



Full wwPDB EM Validation Report ⓘ

Mar 10, 2026 – 04:02 AM UTC

PDB ID : 6QVK / pdb_00006qvk
EMDB ID : EMD-4655
Title : The cryo-EM structure of bacteriophage phi29 prohead
Authors : Xu, J.; Gui, M.; Xiang, Y.
Deposited on : 2019-03-03
Resolution : 3.60 Å(reported)

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

EMDB validation analysis : 0.0.1.dev132
MolProbity : 4-5-2 with Phenix2.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics : 202505.v01 (Using data in the EMDb archive up until May 2025)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

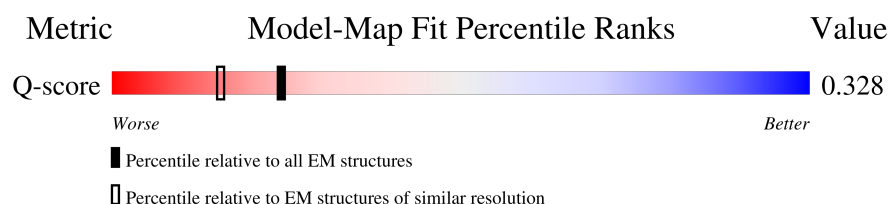
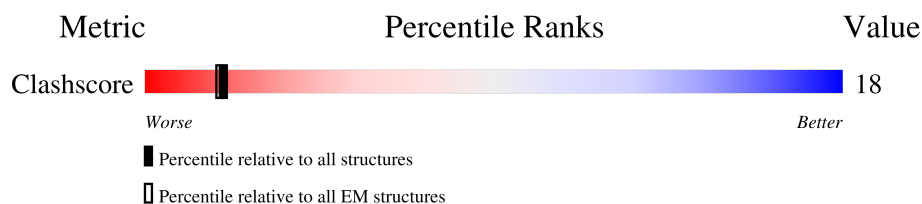
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

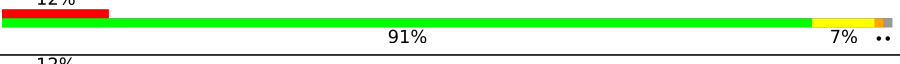
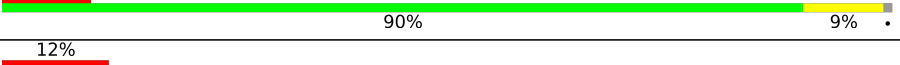
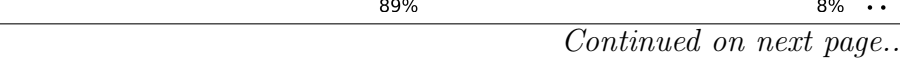
The reported resolution of this entry is 3.60 Å.

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)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Q-score	-	25397	12797 (3.10 - 4.10)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. 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 $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	1A	448	
1	1B	448	
1	1C	448	
1	1D	448	
1	1E	448	
1	1F	448	

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Mol	Chain	Length	Quality of chain
1	1G	448	
1	1H	448	
1	1I	448	
1	1J	448	
1	1K	448	
1	1L	448	
1	1M	448	
1	1N	448	
1	1O	448	
1	1P	448	
1	1Q	448	
1	1R	448	
1	1S	448	
1	1T	448	
1	1U	448	
1	1V	448	
1	1W	448	
1	1X	448	
1	1Y	448	
1	1Z	448	
1	1a	448	
1	1b	448	
1	1c	448	
1	1d	448	
1	2A	448	

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Mol	Chain	Length	Quality of chain
1	2B	448	12% 88% 10% ..
1	2C	448	14% 90% 9% ..
1	2D	448	14% 92% 7% ..
1	2E	448	13% 85% 13% ..
1	2F	448	12% 89% 8% .
1	2G	448	12% 88% 10% ..
1	2H	448	12% 89% 10% ..
1	2I	448	15% 91% 8% ..
1	2J	448	14% 86% 12% ..
1	2K	448	12% 89% 8% ..
1	2L	448	11% 88% 10% ..
1	2M	448	14% 88% 10% ..
1	2N	448	14% 91% 7% ..
1	2O	448	13% 86% 12% ..
1	2P	448	12% 88% 9% ..
1	2Q	448	10% 87% 12% ..
1	2R	448	13% 88% 11% ..
1	2S	448	14% 91% 8% ..
1	2T	448	13% 86% 12% ..
1	2U	448	11% 89% 8% ..
1	2V	448	12% 88% 10% ..
1	2W	448	14% 89% 10% ..
1	2X	448	15% 91% 7% ..
1	2Y	448	13% 86% 12% ..
1	3A	448	7% 88% 9% .

