109	LYS	N-CA-C	7.05	130.03	111.00
1	10-B	109	LYS	N-CA-C	7.05	130.03	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	13-B	109	LYS	N-CA-C	7.05	130.03	111.00
1	12-B	109	LYS	N-CA-C	7.05	130.03	111.00
1	1-B	109	LYS	N-CA-C	7.04	130.02	111.00
1	7-B	109	LYS	N-CA-C	7.04	130.02	111.00
1	4-B	109	LYS	N-CA-C	7.04	130.01	111.00
1	6-B	109	LYS	N-CA-C	7.04	130.01	111.00
1	11-B	109	LYS	N-CA-C	7.04	129.99	111.00
1	14-B	109	LYS	N-CA-C	7.04	130.00	111.00
3	10-M	264	ASP	N-CA-CB	-6.95	98.08	110.60
3	11-M	264	ASP	N-CA-CB	-6.95	98.08	110.60
3	12-M	264	ASP	N-CA-CB	-6.95	98.08	110.60
3	13-M	264	ASP	N-CA-CB	-6.95	98.08	110.60
3	14-M	264	ASP	N-CA-CB	-6.95	98.08	110.60
3	3-M	75	ASP	N-CA-CB	6.95	123.11	110.60
3	5-M	75	ASP	N-CA-CB	6.95	123.11	110.60
3	6-M	75	ASP	N-CA-CB	6.95	123.11	110.60
3	9-M	75	ASP	N-CA-CB	6.95	123.11	110.60
3	1-M	75	ASP	N-CA-CB	6.95	123.10	110.60
3	2-M	75	ASP	N-CA-CB	6.95	123.10	110.60
3	4-M	75	ASP	N-CA-CB	6.95	123.10	110.60
3	7-M	75	ASP	N-CA-CB	6.95	123.10	110.60
3	8-M	75	ASP	N-CA-CB	6.95	123.10	110.60
3	1-M	264	ASP	N-CA-CB	-6.93	98.13	110.60
3	2-M	264	ASP	N-CA-CB	-6.93	98.13	110.60
3	4-M	264	ASP	N-CA-CB	-6.93	98.13	110.60
3	7-M	264	ASP	N-CA-CB	-6.93	98.13	110.60
3	8-M	264	ASP	N-CA-CB	-6.93	98.13	110.60
3	10-M	75	ASP	N-CA-CB	6.92	123.06	110.60
3	11-M	75	ASP	N-CA-CB	6.92	123.06	110.60
3	12-M	75	ASP	N-CA-CB	6.92	123.06	110.60
3	13-M	75	ASP	N-CA-CB	6.92	123.06	110.60
3	14-M	75	ASP	N-CA-CB	6.92	123.06	110.60
3	3-M	264	ASP	N-CA-CB	-6.91	98.16	110.60
3	5-M	264	ASP	N-CA-CB	-6.91	98.16	110.60
3	6-M	264	ASP	N-CA-CB	-6.91	98.16	110.60
3	9-M	264	ASP	N-CA-CB	-6.91	98.16	110.60
3	10-M	343	PHE	CB-CG-CD1	6.87	125.61	120.80
3	11-M	343	PHE	CB-CG-CD1	6.87	125.61	120.80
3	12-M	343	PHE	CB-CG-CD1	6.87	125.61	120.80
3	13-M	343	PHE	CB-CG-CD1	6.87	125.61	120.80
3	14-M	343	PHE	CB-CG-CD1	6.87	125.61	120.80
3	1-M	343	PHE	CB-CG-CD1	6.81	125.57	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	343	PHE	CB-CG-CD1	6.81	125.57	120.80
3	4-M	343	PHE	CB-CG-CD1	6.81	125.57	120.80
3	7-M	343	PHE	CB-CG-CD1	6.81	125.57	120.80
3	8-M	343	PHE	CB-CG-CD1	6.81	125.57	120.80
3	3-M	343	PHE	CB-CG-CD1	6.73	125.51	120.80
3	5-M	343	PHE	CB-CG-CD1	6.73	125.51	120.80
3	6-M	343	PHE	CB-CG-CD1	6.73	125.51	120.80
3	9-M	343	PHE	CB-CG-CD1	6.73	125.51	120.80
3	10-M	450	ASP	CB-CG-OD2	6.72	124.35	118.30
3	11-M	450	ASP	CB-CG-OD2	6.72	124.35	118.30
3	12-M	450	ASP	CB-CG-OD2	6.72	124.35	118.30
3	13-M	450	ASP	CB-CG-OD2	6.72	124.35	118.30
3	14-M	450	ASP	CB-CG-OD2	6.72	124.35	118.30
3	10-M	781	ASP	CB-CG-OD1	-6.71	112.26	118.30
3	13-M	781	ASP	CB-CG-OD1	-6.71	112.26	118.30
3	14-M	781	ASP	CB-CG-OD1	-6.70	112.27	118.30
3	3-M	450	ASP	CB-CG-OD2	6.70	124.33	118.30
3	5-M	450	ASP	CB-CG-OD2	6.70	124.33	118.30
3	6-M	450	ASP	CB-CG-OD2	6.70	124.33	118.30
3	9-M	450	ASP	CB-CG-OD2	6.70	124.33	118.30
3	11-M	781	ASP	CB-CG-OD1	-6.69	112.28	118.30
3	3-M	555	TYR	CB-CG-CD2	-6.69	116.99	121.00
3	5-M	555	TYR	CB-CG-CD2	-6.69	116.99	121.00
3	6-M	555	TYR	CB-CG-CD2	-6.69	116.99	121.00
3	9-M	555	TYR	CB-CG-CD2	-6.69	116.99	121.00
3	6-M	781	ASP	CB-CG-OD1	-6.68	112.29	118.30
3	5-M	781	ASP	CB-CG-OD1	-6.68	112.29	118.30
3	9-M	781	ASP	CB-CG-OD1	-6.68	112.29	118.30
3	12-M	781	ASP	CB-CG-OD1	-6.67	112.30	118.30
3	1-M	555	TYR	CB-CG-CD2	-6.65	117.01	121.00
3	2-M	555	TYR	CB-CG-CD2	-6.65	117.01	121.00
3	4-M	555	TYR	CB-CG-CD2	-6.65	117.01	121.00
3	7-M	555	TYR	CB-CG-CD2	-6.65	117.01	121.00
3	8-M	555	TYR	CB-CG-CD2	-6.65	117.01	121.00
3	10-M	555	TYR	CB-CG-CD2	-6.62	117.03	121.00
3	11-M	555	TYR	CB-CG-CD2	-6.62	117.03	121.00
3	12-M	555	TYR	CB-CG-CD2	-6.62	117.03	121.00
3	13-M	555	TYR	CB-CG-CD2	-6.62	117.03	121.00
3	14-M	555	TYR	CB-CG-CD2	-6.62	117.03	121.00
3	2-M	756	THR	N-CA-CB	-6.61	97.74	110.30
3	1-M	450	ASP	CB-CG-OD2	6.61	124.25	118.30
3	2-M	450	ASP	CB-CG-OD2	6.61	124.25	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	450	ASP	CB-CG-OD2	6.61	124.25	118.30
3	7-M	450	ASP	CB-CG-OD2	6.61	124.25	118.30
3	8-M	450	ASP	CB-CG-OD2	6.61	124.25	118.30
3	1-M	756	THR	N-CA-CB	-6.61	97.74	110.30
3	10-M	756	THR	N-CA-CB	-6.61	97.74	110.30
3	13-M	756	THR	N-CA-CB	-6.61	97.74	110.30
3	8-M	756	THR	N-CA-CB	-6.61	97.75	110.30
3	11-M	756	THR	N-CA-CB	-6.60	97.76	110.30
3	6-M	756	THR	N-CA-CB	-6.60	97.76	110.30
3	10-M	334	THR	CA-CB-CG2	-6.60	103.16	112.40
3	11-M	334	THR	CA-CB-CG2	-6.60	103.16	112.40
3	12-M	334	THR	CA-CB-CG2	-6.60	103.16	112.40
3	13-M	334	THR	CA-CB-CG2	-6.60	103.16	112.40
3	14-M	334	THR	CA-CB-CG2	-6.60	103.16	112.40
3	4-M	756	THR	N-CA-CB	-6.60	97.76	110.30
3	3-M	781	ASP	CB-CG-OD1	-6.59	112.37	118.30
3	7-M	756	THR	N-CA-CB	-6.59	97.78	110.30
3	8-M	781	ASP	CB-CG-OD1	-6.59	112.37	118.30
3	14-M	756	THR	N-CA-CB	-6.59	97.78	110.30
3	4-M	781	ASP	CB-CG-OD1	-6.59	112.37	118.30
3	5-M	756	THR	N-CA-CB	-6.59	97.79	110.30
3	1-M	75	ASP	CB-CG-OD2	6.58	124.22	118.30
3	2-M	75	ASP	CB-CG-OD2	6.58	124.22	118.30
3	3-M	756	THR	N-CA-CB	-6.58	97.79	110.30
3	4-M	75	ASP	CB-CG-OD2	6.58	124.22	118.30
3	7-M	75	ASP	CB-CG-OD2	6.58	124.22	118.30
3	8-M	75	ASP	CB-CG-OD2	6.58	124.22	118.30
3	12-M	756	THR	N-CA-CB	-6.58	97.80	110.30
3	5-M	739	ASP	CB-CG-OD1	-6.58	112.38	118.30
3	9-M	756	THR	N-CA-CB	-6.58	97.80	110.30
3	1-M	590	TYR	CB-CG-CD2	6.57	124.94	121.00
3	2-M	590	TYR	CB-CG-CD2	6.57	124.94	121.00
3	3-M	589	ASP	CB-CG-OD1	-6.57	112.38	118.30
3	4-M	590	TYR	CB-CG-CD2	6.57	124.94	121.00
3	5-M	589	ASP	CB-CG-OD1	-6.57	112.38	118.30
3	6-M	589	ASP	CB-CG-OD1	-6.57	112.38	118.30
3	7-M	590	TYR	CB-CG-CD2	6.57	124.94	121.00
3	8-M	590	TYR	CB-CG-CD2	6.57	124.94	121.00
3	9-M	589	ASP	CB-CG-OD1	-6.57	112.38	118.30
1	3-B	150	TYR	CB-CG-CD1	-6.57	117.06	121.00
1	2-B	150	TYR	CB-CG-CD1	-6.57	117.06	121.00
3	11-M	739	ASP	CB-CG-OD1	-6.57	112.39	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-M	589	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	2-M	589	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	3-M	739	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	4-M	589	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	7-M	589	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	8-M	589	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	1-M	781	ASP	CB-CG-OD1	-6.56	112.39	118.30
3	1-M	334	THR	CA-CB-CG2	-6.55	103.22	112.40
3	2-M	334	THR	CA-CB-CG2	-6.55	103.22	112.40
3	4-M	334	THR	CA-CB-CG2	-6.55	103.22	112.40
3	7-M	334	THR	CA-CB-CG2	-6.55	103.22	112.40
3	8-M	334	THR	CA-CB-CG2	-6.55	103.22	112.40
3	14-M	739	ASP	CB-CG-OD1	-6.55	112.40	118.30
3	2-M	781	ASP	CB-CG-OD1	-6.55	112.41	118.30
3	10-M	169	ASP	CB-CG-OD1	-6.54	112.41	118.30
3	11-M	169	ASP	CB-CG-OD1	-6.54	112.41	118.30
3	12-M	169	ASP	CB-CG-OD1	-6.54	112.41	118.30
3	13-M	169	ASP	CB-CG-OD1	-6.54	112.41	118.30
3	14-M	169	ASP	CB-CG-OD1	-6.54	112.41	118.30
3	7-M	781	ASP	CB-CG-OD1	-6.54	112.41	118.30
3	10-M	75	ASP	CB-CG-OD2	6.54	124.18	118.30
3	11-M	75	ASP	CB-CG-OD2	6.54	124.18	118.30
3	12-M	75	ASP	CB-CG-OD2	6.54	124.18	118.30
3	13-M	75	ASP	CB-CG-OD2	6.54	124.18	118.30
3	14-M	75	ASP	CB-CG-OD2	6.54	124.18	118.30
1	7-B	150	TYR	CB-CG-CD1	-6.54	117.08	121.00
3	3-M	334	THR	CA-CB-CG2	-6.53	103.25	112.40
3	5-M	334	THR	CA-CB-CG2	-6.53	103.25	112.40
3	6-M	334	THR	CA-CB-CG2	-6.53	103.25	112.40
3	9-M	334	THR	CA-CB-CG2	-6.53	103.25	112.40
3	10-M	739	ASP	CB-CG-OD1	-6.53	112.42	118.30
3	13-M	739	ASP	CB-CG-OD1	-6.53	112.42	118.30
1	4-B	150	TYR	CB-CG-CD1	-6.53	117.08	121.00
3	10-M	589	ASP	CB-CG-OD1	-6.53	112.42	118.30
3	11-M	589	ASP	CB-CG-OD1	-6.53	112.42	118.30
3	12-M	589	ASP	CB-CG-OD1	-6.53	112.42	118.30
3	12-M	739	ASP	CB-CG-OD1	-6.53	112.43	118.30
3	13-M	589	ASP	CB-CG-OD1	-6.53	112.42	118.30
3	14-M	589	ASP	CB-CG-OD1	-6.53	112.42	118.30
3	3-M	75	ASP	CB-CG-OD2	6.52	124.17	118.30
3	5-M	75	ASP	CB-CG-OD2	6.52	124.17	118.30
3	6-M	75	ASP	CB-CG-OD2	6.52	124.17	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-M	75	ASP	CB-CG-OD2	6.52	124.17	118.30
1	8-B	150	TYR	CB-CG-CD1	-6.52	117.09	121.00
1	12-B	150	TYR	CB-CG-CD1	-6.52	117.09	121.00
1	1-B	150	TYR	CB-CG-CD1	-6.51	117.09	121.00
1	5-B	150	TYR	CB-CG-CD1	-6.51	117.09	121.00
3	1-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	2-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	4-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	7-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	8-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	1-M	141	LEU	CB-CA-C	-6.51	97.84	110.20
3	2-M	141	LEU	CB-CA-C	-6.51	97.84	110.20
3	3-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	4-M	141	LEU	CB-CA-C	-6.51	97.84	110.20
3	5-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	6-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
3	7-M	141	LEU	CB-CA-C	-6.51	97.84	110.20
3	8-M	141	LEU	CB-CA-C	-6.51	97.84	110.20
3	9-M	169	ASP	CB-CG-OD1	-6.51	112.44	118.30
1	9-B	150	TYR	CB-CG-CD1	-6.50	117.10	121.00
3	3-M	590	TYR	CB-CG-CD2	6.50	124.90	121.00
3	5-M	590	TYR	CB-CG-CD2	6.50	124.90	121.00
3	6-M	590	TYR	CB-CG-CD2	6.50	124.90	121.00
3	9-M	590	TYR	CB-CG-CD2	6.50	124.90	121.00
3	9-M	739	ASP	CB-CG-OD1	-6.50	112.45	118.30
1	11-B	150	TYR	CB-CG-CD1	-6.50	117.10	121.00
3	1-M	332	MET	CG-SD-CE	-6.49	89.81	100.20
3	2-M	332	MET	CG-SD-CE	-6.49	89.81	100.20
3	4-M	332	MET	CG-SD-CE	-6.49	89.81	100.20
3	7-M	332	MET	CG-SD-CE	-6.49	89.81	100.20
3	8-M	332	MET	CG-SD-CE	-6.49	89.81	100.20
3	1-M	739	ASP	CB-CG-OD1	-6.49	112.46	118.30
1	6-B	150	TYR	CB-CG-CD1	-6.49	117.11	121.00
3	6-M	739	ASP	CB-CG-OD1	-6.49	112.46	118.30
3	10-M	141	LEU	CB-CA-C	-6.48	97.88	110.20
3	11-M	141	LEU	CB-CA-C	-6.48	97.88	110.20
3	12-M	141	LEU	CB-CA-C	-6.48	97.88	110.20
3	13-M	141	LEU	CB-CA-C	-6.48	97.88	110.20
3	14-M	141	LEU	CB-CA-C	-6.48	97.88	110.20
3	10-M	332	MET	CG-SD-CE	-6.48	89.83	100.20
3	11-M	332	MET	CG-SD-CE	-6.48	89.83	100.20
3	12-M	332	MET	CG-SD-CE	-6.48	89.83	100.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	13-M	332	MET	CG-SD-CE	-6.48	89.83	100.20
3	14-M	332	MET	CG-SD-CE	-6.48	89.83	100.20
3	3-M	332	MET	CG-SD-CE	-6.48	89.84	100.20
3	5-M	332	MET	CG-SD-CE	-6.48	89.84	100.20
3	6-M	332	MET	CG-SD-CE	-6.48	89.84	100.20
3	9-M	332	MET	CG-SD-CE	-6.48	89.84	100.20
3	3-M	141	LEU	CB-CA-C	-6.47	97.91	110.20
3	5-M	141	LEU	CB-CA-C	-6.47	97.91	110.20
3	6-M	141	LEU	CB-CA-C	-6.47	97.91	110.20
3	9-M	141	LEU	CB-CA-C	-6.47	97.91	110.20
3	7-M	739	ASP	CB-CG-OD1	-6.46	112.49	118.30
3	2-M	739	ASP	CB-CG-OD1	-6.45	112.49	118.30
3	8-M	739	ASP	CB-CG-OD1	-6.45	112.49	118.30
3	4-M	739	ASP	CB-CG-OD1	-6.44	112.51	118.30
1	10-B	150	TYR	CB-CG-CD1	-6.44	117.14	121.00
1	13-B	150	TYR	CB-CG-CD1	-6.44	117.14	121.00
3	10-M	590	TYR	CB-CG-CD2	6.40	124.84	121.00
3	11-M	590	TYR	CB-CG-CD2	6.40	124.84	121.00
3	12-M	590	TYR	CB-CG-CD2	6.40	124.84	121.00
3	13-M	590	TYR	CB-CG-CD2	6.40	124.84	121.00
3	14-M	590	TYR	CB-CG-CD2	6.40	124.84	121.00
1	14-B	150	TYR	CB-CG-CD1	-6.38	117.17	121.00
3	3-M	129	TYR	CB-CG-CD2	-6.37	117.18	121.00
3	5-M	129	TYR	CB-CG-CD2	-6.37	117.18	121.00
3	6-M	129	TYR	CB-CG-CD2	-6.37	117.18	121.00
3	9-M	129	TYR	CB-CG-CD2	-6.37	117.18	121.00
3	3-M	341	LEU	CB-CA-C	6.36	122.29	110.20
3	5-M	341	LEU	CB-CA-C	6.36	122.29	110.20
3	6-M	341	LEU	CB-CA-C	6.36	122.29	110.20
3	9-M	341	LEU	CB-CA-C	6.36	122.29	110.20
3	1-M	341	LEU	CB-CA-C	6.35	122.26	110.20
3	2-M	341	LEU	CB-CA-C	6.35	122.26	110.20
3	4-M	341	LEU	CB-CA-C	6.35	122.26	110.20
3	7-M	341	LEU	CB-CA-C	6.35	122.26	110.20
3	8-M	341	LEU	CB-CA-C	6.35	122.26	110.20
3	10-M	129	TYR	CB-CG-CD2	-6.34	117.19	121.00
3	11-M	129	TYR	CB-CG-CD2	-6.34	117.19	121.00
3	12-M	129	TYR	CB-CG-CD2	-6.34	117.19	121.00
3	13-M	129	TYR	CB-CG-CD2	-6.34	117.19	121.00
3	14-M	129	TYR	CB-CG-CD2	-6.34	117.19	121.00
3	10-M	341	LEU	CB-CA-C	6.33	122.24	110.20
3	11-M	341	LEU	CB-CA-C	6.33	122.24	110.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	341	LEU	CB-CA-C	6.33	122.24	110.20
3	13-M	341	LEU	CB-CA-C	6.33	122.24	110.20
3	14-M	341	LEU	CB-CA-C	6.33	122.24	110.20
3	1-M	129	TYR	CB-CG-CD2	-6.33	117.20	121.00
3	2-M	129	TYR	CB-CG-CD2	-6.33	117.20	121.00
3	4-M	129	TYR	CB-CG-CD2	-6.33	117.20	121.00
3	7-M	129	TYR	CB-CG-CD2	-6.33	117.20	121.00
3	8-M	129	TYR	CB-CG-CD2	-6.33	117.20	121.00
3	12-M	810	ARG	NE-CZ-NH1	6.28	123.44	120.30
3	3-M	327	ASP	CB-CG-OD2	6.25	123.93	118.30
3	5-M	327	ASP	CB-CG-OD2	6.25	123.93	118.30
3	6-M	327	ASP	CB-CG-OD2	6.25	123.93	118.30
3	9-M	327	ASP	CB-CG-OD2	6.25	123.93	118.30
3	10-M	810	ARG	NE-CZ-NH1	6.23	123.42	120.30
3	13-M	810	ARG	NE-CZ-NH1	6.23	123.42	120.30
3	1-M	327	ASP	CB-CG-OD2	6.22	123.90	118.30
3	2-M	327	ASP	CB-CG-OD2	6.22	123.90	118.30
3	4-M	327	ASP	CB-CG-OD2	6.22	123.90	118.30
3	7-M	327	ASP	CB-CG-OD2	6.22	123.90	118.30
3	8-M	327	ASP	CB-CG-OD2	6.22	123.90	118.30
3	11-M	810	ARG	NE-CZ-NH1	6.21	123.41	120.30
3	5-M	754	ASP	CB-CG-OD2	-6.21	112.71	118.30
3	10-M	327	ASP	CB-CG-OD2	6.20	123.88	118.30
3	11-M	327	ASP	CB-CG-OD2	6.20	123.88	118.30
3	12-M	327	ASP	CB-CG-OD2	6.20	123.88	118.30
3	13-M	327	ASP	CB-CG-OD2	6.20	123.88	118.30
3	14-M	327	ASP	CB-CG-OD2	6.20	123.88	118.30
3	9-M	754	ASP	CB-CG-OD2	-6.19	112.73	118.30
3	14-M	810	ARG	NE-CZ-NH1	6.19	123.40	120.30
3	6-M	810	ARG	NE-CZ-NH1	6.19	123.39	120.30
3	3-M	810	ARG	NE-CZ-NH1	6.18	123.39	120.30
3	3-M	754	ASP	CB-CG-OD2	-6.17	112.75	118.30
3	10-M	698	ASN	CB-CA-C	-6.15	98.10	110.40
3	11-M	698	ASN	CB-CA-C	-6.15	98.10	110.40
3	12-M	698	ASN	CB-CA-C	-6.15	98.10	110.40
3	13-M	698	ASN	CB-CA-C	-6.15	98.10	110.40
3	14-M	698	ASN	CB-CA-C	-6.15	98.10	110.40
3	6-M	754	ASP	CB-CG-OD2	-6.15	112.77	118.30
3	1-M	810	ARG	NE-CZ-NH1	6.15	123.37	120.30
3	1-M	698	ASN	CB-CA-C	-6.14	98.12	110.40
3	1-M	809	ARG	NE-CZ-NH2	-6.14	117.23	120.30
3	2-M	698	ASN	CB-CA-C	-6.14	98.12	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3-M	698	ASN	CB-CA-C	-6.14	98.11	110.40
3	4-M	698	ASN	CB-CA-C	-6.14	98.12	110.40
3	5-M	698	ASN	CB-CA-C	-6.14	98.11	110.40
3	6-M	698	ASN	CB-CA-C	-6.14	98.11	110.40
3	7-M	698	ASN	CB-CA-C	-6.14	98.12	110.40
3	8-M	698	ASN	CB-CA-C	-6.14	98.12	110.40
3	9-M	698	ASN	CB-CA-C	-6.14	98.11	110.40
3	5-M	810	ARG	NE-CZ-NH1	6.14	123.37	120.30
3	10-M	450	ASP	CB-CG-OD1	-6.13	112.78	118.30
3	11-M	450	ASP	CB-CG-OD1	-6.13	112.78	118.30
3	12-M	450	ASP	CB-CG-OD1	-6.13	112.78	118.30
3	13-M	450	ASP	CB-CG-OD1	-6.13	112.78	118.30
3	14-M	450	ASP	CB-CG-OD1	-6.13	112.78	118.30
3	10-M	463	ASP	CB-CG-OD2	-6.13	112.78	118.30
3	11-M	463	ASP	CB-CG-OD2	-6.13	112.78	118.30
3	12-M	463	ASP	CB-CG-OD2	-6.13	112.78	118.30
3	13-M	463	ASP	CB-CG-OD2	-6.13	112.78	118.30
3	14-M	463	ASP	CB-CG-OD2	-6.13	112.78	118.30
3	3-M	450	ASP	CB-CG-OD1	-6.13	112.79	118.30
3	5-M	450	ASP	CB-CG-OD1	-6.13	112.79	118.30
3	6-M	450	ASP	CB-CG-OD1	-6.13	112.79	118.30
3	9-M	450	ASP	CB-CG-OD1	-6.13	112.79	118.30
3	10-M	809	ARG	NE-CZ-NH2	-6.12	117.24	120.30
3	13-M	809	ARG	NE-CZ-NH2	-6.12	117.24	120.30
3	1-M	463	ASP	CB-CG-OD2	-6.11	112.80	118.30
3	2-M	463	ASP	CB-CG-OD2	-6.11	112.80	118.30
3	4-M	463	ASP	CB-CG-OD2	-6.11	112.80	118.30
3	7-M	463	ASP	CB-CG-OD2	-6.11	112.80	118.30
3	8-M	463	ASP	CB-CG-OD2	-6.11	112.80	118.30
3	2-M	760	PHE	CB-CG-CD2	-6.11	116.52	120.80
3	14-M	809	ARG	NE-CZ-NH2	-6.11	117.25	120.30
3	3-M	463	ASP	CB-CG-OD2	-6.11	112.81	118.30
3	5-M	463	ASP	CB-CG-OD2	-6.11	112.81	118.30
3	6-M	463	ASP	CB-CG-OD2	-6.11	112.81	118.30
3	9-M	463	ASP	CB-CG-OD2	-6.11	112.81	118.30
3	1-M	450	ASP	CB-CG-OD1	-6.10	112.81	118.30
3	2-M	450	ASP	CB-CG-OD1	-6.10	112.81	118.30
3	4-M	450	ASP	CB-CG-OD1	-6.10	112.81	118.30
3	7-M	450	ASP	CB-CG-OD1	-6.10	112.81	118.30
2	8-C	6	GLU	N-CA-C	6.10	127.48	111.00
3	8-M	450	ASP	CB-CG-OD1	-6.10	112.81	118.30
2	3-C	6	GLU	N-CA-C	6.10	127.47	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	779	ARG	NE-CZ-NH1	6.10	123.35	120.30
3	9-M	810	ARG	NE-CZ-NH1	6.10	123.35	120.30
2	6-C	6	GLU	N-CA-C	6.10	127.47	111.00
2	7-C	6	GLU	N-CA-C	6.09	127.45	111.00
3	11-M	809	ARG	NE-CZ-NH2	-6.09	117.25	120.30
3	3-M	447	GLN	N-CA-CB	6.09	121.57	110.60
3	5-M	447	GLN	N-CA-CB	6.09	121.57	110.60
3	6-M	447	GLN	N-CA-CB	6.09	121.57	110.60
3	9-M	447	GLN	N-CA-CB	6.09	121.57	110.60
2	1-C	6	GLU	N-CA-C	6.09	127.45	111.00
2	2-C	6	GLU	N-CA-C	6.09	127.44	111.00
2	4-C	6	GLU	N-CA-C	6.09	127.45	111.00
3	2-M	810	ARG	NE-CZ-NH1	6.09	123.34	120.30
2	12-C	6	GLU	N-CA-C	6.09	127.44	111.00
2	5-C	6	GLU	N-CA-C	6.09	127.44	111.00
1	10-B	137	TRP	CB-CG-CD1	-6.08	119.09	127.00
1	13-B	137	TRP	CB-CG-CD1	-6.08	119.09	127.00
1	12-B	137	TRP	CB-CG-CD1	-6.08	119.10	127.00
1	14-B	137	TRP	CB-CG-CD1	-6.08	119.10	127.00
3	12-M	809	ARG	NE-CZ-NH2	-6.08	117.26	120.30
2	9-C	6	GLU	N-CA-C	6.08	127.40	111.00
2	14-C	6	GLU	N-CA-C	6.08	127.40	111.00
3	1-M	104	TYR	CB-CG-CD1	-6.07	117.36	121.00
3	2-M	104	TYR	CB-CG-CD1	-6.07	117.36	121.00
3	4-M	104	TYR	CB-CG-CD1	-6.07	117.36	121.00
3	7-M	104	TYR	CB-CG-CD1	-6.07	117.36	121.00
3	8-M	104	TYR	CB-CG-CD1	-6.07	117.36	121.00
3	3-M	378	ASP	CB-CG-OD1	-6.07	112.83	118.30
3	4-M	809	ARG	NE-CZ-NH2	-6.07	117.26	120.30
3	5-M	378	ASP	CB-CG-OD1	-6.07	112.83	118.30
3	6-M	378	ASP	CB-CG-OD1	-6.07	112.83	118.30
3	9-M	378	ASP	CB-CG-OD1	-6.07	112.83	118.30
2	11-C	6	GLU	N-CA-C	6.07	127.39	111.00
3	6-M	780	ASP	CB-CG-OD2	6.07	123.76	118.30
3	7-M	754	ASP	CB-CG-OD2	-6.07	112.84	118.30
2	10-C	6	GLU	N-CA-C	6.07	127.39	111.00
2	13-C	6	GLU	N-CA-C	6.07	127.39	111.00
3	1-M	447	GLN	N-CA-CB	6.07	121.52	110.60
3	2-M	447	GLN	N-CA-CB	6.07	121.52	110.60
3	4-M	447	GLN	N-CA-CB	6.07	121.52	110.60
3	7-M	447	GLN	N-CA-CB	6.07	121.52	110.60
3	8-M	447	GLN	N-CA-CB	6.07	121.52	110.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	4-M	754	ASP	CB-CG-OD2	-6.07	112.84	118.30
3	14-M	723	ARG	NE-CZ-NH1	6.07	123.33	120.30
3	1-M	754	ASP	CB-CG-OD2	-6.06	112.84	118.30
3	2-M	752	ASP	CB-CG-OD2	6.06	123.75	118.30
3	9-M	780	ASP	CB-CG-OD2	6.06	123.75	118.30
1	5-B	137	TRP	CB-CG-CD1	-6.06	119.12	127.00
1	1-B	137	TRP	CB-CG-CD1	-6.06	119.13	127.00
3	8-M	810	ARG	NE-CZ-NH1	6.06	123.33	120.30
1	2-B	137	TRP	CB-CG-CD1	-6.05	119.13	127.00
3	10-M	723	ARG	NE-CZ-NH1	6.05	123.33	120.30
3	13-M	723	ARG	NE-CZ-NH1	6.05	123.33	120.30
1	11-B	137	TRP	CB-CG-CD1	-6.05	119.13	127.00
3	8-M	809	ARG	NE-CZ-NH2	-6.05	117.27	120.30
1	9-B	137	TRP	CB-CG-CD1	-6.05	119.13	127.00
3	10-M	447	GLN	N-CA-CB	6.05	121.49	110.60
3	11-M	447	GLN	N-CA-CB	6.05	121.49	110.60
3	12-M	447	GLN	N-CA-CB	6.05	121.49	110.60
3	13-M	447	GLN	N-CA-CB	6.05	121.49	110.60
3	14-M	447	GLN	N-CA-CB	6.05	121.49	110.60
3	3-M	104	TYR	CB-CG-CD1	-6.05	117.37	121.00
3	5-M	104	TYR	CB-CG-CD1	-6.05	117.37	121.00
3	6-M	104	TYR	CB-CG-CD1	-6.05	117.37	121.00
3	7-M	810	ARG	NE-CZ-NH1	6.05	123.33	120.30
3	9-M	104	TYR	CB-CG-CD1	-6.05	117.37	121.00
3	9-M	760	PHE	CB-CG-CD2	-6.04	116.57	120.80
3	8-M	754	ASP	CB-CG-OD2	-6.04	112.86	118.30
3	1-M	682	THR	CA-CB-CG2	-6.04	103.94	112.40
3	2-M	682	THR	CA-CB-CG2	-6.04	103.94	112.40
3	4-M	682	THR	CA-CB-CG2	-6.04	103.94	112.40
3	4-M	752	ASP	CB-CG-OD2	6.04	123.74	118.30
3	5-M	752	ASP	CB-CG-OD2	6.04	123.74	118.30
3	7-M	682	THR	CA-CB-CG2	-6.04	103.94	112.40
3	8-M	682	THR	CA-CB-CG2	-6.04	103.94	112.40
3	5-M	760	PHE	CB-CG-CD2	-6.04	116.57	120.80
1	4-B	137	TRP	CB-CG-CD1	-6.04	119.15	127.00
3	1-M	192	VAL	CA-CB-CG1	-6.03	101.85	110.90
3	2-M	192	VAL	CA-CB-CG1	-6.03	101.85	110.90
3	4-M	192	VAL	CA-CB-CG1	-6.03	101.85	110.90
3	7-M	192	VAL	CA-CB-CG1	-6.03	101.85	110.90
3	8-M	192	VAL	CA-CB-CG1	-6.03	101.85	110.90
3	5-M	780	ASP	CB-CG-OD2	6.03	123.73	118.30
3	7-M	760	PHE	CB-CG-CD2	-6.03	116.58	120.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	556	ASP	CB-CG-OD1	-6.03	112.87	118.30
3	11-M	556	ASP	CB-CG-OD1	-6.03	112.87	118.30
3	12-M	556	ASP	CB-CG-OD1	-6.03	112.87	118.30
3	13-M	556	ASP	CB-CG-OD1	-6.03	112.87	118.30
3	14-M	556	ASP	CB-CG-OD1	-6.03	112.87	118.30
3	2-M	809	ARG	NE-CZ-NH2	-6.03	117.29	120.30
1	8-B	137	TRP	CB-CG-CD1	-6.02	119.17	127.00
3	10-M	339	ASP	CB-CG-OD2	6.02	123.72	118.30
3	10-M	682	THR	CA-CB-CG2	-6.02	103.97	112.40
3	11-M	339	ASP	CB-CG-OD2	6.02	123.72	118.30
3	11-M	682	THR	CA-CB-CG2	-6.02	103.97	112.40
3	12-M	339	ASP	CB-CG-OD2	6.02	123.72	118.30
3	12-M	682	THR	CA-CB-CG2	-6.02	103.97	112.40
3	13-M	339	ASP	CB-CG-OD2	6.02	123.72	118.30
3	13-M	682	THR	CA-CB-CG2	-6.02	103.97	112.40
3	14-M	339	ASP	CB-CG-OD2	6.02	123.72	118.30
3	14-M	682	THR	CA-CB-CG2	-6.02	103.97	112.40
3	4-M	760	PHE	CB-CG-CD2	-6.02	116.59	120.80
3	6-M	752	ASP	CB-CG-OD2	6.02	123.72	118.30
3	6-M	760	PHE	CB-CG-CD2	-6.02	116.59	120.80
3	2-M	754	ASP	CB-CG-OD2	-6.02	112.88	118.30
3	8-M	760	PHE	CB-CG-CD2	-6.02	116.59	120.80
1	7-B	137	TRP	CB-CG-CD1	-6.01	119.18	127.00
3	1-M	760	PHE	CB-CG-CD2	-6.01	116.59	120.80
3	10-M	378	ASP	CB-CG-OD1	-6.01	112.89	118.30
3	11-M	378	ASP	CB-CG-OD1	-6.01	112.89	118.30
3	12-M	378	ASP	CB-CG-OD1	-6.01	112.89	118.30
3	13-M	378	ASP	CB-CG-OD1	-6.01	112.89	118.30
3	14-M	378	ASP	CB-CG-OD1	-6.01	112.89	118.30
3	3-M	682	THR	CA-CB-CG2	-6.01	103.99	112.40
3	5-M	682	THR	CA-CB-CG2	-6.01	103.99	112.40
3	6-M	682	THR	CA-CB-CG2	-6.01	103.99	112.40
3	9-M	682	THR	CA-CB-CG2	-6.01	103.99	112.40
3	12-M	723	ARG	NE-CZ-NH1	6.01	123.30	120.30
3	4-M	810	ARG	NE-CZ-NH1	6.01	123.30	120.30
1	3-B	137	TRP	CB-CG-CD1	-6.00	119.19	127.00
1	6-B	137	TRP	CB-CG-CD1	-6.00	119.19	127.00
3	7-M	752	ASP	CB-CG-OD2	6.00	123.70	118.30
3	10-M	760	PHE	CB-CG-CD2	-6.00	116.60	120.80
3	13-M	760	PHE	CB-CG-CD2	-6.00	116.60	120.80
3	14-M	754	ASP	CB-CG-OD2	-6.00	112.90	118.30
3	8-M	752	ASP	CB-CG-OD2	6.00	123.70	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	760	PHE	CB-CG-CD2	-6.00	116.60	120.80
3	3-M	760	PHE	CB-CG-CD2	-6.00	116.60	120.80
3	1-M	378	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	1-M	752	ASP	CB-CG-OD2	5.99	123.69	118.30
3	2-M	378	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	4-M	378	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	7-M	378	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	8-M	378	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	1-M	346	ASP	CB-CG-OD1	5.99	123.69	118.30
3	2-M	346	ASP	CB-CG-OD1	5.99	123.69	118.30
3	3-M	780	ASP	CB-CG-OD2	5.99	123.69	118.30
3	4-M	346	ASP	CB-CG-OD1	5.99	123.69	118.30
3	7-M	346	ASP	CB-CG-OD1	5.99	123.69	118.30
3	8-M	346	ASP	CB-CG-OD1	5.99	123.69	118.30
3	9-M	779	ARG	NE-CZ-NH1	5.99	123.30	120.30
3	3-M	339	ASP	CB-CG-OD2	5.99	123.69	118.30
3	5-M	339	ASP	CB-CG-OD2	5.99	123.69	118.30
3	6-M	339	ASP	CB-CG-OD2	5.99	123.69	118.30
3	9-M	339	ASP	CB-CG-OD2	5.99	123.69	118.30
3	10-M	192	VAL	CA-CB-CG1	-5.99	101.92	110.90
3	11-M	192	VAL	CA-CB-CG1	-5.99	101.92	110.90
3	12-M	192	VAL	CA-CB-CG1	-5.99	101.92	110.90
3	13-M	192	VAL	CA-CB-CG1	-5.99	101.92	110.90
3	14-M	192	VAL	CA-CB-CG1	-5.99	101.92	110.90
3	3-M	556	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	5-M	556	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	6-M	556	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	9-M	556	ASP	CB-CG-OD1	-5.99	112.91	118.30
3	3-M	752	ASP	CB-CG-OD2	5.98	123.69	118.30
3	7-M	809	ARG	NE-CZ-NH2	-5.98	117.31	120.30
3	10-M	780	ASP	CB-CG-OD2	5.98	123.68	118.30
3	13-M	780	ASP	CB-CG-OD2	5.98	123.68	118.30
3	3-M	779	ARG	NE-CZ-NH1	5.97	123.29	120.30
3	10-M	104	TYR	CB-CG-CD1	-5.97	117.42	121.00
3	11-M	104	TYR	CB-CG-CD1	-5.97	117.42	121.00
3	12-M	104	TYR	CB-CG-CD1	-5.97	117.42	121.00
3	13-M	104	TYR	CB-CG-CD1	-5.97	117.42	121.00
3	14-M	104	TYR	CB-CG-CD1	-5.97	117.42	121.00
3	1-M	339	ASP	CB-CG-OD2	5.97	123.67	118.30
3	2-M	339	ASP	CB-CG-OD2	5.97	123.67	118.30
3	4-M	339	ASP	CB-CG-OD2	5.97	123.67	118.30
3	7-M	339	ASP	CB-CG-OD2	5.97	123.67	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	8-M	339	ASP	CB-CG-OD2	5.97	123.67	118.30
3	10-M	754	ASP	CB-CG-OD2	-5.97	112.93	118.30
3	13-M	754	ASP	CB-CG-OD2	-5.97	112.93	118.30
3	14-M	760	PHE	CB-CG-CD2	-5.97	116.62	120.80
3	3-M	192	VAL	CA-CB-CG1	-5.97	101.95	110.90
3	3-M	346	ASP	CB-CG-OD1	5.97	123.67	118.30
3	5-M	192	VAL	CA-CB-CG1	-5.97	101.95	110.90
3	5-M	346	ASP	CB-CG-OD1	5.97	123.67	118.30
3	5-M	779	ARG	NE-CZ-NH1	5.97	123.28	120.30
3	6-M	192	VAL	CA-CB-CG1	-5.97	101.95	110.90
3	6-M	346	ASP	CB-CG-OD1	5.97	123.67	118.30
3	9-M	192	VAL	CA-CB-CG1	-5.97	101.95	110.90
3	9-M	346	ASP	CB-CG-OD1	5.97	123.67	118.30
3	11-M	754	ASP	CB-CG-OD2	-5.96	112.93	118.30
3	3-M	723	ARG	NE-CZ-NH1	5.96	123.28	120.30
3	10-M	779	ARG	NE-CZ-NH1	5.96	123.28	120.30
3	13-M	779	ARG	NE-CZ-NH1	5.96	123.28	120.30
3	14-M	779	ARG	NE-CZ-NH1	5.95	123.28	120.30
3	9-M	752	ASP	CB-CG-OD2	5.94	123.65	118.30
3	9-M	723	ARG	NE-CZ-NH1	5.94	123.27	120.30
3	10-M	346	ASP	CB-CG-OD1	5.93	123.64	118.30
3	11-M	346	ASP	CB-CG-OD1	5.93	123.64	118.30
3	12-M	346	ASP	CB-CG-OD1	5.93	123.64	118.30
3	13-M	346	ASP	CB-CG-OD1	5.93	123.64	118.30
3	14-M	346	ASP	CB-CG-OD1	5.93	123.64	118.30
3	1-M	471	ASP	CB-CG-OD1	-5.93	112.96	118.30
3	2-M	471	ASP	CB-CG-OD1	-5.93	112.96	118.30
3	4-M	471	ASP	CB-CG-OD1	-5.93	112.96	118.30
3	4-M	779	ARG	NE-CZ-NH1	5.93	123.27	120.30
3	7-M	471	ASP	CB-CG-OD1	-5.93	112.96	118.30
3	8-M	471	ASP	CB-CG-OD1	-5.93	112.96	118.30
3	8-M	780	ASP	CB-CG-OD2	5.93	123.64	118.30
3	1-M	780	ASP	CB-CG-OD2	5.93	123.63	118.30
3	11-M	752	ASP	CB-CG-OD2	5.93	123.63	118.30
3	11-M	760	PHE	CB-CG-CD2	-5.92	116.65	120.80
3	1-M	556	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	2-M	556	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	2-M	780	ASP	CB-CG-OD2	5.92	123.63	118.30
3	4-M	556	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	7-M	556	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	8-M	556	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	4-M	780	ASP	CB-CG-OD2	5.92	123.63	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	471	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	11-M	471	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	12-M	471	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	13-M	471	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	14-M	471	ASP	CB-CG-OD1	-5.92	112.97	118.30
3	5-M	723	ARG	NE-CZ-NH1	5.92	123.26	120.30
3	12-M	754	ASP	CB-CG-OD2	-5.91	112.98	118.30
3	11-M	723	ARG	NE-CZ-NH1	5.91	123.26	120.30
3	12-M	779	ARG	NE-CZ-NH1	5.91	123.26	120.30
3	2-M	779	ARG	NE-CZ-NH1	5.91	123.25	120.30
3	14-M	752	ASP	CB-CG-OD2	5.90	123.61	118.30
3	14-M	780	ASP	CB-CG-OD2	5.90	123.61	118.30
3	11-M	780	ASP	CB-CG-OD2	5.89	123.61	118.30
3	8-M	779	ARG	NE-CZ-NH1	5.88	123.24	120.30
3	7-M	780	ASP	CB-CG-OD2	5.88	123.59	118.30
3	7-M	779	ARG	NE-CZ-NH1	5.87	123.23	120.30
3	3-M	815	CYS	CA-CB-SG	-5.86	103.44	114.00
3	12-M	780	ASP	CB-CG-OD2	5.86	123.58	118.30
3	10-M	665	ARG	NE-CZ-NH2	-5.86	117.37	120.30
3	11-M	665	ARG	NE-CZ-NH2	-5.86	117.37	120.30
3	12-M	665	ARG	NE-CZ-NH2	-5.86	117.37	120.30
3	12-M	752	ASP	CB-CG-OD2	5.86	123.57	118.30
3	13-M	665	ARG	NE-CZ-NH2	-5.86	117.37	120.30
3	14-M	665	ARG	NE-CZ-NH2	-5.86	117.37	120.30
3	9-M	815	CYS	CA-CB-SG	-5.86	103.46	114.00
3	10-M	815	CYS	CA-CB-SG	-5.86	103.46	114.00
3	13-M	815	CYS	CA-CB-SG	-5.86	103.46	114.00
3	14-M	815	CYS	CA-CB-SG	-5.86	103.46	114.00
3	5-M	815	CYS	CA-CB-SG	-5.85	103.46	114.00
3	3-M	471	ASP	CB-CG-OD1	-5.85	113.03	118.30
3	5-M	471	ASP	CB-CG-OD1	-5.85	113.03	118.30
3	6-M	471	ASP	CB-CG-OD1	-5.85	113.03	118.30
3	6-M	815	CYS	CA-CB-SG	-5.85	103.47	114.00
3	9-M	471	ASP	CB-CG-OD1	-5.85	113.03	118.30
3	11-M	779	ARG	NE-CZ-NH1	5.85	123.23	120.30
3	10-M	752	ASP	CB-CG-OD2	5.85	123.56	118.30
3	13-M	752	ASP	CB-CG-OD2	5.85	123.56	118.30
3	4-M	815	CYS	CA-CB-SG	-5.84	103.48	114.00
3	1-M	4	ASP	CB-CG-OD2	5.84	123.56	118.30
3	2-M	4	ASP	CB-CG-OD2	5.84	123.56	118.30
3	4-M	4	ASP	CB-CG-OD2	5.84	123.56	118.30
3	7-M	4	ASP	CB-CG-OD2	5.84	123.56	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	8-M	4	ASP	CB-CG-OD2	5.84	123.56	118.30
3	1-M	779	ARG	NE-CZ-NH1	5.84	123.22	120.30
3	7-M	815	CYS	CA-CB-SG	-5.84	103.49	114.00
3	1-M	815	CYS	CA-CB-SG	-5.83	103.50	114.00
3	12-M	815	CYS	CA-CB-SG	-5.83	103.50	114.00
3	8-M	815	CYS	CA-CB-SG	-5.83	103.50	114.00
3	11-M	815	CYS	CA-CB-SG	-5.83	103.50	114.00
3	1-M	165	PHE	N-CA-CB	-5.83	100.11	110.60
3	2-M	165	PHE	N-CA-CB	-5.83	100.11	110.60
3	4-M	165	PHE	N-CA-CB	-5.83	100.11	110.60
3	7-M	165	PHE	N-CA-CB	-5.83	100.11	110.60
3	8-M	165	PHE	N-CA-CB	-5.83	100.11	110.60
3	3-M	220	ASP	CB-CG-OD2	5.83	123.54	118.30
3	5-M	220	ASP	CB-CG-OD2	5.83	123.54	118.30
3	6-M	220	ASP	CB-CG-OD2	5.83	123.54	118.30
3	9-M	220	ASP	CB-CG-OD2	5.83	123.54	118.30
3	6-M	809	ARG	NE-CZ-NH2	-5.82	117.39	120.30
3	2-M	815	CYS	CA-CB-SG	-5.82	103.53	114.00
1	9-B	148	VAL	CG1-CB-CG2	-5.82	101.59	110.90
1	3-B	148	VAL	CG1-CB-CG2	-5.82	101.60	110.90
3	1-M	665	ARG	NE-CZ-NH2	-5.81	117.39	120.30
3	2-M	665	ARG	NE-CZ-NH2	-5.81	117.39	120.30
3	4-M	665	ARG	NE-CZ-NH2	-5.81	117.39	120.30
3	7-M	665	ARG	NE-CZ-NH2	-5.81	117.39	120.30
3	8-M	665	ARG	NE-CZ-NH2	-5.81	117.39	120.30
3	10-M	4	ASP	CB-CG-OD2	5.81	123.53	118.30
3	11-M	4	ASP	CB-CG-OD2	5.81	123.53	118.30
3	12-M	4	ASP	CB-CG-OD2	5.81	123.53	118.30
3	13-M	4	ASP	CB-CG-OD2	5.81	123.53	118.30
3	14-M	4	ASP	CB-CG-OD2	5.81	123.53	118.30
3	3-M	165	PHE	N-CA-CB	-5.81	100.14	110.60
1	5-B	148	VAL	CG1-CB-CG2	-5.81	101.61	110.90
3	5-M	165	PHE	N-CA-CB	-5.81	100.14	110.60
3	6-M	165	PHE	N-CA-CB	-5.81	100.14	110.60
3	9-M	165	PHE	N-CA-CB	-5.81	100.14	110.60
1	14-B	148	VAL	CG1-CB-CG2	-5.81	101.61	110.90
1	11-B	148	VAL	CG1-CB-CG2	-5.80	101.62	110.90
3	6-M	723	ARG	NE-CZ-NH1	5.80	123.20	120.30
1	10-B	148	VAL	CG1-CB-CG2	-5.80	101.62	110.90
1	12-B	148	VAL	CG1-CB-CG2	-5.80	101.62	110.90
1	13-B	148	VAL	CG1-CB-CG2	-5.80	101.62	110.90
3	1-M	220	ASP	CB-CG-OD2	5.79	123.51	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	2-M	220	ASP	CB-CG-OD2	5.79	123.51	118.30
3	4-M	220	ASP	CB-CG-OD2	5.79	123.51	118.30
3	7-M	220	ASP	CB-CG-OD2	5.79	123.51	118.30
3	8-M	220	ASP	CB-CG-OD2	5.79	123.51	118.30
1	2-B	148	VAL	CG1-CB-CG2	-5.79	101.63	110.90
1	6-B	148	VAL	CG1-CB-CG2	-5.79	101.64	110.90
1	7-B	148	VAL	CG1-CB-CG2	-5.78	101.65	110.90
3	9-M	809	ARG	NE-CZ-NH2	-5.78	117.41	120.30
2	11-C	6	GLU	OE1-CD-OE2	-5.78	116.37	123.30
1	4-B	148	VAL	CG1-CB-CG2	-5.77	101.66	110.90
1	8-B	148	VAL	CG1-CB-CG2	-5.77	101.67	110.90
3	10-M	220	ASP	CB-CG-OD2	5.76	123.48	118.30
3	11-M	220	ASP	CB-CG-OD2	5.76	123.48	118.30
3	12-M	220	ASP	CB-CG-OD2	5.76	123.48	118.30
3	13-M	220	ASP	CB-CG-OD2	5.76	123.48	118.30
3	14-M	220	ASP	CB-CG-OD2	5.76	123.48	118.30
3	10-M	165	PHE	N-CA-CB	-5.75	100.25	110.60
3	11-M	165	PHE	N-CA-CB	-5.75	100.25	110.60
3	12-M	165	PHE	N-CA-CB	-5.75	100.25	110.60
3	13-M	165	PHE	N-CA-CB	-5.75	100.25	110.60
3	14-M	165	PHE	N-CA-CB	-5.75	100.25	110.60
1	1-B	148	VAL	CG1-CB-CG2	-5.75	101.70	110.90
3	5-M	809	ARG	NE-CZ-NH2	-5.75	117.42	120.30
2	10-C	6	GLU	OE1-CD-OE2	-5.75	116.40	123.30
2	13-C	6	GLU	OE1-CD-OE2	-5.75	116.40	123.30
3	3-M	665	ARG	NE-CZ-NH2	-5.75	117.43	120.30
3	5-M	665	ARG	NE-CZ-NH2	-5.75	117.43	120.30
3	6-M	665	ARG	NE-CZ-NH2	-5.75	117.43	120.30
3	9-M	665	ARG	NE-CZ-NH2	-5.75	117.43	120.30
3	6-M	780	ASP	CB-CG-OD1	-5.75	113.13	118.30
3	3-M	352	TYR	N-CA-CB	5.74	120.93	110.60
3	5-M	352	TYR	N-CA-CB	5.74	120.93	110.60
3	6-M	352	TYR	N-CA-CB	5.74	120.93	110.60
3	9-M	352	TYR	N-CA-CB	5.74	120.93	110.60
3	3-M	4	ASP	CB-CG-OD2	5.74	123.46	118.30
3	3-M	809	ARG	NE-CZ-NH2	-5.74	117.43	120.30
3	5-M	4	ASP	CB-CG-OD2	5.74	123.46	118.30
3	6-M	4	ASP	CB-CG-OD2	5.74	123.46	118.30
3	9-M	4	ASP	CB-CG-OD2	5.74	123.46	118.30
3	1-M	352	TYR	N-CA-CB	5.73	120.92	110.60
3	2-M	352	TYR	N-CA-CB	5.73	120.92	110.60
3	4-M	352	TYR	N-CA-CB	5.73	120.92	110.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7-M	352	TYR	N-CA-CB	5.73	120.92	110.60
3	8-M	352	TYR	N-CA-CB	5.73	120.92	110.60
2	12-C	6	GLU	OE1-CD-OE2	-5.73	116.42	123.30
2	1-C	49	ILE	CA-C-N	-5.73	104.60	117.20
2	3-C	6	GLU	OE1-CD-OE2	-5.73	116.43	123.30
2	4-C	49	ILE	CA-C-N	-5.72	104.62	117.20
2	5-C	6	GLU	OE1-CD-OE2	-5.72	116.44	123.30
2	6-C	6	GLU	OE1-CD-OE2	-5.72	116.44	123.30
2	1-C	6	GLU	OE1-CD-OE2	-5.72	116.44	123.30
2	8-C	49	ILE	CA-C-N	-5.71	104.64	117.20
2	2-C	49	ILE	CA-C-N	-5.71	104.64	117.20
2	7-C	6	GLU	OE1-CD-OE2	-5.70	116.45	123.30
3	6-M	781	ASP	CB-CG-OD2	5.70	123.43	118.30
2	7-C	49	ILE	CA-C-N	-5.70	104.66	117.20
2	8-C	6	GLU	OE1-CD-OE2	-5.70	116.46	123.30
1	10-B	137	TRP	CG-CD1-NE1	-5.70	104.40	110.10
1	13-B	137	TRP	CG-CD1-NE1	-5.70	104.40	110.10
2	14-C	6	GLU	OE1-CD-OE2	-5.70	116.46	123.30
3	10-M	352	TYR	N-CA-CB	5.70	120.85	110.60
3	11-M	352	TYR	N-CA-CB	5.70	120.85	110.60
3	12-M	352	TYR	N-CA-CB	5.70	120.85	110.60
3	13-M	352	TYR	N-CA-CB	5.70	120.85	110.60
3	14-M	352	TYR	N-CA-CB	5.70	120.85	110.60
3	9-M	780	ASP	CB-CG-OD1	-5.69	113.17	118.30
2	9-C	6	GLU	OE1-CD-OE2	-5.69	116.47	123.30
2	4-C	6	GLU	OE1-CD-OE2	-5.69	116.47	123.30
2	2-C	6	GLU	OE1-CD-OE2	-5.69	116.48	123.30
2	9-C	106	GLU	CA-CB-CG	-5.68	100.89	113.40
2	3-C	106	GLU	CA-CB-CG	-5.68	100.90	113.40
2	6-C	106	GLU	CA-CB-CG	-5.68	100.91	113.40
3	10-M	780	ASP	CB-CG-OD1	-5.68	113.19	118.30
3	13-M	780	ASP	CB-CG-OD1	-5.68	113.19	118.30
3	3-M	780	ASP	CB-CG-OD1	-5.67	113.19	118.30
2	5-C	106	GLU	CA-CB-CG	-5.67	100.92	113.40
3	5-M	780	ASP	CB-CG-OD1	-5.67	113.19	118.30
2	4-C	106	GLU	CA-CB-CG	-5.67	100.92	113.40
2	7-C	106	GLU	CA-CB-CG	-5.67	100.92	113.40
2	12-C	49	ILE	CA-C-N	-5.67	104.72	117.20
3	5-M	781	ASP	CB-CG-OD2	5.67	123.40	118.30
2	8-C	106	GLU	CA-CB-CG	-5.67	100.93	113.40
2	1-C	106	GLU	CA-CB-CG	-5.67	100.94	113.40
2	10-C	49	ILE	CA-C-N	-5.67	104.74	117.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	11-C	106	GLU	CA-CB-CG	-5.67	100.94	113.40
2	13-C	49	ILE	CA-C-N	-5.67	104.74	117.20
2	6-C	49	ILE	CA-C-N	-5.66	104.74	117.20
2	12-C	106	GLU	CA-CB-CG	-5.66	100.94	113.40
3	4-M	780	ASP	CB-CG-OD1	-5.66	113.20	118.30
2	2-C	106	GLU	CA-CB-CG	-5.66	100.95	113.40
2	5-C	49	ILE	CA-C-N	-5.66	104.75	117.20
2	9-C	49	ILE	CA-C-N	-5.66	104.76	117.20
3	7-M	781	ASP	CB-CG-OD2	5.65	123.39	118.30
2	10-C	106	GLU	CA-CB-CG	-5.65	100.97	113.40
2	13-C	106	GLU	CA-CB-CG	-5.65	100.97	113.40
2	14-C	106	GLU	CA-CB-CG	-5.65	100.97	113.40
2	3-C	49	ILE	CA-C-N	-5.65	104.77	117.20
2	14-C	49	ILE	CA-C-N	-5.65	104.77	117.20
2	11-C	49	ILE	CA-C-N	-5.65	104.78	117.20
2	2-C	102	VAL	CB-CA-C	-5.64	100.67	111.40
1	2-B	137	TRP	CG-CD1-NE1	-5.64	104.46	110.10
3	9-M	781	ASP	CB-CG-OD2	5.64	123.38	118.30
1	14-B	137	TRP	CG-CD1-NE1	-5.64	104.46	110.10
3	3-M	781	ASP	CB-CG-OD2	5.64	123.38	118.30
3	7-M	780	ASP	CB-CG-OD1	-5.64	113.22	118.30
1	4-B	137	TRP	CG-CD1-NE1	-5.64	104.46	110.10
3	8-M	780	ASP	CB-CG-OD1	-5.63	113.23	118.30
3	3-M	693	HIS	CA-CB-CG	-5.63	104.02	113.60
3	5-M	693	HIS	CA-CB-CG	-5.63	104.02	113.60
3	6-M	693	HIS	CA-CB-CG	-5.63	104.02	113.60
3	9-M	693	HIS	CA-CB-CG	-5.63	104.02	113.60
2	1-C	102	VAL	CB-CA-C	-5.63	100.70	111.40
3	11-M	780	ASP	CB-CG-OD1	-5.63	113.23	118.30
1	1-B	137	TRP	CG-CD1-NE1	-5.63	104.47	110.10
3	2-M	723	ARG	NE-CZ-NH1	5.63	123.11	120.30
1	11-B	137	TRP	CG-CD1-NE1	-5.63	104.47	110.10
1	5-B	137	TRP	CG-CD1-NE1	-5.62	104.48	110.10
2	7-C	102	VAL	CB-CA-C	-5.62	100.71	111.40
2	8-C	102	VAL	CB-CA-C	-5.62	100.72	111.40
3	12-M	780	ASP	CB-CG-OD1	-5.62	113.24	118.30
3	14-M	780	ASP	CB-CG-OD1	-5.62	113.24	118.30
3	8-M	781	ASP	CB-CG-OD2	5.62	123.36	118.30
2	14-C	102	VAL	CB-CA-C	-5.62	100.72	111.40
3	2-M	781	ASP	CB-CG-OD2	5.62	123.35	118.30
1	7-B	137	TRP	CG-CD1-NE1	-5.62	104.48	110.10
1	12-B	137	TRP	CG-CD1-NE1	-5.61	104.49	110.10