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Mol	Chain	Length	Quality of chain
1	3B	448	
1	3C	448	
1	3D	448	
1	3E	448	
1	3F	448	
1	3G	448	
1	3H	448	
1	3I	448	
1	3J	448	
1	3K	448	
1	3L	448	
1	3M	448	
1	3N	448	
1	3O	448	
1	3P	448	
1	3Q	448	
1	3R	448	
1	3S	448	
1	3T	448	
1	3U	448	
1	3V	448	
1	3W	448	
1	3X	448	
1	3Y	448	
1	3Z	448	

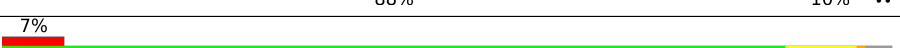
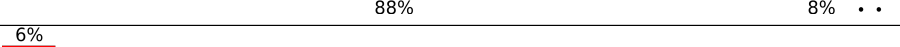
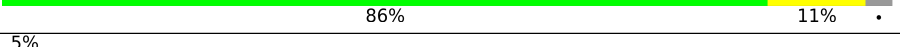
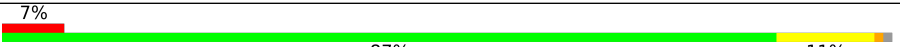
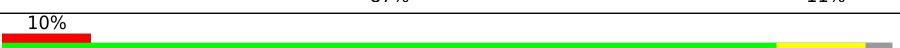
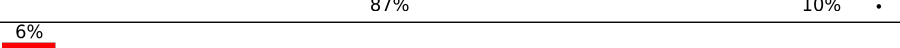
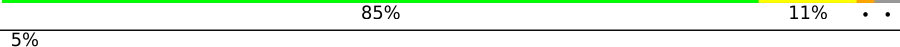
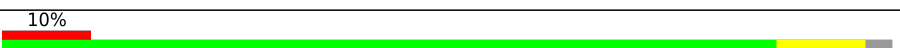
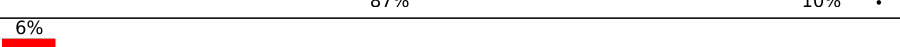
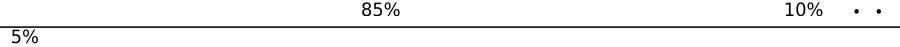
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Mol	Chain	Length	Quality of chain
1	3a	448	
1	3b	448	
1	3c	448	
1	3d	448	
1	4A	448	
1	4B	448	
1	4C	448	
1	4D	448	
1	4E	448	
1	4F	448	
1	4G	448	
1	4H	448	
1	4I	448	
1	4J	448	
1	4K	448	
1	4L	448	
1	4M	448	
1	4N	448	
1	4O	448	
1	4P	448	
1	4Q	448	
1	4R	448	
1	4S	448	
1	4T	448	
1	4U	448	

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Mol	Chain	Length	Quality of chain
1	4V	448	 88% 9% ..
1	4W	448	 7% 87% 11% ..
1	4X	448	 8% 88% 10% ..
1	4Y	448	 7% 88% 8% ..
1	4Z	448	 6% 86% 11% .
1	4a	448	 5% 89% 8% .
1	4b	448	 89% 8% ..
1	4c	448	 6% 87% 11% ..
1	4d	448	 7% 87% 11% ..
1	5A	448	 10% 87% 10% .
1	5B	448	 6% 85% 11% ..
1	5C	448	 5% 86% 10% ..
1	5D	448	 87% 10% .
1	5E	448	 10% 87% 12% ..
1	5F	448	 13% 86% 11% ..
1	5G	448	 10% 87% 10% .
1	5H	448	 6% 85% 10% ..
1	5I	448	 5% 86% 10% ..
1	5J	448	 87% 9% .
1	5K	448	 10% 87% 12% ..
1	5L	448	 12% 87% 11% ..
1	5M	448	 9% 87% 10% .
1	5N	448	 6% 85% 10% ..
1	5O	448	 5% 86% 10% ..
1	5P	448	 87% 10% .

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Mol	Chain	Length	Quality of chain
1	5Q	448	
1	5R	448	
1	5S	448	
1	5T	448	
1	5U	448	
1	5V	448	
1	5W	448	
1	5X	448	
1	5Y	448	
1	5Z	448	
1	5a	448	
1	5b	448	
1	5c	448	
1	5d	448	
1	6A	448	
1	6B	448	
1	6C	448	
1	6D	448	
1	6E	448	
1	6F	448	
1	6G	448	
1	6H	448	
1	6I	448	
1	6J	448	
1	6K	448	

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Mol	Chain	Length	Quality of chain
1	6L	448	
1	6M	448	
1	6N	448	
1	6O	448	
1	6P	448	
1	6Q	448	
1	6R	448	
1	6S	448	
1	6T	448	
1	6U	448	
1	6V	448	
1	6W	448	
1	6X	448	
1	6Y	448	
1	6Z	448	
1	6a	448	
1	6b	448	
1	6c	448	
1	6d	448	
1	7A	448	
1	7B	448	
1	7C	448	
1	7D	448	
1	7E	448	
1	7F	448	

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Mol	Chain	Length	Quality of chain
1	7G	448	27% 92% 7% .
1	7H	448	26% 88% 10% ..
1	7I	448	25% 91% 8% ..
1	7J	448	27% 88% 10% ..
1	7K	448	30% 88% 9% ..
1	7L	448	29% 92% 7% .
1	7M	448	26% 89% 9% ..
1	7N	448	25% 90% 9% ..
1	7O	448	28% 88% 11% ..
1	7P	448	33% 88% 10% ..
1	7Q	448	29% 91% 8% .
1	7R	448	27% 87% 11% ..
1	7S	448	25% 88% 10% ..
1	7T	448	29% 89% 10% ..
1	7U	448	31% 88% 10% ..
1	7V	448	27% 91% 8% .
1	7W	448	27% 88% 10% ..
1	7X	448	25% 90% 9% ..
1	7Y	448	27% 90% 9% ..
1	8A	448	21% 86% 12% ..
1	8B	448	22% 90% 8% ..
1	8C	448	19% 89% 9% ..
1	8D	448	20% 91% 8% .
1	8E	448	20% 90% 9% ..
1	8F	448	22% 88% 10% ..

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Mol	Chain	Length	Quality of chain
1	8G	448	20% 87% 11% ..
1	8H	448	23% 90% 8% ..
1	8I	448	19% 90% 9% ..
1	8J	448	20% 90% 8% ..
1	8K	448	20% 90% 9% ..
1	8L	448	22% 87% 11% ..
1	8M	448	20% 87% 11% ..
1	8N	448	25% 90% 8% ..
1	8O	448	19% 90% 9% ..
1	8P	448	20% 90% 8% ..
1	8Q	448	21% 90% 9% ..
1	8R	448	22% 88% 11% ..
1	8S	448	20% 86% 12% ..
1	8T	448	24% 91% 8% ..
1	8U	448	20% 89% 9% ..
1	8V	448	19% 90% 8% ..
1	8W	448	20% 90% 9% ..
1	8X	448	22% 88% 10% ..
1	8Y	448	21% 87% 11% ..
1	8Z	448	23% 90% 8% ..
1	8a	448	20% 90% 8% ..
1	8b	448	19% 91% 8% ..
1	8c	448	20% 90% 8% ..
1	8d	448	22% 88% 10% ..
1	9A	448	37% 91% 8% .

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Mol	Chain	Length	Quality of chain
1	9B	448	
1	9C	448	
1	9D	448	
1	9E	448	
2	1e	281	
2	1f	281	
2	1g	281	
2	1h	281	
2	1i	281	
2	1j	281	
2	1k	281	
2	1l	281	
2	1m	281	
2	1n	281	
2	1o	281	
2	1p	281	
2	1q	281	
2	1r	281	
2	1s	281	
2	1t	281	
2	1u	281	
2	1v	281	
2	1w	281	
2	1x	281	
2	2Z	281	