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	8-B	137	TRP	CG-CD1-NE1	-5.61	104.49	110.10
1	9-B	137	TRP	CG-CD1-NE1	-5.61	104.49	110.10
3	1-M	781	ASP	CB-CG-OD2	5.61	123.35	118.30
2	4-C	102	VAL	CB-CA-C	-5.61	100.75	111.40
1	6-B	137	TRP	CG-CD1-NE1	-5.60	104.50	110.10
2	10-C	102	VAL	CB-CA-C	-5.60	100.75	111.40
2	13-C	102	VAL	CB-CA-C	-5.60	100.75	111.40
3	2-M	780	ASP	CB-CG-OD1	-5.60	113.26	118.30
2	3-C	102	VAL	CB-CA-C	-5.60	100.76	111.40
2	11-C	102	VAL	CB-CA-C	-5.60	100.76	111.40
2	12-C	102	VAL	CB-CA-C	-5.60	100.77	111.40
3	4-M	781	ASP	CB-CG-OD2	5.59	123.34	118.30
2	9-C	102	VAL	CB-CA-C	-5.59	100.77	111.40
3	10-M	241	ASP	CB-CG-OD2	5.59	123.33	118.30
3	11-M	241	ASP	CB-CG-OD2	5.59	123.33	118.30
3	12-M	241	ASP	CB-CG-OD2	5.59	123.33	118.30
3	13-M	241	ASP	CB-CG-OD2	5.59	123.33	118.30
3	14-M	241	ASP	CB-CG-OD2	5.59	123.33	118.30
3	1-M	780	ASP	CB-CG-OD1	-5.59	113.27	118.30
1	3-B	137	TRP	CG-CD1-NE1	-5.59	104.51	110.10
2	6-C	102	VAL	CB-CA-C	-5.58	100.79	111.40
3	1-M	241	ASP	CB-CG-OD2	5.58	123.33	118.30
3	2-M	241	ASP	CB-CG-OD2	5.58	123.33	118.30
3	4-M	241	ASP	CB-CG-OD2	5.58	123.33	118.30
3	7-M	241	ASP	CB-CG-OD2	5.58	123.33	118.30
3	8-M	241	ASP	CB-CG-OD2	5.58	123.33	118.30
2	5-C	102	VAL	CB-CA-C	-5.58	100.80	111.40
3	3-M	241	ASP	CB-CG-OD2	5.57	123.32	118.30
3	5-M	241	ASP	CB-CG-OD2	5.57	123.32	118.30
3	6-M	241	ASP	CB-CG-OD2	5.57	123.32	118.30
3	9-M	241	ASP	CB-CG-OD2	5.57	123.32	118.30
3	10-M	306	THR	CA-CB-CG2	-5.57	104.60	112.40
3	11-M	306	THR	CA-CB-CG2	-5.57	104.60	112.40
3	12-M	306	THR	CA-CB-CG2	-5.57	104.60	112.40
3	13-M	306	THR	CA-CB-CG2	-5.57	104.60	112.40
3	14-M	306	THR	CA-CB-CG2	-5.57	104.60	112.40
3	8-M	723	ARG	NE-CZ-NH1	5.56	123.08	120.30
3	10-M	693	HIS	CA-CB-CG	-5.56	104.15	113.60
3	11-M	693	HIS	CA-CB-CG	-5.56	104.15	113.60
3	12-M	693	HIS	CA-CB-CG	-5.56	104.15	113.60
3	13-M	693	HIS	CA-CB-CG	-5.56	104.15	113.60
3	14-M	693	HIS	CA-CB-CG	-5.56	104.15	113.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	14-M	781	ASP	CB-CG-OD2	5.56	123.30	118.30
3	7-M	723	ARG	NE-CZ-NH1	5.56	123.08	120.30
3	1-M	693	HIS	CA-CB-CG	-5.55	104.17	113.60
3	2-M	693	HIS	CA-CB-CG	-5.55	104.17	113.60
3	3-M	306	THR	CA-CB-CG2	-5.55	104.64	112.40
3	4-M	693	HIS	CA-CB-CG	-5.55	104.17	113.60
3	5-M	306	THR	CA-CB-CG2	-5.55	104.64	112.40
3	6-M	306	THR	CA-CB-CG2	-5.55	104.64	112.40
3	7-M	693	HIS	CA-CB-CG	-5.55	104.17	113.60
3	8-M	693	HIS	CA-CB-CG	-5.55	104.17	113.60
3	9-M	306	THR	CA-CB-CG2	-5.55	104.64	112.40
3	1-M	723	ARG	NE-CZ-NH1	5.54	123.07	120.30
3	11-M	781	ASP	CB-CG-OD2	5.53	123.28	118.30
3	1-M	306	THR	CA-CB-CG2	-5.53	104.66	112.40
3	2-M	306	THR	CA-CB-CG2	-5.53	104.66	112.40
3	4-M	306	THR	CA-CB-CG2	-5.53	104.66	112.40
3	7-M	306	THR	CA-CB-CG2	-5.53	104.66	112.40
3	8-M	306	THR	CA-CB-CG2	-5.53	104.66	112.40
3	3-M	752	ASP	CB-CA-C	5.53	121.46	110.40
3	10-M	781	ASP	CB-CG-OD2	5.52	123.27	118.30
3	13-M	781	ASP	CB-CG-OD2	5.52	123.27	118.30
3	9-M	752	ASP	CB-CA-C	5.52	121.44	110.40
3	5-M	752	ASP	CB-CA-C	5.52	121.43	110.40
3	1-M	138	LYS	CB-CA-C	-5.51	99.37	110.40
3	2-M	138	LYS	CB-CA-C	-5.51	99.37	110.40
3	4-M	138	LYS	CB-CA-C	-5.51	99.37	110.40
3	7-M	138	LYS	CB-CA-C	-5.51	99.37	110.40
3	8-M	138	LYS	CB-CA-C	-5.51	99.37	110.40
3	12-M	752	ASP	CB-CA-C	5.51	121.43	110.40
3	6-M	752	ASP	CB-CA-C	5.51	121.42	110.40
3	11-M	752	ASP	CB-CA-C	5.51	121.42	110.40
3	12-M	781	ASP	CB-CG-OD2	5.51	123.26	118.30
3	10-M	752	ASP	CB-CA-C	5.50	121.41	110.40
3	13-M	752	ASP	CB-CA-C	5.50	121.41	110.40
3	3-M	138	LYS	CB-CA-C	-5.50	99.41	110.40
3	5-M	138	LYS	CB-CA-C	-5.50	99.41	110.40
3	6-M	138	LYS	CB-CA-C	-5.50	99.41	110.40
3	9-M	138	LYS	CB-CA-C	-5.50	99.41	110.40
3	4-M	723	ARG	NE-CZ-NH1	5.50	123.05	120.30
3	14-M	752	ASP	CB-CA-C	5.49	121.39	110.40
3	1-M	752	ASP	CB-CA-C	5.49	121.37	110.40
3	8-M	752	ASP	CB-CA-C	5.49	121.37	110.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-M	220	ASP	CB-CG-OD1	-5.49	113.36	118.30
3	2-M	220	ASP	CB-CG-OD1	-5.49	113.36	118.30
3	4-M	220	ASP	CB-CG-OD1	-5.49	113.36	118.30
3	7-M	220	ASP	CB-CG-OD1	-5.49	113.36	118.30
3	8-M	220	ASP	CB-CG-OD1	-5.49	113.36	118.30
3	4-M	752	ASP	CB-CA-C	5.48	121.37	110.40
1	14-B	80	PHE	CB-CG-CD1	-5.48	116.96	120.80
3	7-M	752	ASP	CB-CA-C	5.48	121.36	110.40
3	10-M	138	LYS	CB-CA-C	-5.48	99.44	110.40
3	11-M	138	LYS	CB-CA-C	-5.48	99.44	110.40
3	12-M	138	LYS	CB-CA-C	-5.48	99.44	110.40
3	13-M	138	LYS	CB-CA-C	-5.48	99.44	110.40
3	14-M	138	LYS	CB-CA-C	-5.48	99.44	110.40
3	2-M	752	ASP	CB-CA-C	5.47	121.34	110.40
3	3-M	686	MET	N-CA-CB	-5.47	100.75	110.60
3	5-M	686	MET	N-CA-CB	-5.47	100.75	110.60
3	6-M	686	MET	N-CA-CB	-5.47	100.75	110.60
3	9-M	686	MET	N-CA-CB	-5.47	100.75	110.60
3	10-M	686	MET	N-CA-CB	-5.46	100.77	110.60
3	11-M	686	MET	N-CA-CB	-5.46	100.77	110.60
3	12-M	686	MET	N-CA-CB	-5.46	100.77	110.60
3	13-M	686	MET	N-CA-CB	-5.46	100.77	110.60
3	14-M	686	MET	N-CA-CB	-5.46	100.77	110.60
3	1-M	686	MET	N-CA-CB	-5.45	100.79	110.60
3	2-M	686	MET	N-CA-CB	-5.45	100.79	110.60
3	4-M	686	MET	N-CA-CB	-5.45	100.79	110.60
3	7-M	686	MET	N-CA-CB	-5.45	100.79	110.60
3	8-M	686	MET	N-CA-CB	-5.45	100.79	110.60
1	10-B	80	PHE	CB-CG-CD1	-5.45	116.99	120.80
1	13-B	80	PHE	CB-CG-CD1	-5.45	116.99	120.80
1	12-B	80	PHE	CB-CG-CD1	-5.44	116.99	120.80
1	6-B	80	PHE	CB-CG-CD1	-5.44	116.99	120.80
3	10-M	547	ASP	CB-CG-OD2	5.43	123.19	118.30
3	11-M	547	ASP	CB-CG-OD2	5.43	123.19	118.30
3	12-M	547	ASP	CB-CG-OD2	5.43	123.19	118.30
3	13-M	547	ASP	CB-CG-OD2	5.43	123.19	118.30
3	14-M	547	ASP	CB-CG-OD2	5.43	123.19	118.30
3	1-M	547	ASP	CB-CG-OD2	5.43	123.18	118.30
3	2-M	547	ASP	CB-CG-OD2	5.43	123.18	118.30
3	3-M	220	ASP	CB-CG-OD1	-5.43	113.42	118.30
3	4-M	547	ASP	CB-CG-OD2	5.43	123.18	118.30
3	5-M	220	ASP	CB-CG-OD1	-5.43	113.42	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	6-M	220	ASP	CB-CG-OD1	-5.43	113.42	118.30
3	7-M	547	ASP	CB-CG-OD2	5.43	123.18	118.30
3	8-M	547	ASP	CB-CG-OD2	5.43	123.18	118.30
3	9-M	220	ASP	CB-CG-OD1	-5.43	113.42	118.30
3	1-M	320	ILE	CB-CA-C	-5.42	100.75	111.60
3	2-M	320	ILE	CB-CA-C	-5.42	100.75	111.60
3	4-M	320	ILE	CB-CA-C	-5.42	100.75	111.60
3	7-M	320	ILE	CB-CA-C	-5.42	100.75	111.60
3	8-M	320	ILE	CB-CA-C	-5.42	100.75	111.60
3	10-M	320	ILE	CB-CA-C	-5.41	100.78	111.60
1	11-B	80	PHE	CB-CG-CD1	-5.41	117.01	120.80
3	11-M	320	ILE	CB-CA-C	-5.41	100.78	111.60
3	12-M	320	ILE	CB-CA-C	-5.41	100.78	111.60
3	13-M	320	ILE	CB-CA-C	-5.41	100.78	111.60
3	14-M	320	ILE	CB-CA-C	-5.41	100.78	111.60
1	9-B	80	PHE	CB-CG-CD1	-5.41	117.02	120.80
3	10-M	220	ASP	CB-CG-OD1	-5.41	113.43	118.30
3	11-M	220	ASP	CB-CG-OD1	-5.41	113.43	118.30
3	12-M	220	ASP	CB-CG-OD1	-5.41	113.43	118.30
3	13-M	220	ASP	CB-CG-OD1	-5.41	113.43	118.30
3	14-M	220	ASP	CB-CG-OD1	-5.41	113.43	118.30
3	3-M	320	ILE	CB-CA-C	-5.40	100.79	111.60
3	5-M	320	ILE	CB-CA-C	-5.40	100.79	111.60
3	6-M	320	ILE	CB-CA-C	-5.40	100.79	111.60
3	9-M	320	ILE	CB-CA-C	-5.40	100.79	111.60
1	3-B	143	ASP	CA-CB-CG	5.39	125.26	113.40
1	9-B	143	ASP	CA-CB-CG	5.39	125.25	113.40
1	5-B	80	PHE	CB-CG-CD1	-5.38	117.03	120.80
3	1-M	601	ASP	CB-CG-OD2	5.38	123.14	118.30
3	2-M	601	ASP	CB-CG-OD2	5.38	123.14	118.30
3	4-M	601	ASP	CB-CG-OD2	5.38	123.14	118.30
3	7-M	601	ASP	CB-CG-OD2	5.38	123.14	118.30
3	8-M	601	ASP	CB-CG-OD2	5.38	123.14	118.30
1	6-B	143	ASP	CA-CB-CG	5.37	125.22	113.40
1	1-B	143	ASP	CA-CB-CG	5.37	125.22	113.40
1	5-B	143	ASP	CA-CB-CG	5.36	125.20	113.40
3	1-M	384	ASP	CB-CG-OD1	-5.36	113.48	118.30
3	2-M	384	ASP	CB-CG-OD1	-5.36	113.48	118.30
3	3-M	547	ASP	CB-CG-OD2	5.36	123.12	118.30
3	4-M	384	ASP	CB-CG-OD1	-5.36	113.48	118.30
3	5-M	547	ASP	CB-CG-OD2	5.36	123.12	118.30
3	6-M	547	ASP	CB-CG-OD2	5.36	123.12	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	7-M	384	ASP	CB-CG-OD1	-5.36	113.48	118.30
1	8-B	80	PHE	CB-CG-CD1	-5.36	117.05	120.80
3	8-M	384	ASP	CB-CG-OD1	-5.36	113.48	118.30
3	9-M	547	ASP	CB-CG-OD2	5.36	123.12	118.30
1	2-B	143	ASP	CA-CB-CG	5.36	125.18	113.40
1	3-B	80	PHE	CB-CG-CD1	-5.35	117.06	120.80
1	7-B	143	ASP	CA-CB-CG	5.35	125.17	113.40
1	1-B	80	PHE	CB-CG-CD1	-5.35	117.06	120.80
1	8-B	143	ASP	CA-CB-CG	5.35	125.17	113.40
1	11-B	143	ASP	CA-CB-CG	5.35	125.17	113.40
1	9-B	17	SER	N-CA-C	5.34	125.43	111.00
1	10-B	15	VAL	CA-CB-CG1	5.34	118.92	110.90
1	10-B	143	ASP	CA-CB-CG	5.34	125.16	113.40
1	13-B	15	VAL	CA-CB-CG1	5.34	118.92	110.90
1	13-B	143	ASP	CA-CB-CG	5.34	125.16	113.40
1	3-B	17	SER	N-CA-C	5.34	125.42	111.00
1	14-B	143	ASP	CA-CB-CG	5.34	125.15	113.40
1	4-B	143	ASP	CA-CB-CG	5.34	125.15	113.40
1	14-B	15	VAL	CA-CB-CG1	5.34	118.91	110.90
1	4-B	80	PHE	CB-CG-CD1	-5.34	117.06	120.80
1	10-B	17	SER	N-CA-C	5.34	125.41	111.00
1	13-B	17	SER	N-CA-C	5.34	125.41	111.00
1	4-B	17	SER	N-CA-C	5.33	125.40	111.00
1	12-B	143	ASP	CA-CB-CG	5.33	125.13	113.40
1	1-B	17	SER	N-CA-C	5.33	125.39	111.00
1	2-B	15	VAL	CA-CB-CG1	5.33	118.89	110.90
1	2-B	17	SER	N-CA-C	5.33	125.39	111.00
2	14-C	6	GLU	C-N-CA	5.33	135.02	121.70
1	8-B	17	SER	N-CA-C	5.33	125.38	111.00
1	5-B	17	SER	N-CA-C	5.32	125.37	111.00
2	9-C	6	GLU	C-N-CA	5.32	135.00	121.70
3	1-M	33	ASP	CB-CG-OD2	5.32	123.09	118.30
3	2-M	33	ASP	CB-CG-OD2	5.32	123.09	118.30
3	4-M	33	ASP	CB-CG-OD2	5.32	123.09	118.30
3	7-M	33	ASP	CB-CG-OD2	5.32	123.09	118.30
3	8-M	33	ASP	CB-CG-OD2	5.32	123.09	118.30
1	12-B	15	VAL	CA-CB-CG1	5.32	118.88	110.90
1	6-B	17	SER	N-CA-C	5.32	125.36	111.00
2	2-C	6	GLU	C-N-CA	5.32	134.99	121.70
2	5-C	6	GLU	C-N-CA	5.32	134.99	121.70
1	7-B	17	SER	N-CA-C	5.32	125.35	111.00
1	12-B	17	SER	N-CA-C	5.32	125.35	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	14-B	17	SER	N-CA-C	5.32	125.35	111.00
1	11-B	17	SER	N-CA-C	5.31	125.34	111.00
1	1-B	15	VAL	CA-CB-CG1	5.31	118.86	110.90
1	2-B	80	PHE	CB-CG-CD1	-5.31	117.08	120.80
2	7-C	6	GLU	C-N-CA	5.31	134.97	121.70
2	10-C	6	GLU	C-N-CA	5.31	134.97	121.70
3	10-M	384	ASP	CB-CG-OD1	-5.31	113.52	118.30
3	11-M	384	ASP	CB-CG-OD1	-5.31	113.52	118.30
3	12-M	384	ASP	CB-CG-OD1	-5.31	113.52	118.30
2	13-C	6	GLU	C-N-CA	5.31	134.97	121.70
3	13-M	384	ASP	CB-CG-OD1	-5.31	113.52	118.30
3	14-M	384	ASP	CB-CG-OD1	-5.31	113.52	118.30
2	6-C	6	GLU	C-N-CA	5.31	134.97	121.70
1	7-B	80	PHE	CB-CG-CD1	-5.31	117.08	120.80
2	12-C	6	GLU	C-N-CA	5.31	134.97	121.70
3	3-M	601	ASP	CB-CG-OD2	5.31	123.08	118.30
3	5-M	601	ASP	CB-CG-OD2	5.31	123.08	118.30
3	6-M	601	ASP	CB-CG-OD2	5.31	123.08	118.30
3	9-M	601	ASP	CB-CG-OD2	5.31	123.08	118.30
2	3-C	6	GLU	C-N-CA	5.30	134.96	121.70
2	8-C	6	GLU	C-N-CA	5.30	134.96	121.70
2	4-C	6	GLU	C-N-CA	5.30	134.96	121.70
1	11-B	15	VAL	CA-CB-CG1	5.30	118.84	110.90
2	1-C	6	GLU	C-N-CA	5.29	134.94	121.70
2	11-C	6	GLU	C-N-CA	5.29	134.93	121.70
3	3-M	686	MET	CG-SD-CE	-5.29	91.73	100.20
3	5-M	686	MET	CG-SD-CE	-5.29	91.73	100.20
3	6-M	686	MET	CG-SD-CE	-5.29	91.73	100.20
1	7-B	15	VAL	CA-CB-CG1	5.29	118.84	110.90
1	8-B	15	VAL	CA-CB-CG1	5.29	118.84	110.90
3	9-M	686	MET	CG-SD-CE	-5.29	91.73	100.20
3	1-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	2-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	4-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	7-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	8-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	10-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	11-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	12-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	13-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	14-M	686	MET	CG-SD-CE	-5.29	91.74	100.20
3	10-M	33	ASP	CB-CG-OD2	5.29	123.06	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	33	ASP	CB-CG-OD2	5.29	123.06	118.30
3	12-M	33	ASP	CB-CG-OD2	5.29	123.06	118.30
3	13-M	33	ASP	CB-CG-OD2	5.29	123.06	118.30
3	14-M	33	ASP	CB-CG-OD2	5.29	123.06	118.30
2	5-C	30	VAL	CA-CB-CG2	-5.28	102.98	110.90
2	4-C	30	VAL	CA-CB-CG2	-5.28	102.98	110.90
3	9-M	800	ARG	NH1-CZ-NH2	5.28	125.21	119.40
2	7-C	30	VAL	CA-CB-CG2	-5.28	102.98	110.90
3	6-M	800	ARG	NH1-CZ-NH2	5.27	125.20	119.40
1	4-B	15	VAL	CA-CB-CG1	5.27	118.81	110.90
1	5-B	15	VAL	CA-CB-CG1	5.27	118.81	110.90
3	3-M	125	THR	CA-CB-CG2	-5.27	105.02	112.40
3	5-M	125	THR	CA-CB-CG2	-5.27	105.02	112.40
3	6-M	125	THR	CA-CB-CG2	-5.27	105.02	112.40
3	9-M	125	THR	CA-CB-CG2	-5.27	105.02	112.40
3	5-M	800	ARG	NH1-CZ-NH2	5.26	125.19	119.40
2	2-C	30	VAL	CA-CB-CG2	-5.26	103.01	110.90
1	9-B	15	VAL	CA-CB-CG1	5.26	118.79	110.90
2	8-C	30	VAL	CA-CB-CG2	-5.26	103.01	110.90
3	10-M	800	ARG	NH1-CZ-NH2	5.26	125.18	119.40
3	13-M	800	ARG	NH1-CZ-NH2	5.26	125.18	119.40
3	3-M	660	LEU	CB-CG-CD2	5.26	119.94	111.00
3	5-M	660	LEU	CB-CG-CD2	5.26	119.94	111.00
3	6-M	660	LEU	CB-CG-CD2	5.26	119.94	111.00
3	9-M	660	LEU	CB-CG-CD2	5.26	119.94	111.00
2	9-C	30	VAL	CA-CB-CG2	-5.25	103.02	110.90
1	6-B	15	VAL	CA-CB-CG1	5.25	118.78	110.90
3	10-M	326	ASP	CB-CG-OD2	5.25	123.02	118.30
3	10-M	343	PHE	CB-CG-CD2	-5.25	117.13	120.80
3	11-M	326	ASP	CB-CG-OD2	5.25	123.02	118.30
3	11-M	343	PHE	CB-CG-CD2	-5.25	117.13	120.80
3	12-M	326	ASP	CB-CG-OD2	5.25	123.02	118.30
3	12-M	343	PHE	CB-CG-CD2	-5.25	117.13	120.80
3	13-M	326	ASP	CB-CG-OD2	5.25	123.02	118.30
3	13-M	343	PHE	CB-CG-CD2	-5.25	117.13	120.80
3	14-M	326	ASP	CB-CG-OD2	5.25	123.02	118.30
3	14-M	343	PHE	CB-CG-CD2	-5.25	117.13	120.80
3	3-M	33	ASP	CB-CG-OD2	5.25	123.02	118.30
3	5-M	33	ASP	CB-CG-OD2	5.25	123.02	118.30
3	6-M	33	ASP	CB-CG-OD2	5.25	123.02	118.30
3	9-M	33	ASP	CB-CG-OD2	5.25	123.02	118.30
3	7-M	800	ARG	NH1-CZ-NH2	5.25	125.17	119.40

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-M	354	LEU	CB-CG-CD2	-5.24	102.09	111.00
3	2-M	354	LEU	CB-CG-CD2	-5.24	102.09	111.00
3	3-M	343	PHE	CB-CG-CD2	-5.24	117.13	120.80
3	4-M	354	LEU	CB-CG-CD2	-5.24	102.09	111.00
3	5-M	343	PHE	CB-CG-CD2	-5.24	117.13	120.80
2	6-C	30	VAL	CA-CB-CG2	-5.24	103.04	110.90
3	6-M	343	PHE	CB-CG-CD2	-5.24	117.13	120.80
3	7-M	354	LEU	CB-CG-CD2	-5.24	102.09	111.00
3	8-M	354	LEU	CB-CG-CD2	-5.24	102.09	111.00
3	9-M	343	PHE	CB-CG-CD2	-5.24	117.13	120.80
2	1-C	30	VAL	CA-CB-CG2	-5.24	103.04	110.90
3	11-M	800	ARG	NH1-CZ-NH2	5.24	125.16	119.40
1	3-B	15	VAL	CA-CB-CG1	5.24	118.76	110.90
2	3-C	30	VAL	CA-CB-CG2	-5.24	103.04	110.90
3	10-M	601	ASP	CB-CG-OD2	5.24	123.01	118.30
3	11-M	601	ASP	CB-CG-OD2	5.24	123.01	118.30
3	12-M	601	ASP	CB-CG-OD2	5.24	123.01	118.30
3	13-M	601	ASP	CB-CG-OD2	5.24	123.01	118.30
3	14-M	601	ASP	CB-CG-OD2	5.24	123.01	118.30
3	3-M	361	TYR	CB-CG-CD2	-5.23	117.86	121.00
3	5-M	361	TYR	CB-CG-CD2	-5.23	117.86	121.00
3	6-M	361	TYR	CB-CG-CD2	-5.23	117.86	121.00
3	9-M	361	TYR	CB-CG-CD2	-5.23	117.86	121.00
3	10-M	125	THR	CA-CB-CG2	-5.23	105.08	112.40
3	10-M	354	LEU	CB-CG-CD2	-5.23	102.11	111.00
3	11-M	125	THR	CA-CB-CG2	-5.23	105.08	112.40
3	11-M	354	LEU	CB-CG-CD2	-5.23	102.11	111.00
3	12-M	125	THR	CA-CB-CG2	-5.23	105.08	112.40
3	12-M	354	LEU	CB-CG-CD2	-5.23	102.11	111.00
3	13-M	125	THR	CA-CB-CG2	-5.23	105.08	112.40
3	13-M	354	LEU	CB-CG-CD2	-5.23	102.11	111.00
3	14-M	125	THR	CA-CB-CG2	-5.23	105.08	112.40
3	14-M	354	LEU	CB-CG-CD2	-5.23	102.11	111.00
3	3-M	354	LEU	CB-CG-CD2	-5.22	102.12	111.00
3	5-M	354	LEU	CB-CG-CD2	-5.22	102.12	111.00
3	6-M	354	LEU	CB-CG-CD2	-5.22	102.12	111.00
3	9-M	354	LEU	CB-CG-CD2	-5.22	102.12	111.00
2	12-C	30	VAL	CA-CB-CG2	-5.22	103.06	110.90
1	2-B	127	ARG	NE-CZ-NH2	5.22	122.91	120.30
2	10-C	30	VAL	CA-CB-CG2	-5.22	103.06	110.90
3	10-M	660	LEU	CB-CG-CD2	5.22	119.88	111.00
3	11-M	660	LEU	CB-CG-CD2	5.22	119.88	111.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	660	LEU	CB-CG-CD2	5.22	119.88	111.00
2	13-C	30	VAL	CA-CB-CG2	-5.22	103.06	110.90
3	13-M	660	LEU	CB-CG-CD2	5.22	119.88	111.00
3	14-M	660	LEU	CB-CG-CD2	5.22	119.88	111.00
3	1-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	2-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	4-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	7-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	8-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	10-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	11-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	12-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	13-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	14-M	361	TYR	CB-CG-CD2	-5.22	117.87	121.00
3	3-M	800	ARG	NH1-CZ-NH2	5.21	125.14	119.40
3	1-M	660	LEU	CB-CG-CD2	5.21	119.86	111.00
3	2-M	660	LEU	CB-CG-CD2	5.21	119.86	111.00
3	3-M	384	ASP	CB-CG-OD1	-5.21	113.61	118.30
3	4-M	660	LEU	CB-CG-CD2	5.21	119.86	111.00
3	5-M	384	ASP	CB-CG-OD1	-5.21	113.61	118.30
3	6-M	384	ASP	CB-CG-OD1	-5.21	113.61	118.30
3	7-M	660	LEU	CB-CG-CD2	5.21	119.86	111.00
3	8-M	660	LEU	CB-CG-CD2	5.21	119.86	111.00
3	9-M	384	ASP	CB-CG-OD1	-5.21	113.61	118.30
3	1-M	800	ARG	NH1-CZ-NH2	5.21	125.13	119.40
3	8-M	800	ARG	NH1-CZ-NH2	5.21	125.13	119.40
2	11-C	30	VAL	CA-CB-CG2	-5.21	103.09	110.90
3	4-M	800	ARG	NH1-CZ-NH2	5.20	125.12	119.40
2	14-C	30	VAL	CA-CB-CG2	-5.20	103.09	110.90
3	1-M	343	PHE	CB-CG-CD2	-5.20	117.16	120.80
3	2-M	343	PHE	CB-CG-CD2	-5.20	117.16	120.80
3	4-M	343	PHE	CB-CG-CD2	-5.20	117.16	120.80
3	7-M	343	PHE	CB-CG-CD2	-5.20	117.16	120.80
3	8-M	343	PHE	CB-CG-CD2	-5.20	117.16	120.80
3	1-M	125	THR	CA-CB-CG2	-5.20	105.13	112.40
3	2-M	125	THR	CA-CB-CG2	-5.20	105.13	112.40
3	4-M	125	THR	CA-CB-CG2	-5.20	105.13	112.40
3	7-M	125	THR	CA-CB-CG2	-5.20	105.13	112.40
3	8-M	125	THR	CA-CB-CG2	-5.20	105.13	112.40
3	12-M	800	ARG	NH1-CZ-NH2	5.19	125.11	119.40
3	14-M	800	ARG	NH1-CZ-NH2	5.19	125.11	119.40
1	7-B	127	ARG	NE-CZ-NH2	5.19	122.90	120.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	14-C	49	ILE	CA-CB-CG1	-5.19	101.14	111.00
3	2-M	800	ARG	NH1-CZ-NH2	5.19	125.11	119.40
3	3-M	326	ASP	CB-CG-OD2	5.19	122.97	118.30
3	5-M	326	ASP	CB-CG-OD2	5.19	122.97	118.30
3	6-M	326	ASP	CB-CG-OD2	5.19	122.97	118.30
3	9-M	326	ASP	CB-CG-OD2	5.19	122.97	118.30
2	11-C	49	ILE	CA-CB-CG1	-5.19	101.15	111.00
1	8-B	127	ARG	NE-CZ-NH2	5.18	122.89	120.30
2	12-C	49	ILE	CA-CB-CG1	-5.18	101.15	111.00
1	1-B	127	ARG	NE-CZ-NH2	5.18	122.89	120.30
1	5-B	147	ASN	CA-CB-CG	5.17	124.78	113.40
1	12-B	127	ARG	NE-CZ-NH2	5.17	122.89	120.30
1	6-B	147	ASN	CA-CB-CG	5.17	124.78	113.40
1	3-B	147	ASN	CA-CB-CG	5.17	124.77	113.40
2	10-C	49	ILE	CA-CB-CG1	-5.17	101.18	111.00
2	13-C	49	ILE	CA-CB-CG1	-5.17	101.18	111.00
1	14-B	147	ASN	CA-CB-CG	5.17	124.77	113.40
3	10-M	346	ASP	N-CA-CB	-5.17	101.30	110.60
3	11-M	346	ASP	N-CA-CB	-5.17	101.30	110.60
3	12-M	346	ASP	N-CA-CB	-5.17	101.30	110.60
3	13-M	346	ASP	N-CA-CB	-5.17	101.30	110.60
3	14-M	346	ASP	N-CA-CB	-5.17	101.30	110.60
1	9-B	147	ASN	CA-CB-CG	5.16	124.75	113.40
2	7-C	49	ILE	CA-CB-CG1	-5.16	101.20	111.00
3	1-M	326	ASP	CB-CG-OD2	5.16	122.94	118.30
3	2-M	326	ASP	CB-CG-OD2	5.16	122.94	118.30
3	4-M	326	ASP	CB-CG-OD2	5.16	122.94	118.30
3	7-M	326	ASP	CB-CG-OD2	5.16	122.94	118.30
3	8-M	326	ASP	CB-CG-OD2	5.16	122.94	118.30
3	3-M	160	ASP	CB-CG-OD2	-5.16	113.66	118.30
3	5-M	160	ASP	CB-CG-OD2	-5.16	113.66	118.30
3	6-M	160	ASP	CB-CG-OD2	-5.16	113.66	118.30
3	9-M	160	ASP	CB-CG-OD2	-5.16	113.66	118.30
2	4-C	49	ILE	CA-CB-CG1	-5.15	101.21	111.00
2	8-C	49	ILE	CA-CB-CG1	-5.15	101.22	111.00
1	11-B	147	ASN	CA-CB-CG	5.15	124.73	113.40
1	12-B	147	ASN	CA-CB-CG	5.15	124.72	113.40
3	1-M	346	ASP	N-CA-CB	-5.14	101.34	110.60
3	2-M	346	ASP	N-CA-CB	-5.14	101.34	110.60
3	4-M	346	ASP	N-CA-CB	-5.14	101.34	110.60
3	7-M	346	ASP	N-CA-CB	-5.14	101.34	110.60
3	8-M	346	ASP	N-CA-CB	-5.14	101.34	110.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	10-M	4	ASP	CB-CG-OD1	-5.14	113.67	118.30
3	11-M	4	ASP	CB-CG-OD1	-5.14	113.67	118.30
3	12-M	4	ASP	CB-CG-OD1	-5.14	113.67	118.30
3	13-M	4	ASP	CB-CG-OD1	-5.14	113.67	118.30
3	14-M	4	ASP	CB-CG-OD1	-5.14	113.67	118.30
2	1-C	49	ILE	CA-CB-CG1	-5.14	101.23	111.00
3	1-M	82	PRO	N-CA-CB	5.14	109.47	103.30
3	2-M	82	PRO	N-CA-CB	5.14	109.47	103.30
3	4-M	82	PRO	N-CA-CB	5.14	109.47	103.30
3	7-M	82	PRO	N-CA-CB	5.14	109.47	103.30
3	8-M	82	PRO	N-CA-CB	5.14	109.47	103.30
3	10-M	160	ASP	CB-CG-OD2	-5.14	113.67	118.30
3	11-M	160	ASP	CB-CG-OD2	-5.14	113.67	118.30
3	12-M	160	ASP	CB-CG-OD2	-5.14	113.67	118.30
3	13-M	160	ASP	CB-CG-OD2	-5.14	113.67	118.30
3	14-M	160	ASP	CB-CG-OD2	-5.14	113.67	118.30
3	3-M	346	ASP	N-CA-CB	-5.13	101.36	110.60
3	5-M	346	ASP	N-CA-CB	-5.13	101.36	110.60
3	6-M	346	ASP	N-CA-CB	-5.13	101.36	110.60
3	9-M	346	ASP	N-CA-CB	-5.13	101.36	110.60
3	1-M	4	ASP	CB-CG-OD1	-5.13	113.68	118.30
3	2-M	4	ASP	CB-CG-OD1	-5.13	113.68	118.30
3	4-M	4	ASP	CB-CG-OD1	-5.13	113.68	118.30
3	7-M	4	ASP	CB-CG-OD1	-5.13	113.68	118.30
3	8-M	4	ASP	CB-CG-OD1	-5.13	113.68	118.30
1	10-B	147	ASN	CA-CB-CG	5.13	124.69	113.40
1	13-B	147	ASN	CA-CB-CG	5.13	124.69	113.40
1	2-B	147	ASN	CA-CB-CG	5.13	124.69	113.40
2	2-C	49	ILE	CA-CB-CG1	-5.13	101.25	111.00
1	4-B	127	ARG	NE-CZ-NH2	5.13	122.86	120.30
3	2-M	760	PHE	CB-CG-CD1	5.12	124.38	120.80
1	8-B	147	ASN	CA-CB-CG	5.12	124.66	113.40
1	7-B	147	ASN	CA-CB-CG	5.12	124.66	113.40
3	1-M	160	ASP	CB-CG-OD2	-5.11	113.70	118.30
3	2-M	160	ASP	CB-CG-OD2	-5.11	113.70	118.30
3	4-M	160	ASP	CB-CG-OD2	-5.11	113.70	118.30
3	7-M	160	ASP	CB-CG-OD2	-5.11	113.70	118.30
3	8-M	160	ASP	CB-CG-OD2	-5.11	113.70	118.30
1	1-B	147	ASN	CA-CB-CG	5.11	124.64	113.40
1	4-B	147	ASN	CA-CB-CG	5.11	124.64	113.40
3	10-M	90	ASP	CB-CG-OD1	-5.11	113.71	118.30
3	11-M	90	ASP	CB-CG-OD1	-5.11	113.71	118.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	12-M	90	ASP	CB-CG-OD1	-5.11	113.71	118.30
3	13-M	90	ASP	CB-CG-OD1	-5.11	113.71	118.30
3	14-M	90	ASP	CB-CG-OD1	-5.11	113.71	118.30
3	1-M	90	ASP	CB-CG-OD1	-5.10	113.71	118.30
3	2-M	90	ASP	CB-CG-OD1	-5.10	113.71	118.30
3	4-M	90	ASP	CB-CG-OD1	-5.10	113.71	118.30
2	6-C	49	ILE	CA-CB-CG1	-5.10	101.31	111.00
3	7-M	90	ASP	CB-CG-OD1	-5.10	113.71	118.30
3	8-M	90	ASP	CB-CG-OD1	-5.10	113.71	118.30
3	10-M	621	LEU	CA-CB-CG	-5.10	103.58	115.30
3	11-M	621	LEU	CA-CB-CG	-5.10	103.58	115.30
3	12-M	621	LEU	CA-CB-CG	-5.10	103.58	115.30
3	13-M	621	LEU	CA-CB-CG	-5.10	103.58	115.30
3	14-M	621	LEU	CA-CB-CG	-5.10	103.58	115.30
3	3-M	82	PRO	N-CA-CB	5.10	109.42	103.30
3	5-M	82	PRO	N-CA-CB	5.10	109.42	103.30
3	6-M	82	PRO	N-CA-CB	5.10	109.42	103.30
3	9-M	82	PRO	N-CA-CB	5.10	109.42	103.30
3	3-M	4	ASP	CB-CG-OD1	-5.09	113.72	118.30
3	5-M	4	ASP	CB-CG-OD1	-5.09	113.72	118.30
3	6-M	4	ASP	CB-CG-OD1	-5.09	113.72	118.30
3	9-M	4	ASP	CB-CG-OD1	-5.09	113.72	118.30
2	5-C	49	ILE	CA-CB-CG1	-5.09	101.33	111.00
3	1-M	621	LEU	CA-CB-CG	-5.09	103.60	115.30
3	2-M	621	LEU	CA-CB-CG	-5.09	103.60	115.30
3	4-M	621	LEU	CA-CB-CG	-5.09	103.60	115.30
3	7-M	621	LEU	CA-CB-CG	-5.09	103.60	115.30
3	8-M	621	LEU	CA-CB-CG	-5.09	103.60	115.30
2	3-C	49	ILE	CA-CB-CG1	-5.09	101.33	111.00
3	3-M	732	ILE	N-CA-C	5.08	124.72	111.00
3	3-M	621	LEU	CA-CB-CG	-5.08	103.62	115.30
3	5-M	621	LEU	CA-CB-CG	-5.08	103.62	115.30
3	6-M	621	LEU	CA-CB-CG	-5.08	103.62	115.30
2	9-C	49	ILE	CA-CB-CG1	-5.08	101.35	111.00
3	9-M	621	LEU	CA-CB-CG	-5.08	103.62	115.30
1	14-B	127	ARG	NE-CZ-NH2	5.07	122.84	120.30
3	3-M	90	ASP	CB-CG-OD1	-5.07	113.74	118.30
3	5-M	90	ASP	CB-CG-OD1	-5.07	113.74	118.30
3	6-M	90	ASP	CB-CG-OD1	-5.07	113.74	118.30
3	9-M	90	ASP	CB-CG-OD1	-5.07	113.74	118.30
3	1-M	760	PHE	CB-CG-CD1	5.07	124.35	120.80
3	10-M	82	PRO	N-CA-CB	5.07	109.38	103.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	11-M	82	PRO	N-CA-CB	5.07	109.38	103.30
3	12-M	82	PRO	N-CA-CB	5.07	109.38	103.30
3	13-M	82	PRO	N-CA-CB	5.07	109.38	103.30
3	14-M	82	PRO	N-CA-CB	5.07	109.38	103.30
3	5-M	732	ILE	N-CA-C	5.06	124.67	111.00
3	2-M	732	ILE	N-CA-C	5.06	124.66	111.00
3	4-M	760	PHE	CB-CG-CD1	5.06	124.34	120.80
3	1-M	732	ILE	N-CA-C	5.06	124.65	111.00
3	5-M	760	PHE	CB-CG-CD1	5.06	124.34	120.80
3	9-M	732	ILE	N-CA-C	5.06	124.65	111.00
3	7-M	732	ILE	N-CA-C	5.06	124.65	111.00
3	8-M	732	ILE	N-CA-C	5.06	124.65	111.00
3	6-M	732	ILE	N-CA-C	5.05	124.63	111.00
3	7-M	760	PHE	CB-CG-CD1	5.05	124.33	120.80
1	10-B	127	ARG	NE-CZ-NH2	5.05	122.83	120.30
1	13-B	127	ARG	NE-CZ-NH2	5.05	122.83	120.30
3	10-M	463	ASP	CB-CG-OD1	5.04	122.84	118.30
3	11-M	463	ASP	CB-CG-OD1	5.04	122.84	118.30
3	12-M	463	ASP	CB-CG-OD1	5.04	122.84	118.30
3	13-M	463	ASP	CB-CG-OD1	5.04	122.84	118.30
3	14-M	463	ASP	CB-CG-OD1	5.04	122.84	118.30
3	4-M	732	ILE	N-CA-C	5.04	124.62	111.00
3	11-M	732	ILE	N-CA-C	5.04	124.61	111.00
3	14-M	732	ILE	N-CA-C	5.04	124.61	111.00
3	3-M	760	PHE	CB-CG-CD1	5.03	124.32	120.80
3	10-M	732	ILE	N-CA-C	5.03	124.59	111.00
3	12-M	732	ILE	N-CA-C	5.03	124.59	111.00
3	13-M	732	ILE	N-CA-C	5.03	124.59	111.00
3	8-M	760	PHE	CB-CG-CD1	5.03	124.32	120.80
1	11-B	127	ARG	NE-CZ-NH2	5.03	122.81	120.30
3	1-M	611	TYR	CB-CG-CD2	-5.03	117.98	121.00
3	2-M	611	TYR	CB-CG-CD2	-5.03	117.98	121.00
3	4-M	611	TYR	CB-CG-CD2	-5.03	117.98	121.00
3	7-M	611	TYR	CB-CG-CD2	-5.03	117.98	121.00
3	8-M	611	TYR	CB-CG-CD2	-5.03	117.98	121.00
3	3-M	557	GLN	CG-CD-OE1	-5.03	111.54	121.60
3	5-M	557	GLN	CG-CD-OE1	-5.03	111.54	121.60
3	6-M	557	GLN	CG-CD-OE1	-5.03	111.54	121.60
3	9-M	557	GLN	CG-CD-OE1	-5.03	111.54	121.60
3	9-M	760	PHE	CB-CG-CD1	5.01	124.31	120.80
3	6-M	760	PHE	CB-CG-CD1	5.01	124.31	120.80
3	11-M	760	PHE	CB-CG-CD1	5.00	124.30	120.80