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Mol	Chain	Length	Quality of chain
2	2a	281	91% 71% 28%
2	2b	281	79% 69% 30%
2	2c	281	97% 68% 31%
2	2d	281	81% 65% 34%
2	2e	281	78% 67% 32%
2	2f	281	90% 71% 28%
2	2g	281	78% 69% 30%
2	2h	281	95% 67% 32%
2	2i	281	80% 63% 35%
2	2j	281	79% 67% 32%
2	2k	281	90% 69% 30%
2	2l	281	81% 68% 31%
2	2m	281	96% 68% 31%
2	2n	281	79% 64% 35%
2	2o	281	78% 67% 32%
2	2p	281	89% 70% 29%
2	2q	281	80% 67% 32%
2	2r	281	95% 68% 31%
2	2s	281	81% 64% 35%
2	2t	281	77% 67% 32%
2	2u	281	86% 70% 29%
2	2v	281	82% 69% 30%
2	2w	281	96% 68% 31%
2	2x	281	81% 64% 35%
2	3e	281	84% 62% 37%

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Mol	Chain	Length	Quality of chain
2	3f	281	
2	3g	281	
2	3h	281	
2	3i	281	
2	3j	281	
2	3k	281	
2	3l	281	
2	3m	281	
2	3n	281	
2	3o	281	
2	3p	281	
2	3q	281	
2	3r	281	
2	3s	281	
2	3t	281	
2	3u	281	
2	3v	281	
2	3w	281	
2	3x	281	
2	4e	281	
2	4f	281	
2	4g	281	
2	4h	281	
2	4i	281	
2	4j	281	

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Mol	Chain	Length	Quality of chain
2	4k	281	84% 69% 30% .
2	4l	281	94% 75% 23% ..
2	4m	281	84% 70% 28% .
2	4n	281	95% 74% 24% ..
2	5e	281	95% 70% 28% .
2	5f	281	99% 72% 27% .
2	5g	281	96% 70% 29% .
2	5h	281	99% 72% 27% .
2	5i	281	97% 70% 28% .
2	5j	281	98% 71% 28% .
2	5k	281	96% 69% 30% .
2	5l	281	99% 71% 28% .
2	5m	281	95% 70% 29% .
2	5n	281	98% 71% 28% .
2	6e	281	97% 66% 32% ..
2	6f	281	100% 68% 31% .
2	6g	281	96% 62% 37% .
2	6h	281	99% 73% 26% .
2	6i	281	94% 67% 32% ..
2	6j	281	99% 68% 31% .
2	6k	281	97% 61% 38% .
2	6l	281	99% 74% 25% .
2	6m	281	95% 66% 32% ..
2	6n	281	99% 69% 30% .
2	6o	281	97% 60% 38% .

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Mol	Chain	Length	Quality of chain
2	6p	281	99% 74% 25% .
2	6q	281	96% 65% 33% ..
2	6r	281	99% 68% 31% .
2	6s	281	95% 59% 40% .
2	6t	281	99% 73% 26% .
2	6u	281	96% 67% 32% ..
2	6v	281	100% 68% 31% .
2	6w	281	97% 59% 40% .
2	6x	281	99% 72% 27% .
2	7Z	281	94% 68% 31% .
2	7a	281	99% 73% 26% .
2	7b	281	97% 75% 23% .
2	7c	281	99% 64% 35% .
2	7d	281	97% 76% 23% .
2	7e	281	92% 68% 31% .
2	7f	281	98% 73% 26% .
2	7g	281	96% 76% 23% .
2	7h	281	99% 64% 35% .
2	7i	281	96% 77% 22% .
2	7j	281	92% 67% 32% .
2	7k	281	98% 73% 26% .
2	7l	281	95% 77% 22% .
2	7m	281	99% 67% 32% .
2	7n	281	96% 77% 22% .
2	7o	281	94% 66% 33% .

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Mol	Chain	Length	Quality of chain
2	7p	281	98% 71% 28% .
2	7q	281	97% 75% 24% .
2	7r	281	100% 66% 33% .
2	7s	281	97% 77% 22% .
2	7t	281	94% 67% 32% .
2	7u	281	98% 72% 27% .
2	7v	281	98% 75% 23% .
2	7w	281	99% 65% 34% .
2	7x	281	98% 77% 22% .
2	8e	281	97% 58% 41% ..
2	8f	281	99% 78% 21% .
2	8g	281	98% 65% 34% .
2	8h	281	98% 74% 24% ..
2	8i	281	98% 71% 28% .
2	8j	281	99% 65% 33% ..
2	8k	281	98% 60% 38% ..
2	8l	281	100% 78% 21% .
2	8m	281	98% 65% 33% .
2	8n	281	98% 74% 24% ..
2	8o	281	97% 70% 29% .
2	8p	281	98% 64% 34% ..
2	8q	281	98% 59% 39% ..
2	8r	281	99% 78% 21% .
2	8s	281	98% 65% 34% .
2	8t	281	99% 75% 23% ..