There are no chirality outliers.

All (70) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	1-B	105	ASP	Peptide
1	1-B	127	ARG	Peptide
1	1-B	140	PHE	Peptide
1	1-B	141	PRO	Peptide
3	1-M	98	HIS	Mainchain
1	10-B	105	ASP	Peptide
1	10-B	127	ARG	Peptide
1	10-B	140	PHE	Peptide
1	10-B	141	PRO	Peptide
3	10-M	98	HIS	Mainchain
1	11-B	105	ASP	Peptide
1	11-B	127	ARG	Peptide
1	11-B	140	PHE	Peptide
1	11-B	141	PRO	Peptide
3	11-M	98	HIS	Mainchain
1	12-B	105	ASP	Peptide
1	12-B	127	ARG	Peptide
1	12-B	140	PHE	Peptide
1	12-B	141	PRO	Peptide
3	12-M	98	HIS	Mainchain
1	13-B	105	ASP	Peptide
1	13-B	127	ARG	Peptide
1	13-B	140	PHE	Peptide
1	13-B	141	PRO	Peptide
3	13-M	98	HIS	Mainchain
1	14-B	105	ASP	Peptide
1	14-B	127	ARG	Peptide
1	14-B	140	PHE	Peptide
1	14-B	141	PRO	Peptide
3	14-M	98	HIS	Mainchain
1	2-B	105	ASP	Peptide
1	2-B	127	ARG	Peptide
1	2-B	140	PHE	Peptide
1	2-B	141	PRO	Peptide
3	2-M	98	HIS	Mainchain
1	3-B	105	ASP	Peptide
1	3-B	127	ARG	Peptide
1	3-B	140	PHE	Peptide
1	3-B	141	PRO	Peptide
3	3-M	98	HIS	Mainchain

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Mol	Chain	Res	Type	Group
1	4-B	105	ASP	Peptide
1	4-B	127	ARG	Peptide
1	4-B	140	PHE	Peptide
1	4-B	141	PRO	Peptide
3	4-M	98	HIS	Mainchain
1	5-B	105	ASP	Peptide
1	5-B	127	ARG	Peptide
1	5-B	140	PHE	Peptide
1	5-B	141	PRO	Peptide
3	5-M	98	HIS	Mainchain
1	6-B	105	ASP	Peptide
1	6-B	127	ARG	Peptide
1	6-B	140	PHE	Peptide
1	6-B	141	PRO	Peptide
3	6-M	98	HIS	Mainchain
1	7-B	105	ASP	Peptide
1	7-B	127	ARG	Peptide
1	7-B	140	PHE	Peptide
1	7-B	141	PRO	Peptide
3	7-M	98	HIS	Mainchain
1	8-B	105	ASP	Peptide
1	8-B	127	ARG	Peptide
1	8-B	140	PHE	Peptide
1	8-B	141	PRO	Peptide
3	8-M	98	HIS	Mainchain
1	9-B	105	ASP	Peptide
1	9-B	127	ARG	Peptide
1	9-B	140	PHE	Peptide
1	9-B	141	PRO	Peptide
3	9-M	98	HIS	Mainchain

5.2 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 the 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 within the asymmetric unit, whereas Symm-Clashes lists symmetry related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1-B	1177	0	1134	134	0
1	2-B	1177	0	1134	134	0
1	3-B	1177	0	1134	134	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	4-B	1177	0	1134	132	0
1	5-B	1177	0	1134	135	0
1	6-B	1177	0	1134	132	0
1	7-B	1177	0	1134	139	0
1	8-B	1177	0	1134	138	0
1	9-B	1177	0	1134	135	0
1	10-B	1177	0	1134	133	0
1	11-B	1177	0	1134	134	0
1	12-B	1177	0	1134	136	0
1	13-B	1177	0	1134	133	0
1	14-B	1177	0	1134	135	0
2	1-C	1126	0	1084	88	0
2	2-C	1126	0	1084	90	0
2	3-C	1126	0	1084	87	0
2	4-C	1126	0	1084	88	0
2	5-C	1126	0	1084	89	0
2	6-C	1126	0	1084	86	0
2	7-C	1126	0	1084	89	0
2	8-C	1126	0	1084	89	0
2	9-C	1126	0	1084	87	0
2	10-C	1126	0	1084	90	0
2	11-C	1126	0	1084	91	0
2	12-C	1126	0	1084	90	0
2	13-C	1126	0	1084	90	0
2	14-C	1126	0	1084	88	0
3	1-M	6455	0	6383	855	0
3	2-M	6455	0	6377	836	0
3	3-M	6455	0	6379	877	0
3	4-M	6455	0	6383	832	0
3	5-M	6455	0	6383	887	0
3	6-M	6455	0	6382	891	0
3	7-M	6455	0	6383	849	0
3	8-M	6455	0	6384	815	0
3	9-M	6455	0	6382	863	0
3	10-M	6455	0	6383	832	0
3	11-M	6455	0	6381	835	0
3	12-M	6455	0	6381	818	0
3	13-M	6455	0	6383	832	0
3	14-M	6455	0	6383	838	0
All	All	122612	0	120399	13304	0

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 55.

All (13304) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.18	1.70
3:M:510:TRP:CH2	3:M:711:PHE:CE2	1.76	1.68
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.79	1.64
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.63
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.62
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.60
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	1.75	1.60
3:M:508:ILE:HG23	3:M:766:PHE:CZ	1.08	1.60
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.59
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.09	1.58
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.58
3:M:506:GLU:HG3	3:M:764:LYS:CE	1.16	1.57
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.57
3:M:509:GLU:CB	3:M:764:LYS:HG3	1.18	1.57
3:M:510:TRP:CE3	3:M:766:PHE:CB	1.89	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56
3:M:540:CYS:CB	3:M:602:PRO:HG2	1.27	1.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.56
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.56
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.56
3:M:508:ILE:CG2	3:M:766:PHE:CG	1.86	1.56
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.55
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.88	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
3:M:273:SER:HB3	3:M:598:LYS:CD	1.27	1.55
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.55
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.55
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.55
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.55
3:M:510:TRP:HB2	3:M:714:ARG:CZ	1.36	1.54
3:M:508:ILE:HG21	3:M:766:PHE:CG	1.41	1.54
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.53
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	1.01	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.28	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.52
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	1.97	1.52
3:M:503:TYR:CB	3:M:714:ARG:HH12	1.17	1.51
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:508:ILE:CG2	3:M:766:PHE:CZ	1.87	1.51
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:273:SER:HB3	3:M:598:LYS:CG	1.36	1.51
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
3:M:603:LEU:HD22	3:M:647:GLN:CB	1.33	1.50
1:B:87:LYS:NZ	3:M:829:TRP:CE2	1.72	1.50
3:M:508:ILE:HG21	3:M:766:PHE:CD2	1.45	1.48
3:M:510:TRP:CZ3	3:M:766:PHE:CB	1.85	1.47
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
3:M:508:ILE:CG2	3:M:766:PHE:CD1	1.80	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.46
3:M:506:GLU:HG3	3:M:764:LYS:CE	1.44	1.46
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.45
3:M:508:ILE:HG21	3:M:766:PHE:CE2	1.47	1.45
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.25	1.44
3:M:509:GLU:N	3:M:714:ARG:CD	1.81	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.18	1.44
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.44
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	0.91	1.43
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.43
3:M:510:TRP:CE3	3:M:766:PHE:CB	1.89	1.43
3:M:510:TRP:CD2	3:M:711:PHE:CB	1.77	1.43
3:M:508:ILE:CG2	3:M:766:PHE:CE2	2.00	1.42
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.16	1.42
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.42
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.42
3:M:509:GLU:CB	3:M:714:ARG:HB2	1.05	1.42
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.05	1.41
3:M:509:GLU:CG	3:M:764:LYS:CG	1.86	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.07	1.41
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.41
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.40
3:M:506:GLU:CG	3:M:764:LYS:HE3	1.48	1.40
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.10	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
2:C:40:ASN:HD21	3:M:793:ARG:NH1	1.08	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:273:SER:CB	3:M:598:LYS:CD	1.99	1.39
3:M:266:GLU:CA	3:M:442:VAL:HG11	1.51	1.39
3:M:510:TRP:CH2	3:M:711:PHE:CE2	2.09	1.39
3:M:510:TRP:CE3	3:M:766:PHE:HB3	1.54	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.38
3:M:509:GLU:CB	3:M:714:ARG:CB	1.98	1.38
3:M:510:TRP:HE3	3:M:766:PHE:CB	1.34	1.38
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.38
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.38
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.38
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
3:M:509:GLU:H	3:M:714:ARG:CD	1.34	1.37
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.37
3:M:510:TRP:CD2	3:M:711:PHE:HB2	0.84	1.37
3:M:509:GLU:HG3	3:M:764:LYS:CG	1.50	1.37
3:M:508:ILE:HG21	3:M:766:PHE:CG	1.59	1.37
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.36
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.13	1.36
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.36
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:HD22	3:M:647:GLN:CG	1.54	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
3:M:508:ILE:CG2	3:M:766:PHE:CG	2.09	1.35
3:M:603:LEU:CG	3:M:647:GLN:O	1.73	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.35
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
1:B:56:ARG:NH2	3:M:837:LYS:HE3	1.38	1.34
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:540:CYS:HB2	3:M:602:PRO:CG	1.55	1.34
3:M:508:ILE:HG23	3:M:766:PHE:CD1	1.10	1.34
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.34
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.35	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.34
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.44	1.34
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:CB	3:M:764:LYS:CG	2.04	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.33
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
3:M:709:LYS:C	3:M:710:GLY:N	1.82	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.63	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
3:M:510:TRP:CZ3	3:M:711:PHE:CE2	2.15	1.32
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.32
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.32
1:B:101:PHE:CE2	3:M:816:ILE:HD13	1.61	1.32
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.32
2:C:147:MET:SD	3:M:793:ARG:NE	1.96	1.32
3:M:509:GLU:N	3:M:766:PHE:CZ	1.97	1.32
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.32
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.32
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.32
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.32
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.31
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.31
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.16	1.31
1:B:87:LYS:HD2	3:M:829:TRP:CH2	1.62	1.31
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.31
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.31
3:M:510:TRP:CE3	3:M:711:PHE:CB	2.02	1.31
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.45	1.31
3:M:508:ILE:CG2	3:M:712:PRO:O	1.79	1.30
2:C:147:MET:SD	3:M:793:ARG:NE	1.97	1.30
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.49	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:431:LYS:HD3	3:M:601:ASP:CA	1.39	1.30
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.43	1.30
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.30
3:M:510:TRP:CD2	3:M:711:PHE:CB	1.99	1.30
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.30
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.30
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.30
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.30
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.30
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.30
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.30
3:M:603:LEU:HD13	3:M:647:GLN:C	0.94	1.30
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.30
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.29
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.18	1.29
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.21	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:266:GLU:HA	3:M:442:VAL:CG1	1.62	1.29
3:M:511:GLU:N	3:M:766:PHE:CD1	1.92	1.29
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:510:TRP:CE2	3:M:711:PHE:HB2	1.24	1.28
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.19	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.54	1.28
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.28
3:M:709:LYS:C	3:M:710:GLY:N	1.87	1.28
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.06	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.28
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.27
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.22	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:509:GLU:HB2	3:M:764:LYS:CG	1.63	1.27
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.48	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.27
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.18	1.27
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.26
3:M:508:ILE:HG22	3:M:714:ARG:CG	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:503:TYR:CE1	3:M:714:ARG:NH2	1.68	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:447:GLN:O	3:M:450:ASP:N	1.66	1.26
3:M:509:GLU:N	3:M:714:ARG:HD3	1.45	1.26
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.26
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
3:M:709:LYS:O	3:M:710:GLY:O	1.54	1.25
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.25
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.51	1.25
3:M:508:ILE:HG23	3:M:766:PHE:CE1	1.70	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.25
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.25
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.25
1:B:87:LYS:NZ	3:M:829:TRP:CZ2	1.88	1.25
1:B:56:ARG:HH21	3:M:837:LYS:CE	1.47	1.24
3:M:510:TRP:HB2	3:M:714:ARG:CZ	1.66	1.24
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.36	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:603:LEU:CD2	3:M:647:GLN:CB	2.15	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.24
3:M:431:LYS:CD	3:M:601:ASP:HA	1.54	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.24
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.24
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.23
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.20	1.23
3:M:510:TRP:CE3	3:M:711:PHE:CB	1.87	1.23
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.23
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.23
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.23
3:M:509:GLU:O	3:M:714:ARG:HD3	1.36	1.23
3:M:503:TYR:CB	3:M:714:ARG:NH1	1.82	1.23
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.55	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.23
1:B:128:PHE:CZ	3:M:821:ARG:CZ	2.19	1.23
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:731:ALA:C	3:M:732:ILE:N	1.92	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	1.50	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:508:ILE:HG21	3:M:712:PRO:O	1.33	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:510:TRP:CB	3:M:766:PHE:CD2	2.06	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:731:ALA:C	3:M:732:ILE:N	1.91	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
3:M:540:CYS:CB	3:M:602:PRO:CG	2.10	1.22
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:508:ILE:CB	3:M:714:ARG:NH1	1.97	1.22
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.07	1.22
3:M:709:LYS:C	3:M:710:GLY:HA2	1.58	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
3:M:709:LYS:C	3:M:710:GLY:HA2	1.58	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
3:M:509:GLU:O	3:M:714:ARG:CB	1.88	1.21
3:M:510:TRP:CE3	3:M:766:PHE:CB	2.15	1.21
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.21
1:B:128:PHE:CZ	3:M:821:ARG:NH2	2.08	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.21
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.21
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	0.98	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.21
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.21
3:M:509:GLU:CG	3:M:764:LYS:HZ2	1.46	1.20
3:M:509:GLU:CG	3:M:764:LYS:HZ2	1.46	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
3:M:244:SER:HG	3:M:246:PHE:N	1.36	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.20
3:M:508:ILE:HG21	3:M:766:PHE:CD2	1.76	1.20
3:M:508:ILE:HG23	3:M:766:PHE:CD1	1.47	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.55	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.20
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
3:M:709:LYS:C	3:M:710:GLY:N	1.94	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.19
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.19
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.60	1.19
3:M:509:GLU:CG	3:M:764:LYS:HG2	1.50	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.19
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.19
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.19
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
2:C:149:VAL:HG23	3:M:797:PHE:CD1	1.76	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
3:M:421:GLN:CG	3:M:543:PRO:O	1.90	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
3:M:506:GLU:CG	3:M:764:LYS:CE	2.13	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.18
3:M:244:SER:HG	3:M:246:PHE:N	1.39	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:709:LYS:C	3:M:710:GLY:HA2	1.63	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.18
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.18
3:M:510:TRP:CE3	3:M:711:PHE:CE2	2.32	1.18
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.18
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:87:LYS:NZ	3:M:829:TRP:NE1	1.69	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
3:M:603:LEU:CD2	3:M:647:GLN:HB3	1.74	1.17
3:M:509:GLU:O	3:M:714:ARG:CB	1.68	1.17
2:C:40:ASN:ND2	3:M:793:ARG:NH1	1.88	1.17
3:M:509:GLU:O	3:M:714:ARG:CB	1.68	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:N	3:M:714:ARG:HD2	1.58	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.17
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.32	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.17
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.17
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.17
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.17
3:M:508:ILE:CG2	3:M:766:PHE:CD1	2.05	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.17
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
3:M:510:TRP:CH2	3:M:711:PHE:CE2	2.33	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.17
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:431:LYS:NZ	3:M:597:GLU:O	1.75	1.16
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.16
3:M:431:LYS:HD3	3:M:601:ASP:N	1.58	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.16
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
1:B:101:PHE:CE2	3:M:816:ILE:CD1	2.27	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.59	1.15
3:M:509:GLU:H	3:M:714:ARG:CB	1.57	1.15
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.15
1:B:128:PHE:CE1	3:M:821:ARG:NH2	2.12	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.15
1:B:87:LYS:CE	3:M:829:TRP:CZ2	2.26	1.15
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.38	1.15
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.64	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:508:ILE:CD1	3:M:714:ARG:HD3	1.77	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:603:LEU:CD2	3:M:647:GLN:HG2	1.76	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:508:ILE:HG22	3:M:714:ARG:CD	1.77	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.53	1.15
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.15
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.59	1.15
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.14
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.14
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
3:M:626:TYR:HE1	3:M:647:GLN:CD	1.49	1.14
3:M:273:SER:CB	3:M:598:LYS:HD3	1.69	1.14
2:C:40:ASN:ND2	3:M:793:ARG:HH11	1.39	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.46	1.14
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:428:ALA:C	3:M:601:ASP:O	1.84	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
3:M:273:SER:OG	3:M:598:LYS:HD3	1.45	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.14
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:508:ILE:HG22	3:M:766:PHE:CD2	1.83	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:509:GLU:HB3	3:M:714:ARG:HB2	1.26	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:510:TRP:CH2	3:M:711:PHE:HE2	1.66	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:510:TRP:CE3	3:M:766:PHE:HD2	1.61	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:509:GLU:C	3:M:714:ARG:HD3	1.67	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:429:LEU:N	3:M:601:ASP:O	1.81	1.13
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.13
3:M:509:GLU:C	3:M:714:ARG:HB3	1.66	1.12
3:M:510:TRP:CE3	3:M:766:PHE:CD2	2.37	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.70	1.12
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:509:GLU:HG3	3:M:764:LYS:NZ	1.45	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:509:GLU:HG3	3:M:764:LYS:NZ	1.45	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:510:TRP:CH2	3:M:766:PHE:HB3	1.84	1.12
3:M:265:ILE:O	3:M:442:VAL:HG12	1.47	1.12
3:M:602:PRO:CD	3:M:648:THR:HB	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.12
1:B:87:LYS:CD	3:M:829:TRP:CZ2	2.31	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:CE	2.27	1.12
3:M:273:SER:HB3	3:M:598:LYS:CE	1.78	1.12
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:508:ILE:HD11	3:M:714:ARG:CD	1.78	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:273:SER:CB	3:M:598:LYS:HD3	1.70	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.12
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.12
3:M:509:GLU:O	3:M:714:ARG:HB3	0.95	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:CD	3:M:648:THR:HB	1.79	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:510:TRP:HE3	3:M:766:PHE:CD2	1.63	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.11
3:M:503:TYR:CG	3:M:714:ARG:NH1	2.02	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.11
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.11
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.11
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:508:ILE:HG22	3:M:766:PHE:CE2	1.85	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:273:SER:CB	3:M:598:LYS:CG	2.22	1.10
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
3:M:709:LYS:C	3:M:710:GLY:HA2	1.71	1.10
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.39	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
3:M:421:GLN:HG2	3:M:543:PRO:O	0.94	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:506:GLU:CG	3:M:764:LYS:HE3	1.81	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.10
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
3:M:508:ILE:CB	3:M:714:ARG:HH11	1.61	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:626:TYR:HE1	3:M:647:GLN:OE1	1.33	1.09
3:M:273:SER:CB	3:M:598:LYS:HG2	1.82	1.09
3:M:509:GLU:HB2	3:M:714:ARG:HB2	1.18	1.09
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.18	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
2:C:149:VAL:CG2	3:M:797:PHE:CD1	2.33	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:510:TRP:CE3	3:M:711:PHE:CB	2.28	1.09
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
3:M:602:PRO:N	3:M:648:THR:HB	1.65	1.09
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.09
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
3:M:709:LYS:C	3:M:710:GLY:HA2	1.71	1.08
3:M:271:GLU:CG	3:M:476:GLU:HG2	1.80	1.08
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:506:GLU:OE2	3:M:764:LYS:NZ	1.85	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:510:TRP:HA	3:M:766:PHE:CG	1.87	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	1.08
3:M:270:LEU:HG	3:M:285:TYR:CE1	1.88	1.08
3:M:511:GLU:N	3:M:766:PHE:CZ	2.00	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.08
3:M:709:LYS:C	3:M:710:GLY:N	2.07	1.08
3:M:509:GLU:CG	3:M:764:LYS:HG3	1.66	1.08
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.08
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.08
3:M:511:GLU:N	3:M:766:PHE:CZ	2.00	1.08
1:B:87:LYS:CD	3:M:829:TRP:CE2	2.35	1.08
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.68	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.08
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.08
3:M:508:ILE:HG22	3:M:714:ARG:NE	1.68	1.07
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.41	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.07
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.07
3:M:511:GLU:HG3	3:M:766:PHE:CE1	1.89	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
3:M:507:GLY:O	3:M:764:LYS:NZ	1.86	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
3:M:509:GLU:H	3:M:714:ARG:HD2	1.11	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.07
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.07
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.07
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:510:TRP:HB2	3:M:766:PHE:CD2	1.61	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06
3:M:428:ALA:O	3:M:601:ASP:HB3	1.52	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:CB	3:M:714:ARG:HB2	1.84	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:509:GLU:CB	3:M:714:ARG:HB2	1.84	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.06
3:M:510:TRP:HB2	3:M:714:ARG:NE	1.70	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:509:GLU:H	3:M:714:ARG:HB3	1.21	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:725:ARG:NH2	3:M:736:GLN:HE21	1.50	1.06
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.12	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:510:TRP:CB	3:M:714:ARG:CZ	2.31	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:508:ILE:CG2	3:M:714:ARG:HG2	1.86	1.06
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.06
3:M:709:LYS:HA	3:M:768:LYS:HZ1	0.92	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.86	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
2:C:93:VAL:HG11	3:M:726:VAL:HG21	1.31	1.06
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.06
2:C:149:VAL:HG11	3:M:800:ARG:HB3	1.31	1.06
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.43	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:725:ARG:NH2	3:M:736:GLN:NE2	2.02	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:510:TRP:CZ3	3:M:711:PHE:HE2	1.30	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:603:LEU:CD2	3:M:647:GLN:CG	2.31	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:626:TYR:CE1	3:M:647:GLN:OE1	2.08	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:709:LYS:C	3:M:710:GLY:HA2	1.77	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
3:M:273:SER:HB2	3:M:598:LYS:HE2	1.34	1.05
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:508:ILE:HD11	3:M:714:ARG:HD3	1.36	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:510:TRP:CE3	3:M:711:PHE:O	2.08	1.04
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.74	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.74	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:428:ALA:HB2	3:M:600:LYS:HB3	1.36	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.04
3:M:603:LEU:HD22	3:M:647:GLN:CA	1.85	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.04
3:M:508:ILE:HG22	3:M:714:ARG:HD2	1.39	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.04
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.04
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.04
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:509:GLU:O	3:M:714:ARG:HB3	1.25	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.03
3:M:509:GLU:O	3:M:714:ARG:HB3	1.25	1.03
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:510:TRP:N	3:M:714:ARG:HD3	1.37	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.18	1.03
3:M:510:TRP:CZ3	3:M:767:PHE:N	2.25	1.03
3:M:511:GLU:N	3:M:766:PHE:CG	2.01	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ2	1.89	1.03
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
3:M:709:LYS:O	3:M:710:GLY:O	1.75	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.03
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.03
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.47	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:510:TRP:CD2	3:M:711:PHE:CB	2.21	1.02
1:B:101:PHE:CD2	3:M:816:ILE:CD1	2.41	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:508:ILE:HB	3:M:714:ARG:NH1	1.17	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:506:GLU:HG3	3:M:764:LYS:NZ	1.73	1.02
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.36	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.06	1.02
3:M:603:LEU:CD1	3:M:647:GLN:O	0.73	1.02
3:M:510:TRP:NE1	3:M:711:PHE:CD2	2.26	1.02
3:M:511:GLU:CG	3:M:766:PHE:CE1	2.41	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
1:B:87:LYS:HD2	3:M:829:TRP:CZ3	1.92	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:509:GLU:H	3:M:714:ARG:CG	1.73	1.02
3:M:509:GLU:CA	3:M:714:ARG:HD3	1.89	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:507:GLY:C	3:M:764:LYS:HZ2	1.63	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
2:C:149:VAL:HG23	3:M:797:PHE:CE1	1.93	1.02
3:M:506:GLU:HG3	3:M:764:LYS:HE3	1.07	1.02
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:503:TYR:HA	3:M:714:ARG:HH11	1.25	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.48	1.01
3:M:72:VAL:HG13	3:M:76:GLN:HB3	1.36	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
3:M:435:GLU:OE1	3:M:652:LEU:HD13	1.58	1.01
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
3:M:508:ILE:HD13	3:M:766:PHE:HE2	1.22	1.01
3:M:509:GLU:C	3:M:714:ARG:HD3	1.81	1.01
3:M:508:ILE:CG2	3:M:712:PRO:O	2.07	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:508:ILE:CG2	3:M:712:PRO:O	2.07	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.01
3:M:56:GLU:HB2	3:M:59:LYS:HB2	1.40	1.01
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.48	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.01
3:M:508:ILE:C	3:M:714:ARG:HD3	1.66	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.01
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.01
3:M:603:LEU:HD22	3:M:647:GLN:HG2	1.35	1.01
3:M:421:GLN:HG2	3:M:543:PRO:C	1.77	1.01
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.01
3:M:508:ILE:HG23	3:M:766:PHE:CG	1.64	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.00
3:M:510:TRP:HB2	3:M:766:PHE:CD2	1.94	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:510:TRP:HZ3	3:M:767:PHE:N	1.56	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.00
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.00
3:M:509:GLU:HB3	3:M:714:ARG:CB	1.90	1.00
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.00
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.00
3:M:506:GLU:CG	3:M:764:LYS:CE	2.37	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:421:GLN:HG2	3:M:543:PRO:C	1.78	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	1.00
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:511:GLU:CD	3:M:761:GLY:HA3	1.80	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
3:M:98:HIS:HB3	3:M:100:PRO:HD2	1.42	1.00
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	1.00
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	1.98	0.99
3:M:510:TRP:CD2	3:M:711:PHE:O	2.14	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:510:TRP:CE2	3:M:711:PHE:HE2	1.76	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.99
3:M:511:GLU:OE1	3:M:764:LYS:O	1.80	0.99
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.99
2:C:149:VAL:CG2	3:M:797:PHE:CE1	2.45	0.99
3:M:510:TRP:CB	3:M:714:ARG:CZ	2.41	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.98
3:M:510:TRP:NE1	3:M:711:PHE:HD2	1.57	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	1.01	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
3:M:265:ILE:O	3:M:446:ASN:ND2	1.96	0.98
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.98
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.98
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	1.82	0.98
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.98
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	1.00	0.98
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.98
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:508:ILE:HB	3:M:714:ARG:NH1	1.79	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
3:M:540:CYS:HB2	3:M:602:PRO:HG2	1.17	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.32	0.97
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.97
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	1.26	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE2	3:M:711:PHE:CB	1.80	0.97
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.97	0.97
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.52	0.97
3:M:510:TRP:N	3:M:714:ARG:CD	2.23	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.97
1:B:56:ARG:NH2	3:M:837:LYS:CE	2.11	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.53	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.97
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
3:M:510:TRP:CD2	3:M:711:PHE:HD2	1.82	0.97
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.97
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.97
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.97
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
3:M:435:GLU:OE1	3:M:652:LEU:CD1	2.12	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.96
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.73	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:510:TRP:CD2	3:M:711:PHE:CB	2.28	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CD2	3:M:711:PHE:CB	2.28	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
3:M:273:SER:HB3	3:M:598:LYS:HG2	1.33	0.96
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.96
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.96
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.96
3:M:509:GLU:N	3:M:766:PHE:CE1	2.20	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:508:ILE:HD13	3:M:712:PRO:O	1.62	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.96
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.96
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.96
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.99	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.99	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.96
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.96
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.45	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
3:M:273:SER:CB	3:M:598:LYS:HE2	1.92	0.95
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.95
3:M:508:ILE:HD12	3:M:714:ARG:CZ	1.96	0.95
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:509:GLU:HB3	3:M:714:ARG:HB2	0.96	0.95
3:M:510:TRP:HB2	3:M:766:PHE:CE2	2.01	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.95
1:B:56:ARG:HH21	3:M:837:LYS:HE3	0.85	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:540:CYS:HB2	3:M:602:PRO:HG3	1.47	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:HB3	3:M:667:THR:HG21	1.44	0.95
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.95
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.30	0.95
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.95
3:M:510:TRP:CG	3:M:711:PHE:HB2	2.00	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:510:TRP:HZ3	3:M:766:PHE:CA	1.80	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:265:ILE:O	3:M:442:VAL:CG1	2.15	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
3:M:603:LEU:HD12	3:M:647:GLN:O	1.63	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
2:C:110:VAL:HG13	3:M:787:ILE:HD11	1.46	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.55	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.97	0.94
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.71	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:511:GLU:OE1	3:M:761:GLY:HA3	1.68	0.94
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:510:TRP:HB2	3:M:766:PHE:HD2	1.28	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:511:GLU:CG	3:M:766:PHE:HE1	1.78	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
3:M:428:ALA:HB2	3:M:600:LYS:CB	1.77	0.94
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.94
3:M:509:GLU:HB3	3:M:714:ARG:HB2	0.94	0.93
3:M:509:GLU:HB3	3:M:714:ARG:HB2	0.94	0.93
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:508:ILE:HD13	3:M:766:PHE:CE2	2.02	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:603:LEU:HD22	3:M:647:GLN:HB3	1.34	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	1.21	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:263:ALA:HB3	3:M:449:LEU:HB3	1.49	0.93
3:M:510:TRP:CD2	3:M:711:PHE:HE2	1.86	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:509:GLU:CG	3:M:764:LYS:NZ	1.85	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:509:GLU:CG	3:M:764:LYS:NZ	1.85	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:509:GLU:N	3:M:714:ARG:HD2	1.84	0.93
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.93
3:M:508:ILE:CG2	3:M:714:ARG:CG	2.44	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:546:THR:HG22	3:M:548:THR:H	1.32	0.93
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.92
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:510:TRP:CD2	3:M:711:PHE:HE2	1.83	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:725:ARG:HH22	3:M:736:GLN:NE2	1.63	0.92
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
2:C:76:ALA:HA	2:C:79:LYS:HD2	1.46	0.92
3:M:273:SER:CA	3:M:598:LYS:HG2	1.98	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
3:M:447:GLN:O	3:M:450:ASP:HB2	1.69	0.92
3:M:506:GLU:HG3	3:M:764:LYS:HZ2	1.32	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:510:TRP:HE1	3:M:711:PHE:HD2	1.12	0.92
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.92
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.92
3:M:626:TYR:CE1	3:M:647:GLN:CD	2.42	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
1:B:87:LYS:NZ	3:M:829:TRP:HE1	1.55	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
3:M:278:GLN:HG2	3:M:317:GLN:HB2	1.52	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.92
3:M:506:GLU:HG3	3:M:764:LYS:HZ2	1.02	0.92
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.92
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.92
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.53	0.92
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.92
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.92
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.92
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.92
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.92
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.91
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:510:TRP:CE3	3:M:711:PHE:HE2	1.65	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:508:ILE:HA	3:M:714:ARG:HB2	1.48	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.91
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD11	3:M:647:GLN:O	1.12	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:603:LEU:CD2	3:M:647:GLN:O	2.18	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.91
3:M:267:THR:CB	3:M:442:VAL:HG21	2.00	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:447:GLN:O	3:M:450:ASP:HB2	1.68	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.91
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.67	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:508:ILE:CG2	3:M:714:ARG:NE	2.33	0.91
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.91
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
3:M:506:GLU:HG3	3:M:764:LYS:CE	2.00	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.91
3:M:540:CYS:HB3	3:M:602:PRO:HG2	0.93	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:510:TRP:CE3	3:M:711:PHE:HB2	1.98	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.91
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.59	0.90
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.89	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
3:M:431:LYS:HD3	3:M:601:ASP:HA	0.98	0.90
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.99	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:510:TRP:CG	3:M:711:PHE:HB2	2.05	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.90
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.78	0.90
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.90
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.90
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.90
3:M:734:GLU:OE2	3:M:746:LYS:NZ	2.03	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.06	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:C	3:M:710:GLY:CA	2.38	0.90
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
3:M:271:GLU:HG3	3:M:476:GLU:HG2	1.51	0.90
1:B:87:LYS:CE	3:M:829:TRP:CE2	2.48	0.90
3:M:509:GLU:N	3:M:714:ARG:HD3	1.86	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.90
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.90
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.34	0.90
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.28	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.21	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:507:GLY:C	3:M:764:LYS:NZ	2.24	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.90
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.90
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.89
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.89
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.89
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
3:M:271:GLU:CD	3:M:476:GLU:HG2	1.91	0.89
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
2:C:32:ASP:HB3	3:M:799:MET:SD	2.11	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
2:C:93:VAL:HG11	3:M:726:VAL:CG2	2.01	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:731:ALA:O	3:M:732:ILE:N	2.03	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:509:GLU:HG3	3:M:764:LYS:HZ2	0.73	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:509:GLU:HG3	3:M:764:LYS:HZ2	0.73	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
3:M:709:LYS:C	3:M:710:GLY:HA2	1.91	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:511:GLU:CD	3:M:761:GLY:HA3	1.92	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:508:ILE:HD11	3:M:766:PHE:CD1	2.07	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.89
3:M:267:THR:HB	3:M:442:VAL:HG21	1.55	0.89
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
3:M:510:TRP:CE3	3:M:766:PHE:HB3	2.08	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
3:M:509:GLU:N	3:M:714:ARG:CB	2.36	0.88
3:M:508:ILE:HG22	3:M:714:ARG:CD	1.89	0.88
3:M:508:ILE:HG22	3:M:714:ARG:CZ	2.02	0.88
3:M:503:TYR:HA	3:M:714:ARG:NH1	1.84	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CD2	2.07	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:510:TRP:CZ3	3:M:711:PHE:CZ	2.61	0.88
3:M:506:GLU:CG	3:M:764:LYS:HZ2	1.87	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:508:ILE:HG23	3:M:714:ARG:HD3	1.55	0.88
3:M:510:TRP:CD2	3:M:766:PHE:HD2	1.92	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
3:M:709:LYS:C	3:M:710:GLY:HA2	1.94	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.88
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
3:M:510:TRP:CD2	3:M:711:PHE:HE2	1.91	0.88
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.88
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.88
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.87
3:M:510:TRP:NE1	3:M:711:PHE:HD2	1.71	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.87
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.34	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
1:B:87:LYS:HZ2	3:M:829:TRP:HZ2	0.98	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.87
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:506:GLU:CG	3:M:764:LYS:NZ	2.38	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
3:M:603:LEU:HD23	3:M:647:GLN:HB3	1.55	0.87
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.87
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.87
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.87
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.08	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:510:TRP:HB2	3:M:714:ARG:NE	1.90	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:510:TRP:CD2	3:M:711:PHE:CE2	2.62	0.86
3:M:540:CYS:HB3	3:M:602:PRO:CG	1.90	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.86
3:M:510:TRP:CE3	3:M:766:PHE:HB2	2.10	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.86
1:B:87:LYS:HD3	3:M:829:TRP:CE2	2.07	0.86
3:M:509:GLU:CA	3:M:764:LYS:HG3	2.05	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:709:LYS:O	3:M:710:GLY:O	1.93	0.86
3:M:510:TRP:HZ3	3:M:767:PHE:H	0.88	0.86
3:M:732:ILE:CB	3:M:732:ILE:CD1	2.53	0.86
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.86
1:B:34:ILE:HA	1:B:50:THR:HG21	1.55	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:508:ILE:HB	3:M:714:ARG:HH11	1.41	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.86
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
3:M:310:TYR:CZ	3:M:320:ILE:HD11	2.11	0.86
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.86
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:709:LYS:C	3:M:710:GLY:N	2.30	0.86
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.86
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.86
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.04	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.85
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.85
3:M:431:LYS:NZ	3:M:597:GLU:C	2.22	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:602:PRO:HD2	3:M:648:THR:HB	1.56	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:732:ILE:CD1	3:M:732:ILE:CB	2.53	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:755:HIS:HA	3:M:758:TYR:CE1	2.10	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
3:M:72:VAL:CG1	3:M:76:GLN:HB3	2.05	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
3:M:503:TYR:HB3	3:M:714:ARG:HH11	1.06	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:509:GLU:HB2	3:M:764:LYS:HG3	0.85	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.64	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.85
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.85
2:C:110:VAL:CG1	3:M:787:ILE:HD11	2.06	0.85
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.85
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.85
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.85
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.85
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.85
3:M:510:TRP:CE2	3:M:711:PHE:HD2	1.37	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:510:TRP:HZ3	3:M:766:PHE:CB	1.48	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:509:GLU:HB3	3:M:714:ARG:CG	2.06	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:143:ASP:HB2	1:B:149:ASP:HB2	1.56	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.84
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.84
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.84
3:M:270:LEU:C	3:M:285:TYR:CE1	2.46	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:511:GLU:CB	3:M:766:PHE:CE1	2.60	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
3:M:603:LEU:HD13	3:M:648:THR:N	1.91	0.84
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.84
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:509:GLU:H	3:M:714:ARG:HB2	1.41	0.84
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.84
1:B:144:VAL:HA	1:B:148:VAL:HA	1.55	0.84
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.84
3:M:428:ALA:C	3:M:601:ASP:C	2.31	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
1:B:128:PHE:CE2	3:M:821:ARG:CZ	2.59	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:508:ILE:CD1	3:M:714:ARG:CZ	2.55	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:431:LYS:HD3	3:M:601:ASP:H	1.39	0.84
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.84
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.92	0.83
3:M:503:TYR:HB3	3:M:714:ARG:NH1	1.92	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:436:LYS:HE3	3:M:652:LEU:HD21	1.59	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:724:TYR:CE1	3:M:775:LEU:HB3	2.12	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.83
3:M:509:GLU:H	3:M:714:ARG:CD	1.89	0.83
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.42	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.83
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.83
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.83
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.83
3:M:508:ILE:CG2	3:M:766:PHE:CE2	2.61	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:265:ILE:C	3:M:442:VAL:CG1	2.46	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:510:TRP:H	3:M:714:ARG:HH11	1.27	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:510:TRP:H	3:M:714:ARG:HH11	1.27	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:509:GLU:H	3:M:766:PHE:HZ	1.26	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.83
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.83
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:510:TRP:NE1	3:M:711:PHE:N	2.26	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.83
3:M:508:ILE:CG2	3:M:714:ARG:CD	2.57	0.83
3:M:709:LYS:HA	3:M:768:LYS:NZ	1.93	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.83
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.83
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:510:TRP:HZ3	3:M:766:PHE:CA	1.91	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:648:THR:CG2	3:M:651:ALA:HB2	2.08	0.82
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.38	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	2.00	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
3:M:510:TRP:HE3	3:M:766:PHE:CG	1.96	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
3:M:541:MET:HG3	3:M:602:PRO:HB3	1.61	0.82
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.82
3:M:244:SER:OG	3:M:246:PHE:N	2.11	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:510:TRP:CE2	3:M:711:PHE:HE2	1.96	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:511:GLU:OE2	3:M:761:GLY:HA3	1.79	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.09	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:508:ILE:C	3:M:714:ARG:HD2	1.82	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:603:LEU:HD22	3:M:647:GLN:C	1.99	0.82
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.82
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.82
3:M:508:ILE:HG21	3:M:712:PRO:O	1.79	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.61	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.61	0.82
3:M:510:TRP:CE3	3:M:711:PHE:CD2	2.68	0.82
3:M:508:ILE:HG21	3:M:712:PRO:O	1.79	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.61	0.82
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.82
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.61	0.82
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.82
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.82
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.82
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:279:LEU:HB2	3:M:282:GLU:HG3	1.60	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
3:M:418:THR:HB	3:M:421:GLN:HG3	1.59	0.81
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.81
3:M:508:ILE:HA	3:M:714:ARG:CB	2.10	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
1:B:34:ILE:CD1	3:M:834:LEU:CD2	2.57	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:503:TYR:CA	3:M:714:ARG:NH1	2.40	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:271:GLU:OE2	3:M:476:GLU:HG2	1.80	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:508:ILE:CB	3:M:714:ARG:NH1	2.42	0.81
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:480:ILE:HG22	3:M:481:ASN:HD22	1.45	0.81
3:M:510:TRP:HZ3	3:M:766:PHE:C	1.83	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:503:TYR:HB3	3:M:714:ARG:HH12	1.46	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:510:TRP:CD2	3:M:766:PHE:CD2	2.48	0.81
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.81
3:M:503:TYR:HB3	3:M:714:ARG:HH12	1.46	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.81
3:M:503:TYR:CA	3:M:714:ARG:NH1	2.33	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:127:ASN:HD22	3:M:128:PRO:HD2	1.45	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:603:LEU:HD21	3:M:647:GLN:HG2	1.60	0.81
3:M:271:GLU:HG3	3:M:476:GLU:CG	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:508:ILE:HD13	3:M:712:PRO:O	1.80	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
3:M:509:GLU:O	3:M:766:PHE:CD1	2.15	0.81
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.81
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
1:B:136:MET:SD	3:M:820:VAL:HG11	2.20	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
3:M:447:GLN:O	3:M:450:ASP:CB	2.28	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
1:B:34:ILE:CD1	3:M:834:LEU:HD21	2.10	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.80
2:C:93:VAL:CG1	3:M:726:VAL:HG21	2.08	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
3:M:510:TRP:CZ2	3:M:711:PHE:CE2	2.70	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:273:SER:HA	3:M:598:LYS:HG2	1.60	0.80
3:M:510:TRP:HB2	3:M:714:ARG:NH2	1.97	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.63	0.80
3:M:503:TYR:HA	3:M:714:ARG:NH1	1.96	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.63	0.80
3:M:508:ILE:CG2	3:M:714:ARG:CZ	2.59	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.63	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.63	0.80
3:M:508:ILE:HG23	3:M:766:PHE:HD1	1.39	0.80
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.80
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.63	0.80
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.16	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
3:M:232:PHE:CZ	3:M:287:ILE:HD13	2.16	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.16	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.80
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.80
3:M:509:GLU:N	3:M:766:PHE:HZ	1.78	0.80
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.80
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.80
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.80
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:506:GLU:HB3	3:M:764:LYS:HE3	1.64	0.79
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
1:B:84:PHE:HD2	3:M:829:TRP:CH2	1.98	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
2:C:25:ILE:HB	2:C:68:PHE:CZ	2.17	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.79
2:C:149:VAL:HG23	3:M:797:PHE:HD1	1.39	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:506:GLU:CG	3:M:764:LYS:HZ2	1.91	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.13	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:709:LYS:O	3:M:710:GLY:C	2.21	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.79
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.79
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:509:GLU:O	3:M:766:PHE:CG	2.19	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:374:GLN:HG3	3:M:375:ALA:N	1.96	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.66	0.78
3:M:292:MET:HE3	3:M:309:PRO:HA	1.63	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:292:MET:HE3	3:M:309:PRO:HA	1.63	0.78
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.66	0.78
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.66	0.78
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.66	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:292:MET:HE3	3:M:309:PRO:HA	1.63	0.78
3:M:107:LYS:HB2	3:M:686:MET:HE2	1.66	0.78
3:M:292:MET:HE3	3:M:309:PRO:HA	1.63	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
2:C:39:GLN:HB2	2:C:79:LYS:HD3	1.63	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:174:SER:CB	3:M:667:THR:HG21	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:509:GLU:OE1	3:M:761:GLY:O	1.89	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
1:B:34:ILE:HD11	3:M:834:LEU:CD2	2.12	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
3:M:648:THR:HG22	3:M:651:ALA:HB2	1.62	0.78
3:M:447:GLN:O	3:M:450:ASP:CA	2.31	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:291:ILE:HA	3:M:331:LEU:HD11	1.64	0.78
3:M:481:ASN:N	3:M:481:ASN:HD22	1.81	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:481:ASN:N	3:M:481:ASN:HD22	1.81	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.78
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
3:M:430:ALA:N	3:M:601:ASP:O	2.17	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.78
3:M:510:TRP:CH2	3:M:711:PHE:CZ	2.72	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:510:TRP:N	3:M:714:ARG:NH1	2.25	0.77
3:M:508:ILE:HG12	3:M:766:PHE:HZ	1.49	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:510:TRP:N	3:M:714:ARG:NH1	2.25	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:430:ALA:N	3:M:601:ASP:O	2.16	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.66	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:509:GLU:O	3:M:766:PHE:CD1	2.37	0.77
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.66	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.66	0.77
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.66	0.77
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.66	0.77
3:M:510:TRP:CE3	3:M:711:PHE:HB3	1.52	0.77
2:C:149:VAL:HG21	3:M:797:PHE:CD1	2.17	0.77
3:M:509:GLU:CB	3:M:714:ARG:HG3	2.15	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:511:GLU:OE2	3:M:761:GLY:HA3	1.84	0.77
3:M:509:GLU:O	3:M:714:ARG:CD	2.28	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.77
3:M:263:ALA:N	3:M:449:LEU:O	2.17	0.77
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.77
3:M:510:TRP:CH2	3:M:711:PHE:HZ	1.94	0.77
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.77
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.77
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:709:LYS:C	3:M:710:GLY:O	2.22	0.77
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:51:THR:O	3:M:62:VAL:HG13	1.84	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:508:ILE:HG23	3:M:766:PHE:CG	1.91	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.77
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.77
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.77
3:M:509:GLU:HB2	3:M:764:LYS:CB	2.15	0.77
3:M:511:GLU:CA	3:M:766:PHE:CD1	2.68	0.77
3:M:508:ILE:HD11	3:M:714:ARG:HD3	0.87	0.76
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.72	0.76
1:B:56:ARG:HH21	3:M:837:LYS:NZ	1.81	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:496:PHE:CD2	3:M:514:ASP:HA	2.19	0.76
3:M:481:ASN:N	3:M:481:ASN:HD22	1.81	0.76
3:M:481:ASN:N	3:M:481:ASN:HD22	1.81	0.76
3:M:481:ASN:N	3:M:481:ASN:HD22	1.81	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.81	0.76
3:M:481:ASN:N	3:M:481:ASN:HD22	1.81	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:508:ILE:CD1	3:M:714:ARG:NE	2.48	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:510:TRP:HB2	3:M:714:ARG:CZ	2.15	0.76
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.76
3:M:506:GLU:CD	3:M:764:LYS:NZ	2.38	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.76
3:M:603:LEU:CD2	3:M:647:GLN:C	2.53	0.76
3:M:481:ASN:N	3:M:481:ASN:HD22	1.82	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76
3:M:481:ASN:HD22	3:M:481:ASN:N	1.82	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.76
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.75
3:M:508:ILE:CG2	3:M:714:ARG:HD2	2.16	0.75
3:M:116:TYR:O	3:M:153:PRO:HB2	1.85	0.75
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:266:GLU:CA	3:M:442:VAL:CG1	2.39	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:263:ALA:N	3:M:449:LEU:O	2.18	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
3:M:94:MET:CE	3:M:101:ALA:HB1	2.15	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:510:TRP:CZ3	3:M:766:PHE:HB3	2.18	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.75
3:M:509:GLU:CD	3:M:764:LYS:O	2.25	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:432:ALA:H	3:M:601:ASP:HB3	1.51	0.75
3:M:310:TYR:CE2	3:M:320:ILE:HD11	2.22	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:664:LEU:O	3:M:667:THR:HB	1.86	0.75
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
3:M:709:LYS:CA	3:M:768:LYS:HZ1	1.87	0.74
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:94:MET:CE	3:M:101:ALA:HB1	2.16	0.74
3:M:508:ILE:HB	3:M:714:ARG:NH1	1.87	0.74
3:M:508:ILE:HD11	3:M:714:ARG:HD3	1.69	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
3:M:245:ARG:HB2	3:M:270:LEU:C	2.08	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:510:TRP:H	3:M:714:ARG:NH1	1.85	0.74
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.74
3:M:508:ILE:HG21	3:M:712:PRO:O	1.88	0.74
3:M:509:GLU:HG3	3:M:764:LYS:HG2	0.77	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:510:TRP:H	3:M:714:ARG:NH1	1.85	0.74
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.74
3:M:503:TYR:CB	3:M:714:ARG:HH12	2.00	0.74
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.74
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.74
3:M:503:TYR:CB	3:M:714:ARG:HH12	2.00	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.74
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.74
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:510:TRP:HZ3	3:M:766:PHE:CA	2.01	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.73
3:M:507:GLY:HA2	3:M:764:LYS:HZ1	1.52	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.73
3:M:511:GLU:HG3	3:M:766:PHE:HE1	1.33	0.73
3:M:509:GLU:CB	3:M:714:ARG:CG	2.59	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:292:MET:HE3	3:M:309:PRO:HA	1.68	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.70	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:270:LEU:C	3:M:285:TYR:HE1	1.90	0.73
3:M:578:HIS:HD2	3:M:591:ASN:HA	1.52	0.73
3:M:441:MET:O	3:M:445:ILE:HG13	1.88	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.53	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.76	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.73
3:M:509:GLU:CA	3:M:766:PHE:CE1	2.72	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.22	0.73
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:432:ALA:H	3:M:601:ASP:HB3	1.52	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.73
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:503:TYR:CG	3:M:714:ARG:CZ	2.72	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:709:LYS:CA	3:M:768:LYS:HZ1	2.00	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:350:ALA:O	3:M:354:LEU:HB2	1.87	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:509:GLU:N	3:M:714:ARG:CD	2.49	0.73
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.73
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.73
3:M:273:SER:HG	3:M:598:LYS:HD3	1.52	0.73
3:M:273:SER:HG	3:M:598:LYS:HD3	1.52	0.73
3:M:510:TRP:HZ3	3:M:766:PHE:C	1.91	0.73
3:M:709:LYS:HA	3:M:768:LYS:HZ1	1.53	0.73
3:M:273:SER:HG	3:M:598:LYS:HD3	1.52	0.73
3:M:273:SER:HG	3:M:598:LYS:HD3	1.52	0.73
3:M:273:SER:HG	3:M:598:LYS:HD3	1.52	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.73
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.67	0.73
3:M:708:ARG:O	3:M:768:LYS:NZ	2.22	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:519:LEU:N	3:M:519:LEU:HD12	2.04	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
1:B:128:PHE:CE1	3:M:817:GLN:HG2	2.23	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.73
3:M:519:LEU:N	3:M:519:LEU:HD12	2.04	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.73
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.71	0.73
3:M:618:THR:O	3:M:622:LEU:HD13	1.89	0.73
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:508:ILE:CG2	3:M:714:ARG:NH1	2.52	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.89	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72
3:M:709:LYS:O	3:M:710:GLY:C	2.27	0.72
3:M:131:TRP:C	3:M:132:LEU:HD12	2.09	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.55	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.68	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.72
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.72
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.24	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.24	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.24	0.72
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.72
3:M:536:LEU:HD13	3:M:550:PHE:CZ	2.24	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:21:GLU:O	3:M:25:ILE:HG13	1.89	0.72
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.72
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.24	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:N	3:M:519:LEU:HD12	2.04	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:N	3:M:519:LEU:HD12	2.04	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:510:TRP:CE3	3:M:766:PHE:CB	2.73	0.72
3:M:270:LEU:HG	3:M:285:TYR:HE1	1.46	0.72
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:618:THR:O	3:M:622:LEU:HD13	1.90	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:510:TRP:CB	3:M:766:PHE:CE2	2.73	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.72
3:M:290:GLN:C	3:M:331:LEU:HD12	2.09	0.72
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:519:LEU:HD12	3:M:519:LEU:N	2.04	0.72
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.71	0.72
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.71	0.72
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.71	0.72
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.71	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.71	0.72
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.72
3:M:503:TYR:HE1	3:M:714:ARG:NH2	1.87	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.72
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.72
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.72
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.72
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.72
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:510:TRP:HB2	3:M:714:ARG:CZ	2.20	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:237:THR:HG22	3:M:239:ARG:H	1.54	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:487:LEU:O	3:M:490:PHE:HB3	1.88	0.71
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.71
3:M:802:GLU:O	3:M:806:MET:HG3	1.89	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:508:ILE:HG21	3:M:766:PHE:CD2	2.23	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.03	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:510:TRP:HZ3	3:M:766:PHE:HB3	0.98	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:244:SER:CB	3:M:246:PHE:N	2.53	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:245:ARG:HD3	3:M:271:GLU:OE1	1.90	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:709:LYS:C	3:M:710:GLY:O	2.28	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:507:GLY:CA	3:M:764:LYS:NZ	2.53	0.71
3:M:731:ALA:CA	3:M:732:ILE:N	2.49	0.71
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.71
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:36:SER:O	3:M:52:ILE:HG12	1.89	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
3:M:176:LEU:N	3:M:176:LEU:HD12	2.05	0.71
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.71
3:M:176:LEU:HD12	3:M:176:LEU:N	2.05	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.71
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.71
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.71
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.71
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.71
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.71
3:M:506:GLU:CB	3:M:764:LYS:HE3	2.21	0.71
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:295:LYS:HG2	3:M:332:MET:CE	2.20	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:709:LYS:HA	3:M:768:LYS:NZ	2.06	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:509:GLU:N	3:M:714:ARG:HB3	2.02	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:511:GLU:N	3:M:766:PHE:CE1	2.54	0.70
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.57	0.70
3:M:754:ASP:HB3	3:M:757:GLN:HG2	1.72	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:503:TYR:HA	3:M:714:ARG:HH11	1.56	0.70
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.57	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.70
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.57	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.70
3:M:428:ALA:O	3:M:601:ASP:CB	2.33	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.57	0.70
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:510:TRP:CE2	3:M:711:PHE:CE2	2.80	0.70
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.70
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
3:M:762:HIS:CD2	3:M:762:HIS:H	2.08	0.70
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.70
1:B:101:PHE:CD2	3:M:816:ILE:HD11	2.23	0.70
3:M:508:ILE:HB	3:M:714:ARG:HH11	0.87	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.70
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.70
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.70
3:M:578:HIS:HB2	3:M:592:ILE:HD12	1.74	0.70
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.70
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.92	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70
3:M:578:HIS:CB	3:M:592:ILE:HD12	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
3:M:267:THR:HB	3:M:442:VAL:CG2	2.21	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:36:GLN:NE2	1:B:49:GLU:HB2	2.06	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:510:TRP:N	3:M:714:ARG:HH11	1.86	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:510:TRP:N	3:M:714:ARG:HH11	1.86	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
1:B:128:PHE:CE1	3:M:817:GLN:CG	2.74	0.69
1:B:128:PHE:CD1	3:M:817:GLN:HG2	2.26	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:274:ARG:NH2	3:M:282:GLU:OE1	2.24	0.69
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.50	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:508:ILE:CG2	3:M:714:ARG:HD3	2.22	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.69
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.69
2:C:93:VAL:CG1	3:M:726:VAL:CG2	2.66	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:266:GLU:HA	3:M:442:VAL:HG11	0.73	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:510:TRP:CZ2	3:M:711:PHE:HE2	2.04	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.92	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
2:C:61:LYS:HD2	2:C:71:MET:HG3	1.73	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.69
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.69
3:M:508:ILE:HB	3:M:714:ARG:HH12	1.58	0.69
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
1:B:34:ILE:HD13	3:M:834:LEU:CD2	2.21	0.69
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.69
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.69
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.73	0.69
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.69
3:M:244:SER:CA	3:M:246:PHE:N	2.56	0.69
3:M:123:CYS:HB2	3:M:158:ILE:CD1	2.23	0.69
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.69
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.69
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.60	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.69
3:M:509:GLU:O	3:M:714:ARG:HB3	1.92	0.69
3:M:264:ASP:HA	3:M:446:ASN:CB	2.23	0.69
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.69
3:M:14:ALA:HB3	3:M:15:PRO:HD3	1.72	0.69
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.69
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.69
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.69
3:M:762:HIS:H	3:M:762:HIS:CD2	2.08	0.69
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:709:LYS:C	3:M:710:GLY:HA2	2.12	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:62:VAL:HG12	3:M:63:LYS:O	1.93	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:267:THR:OG1	3:M:442:VAL:CG2	2.41	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:810:ARG:HG2	3:M:810:ARG:HH11	1.57	0.68
3:M:510:TRP:CA	3:M:766:PHE:CG	2.42	0.68
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.92	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:15:VAL:HG13	1:B:85:GLY:HA3	1.74	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:218:LEU:HA	3:M:221:GLN:HG3	1.75	0.68
3:M:546:THR:HG22	3:M:548:THR:N	2.05	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
3:M:266:GLU:N	3:M:442:VAL:CG1	2.56	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:533:PHE:O	3:M:537:GLU:HG2	1.93	0.68
3:M:787:ILE:HG22	3:M:788:THR:N	2.06	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:509:GLU:N	3:M:714:ARG:HB2	2.04	0.68
3:M:510:TRP:CZ3	3:M:766:PHE:CB	2.74	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
3:M:509:GLU:CA	3:M:714:ARG:HD3	2.22	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.09	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:123:CYS:HB2	3:M:158:ILE:HD11	1.73	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:431:LYS:CD	3:M:601:ASP:H	2.05	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:435:GLU:OE1	3:M:652:LEU:HD12	1.93	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:510:TRP:CE2	3:M:711:PHE:HE2	2.11	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.92	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
1:B:34:ILE:HD11	3:M:834:LEU:HD23	1.73	0.68
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.68
3:M:810:ARG:HH11	3:M:810:ARG:HG2	1.57	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:652:LEU:O	3:M:655:GLU:N	2.27	0.68
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:503:TYR:CD1	3:M:714:ARG:NH2	2.61	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.68
3:M:510:TRP:CE2	3:M:711:PHE:CA	2.76	0.68
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.68
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.68
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.68
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.92	0.68
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.68
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.68
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.68
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.68
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.68
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.93	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:509:GLU:CB	3:M:766:PHE:CE1	2.77	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.67
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.74	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:550:PHE:HE2	3:M:592:ILE:HG23	1.59	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.67
3:M:508:ILE:O	3:M:764:LYS:HE3	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.67
3:M:652:LEU:O	3:M:655:GLU:N	2.26	0.67
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:72:VAL:HG13	3:M:76:GLN:CB	2.19	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.76	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
1:B:111:SER:HB2	1:B:150:TYR:HD1	1.58	0.67
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.76	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.67
2:C:116:GLU:HB2	3:M:791:GLN:OE1	1.93	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.76	0.67
3:M:267:THR:N	3:M:442:VAL:HG21	2.08	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.76	0.67
3:M:271:GLU:CG	3:M:476:GLU:CG	2.65	0.67
3:M:166:MET:HE1	3:M:254:PHE:HB2	1.76	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
1:B:126:ASP:HA	2:C:21:GLY:HA3	1.75	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:62:VAL:HG12	3:M:63:LYS:O	1.94	0.67
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.92	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:506:GLU:OE2	3:M:764:LYS:NZ	2.27	0.67
3:M:61:THR:HG23	3:M:71:THR:OG1	1.94	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.30	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.30	0.67
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.67
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.30	0.67
3:M:52:ILE:N	3:M:52:ILE:HD13	2.08	0.67
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.30	0.67
3:M:52:ILE:HD13	3:M:52:ILE:N	2.08	0.67
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.30	0.67
3:M:709:LYS:O	3:M:768:LYS:HE2	1.95	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
1:B:87:LYS:CD	3:M:829:TRP:CD2	2.71	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.67
3:M:506:GLU:HG3	3:M:764:LYS:HE3	1.77	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.77	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:506:GLU:CB	3:M:764:LYS:HE3	2.24	0.67
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.93	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:802:GLU:HA	3:M:802:GLU:OE1	1.93	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:648:THR:HG23	3:M:651:ALA:H	1.59	0.67
3:M:807:VAL:O	3:M:810:ARG:HB2	1.93	0.67
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.67
3:M:58:GLY:HA2	3:M:74:GLU:OE1	1.95	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.67
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.67
3:M:266:GLU:N	3:M:442:VAL:HG11	2.10	0.67
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.67
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:709:LYS:C	3:M:710:GLY:HA2	2.15	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
3:M:735:GLY:HA2	3:M:738:MET:CE	2.25	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:802:GLU:OE1	3:M:802:GLU:HA	1.93	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.26	0.66
3:M:546:THR:H	3:M:549:SER:HB3	1.59	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:735:GLY:HA2	3:M:738:MET:CE	2.24	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:815:CYS:O	3:M:819:ASN:HB2	1.93	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.96	0.66
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.66
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:603:LEU:CD1	3:M:647:GLN:C	1.81	0.66
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.66
3:M:480:ILE:HG22	3:M:481:ASN:ND2	2.09	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
2:C:25:ILE:HB	2:C:68:PHE:HZ	1.55	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.66
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.61	0.66
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.66
3:M:508:ILE:HG22	3:M:712:PRO:O	1.90	0.66
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
1:B:128:PHE:CE2	3:M:821:ARG:NH2	2.60	0.66
3:M:508:ILE:HG22	3:M:712:PRO:O	1.90	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
1:B:84:PHE:CD2	3:M:829:TRP:CH2	2.82	0.66
3:M:510:TRP:CE3	3:M:711:PHE:C	2.65	0.66
3:M:290:GLN:O	3:M:331:LEU:HD12	1.95	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.66
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.66
3:M:431:LYS:CD	3:M:601:ASP:CA	2.26	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
2:C:102:VAL:HG11	2:C:107:LEU:HG	1.76	0.66
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.66
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.66
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.60	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:78:PHE:HB3	3:M:98:HIS:CD2	2.30	0.66
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:431:LYS:HD2	3:M:601:ASP:HA	1.67	0.66
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.66
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:724:TYR:HD1	3:M:727:LEU:HD11	1.61	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:511:GLU:OE2	3:M:761:GLY:CA	2.44	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
2:C:102:VAL:HB	2:C:137:ILE:HG13	1.77	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE3	3:M:711:PHE:HB3	1.81	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:509:GLU:C	3:M:714:ARG:CD	2.57	0.65
3:M:56:GLU:CB	3:M:59:LYS:HB2	2.20	0.65
3:M:174:SER:O	3:M:670:HIS:HB2	1.95	0.65
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.26	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.65
3:M:131:TRP:O	3:M:132:LEU:HD12	1.95	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
1:B:87:LYS:CD	3:M:829:TRP:CH2	2.50	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.10	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.10	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
3:M:508:ILE:HG22	3:M:714:ARG:NE	2.09	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
3:M:271:GLU:CG	3:M:476:GLU:CG	2.64	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:91:MET:HE3	3:M:119:SER:HB2	1.77	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
3:M:91:MET:HE3	3:M:119:SER:HB2	1.77	0.65
3:M:91:MET:HE3	3:M:119:SER:HB2	1.77	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65
3:M:91:MET:HE3	3:M:119:SER:HB2	1.77	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
3:M:91:MET:HE3	3:M:119:SER:HB2	1.77	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
1:B:34:ILE:HD13	3:M:834:LEU:HD21	1.75	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:226:ASN:HB2	3:M:227:PRO:HD3	1.78	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.27	0.65
3:M:691:VAL:O	3:M:695:LEU:HD13	1.97	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:508:ILE:HD12	3:M:714:ARG:NH1	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:418:THR:HG22	3:M:419:VAL:N	2.11	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.65
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:508:ILE:HG22	3:M:712:PRO:O	1.89	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.42	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.65
3:M:511:GLU:CA	3:M:766:PHE:CE1	2.56	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:510:TRP:CB	3:M:766:PHE:CD2	2.75	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.65
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.65
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.65
2:C:50:LEU:HD13	2:C:71:MET:SD	2.36	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.65
3:M:709:LYS:HA	3:M:768:LYS:HZ3	1.60	0.65
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:322:VAL:HB	3:M:325:ILE:CD1	2.26	0.65
3:M:511:GLU:CD	3:M:766:PHE:HE1	2.00	0.65
3:M:107:LYS:HB2	3:M:686:MET:CE	2.26	0.65
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.62	0.65
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:506:GLU:CG	3:M:764:LYS:HZ2	2.10	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.65
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.65
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.32	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
1:B:118:GLU:HG2	1:B:137:TRP:CZ2	2.31	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
3:M:466:GLY:HA2	3:M:484:ASN:HD21	1.61	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:708:ARG:O	3:M:768:LYS:NZ	2.30	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:708:ARG:O	3:M:768:LYS:NZ	2.30	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
1:B:67:MET:SD	3:M:830:PRO:CB	2.85	0.64
3:M:161:ASN:O	3:M:165:PHE:HB2	1.96	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:374:GLN:HG3	3:M:375:ALA:H	1.59	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:219:GLU:O	3:M:223:ILE:HG13	1.97	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:466:GLY:HA2	3:M:484:ASN:ND2	2.12	0.64
3:M:479:CYS:HB3	3:M:653:PHE:CE2	2.33	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
3:M:691:VAL:O	3:M:695:LEU:HD13	1.96	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
3:M:144:ARG:NH1	3:M:160:ASP:OD1	2.29	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.97	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:111:SER:HB2	1:B:150:TYR:CD1	2.31	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.64
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.97	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:267:THR:CB	3:M:442:VAL:CG2	2.73	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:506:GLU:CB	3:M:764:LYS:HE3	2.25	0.64
1:B:56:ARG:NH2	3:M:837:LYS:NZ	2.40	0.64
3:M:709:LYS:C	3:M:710:GLY:HA2	2.16	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.64
3:M:480:ILE:HG22	3:M:481:ASN:N	2.11	0.64
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:506:GLU:HG3	3:M:764:LYS:HE3	0.65	0.64
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.44	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.79	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.79	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.79	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.79	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.64
3:M:709:LYS:O	3:M:768:LYS:HE2	1.98	0.64
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.79	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.64
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:579:PHE:HD2	3:M:592:ILE:HD11	1.60	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.64
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.64
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:N	3:M:783:LEU:HD12	2.13	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:783:LEU:N	3:M:783:LEU:HD12	2.13	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
2:C:50:LEU:HD13	2:C:71:MET:SD	2.37	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.64
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.64
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.64
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.64
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:510:TRP:H	3:M:714:ARG:HD3	1.57	0.63
3:M:510:TRP:CB	3:M:714:ARG:NH2	2.60	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.63
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:511:GLU:CB	3:M:766:PHE:CD1	2.81	0.63
3:M:406:VAL:HG12	3:M:407:LYS:N	2.13	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:278:GLN:CG	3:M:317:GLN:HB2	2.27	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.63
3:M:133:PRO:O	3:M:136:ASN:HB2	1.98	0.63
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
1:B:128:PHE:CZ	3:M:821:ARG:NH1	2.64	0.63
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.63
3:M:783:LEU:N	3:M:783:LEU:HD12	2.13	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.63
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
3:M:435:GLU:CD	3:M:652:LEU:HD13	2.18	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.36	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
1:B:128:PHE:CE2	3:M:821:ARG:NE	2.65	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH12	1.31	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
2:C:91:LEU:HB3	2:C:139:TYR:CD2	2.32	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:510:TRP:CD2	3:M:711:PHE:HB2	1.36	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.79	0.63
1:B:67:MET:SD	3:M:830:PRO:HB3	2.37	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:436:LYS:CE	3:M:652:LEU:HD21	2.26	0.63
3:M:508:ILE:HG12	3:M:766:PHE:CZ	2.34	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.63
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.63
2:C:131:GLU:HB3	2:C:137:ILE:HG23	1.78	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.63
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.63
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.63
3:M:509:GLU:OE2	3:M:764:LYS:HB3	1.99	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:507:GLY:CA	3:M:764:LYS:HZ1	2.11	0.63
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.63
3:M:509:GLU:OE2	3:M:764:LYS:HB3	1.99	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.63
3:M:783:LEU:N	3:M:783:LEU:HD12	2.13	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.62	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.62	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.62	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.62	0.63
3:M:822:SER:O	3:M:825:ASN:HB2	1.97	0.63
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.80	0.63
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.63
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.62	0.63
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.63
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.63
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.81	0.63
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:91:MET:HE3	3:M:119:SER:HB2	1.79	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:91:MET:HE3	3:M:119:SER:HB2	1.79	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:91:MET:HE3	3:M:119:SER:HB2	1.79	0.63
3:M:265:ILE:HD12	3:M:445:ILE:CG2	2.28	0.63
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.63
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.63
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.63
3:M:91:MET:HE3	3:M:119:SER:HB2	1.79	0.63
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.63
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.63
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:806:MET:O	3:M:809:ARG:HB2	1.98	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:274:ARG:HB2	3:M:285:TYR:CE2	2.34	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:141:LEU:HD12	3:M:141:LEU:H	1.64	0.62
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.62
3:M:270:LEU:HG	3:M:285:TYR:CD1	2.33	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.62
3:M:374:GLN:HG3	3:M:375:ALA:H	1.60	0.62
3:M:506:GLU:HG2	3:M:766:PHE:HE1	1.64	0.62
3:M:717:TYR:HD1	3:M:744:SER:HG	1.47	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.14	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:783:LEU:N	3:M:783:LEU:HD12	2.13	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
3:M:94:MET:HE1	3:M:101:ALA:HB1	1.80	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:161:ASN:HA	3:M:164:GLN:HE21	1.63	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.65	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.65	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
1:B:101:PHE:CZ	3:M:816:ILE:HD13	2.27	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.62
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.65	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.65	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.65	0.62
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:431:LYS:CD	3:M:601:ASP:N	2.48	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:302:MET:HG2	3:M:303:LEU:CD1	2.30	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.62
3:M:141:LEU:HD12	3:M:141:LEU:H	1.64	0.62
3:M:508:ILE:CG1	3:M:766:PHE:CZ	2.82	0.62
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.62
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.62
2:C:116:GLU:HB3	3:M:795:ARG:NH2	2.13	0.62
3:M:428:ALA:C	3:M:601:ASP:HB3	2.18	0.62
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
1:B:136:MET:SD	3:M:820:VAL:CG1	2.86	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:510:TRP:CD2	3:M:711:PHE:HD2	2.13	0.62
1:B:104:LEU:HD13	1:B:117:LEU:HD21	1.79	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:508:ILE:CD1	3:M:712:PRO:O	2.42	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:580:SER:HA	3:M:588:VAL:O	1.98	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.62
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.62
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.62
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.62
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:508:ILE:CG2	3:M:766:PHE:CD2	2.77	0.62
3:M:783:LEU:HD12	3:M:783:LEU:N	2.13	0.62
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.82	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.31	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.82	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.62
3:M:508:ILE:HG22	3:M:714:ARG:NH1	2.14	0.62
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.62
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.62
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.62
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.82	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:709:LYS:C	3:M:710:GLY:HA2	2.19	0.62
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.82	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.82	0.62
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.62
3:M:771:LEU:O	3:M:774:LEU:N	2.32	0.62
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
3:M:251:ARG:HB2	3:M:264:ASP:CB	2.29	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:728:ASN:O	3:M:730:SER:N	2.32	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:557:GLN:HG3	3:M:557:GLN:O	2.00	0.61
3:M:557:GLN:HG3	3:M:557:GLN:O	2.00	0.61
2:C:94:PHE:CE2	3:M:783:LEU:HD23	2.34	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.61
1:B:123:THR:O	2:C:19:ARG:HA	2.00	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:709:LYS:O	3:M:710:GLY:C	2.38	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:154:HIS:CE1	3:M:156:PHE:CD2	2.88	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:709:LYS:C	3:M:710:GLY:C	2.58	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:127:ASN:HD22	3:M:128:PRO:CD	2.11	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.33	0.61
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.25	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:506:GLU:HG2	3:M:766:PHE:CE1	2.35	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
3:M:709:LYS:O	3:M:768:LYS:NZ	2.34	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:509:GLU:OE1	3:M:764:LYS:O	2.18	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.61
3:M:717:TYR:HD1	3:M:744:SER:HG	1.46	0.61
3:M:278:GLN:HG3	3:M:318:GLY:N	2.14	0.61
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.47	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.30	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:503:TYR:CG	3:M:714:ARG:NH2	2.69	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:557:GLN:HG3	3:M:557:GLN:O	2.00	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:557:GLN:HG3	3:M:557:GLN:O	2.00	0.61
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.66	0.61
3:M:81:ASN:OD1	3:M:96:HIS:HB2	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.30	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:141:LEU:H	3:M:141:LEU:HD12	1.64	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:141:LEU:HD12	3:M:141:LEU:H	1.64	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:141:LEU:HD12	3:M:141:LEU:H	1.64	0.61
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.61
3:M:141:LEU:HD12	3:M:141:LEU:H	1.64	0.61
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:91:MET:HE3	3:M:119:SER:HB2	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
1:B:128:PHE:CD1	3:M:821:ARG:NH2	2.65	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.82	0.61
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.61
3:M:91:MET:HE3	3:M:119:SER:HB2	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:91:MET:HE3	3:M:119:SER:HB2	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:91:MET:HE3	3:M:119:SER:HB2	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
3:M:709:LYS:O	3:M:710:GLY:HA2	2.01	0.61
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.70	0.61
3:M:578:HIS:HB2	3:M:592:ILE:CD1	2.30	0.61
3:M:91:MET:HE3	3:M:119:SER:HB2	1.83	0.61
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.61
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.61
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.61
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.61
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.61
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.61
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.61
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.60
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.83	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.60
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:520:ALA:O	3:M:524:GLU:HG2	2.00	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:511:GLU:OE1	3:M:761:GLY:N	2.33	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
2:C:40:ASN:HD21	3:M:793:ARG:HH11	0.64	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.16	0.60
3:M:508:ILE:C	3:M:714:ARG:HH11	2.05	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
1:B:92:ASP:OD2	3:M:819:ASN:ND2	2.34	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HB3	3:M:727:LEU:HD12	1.81	0.60
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.36	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
1:B:24:ILE:HG22	1:B:28:LYS:HE3	1.82	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.36	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.60
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.36	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.36	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:166:MET:HE3	3:M:254:PHE:CD2	2.36	0.60
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:509:GLU:OE2	3:M:763:THR:C	2.25	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.47	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:510:TRP:CH2	3:M:767:PHE:N	2.70	0.60
3:M:40:VAL:HG22	3:M:41:VAL:N	2.16	0.60
3:M:546:THR:HG22	3:M:547:ASP:N	2.17	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.60
3:M:509:GLU:CB	3:M:714:ARG:CB	2.48	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:509:GLU:O	3:M:766:PHE:CD2	2.41	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:509:GLU:CB	3:M:714:ARG:CB	2.48	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
1:B:123:THR:O	2:C:19:ARG:HA	1.99	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:686:MET:HG3	3:M:691:VAL:HG21	1.82	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:524:GLU:O	3:M:528:LYS:HB2	2.01	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.60
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.60
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.60
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.60
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.60
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.60
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.83	0.60
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.30	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.60
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.60
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.83	0.60
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:509:GLU:HB2	3:M:764:LYS:HG3	1.83	0.60
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.60
3:M:511:GLU:OE2	3:M:764:LYS:N	2.35	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.60
3:M:265:ILE:HD12	3:M:445:ILE:HG21	1.84	0.60
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.60
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:510:TRP:CE2	3:M:711:PHE:N	2.70	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.82	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
3:M:602:PRO:HD2	3:M:648:THR:CB	2.31	0.59
3:M:510:TRP:HZ3	3:M:767:PHE:N	2.00	0.59
3:M:557:GLN:O	3:M:557:GLN:HG3	2.00	0.59
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.59
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.88	0.59
3:M:99:GLU:OE2	3:M:696:ARG:NH2	2.31	0.59
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.59
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.59
3:M:665:ARG:C	3:M:667:THR:H	2.05	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:510:TRP:HE3	3:M:766:PHE:CB	1.72	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.02	0.59
3:M:503:TYR:HE1	3:M:714:ARG:NH2	2.00	0.59
3:M:507:GLY:O	3:M:761:GLY:HA3	2.03	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.59
3:M:709:LYS:O	3:M:710:GLY:C	2.41	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:509:GLU:O	3:M:766:PHE:CG	2.55	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.59
3:M:709:LYS:O	3:M:710:GLY:C	2.41	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:603:LEU:CD1	3:M:647:GLN:C	1.82	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:508:ILE:HD11	3:M:766:PHE:CG	2.36	0.59
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.84	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
3:M:537:GLU:HB3	3:M:648:THR:HG21	1.83	0.59
3:M:428:ALA:CB	3:M:600:LYS:HB3	2.20	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:837:LYS:O	3:M:840:PRO:HD2	2.01	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:509:GLU:CB	3:M:714:ARG:HB2	2.33	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:N	3:M:135:TYR:CD1	2.69	0.59
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
3:M:95:THR:HG23	3:M:96:HIS:ND1	2.17	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:550:PHE:CE2	3:M:592:ILE:HG23	2.37	0.59
3:M:510:TRP:HE3	3:M:766:PHE:CD2	2.10	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:124:VAL:HG13	3:M:675:ILE:HD13	1.84	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:40:VAL:HG22	3:M:41:VAL:H	1.66	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.59
3:M:156:PHE:CD1	3:M:195:TYR:CD1	2.90	0.59
3:M:717:TYR:HD1	3:M:744:SER:HG	1.51	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:503:TYR:CB	3:M:714:ARG:HH12	2.15	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.31	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:579:PHE:CE1	3:M:581:LEU:HD13	2.38	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.85	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:481:ASN:ND2	3:M:481:ASN:N	2.51	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.85	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.85	0.59
3:M:60:VAL:O	3:M:71:THR:HA	2.02	0.59
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.59
3:M:537:GLU:O	3:M:602:PRO:HG3	2.01	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:124:VAL:CG1	3:M:675:ILE:HD13	2.32	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:481:ASN:ND2	3:M:481:ASN:N	2.51	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:481:ASN:ND2	3:M:481:ASN:N	2.51	0.59
1:B:128:PHE:CE1	3:M:817:GLN:CD	2.75	0.59
3:M:230:GLU:O	3:M:234:ASN:HB2	2.03	0.59
3:M:536:LEU:HD13	3:M:550:PHE:CE1	2.37	0.59
3:M:481:ASN:ND2	3:M:481:ASN:N	2.51	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.59
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.59
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.59
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.59
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:510:TRP:CD2	3:M:711:PHE:CD2	2.91	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.59
3:M:116:TYR:HB2	3:M:153:PRO:O	2.02	0.59
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.59
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.59
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.59
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.59
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.59
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.59
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:782:LYS:C	3:M:783:LEU:HD12	2.22	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.70	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.70	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:717:TYR:HD1	3:M:744:SER:HG	1.51	0.58
3:M:510:TRP:CH2	3:M:766:PHE:HB3	2.37	0.58
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.07	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.70	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.70	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.70	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:508:ILE:CB	3:M:714:ARG:CD	2.81	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.33	0.58