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Mol	Chain	Length	Quality of chain
2	8u	281	98% 69% 30% .
2	8v	281	98% 64% 34% ..
2	8w	281	98% 58% 40% ..
2	8x	281	99% 79% 20% .
2	8y	281	99% 65% 34% .
2	8z	281	98% 75% 23% ..
2	9F	281	98% 59% 40% .
2	9G	281	99% 59% 40% .
2	9H	281	98% 58% 41% .
2	9I	281	98% 58% 41% .
2	9J	281	98% 58% 41% .
2	9K	281	98% 69% 30% .
2	9L	281	99% 64% 35% ..
2	9M	281	99% 58% 41% ..
2	9N	281	99% 78% 21% .
2	9O	281	98% 65% 33% .
2	9P	281	99% 76% 22% ..
2	9Q	281	98% 70% 29% .
2	9R	281	99% 64% 35% ..

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 1161605 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 Major capsid protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1A	433	Total	C	N	O	S	0	0
			3397	2146	578	665	8		
1	1B	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1C	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1D	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1E	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	1F	438	Total	C	N	O	S	0	0
			3449	2182	584	675	8		
1	2A	438	Total	C	N	O	S	0	0
			3430	2167	583	672	8		
1	2B	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2C	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2D	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3A	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3B	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3C	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3D	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3F	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	4A	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4B	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4C	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4D	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4F	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5A	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5B	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5C	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5D	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5F	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6A	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6B	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6C	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6D	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6F	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7A	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7B	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7C	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	7D	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8A	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8B	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8C	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8D	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8F	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	9A	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1G	433	Total	C	N	O	S	0	0
			3397	2146	578	665	8		
1	1H	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1I	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1J	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1K	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	1L	438	Total	C	N	O	S	0	0
			3449	2182	584	675	8		
1	2F	438	Total	C	N	O	S	0	0
			3430	2167	583	672	8		
1	2G	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2H	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2I	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2J	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3G	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	3H	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3I	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3J	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3K	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3L	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4G	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4H	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4I	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4J	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4K	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4L	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5G	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5H	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5I	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5J	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5K	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5L	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6G	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6H	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6I	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6J	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	6K	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6L	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7F	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7G	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7H	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7I	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7J	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8G	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8H	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8I	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8J	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8K	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8L	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	9B	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1M	433	Total	C	N	O	S	0	0
			3397	2146	578	665	8		
1	1N	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1O	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1P	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1Q	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	1R	438	Total	C	N	O	S	0	0
			3449	2182	584	675	8		
1	2K	438	Total	C	N	O	S	0	0
			3430	2167	583	672	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	2L	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	2M	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	2N	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	2O	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	3M	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	3N	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	3O	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	3P	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	3Q	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	3R	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	4M	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	4N	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	4O	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	4P	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	4Q	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	4R	445	Total 3487	C 2203	N 592	O 684	S 8	0	0
1	5M	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	5N	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	5O	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	5P	435	Total 3426	C 2169	N 579	O 670	S 8	0	0
1	5Q	445	Total 3487	C 2203	N 592	O 684	S 8	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	5R	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6M	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6N	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6O	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6P	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6Q	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6R	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7K	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7L	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7M	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7N	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7O	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8M	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8N	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8O	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8P	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8Q	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8R	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	9C	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1S	433	Total	C	N	O	S	0	0
			3397	2146	578	665	8		
1	1T	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	1U	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1V	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1W	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	1X	438	Total	C	N	O	S	0	0
			3449	2182	584	675	8		
1	2P	438	Total	C	N	O	S	0	0
			3430	2167	583	672	8		
1	2Q	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2R	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2S	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2T	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3S	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3T	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3U	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3V	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4S	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4T	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4U	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4V	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	5S	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5T	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5U	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5V	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6S	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6T	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6U	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6V	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7P	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7Q	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7R	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7S	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7T	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8S	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8T	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8U	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8V	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	8W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	9D	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1Y	433	Total	C	N	O	S	0	0
			3397	2146	578	665	8		
1	1Z	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1a	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1b	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	1c	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	1d	438	Total	C	N	O	S	0	0
			3449	2182	584	675	8		
1	2U	438	Total	C	N	O	S	0	0
			3430	2167	583	672	8		
1	2V	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	2Y	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3Y	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3Z	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	3a	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3b	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3c	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	3d	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4Y	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	4Z	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4a	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4b	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	4c	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	4d	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5Y	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5Z	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5a	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5b	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	5c	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	5d	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6Y	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6Z	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6a	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6b	435	Total	C	N	O	S	0	0
			3426	2169	579	670	8		
1	6c	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	6d	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7U	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7V	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7W	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	7X	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	7Y	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8Y	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8Z	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8a	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8b	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8c	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	8d	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		
1	9E	445	Total	C	N	O	S	0	0
			3487	2203	592	684	8		