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.85	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
2:C:58:MET:HA	2:C:62:LYS:HB3	1.84	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.70	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:776:GLU:O	3:M:779:ARG:HB3	2.02	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:464:ILE:HG22	3:M:465:ALA:N	2.18	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:40:VAL:HG22	3:M:41:VAL:H	1.67	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:676:ILE:HG23	3:M:676:ILE:O	2.02	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:175:ILE:HA	3:M:670:HIS:O	2.03	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:676:ILE:O	3:M:676:ILE:HG23	2.02	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.69	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.69	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.69	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:135:TYR:N	3:M:135:TYR:CD1	2.69	0.58
3:M:717:TYR:HD1	3:M:744:SER:HG	1.50	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.64	0.58
3:M:135:TYR:CD1	3:M:135:TYR:N	2.69	0.58
3:M:436:LYS:NZ	3:M:652:LEU:HD11	2.18	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:717:TYR:HD1	3:M:744:SER:HG	1.49	0.58
3:M:507:GLY:O	3:M:764:LYS:CE	2.52	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:602:PRO:CD	3:M:648:THR:CB	2.69	0.58
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:141:LEU:O	3:M:144:ARG:HB3	2.04	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.88	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.58
1:B:56:ARG:HH22	3:M:837:LYS:HE3	1.55	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.58
3:M:38:VAL:HB	3:M:52:ILE:HD11	1.84	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:508:ILE:CD1	3:M:714:ARG:HD3	2.24	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:787:ILE:O	3:M:790:THR:N	2.35	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
3:M:602:PRO:N	3:M:648:THR:CB	2.55	0.58
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.58
3:M:267:THR:H	3:M:442:VAL:HG21	1.69	0.58
3:M:7:MET:HE3	3:M:14:ALA:HB1	1.84	0.58
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.58
1:B:141:PRO:O	1:B:144:VAL:HG12	2.02	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:481:ASN:ND2	3:M:481:ASN:N	2.51	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.58
3:M:510:TRP:CZ3	3:M:766:PHE:CA	2.87	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:511:GLU:CD	3:M:764:LYS:O	2.41	0.58
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
3:M:265:ILE:HG22	3:M:266:GLU:N	2.18	0.58
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.68	0.58
3:M:508:ILE:HD13	3:M:714:ARG:NE	2.17	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.58
3:M:709:LYS:C	3:M:768:LYS:HZ1	2.08	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.68	0.58
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.58
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.58
3:M:124:VAL:HG13	3:M:675:ILE:CD1	2.33	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:508:ILE:HD11	3:M:766:PHE:CE1	2.39	0.58
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.68	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.68	0.58
3:M:648:THR:HG23	3:M:651:ALA:HB2	1.83	0.58
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.58
3:M:166:MET:HE3	3:M:254:PHE:HD2	1.68	0.58
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
3:M:717:TYR:HD1	3:M:744:SER:HG	1.51	0.57
1:B:112:ILE:HB	1:B:150:TYR:HE1	1.68	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:279:LEU:HB3	3:M:280:PRO:HD2	1.86	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.40	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:175:ILE:HA	3:M:670:HIS:O	2.04	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
2:C:27:LEU:O	2:C:30:VAL:HB	2.03	0.57
3:M:481:ASN:N	3:M:481:ASN:ND2	2.51	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:481:ASN:ND2	3:M:481:ASN:N	2.51	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:506:GLU:CD	3:M:764:LYS:NZ	2.57	0.57
3:M:48:VAL:HG22	3:M:49:LYS:N	2.18	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.57
2:C:40:ASN:ND2	3:M:793:ARG:HH12	1.89	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.17	0.57
3:M:64:THR:HG22	3:M:65:GLU:N	2.18	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:510:TRP:CE3	3:M:711:PHE:HB3	2.31	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.57
3:M:141:LEU:O	3:M:144:ARG:HB3	2.03	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:509:GLU:O	3:M:766:PHE:CE2	2.56	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.57
3:M:730:SER:HA	3:M:732:ILE:CB	2.34	0.57
3:M:509:GLU:O	3:M:766:PHE:CE2	2.56	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.57
3:M:708:ARG:O	3:M:768:LYS:NZ	2.37	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:506:GLU:CG	3:M:764:LYS:HE3	2.35	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
3:M:509:GLU:CB	3:M:764:LYS:O	2.53	0.57
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.57
3:M:267:THR:H	3:M:442:VAL:HG21	1.68	0.57
3:M:254:PHE:CE2	3:M:459:ILE:HD12	2.39	0.57
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.57
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.57
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.57
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.57
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.57
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.57
3:M:715:VAL:HG11	3:M:720:PHE:HD1	1.68	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:510:TRP:HZ3	3:M:766:PHE:C	2.08	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.57
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.57
3:M:173:GLN:C	3:M:667:THR:HG23	2.25	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.57
3:M:709:LYS:C	3:M:710:GLY:N	2.57	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.57
3:M:290:GLN:HG2	3:M:331:LEU:HA	1.87	0.57
2:C:111:LEU:O	2:C:118:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
3:M:538:GLU:O	3:M:541:MET:HB2	2.04	0.57
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.57
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.57
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:508:ILE:CB	3:M:766:PHE:CZ	2.84	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
1:B:101:PHE:CE2	3:M:816:ILE:HD12	2.31	0.56
3:M:510:TRP:CE3	3:M:711:PHE:CG	2.78	0.56
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.87	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
3:M:717:TYR:HD1	3:M:744:SER:HG	1.51	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.04	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.87	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:506:GLU:CD	3:M:764:LYS:HZ1	2.02	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:508:ILE:CB	3:M:766:PHE:CE2	2.42	0.56
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:508:ILE:HB	3:M:714:ARG:CZ	2.35	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.04	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
1:B:87:LYS:CD	3:M:829:TRP:CE3	2.87	0.56
3:M:322:VAL:HG11	3:M:325:ILE:HD11	1.86	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.04	0.56
3:M:747:LEU:O	3:M:747:LEU:HD23	2.05	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.04	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.04	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
2:C:137:ILE:HG22	2:C:142:PHE:CZ	2.39	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.73	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.03	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.52	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.03	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:135:TYR:HD1	3:M:135:TYR:N	2.03	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.87	0.56
3:M:135:TYR:N	3:M:135:TYR:HD1	2.03	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:418:THR:HG22	3:M:419:VAL:H	1.69	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:82:PRO:HD2	3:M:85:TYR:CD2	2.40	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:813:ILE:O	3:M:816:ILE:N	2.37	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:510:TRP:CD2	3:M:711:PHE:HB2	2.41	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:717:TYR:HD1	3:M:744:SER:HG	1.51	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.56
2:C:111:LEU:O	2:C:118:MET:HB2	2.05	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.56
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.56
3:M:677:PRO:HB2	3:M:678:ASN:ND2	2.20	0.56
3:M:273:SER:HB2	3:M:598:LYS:CE	2.04	0.56
2:C:65:PHE:HA	2:C:68:PHE:HD1	1.69	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
1:B:128:PHE:CZ	3:M:817:GLN:HB3	2.39	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:549:SER:OG	3:M:550:PHE:N	2.36	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.88	0.56
3:M:747:LEU:HD23	3:M:747:LEU:O	2.05	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.56
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.88	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.56
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.88	0.56
3:M:435:GLU:O	3:M:438:PHE:HB3	2.06	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.56
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.36	0.56
3:M:295:LYS:HG2	3:M:332:MET:HE1	1.88	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:509:GLU:OE2	3:M:764:LYS:CB	2.19	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:509:GLU:OE2	3:M:764:LYS:CB	2.19	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.56
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.56
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.56
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.56
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.56
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.56
3:M:546:THR:HG21	3:M:548:THR:HB	1.88	0.56
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:7:MET:HE3	3:M:14:ALA:CB	2.36	0.56
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
1:B:77:PHE:HA	1:B:80:PHE:HD1	1.69	0.55
2:C:102:VAL:HG23	2:C:137:ILE:O	2.05	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:HA	3:M:25:ILE:HB	1.87	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.41	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.09	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
2:C:61:LYS:HZ2	2:C:68:PHE:HD2	1.53	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.09	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:503:TYR:HB3	3:M:714:ARG:NH1	2.22	0.55
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.55
3:M:510:TRP:CZ3	3:M:767:PHE:N	2.74	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:511:GLU:HB2	3:M:766:PHE:CD1	2.41	0.55
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.55
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.09	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.09	0.55
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.55
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.09	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:709:LYS:C	3:M:710:GLY:C	2.64	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:709:LYS:O	3:M:710:GLY:C	2.44	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
3:M:578:HIS:CD2	3:M:591:ASN:HA	2.37	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.55
3:M:604:ASN:OD1	3:M:607:VAL:HG23	2.06	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:510:TRP:CE2	3:M:711:PHE:CD2	1.80	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
1:B:87:LYS:HD2	3:M:829:TRP:CE3	2.38	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.55
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.55
3:M:338:ILE:HG21	3:M:348:LYS:HB2	1.87	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.79	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.47	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
3:M:436:LYS:HE3	3:M:652:LEU:CD2	2.32	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:82:PRO:HD2	3:M:85:TYR:HD2	1.72	0.55
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.55
3:M:22:LYS:O	3:M:26:GLU:HG3	2.07	0.55
3:M:116:TYR:CE2	3:M:154:HIS:CD2	2.94	0.55
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.55
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.55
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.55
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.55
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.55
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.55
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
1:B:61:ASN:HA	1:B:64:LEU:HD12	1.86	0.55
3:M:506:GLU:HB3	3:M:764:LYS:HE3	1.88	0.55
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.55
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.55
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.55
1:B:84:PHE:HD2	3:M:829:TRP:CZ3	2.24	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.55
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.55
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.55
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
1:B:42:ILE:HD12	1:B:80:PHE:CZ	2.41	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.20	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.21	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.20	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:32:PHE:CG	3:M:83:PRO:HD3	2.42	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.17	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
2:C:147:MET:SD	3:M:793:ARG:HG2	2.46	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.54
3:M:290:GLN:NE2	3:M:334:THR:OG1	2.40	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CE2	2.42	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.20	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
2:C:95:ASP:HB2	2:C:101:THR:O	2.06	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.89	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:345:ALA:O	3:M:349:THR:N	2.40	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.21	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:723:ARG:HH11	3:M:723:ARG:CG	2.20	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:305:ILE:HG22	3:M:312:TYR:CZ	2.42	0.54
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.54
3:M:292:MET:HE3	3:M:309:PRO:CA	2.36	0.54
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.20	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:292:MET:HE3	3:M:309:PRO:CA	2.36	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:509:GLU:HB2	3:M:766:PHE:HE1	1.73	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:292:MET:HE3	3:M:309:PRO:CA	2.36	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.37	0.54
3:M:109:ARG:O	3:M:114:MET:N	2.37	0.54
3:M:292:MET:HE3	3:M:309:PRO:CA	2.36	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.54
3:M:22:LYS:O	3:M:26:GLU:HG3	2.06	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.54
3:M:302:MET:HG2	3:M:303:LEU:HD13	1.88	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:709:LYS:O	3:M:768:LYS:NZ	2.40	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.54
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.36	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.21	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.54
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.54
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.54
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.54
3:M:38:VAL:CB	3:M:52:ILE:HD11	2.38	0.54
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.71	0.54
3:M:127:ASN:ND2	3:M:128:PRO:HD2	2.16	0.54
3:M:126:VAL:HG13	3:M:675:ILE:HG22	1.90	0.54
1:B:161:GLU:OE2	3:M:827:LYS:HD2	2.07	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.38	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:509:GLU:OE2	3:M:761:GLY:O	2.26	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:292:MET:HE1	3:M:309:PRO:CD	2.38	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.38	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:271:GLU:OE2	3:M:476:GLU:CG	2.53	0.54
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.54
3:M:292:MET:HE1	3:M:309:PRO:CD	2.38	0.54
3:M:10:PHE:O	3:M:12:GLU:N	2.41	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.54
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
3:M:794:CYS:O	3:M:798:LEU:N	2.37	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.54
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:404:PRO:CG	3:M:417:GLN:HG3	2.38	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.54
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.54
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.54
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
3:M:267:THR:OG1	3:M:442:VAL:HG21	2.04	0.54
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.54
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.07	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
3:M:738:MET:HG3	3:M:739:ASP:H	1.71	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:508:ILE:CG2	3:M:714:ARG:CD	2.75	0.53
3:M:546:THR:HB	3:M:549:SER:H	1.72	0.53
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.23	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.38	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.53
3:M:508:ILE:CD1	3:M:714:ARG:CD	2.60	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:508:ILE:HG22	3:M:714:ARG:CD	2.38	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:137:TRP:HE3	1:B:144:VAL:CG1	2.20	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HG2	1.72	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
3:M:508:ILE:HB	3:M:714:ARG:NH1	2.23	0.53
3:M:511:GLU:CD	3:M:761:GLY:HA3	2.26	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:723:ARG:CG	3:M:723:ARG:HH11	2.21	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
3:M:709:LYS:CA	3:M:768:LYS:NZ	2.60	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:98:HIS:HB3	3:M:100:PRO:CD	2.26	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
2:C:108:ARG:HG2	2:C:127:MET:SD	2.47	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:626:TYR:CD1	3:M:647:GLN:OE1	2.59	0.53
3:M:791:GLN:O	3:M:794:CYS:HB2	2.08	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
2:C:50:LEU:O	2:C:57:GLU:HB2	2.07	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:406:VAL:HG12	3:M:407:LYS:H	1.71	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:267:THR:OG1	3:M:442:VAL:HG22	2.07	0.53
3:M:493:HIS:ND1	3:M:514:ASP:OD2	2.41	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
3:M:813:ILE:O	3:M:817:GLN:N	2.30	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:273:SER:HG	3:M:598:LYS:HD3	1.65	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:755:HIS:HA	3:M:758:TYR:HE1	1.65	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.53
3:M:508:ILE:CB	3:M:766:PHE:CE2	2.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.53
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.53
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.53
3:M:432:ALA:N	3:M:601:ASP:HB3	2.23	0.53
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.53
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:506:GLU:CG	3:M:764:LYS:CE	2.80	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
2:C:137:ILE:HG22	2:C:142:PHE:HZ	1.72	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.53
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.53
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:417:GLN:HE21	3:M:543:PRO:HB3	1.72	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:277:PHE:CG	3:M:278:GLN:N	2.76	0.53
3:M:32:PHE:CD1	3:M:83:PRO:HD3	2.43	0.53
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
1:B:87:LYS:CD	3:M:829:TRP:CZ3	2.78	0.53
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.53
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.53
3:M:765:VAL:HG12	3:M:766:PHE:N	2.22	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.53
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.53
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.53
3:M:503:TYR:CD2	3:M:714:ARG:NH2	2.76	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.53
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.53
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.53
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:709:LYS:C	3:M:710:GLY:C	2.68	0.53
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.53
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.53
3:M:404:PRO:HG3	3:M:417:GLN:HG3	1.91	0.53
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.53
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.53
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.53
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.53
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.53
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.53
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.53
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.43	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:432:ALA:N	3:M:601:ASP:HB3	2.24	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:491:PHE:HD1	3:M:671:PHE:CE2	2.27	0.52
3:M:251:ARG:HB2	3:M:264:ASP:HB2	1.91	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:42:HIS:HB3	3:M:45:GLU:O	2.09	0.52
3:M:584:TYR:CD1	3:M:585:ALA:N	2.77	0.52
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.52
3:M:78:PHE:HB3	3:M:98:HIS:NE2	2.22	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.52
2:C:116:GLU:OE2	3:M:788:THR:HG23	2.08	0.52
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.52
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:742:LYS:O	3:M:745:GLU:HB2	2.08	0.52
3:M:511:GLU:OE1	3:M:761:GLY:CA	2.57	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.53	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.91	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.91	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.52
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.91	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:709:LYS:CA	3:M:768:LYS:HZ3	2.07	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.91	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:508:ILE:HG23	3:M:714:ARG:HG2	1.88	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:709:LYS:O	3:M:768:LYS:HE2	2.10	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:154:HIS:CE1	3:M:156:PHE:HD2	2.27	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:295:LYS:HE3	3:M:332:MET:HE1	1.91	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.24	0.52
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.52
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.28	0.52
3:M:494:HIS:O	3:M:498:LEU:HB2	2.09	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.52
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:221:GLN:HB2	3:M:449:LEU:HD11	1.91	0.52
3:M:432:ALA:H	3:M:601:ASP:CB	2.21	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:265:ILE:C	3:M:442:VAL:HG13	2.26	0.52
3:M:579:PHE:CD2	3:M:592:ILE:HD11	2.44	0.52
1:B:41:ILE:HG12	1:B:76:ASN:OD1	2.09	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.91	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:432:ALA:N	3:M:601:ASP:CB	2.72	0.52
3:M:727:LEU:HD21	3:M:778:MET:HB2	1.90	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:510:TRP:HZ3	3:M:766:PHE:HA	1.71	0.52
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.52
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.52
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.52
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.52
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:232:PHE:CE1	3:M:287:ILE:HD13	2.44	0.52
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.52
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.52
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.52
3:M:128:PRO:O	3:M:129:TYR:HB2	2.10	0.52
3:M:135:TYR:CD2	3:M:191:ARG:HG2	2.44	0.52
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.91	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:508:ILE:HG22	3:M:714:ARG:HG2	1.91	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.52
3:M:508:ILE:HG21	3:M:714:ARG:CZ	2.39	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.52
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.52
3:M:135:TYR:HD2	3:M:191:ARG:HD3	1.73	0.52
3:M:648:THR:HG23	3:M:651:ALA:N	2.25	0.52
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.52
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.52
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.25	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
1:B:124:GLN:O	1:B:125:CYS:HB2	2.09	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:661:MET:O	3:M:665:ARG:HG3	2.09	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:135:TYR:HD2	3:M:191:ARG:CD	2.23	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.67	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.92	0.51
3:M:709:LYS:O	3:M:710:GLY:O	2.28	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.82	0.51
2:C:94:PHE:HB2	2:C:139:TYR:HH	1.76	0.51
3:M:510:TRP:CE2	3:M:711:PHE:N	2.27	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.51
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:579:PHE:HE1	3:M:581:LEU:HD13	1.74	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
3:M:22:LYS:O	3:M:26:GLU:N	2.30	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:428:ALA:C	3:M:601:ASP:CA	2.72	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:263:ALA:CB	3:M:449:LEU:HB3	2.32	0.51
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.51
3:M:508:ILE:HG22	3:M:714:ARG:CG	2.40	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:508:ILE:HG22	3:M:714:ARG:CG	2.40	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:156:PHE:HD1	3:M:195:TYR:CD1	2.27	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
2:C:68:PHE:O	2:C:72:LEU:HG	2.09	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.51
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.51
3:M:783:LEU:O	3:M:787:ILE:N	2.28	0.51
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:762:HIS:N	3:M:762:HIS:CD2	2.79	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.51
3:M:509:GLU:CA	3:M:714:ARG:CD	2.88	0.51
3:M:63:LYS:HG2	3:M:64:THR:H	1.75	0.51
3:M:510:TRP:CB	3:M:714:ARG:NE	2.64	0.51
3:M:265:ILE:O	3:M:446:ASN:CG	2.47	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:503:TYR:CD2	3:M:714:ARG:NH1	2.71	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.92	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.92	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
1:B:98:MET:SD	1:B:154:CYS:SG	3.05	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
1:B:137:TRP:HA	1:B:144:VAL:HG11	1.90	0.51
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.92	0.51
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.51
3:M:41:VAL:HG21	3:M:76:GLN:HG3	1.92	0.51
3:M:592:ILE:O	3:M:592:ILE:HG22	2.10	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.92	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:762:HIS:N	3:M:762:HIS:CD2	2.79	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:510:TRP:CE2	3:M:711:PHE:CD2	2.99	0.51
3:M:418:THR:O	3:M:422:VAL:HG23	2.11	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
2:C:147:MET:SD	3:M:793:ARG:CD	2.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:101:PHE:CD2	3:M:816:ILE:HD13	2.15	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.52	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.51
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
3:M:40:VAL:HG13	3:M:41:VAL:O	2.10	0.51
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:508:ILE:CD1	3:M:766:PHE:CE2	2.87	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:509:GLU:HB2	3:M:764:LYS:CG	2.41	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
3:M:400:ALA:HB1	3:M:606:THR:HG22	1.93	0.51
3:M:41:VAL:HG13	3:M:42:HIS:N	2.25	0.51
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:729:ALA:O	3:M:732:ILE:CD1	2.58	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.51
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.51
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.53	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.92	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
1:B:100:ALA:HB1	3:M:816:ILE:HG12	1.91	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:277:PHE:HA	3:M:317:GLN:NE2	2.26	0.51
3:M:511:GLU:HG3	3:M:766:PHE:CZ	2.42	0.51
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.51
3:M:546:THR:CG2	3:M:548:THR:HB	2.41	0.51
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.51
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.51
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.51
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.51
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.51
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.51
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.50
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.50
3:M:724:TYR:HE1	3:M:775:LEU:HB3	1.68	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.84	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:346:ASP:O	3:M:349:THR:HB	2.12	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:109:ARG:HD3	3:M:117:THR:HB	1.92	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.46	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
2:C:5:ASP:CG	2:C:69:LEU:HB3	2.30	0.50
3:M:510:TRP:CE3	3:M:711:PHE:CD2	2.90	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:429:LEU:O	3:M:433:VAL:HG23	2.11	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.50
3:M:237:THR:O	3:M:240:ASN:O	2.29	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.50
3:M:507:GLY:HA2	3:M:764:LYS:NZ	2.18	0.50
3:M:510:TRP:CZ3	3:M:766:PHE:HB2	2.43	0.50
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.50	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:67:MET:SD	3:M:830:PRO:HB2	2.50	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.50
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.92	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.41	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.50
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.50
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
3:M:559:LEU:HD23	3:M:559:LEU:C	2.31	0.50
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.50
3:M:559:LEU:C	3:M:559:LEU:HD23	2.31	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
2:C:65:PHE:CD1	2:C:65:PHE:N	2.79	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:762:HIS:N	3:M:762:HIS:CD2	2.79	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
2:C:147:MET:SD	3:M:793:ARG:CD	2.94	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.50
3:M:424:ASN:HB3	3:M:600:LYS:HD2	1.92	0.50
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.50
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.50
3:M:687:GLU:O	3:M:691:VAL:HG23	2.11	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.54	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:436:LYS:HZ1	3:M:652:LEU:HD11	1.76	0.50
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.50
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.50
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.50
3:M:509:GLU:OE1	3:M:763:THR:N	2.44	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.50
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.50
3:M:292:MET:CE	3:M:309:PRO:HA	2.39	0.50
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:13:ALA:C	3:M:15:PRO:HD2	2.31	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:509:GLU:HB2	3:M:760:PHE:O	2.11	0.50
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.50
1:B:144:VAL:CG2	1:B:148:VAL:HG13	2.40	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.50
3:M:38:VAL:CG1	3:M:39:PHE:N	2.74	0.50
3:M:234:ASN:OD1	3:M:246:PHE:HD1	1.94	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:311:ASP:HB2	3:M:312:TYR:CE1	2.47	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.50
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.50
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.50
2:C:61:LYS:HD2	2:C:71:MET:CG	2.38	0.50
3:M:510:TRP:CG	3:M:766:PHE:CD2	2.95	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.50
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.50
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.50
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.50
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.50
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.50
3:M:592:ILE:HG22	3:M:592:ILE:O	2.10	0.50
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.50
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.50
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.50
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.50
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.50
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.50
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.50
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:176:LEU:CD1	3:M:176:LEU:N	2.74	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.49
3:M:176:LEU:CD1	3:M:176:LEU:N	2.74	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.49
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:735:GLY:CA	3:M:738:MET:HE1	2.33	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:735:GLY:HA2	3:M:738:MET:HE1	1.93	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.92	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:675:ILE:CG2	3:M:676:ILE:N	2.74	0.49
3:M:244:SER:HA	3:M:246:PHE:N	2.26	0.49
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
3:M:195:TYR:O	3:M:199:ILE:HG23	2.11	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
1:B:112:ILE:HB	1:B:150:TYR:CE1	2.45	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
1:B:68:ILE:HG12	1:B:75:ILE:HD11	1.93	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:346:ASP:O	3:M:349:THR:HB	2.11	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:510:TRP:CG	3:M:711:PHE:O	2.65	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:100:ALA:HB1	3:M:816:ILE:CG1	2.41	0.49
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.46	0.49
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:169:ASP:OD1	3:M:169:ASP:N	2.44	0.49
3:M:509:GLU:O	3:M:714:ARG:HB3	2.13	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
2:C:39:GLN:O	2:C:79:LYS:HE2	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:169:ASP:N	3:M:169:ASP:OD1	2.44	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:134:VAL:C	3:M:136:ASN:H	2.15	0.49
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
1:B:15:VAL:HA	1:B:19:PHE:CE1	2.47	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
3:M:51:THR:C	3:M:62:VAL:HG13	2.32	0.49
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.49
3:M:251:ARG:O	3:M:263:ALA:HA	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:510:TRP:HB3	3:M:714:ARG:CZ	2.38	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
3:M:64:THR:CG2	3:M:65:GLU:N	2.75	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
3:M:154:HIS:CD2	3:M:155:ILE:H	2.30	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.93	0.49
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:503:TYR:CA	3:M:714:ARG:HH11	2.11	0.49
3:M:503:TYR:CE1	3:M:714:ARG:CZ	2.92	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.93	0.49
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.54	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
3:M:735:GLY:HA2	3:M:738:MET:HE1	1.92	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.49
2:C:63:ILE:HG21	2:C:67:GLU:HB2	1.93	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
1:B:118:GLU:HG2	1:B:137:TRP:CH2	2.47	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.49
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:263:ALA:HB3	3:M:449:LEU:O	2.12	0.49
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
3:M:97:LEU:N	3:M:97:LEU:HD13	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.49
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
2:C:65:PHE:N	2:C:65:PHE:CD1	2.79	0.49
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:762:HIS:N	3:M:762:HIS:CD2	2.79	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:103:LEU:C	3:M:103:LEU:HD12	2.33	0.49
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:278:GLN:HG3	3:M:318:GLY:H	1.75	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.13	0.49
3:M:103:LEU:HD12	3:M:103:LEU:C	2.33	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.49
3:M:97:LEU:N	3:M:97:LEU:HD13	2.27	0.49
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.49
3:M:332:MET:O	3:M:336:SER:OG	2.27	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.49
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:756:THR:O	3:M:758:TYR:N	2.45	0.49
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.49
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
3:M:715:VAL:O	3:M:764:LYS:HB2	2.12	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.49
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.49
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.49
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
3:M:709:LYS:C	3:M:710:GLY:HA2	2.27	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:709:LYS:C	3:M:710:GLY:N	2.67	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
3:M:404:PRO:HD2	3:M:415:LYS:O	2.13	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
1:B:139:ALA:C	1:B:141:PRO:HD2	2.32	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
3:M:277:PHE:HA	3:M:317:GLN:HE22	1.77	0.48
3:M:510:TRP:CB	3:M:714:ARG:NE	2.60	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
3:M:839:LYS:N	3:M:840:PRO:CD	2.75	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.14	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.12	0.48
3:M:547:ASP:O	3:M:550:PHE:HB3	2.12	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:405:ARG:HB2	3:M:414:THR:OG1	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.44	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
2:C:94:PHE:HB2	2:C:139:TYR:HH	1.78	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:509:GLU:CB	3:M:764:LYS:CB	2.72	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.48
1:B:86:GLU:HA	1:B:89:LYS:HE3	1.94	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.48
3:M:707:CYS:O	3:M:710:GLY:N	2.46	0.48
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.48
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.78	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:709:LYS:CB	3:M:768:LYS:HZ1	2.23	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.96	0.48
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.48
3:M:715:VAL:HG12	3:M:716:LEU:O	2.12	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.48
3:M:292:MET:HE1	3:M:309:PRO:HD3	1.94	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
1:B:123:THR:HB	2:C:19:ARG:HG2	1.94	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.48
3:M:128:PRO:O	3:M:683:PRO:HB3	2.12	0.48
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.29	0.48
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
2:C:94:PHE:HB2	2:C:139:TYR:OH	2.13	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:507:GLY:O	3:M:764:LYS:HD2	2.13	0.48
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.79	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.79	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.27	0.48
3:M:510:TRP:CE2	3:M:711:PHE:N	2.81	0.48
3:M:312:TYR:CD1	3:M:312:TYR:N	2.81	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.81	0.48
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.48
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.27	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.27	0.48
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.48
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.48
3:M:762:HIS:N	3:M:762:HIS:CD2	2.79	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.27	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.79	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:503:TYR:CD1	3:M:714:ARG:CZ	2.97	0.48
3:M:508:ILE:CB	3:M:714:ARG:HD2	2.35	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.48
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:689:GLU:HG2	3:M:689:GLU:O	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.79	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:20:SER:HB3	3:M:23:GLU:OE1	2.13	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
3:M:839:LYS:HB3	3:M:840:PRO:HD3	1.94	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:720:PHE:CD2	3:M:744:SER:HB3	2.48	0.48
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.48
3:M:97:LEU:N	3:M:97:LEU:HD13	2.28	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:221:GLN:HG2	3:M:221:GLN:H	1.49	0.48
3:M:708:ARG:O	3:M:768:LYS:NZ	2.47	0.48
2:C:65:PHE:N	2:C:65:PHE:HD1	2.11	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.48
3:M:314:TYR:CZ	3:M:362:GLY:HA2	2.48	0.48
3:M:97:LEU:HD13	3:M:97:LEU:N	2.28	0.48
3:M:648:THR:HG23	3:M:651:ALA:CB	2.43	0.48
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.48
1:B:92:ASP:CG	3:M:819:ASN:HD21	2.15	0.48
3:M:168:THR:HG22	3:M:169:ASP:OD1	2.12	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.48
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.48
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.48
3:M:508:ILE:C	3:M:764:LYS:HE3	2.34	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.48
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.13	0.48
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.48
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
2:C:106:GLU:CG	3:M:25:ILE:HD13	2.43	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.48
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HB3	3:M:194:GLN:HE21	1.43	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.14	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.48
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.48
3:M:689:GLU:HG2	3:M:689:GLU:O	2.14	0.48
3:M:312:TYR:CD1	3:M:312:TYR:N	2.80	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.48
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.48
3:M:265:ILE:HD12	3:M:445:ILE:HG22	1.96	0.48
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:194:GLN:HB3	3:M:194:GLN:HE21	1.43	0.48
3:M:418:THR:CB	3:M:421:GLN:HG3	2.37	0.48
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.48
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.48
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:708:ARG:HA	3:M:712:PRO:HG3	1.96	0.48
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:312:TYR:CD1	3:M:312:TYR:N	2.80	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:689:GLU:O	3:M:689:GLU:HG2	2.14	0.48
3:M:312:TYR:N	3:M:312:TYR:CD1	2.80	0.48
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.48
3:M:10:PHE:CD2	3:M:17:LEU:HD23	2.49	0.48
3:M:838:ILE:C	3:M:840:PRO:HD2	2.35	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.35	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:237:THR:HG22	3:M:238:VAL:N	2.28	0.47
3:M:508:ILE:HG22	3:M:714:ARG:HD2	1.96	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.78	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
2:C:67:GLU:HA	2:C:70:PRO:HG2	1.94	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.96	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:503:TYR:CD1	3:M:714:ARG:NH1	2.72	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
2:C:39:GLN:HB2	2:C:79:LYS:CD	2.36	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:290:GLN:HG2	3:M:331:LEU:CA	2.43	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.78	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
1:B:161:GLU:CD	3:M:827:LYS:HD2	2.34	0.47
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:192:VAL:O	3:M:195:TYR:HB3	2.13	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:102:VAL:O	2:C:136:CYS:HA	2.13	0.47
3:M:709:LYS:N	3:M:710:GLY:N	2.63	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:506:GLU:CD	3:M:764:LYS:HZ2	2.16	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:508:ILE:CG2	3:M:766:PHE:CE1	2.61	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.53	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
3:M:723:ARG:HG3	3:M:723:ARG:HH11	1.79	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:550:PHE:CE2	3:M:592:ILE:CG2	2.97	0.47
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:602:PRO:O	3:M:603:LEU:HD12	2.14	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:310:TYR:CE2	3:M:320:ILE:CD1	2.94	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:248:LYS:HE3	3:M:250:ILE:HD11	1.95	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:509:GLU:HB2	3:M:764:LYS:HB2	1.97	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:436:LYS:CE	3:M:652:LEU:HD11	2.45	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:709:LYS:HA	3:M:768:LYS:HZ1	0.68	0.47
3:M:41:VAL:CG1	3:M:42:HIS:N	2.75	0.47
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:499:GLU:OE1	3:M:499:GLU:HA	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:546:THR:CG2	3:M:547:ASP:N	2.77	0.47
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
3:M:510:TRP:CD2	3:M:711:PHE:O	2.67	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:762:HIS:CD2	3:M:762:HIS:N	2.78	0.47
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.97	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
3:M:510:TRP:CD2	3:M:711:PHE:O	2.67	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.47
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
1:B:128:PHE:CZ	3:M:817:GLN:HG2	2.48	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:499:GLU:OE1	3:M:499:GLU:HA	2.13	0.47
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:154:HIS:CE1	3:M:156:PHE:CE2	3.02	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.47
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:617:LYS:O	3:M:620:ALA:HB3	2.14	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:251:ARG:HB2	3:M:264:ASP:HB3	1.95	0.47
3:M:229:LEU:HB3	3:M:246:PHE:CZ	2.49	0.47
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.47
3:M:406:VAL:CG1	3:M:407:LYS:H	2.28	0.47
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.47
3:M:470:PHE:O	3:M:473:ASN:ND2	2.40	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:508:ILE:HG22	3:M:714:ARG:HE	1.70	0.47
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.47
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:717:TYR:HB3	3:M:740:SER:O	2.13	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:508:ILE:HB	3:M:714:ARG:NH1	2.30	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.47
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.47
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.47
3:M:428:ALA:C	3:M:601:ASP:CB	2.82	0.47
3:M:173:GLN:OE1	3:M:668:HIS:HB3	2.13	0.47
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.47
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.95	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:CD1	3:M:519:LEU:N	2.77	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.47
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.79	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.47
3:M:519:LEU:CD1	3:M:519:LEU:N	2.77	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:106:LEU:HD12	3:M:117:THR:HG21	1.96	0.47
3:M:564:ASN:HD22	3:M:582:VAL:HB	1.79	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.47
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
3:M:510:TRP:CH2	3:M:711:PHE:HZ	2.24	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
2:C:146:ILE:O	3:M:797:PHE:CD1	2.67	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:838:ILE:C	3:M:840:PRO:HD2	2.34	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.47
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.47
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.47
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.47
3:M:188:ASN:ND2	3:M:674:CYS:SG	2.88	0.47
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.47
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.47
3:M:499:GLU:OE1	3:M:499:GLU:HA	2.13	0.47
3:M:499:GLU:OE1	3:M:499:GLU:HA	2.13	0.47
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.47
3:M:499:GLU:HA	3:M:499:GLU:OE1	2.13	0.47
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.47
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:503:TYR:CZ	3:M:714:ARG:NH2	2.72	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
2:C:65:PHE:HD1	2:C:65:PHE:N	2.11	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
2:C:130:GLN:HB3	2:C:142:PHE:HE2	1.79	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:723:ARG:HH11	3:M:723:ARG:HG3	1.79	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:765:VAL:CG1	3:M:766:PHE:N	2.77	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:406:VAL:CG1	3:M:407:LYS:N	2.77	0.46
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.46
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.57	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:707:CYS:O	3:M:710:GLY:N	2.49	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.57	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:707:CYS:O	3:M:710:GLY:N	2.48	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:122:PHE:CE2	3:M:700:VAL:HA	2.50	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.46
3:M:503:TYR:HE1	3:M:714:ARG:CZ	2.27	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
3:M:449:LEU:HA	3:M:449:LEU:HD12	1.60	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:524:GLU:HB3	3:M:528:LYS:HG3	1.96	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:503:TYR:CE2	3:M:714:ARG:NH2	2.80	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
3:M:221:GLN:HG2	3:M:221:GLN:H	1.49	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:CD1	3:M:519:LEU:N	2.77	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:713:SER:HB2	3:M:772:LEU:HD22	1.96	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:221:GLN:HG2	3:M:221:GLN:H	1.49	0.46
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:CD1	3:M:519:LEU:N	2.77	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:509:GLU:HB3	3:M:714:ARG:HG3	1.79	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:266:GLU:C	3:M:442:VAL:HG11	2.27	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:221:GLN:H	3:M:221:GLN:HG2	1.49	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46
3:M:519:LEU:CD1	3:M:519:LEU:N	2.77	0.46
3:M:221:GLN:HG2	3:M:221:GLN:H	1.49	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:519:LEU:N	3:M:519:LEU:CD1	2.77	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:100:ALA:CB	3:M:816:ILE:HG12	2.44	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
1:B:94:GLU:HB3	1:B:158:THR:HG21	1.96	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.46
3:M:511:GLU:OE2	3:M:761:GLY:HA3	2.12	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.46
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.46
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
3:M:508:ILE:CG1	3:M:766:PHE:HZ	2.17	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
1:B:15:VAL:HG21	1:B:86:GLU:HA	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
1:B:84:PHE:CD2	3:M:829:TRP:HH2	2.28	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
2:C:63:ILE:HG23	2:C:64:THR:N	2.30	0.46
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.53	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:695:LEU:HB3	3:M:701:LEU:HD22	1.97	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.46
3:M:400:ALA:HB1	3:M:606:THR:CG2	2.45	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:48:VAL:HG22	3:M:49:LYS:H	1.79	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.46
1:B:141:PRO:HB3	1:B:143:ASP:H	1.79	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
3:M:709:LYS:O	3:M:768:LYS:CE	2.64	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:354:LEU:HD12	3:M:354:LEU:HA	1.56	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:783:LEU:HA	3:M:786:ILE:HB	1.96	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.46
1:B:36:GLN:NE2	1:B:46:ASP:HA	2.30	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.46
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.46
3:M:354:LEU:HA	3:M:354:LEU:HD12	1.56	0.46
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.46
2:C:116:GLU:O	3:M:795:ARG:NH2	2.48	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:510:TRP:CE3	3:M:766:PHE:CG	2.87	0.46
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.96	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.46	0.46
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
2:C:50:LEU:CD1	2:C:71:MET:SD	3.02	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.46
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:509:GLU:HB2	3:M:714:ARG:HB2	1.97	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:540:CYS:HB2	3:M:602:PRO:CD	2.36	0.46
3:M:431:LYS:CE	3:M:601:ASP:H	2.28	0.46
3:M:42:HIS:O	3:M:45:GLU:O	2.33	0.46
3:M:292:MET:HE3	3:M:309:PRO:CA	2.42	0.46
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.46
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.46
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.46
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.46
3:M:488:GLN:O	3:M:491:PHE:HB3	2.16	0.46
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:509:GLU:N	3:M:714:ARG:CD	2.67	0.46
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.51	0.46
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.46
3:M:374:GLN:NE2	3:M:403:TYR:CE1	2.83	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:134:VAL:C	3:M:136:ASN:H	2.16	0.46
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.46
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.46
3:M:311:ASP:CB	3:M:312:TYR:CE1	2.98	0.46
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.15	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:496:PHE:CE2	3:M:514:ASP:HA	2.50	0.45
3:M:559:LEU:HD23	3:M:560:GLY:N	2.30	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:735:GLY:HA2	3:M:738:MET:HE2	1.98	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:508:ILE:HG23	3:M:712:PRO:O	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
1:B:36:GLN:CD	1:B:46:ASP:HA	2.36	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:220:ASP:O	3:M:224:SER:N	2.30	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.49	0.45
3:M:330:GLU:O	3:M:333:ALA:HB3	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.81	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
1:B:48:ARG:HE	1:B:64:LEU:HD13	1.80	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.45
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.45
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.16	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:176:LEU:CD1	3:M:176:LEU:N	2.74	0.45
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.45
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.44	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:176:LEU:CD1	3:M:176:LEU:N	2.74	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:595:TRP:N	3:M:595:TRP:CD1	2.80	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.45
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:30:LYS:HB2	3:M:31:PRO:HD2	1.97	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:176:LEU:CD1	3:M:176:LEU:N	2.74	0.45
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:176:LEU:CD1	3:M:176:LEU:N	2.74	0.45
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.45
3:M:709:LYS:N	3:M:710:GLY:N	2.65	0.45
3:M:176:LEU:N	3:M:176:LEU:CD1	2.74	0.45
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.45
3:M:595:TRP:CD1	3:M:595:TRP:N	2.80	0.45
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.03	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.49	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
3:M:436:LYS:NZ	3:M:647:GLN:CD	2.69	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.51	0.45
3:M:723:ARG:NH1	3:M:723:ARG:CG	2.80	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:82:PRO:HG2	3:M:85:TYR:CE2	2.50	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.17	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:709:LYS:O	3:M:768:LYS:CE	2.65	0.45
3:M:578:HIS:O	3:M:579:PHE:HB3	2.15	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:739:ASP:O	3:M:743:ALA:HB2	2.15	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:464:ILE:HG21	3:M:464:ILE:HD13	1.70	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:464:ILE:HG21	3:M:464:ILE:HD13	1.70	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:464:ILE:HD13	3:M:464:ILE:HG21	1.70	0.45
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.45
3:M:725:ARG:HH22	3:M:736:GLN:HE21	1.26	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.45
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:568:PRO:HG2	3:M:577:ALA:O	2.16	0.45
1:B:140:PHE:O	1:B:144:VAL:HB	2.16	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:509:GLU:HB2	3:M:714:ARG:CB	2.04	0.45
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.45
3:M:673:ARG:HA	3:M:673:ARG:HD2	1.78	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.47	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.45
3:M:673:ARG:HA	3:M:673:ARG:HD2	1.78	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.45
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
2:C:44:ALA:O	2:C:48:LYS:HG3	2.16	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:326:ASP:O	3:M:330:GLU:HG2	2.16	0.45
3:M:510:TRP:CA	3:M:714:ARG:NE	2.80	0.45
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.16	0.45
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.45
3:M:195:TYR:CE2	3:M:199:ILE:CD1	3.00	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.45
3:M:361:TYR:O	3:M:364:LEU:HB2	2.16	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.45
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
2:C:25:ILE:O	2:C:62:LYS:HA	2.16	0.45
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HD12	3:M:701:LEU:HA	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.45
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.45
3:M:701:LEU:HA	3:M:701:LEU:HD12	1.55	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.45
3:M:511:GLU:CD	3:M:766:PHE:CE1	2.83	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.45
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.45
3:M:715:VAL:CG1	3:M:720:PHE:HB2	2.45	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.45
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:503:TYR:CG	3:M:714:ARG:NH1	2.77	0.45
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:296:LYS:O	3:M:299:LEU:HB2	2.17	0.45
3:M:429:LEU:CA	3:M:601:ASP:O	2.63	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.98	0.45
3:M:173:GLN:HG3	3:M:670:HIS:HD2	1.82	0.45
3:M:568:PRO:HD3	3:M:579:PHE:HA	1.99	0.45
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.45
3:M:508:ILE:CD1	3:M:766:PHE:CG	3.00	0.45
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.45
2:C:93:VAL:HG21	3:M:726:VAL:HG22	1.97	0.45
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.45
3:M:464:ILE:CG2	3:M:465:ALA:N	2.79	0.45
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:511:GLU:N	3:M:766:PHE:CD1	2.84	0.44
3:M:510:TRP:CZ3	3:M:766:PHE:C	2.75	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:107:LYS:CB	3:M:686:MET:HE2	2.41	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:107:LYS:CB	3:M:686:MET:HE2	2.41	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:107:LYS:CB	3:M:686:MET:HE2	2.41	0.44
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.40	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:291:ILE:HA	3:M:331:LEU:CD1	2.39	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:265:ILE:HG22	3:M:442:VAL:HG13	1.99	0.44
3:M:99:GLU:N	3:M:100:PRO:CD	2.80	0.44
3:M:107:LYS:CB	3:M:686:MET:HE2	2.41	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:295:LYS:CG	3:M:332:MET:HE1	2.45	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:295:LYS:CG	3:M:332:MET:HE1	2.45	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:295:LYS:CG	3:M:332:MET:HE1	2.45	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:295:LYS:CG	3:M:332:MET:HE1	2.45	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.44
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:436:LYS:HZ3	3:M:647:GLN:CD	2.18	0.44
3:M:265:ILE:CG2	3:M:266:GLU:N	2.79	0.44
3:M:295:LYS:CG	3:M:332:MET:HE1	2.45	0.44
3:M:226:ASN:N	3:M:227:PRO:HD2	2.32	0.44
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:511:GLU:OE1	3:M:761:GLY:HA3	2.18	0.44
3:M:322:VAL:CG1	3:M:325:ILE:HD11	2.47	0.44
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.44
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:89:GLU:CD	3:M:153:PRO:HD2	2.37	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:320:ILE:HG22	3:M:320:ILE:O	2.18	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
1:B:42:ILE:HB	1:B:80:PHE:HZ	1.82	0.44
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.99	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:320:ILE:HG22	3:M:320:ILE:O	2.18	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:510:TRP:CA	3:M:766:PHE:CD2	3.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.99	0.44
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:488:GLN:O	3:M:491:PHE:HB3	2.17	0.44
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.44
3:M:179:GLY:O	3:M:185:LYS:HE2	2.17	0.44
3:M:510:TRP:HB2	3:M:714:ARG:NH1	2.15	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:220:ASP:O	3:M:224:SER:N	2.29	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
2:C:94:PHE:HE2	3:M:783:LEU:HD23	1.78	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.99	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.99	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	2.00	0.44
3:M:667:THR:O	3:M:669:PRO:HD3	2.16	0.44
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.44
3:M:37:SER:O	3:M:38:VAL:HG23	2.17	0.44
3:M:295:LYS:HG2	3:M:332:MET:HE2	1.99	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HA	3:M:673:ARG:HD2	1.78	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.44
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
3:M:762:HIS:N	3:M:762:HIS:CD2	2.79	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HA	3:M:673:ARG:HD2	1.78	0.44
3:M:508:ILE:CA	3:M:714:ARG:HH11	2.28	0.44
1:B:70:GLU:OE2	3:M:829:TRP:NE1	2.36	0.44
3:M:429:LEU:C	3:M:601:ASP:O	2.55	0.44
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.44
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.44
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HD2	3:M:673:ARG:HA	1.78	0.44
3:M:186:THR:O	3:M:190:LYS:HG3	2.17	0.44
3:M:673:ARG:HA	3:M:673:ARG:HD2	1.78	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:783:LEU:CD1	3:M:783:LEU:N	2.78	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:166:MET:CE	3:M:254:PHE:CD2	3.00	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:84:PHE:HD2	3:M:829:TRP:HH2	1.53	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:166:MET:CE	3:M:254:PHE:CD2	3.00	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
2:C:149:VAL:CG1	3:M:800:ARG:HB3	2.22	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
3:M:439:LEU:CD1	3:M:439:LEU:N	2.81	0.44
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:689:GLU:HA	3:M:692:LEU:HB2	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.44
3:M:322:VAL:HB	3:M:325:ILE:HG13	1.98	0.44
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.44
3:M:272:LYS:HD3	3:M:649:VAL:HG22	1.65	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:166:MET:CE	3:M:254:PHE:CD2	3.00	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:166:MET:CE	3:M:254:PHE:CD2	3.00	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:166:MET:CE	3:M:254:PHE:CD2	3.00	0.44
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:794:CYS:O	3:M:797:PHE:HB3	2.17	0.44
3:M:439:LEU:CD1	3:M:439:LEU:N	2.81	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.98	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CD	2.90	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:715:VAL:HG11	3:M:720:PHE:CD1	2.50	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.44
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.44
3:M:439:LEU:CD1	3:M:439:LEU:N	2.81	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.44
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:485:GLU:OE1	3:M:583:HIS:ND1	2.48	0.44
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.44
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.44
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:714:ARG:HD3	3:M:766:PHE:CE2	2.50	0.44
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.44
3:M:439:LEU:CD1	3:M:439:LEU:N	2.81	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
2:C:102:VAL:HB	2:C:137:ILE:CG1	2.44	0.44
3:M:439:LEU:CD1	3:M:439:LEU:N	2.81	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:810:ARG:NH1	3:M:810:ARG:HG2	2.29	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.44
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:103:LEU:HD22	3:M:692:LEU:HG	1.98	0.44
3:M:692:LEU:O	3:M:696:ARG:HG3	2.18	0.44
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.44
3:M:139:VAL:HG12	3:M:143:TYR:HD2	1.81	0.44
3:M:612:GLN:HG3	3:M:623:PHE:O	2.17	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.44
3:M:64:THR:HB	3:M:68:GLU:N	2.33	0.44
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.44
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.44
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.44
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.44
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.44
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.44
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.44
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
3:M:476:GLU:CD	3:M:476:GLU:H	2.21	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:767:PHE:CD1	3:M:771:LEU:HD23	2.52	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.44
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.44
2:C:53:PRO:HB2	2:C:56:GLU:HB2	1.99	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:436:LYS:HE3	3:M:652:LEU:HD11	1.99	0.44
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.44
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:554:LEU:HA	3:M:554:LEU:HD12	1.77	0.44
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.44
3:M:554:LEU:HD12	3:M:554:LEU:HA	1.77	0.44
1:B:128:PHE:HZ	3:M:821:ARG:NH1	2.10	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.44
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.44
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.44
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:759:ARG:O	3:M:766:PHE:N	2.32	0.44
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.44
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.44
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.44
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.44
3:M:767:PHE:CD1	3:M:771:LEU:CD2	3.00	0.44
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.44
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.44
3:M:136:ASN:O	3:M:139:VAL:N	2.47	0.44
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.44
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.44
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.44
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.44
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.44
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.44
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.44
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
1:B:148:VAL:O	1:B:150:TYR:N	2.50	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:767:PHE:CE1	3:M:771:LEU:HD23	2.52	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.43
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:123:CYS:CB	3:M:158:ILE:HD13	2.48	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:510:TRP:CZ3	3:M:711:PHE:C	2.90	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:244:SER:C	3:M:246:PHE:N	2.72	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:516:GLY:O	3:M:518:ASP:N	2.51	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:711:PHE:HB3	3:M:766:PHE:HB3	1.99	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:64:THR:HB	3:M:68:GLU:N	2.32	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:493:HIS:O	3:M:496:PHE:HB3	2.18	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:193:ILE:HD11	3:M:250:ILE:CD1	2.48	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:476:GLU:CD	3:M:476:GLU:H	2.22	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.43
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:508:ILE:CA	3:M:714:ARG:CB	2.73	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
2:C:149:VAL:HG22	3:M:797:PHE:CE1	2.44	0.43
3:M:476:GLU:CD	3:M:476:GLU:H	2.22	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:292:MET:HE1	3:M:309:PRO:CG	2.48	0.43
3:M:675:ILE:HG23	3:M:676:ILE:N	2.33	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.48	0.43
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.43
3:M:476:GLU:H	3:M:476:GLU:CD	2.22	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.43
3:M:271:GLU:HG2	3:M:476:GLU:HG2	1.89	0.43
3:M:14:ALA:N	3:M:15:PRO:HD2	2.32	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HD23	3:M:692:LEU:HA	1.85	0.43
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.80	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.85	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.43
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.85	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:510:TRP:CG	3:M:714:ARG:NH2	2.86	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:266:GLU:OE1	3:M:659:LYS:NZ	2.51	0.43
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.43
3:M:692:LEU:HA	3:M:692:LEU:HD23	1.85	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	1.99	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.43
3:M:320:ILE:HG22	3:M:320:ILE:O	2.18	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.17	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:810:ARG:NH1	3:M:810:ARG:HG2	2.29	0.43
3:M:723:ARG:NH1	3:M:723:ARG:CG	2.79	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:509:GLU:HB3	3:M:714:ARG:HB2	2.00	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:664:LEU:HA	3:M:664:LEU:HD12	1.52	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:664:LEU:HD12	3:M:664:LEU:HA	1.52	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:163:TYR:O	3:M:166:MET:HB3	2.17	0.43
3:M:346:ASP:O	3:M:350:ALA:N	2.45	0.43
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.43
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.43
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:485:GLU:HA	3:M:584:TYR:HE2	1.83	0.43
3:M:436:LYS:NZ	3:M:647:GLN:OE1	2.41	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.43
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.43
3:M:783:LEU:N	3:M:783:LEU:CD1	2.78	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:14:ALA:N	3:M:15:PRO:CD	2.81	0.43
3:M:48:VAL:HA	3:M:104:TYR:OH	2.18	0.43
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:476:GLU:CD	3:M:476:GLU:H	2.21	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.19	0.43
3:M:97:LEU:HD12	3:M:97:LEU:HA	1.67	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
1:B:79:VAL:O	1:B:83:MET:HG2	2.18	0.43
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.43
3:M:476:GLU:H	3:M:476:GLU:CD	2.21	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:476:GLU:CD	3:M:476:GLU:H	2.21	0.43
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.83	0.43
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
3:M:787:ILE:HG23	3:M:791:GLN:HG3	2.00	0.43
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.43
3:M:144:ARG:HA	3:M:144:ARG:HD2	1.79	0.43
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:476:GLU:CD	3:M:476:GLU:H	2.21	0.43
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.43
3:M:762:HIS:CD2	3:M:762:HIS:N	2.79	0.43
3:M:144:ARG:HD2	3:M:144:ARG:HA	1.79	0.43
3:M:97:LEU:HA	3:M:97:LEU:HD12	1.67	0.43
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.43
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.43
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.43
3:M:503:TYR:CE1	3:M:714:ARG:NH2	2.83	0.43
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.43
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:810:ARG:NH1	3:M:810:ARG:HG2	2.29	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.48	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:510:TRP:NE1	3:M:711:PHE:N	2.66	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:295:LYS:CG	3:M:332:MET:HE1	2.48	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.43
3:M:510:TRP:CE3	3:M:766:PHE:CD2	3.07	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.48	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:810:ARG:NH1	3:M:810:ARG:HG2	2.29	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.48	0.43
3:M:747:LEU:C	3:M:749:GLY:N	2.71	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:724:TYR:O	3:M:727:LEU:HD12	2.17	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.48	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:295:LYS:CG	3:M:332:MET:HE1	2.48	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:723:ARG:NH1	3:M:723:ARG:CG	2.80	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.48	0.43
3:M:106:LEU:HD12	3:M:106:LEU:HA	1.79	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:295:LYS:CG	3:M:332:MET:HE1	2.48	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:709:LYS:CA	3:M:710:GLY:N	2.73	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:295:LYS:CG	3:M:332:MET:HE1	2.48	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.43
3:M:295:LYS:CG	3:M:332:MET:HE1	2.48	0.43
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
2:C:24:LYS:HA	2:C:63:ILE:O	2.18	0.43
3:M:510:TRP:HB2	3:M:714:ARG:NH2	2.33	0.43
3:M:715:VAL:HG12	3:M:720:PHE:HB2	2.00	0.43
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:747:LEU:C	3:M:749:GLY:H	2.20	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
2:C:36:ALA:HA	3:M:800:ARG:HG3	1.99	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.43
3:M:398:LEU:HD12	3:M:398:LEU:HA	1.83	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.43
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.83	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
3:M:398:LEU:HD12	3:M:398:LEU:HA	1.83	0.43
3:M:175:ILE:C	3:M:176:LEU:HD12	2.39	0.43
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.43
3:M:224:SER:O	3:M:227:PRO:HD2	2.18	0.43
3:M:136:ASN:HA	3:M:137:PRO:HD3	1.49	0.43
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.43
3:M:246:PHE:HB3	3:M:270:LEU:HD12	2.01	0.43
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.19	0.43
3:M:398:LEU:HD12	3:M:398:LEU:HA	1.83	0.43
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.43
3:M:689:GLU:HA	3:M:692:LEU:HB2	1.99	0.43
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.53	0.43
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.43
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.43
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.43
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.43
3:M:289:TYR:OH	3:M:315:VAL:O	2.27	0.43
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
1:B:105:ASP:O	1:B:107:ASP:N	2.51	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.42
3:M:109:ARG:CD	3:M:117:THR:HB	2.49	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:194:GLN:HE21	3:M:194:GLN:HB3	1.43	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HD12	3:M:398:LEU:HA	1.84	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.42
3:M:292:MET:CE	3:M:309:PRO:CA	2.97	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:398:LEU:HA	3:M:398:LEU:HD12	1.84	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:507:GLY:O	3:M:764:LYS:CD	2.67	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
1:B:128:PHE:CD1	3:M:817:GLN:CG	2.96	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
1:B:63:GLU:O	1:B:67:MET:HG2	2.18	0.42
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:496:PHE:HB2	3:M:515:PHE:CD2	2.54	0.42
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:510:TRP:N	3:M:714:ARG:NE	2.67	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
1:B:137:TRP:HE3	1:B:144:VAL:HG11	1.82	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:70:GLU:OE1	1:B:87:LYS:NZ	2.50	0.42
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
1:B:112:ILE:HD12	1:B:150:TYR:CE1	2.53	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:511:GLU:OE2	3:M:761:GLY:CA	2.62	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:123:CYS:HB2	3:M:158:ILE:HD13	2.00	0.42
3:M:439:LEU:N	3:M:439:LEU:CD1	2.81	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:500:GLN:HB2	3:M:512:PHE:CZ	2.54	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.42
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.42
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.00	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:418:THR:CG2	3:M:419:VAL:N	2.79	0.42
3:M:40:VAL:HG23	3:M:76:GLN:O	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:294:ASN:OD1	3:M:307:THR:HG21	2.19	0.42
3:M:384:ASP:OD1	3:M:394:SER:OG	2.29	0.42
3:M:176:LEU:N	3:M:176:LEU:CD1	2.75	0.42
3:M:64:THR:CG2	3:M:65:GLU:H	2.31	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
1:B:161:GLU:OE1	3:M:827:LYS:HD2	2.18	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.19	0.42
3:M:735:GLY:CA	3:M:738:MET:CE	2.89	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:443:ILE:HG22	3:M:444:ARG:N	2.29	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:536:LEU:HA	3:M:536:LEU:HD12	1.69	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:510:TRP:CZ3	3:M:711:PHE:HZ	2.13	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
2:C:131:GLU:HB3	2:C:137:ILE:CG2	2.45	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:842:LEU:CD1	3:M:842:LEU:N	2.83	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:772:LEU:HA	3:M:772:LEU:HD12	1.82	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.42
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.47	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
1:B:101:PHE:CD2	3:M:816:ILE:HD12	2.47	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.42
3:M:400:ALA:CB	3:M:606:THR:HG22	2.49	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:510:TRP:CD2	3:M:766:PHE:HB3	2.53	0.42
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:91:MET:CE	3:M:119:SER:HB2	2.47	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:842:LEU:CD1	3:M:842:LEU:N	2.83	0.42
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.42
3:M:174:SER:OG	3:M:669:PRO:HA	2.18	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
2:C:110:VAL:HG12	3:M:787:ILE:HD11	1.95	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.42
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.42
3:M:295:LYS:CE	3:M:332:MET:CE	2.97	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:135:TYR:HD2	3:M:191:ARG:CG	2.33	0.42
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
3:M:709:LYS:O	3:M:710:GLY:HA2	2.12	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.71	0.42
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
3:M:842:LEU:CD1	3:M:842:LEU:N	2.82	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:519:LEU:H	3:M:519:LEU:HD12	1.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:519:LEU:H	3:M:519:LEU:HD12	1.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.42
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.42
1:B:87:LYS:HE3	3:M:829:TRP:CZ2	2.39	0.42
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.42
3:M:322:VAL:CG1	3:M:325:ILE:HG13	2.49	0.42
3:M:539:GLU:OE2	3:M:553:LYS:HD2	2.20	0.42
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.42
3:M:271:GLU:OE1	3:M:274:ARG:NH1	2.53	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:272:LYS:HB2	3:M:649:VAL:HG11	1.94	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.42
3:M:406:VAL:O	3:M:412:PHE:HA	2.20	0.42
3:M:462:LEU:HD11	3:M:464:ILE:CD1	2.50	0.42
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
2:C:149:VAL:CG2	3:M:797:PHE:HD1	2.09	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:842:LEU:CD1	3:M:842:LEU:N	2.82	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.42
3:M:169:ASP:O	3:M:170:ARG:HB2	2.19	0.42
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.42
3:M:110:TYR:O	3:M:113:TRP:N	2.42	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
1:B:114:LYS:HE3	1:B:114:LYS:HB3	1.94	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:775:LEU:HA	3:M:775:LEU:HD12	1.70	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.42
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.42
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.42
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:709:LYS:C	3:M:710:GLY:C	2.78	0.42
3:M:107:LYS:N	3:M:686:MET:HE1	2.35	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
1:B:119:GLU:O	1:B:123:THR:HG23	2.19	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.42
3:M:747:LEU:O	3:M:749:GLY:N	2.52	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.54	0.42
3:M:107:LYS:N	3:M:686:MET:HE1	2.35	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:709:LYS:C	3:M:710:GLY:C	2.78	0.42
3:M:107:LYS:N	3:M:686:MET:HE1	2.35	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
3:M:107:LYS:N	3:M:686:MET:HE1	2.35	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
2:C:116:GLU:HB3	3:M:795:ARG:HH22	1.83	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.42
3:M:107:LYS:N	3:M:686:MET:HE1	2.35	0.42
3:M:391:GLY:HA3	3:M:616:VAL:HG23	2.01	0.42
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.42
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:723:ARG:NH1	3:M:723:ARG:CG	2.79	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.42
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.42
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
2:C:30:VAL:HG22	2:C:61:LYS:HE3	2.01	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
1:B:133:ILE:O	1:B:136:MET:HB2	2.19	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.34	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.70	0.41
3:M:309:PRO:C	3:M:311:ASP:H	2.22	0.41
3:M:466:GLY:CA	3:M:484:ASN:HD21	2.32	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
1:B:42:ILE:HB	1:B:80:PHE:CZ	2.55	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:295:LYS:CD	3:M:332:MET:HE2	2.50	0.41
3:M:141:LEU:N	3:M:141:LEU:HD12	2.32	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:829:TRP:O	3:M:832:MET:N	2.50	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:295:LYS:CD	3:M:332:MET:HE2	2.50	0.41
3:M:141:LEU:N	3:M:141:LEU:HD12	2.32	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:295:LYS:CD	3:M:332:MET:HE2	2.50	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:229:LEU:HD12	3:M:229:LEU:HA	1.75	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:135:TYR:CD2	3:M:191:ARG:HD3	2.55	0.41
3:M:335:ASP:O	3:M:338:ILE:HB	2.20	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.20	0.41
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.41
3:M:151:ALA:HB1	3:M:152:PRO:HD2	2.01	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
3:M:230:GLU:HG2	3:M:246:PHE:HE1	1.85	0.41
3:M:295:LYS:CD	3:M:332:MET:HE2	2.50	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.41
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.41
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.41
3:M:402:CYS:C	3:M:404:PRO:HD3	2.40	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.41
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:503:TYR:CD1	3:M:714:ARG:NH1	2.80	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:724:TYR:HB3	3:M:727:LEU:CD1	2.46	0.41
3:M:129:TYR:HA	3:M:129:TYR:HD1	1.65	0.41
3:M:17:LEU:HA	3:M:17:LEU:HD12	1.67	0.41
2:C:126:LEU:HD21	3:M:798:LEU:HD13	2.01	0.41
3:M:442:VAL:O	3:M:445:ILE:HB	2.19	0.41
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:510:TRP:CH2	3:M:767:PHE:C	2.93	0.41
3:M:271:GLU:HG3	3:M:476:GLU:CB	2.48	0.41
3:M:173:GLN:HG3	3:M:670:HIS:CD2	2.54	0.41
3:M:129:TYR:HD1	3:M:129:TYR:HA	1.65	0.41
3:M:17:LEU:HD12	3:M:17:LEU:HA	1.67	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
3:M:62:VAL:HG12	3:M:63:LYS:N	2.34	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
1:B:87:LYS:HD3	3:M:829:TRP:CE3	2.47	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
1:B:56:ARG:NH2	3:M:837:LYS:HZ1	2.17	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:723:ARG:CG	3:M:723:ARG:NH1	2.79	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:533:PHE:HD1	3:M:533:PHE:HA	1.78	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:533:PHE:HA	3:M:533:PHE:HD1	1.78	0.41
3:M:839:LYS:N	3:M:840:PRO:HD2	2.35	0.41
3:M:60:VAL:O	3:M:72:VAL:N	2.51	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
3:M:330:GLU:H	3:M:330:GLU:HG2	1.55	0.41
3:M:330:GLU:HA	3:M:330:GLU:OE1	2.20	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
1:B:127:ARG:HD3	1:B:129:THR:HG22	2.00	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
3:M:330:GLU:HG2	3:M:330:GLU:H	1.55	0.41
3:M:330:GLU:OE1	3:M:330:GLU:HA	2.20	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:509:GLU:HG2	3:M:764:LYS:HE3	1.04	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:798:LEU:HA	3:M:798:LEU:HD12	1.36	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:509:GLU:HG2	3:M:764:LYS:HE3	1.04	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
1:B:16:PHE:HA	1:B:16:PHE:HD2	1.80	0.41
3:M:251:ARG:HD3	3:M:251:ARG:HH11	1.71	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
1:B:16:PHE:HA	1:B:16:PHE:HD2	1.80	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
3:M:226:ASN:HB2	3:M:227:PRO:CD	2.47	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.41
3:M:510:TRP:HH2	3:M:767:PHE:C	2.24	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:174:SER:HA	3:M:460:GLY:O	2.19	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:251:ARG:HD3	3:M:251:ARG:HH11	1.71	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:251:ARG:HD3	3:M:251:ARG:HH11	1.71	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41
3:M:155:ILE:HG22	3:M:156:PHE:N	2.33	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.41
3:M:793:ARG:O	3:M:797:PHE:N	2.39	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
1:B:101:PHE:HE2	3:M:816:ILE:CD1	2.17	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:826:VAL:O	3:M:828:HIS:N	2.53	0.41
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:218:LEU:O	3:M:222:ILE:HG12	2.19	0.41
3:M:724:TYR:HD1	3:M:727:LEU:CD1	2.29	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:273:SER:HG	3:M:598:LYS:HD3	1.72	0.41
3:M:787:ILE:HG21	3:M:787:ILE:HD13	1.67	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:273:SER:HG	3:M:598:LYS:HD3	1.72	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
1:B:16:PHE:HD2	1:B:16:PHE:HA	1.80	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:797:PHE:CD2	3:M:798:LEU:HD12	2.55	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:509:GLU:N	3:M:764:LYS:HG3	2.35	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:273:SER:HG	3:M:598:LYS:HD3	1.72	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:11:GLY:O	3:M:14:ALA:HB3	2.20	0.41
3:M:744:SER:O	3:M:748:LEU:HD12	2.20	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:273:SER:HG	3:M:598:LYS:HD3	1.72	0.41
3:M:445:ILE:HG22	3:M:449:LEU:HD22	2.01	0.41
3:M:62:VAL:O	3:M:69:THR:HA	2.20	0.41
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:56:GLU:HB2	3:M:59:LYS:CB	2.30	0.41
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.41
3:M:308:ASN:HA	3:M:309:PRO:HD2	1.88	0.41
3:M:136:ASN:C	3:M:138:LYS:H	2.24	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.41
3:M:295:LYS:HG2	3:M:332:MET:HE2	2.02	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:141:LEU:N	3:M:141:LEU:HD12	2.32	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.41
3:M:506:GLU:CB	3:M:764:LYS:CE	2.97	0.41
3:M:295:LYS:HG2	3:M:332:MET:HE2	2.02	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.41
3:M:835:PHE:O	3:M:839:LYS:N	2.49	0.41
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.41
3:M:295:LYS:HG2	3:M:332:MET:HE2	2.02	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:295:LYS:HG2	3:M:332:MET:HE2	2.02	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:141:LEU:N	3:M:141:LEU:HD12	2.32	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:265:ILE:C	3:M:446:ASN:ND2	2.68	0.41
3:M:295:LYS:HG2	3:M:332:MET:HE2	2.02	0.41
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:218:LEU:HD23	3:M:222:ILE:HG12	2.01	0.41
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.41
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.41
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
1:B:144:VAL:CA	1:B:148:VAL:HA	2.36	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
3:M:829:TRP:HA	3:M:830:PRO:HD2	1.86	0.41
3:M:141:LEU:HD12	3:M:141:LEU:N	2.32	0.41
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.41
3:M:320:ILE:CG2	3:M:320:ILE:O	2.68	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:251:ARG:HD3	3:M:251:ARG:HH11	1.71	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.41
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:735:GLY:CA	3:M:738:MET:HE1	2.44	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.41
3:M:842:LEU:CD1	3:M:842:LEU:N	2.83	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:H	3:M:519:LEU:HD12	1.83	0.41
2:C:60:ALA:HA	2:C:67:GLU:CD	2.41	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.41
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.41
3:M:320:ILE:CG2	3:M:320:ILE:O	2.68	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.09	0.41
1:B:114:LYS:HB3	1:B:114:LYS:HE3	1.94	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
2:C:25:ILE:HG21	2:C:33:ILE:HD12	2.01	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
2:C:60:ALA:HA	2:C:67:GLU:CD	2.41	0.41
3:M:401:LEU:HD12	3:M:401:LEU:HA	1.98	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.41
3:M:251:ARG:HD3	3:M:251:ARG:HH11	1.71	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:709:LYS:C	3:M:710:GLY:O	2.57	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:H	3:M:519:LEU:HD12	1.83	0.41
1:B:125:CYS:HB3	1:B:126:ASP:H	1.80	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.41
3:M:265:ILE:C	3:M:446:ASN:HD21	2.24	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.41
3:M:38:VAL:HG13	3:M:39:PHE:N	2.35	0.41
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.41
3:M:166:MET:CE	3:M:254:PHE:HB2	2.46	0.41
3:M:14:ALA:HB3	3:M:15:PRO:CD	2.46	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.41
3:M:508:ILE:HG21	3:M:714:ARG:CZ	2.48	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:251:ARG:HH11	3:M:251:ARG:HD3	1.71	0.41
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.41
3:M:270:LEU:CG	3:M:285:TYR:CE1	2.81	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:519:LEU:HD12	3:M:519:LEU:H	1.83	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.41
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.41
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:533:PHE:O	3:M:537:GLU:N	2.49	0.41
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.41
3:M:421:GLN:CG	3:M:543:PRO:C	2.49	0.41
3:M:195:TYR:CE2	3:M:199:ILE:HD13	2.55	0.41
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.41
3:M:322:VAL:HA	3:M:323:PRO:HD3	1.87	0.41
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.41
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.41
3:M:690:LEU:O	3:M:694:GLN:HG3	2.20	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.41
3:M:320:ILE:HG22	3:M:320:ILE:O	2.18	0.41
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.41
3:M:320:ILE:CG2	3:M:320:ILE:O	2.68	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
3:M:320:ILE:CG2	3:M:320:ILE:O	2.68	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
1:B:144:VAL:HG22	1:B:148:VAL:HG13	2.01	0.41
3:M:449:LEU:N	3:M:449:LEU:CD1	2.81	0.41
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.41
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.41
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:320:ILE:HG22	3:M:320:ILE:O	2.18	0.41
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
3:M:508:ILE:HB	3:M:714:ARG:CZ	2.35	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
3:M:449:LEU:CD1	3:M:449:LEU:N	2.81	0.41
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.41
3:M:320:ILE:O	3:M:320:ILE:HG22	2.18	0.41
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.41
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.41
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.41
3:M:320:ILE:O	3:M:320:ILE:CG2	2.68	0.41
3:M:305:ILE:HG22	3:M:312:TYR:OH	2.21	0.41
3:M:193:ILE:HD11	3:M:250:ILE:HD12	2.03	0.41
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.41
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.41
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.40
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:510:TRP:CD2	3:M:711:PHE:CA	2.85	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:87:LYS:HZ1	3:M:829:TRP:HE1	1.57	0.40
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:776:GLU:O	3:M:780:ASP:N	2.45	0.40
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:798:LEU:HD12	3:M:798:LEU:HA	1.36	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:538:GLU:O	3:M:541:MET:N	2.44	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:279:LEU:CB	3:M:280:PRO:HD2	2.49	0.40
3:M:116:TYR:HE1	3:M:125:THR:HG1	1.66	0.40
3:M:136:ASN:O	3:M:138:LYS:N	2.54	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:271:GLU:HG3	3:M:476:GLU:HB3	2.03	0.40
3:M:485:GLU:OE2	3:M:584:TYR:N	2.50	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:610:LEU:N	3:M:610:LEU:CD1	2.85	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.40
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.40
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:709:LYS:N	3:M:710:GLY:N	2.69	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:47:PHE:HE1	3:M:78:PHE:CE1	2.39	0.40
3:M:493:HIS:O	3:M:496:PHE:N	2.54	0.40
3:M:610:LEU:CD1	3:M:610:LEU:N	2.85	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:447:GLN:HB2	3:M:450:ASP:HB2	2.03	0.40
3:M:775:LEU:HD12	3:M:775:LEU:HA	1.71	0.40
3:M:166:MET:CE	3:M:254:PHE:CD2	3.01	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:401:LEU:HA	3:M:401:LEU:HD12	1.98	0.40
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
1:B:16:PHE:HA	1:B:16:PHE:HD2	1.80	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.04	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:536:LEU:HD12	3:M:536:LEU:HA	1.69	0.40
3:M:356:GLY:HA2	3:M:359:MET:HG3	2.02	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:292:MET:HE1	3:M:309:PRO:CG	2.51	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
1:B:128:PHE:CG	3:M:817:GLN:HG2	2.56	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:292:MET:HE1	3:M:309:PRO:CG	2.51	0.40
3:M:810:ARG:HG2	3:M:810:ARG:NH1	2.29	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:709:LYS:O	3:M:710:GLY:HA2	2.21	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:712:PRO:HB2	3:M:713:SER:H	1.61	0.40
1:B:114:LYS:HE3	1:B:114:LYS:HB3	1.94	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:292:MET:HE1	3:M:309:PRO:CG	2.51	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:435:GLU:O	3:M:438:PHE:N	2.55	0.40
3:M:263:ALA:CA	3:M:449:LEU:O	2.70	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
1:B:128:PHE:CZ	3:M:817:GLN:CB	3.04	0.40
3:M:292:MET:HE1	3:M:309:PRO:CG	2.51	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:842:LEU:N	3:M:842:LEU:CD1	2.83	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
2:C:108:ARG:CG	2:C:127:MET:SD	3.08	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.40
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.84	0.40
1:B:34:ILE:HB	1:B:42:ILE:HD11	2.03	0.40
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:303:LEU:O	3:M:304:LEU:HB2	2.21	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:528:LYS:HB3	3:M:529:PRO:HD2	2.03	0.40
3:M:485:GLU:OE1	3:M:583:HIS:HB3	2.22	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:657:LEU:O	3:M:657:LEU:HD12	2.21	0.40
3:M:709:LYS:O	3:M:711:PHE:CD2	2.74	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.56	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.21	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.40
1:B:80:PHE:HB3	1:B:84:PHE:CE1	2.56	0.40
3:M:709:LYS:O	3:M:710:GLY:CA	2.68	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:CD2	3:M:578:HIS:N	2.89	0.40
3:M:772:LEU:HA	3:M:772:LEU:HD12	1.82	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:709:LYS:O	3:M:711:PHE:CD2	2.74	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.56	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
2:C:102:VAL:HG22	2:C:139:TYR:CD2	2.57	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:756:THR:HB	3:M:757:GLN:H	1.63	0.40
3:M:510:TRP:NE1	3:M:711:PHE:N	2.65	0.40
3:M:310:TYR:OH	3:M:320:ILE:HD11	2.21	0.40
3:M:229:LEU:HA	3:M:229:LEU:HD12	1.75	0.40
3:M:578:HIS:N	3:M:578:HIS:CD2	2.89	0.40
2:C:60:ALA:HA	2:C:67:GLU:CD	2.42	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:113:LYS:HD2	1:B:116:PHE:CE1	2.57	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:753:VAL:O	3:M:755:HIS:ND1	2.54	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:709:LYS:O	3:M:710:GLY:CA	2.68	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:812:SER:O	3:M:816:ILE:HG13	2.20	0.40
3:M:709:LYS:O	3:M:710:GLY:CA	2.68	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:755:HIS:HA	3:M:758:TYR:CZ	2.55	0.40
3:M:25:ILE:HG23	3:M:29:ASN:HD22	1.85	0.40
2:C:130:GLN:HB3	2:C:142:PHE:CE2	2.57	0.40
3:M:193:ILE:CD1	3:M:250:ILE:HD13	2.51	0.40
3:M:193:ILE:HD13	3:M:252:ILE:HD11	2.03	0.40
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:107:LYS:N	3:M:686:MET:HE1	2.36	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
2:C:60:ALA:O	2:C:67:GLU:HB3	2.21	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
1:B:121:LEU:O	1:B:128:PHE:HB2	2.22	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:725:ARG:HH21	3:M:736:GLN:NE2	2.04	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
2:C:95:ASP:HB2	2:C:102:VAL:HA	2.02	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
3:M:717:TYR:OH	3:M:760:PHE:HB3	2.21	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:787:ILE:HD13	3:M:787:ILE:HG21	1.67	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:107:LYS:N	3:M:686:MET:HE1	2.36	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:767:PHE:HD1	3:M:771:LEU:HD22	1.87	0.40
3:M:730:SER:C	3:M:732:ILE:CB	2.88	0.40
2:C:58:MET:HA	2:C:62:LYS:CB	2.51	0.40
3:M:89:GLU:HB3	3:M:153:PRO:HG3	2.03	0.40
3:M:322:VAL:HB	3:M:325:ILE:HD12	2.02	0.40
3:M:322:VAL:HG12	3:M:325:ILE:HG13	2.03	0.40
1:B:123:THR:HB	2:C:19:ARG:CG	2.51	0.40
2:C:56:GLU:O	2:C:60:ALA:N	2.55	0.40
3:M:657:LEU:HD12	3:M:657:LEU:O	2.21	0.40
3:M:449:LEU:HD12	3:M:449:LEU:HA	1.60	0.40
3:M:72:VAL:O	3:M:73:LYS:O	2.39	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:237:THR:CG2	3:M:238:VAL:N	2.85	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:107:LYS:N	3:M:686:MET:HE1	2.36	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
3:M:107:LYS:N	3:M:686:MET:HE1	2.36	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40
2:C:91:LEU:HB3	2:C:139:TYR:CE2	2.56	0.40
3:M:264:ASP:HA	3:M:446:ASN:HB3	2.01	0.40
1:B:118:GLU:HG2	1:B:137:TRP:HZ2	1.83	0.40
1:B:115:SER:N	1:B:118:GLU:HG3	2.36	0.40
3:M:107:LYS:N	3:M:686:MET:HE1	2.36	0.40
3:M:400:ALA:CB	3:M:606:THR:CG2	3.00	0.40
3:M:384:ASP:HA	3:M:394:SER:OG	2.21	0.40
3:M:172:ASN:OD1	3:M:457:TYR:HA	2.22	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 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 EM 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	1-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 19
1	2-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 19
1	3-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 19
1	4-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1 19

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	5-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1	19
1	6-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	7-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	8-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	9-B	148/150 (99%)	120 (81%)	16 (11%)	12 (8%)	1	19
1	10-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	11-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	12-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	13-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
1	14-B	148/150 (99%)	119 (80%)	17 (12%)	12 (8%)	1	19
2	1-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	2-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	3-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	4-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	5-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	6-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	7-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	8-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	9-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	10-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	11-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	12-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	13-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
2	14-C	143/145 (99%)	111 (78%)	20 (14%)	12 (8%)	1	18
3	1-M	788/840 (94%)	651 (83%)	114 (14%)	23 (3%)	6	43
3	2-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	6	43
3	3-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	4-M	786/840 (94%)	649 (83%)	114 (14%)	23 (3%)	6	43
3	5-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	6-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	7-M	788/840 (94%)	651 (83%)	113 (14%)	24 (3%)	5	42

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	8-M	788/840 (94%)	651 (83%)	114 (14%)	23 (3%)	6	43
3	9-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	10-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	11-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	12-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	13-M	786/840 (94%)	649 (83%)	115 (15%)	22 (3%)	6	44
3	14-M	788/840 (94%)	651 (83%)	115 (15%)	22 (3%)	6	44
All	All	15086/15890 (95%)	12316 (82%)	2120 (14%)	650 (4%)	6	34

All (650) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	1-B	76	ASN
1	1-B	109	LYS
1	1-B	115	SER
1	1-B	141	PRO
1	1-B	142	PRO
1	1-B	149	ASP
2	1-C	7	ILE
2	1-C	41	PRO
2	1-C	61	LYS
2	1-C	133	SER
3	1-M	73	LYS
3	1-M	712	PRO
3	1-M	729	ALA
3	1-M	751	ILE
3	1-M	757	GLN
3	1-M	762	HIS
1	2-B	76	ASN
1	2-B	109	LYS
1	2-B	115	SER
1	2-B	141	PRO
1	2-B	142	PRO
1	2-B	149	ASP
2	2-C	7	ILE
2	2-C	41	PRO
2	2-C	61	LYS
2	2-C	133	SER
3	2-M	73	LYS
3	2-M	712	PRO

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Mol	Chain	Res	Type
3	2-M	729	ALA
3	2-M	751	ILE
3	2-M	757	GLN
3	2-M	762	HIS
1	3-B	76	ASN
1	3-B	109	LYS
1	3-B	115	SER
1	3-B	141	PRO
1	3-B	142	PRO
1	3-B	149	ASP
2	3-C	7	ILE
2	3-C	41	PRO
2	3-C	61	LYS
2	3-C	133	SER
3	3-M	73	LYS
3	3-M	712	PRO
3	3-M	729	ALA
3	3-M	751	ILE
3	3-M	757	GLN
3	3-M	762	HIS
1	4-B	76	ASN
1	4-B	109	LYS
1	4-B	115	SER
1	4-B	141	PRO
1	4-B	142	PRO
1	4-B	149	ASP
2	4-C	7	ILE
2	4-C	41	PRO
2	4-C	61	LYS
2	4-C	133	SER
3	4-M	73	LYS
3	4-M	712	PRO
3	4-M	729	ALA
3	4-M	751	ILE
3	4-M	757	GLN
3	4-M	762	HIS
1	5-B	76	ASN
1	5-B	109	LYS
1	5-B	115	SER
1	5-B	141	PRO
1	5-B	142	PRO
1	5-B	149	ASP

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Mol	Chain	Res	Type
2	5-C	7	ILE
2	5-C	41	PRO
2	5-C	61	LYS
2	5-C	133	SER
3	5-M	73	LYS
3	5-M	712	PRO
3	5-M	729	ALA
3	5-M	751	ILE
3	5-M	757	GLN
3	5-M	762	HIS
1	6-B	76	ASN
1	6-B	109	LYS
1	6-B	115	SER
1	6-B	141	PRO
1	6-B	142	PRO
1	6-B	149	ASP
2	6-C	7	ILE
2	6-C	41	PRO
2	6-C	61	LYS
2	6-C	133	SER
3	6-M	73	LYS
3	6-M	712	PRO
3	6-M	729	ALA
3	6-M	751	ILE
3	6-M	757	GLN
3	6-M	762	HIS
1	7-B	76	ASN
1	7-B	109	LYS
1	7-B	115	SER
1	7-B	141	PRO
1	7-B	142	PRO
1	7-B	149	ASP
2	7-C	7	ILE
2	7-C	41	PRO
2	7-C	61	LYS
2	7-C	133	SER
3	7-M	73	LYS
3	7-M	712	PRO
3	7-M	729	ALA
3	7-M	751	ILE
3	7-M	757	GLN
3	7-M	762	HIS

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Mol	Chain	Res	Type
1	8-B	76	ASN
1	8-B	109	LYS
1	8-B	115	SER
1	8-B	141	PRO
1	8-B	142	PRO
1	8-B	149	ASP
2	8-C	7	ILE
2	8-C	41	PRO
2	8-C	61	LYS
2	8-C	133	SER
3	8-M	73	LYS
3	8-M	712	PRO
3	8-M	729	ALA
3	8-M	751	ILE
3	8-M	757	GLN
3	8-M	762	HIS
1	9-B	76	ASN
1	9-B	109	LYS
1	9-B	115	SER
1	9-B	141	PRO
1	9-B	142	PRO
1	9-B	149	ASP
2	9-C	7	ILE
2	9-C	41	PRO
2	9-C	61	LYS
2	9-C	133	SER
3	9-M	73	LYS
3	9-M	712	PRO
3	9-M	729	ALA
3	9-M	751	ILE
3	9-M	757	GLN
3	9-M	762	HIS
1	10-B	76	ASN
1	10-B	109	LYS
1	10-B	115	SER
1	10-B	141	PRO
1	10-B	142	PRO
1	10-B	149	ASP
2	10-C	7	ILE
2	10-C	41	PRO
2	10-C	61	LYS
2	10-C	133	SER

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Mol	Chain	Res	Type
3	10-M	73	LYS
3	10-M	712	PRO
3	10-M	729	ALA
3	10-M	751	ILE
3	10-M	757	GLN
3	10-M	762	HIS
1	11-B	76	ASN
1	11-B	109	LYS
1	11-B	115	SER
1	11-B	141	PRO
1	11-B	142	PRO
1	11-B	149	ASP
2	11-C	7	ILE
2	11-C	41	PRO
2	11-C	61	LYS
2	11-C	133	SER
3	11-M	73	LYS
3	11-M	712	PRO
3	11-M	729	ALA
3	11-M	751	ILE
3	11-M	757	GLN
3	11-M	762	HIS
1	12-B	76	ASN
1	12-B	109	LYS
1	12-B	115	SER
1	12-B	141	PRO
1	12-B	142	PRO
1	12-B	149	ASP
2	12-C	7	ILE
2	12-C	41	PRO
2	12-C	61	LYS
2	12-C	133	SER
3	12-M	73	LYS
3	12-M	712	PRO
3	12-M	729	ALA
3	12-M	751	ILE
3	12-M	757	GLN
3	12-M	762	HIS
1	13-B	76	ASN
1	13-B	109	LYS
1	13-B	115	SER
1	13-B	141	PRO

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Mol	Chain	Res	Type
1	13-B	142	PRO
1	13-B	149	ASP
2	13-C	7	ILE
2	13-C	41	PRO
2	13-C	61	LYS
2	13-C	133	SER
3	13-M	73	LYS
3	13-M	712	PRO
3	13-M	729	ALA
3	13-M	751	ILE
3	13-M	757	GLN
3	13-M	762	HIS
1	14-B	76	ASN
1	14-B	109	LYS
1	14-B	115	SER
1	14-B	141	PRO
1	14-B	142	PRO
1	14-B	149	ASP
2	14-C	7	ILE
2	14-C	41	PRO
2	14-C	61	LYS
2	14-C	133	SER
3	14-M	73	LYS
3	14-M	712	PRO
3	14-M	729	ALA
3	14-M	751	ILE
3	14-M	757	GLN
3	14-M	762	HIS
1	1-B	35	ASP
1	1-B	77	PHE
1	1-B	123	THR
1	1-B	125	CYS
2	1-C	9	ASP
2	1-C	44	ALA
2	1-C	63	ILE
3	1-M	11	GLY
3	1-M	21	GLU
3	1-M	517	MET
3	1-M	532	ILE
3	1-M	731	ALA
3	1-M	827	LYS
1	2-B	35	ASP

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Mol	Chain	Res	Type
1	2-B	77	PHE
1	2-B	123	THR
1	2-B	125	CYS
2	2-C	9	ASP
2	2-C	44	ALA
2	2-C	63	ILE
3	2-M	11	GLY
3	2-M	21	GLU
3	2-M	517	MET
3	2-M	532	ILE
3	2-M	731	ALA
3	2-M	827	LYS
1	3-B	35	ASP
1	3-B	77	PHE
1	3-B	123	THR
1	3-B	125	CYS
2	3-C	9	ASP
2	3-C	44	ALA
2	3-C	63	ILE
3	3-M	11	GLY
3	3-M	21	GLU
3	3-M	517	MET
3	3-M	731	ALA
3	3-M	827	LYS
1	4-B	35	ASP
1	4-B	77	PHE
1	4-B	123	THR
1	4-B	125	CYS
2	4-C	9	ASP
2	4-C	44	ALA
3	4-M	11	GLY
3	4-M	21	GLU
3	4-M	517	MET
3	4-M	532	ILE
3	4-M	731	ALA
3	4-M	827	LYS
1	5-B	35	ASP
1	5-B	77	PHE
1	5-B	123	THR
1	5-B	125	CYS
2	5-C	9	ASP
2	5-C	44	ALA

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Mol	Chain	Res	Type
3	5-M	11	GLY
3	5-M	21	GLU
3	5-M	517	MET
3	5-M	731	ALA
3	5-M	827	LYS
1	6-B	35	ASP
1	6-B	77	PHE
1	6-B	123	THR
1	6-B	125	CYS
2	6-C	9	ASP
2	6-C	44	ALA
3	6-M	11	GLY
3	6-M	21	GLU
3	6-M	517	MET
3	6-M	731	ALA
3	6-M	827	LYS
1	7-B	35	ASP
1	7-B	77	PHE
1	7-B	123	THR
1	7-B	125	CYS
2	7-C	9	ASP
2	7-C	44	ALA
2	7-C	63	ILE
3	7-M	11	GLY
3	7-M	21	GLU
3	7-M	517	MET
3	7-M	532	ILE
3	7-M	731	ALA
3	7-M	827	LYS
1	8-B	35	ASP
1	8-B	77	PHE
1	8-B	123	THR
1	8-B	125	CYS
2	8-C	9	ASP
2	8-C	44	ALA
2	8-C	63	ILE
3	8-M	11	GLY
3	8-M	21	GLU
3	8-M	517	MET
3	8-M	532	ILE
3	8-M	731	ALA
3	8-M	827	LYS

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Mol	Chain	Res	Type
1	9-B	35	ASP
1	9-B	77	PHE
1	9-B	123	THR
1	9-B	125	CYS
2	9-C	9	ASP
2	9-C	44	ALA
3	9-M	11	GLY
3	9-M	21	GLU
3	9-M	517	MET
3	9-M	731	ALA
3	9-M	827	LYS
1	10-B	35	ASP
1	10-B	77	PHE
1	10-B	123	THR
1	10-B	125	CYS
2	10-C	9	ASP
2	10-C	44	ALA
3	10-M	11	GLY
3	10-M	21	GLU
3	10-M	517	MET
3	10-M	731	ALA
3	10-M	827	LYS
1	11-B	35	ASP
1	11-B	77	PHE
1	11-B	123	THR
1	11-B	125	CYS
2	11-C	9	ASP
2	11-C	44	ALA
3	11-M	11	GLY
3	11-M	21	GLU
3	11-M	517	MET
3	11-M	731	ALA
3	11-M	827	LYS
1	12-B	35	ASP
1	12-B	77	PHE
1	12-B	123	THR
1	12-B	125	CYS
2	12-C	9	ASP
2	12-C	44	ALA
3	12-M	11	GLY
3	12-M	21	GLU
3	12-M	517	MET

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Mol	Chain	Res	Type
3	12-M	731	ALA
3	12-M	827	LYS
1	13-B	35	ASP
1	13-B	77	PHE
1	13-B	123	THR
1	13-B	125	CYS
2	13-C	9	ASP
2	13-C	44	ALA
3	13-M	11	GLY
3	13-M	21	GLU
3	13-M	517	MET
3	13-M	731	ALA
3	13-M	827	LYS
1	14-B	35	ASP
1	14-B	77	PHE
1	14-B	123	THR
1	14-B	125	CYS
2	14-C	9	ASP
2	14-C	44	ALA
3	14-M	11	GLY
3	14-M	21	GLU
3	14-M	517	MET
3	14-M	731	ALA
3	14-M	827	LYS
1	1-B	18	MET
2	1-C	20	THR
2	1-C	128	LYS
3	1-M	58	GLY
3	1-M	294	ASN
1	2-B	18	MET
2	2-C	20	THR
2	2-C	128	LYS
3	2-M	58	GLY
3	2-M	294	ASN
1	3-B	18	MET
2	3-C	20	THR
2	3-C	128	LYS
3	3-M	58	GLY
3	3-M	294	ASN
3	3-M	532	ILE
1	4-B	18	MET
2	4-C	20	THR

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Mol	Chain	Res	Type
2	4-C	63	ILE
2	4-C	128	LYS
3	4-M	58	GLY
3	4-M	294	ASN
1	5-B	18	MET
2	5-C	20	THR
2	5-C	63	ILE
2	5-C	128	LYS
3	5-M	58	GLY
3	5-M	294	ASN
3	5-M	532	ILE
1	6-B	18	MET
2	6-C	20	THR
2	6-C	63	ILE
2	6-C	128	LYS
3	6-M	58	GLY
3	6-M	294	ASN
3	6-M	532	ILE
1	7-B	18	MET
2	7-C	20	THR
2	7-C	128	LYS
3	7-M	58	GLY
3	7-M	294	ASN
1	8-B	18	MET
2	8-C	20	THR
2	8-C	128	LYS
3	8-M	58	GLY
3	8-M	294	ASN
1	9-B	18	MET
2	9-C	20	THR
2	9-C	63	ILE
2	9-C	128	LYS
3	9-M	58	GLY
3	9-M	294	ASN
3	9-M	532	ILE
1	10-B	18	MET
2	10-C	20	THR
2	10-C	63	ILE
2	10-C	128	LYS
3	10-M	58	GLY
3	10-M	294	ASN
3	10-M	532	ILE

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Mol	Chain	Res	Type
1	11-B	18	MET
2	11-C	20	THR
2	11-C	63	ILE
2	11-C	128	LYS
3	11-M	58	GLY
3	11-M	294	ASN
3	11-M	532	ILE
1	12-B	18	MET
2	12-C	20	THR
2	12-C	63	ILE
2	12-C	128	LYS
3	12-M	58	GLY
3	12-M	294	ASN
3	12-M	532	ILE
1	13-B	18	MET
2	13-C	20	THR
2	13-C	63	ILE
2	13-C	128	LYS
3	13-M	58	GLY
3	13-M	294	ASN
3	13-M	532	ILE
1	14-B	18	MET
2	14-C	20	THR
2	14-C	63	ILE
2	14-C	128	LYS
3	14-M	58	GLY
3	14-M	294	ASN
3	14-M	532	ILE
2	1-C	96	LYS
3	1-M	269	LEU
3	1-M	435	GLU
3	1-M	817	GLN
2	2-C	96	LYS
3	2-M	269	LEU
3	2-M	435	GLU
3	2-M	817	GLN
2	3-C	96	LYS
3	3-M	269	LEU
3	3-M	435	GLU
3	3-M	817	GLN
2	4-C	96	LYS
3	4-M	269	LEU

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Mol	Chain	Res	Type
3	4-M	435	GLU
3	4-M	817	GLN
2	5-C	96	LYS
3	5-M	269	LEU
3	5-M	435	GLU
3	5-M	817	GLN
2	6-C	96	LYS
3	6-M	269	LEU
3	6-M	435	GLU
3	6-M	817	GLN
2	7-C	96	LYS
3	7-M	269	LEU
3	7-M	435	GLU
3	7-M	817	GLN
2	8-C	96	LYS
3	8-M	269	LEU
3	8-M	435	GLU
3	8-M	817	GLN
2	9-C	96	LYS
3	9-M	269	LEU
3	9-M	435	GLU
3	9-M	817	GLN
2	10-C	96	LYS
3	10-M	269	LEU
3	10-M	435	GLU
3	10-M	817	GLN
2	11-C	96	LYS
3	11-M	269	LEU
3	11-M	435	GLU
3	11-M	817	GLN
2	12-C	96	LYS
3	12-M	269	LEU
3	12-M	435	GLU
3	12-M	817	GLN
2	13-C	96	LYS
3	13-M	269	LEU
3	13-M	435	GLU
3	13-M	817	GLN
2	14-C	96	LYS
3	14-M	269	LEU
3	14-M	435	GLU
3	14-M	817	GLN

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Mol	Chain	Res	Type
1	1-B	105	ASP
3	1-M	8	ALA
3	1-M	556	ASP
1	2-B	105	ASP
3	2-M	8	ALA
3	2-M	556	ASP
1	3-B	105	ASP
3	3-M	8	ALA
3	3-M	556	ASP
1	4-B	105	ASP
2	4-C	148	SER
3	4-M	8	ALA
3	4-M	556	ASP
1	5-B	105	ASP
3	5-M	8	ALA
3	5-M	556	ASP
1	6-B	105	ASP
2	6-C	148	SER
3	6-M	8	ALA
3	6-M	556	ASP
1	7-B	105	ASP
2	7-C	148	SER
3	7-M	8	ALA
3	7-M	556	ASP
1	8-B	105	ASP
2	8-C	148	SER
3	8-M	8	ALA
3	8-M	556	ASP
1	9-B	105	ASP
3	9-M	8	ALA
3	9-M	556	ASP
1	10-B	105	ASP
3	10-M	8	ALA
3	10-M	556	ASP
1	11-B	105	ASP
3	11-M	8	ALA
3	11-M	556	ASP
1	12-B	105	ASP
3	12-M	8	ALA
3	12-M	556	ASP
1	13-B	105	ASP
3	13-M	8	ALA

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Mol	Chain	Res	Type
3	13-M	556	ASP
1	14-B	105	ASP
3	14-M	8	ALA
3	14-M	556	ASP
2	1-C	148	SER
3	1-M	79	SER
3	1-M	219	GLU
2	2-C	148	SER
3	2-M	79	SER
3	2-M	219	GLU
2	3-C	148	SER
3	3-M	79	SER
3	4-M	79	SER
3	4-M	219	GLU
2	5-C	148	SER
3	5-M	79	SER
3	6-M	79	SER
3	7-M	79	SER
3	7-M	219	GLU
3	7-M	822	SER
3	8-M	79	SER
3	8-M	219	GLU
2	9-C	148	SER
3	9-M	79	SER
2	10-C	148	SER
3	10-M	219	GLU
2	11-C	148	SER
3	11-M	219	GLU
2	12-C	148	SER
3	12-M	219	GLU
2	13-C	148	SER
3	13-M	219	GLU
2	14-C	148	SER
3	14-M	219	GLU
3	1-M	287	ILE
3	1-M	840	PRO
3	2-M	287	ILE
3	2-M	840	PRO
3	3-M	287	ILE
3	3-M	840	PRO
3	4-M	287	ILE
3	4-M	840	PRO

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Mol	Chain	Res	Type
3	5-M	287	ILE
3	5-M	840	PRO
3	6-M	287	ILE
3	6-M	840	PRO
3	7-M	287	ILE
3	7-M	840	PRO
3	8-M	287	ILE
3	8-M	840	PRO
3	9-M	287	ILE
3	9-M	840	PRO
3	10-M	287	ILE
3	10-M	840	PRO
3	11-M	287	ILE
3	11-M	840	PRO
3	12-M	287	ILE
3	12-M	840	PRO
3	13-M	287	ILE
3	13-M	840	PRO
3	14-M	287	ILE
3	14-M	840	PRO
2	3-C	115	GLY
2	4-C	115	GLY
2	6-C	115	GLY
2	9-C	115	GLY
2	10-C	115	GLY
2	11-C	115	GLY
2	12-C	115	GLY
2	13-C	115	GLY
2	14-C	115	GLY
2	1-C	115	GLY
2	2-C	115	GLY
2	5-C	115	GLY
2	7-C	115	GLY
2	8-C	115	GLY

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM 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	1-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	2-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	3-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	4-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	5-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	6-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	7-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	8-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	9-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	10-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	11-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	12-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	13-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
1	14-B	128/130 (98%)	116 (91%)	12 (9%)	11	42
2	1-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	2-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	3-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	4-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	5-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	6-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	7-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	8-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	9-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	10-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	11-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	12-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	13-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
2	14-C	120/122 (98%)	109 (91%)	11 (9%)	11	43
3	1-M	693/724 (96%)	522 (75%)	171 (25%)	1	6
3	2-M	693/724 (96%)	522 (75%)	171 (25%)	1	6
3	3-M	693/724 (96%)	523 (76%)	170 (24%)	1	6
3	4-M	693/724 (96%)	522 (75%)	171 (25%)	1	6

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	5-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	6-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	7-M	693/724 (96%)	522 (75%)	171 (25%)	1 6
3	8-M	693/724 (96%)	522 (75%)	171 (25%)	1 6
3	9-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	10-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	11-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	12-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	13-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
3	14-M	693/724 (96%)	523 (76%)	170 (24%)	1 6
All	All	13174/13664 (96%)	10467 (80%)	2707 (20%)	4 10

All (2707) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1-B	14	ASN
1	1-B	16	PHE
1	1-B	35	ASP
1	1-B	65	ASP
1	1-B	75	ILE
1	1-B	114	LYS
1	1-B	117	LEU
1	1-B	129	THR
1	1-B	141	PRO
1	1-B	144	VAL
1	1-B	147	ASN
1	1-B	162	ASP
2	1-C	5	ASP
2	1-C	9	ASP
2	1-C	22	ASP
2	1-C	49	ILE
2	1-C	63	ILE
2	1-C	65	PHE
2	1-C	84	PHE
2	1-C	95	ASP
2	1-C	102	VAL
2	1-C	131	GLU
2	1-C	137	ILE

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Mol	Chain	Res	Type
3	1-M	4	ASP
3	1-M	7	MET
3	1-M	12	GLU
3	1-M	15	PRO
3	1-M	17	LEU
3	1-M	20	SER
3	1-M	22	LYS
3	1-M	30	LYS
3	1-M	35	LYS
3	1-M	36	SER
3	1-M	37	SER
3	1-M	46	SER
3	1-M	49	LYS
3	1-M	55	LYS
3	1-M	61	THR
3	1-M	69	THR
3	1-M	70	LEU
3	1-M	72	VAL
3	1-M	73	LYS
3	1-M	75	ASP
3	1-M	76	GLN
3	1-M	97	LEU
3	1-M	106	LEU
3	1-M	109	ARG
3	1-M	114	MET
3	1-M	117	THR
3	1-M	121	LEU
3	1-M	126	VAL
3	1-M	127	ASN
3	1-M	135	TYR
3	1-M	136	ASN
3	1-M	146	LYS
3	1-M	149	GLN
3	1-M	155	ILE
3	1-M	157	SER
3	1-M	158	ILE
3	1-M	159	SER
3	1-M	165	PHE
3	1-M	167	LEU
3	1-M	169	ASP
3	1-M	173	GLN
3	1-M	178	THR

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Mol	Chain	Res	Type
3	1-M	185	LYS
3	1-M	186	THR
3	1-M	187	VAL
3	1-M	191	ARG
3	1-M	193	ILE
3	1-M	194	GLN
3	1-M	198	THR
3	1-M	199	ILE
3	1-M	202	SER
3	1-M	218	LEU
3	1-M	221	GLN
3	1-M	223	ILE
3	1-M	227	PRO
3	1-M	229	LEU
3	1-M	244	SER
3	1-M	245	ARG
3	1-M	248	LYS
3	1-M	251	ARG
3	1-M	264	ASP
3	1-M	273	SER
3	1-M	274	ARG
3	1-M	278	GLN
3	1-M	282	GLU
3	1-M	287	ILE
3	1-M	290	GLN
3	1-M	294	ASN
3	1-M	298	GLU
3	1-M	300	ILE
3	1-M	325	ILE
3	1-M	331	LEU
3	1-M	336	SER
3	1-M	351	ILE
3	1-M	354	LEU
3	1-M	364	LEU
3	1-M	365	LYS
3	1-M	372	GLU
3	1-M	376	GLU
3	1-M	381	GLU
3	1-M	389	LEU
3	1-M	392	LEU
3	1-M	394	SER
3	1-M	399	LYS

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Mol	Chain	Res	Type
3	1-M	405	ARG
3	1-M	410	ASN
3	1-M	436	LYS
3	1-M	439	LEU
3	1-M	447	GLN
3	1-M	448	GLN
3	1-M	449	LEU
3	1-M	453	GLN
3	1-M	455	ARG
3	1-M	457	TYR
3	1-M	462	LEU
3	1-M	471	ASP
3	1-M	474	SER
3	1-M	480	ILE
3	1-M	487	LEU
3	1-M	495	MET
3	1-M	499	GLU
3	1-M	504	LYS
3	1-M	505	LYS
3	1-M	506	GLU
3	1-M	513	ILE
3	1-M	518	ASP
3	1-M	524	GLU
3	1-M	532	ILE
3	1-M	534	SER
3	1-M	537	GLU
3	1-M	543	PRO
3	1-M	549	SER
3	1-M	561	LYS
3	1-M	562	SER
3	1-M	563	ASN
3	1-M	580	SER
3	1-M	593	SER
3	1-M	597	GLU
3	1-M	598	LYS
3	1-M	604	ASN
3	1-M	608	ILE
3	1-M	610	LEU
3	1-M	613	LYS
3	1-M	615	SER
3	1-M	621	LEU
3	1-M	625	THR

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Mol	Chain	Res	Type
3	1-M	626	TYR
3	1-M	664	LEU
3	1-M	666	SER
3	1-M	673	ARG
3	1-M	675	ILE
3	1-M	676	ILE
3	1-M	686	MET
3	1-M	689	GLU
3	1-M	690	LEU
3	1-M	693	HIS
3	1-M	698	ASN
3	1-M	701	LEU
3	1-M	702	GLU
3	1-M	704	ILE
3	1-M	708	ARG
3	1-M	713	SER
3	1-M	714	ARG
3	1-M	716	LEU
3	1-M	719	ASP
3	1-M	722	GLN
3	1-M	723	ARG
3	1-M	728	ASN
3	1-M	734	GLU
3	1-M	737	PHE
3	1-M	738	MET
3	1-M	745	GLU
3	1-M	752	ASP
3	1-M	753	VAL
3	1-M	754	ASP
3	1-M	762	HIS
3	1-M	774	LEU
3	1-M	785	GLU
3	1-M	787	ILE
3	1-M	793	ARG
3	1-M	799	MET
3	1-M	802	GLU
3	1-M	804	ARG
3	1-M	810	ARG
3	1-M	816	ILE
3	1-M	822	SER
3	1-M	832	MET
3	1-M	834	LEU

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Mol	Chain	Res	Type
3	1-M	838	ILE
3	1-M	842	LEU
3	1-M	843	LYS
1	2-B	14	ASN
1	2-B	16	PHE
1	2-B	35	ASP
1	2-B	65	ASP
1	2-B	75	ILE
1	2-B	114	LYS
1	2-B	117	LEU
1	2-B	129	THR
1	2-B	141	PRO
1	2-B	144	VAL
1	2-B	147	ASN
1	2-B	162	ASP
2	2-C	5	ASP
2	2-C	9	ASP
2	2-C	22	ASP
2	2-C	49	ILE
2	2-C	63	ILE
2	2-C	65	PHE
2	2-C	84	PHE
2	2-C	95	ASP
2	2-C	102	VAL
2	2-C	131	GLU
2	2-C	137	ILE
3	2-M	4	ASP
3	2-M	7	MET
3	2-M	12	GLU
3	2-M	15	PRO
3	2-M	17	LEU
3	2-M	20	SER
3	2-M	22	LYS
3	2-M	30	LYS
3	2-M	35	LYS
3	2-M	36	SER
3	2-M	37	SER
3	2-M	46	SER
3	2-M	49	LYS
3	2-M	55	LYS
3	2-M	61	THR
3	2-M	69	THR

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Mol	Chain	Res	Type
3	2-M	70	LEU
3	2-M	72	VAL
3	2-M	73	LYS
3	2-M	75	ASP
3	2-M	76	GLN
3	2-M	97	LEU
3	2-M	106	LEU
3	2-M	109	ARG
3	2-M	114	MET
3	2-M	117	THR
3	2-M	121	LEU
3	2-M	126	VAL
3	2-M	127	ASN
3	2-M	135	TYR
3	2-M	136	ASN
3	2-M	146	LYS
3	2-M	149	GLN
3	2-M	155	ILE
3	2-M	157	SER
3	2-M	158	ILE
3	2-M	159	SER
3	2-M	165	PHE
3	2-M	167	LEU
3	2-M	169	ASP
3	2-M	173	GLN
3	2-M	178	THR
3	2-M	185	LYS
3	2-M	186	THR
3	2-M	187	VAL
3	2-M	191	ARG
3	2-M	193	ILE
3	2-M	194	GLN
3	2-M	198	THR
3	2-M	199	ILE
3	2-M	202	SER
3	2-M	218	LEU
3	2-M	221	GLN
3	2-M	223	ILE
3	2-M	227	PRO
3	2-M	229	LEU
3	2-M	244	SER
3	2-M	245	ARG

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Mol	Chain	Res	Type
3	2-M	248	LYS
3	2-M	251	ARG
3	2-M	264	ASP
3	2-M	273	SER
3	2-M	274	ARG
3	2-M	278	GLN
3	2-M	282	GLU
3	2-M	287	ILE
3	2-M	290	GLN
3	2-M	294	ASN
3	2-M	298	GLU
3	2-M	300	ILE
3	2-M	325	ILE
3	2-M	331	LEU
3	2-M	336	SER
3	2-M	351	ILE
3	2-M	354	LEU
3	2-M	364	LEU
3	2-M	365	LYS
3	2-M	372	GLU
3	2-M	376	GLU
3	2-M	381	GLU
3	2-M	389	LEU
3	2-M	392	LEU
3	2-M	394	SER
3	2-M	399	LYS
3	2-M	405	ARG
3	2-M	410	ASN
3	2-M	436	LYS
3	2-M	439	LEU
3	2-M	447	GLN
3	2-M	448	GLN
3	2-M	449	LEU
3	2-M	453	GLN
3	2-M	455	ARG
3	2-M	457	TYR
3	2-M	462	LEU
3	2-M	471	ASP
3	2-M	474	SER
3	2-M	480	ILE
3	2-M	487	LEU
3	2-M	495	MET

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Mol	Chain	Res	Type
3	2-M	499	GLU
3	2-M	504	LYS
3	2-M	505	LYS
3	2-M	506	GLU
3	2-M	513	ILE
3	2-M	518	ASP
3	2-M	524	GLU
3	2-M	532	ILE
3	2-M	534	SER
3	2-M	537	GLU
3	2-M	543	PRO
3	2-M	549	SER
3	2-M	561	LYS
3	2-M	562	SER
3	2-M	563	ASN
3	2-M	580	SER
3	2-M	593	SER
3	2-M	597	GLU
3	2-M	598	LYS
3	2-M	604	ASN
3	2-M	608	ILE
3	2-M	610	LEU
3	2-M	613	LYS
3	2-M	615	SER
3	2-M	621	LEU
3	2-M	625	THR
3	2-M	626	TYR
3	2-M	664	LEU
3	2-M	666	SER
3	2-M	673	ARG
3	2-M	675	ILE
3	2-M	676	ILE
3	2-M	686	MET
3	2-M	689	GLU
3	2-M	690	LEU
3	2-M	693	HIS
3	2-M	698	ASN
3	2-M	701	LEU
3	2-M	702	GLU
3	2-M	704	ILE
3	2-M	708	ARG
3	2-M	713	SER

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Mol	Chain	Res	Type
3	2-M	714	ARG
3	2-M	716	LEU
3	2-M	719	ASP
3	2-M	722	GLN
3	2-M	723	ARG
3	2-M	728	ASN
3	2-M	734	GLU
3	2-M	737	PHE
3	2-M	738	MET
3	2-M	745	GLU
3	2-M	752	ASP
3	2-M	753	VAL
3	2-M	754	ASP
3	2-M	762	HIS
3	2-M	774	LEU
3	2-M	785	GLU
3	2-M	787	ILE
3	2-M	793	ARG
3	2-M	799	MET
3	2-M	802	GLU
3	2-M	804	ARG
3	2-M	810	ARG
3	2-M	816	ILE
3	2-M	822	SER
3	2-M	832	MET
3	2-M	834	LEU
3	2-M	838	ILE
3	2-M	842	LEU
3	2-M	843	LYS
1	3-B	14	ASN
1	3-B	16	PHE
1	3-B	35	ASP
1	3-B	65	ASP
1	3-B	75	ILE
1	3-B	114	LYS
1	3-B	117	LEU
1	3-B	129	THR
1	3-B	141	PRO
1	3-B	144	VAL
1	3-B	147	ASN
1	3-B	162	ASP
2	3-C	5	ASP

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Mol	Chain	Res	Type
2	3-C	9	ASP
2	3-C	22	ASP
2	3-C	49	ILE
2	3-C	63	ILE
2	3-C	65	PHE
2	3-C	84	PHE
2	3-C	95	ASP
2	3-C	102	VAL
2	3-C	131	GLU
2	3-C	137	ILE
3	3-M	4	ASP
3	3-M	7	MET
3	3-M	12	GLU
3	3-M	15	PRO
3	3-M	17	LEU
3	3-M	20	SER
3	3-M	22	LYS
3	3-M	30	LYS
3	3-M	35	LYS
3	3-M	36	SER
3	3-M	37	SER
3	3-M	46	SER
3	3-M	49	LYS
3	3-M	55	LYS
3	3-M	61	THR
3	3-M	69	THR
3	3-M	70	LEU
3	3-M	72	VAL
3	3-M	73	LYS
3	3-M	75	ASP
3	3-M	76	GLN
3	3-M	97	LEU
3	3-M	106	LEU
3	3-M	109	ARG
3	3-M	114	MET
3	3-M	117	THR
3	3-M	121	LEU
3	3-M	126	VAL
3	3-M	127	ASN
3	3-M	135	TYR
3	3-M	136	ASN
3	3-M	146	LYS

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Mol	Chain	Res	Type
3	3-M	149	GLN
3	3-M	155	ILE
3	3-M	157	SER
3	3-M	158	ILE
3	3-M	159	SER
3	3-M	165	PHE
3	3-M	167	LEU
3	3-M	169	ASP
3	3-M	173	GLN
3	3-M	178	THR
3	3-M	185	LYS
3	3-M	186	THR
3	3-M	187	VAL
3	3-M	191	ARG
3	3-M	193	ILE
3	3-M	194	GLN
3	3-M	198	THR
3	3-M	199	ILE
3	3-M	202	SER
3	3-M	218	LEU
3	3-M	221	GLN
3	3-M	223	ILE
3	3-M	227	PRO
3	3-M	229	LEU
3	3-M	244	SER
3	3-M	245	ARG
3	3-M	248	LYS
3	3-M	251	ARG
3	3-M	264	ASP
3	3-M	273	SER
3	3-M	274	ARG
3	3-M	278	GLN
3	3-M	282	GLU
3	3-M	287	ILE
3	3-M	290	GLN
3	3-M	294	ASN
3	3-M	298	GLU
3	3-M	300	ILE
3	3-M	325	ILE
3	3-M	331	LEU
3	3-M	336	SER
3	3-M	351	ILE

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Mol	Chain	Res	Type
3	3-M	354	LEU
3	3-M	364	LEU
3	3-M	365	LYS
3	3-M	372	GLU
3	3-M	376	GLU
3	3-M	381	GLU
3	3-M	389	LEU
3	3-M	392	LEU
3	3-M	394	SER
3	3-M	399	LYS
3	3-M	405	ARG
3	3-M	410	ASN
3	3-M	436	LYS
3	3-M	439	LEU
3	3-M	447	GLN
3	3-M	448	GLN
3	3-M	449	LEU
3	3-M	453	GLN
3	3-M	455	ARG
3	3-M	457	TYR
3	3-M	462	LEU
3	3-M	471	ASP
3	3-M	474	SER
3	3-M	480	ILE
3	3-M	487	LEU
3	3-M	495	MET
3	3-M	499	GLU
3	3-M	504	LYS
3	3-M	505	LYS
3	3-M	506	GLU
3	3-M	513	ILE
3	3-M	518	ASP
3	3-M	524	GLU
3	3-M	532	ILE
3	3-M	534	SER
3	3-M	537	GLU
3	3-M	549	SER
3	3-M	561	LYS
3	3-M	562	SER
3	3-M	563	ASN
3	3-M	580	SER
3	3-M	593	SER

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Mol	Chain	Res	Type
3	3-M	597	GLU
3	3-M	598	LYS
3	3-M	604	ASN
3	3-M	608	ILE
3	3-M	610	LEU
3	3-M	613	LYS
3	3-M	615	SER
3	3-M	621	LEU
3	3-M	625	THR
3	3-M	626	TYR
3	3-M	664	LEU
3	3-M	666	SER
3	3-M	673	ARG
3	3-M	675	ILE
3	3-M	676	ILE
3	3-M	686	MET
3	3-M	689	GLU
3	3-M	690	LEU
3	3-M	693	HIS
3	3-M	698	ASN
3	3-M	701	LEU
3	3-M	702	GLU
3	3-M	704	ILE
3	3-M	708	ARG
3	3-M	713	SER
3	3-M	714	ARG
3	3-M	716	LEU
3	3-M	719	ASP
3	3-M	722	GLN
3	3-M	723	ARG
3	3-M	728	ASN
3	3-M	734	GLU
3	3-M	737	PHE
3	3-M	738	MET
3	3-M	745	GLU
3	3-M	752	ASP
3	3-M	753	VAL
3	3-M	754	ASP
3	3-M	762	HIS
3	3-M	774	LEU
3	3-M	785	GLU
3	3-M	787	ILE

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Mol	Chain	Res	Type
3	3-M	793	ARG
3	3-M	799	MET
3	3-M	802	GLU
3	3-M	804	ARG
3	3-M	810	ARG
3	3-M	816	ILE
3	3-M	822	SER
3	3-M	832	MET
3	3-M	834	LEU
3	3-M	838	ILE
3	3-M	842	LEU
3	3-M	843	LYS
1	4-B	14	ASN
1	4-B	16	PHE
1	4-B	35	ASP
1	4-B	65	ASP
1	4-B	75	ILE
1	4-B	114	LYS
1	4-B	117	LEU
1	4-B	129	THR
1	4-B	141	PRO
1	4-B	144	VAL
1	4-B	147	ASN
1	4-B	162	ASP
2	4-C	5	ASP
2	4-C	9	ASP
2	4-C	22	ASP
2	4-C	49	ILE
2	4-C	63	ILE
2	4-C	65	PHE
2	4-C	84	PHE
2	4-C	95	ASP
2	4-C	102	VAL
2	4-C	131	GLU
2	4-C	137	ILE
3	4-M	4	ASP
3	4-M	7	MET
3	4-M	12	GLU
3	4-M	15	PRO
3	4-M	17	LEU
3	4-M	20	SER
3	4-M	22	LYS

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Mol	Chain	Res	Type
3	4-M	30	LYS
3	4-M	35	LYS
3	4-M	36	SER
3	4-M	37	SER
3	4-M	46	SER
3	4-M	49	LYS
3	4-M	55	LYS
3	4-M	61	THR
3	4-M	69	THR
3	4-M	70	LEU
3	4-M	72	VAL
3	4-M	73	LYS
3	4-M	75	ASP
3	4-M	76	GLN
3	4-M	97	LEU
3	4-M	106	LEU
3	4-M	109	ARG
3	4-M	114	MET
3	4-M	117	THR
3	4-M	121	LEU
3	4-M	126	VAL
3	4-M	127	ASN
3	4-M	135	TYR
3	4-M	136	ASN
3	4-M	146	LYS
3	4-M	149	GLN
3	4-M	155	ILE
3	4-M	157	SER
3	4-M	158	ILE
3	4-M	159	SER
3	4-M	165	PHE
3	4-M	167	LEU
3	4-M	169	ASP
3	4-M	173	GLN
3	4-M	178	THR
3	4-M	185	LYS
3	4-M	186	THR
3	4-M	187	VAL
3	4-M	191	ARG
3	4-M	193	ILE
3	4-M	194	GLN
3	4-M	198	THR

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Mol	Chain	Res	Type
3	4-M	199	ILE
3	4-M	202	SER
3	4-M	218	LEU
3	4-M	221	GLN
3	4-M	223	ILE
3	4-M	227	PRO
3	4-M	229	LEU
3	4-M	244	SER
3	4-M	245	ARG
3	4-M	248	LYS
3	4-M	251	ARG
3	4-M	264	ASP
3	4-M	273	SER
3	4-M	274	ARG
3	4-M	278	GLN
3	4-M	282	GLU
3	4-M	287	ILE
3	4-M	290	GLN
3	4-M	294	ASN
3	4-M	298	GLU
3	4-M	300	ILE
3	4-M	325	ILE
3	4-M	331	LEU
3	4-M	336	SER
3	4-M	351	ILE
3	4-M	354	LEU
3	4-M	364	LEU
3	4-M	365	LYS
3	4-M	372	GLU
3	4-M	376	GLU
3	4-M	381	GLU
3	4-M	389	LEU
3	4-M	392	LEU
3	4-M	394	SER
3	4-M	399	LYS
3	4-M	405	ARG
3	4-M	410	ASN
3	4-M	436	LYS
3	4-M	439	LEU
3	4-M	447	GLN
3	4-M	448	GLN
3	4-M	449	LEU

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Mol	Chain	Res	Type
3	4-M	453	GLN
3	4-M	455	ARG
3	4-M	457	TYR
3	4-M	462	LEU
3	4-M	471	ASP
3	4-M	474	SER
3	4-M	480	ILE
3	4-M	487	LEU
3	4-M	495	MET
3	4-M	499	GLU
3	4-M	504	LYS
3	4-M	505	LYS
3	4-M	506	GLU
3	4-M	513	ILE
3	4-M	518	ASP
3	4-M	524	GLU
3	4-M	532	ILE
3	4-M	534	SER
3	4-M	537	GLU
3	4-M	543	PRO
3	4-M	549	SER
3	4-M	561	LYS
3	4-M	562	SER
3	4-M	563	ASN
3	4-M	580	SER
3	4-M	593	SER
3	4-M	597	GLU
3	4-M	598	LYS
3	4-M	604	ASN
3	4-M	608	ILE
3	4-M	610	LEU
3	4-M	613	LYS
3	4-M	615	SER
3	4-M	621	LEU
3	4-M	625	THR
3	4-M	626	TYR
3	4-M	664	LEU
3	4-M	666	SER
3	4-M	673	ARG
3	4-M	675	ILE
3	4-M	676	ILE
3	4-M	686	MET

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Mol	Chain	Res	Type
3	4-M	689	GLU
3	4-M	690	LEU
3	4-M	693	HIS
3	4-M	698	ASN
3	4-M	701	LEU
3	4-M	702	GLU
3	4-M	704	ILE
3	4-M	708	ARG
3	4-M	713	SER
3	4-M	714	ARG
3	4-M	716	LEU
3	4-M	719	ASP
3	4-M	722	GLN
3	4-M	723	ARG
3	4-M	728	ASN
3	4-M	734	GLU
3	4-M	737	PHE
3	4-M	738	MET
3	4-M	745	GLU
3	4-M	752	ASP
3	4-M	753	VAL
3	4-M	754	ASP
3	4-M	762	HIS
3	4-M	774	LEU
3	4-M	785	GLU
3	4-M	787	ILE
3	4-M	793	ARG
3	4-M	799	MET
3	4-M	802	GLU
3	4-M	804	ARG
3	4-M	810	ARG
3	4-M	816	ILE
3	4-M	822	SER
3	4-M	832	MET
3	4-M	834	LEU
3	4-M	838	ILE
3	4-M	842	LEU
3	4-M	843	LYS
1	5-B	14	ASN
1	5-B	16	PHE
1	5-B	35	ASP
1	5-B	65	ASP

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Mol	Chain	Res	Type
1	5-B	75	ILE
1	5-B	114	LYS
1	5-B	117	LEU
1	5-B	129	THR
1	5-B	141	PRO
1	5-B	144	VAL
1	5-B	147	ASN
1	5-B	162	ASP
2	5-C	5	ASP
2	5-C	9	ASP
2	5-C	22	ASP
2	5-C	49	ILE
2	5-C	63	ILE
2	5-C	65	PHE
2	5-C	84	PHE
2	5-C	95	ASP
2	5-C	102	VAL
2	5-C	131	GLU
2	5-C	137	ILE
3	5-M	4	ASP
3	5-M	7	MET
3	5-M	12	GLU
3	5-M	15	PRO
3	5-M	17	LEU
3	5-M	20	SER
3	5-M	22	LYS
3	5-M	30	LYS
3	5-M	35	LYS
3	5-M	36	SER
3	5-M	37	SER
3	5-M	46	SER
3	5-M	49	LYS
3	5-M	55	LYS
3	5-M	61	THR
3	5-M	69	THR
3	5-M	70	LEU
3	5-M	72	VAL
3	5-M	73	LYS
3	5-M	75	ASP
3	5-M	76	GLN
3	5-M	97	LEU
3	5-M	106	LEU

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Mol	Chain	Res	Type
3	5-M	109	ARG
3	5-M	114	MET
3	5-M	117	THR
3	5-M	121	LEU
3	5-M	126	VAL
3	5-M	127	ASN
3	5-M	135	TYR
3	5-M	136	ASN
3	5-M	146	LYS
3	5-M	149	GLN
3	5-M	155	ILE
3	5-M	157	SER
3	5-M	158	ILE
3	5-M	159	SER
3	5-M	165	PHE
3	5-M	167	LEU
3	5-M	169	ASP
3	5-M	173	GLN
3	5-M	178	THR
3	5-M	185	LYS
3	5-M	186	THR
3	5-M	187	VAL
3	5-M	191	ARG
3	5-M	193	ILE
3	5-M	194	GLN
3	5-M	198	THR
3	5-M	199	ILE
3	5-M	202	SER
3	5-M	218	LEU
3	5-M	221	GLN
3	5-M	223	ILE
3	5-M	227	PRO
3	5-M	229	LEU
3	5-M	244	SER
3	5-M	245	ARG
3	5-M	248	LYS
3	5-M	251	ARG
3	5-M	264	ASP
3	5-M	273	SER
3	5-M	274	ARG
3	5-M	278	GLN
3	5-M	282	GLU

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Mol	Chain	Res	Type
3	5-M	287	ILE
3	5-M	290	GLN
3	5-M	294	ASN
3	5-M	298	GLU
3	5-M	300	ILE
3	5-M	325	ILE
3	5-M	331	LEU
3	5-M	336	SER
3	5-M	351	ILE
3	5-M	354	LEU
3	5-M	364	LEU
3	5-M	365	LYS
3	5-M	372	GLU
3	5-M	376	GLU
3	5-M	381	GLU
3	5-M	389	LEU
3	5-M	392	LEU
3	5-M	394	SER
3	5-M	399	LYS
3	5-M	405	ARG
3	5-M	410	ASN
3	5-M	436	LYS
3	5-M	439	LEU
3	5-M	447	GLN
3	5-M	448	GLN
3	5-M	449	LEU
3	5-M	453	GLN
3	5-M	455	ARG
3	5-M	457	TYR
3	5-M	462	LEU
3	5-M	471	ASP
3	5-M	474	SER
3	5-M	480	ILE
3	5-M	487	LEU
3	5-M	495	MET
3	5-M	499	GLU
3	5-M	504	LYS
3	5-M	505	LYS
3	5-M	506	GLU
3	5-M	513	ILE
3	5-M	518	ASP
3	5-M	524	GLU

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Mol	Chain	Res	Type
3	5-M	532	ILE
3	5-M	534	SER
3	5-M	537	GLU
3	5-M	549	SER
3	5-M	561	LYS
3	5-M	562	SER
3	5-M	563	ASN
3	5-M	580	SER
3	5-M	593	SER
3	5-M	597	GLU
3	5-M	598	LYS
3	5-M	604	ASN
3	5-M	608	ILE
3	5-M	610	LEU
3	5-M	613	LYS
3	5-M	615	SER
3	5-M	621	LEU
3	5-M	625	THR
3	5-M	626	TYR
3	5-M	664	LEU
3	5-M	666	SER
3	5-M	673	ARG
3	5-M	675	ILE
3	5-M	676	ILE
3	5-M	686	MET
3	5-M	689	GLU
3	5-M	690	LEU
3	5-M	693	HIS
3	5-M	698	ASN
3	5-M	701	LEU
3	5-M	702	GLU
3	5-M	704	ILE
3	5-M	708	ARG
3	5-M	713	SER
3	5-M	714	ARG
3	5-M	716	LEU
3	5-M	719	ASP
3	5-M	722	GLN
3	5-M	723	ARG
3	5-M	728	ASN
3	5-M	734	GLU
3	5-M	737	PHE

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Mol	Chain	Res	Type
3	5-M	738	MET
3	5-M	745	GLU
3	5-M	752	ASP
3	5-M	753	VAL
3	5-M	754	ASP
3	5-M	762	HIS
3	5-M	774	LEU
3	5-M	785	GLU
3	5-M	787	ILE
3	5-M	793	ARG
3	5-M	799	MET
3	5-M	802	GLU
3	5-M	804	ARG
3	5-M	810	ARG
3	5-M	816	ILE
3	5-M	822	SER
3	5-M	832	MET
3	5-M	834	LEU
3	5-M	838	ILE
3	5-M	842	LEU
3	5-M	843	LYS
1	6-B	14	ASN
1	6-B	16	PHE
1	6-B	35	ASP
1	6-B	65	ASP
1	6-B	75	ILE
1	6-B	114	LYS
1	6-B	117	LEU
1	6-B	129	THR
1	6-B	141	PRO
1	6-B	144	VAL
1	6-B	147	ASN
1	6-B	162	ASP
2	6-C	5	ASP
2	6-C	9	ASP
2	6-C	22	ASP
2	6-C	49	ILE
2	6-C	63	ILE
2	6-C	65	PHE
2	6-C	84	PHE
2	6-C	95	ASP
2	6-C	102	VAL

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Mol	Chain	Res	Type
2	6-C	131	GLU
2	6-C	137	ILE
3	6-M	4	ASP
3	6-M	7	MET
3	6-M	12	GLU
3	6-M	15	PRO
3	6-M	17	LEU
3	6-M	20	SER
3	6-M	22	LYS
3	6-M	30	LYS
3	6-M	35	LYS
3	6-M	36	SER
3	6-M	37	SER
3	6-M	46	SER
3	6-M	49	LYS
3	6-M	55	LYS
3	6-M	61	THR
3	6-M	69	THR
3	6-M	70	LEU
3	6-M	72	VAL
3	6-M	73	LYS
3	6-M	75	ASP
3	6-M	76	GLN
3	6-M	97	LEU
3	6-M	106	LEU
3	6-M	109	ARG
3	6-M	114	MET
3	6-M	117	THR
3	6-M	121	LEU
3	6-M	126	VAL
3	6-M	127	ASN
3	6-M	135	TYR
3	6-M	136	ASN
3	6-M	146	LYS
3	6-M	149	GLN
3	6-M	155	ILE
3	6-M	157	SER
3	6-M	158	ILE
3	6-M	159	SER
3	6-M	165	PHE
3	6-M	167	LEU
3	6-M	169	ASP

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Mol	Chain	Res	Type
3	6-M	173	GLN
3	6-M	178	THR
3	6-M	185	LYS
3	6-M	186	THR
3	6-M	187	VAL
3	6-M	191	ARG
3	6-M	193	ILE
3	6-M	194	GLN
3	6-M	198	THR
3	6-M	199	ILE
3	6-M	202	SER
3	6-M	218	LEU
3	6-M	221	GLN
3	6-M	223	ILE
3	6-M	227	PRO
3	6-M	229	LEU
3	6-M	244	SER
3	6-M	245	ARG
3	6-M	248	LYS
3	6-M	251	ARG
3	6-M	264	ASP
3	6-M	273	SER
3	6-M	274	ARG
3	6-M	278	GLN
3	6-M	282	GLU
3	6-M	287	ILE
3	6-M	290	GLN
3	6-M	294	ASN
3	6-M	298	GLU
3	6-M	300	ILE
3	6-M	325	ILE
3	6-M	331	LEU
3	6-M	336	SER
3	6-M	351	ILE
3	6-M	354	LEU
3	6-M	364	LEU
3	6-M	365	LYS
3	6-M	372	GLU
3	6-M	376	GLU
3	6-M	381	GLU
3	6-M	389	LEU
3	6-M	392	LEU

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Mol	Chain	Res	Type
3	6-M	394	SER
3	6-M	399	LYS
3	6-M	405	ARG
3	6-M	410	ASN
3	6-M	436	LYS
3	6-M	439	LEU
3	6-M	447	GLN
3	6-M	448	GLN
3	6-M	449	LEU
3	6-M	453	GLN
3	6-M	455	ARG
3	6-M	457	TYR
3	6-M	462	LEU
3	6-M	471	ASP
3	6-M	474	SER
3	6-M	480	ILE
3	6-M	487	LEU
3	6-M	495	MET
3	6-M	499	GLU
3	6-M	504	LYS
3	6-M	505	LYS
3	6-M	506	GLU
3	6-M	513	ILE
3	6-M	518	ASP
3	6-M	524	GLU
3	6-M	532	ILE
3	6-M	534	SER
3	6-M	537	GLU
3	6-M	549	SER
3	6-M	561	LYS
3	6-M	562	SER
3	6-M	563	ASN
3	6-M	580	SER
3	6-M	593	SER
3	6-M	597	GLU
3	6-M	598	LYS
3	6-M	604	ASN
3	6-M	608	ILE
3	6-M	610	LEU
3	6-M	613	LYS
3	6-M	615	SER
3	6-M	621	LEU

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Mol	Chain	Res	Type
3	6-M	625	THR
3	6-M	626	TYR
3	6-M	664	LEU
3	6-M	666	SER
3	6-M	673	ARG
3	6-M	675	ILE
3	6-M	676	ILE
3	6-M	686	MET
3	6-M	689	GLU
3	6-M	690	LEU
3	6-M	693	HIS
3	6-M	698	ASN
3	6-M	701	LEU
3	6-M	702	GLU
3	6-M	704	ILE
3	6-M	708	ARG
3	6-M	713	SER
3	6-M	714	ARG
3	6-M	716	LEU
3	6-M	719	ASP
3	6-M	722	GLN
3	6-M	723	ARG
3	6-M	728	ASN
3	6-M	734	GLU
3	6-M	737	PHE
3	6-M	738	MET
3	6-M	745	GLU
3	6-M	752	ASP
3	6-M	753	VAL
3	6-M	754	ASP
3	6-M	762	HIS
3	6-M	774	LEU
3	6-M	785	GLU
3	6-M	787	ILE
3	6-M	793	ARG
3	6-M	799	MET
3	6-M	802	GLU
3	6-M	804	ARG
3	6-M	810	ARG
3	6-M	816	ILE
3	6-M	822	SER
3	6-M	832	MET

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Mol	Chain	Res	Type
3	6-M	834	LEU
3	6-M	838	ILE
3	6-M	842	LEU
3	6-M	843	LYS
1	7-B	14	ASN
1	7-B	16	PHE
1	7-B	35	ASP
1	7-B	65	ASP
1	7-B	75	ILE
1	7-B	114	LYS
1	7-B	117	LEU
1	7-B	129	THR
1	7-B	141	PRO
1	7-B	144	VAL
1	7-B	147	ASN
1	7-B	162	ASP
2	7-C	5	ASP
2	7-C	9	ASP
2	7-C	22	ASP
2	7-C	49	ILE
2	7-C	63	ILE
2	7-C	65	PHE
2	7-C	84	PHE
2	7-C	95	ASP
2	7-C	102	VAL
2	7-C	131	GLU
2	7-C	137	ILE
3	7-M	4	ASP
3	7-M	7	MET
3	7-M	12	GLU
3	7-M	15	PRO
3	7-M	17	LEU
3	7-M	20	SER
3	7-M	22	LYS
3	7-M	30	LYS
3	7-M	35	LYS
3	7-M	36	SER
3	7-M	37	SER
3	7-M	46	SER
3	7-M	49	LYS
3	7-M	55	LYS
3	7-M	61	THR

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Mol	Chain	Res	Type
3	7-M	69	THR
3	7-M	70	LEU
3	7-M	72	VAL
3	7-M	73	LYS
3	7-M	75	ASP
3	7-M	76	GLN
3	7-M	97	LEU
3	7-M	106	LEU
3	7-M	109	ARG
3	7-M	114	MET
3	7-M	117	THR
3	7-M	121	LEU
3	7-M	126	VAL
3	7-M	127	ASN
3	7-M	135	TYR
3	7-M	136	ASN
3	7-M	146	LYS
3	7-M	149	GLN
3	7-M	155	ILE
3	7-M	157	SER
3	7-M	158	ILE
3	7-M	159	SER
3	7-M	165	PHE
3	7-M	167	LEU
3	7-M	169	ASP
3	7-M	173	GLN
3	7-M	178	THR
3	7-M	185	LYS
3	7-M	186	THR
3	7-M	187	VAL
3	7-M	191	ARG
3	7-M	193	ILE
3	7-M	194	GLN
3	7-M	198	THR
3	7-M	199	ILE
3	7-M	202	SER
3	7-M	218	LEU
3	7-M	221	GLN
3	7-M	223	ILE
3	7-M	227	PRO
3	7-M	229	LEU
3	7-M	244	SER

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Mol	Chain	Res	Type
3	7-M	245	ARG
3	7-M	248	LYS
3	7-M	251	ARG
3	7-M	264	ASP
3	7-M	273	SER
3	7-M	274	ARG
3	7-M	278	GLN
3	7-M	282	GLU
3	7-M	287	ILE
3	7-M	290	GLN
3	7-M	294	ASN
3	7-M	298	GLU
3	7-M	300	ILE
3	7-M	325	ILE
3	7-M	331	LEU
3	7-M	336	SER
3	7-M	351	ILE
3	7-M	354	LEU
3	7-M	364	LEU
3	7-M	365	LYS
3	7-M	372	GLU
3	7-M	376	GLU
3	7-M	381	GLU
3	7-M	389	LEU
3	7-M	392	LEU
3	7-M	394	SER
3	7-M	399	LYS
3	7-M	405	ARG
3	7-M	410	ASN
3	7-M	436	LYS
3	7-M	439	LEU
3	7-M	447	GLN
3	7-M	448	GLN
3	7-M	449	LEU
3	7-M	453	GLN
3	7-M	455	ARG
3	7-M	457	TYR
3	7-M	462	LEU
3	7-M	471	ASP
3	7-M	474	SER
3	7-M	480	ILE
3	7-M	487	LEU

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Mol	Chain	Res	Type
3	7-M	495	MET
3	7-M	499	GLU
3	7-M	504	LYS
3	7-M	505	LYS
3	7-M	506	GLU
3	7-M	513	ILE
3	7-M	518	ASP
3	7-M	524	GLU
3	7-M	532	ILE
3	7-M	534	SER
3	7-M	537	GLU
3	7-M	543	PRO
3	7-M	549	SER
3	7-M	561	LYS
3	7-M	562	SER
3	7-M	563	ASN
3	7-M	580	SER
3	7-M	593	SER
3	7-M	597	GLU
3	7-M	598	LYS
3	7-M	604	ASN
3	7-M	608	ILE
3	7-M	610	LEU
3	7-M	613	LYS
3	7-M	615	SER
3	7-M	621	LEU
3	7-M	625	THR
3	7-M	626	TYR
3	7-M	664	LEU
3	7-M	666	SER
3	7-M	673	ARG
3	7-M	675	ILE
3	7-M	676	ILE
3	7-M	686	MET
3	7-M	689	GLU
3	7-M	690	LEU
3	7-M	693	HIS
3	7-M	698	ASN
3	7-M	701	LEU
3	7-M	702	GLU
3	7-M	704	ILE
3	7-M	708	ARG

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Mol	Chain	Res	Type
3	7-M	713	SER
3	7-M	714	ARG
3	7-M	716	LEU
3	7-M	719	ASP
3	7-M	722	GLN
3	7-M	723	ARG
3	7-M	728	ASN
3	7-M	734	GLU
3	7-M	737	PHE
3	7-M	738	MET
3	7-M	745	GLU
3	7-M	752	ASP
3	7-M	753	VAL
3	7-M	754	ASP
3	7-M	762	HIS
3	7-M	774	LEU
3	7-M	785	GLU
3	7-M	787	ILE
3	7-M	793	ARG
3	7-M	799	MET
3	7-M	802	GLU
3	7-M	804	ARG
3	7-M	810	ARG
3	7-M	816	ILE
3	7-M	822	SER
3	7-M	832	MET
3	7-M	834	LEU
3	7-M	838	ILE
3	7-M	842	LEU
3	7-M	843	LYS
1	8-B	14	ASN
1	8-B	16	PHE
1	8-B	35	ASP
1	8-B	65	ASP
1	8-B	75	ILE
1	8-B	114	LYS
1	8-B	117	LEU
1	8-B	129	THR
1	8-B	141	PRO
1	8-B	144	VAL
1	8-B	147	ASN
1	8-B	162	ASP

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Mol	Chain	Res	Type
2	8-C	5	ASP
2	8-C	9	ASP
2	8-C	22	ASP
2	8-C	49	ILE
2	8-C	63	ILE
2	8-C	65	PHE
2	8-C	84	PHE
2	8-C	95	ASP
2	8-C	102	VAL
2	8-C	131	GLU
2	8-C	137	ILE
3	8-M	4	ASP
3	8-M	7	MET
3	8-M	12	GLU
3	8-M	15	PRO
3	8-M	17	LEU
3	8-M	20	SER
3	8-M	22	LYS
3	8-M	30	LYS
3	8-M	35	LYS
3	8-M	36	SER
3	8-M	37	SER
3	8-M	46	SER
3	8-M	49	LYS
3	8-M	55	LYS
3	8-M	61	THR
3	8-M	69	THR
3	8-M	70	LEU
3	8-M	72	VAL
3	8-M	73	LYS
3	8-M	75	ASP
3	8-M	76	GLN
3	8-M	97	LEU
3	8-M	106	LEU
3	8-M	109	ARG
3	8-M	114	MET
3	8-M	117	THR
3	8-M	121	LEU
3	8-M	126	VAL
3	8-M	127	ASN
3	8-M	135	TYR
3	8-M	136	ASN

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Mol	Chain	Res	Type
3	8-M	146	LYS
3	8-M	149	GLN
3	8-M	155	ILE
3	8-M	157	SER
3	8-M	158	ILE
3	8-M	159	SER
3	8-M	165	PHE
3	8-M	167	LEU
3	8-M	169	ASP
3	8-M	173	GLN
3	8-M	178	THR
3	8-M	185	LYS
3	8-M	186	THR
3	8-M	187	VAL
3	8-M	191	ARG
3	8-M	193	ILE
3	8-M	194	GLN
3	8-M	198	THR
3	8-M	199	ILE
3	8-M	202	SER
3	8-M	218	LEU
3	8-M	221	GLN
3	8-M	223	ILE
3	8-M	227	PRO
3	8-M	229	LEU
3	8-M	244	SER
3	8-M	245	ARG
3	8-M	248	LYS
3	8-M	251	ARG
3	8-M	264	ASP
3	8-M	273	SER
3	8-M	274	ARG
3	8-M	278	GLN
3	8-M	282	GLU
3	8-M	287	ILE
3	8-M	290	GLN
3	8-M	294	ASN
3	8-M	298	GLU
3	8-M	300	ILE
3	8-M	325	ILE
3	8-M	331	LEU
3	8-M	336	SER

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Mol	Chain	Res	Type
3	8-M	351	ILE
3	8-M	354	LEU
3	8-M	364	LEU
3	8-M	365	LYS
3	8-M	372	GLU
3	8-M	376	GLU
3	8-M	381	GLU
3	8-M	389	LEU
3	8-M	392	LEU
3	8-M	394	SER
3	8-M	399	LYS
3	8-M	405	ARG
3	8-M	410	ASN
3	8-M	436	LYS
3	8-M	439	LEU
3	8-M	447	GLN
3	8-M	448	GLN
3	8-M	449	LEU
3	8-M	453	GLN
3	8-M	455	ARG
3	8-M	457	TYR
3	8-M	462	LEU
3	8-M	471	ASP
3	8-M	474	SER
3	8-M	480	ILE
3	8-M	487	LEU
3	8-M	495	MET
3	8-M	499	GLU
3	8-M	504	LYS
3	8-M	505	LYS
3	8-M	506	GLU
3	8-M	513	ILE
3	8-M	518	ASP
3	8-M	524	GLU
3	8-M	532	ILE
3	8-M	534	SER
3	8-M	537	GLU
3	8-M	543	PRO
3	8-M	549	SER
3	8-M	561	LYS
3	8-M	562	SER
3	8-M	563	ASN

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Mol	Chain	Res	Type
3	8-M	580	SER
3	8-M	593	SER
3	8-M	597	GLU
3	8-M	598	LYS
3	8-M	604	ASN
3	8-M	608	ILE
3	8-M	610	LEU
3	8-M	613	LYS
3	8-M	615	SER
3	8-M	621	LEU
3	8-M	625	THR
3	8-M	626	TYR
3	8-M	664	LEU
3	8-M	666	SER
3	8-M	673	ARG
3	8-M	675	ILE
3	8-M	676	ILE
3	8-M	686	MET
3	8-M	689	GLU
3	8-M	690	LEU
3	8-M	693	HIS
3	8-M	698	ASN
3	8-M	701	LEU
3	8-M	702	GLU
3	8-M	704	ILE
3	8-M	708	ARG
3	8-M	713	SER
3	8-M	714	ARG
3	8-M	716	LEU
3	8-M	719	ASP
3	8-M	722	GLN
3	8-M	723	ARG
3	8-M	728	ASN
3	8-M	734	GLU
3	8-M	737	PHE
3	8-M	738	MET
3	8-M	745	GLU
3	8-M	752	ASP
3	8-M	753	VAL
3	8-M	754	ASP
3	8-M	762	HIS
3	8-M	774	LEU

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Mol	Chain	Res	Type
3	8-M	785	GLU
3	8-M	787	ILE
3	8-M	793	ARG
3	8-M	799	MET
3	8-M	802	GLU
3	8-M	804	ARG
3	8-M	810	ARG
3	8-M	816	ILE
3	8-M	822	SER
3	8-M	832	MET
3	8-M	834	LEU
3	8-M	838	ILE
3	8-M	842	LEU
3	8-M	843	LYS
1	9-B	14	ASN
1	9-B	16	PHE
1	9-B	35	ASP
1	9-B	65	ASP
1	9-B	75	ILE
1	9-B	114	LYS
1	9-B	117	LEU
1	9-B	129	THR
1	9-B	141	PRO
1	9-B	144	VAL
1	9-B	147	ASN
1	9-B	162	ASP
2	9-C	5	ASP
2	9-C	9	ASP
2	9-C	22	ASP
2	9-C	49	ILE
2	9-C	63	ILE
2	9-C	65	PHE
2	9-C	84	PHE
2	9-C	95	ASP
2	9-C	102	VAL
2	9-C	131	GLU
2	9-C	137	ILE
3	9-M	4	ASP
3	9-M	7	MET
3	9-M	12	GLU
3	9-M	15	PRO
3	9-M	17	LEU

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Mol	Chain	Res	Type
3	9-M	20	SER
3	9-M	22	LYS
3	9-M	30	LYS
3	9-M	35	LYS
3	9-M	36	SER
3	9-M	37	SER
3	9-M	46	SER
3	9-M	49	LYS
3	9-M	55	LYS
3	9-M	61	THR
3	9-M	69	THR
3	9-M	70	LEU
3	9-M	72	VAL
3	9-M	73	LYS
3	9-M	75	ASP
3	9-M	76	GLN
3	9-M	97	LEU
3	9-M	106	LEU
3	9-M	109	ARG
3	9-M	114	MET
3	9-M	117	THR
3	9-M	121	LEU
3	9-M	126	VAL
3	9-M	127	ASN
3	9-M	135	TYR
3	9-M	136	ASN
3	9-M	146	LYS
3	9-M	149	GLN
3	9-M	155	ILE
3	9-M	157	SER
3	9-M	158	ILE
3	9-M	159	SER
3	9-M	165	PHE
3	9-M	167	LEU
3	9-M	169	ASP
3	9-M	173	GLN
3	9-M	178	THR
3	9-M	185	LYS
3	9-M	186	THR
3	9-M	187	VAL
3	9-M	191	ARG
3	9-M	193	ILE

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Mol	Chain	Res	Type
3	9-M	194	GLN
3	9-M	198	THR
3	9-M	199	ILE
3	9-M	202	SER
3	9-M	218	LEU
3	9-M	221	GLN
3	9-M	223	ILE
3	9-M	227	PRO
3	9-M	229	LEU
3	9-M	244	SER
3	9-M	245	ARG
3	9-M	248	LYS
3	9-M	251	ARG
3	9-M	264	ASP
3	9-M	273	SER
3	9-M	274	ARG
3	9-M	278	GLN
3	9-M	282	GLU
3	9-M	287	ILE
3	9-M	290	GLN
3	9-M	294	ASN
3	9-M	298	GLU
3	9-M	300	ILE
3	9-M	325	ILE
3	9-M	331	LEU
3	9-M	336	SER
3	9-M	351	ILE
3	9-M	354	LEU
3	9-M	364	LEU
3	9-M	365	LYS
3	9-M	372	GLU
3	9-M	376	GLU
3	9-M	381	GLU
3	9-M	389	LEU
3	9-M	392	LEU
3	9-M	394	SER
3	9-M	399	LYS
3	9-M	405	ARG
3	9-M	410	ASN
3	9-M	436	LYS
3	9-M	439	LEU
3	9-M	447	GLN

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Mol	Chain	Res	Type
3	9-M	448	GLN
3	9-M	449	LEU
3	9-M	453	GLN
3	9-M	455	ARG
3	9-M	457	TYR
3	9-M	462	LEU
3	9-M	471	ASP
3	9-M	474	SER
3	9-M	480	ILE
3	9-M	487	LEU
3	9-M	495	MET
3	9-M	499	GLU
3	9-M	504	LYS
3	9-M	505	LYS
3	9-M	506	GLU
3	9-M	513	ILE
3	9-M	518	ASP
3	9-M	524	GLU
3	9-M	532	ILE
3	9-M	534	SER
3	9-M	537	GLU
3	9-M	549	SER
3	9-M	561	LYS
3	9-M	562	SER
3	9-M	563	ASN
3	9-M	580	SER
3	9-M	593	SER
3	9-M	597	GLU
3	9-M	598	LYS
3	9-M	604	ASN
3	9-M	608	ILE
3	9-M	610	LEU
3	9-M	613	LYS
3	9-M	615	SER
3	9-M	621	LEU
3	9-M	625	THR
3	9-M	626	TYR
3	9-M	664	LEU
3	9-M	666	SER
3	9-M	673	ARG
3	9-M	675	ILE
3	9-M	676	ILE

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Mol	Chain	Res	Type
3	9-M	686	MET
3	9-M	689	GLU
3	9-M	690	LEU
3	9-M	693	HIS
3	9-M	698	ASN
3	9-M	701	LEU
3	9-M	702	GLU
3	9-M	704	ILE
3	9-M	708	ARG
3	9-M	713	SER
3	9-M	714	ARG
3	9-M	716	LEU
3	9-M	719	ASP
3	9-M	722	GLN
3	9-M	723	ARG
3	9-M	728	ASN
3	9-M	734	GLU
3	9-M	737	PHE
3	9-M	738	MET
3	9-M	745	GLU
3	9-M	752	ASP
3	9-M	753	VAL
3	9-M	754	ASP
3	9-M	762	HIS
3	9-M	774	LEU
3	9-M	785	GLU
3	9-M	787	ILE
3	9-M	793	ARG
3	9-M	799	MET
3	9-M	802	GLU
3	9-M	804	ARG
3	9-M	810	ARG
3	9-M	816	ILE
3	9-M	822	SER
3	9-M	832	MET
3	9-M	834	LEU
3	9-M	838	ILE
3	9-M	842	LEU
3	9-M	843	LYS
1	10-B	14	ASN
1	10-B	16	PHE
1	10-B	35	ASP

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Mol	Chain	Res	Type
1	10-B	65	ASP
1	10-B	75	ILE
1	10-B	114	LYS
1	10-B	117	LEU
1	10-B	129	THR
1	10-B	141	PRO
1	10-B	144	VAL
1	10-B	147	ASN
1	10-B	162	ASP
2	10-C	5	ASP
2	10-C	9	ASP
2	10-C	22	ASP
2	10-C	49	ILE
2	10-C	63	ILE
2	10-C	65	PHE
2	10-C	84	PHE
2	10-C	95	ASP
2	10-C	102	VAL
2	10-C	131	GLU
2	10-C	137	ILE
3	10-M	4	ASP
3	10-M	7	MET
3	10-M	12	GLU
3	10-M	15	PRO
3	10-M	17	LEU
3	10-M	20	SER
3	10-M	22	LYS
3	10-M	30	LYS
3	10-M	35	LYS
3	10-M	36	SER
3	10-M	37	SER
3	10-M	46	SER
3	10-M	49	LYS
3	10-M	55	LYS
3	10-M	61	THR
3	10-M	69	THR
3	10-M	70	LEU
3	10-M	72	VAL
3	10-M	73	LYS
3	10-M	75	ASP
3	10-M	76	GLN
3	10-M	97	LEU

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Mol	Chain	Res	Type
3	10-M	106	LEU
3	10-M	109	ARG
3	10-M	114	MET
3	10-M	117	THR
3	10-M	121	LEU
3	10-M	126	VAL
3	10-M	127	ASN
3	10-M	135	TYR
3	10-M	136	ASN
3	10-M	146	LYS
3	10-M	149	GLN
3	10-M	155	ILE
3	10-M	157	SER
3	10-M	158	ILE
3	10-M	159	SER
3	10-M	165	PHE
3	10-M	167	LEU
3	10-M	169	ASP
3	10-M	173	GLN
3	10-M	178	THR
3	10-M	185	LYS
3	10-M	186	THR
3	10-M	187	VAL
3	10-M	191	ARG
3	10-M	193	ILE
3	10-M	194	GLN
3	10-M	198	THR
3	10-M	199	ILE
3	10-M	202	SER
3	10-M	218	LEU
3	10-M	221	GLN
3	10-M	223	ILE
3	10-M	227	PRO
3	10-M	229	LEU
3	10-M	244	SER
3	10-M	245	ARG
3	10-M	248	LYS
3	10-M	251	ARG
3	10-M	264	ASP
3	10-M	273	SER
3	10-M	274	ARG
3	10-M	278	GLN

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Mol	Chain	Res	Type
3	10-M	282	GLU
3	10-M	287	ILE
3	10-M	290	GLN
3	10-M	294	ASN
3	10-M	298	GLU
3	10-M	300	ILE
3	10-M	325	ILE
3	10-M	331	LEU
3	10-M	336	SER
3	10-M	351	ILE
3	10-M	354	LEU
3	10-M	364	LEU
3	10-M	365	LYS
3	10-M	372	GLU
3	10-M	376	GLU
3	10-M	381	GLU
3	10-M	389	LEU
3	10-M	392	LEU
3	10-M	394	SER
3	10-M	399	LYS
3	10-M	405	ARG
3	10-M	410	ASN
3	10-M	436	LYS
3	10-M	439	LEU
3	10-M	447	GLN
3	10-M	448	GLN
3	10-M	449	LEU
3	10-M	453	GLN
3	10-M	455	ARG
3	10-M	457	TYR
3	10-M	462	LEU
3	10-M	471	ASP
3	10-M	474	SER
3	10-M	480	ILE
3	10-M	487	LEU
3	10-M	495	MET
3	10-M	499	GLU
3	10-M	504	LYS
3	10-M	505	LYS
3	10-M	506	GLU
3	10-M	513	ILE
3	10-M	518	ASP

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Mol	Chain	Res	Type
3	10-M	524	GLU
3	10-M	532	ILE
3	10-M	534	SER
3	10-M	537	GLU
3	10-M	549	SER
3	10-M	561	LYS
3	10-M	562	SER
3	10-M	563	ASN
3	10-M	580	SER
3	10-M	593	SER
3	10-M	597	GLU
3	10-M	598	LYS
3	10-M	604	ASN
3	10-M	608	ILE
3	10-M	610	LEU
3	10-M	613	LYS
3	10-M	615	SER
3	10-M	621	LEU
3	10-M	625	THR
3	10-M	626	TYR
3	10-M	664	LEU
3	10-M	666	SER
3	10-M	673	ARG
3	10-M	675	ILE
3	10-M	676	ILE
3	10-M	686	MET
3	10-M	689	GLU
3	10-M	690	LEU
3	10-M	693	HIS
3	10-M	698	ASN
3	10-M	701	LEU
3	10-M	702	GLU
3	10-M	704	ILE
3	10-M	708	ARG
3	10-M	713	SER
3	10-M	714	ARG
3	10-M	716	LEU
3	10-M	719	ASP
3	10-M	722	GLN
3	10-M	723	ARG
3	10-M	728	ASN
3	10-M	734	GLU

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Mol	Chain	Res	Type
3	10-M	737	PHE
3	10-M	738	MET
3	10-M	745	GLU
3	10-M	752	ASP
3	10-M	753	VAL
3	10-M	754	ASP
3	10-M	762	HIS
3	10-M	774	LEU
3	10-M	785	GLU
3	10-M	787	ILE
3	10-M	793	ARG
3	10-M	799	MET
3	10-M	802	GLU
3	10-M	804	ARG
3	10-M	810	ARG
3	10-M	816	ILE
3	10-M	822	SER
3	10-M	832	MET
3	10-M	834	LEU
3	10-M	838	ILE
3	10-M	842	LEU
3	10-M	843	LYS
1	11-B	14	ASN
1	11-B	16	PHE
1	11-B	35	ASP
1	11-B	65	ASP
1	11-B	75	ILE
1	11-B	114	LYS
1	11-B	117	LEU
1	11-B	129	THR
1	11-B	141	PRO
1	11-B	144	VAL
1	11-B	147	ASN
1	11-B	162	ASP
2	11-C	5	ASP
2	11-C	9	ASP
2	11-C	22	ASP
2	11-C	49	ILE
2	11-C	63	ILE
2	11-C	65	PHE
2	11-C	84	PHE
2	11-C	95	ASP

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Mol	Chain	Res	Type
2	11-C	102	VAL
2	11-C	131	GLU
2	11-C	137	ILE
3	11-M	4	ASP
3	11-M	7	MET
3	11-M	12	GLU
3	11-M	15	PRO
3	11-M	17	LEU
3	11-M	20	SER
3	11-M	22	LYS
3	11-M	30	LYS
3	11-M	35	LYS
3	11-M	36	SER
3	11-M	37	SER
3	11-M	46	SER
3	11-M	49	LYS
3	11-M	55	LYS
3	11-M	61	THR
3	11-M	69	THR
3	11-M	70	LEU
3	11-M	72	VAL
3	11-M	73	LYS
3	11-M	75	ASP
3	11-M	76	GLN
3	11-M	97	LEU
3	11-M	106	LEU
3	11-M	109	ARG
3	11-M	114	MET
3	11-M	117	THR
3	11-M	121	LEU
3	11-M	126	VAL
3	11-M	127	ASN
3	11-M	135	TYR
3	11-M	136	ASN
3	11-M	146	LYS
3	11-M	149	GLN
3	11-M	155	ILE
3	11-M	157	SER
3	11-M	158	ILE
3	11-M	159	SER
3	11-M	165	PHE
3	11-M	167	LEU

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Mol	Chain	Res	Type
3	11-M	169	ASP
3	11-M	173	GLN
3	11-M	178	THR
3	11-M	185	LYS
3	11-M	186	THR
3	11-M	187	VAL
3	11-M	191	ARG
3	11-M	193	ILE
3	11-M	194	GLN
3	11-M	198	THR
3	11-M	199	ILE
3	11-M	202	SER
3	11-M	218	LEU
3	11-M	221	GLN
3	11-M	223	ILE
3	11-M	227	PRO
3	11-M	229	LEU
3	11-M	244	SER
3	11-M	245	ARG
3	11-M	248	LYS
3	11-M	251	ARG
3	11-M	264	ASP
3	11-M	273	SER
3	11-M	274	ARG
3	11-M	278	GLN
3	11-M	282	GLU
3	11-M	287	ILE
3	11-M	290	GLN
3	11-M	294	ASN
3	11-M	298	GLU
3	11-M	300	ILE
3	11-M	325	ILE
3	11-M	331	LEU
3	11-M	336	SER
3	11-M	351	ILE
3	11-M	354	LEU
3	11-M	364	LEU
3	11-M	365	LYS
3	11-M	372	GLU
3	11-M	376	GLU
3	11-M	381	GLU
3	11-M	389	LEU

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Mol	Chain	Res	Type
3	11-M	392	LEU
3	11-M	394	SER
3	11-M	399	LYS
3	11-M	405	ARG
3	11-M	410	ASN
3	11-M	436	LYS
3	11-M	439	LEU
3	11-M	447	GLN
3	11-M	448	GLN
3	11-M	449	LEU
3	11-M	453	GLN
3	11-M	455	ARG
3	11-M	457	TYR
3	11-M	462	LEU
3	11-M	471	ASP
3	11-M	474	SER
3	11-M	480	ILE
3	11-M	487	LEU
3	11-M	495	MET
3	11-M	499	GLU
3	11-M	504	LYS
3	11-M	505	LYS
3	11-M	506	GLU
3	11-M	513	ILE
3	11-M	518	ASP
3	11-M	524	GLU
3	11-M	532	ILE
3	11-M	534	SER
3	11-M	537	GLU
3	11-M	549	SER
3	11-M	561	LYS
3	11-M	562	SER
3	11-M	563	ASN
3	11-M	580	SER
3	11-M	593	SER
3	11-M	597	GLU
3	11-M	598	LYS
3	11-M	604	ASN
3	11-M	608	ILE
3	11-M	610	LEU
3	11-M	613	LYS
3	11-M	615	SER

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Mol	Chain	Res	Type
3	11-M	621	LEU
3	11-M	625	THR
3	11-M	626	TYR
3	11-M	664	LEU
3	11-M	666	SER
3	11-M	673	ARG
3	11-M	675	ILE
3	11-M	676	ILE
3	11-M	686	MET
3	11-M	689	GLU
3	11-M	690	LEU
3	11-M	693	HIS
3	11-M	698	ASN
3	11-M	701	LEU
3	11-M	702	GLU
3	11-M	704	ILE
3	11-M	708	ARG
3	11-M	713	SER
3	11-M	714	ARG
3	11-M	716	LEU
3	11-M	719	ASP
3	11-M	722	GLN
3	11-M	723	ARG
3	11-M	728	ASN
3	11-M	734	GLU
3	11-M	737	PHE
3	11-M	738	MET
3	11-M	745	GLU
3	11-M	752	ASP
3	11-M	753	VAL
3	11-M	754	ASP
3	11-M	762	HIS
3	11-M	774	LEU
3	11-M	785	GLU
3	11-M	787	ILE
3	11-M	793	ARG
3	11-M	799	MET
3	11-M	802	GLU
3	11-M	804	ARG
3	11-M	810	ARG
3	11-M	816	ILE
3	11-M	822	SER

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Mol	Chain	Res	Type
3	11-M	832	MET
3	11-M	834	LEU
3	11-M	838	ILE
3	11-M	842	LEU
3	11-M	843	LYS
1	12-B	14	ASN
1	12-B	16	PHE
1	12-B	35	ASP
1	12-B	65	ASP
1	12-B	75	ILE
1	12-B	114	LYS
1	12-B	117	LEU
1	12-B	129	THR
1	12-B	141	PRO
1	12-B	144	VAL
1	12-B	147	ASN
1	12-B	162	ASP
2	12-C	5	ASP
2	12-C	9	ASP
2	12-C	22	ASP
2	12-C	49	ILE
2	12-C	63	ILE
2	12-C	65	PHE
2	12-C	84	PHE
2	12-C	95	ASP
2	12-C	102	VAL
2	12-C	131	GLU
2	12-C	137	ILE
3	12-M	4	ASP
3	12-M	7	MET
3	12-M	12	GLU
3	12-M	15	PRO
3	12-M	17	LEU
3	12-M	20	SER
3	12-M	22	LYS
3	12-M	30	LYS
3	12-M	35	LYS
3	12-M	36	SER
3	12-M	37	SER
3	12-M	46	SER
3	12-M	49	LYS
3	12-M	55	LYS

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Mol	Chain	Res	Type
3	12-M	61	THR
3	12-M	69	THR
3	12-M	70	LEU
3	12-M	72	VAL
3	12-M	73	LYS
3	12-M	75	ASP
3	12-M	76	GLN
3	12-M	97	LEU
3	12-M	106	LEU
3	12-M	109	ARG
3	12-M	114	MET
3	12-M	117	THR
3	12-M	121	LEU
3	12-M	126	VAL
3	12-M	127	ASN
3	12-M	135	TYR
3	12-M	136	ASN
3	12-M	146	LYS
3	12-M	149	GLN
3	12-M	155	ILE
3	12-M	157	SER
3	12-M	158	ILE
3	12-M	159	SER
3	12-M	165	PHE
3	12-M	167	LEU
3	12-M	169	ASP
3	12-M	173	GLN
3	12-M	178	THR
3	12-M	185	LYS
3	12-M	186	THR
3	12-M	187	VAL
3	12-M	191	ARG
3	12-M	193	ILE
3	12-M	194	GLN
3	12-M	198	THR
3	12-M	199	ILE
3	12-M	202	SER
3	12-M	218	LEU
3	12-M	221	GLN
3	12-M	223	ILE
3	12-M	227	PRO
3	12-M	229	LEU

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Mol	Chain	Res	Type
3	12-M	244	SER
3	12-M	245	ARG
3	12-M	248	LYS
3	12-M	251	ARG
3	12-M	264	ASP
3	12-M	273	SER
3	12-M	274	ARG
3	12-M	278	GLN
3	12-M	282	GLU
3	12-M	287	ILE
3	12-M	290	GLN
3	12-M	294	ASN
3	12-M	298	GLU
3	12-M	300	ILE
3	12-M	325	ILE
3	12-M	331	LEU
3	12-M	336	SER
3	12-M	351	ILE
3	12-M	354	LEU
3	12-M	364	LEU
3	12-M	365	LYS
3	12-M	372	GLU
3	12-M	376	GLU
3	12-M	381	GLU
3	12-M	389	LEU
3	12-M	392	LEU
3	12-M	394	SER
3	12-M	399	LYS
3	12-M	405	ARG
3	12-M	410	ASN
3	12-M	436	LYS
3	12-M	439	LEU
3	12-M	447	GLN
3	12-M	448	GLN
3	12-M	449	LEU
3	12-M	453	GLN
3	12-M	455	ARG
3	12-M	457	TYR
3	12-M	462	LEU
3	12-M	471	ASP
3	12-M	474	SER
3	12-M	480	ILE

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Mol	Chain	Res	Type
3	12-M	487	LEU
3	12-M	495	MET
3	12-M	499	GLU
3	12-M	504	LYS
3	12-M	505	LYS
3	12-M	506	GLU
3	12-M	513	ILE
3	12-M	518	ASP
3	12-M	524	GLU
3	12-M	532	ILE
3	12-M	534	SER
3	12-M	537	GLU
3	12-M	549	SER
3	12-M	561	LYS
3	12-M	562	SER
3	12-M	563	ASN
3	12-M	580	SER
3	12-M	593	SER
3	12-M	597	GLU
3	12-M	598	LYS
3	12-M	604	ASN
3	12-M	608	ILE
3	12-M	610	LEU
3	12-M	613	LYS
3	12-M	615	SER
3	12-M	621	LEU
3	12-M	625	THR
3	12-M	626	TYR
3	12-M	664	LEU
3	12-M	666	SER
3	12-M	673	ARG
3	12-M	675	ILE
3	12-M	676	ILE
3	12-M	686	MET
3	12-M	689	GLU
3	12-M	690	LEU
3	12-M	693	HIS
3	12-M	698	ASN
3	12-M	701	LEU
3	12-M	702	GLU
3	12-M	704	ILE
3	12-M	708	ARG

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Mol	Chain	Res	Type
3	12-M	713	SER
3	12-M	714	ARG
3	12-M	716	LEU
3	12-M	719	ASP
3	12-M	722	GLN
3	12-M	723	ARG
3	12-M	728	ASN
3	12-M	734	GLU
3	12-M	737	PHE
3	12-M	738	MET
3	12-M	745	GLU
3	12-M	752	ASP
3	12-M	753	VAL
3	12-M	754	ASP
3	12-M	762	HIS
3	12-M	774	LEU
3	12-M	785	GLU
3	12-M	787	ILE
3	12-M	793	ARG
3	12-M	799	MET
3	12-M	802	GLU
3	12-M	804	ARG
3	12-M	810	ARG
3	12-M	816	ILE
3	12-M	822	SER
3	12-M	832	MET
3	12-M	834	LEU
3	12-M	838	ILE
3	12-M	842	LEU
3	12-M	843	LYS
1	13-B	14	ASN
1	13-B	16	PHE
1	13-B	35	ASP
1	13-B	65	ASP
1	13-B	75	ILE
1	13-B	114	LYS
1	13-B	117	LEU
1	13-B	129	THR
1	13-B	141	PRO
1	13-B	144	VAL
1	13-B	147	ASN
1	13-B	162	ASP

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Mol	Chain	Res	Type
2	13-C	5	ASP
2	13-C	9	ASP
2	13-C	22	ASP
2	13-C	49	ILE
2	13-C	63	ILE
2	13-C	65	PHE
2	13-C	84	PHE
2	13-C	95	ASP
2	13-C	102	VAL
2	13-C	131	GLU
2	13-C	137	ILE
3	13-M	4	ASP
3	13-M	7	MET
3	13-M	12	GLU
3	13-M	15	PRO
3	13-M	17	LEU
3	13-M	20	SER
3	13-M	22	LYS
3	13-M	30	LYS
3	13-M	35	LYS
3	13-M	36	SER
3	13-M	37	SER
3	13-M	46	SER
3	13-M	49	LYS
3	13-M	55	LYS
3	13-M	61	THR
3	13-M	69	THR
3	13-M	70	LEU
3	13-M	72	VAL
3	13-M	73	LYS
3	13-M	75	ASP
3	13-M	76	GLN
3	13-M	97	LEU
3	13-M	106	LEU
3	13-M	109	ARG
3	13-M	114	MET
3	13-M	117	THR
3	13-M	121	LEU
3	13-M	126	VAL
3	13-M	127	ASN
3	13-M	135	TYR
3	13-M	136	ASN

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Mol	Chain	Res	Type
3	13-M	146	LYS
3	13-M	149	GLN
3	13-M	155	ILE
3	13-M	157	SER
3	13-M	158	ILE
3	13-M	159	SER
3	13-M	165	PHE
3	13-M	167	LEU
3	13-M	169	ASP
3	13-M	173	GLN
3	13-M	178	THR
3	13-M	185	LYS
3	13-M	186	THR
3	13-M	187	VAL
3	13-M	191	ARG
3	13-M	193	ILE
3	13-M	194	GLN
3	13-M	198	THR
3	13-M	199	ILE
3	13-M	202	SER
3	13-M	218	LEU
3	13-M	221	GLN
3	13-M	223	ILE
3	13-M	227	PRO
3	13-M	229	LEU
3	13-M	244	SER
3	13-M	245	ARG
3	13-M	248	LYS
3	13-M	251	ARG
3	13-M	264	ASP
3	13-M	273	SER
3	13-M	274	ARG
3	13-M	278	GLN
3	13-M	282	GLU
3	13-M	287	ILE
3	13-M	290	GLN
3	13-M	294	ASN
3	13-M	298	GLU
3	13-M	300	ILE
3	13-M	325	ILE
3	13-M	331	LEU
3	13-M	336	SER

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Mol	Chain	Res	Type
3	13-M	351	ILE
3	13-M	354	LEU
3	13-M	364	LEU
3	13-M	365	LYS
3	13-M	372	GLU
3	13-M	376	GLU
3	13-M	381	GLU
3	13-M	389	LEU
3	13-M	392	LEU
3	13-M	394	SER
3	13-M	399	LYS
3	13-M	405	ARG
3	13-M	410	ASN
3	13-M	436	LYS
3	13-M	439	LEU
3	13-M	447	GLN
3	13-M	448	GLN
3	13-M	449	LEU
3	13-M	453	GLN
3	13-M	455	ARG
3	13-M	457	TYR
3	13-M	462	LEU
3	13-M	471	ASP
3	13-M	474	SER
3	13-M	480	ILE
3	13-M	487	LEU
3	13-M	495	MET
3	13-M	499	GLU
3	13-M	504	LYS
3	13-M	505	LYS
3	13-M	506	GLU
3	13-M	513	ILE
3	13-M	518	ASP
3	13-M	524	GLU
3	13-M	532	ILE
3	13-M	534	SER
3	13-M	537	GLU
3	13-M	549	SER
3	13-M	561	LYS
3	13-M	562	SER
3	13-M	563	ASN
3	13-M	580	SER

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Mol	Chain	Res	Type
3	13-M	593	SER
3	13-M	597	GLU
3	13-M	598	LYS
3	13-M	604	ASN
3	13-M	608	ILE
3	13-M	610	LEU
3	13-M	613	LYS
3	13-M	615	SER
3	13-M	621	LEU
3	13-M	625	THR
3	13-M	626	TYR
3	13-M	664	LEU
3	13-M	666	SER
3	13-M	673	ARG
3	13-M	675	ILE
3	13-M	676	ILE
3	13-M	686	MET
3	13-M	689	GLU
3	13-M	690	LEU
3	13-M	693	HIS
3	13-M	698	ASN
3	13-M	701	LEU
3	13-M	702	GLU
3	13-M	704	ILE
3	13-M	708	ARG
3	13-M	713	SER
3	13-M	714	ARG
3	13-M	716	LEU
3	13-M	719	ASP
3	13-M	722	GLN
3	13-M	723	ARG
3	13-M	728	ASN
3	13-M	734	GLU
3	13-M	737	PHE
3	13-M	738	MET
3	13-M	745	GLU
3	13-M	752	ASP
3	13-M	753	VAL
3	13-M	754	ASP
3	13-M	762	HIS
3	13-M	774	LEU
3	13-M	785	GLU

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Mol	Chain	Res	Type
3	13-M	787	ILE
3	13-M	793	ARG
3	13-M	799	MET
3	13-M	802	GLU
3	13-M	804	ARG
3	13-M	810	ARG
3	13-M	816	ILE
3	13-M	822	SER
3	13-M	832	MET
3	13-M	834	LEU
3	13-M	838	ILE
3	13-M	842	LEU
3	13-M	843	LYS
1	14-B	14	ASN
1	14-B	16	PHE
1	14-B	35	ASP
1	14-B	65	ASP
1	14-B	75	ILE
1	14-B	114	LYS
1	14-B	117	LEU
1	14-B	129	THR
1	14-B	141	PRO
1	14-B	144	VAL
1	14-B	147	ASN
1	14-B	162	ASP
2	14-C	5	ASP
2	14-C	9	ASP
2	14-C	22	ASP
2	14-C	49	ILE
2	14-C	63	ILE
2	14-C	65	PHE
2	14-C	84	PHE
2	14-C	95	ASP
2	14-C	102	VAL
2	14-C	131	GLU
2	14-C	137	ILE
3	14-M	4	ASP
3	14-M	7	MET
3	14-M	12	GLU
3	14-M	15	PRO
3	14-M	17	LEU
3	14-M	20	SER

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Mol	Chain	Res	Type
3	14-M	22	LYS
3	14-M	30	LYS
3	14-M	35	LYS
3	14-M	36	SER
3	14-M	37	SER
3	14-M	46	SER
3	14-M	49	LYS
3	14-M	55	LYS
3	14-M	61	THR
3	14-M	69	THR
3	14-M	70	LEU
3	14-M	72	VAL
3	14-M	73	LYS
3	14-M	75	ASP
3	14-M	76	GLN
3	14-M	97	LEU
3	14-M	106	LEU
3	14-M	109	ARG
3	14-M	114	MET
3	14-M	117	THR
3	14-M	121	LEU
3	14-M	126	VAL
3	14-M	127	ASN
3	14-M	135	TYR
3	14-M	136	ASN
3	14-M	146	LYS
3	14-M	149	GLN
3	14-M	155	ILE
3	14-M	157	SER
3	14-M	158	ILE
3	14-M	159	SER
3	14-M	165	PHE
3	14-M	167	LEU
3	14-M	169	ASP
3	14-M	173	GLN
3	14-M	178	THR
3	14-M	185	LYS
3	14-M	186	THR
3	14-M	187	VAL
3	14-M	191	ARG
3	14-M	193	ILE
3	14-M	194	GLN

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Mol	Chain	Res	Type
3	14-M	198	THR
3	14-M	199	ILE
3	14-M	202	SER
3	14-M	218	LEU
3	14-M	221	GLN
3	14-M	223	ILE
3	14-M	227	PRO
3	14-M	229	LEU
3	14-M	244	SER
3	14-M	245	ARG
3	14-M	248	LYS
3	14-M	251	ARG
3	14-M	264	ASP
3	14-M	273	SER
3	14-M	274	ARG
3	14-M	278	GLN
3	14-M	282	GLU
3	14-M	287	ILE
3	14-M	290	GLN
3	14-M	294	ASN
3	14-M	298	GLU
3	14-M	300	ILE
3	14-M	325	ILE
3	14-M	331	LEU
3	14-M	336	SER
3	14-M	351	ILE
3	14-M	354	LEU
3	14-M	364	LEU
3	14-M	365	LYS
3	14-M	372	GLU
3	14-M	376	GLU
3	14-M	381	GLU
3	14-M	389	LEU
3	14-M	392	LEU
3	14-M	394	SER
3	14-M	399	LYS
3	14-M	405	ARG
3	14-M	410	ASN
3	14-M	436	LYS
3	14-M	439	LEU
3	14-M	447	GLN
3	14-M	448	GLN

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Mol	Chain	Res	Type
3	14-M	449	LEU
3	14-M	453	GLN
3	14-M	455	ARG
3	14-M	457	TYR
3	14-M	462	LEU
3	14-M	471	ASP
3	14-M	474	SER
3	14-M	480	ILE
3	14-M	487	LEU
3	14-M	495	MET
3	14-M	499	GLU
3	14-M	504	LYS
3	14-M	505	LYS
3	14-M	506	GLU
3	14-M	513	ILE
3	14-M	518	ASP
3	14-M	524	GLU
3	14-M	532	ILE
3	14-M	534	SER
3	14-M	537	GLU
3	14-M	549	SER
3	14-M	561	LYS
3	14-M	562	SER
3	14-M	563	ASN
3	14-M	580	SER
3	14-M	593	SER
3	14-M	597	GLU
3	14-M	598	LYS
3	14-M	604	ASN
3	14-M	608	ILE
3	14-M	610	LEU
3	14-M	613	LYS
3	14-M	615	SER
3	14-M	621	LEU
3	14-M	625	THR
3	14-M	626	TYR
3	14-M	664	LEU
3	14-M	666	SER
3	14-M	673	ARG
3	14-M	675	ILE
3	14-M	676	ILE
3	14-M	686	MET

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Mol	Chain	Res	Type
3	14-M	689	GLU
3	14-M	690	LEU
3	14-M	693	HIS
3	14-M	698	ASN
3	14-M	701	LEU
3	14-M	702	GLU
3	14-M	704	ILE
3	14-M	708	ARG
3	14-M	713	SER
3	14-M	714	ARG
3	14-M	716	LEU
3	14-M	719	ASP
3	14-M	722	GLN
3	14-M	723	ARG
3	14-M	728	ASN
3	14-M	734	GLU
3	14-M	737	PHE
3	14-M	738	MET
3	14-M	745	GLU
3	14-M	752	ASP
3	14-M	753	VAL
3	14-M	754	ASP
3	14-M	762	HIS
3	14-M	774	LEU
3	14-M	785	GLU
3	14-M	787	ILE
3	14-M	793	ARG
3	14-M	799	MET
3	14-M	802	GLU
3	14-M	804	ARG
3	14-M	810	ARG
3	14-M	816	ILE
3	14-M	822	SER
3	14-M	832	MET
3	14-M	834	LEU
3	14-M	838	ILE
3	14-M	842	LEU
3	14-M	843	LYS

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (405) such sidechains are listed below:

Mol	Chain	Res	Type
1	1-B	23	GLN
1	1-B	36	GLN
1	1-B	124	GLN
1	1-B	159	HIS
2	1-C	40	ASN
2	1-C	77	ASN
3	1-M	29	ASN
3	1-M	127	ASN
3	1-M	149	GLN
3	1-M	164	GLN
3	1-M	188	ASN
3	1-M	194	GLN
3	1-M	253	HIS
3	1-M	290	GLN
3	1-M	317	GLN
3	1-M	368	GLN
3	1-M	417	GLN
3	1-M	447	GLN
3	1-M	453	GLN
3	1-M	481	ASN
3	1-M	484	ASN
3	1-M	563	ASN
3	1-M	564	ASN
3	1-M	578	HIS
3	1-M	670	HIS
3	1-M	698	ASN
3	1-M	736	GLN
3	1-M	757	GLN
3	1-M	762	HIS
1	2-B	23	GLN
1	2-B	36	GLN
1	2-B	124	GLN
1	2-B	159	HIS
2	2-C	40	ASN
2	2-C	77	ASN
3	2-M	29	ASN
3	2-M	127	ASN
3	2-M	149	GLN
3	2-M	164	GLN
3	2-M	188	ASN
3	2-M	194	GLN
3	2-M	253	HIS
3	2-M	290	GLN

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Mol	Chain	Res	Type
3	2-M	317	GLN
3	2-M	368	GLN
3	2-M	417	GLN
3	2-M	447	GLN
3	2-M	453	GLN
3	2-M	481	ASN
3	2-M	484	ASN
3	2-M	563	ASN
3	2-M	564	ASN
3	2-M	578	HIS
3	2-M	670	HIS
3	2-M	698	ASN
3	2-M	736	GLN
3	2-M	757	GLN
3	2-M	762	HIS
1	3-B	23	GLN
1	3-B	36	GLN
1	3-B	124	GLN
1	3-B	159	HIS
2	3-C	40	ASN
2	3-C	77	ASN
3	3-M	29	ASN
3	3-M	127	ASN
3	3-M	149	GLN
3	3-M	164	GLN
3	3-M	188	ASN
3	3-M	194	GLN
3	3-M	253	HIS
3	3-M	290	GLN
3	3-M	317	GLN
3	3-M	368	GLN
3	3-M	417	GLN
3	3-M	424	ASN
3	3-M	453	GLN
3	3-M	481	ASN
3	3-M	484	ASN
3	3-M	563	ASN
3	3-M	564	ASN
3	3-M	578	HIS
3	3-M	670	HIS
3	3-M	736	GLN
3	3-M	757	GLN

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Mol	Chain	Res	Type
3	3-M	762	HIS
1	4-B	23	GLN
1	4-B	36	GLN
1	4-B	124	GLN
1	4-B	159	HIS
2	4-C	40	ASN
2	4-C	77	ASN
3	4-M	29	ASN
3	4-M	127	ASN
3	4-M	149	GLN
3	4-M	164	GLN
3	4-M	188	ASN
3	4-M	194	GLN
3	4-M	253	HIS
3	4-M	290	GLN
3	4-M	317	GLN
3	4-M	368	GLN
3	4-M	417	GLN
3	4-M	447	GLN
3	4-M	453	GLN
3	4-M	481	ASN
3	4-M	484	ASN
3	4-M	563	ASN
3	4-M	564	ASN
3	4-M	578	HIS
3	4-M	670	HIS
3	4-M	698	ASN
3	4-M	736	GLN
3	4-M	757	GLN
3	4-M	762	HIS
1	5-B	23	GLN
1	5-B	36	GLN
1	5-B	124	GLN
1	5-B	159	HIS
2	5-C	40	ASN
2	5-C	77	ASN
3	5-M	29	ASN
3	5-M	127	ASN
3	5-M	149	GLN
3	5-M	164	GLN
3	5-M	188	ASN
3	5-M	194	GLN

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Mol	Chain	Res	Type
3	5-M	253	HIS
3	5-M	290	GLN
3	5-M	317	GLN
3	5-M	368	GLN
3	5-M	417	GLN
3	5-M	424	ASN
3	5-M	453	GLN
3	5-M	481	ASN
3	5-M	484	ASN
3	5-M	563	ASN
3	5-M	564	ASN
3	5-M	578	HIS
3	5-M	670	HIS
3	5-M	736	GLN
3	5-M	757	GLN
3	5-M	762	HIS
1	6-B	23	GLN
1	6-B	36	GLN
1	6-B	124	GLN
1	6-B	135	ASN
1	6-B	159	HIS
2	6-C	40	ASN
2	6-C	77	ASN
3	6-M	29	ASN
3	6-M	127	ASN
3	6-M	149	GLN
3	6-M	164	GLN
3	6-M	188	ASN
3	6-M	194	GLN
3	6-M	253	HIS
3	6-M	290	GLN
3	6-M	317	GLN
3	6-M	368	GLN
3	6-M	417	GLN
3	6-M	424	ASN
3	6-M	453	GLN
3	6-M	481	ASN
3	6-M	484	ASN
3	6-M	563	ASN
3	6-M	564	ASN
3	6-M	578	HIS
3	6-M	670	HIS

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Mol	Chain	Res	Type
3	6-M	736	GLN
3	6-M	757	GLN
3	6-M	762	HIS
1	7-B	23	GLN
1	7-B	36	GLN
1	7-B	124	GLN
1	7-B	159	HIS
2	7-C	40	ASN
2	7-C	77	ASN
3	7-M	29	ASN
3	7-M	127	ASN
3	7-M	149	GLN
3	7-M	164	GLN
3	7-M	188	ASN
3	7-M	194	GLN
3	7-M	253	HIS
3	7-M	290	GLN
3	7-M	317	GLN
3	7-M	368	GLN
3	7-M	417	GLN
3	7-M	447	GLN
3	7-M	453	GLN
3	7-M	481	ASN
3	7-M	484	ASN
3	7-M	563	ASN
3	7-M	564	ASN
3	7-M	578	HIS
3	7-M	670	HIS
3	7-M	698	ASN
3	7-M	736	GLN
3	7-M	757	GLN
3	7-M	762	HIS
1	8-B	23	GLN
1	8-B	36	GLN
1	8-B	124	GLN
1	8-B	159	HIS
2	8-C	40	ASN
2	8-C	77	ASN
3	8-M	29	ASN
3	8-M	127	ASN
3	8-M	149	GLN
3	8-M	164	GLN

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Mol	Chain	Res	Type
3	8-M	188	ASN
3	8-M	194	GLN
3	8-M	253	HIS
3	8-M	290	GLN
3	8-M	317	GLN
3	8-M	368	GLN
3	8-M	417	GLN
3	8-M	447	GLN
3	8-M	453	GLN
3	8-M	481	ASN
3	8-M	484	ASN
3	8-M	563	ASN
3	8-M	564	ASN
3	8-M	578	HIS
3	8-M	670	HIS
3	8-M	698	ASN
3	8-M	736	GLN
3	8-M	757	GLN
3	8-M	762	HIS
1	9-B	23	GLN
1	9-B	36	GLN
1	9-B	124	GLN
1	9-B	135	ASN
1	9-B	159	HIS
2	9-C	40	ASN
2	9-C	77	ASN
3	9-M	29	ASN
3	9-M	127	ASN
3	9-M	149	GLN
3	9-M	164	GLN
3	9-M	188	ASN
3	9-M	194	GLN
3	9-M	253	HIS
3	9-M	290	GLN
3	9-M	317	GLN
3	9-M	368	GLN
3	9-M	417	GLN
3	9-M	424	ASN
3	9-M	453	GLN
3	9-M	481	ASN
3	9-M	484	ASN
3	9-M	563	ASN

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Mol	Chain	Res	Type
3	9-M	564	ASN
3	9-M	578	HIS
3	9-M	670	HIS
3	9-M	736	GLN
3	9-M	757	GLN
3	9-M	762	HIS
1	10-B	23	GLN
1	10-B	36	GLN
1	10-B	124	GLN
1	10-B	159	HIS
2	10-C	40	ASN
2	10-C	77	ASN
3	10-M	29	ASN
3	10-M	127	ASN
3	10-M	149	GLN
3	10-M	164	GLN
3	10-M	188	ASN
3	10-M	194	GLN
3	10-M	253	HIS
3	10-M	290	GLN
3	10-M	317	GLN
3	10-M	368	GLN
3	10-M	417	GLN
3	10-M	447	GLN
3	10-M	453	GLN
3	10-M	481	ASN
3	10-M	484	ASN
3	10-M	563	ASN
3	10-M	564	ASN
3	10-M	578	HIS
3	10-M	670	HIS
3	10-M	698	ASN
3	10-M	736	GLN
3	10-M	757	GLN
3	10-M	762	HIS
1	11-B	23	GLN
1	11-B	36	GLN
1	11-B	124	GLN
1	11-B	135	ASN
1	11-B	159	HIS
2	11-C	40	ASN
2	11-C	77	ASN

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Mol	Chain	Res	Type
3	11-M	29	ASN
3	11-M	127	ASN
3	11-M	149	GLN
3	11-M	164	GLN
3	11-M	188	ASN
3	11-M	194	GLN
3	11-M	253	HIS
3	11-M	290	GLN
3	11-M	317	GLN
3	11-M	368	GLN
3	11-M	417	GLN
3	11-M	447	GLN
3	11-M	453	GLN
3	11-M	481	ASN
3	11-M	484	ASN
3	11-M	563	ASN
3	11-M	564	ASN
3	11-M	578	HIS
3	11-M	670	HIS
3	11-M	698	ASN
3	11-M	736	GLN
3	11-M	757	GLN
3	11-M	762	HIS
1	12-B	23	GLN
1	12-B	36	GLN
1	12-B	124	GLN
1	12-B	159	HIS
2	12-C	40	ASN
2	12-C	77	ASN
3	12-M	29	ASN
3	12-M	127	ASN
3	12-M	149	GLN
3	12-M	164	GLN
3	12-M	188	ASN
3	12-M	194	GLN
3	12-M	253	HIS
3	12-M	290	GLN
3	12-M	317	GLN
3	12-M	368	GLN
3	12-M	417	GLN
3	12-M	447	GLN
3	12-M	453	GLN

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Mol	Chain	Res	Type
3	12-M	481	ASN
3	12-M	484	ASN
3	12-M	563	ASN
3	12-M	564	ASN
3	12-M	578	HIS
3	12-M	670	HIS
3	12-M	698	ASN
3	12-M	736	GLN
3	12-M	757	GLN
3	12-M	762	HIS
1	13-B	23	GLN
1	13-B	36	GLN
1	13-B	124	GLN
1	13-B	159	HIS
2	13-C	40	ASN
2	13-C	77	ASN
3	13-M	29	ASN
3	13-M	127	ASN
3	13-M	149	GLN
3	13-M	164	GLN
3	13-M	188	ASN
3	13-M	194	GLN
3	13-M	253	HIS
3	13-M	290	GLN
3	13-M	317	GLN
3	13-M	368	GLN
3	13-M	417	GLN
3	13-M	447	GLN
3	13-M	453	GLN
3	13-M	481	ASN
3	13-M	484	ASN
3	13-M	563	ASN
3	13-M	564	ASN
3	13-M	578	HIS
3	13-M	670	HIS
3	13-M	698	ASN
3	13-M	736	GLN
3	13-M	757	GLN
3	13-M	762	HIS
1	14-B	23	GLN
1	14-B	36	GLN
1	14-B	124	GLN

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Mol	Chain	Res	Type
1	14-B	159	HIS
2	14-C	40	ASN
2	14-C	77	ASN
3	14-M	29	ASN
3	14-M	127	ASN
3	14-M	149	GLN
3	14-M	164	GLN
3	14-M	188	ASN
3	14-M	194	GLN
3	14-M	253	HIS
3	14-M	290	GLN
3	14-M	317	GLN
3	14-M	368	GLN
3	14-M	417	GLN
3	14-M	447	GLN
3	14-M	453	GLN
3	14-M	481	ASN
3	14-M	484	ASN
3	14-M	563	ASN
3	14-M	564	ASN
3	14-M	578	HIS
3	14-M	670	HIS
3	14-M	698	ASN
3	14-M	736	GLN
3	14-M	757	GLN
3	14-M	762	HIS

5.3.3 RNA

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates

There are no carbohydrates in this entry.

5.6 Ligand geometry

There are no ligands in this entry.

5.7 Other polymers

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.