- Molecule 2 is a protein called Capsid fiber protein.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	1e	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1f	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	1g	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1h	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	2Z	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2a	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2b	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2c	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2d	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3e	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3f	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	3g	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3h	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4e	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4f	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	5e	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	5f	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6e	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6f	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	6g	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6h	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7Z	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7a	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7b	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7c	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7d	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8e	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8f	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8g	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8h	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8i	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8j	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	9F	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1i	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1j	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	1k	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1l	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	2e	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2f	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2g	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2h	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2i	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3i	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3j	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3k	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3l	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4g	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4h	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	5g	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	5h	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6i	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6j	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	6k	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	6l	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7e	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7f	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7g	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7h	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7i	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8k	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8l	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8m	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8n	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8o	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8p	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9G	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1m	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1n	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	1o	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1p	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	2j	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2k	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2l	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2m	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	2n	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3m	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3n	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3o	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3p	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4i	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4j	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	5i	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	5j	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6m	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6n	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	6o	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6p	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7j	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7k	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7l	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7m	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7n	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8q	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8r	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8s	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	8t	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8u	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8v	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9H	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1q	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1r	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	1s	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1t	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	2o	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2p	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2q	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2r	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	2s	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3q	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3r	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	3s	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	3t	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4k	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	4l	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	5k	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	5l	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	6q	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6r	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	6s	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	6t	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7o	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7p	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7q	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7r	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	7s	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8w	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	8x	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8y	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	8z	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9K	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	9L	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9I	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1u	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1v	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	1w	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	1x	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	2t	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	2u	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	2v	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	2w	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	2x	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	3u	279	Total 2098	C 1312	N 348	O 435	S 3	8	0
2	3v	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	3w	279	Total 2098	C 1312	N 348	O 435	S 3	8	0
2	3x	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	4m	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	4n	279	Total 2098	C 1312	N 348	O 435	S 3	8	0
2	5m	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	5n	279	Total 2098	C 1312	N 348	O 435	S 3	8	0
2	6u	279	Total 2098	C 1312	N 348	O 435	S 3	8	0
2	6v	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	6w	279	Total 2098	C 1312	N 348	O 435	S 3	8	0
2	6x	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	7t	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	7u	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	7v	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	7w	280	Total 2106	C 1317	N 349	O 436	S 4	8	0
2	7x	280	Total 2106	C 1317	N 349	O 436	S 4	8	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	9M	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9N	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	9O	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	9P	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9Q	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		
2	9R	279	Total	C	N	O	S	8	0
			2098	1312	348	435	3		
2	9J	280	Total	C	N	O	S	8	0
			2106	1317	349	436	4		

There are 330 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
1e	123	GLU	ASP	conflict	UNP B3VMP4
1e	281	LEU	-	insertion	UNP B3VMP4
1f	123	GLU	ASP	conflict	UNP B3VMP4
1f	281	LEU	-	insertion	UNP B3VMP4
1g	123	GLU	ASP	conflict	UNP B3VMP4
1g	281	LEU	-	insertion	UNP B3VMP4
1h	123	GLU	ASP	conflict	UNP B3VMP4
1h	281	LEU	-	insertion	UNP B3VMP4
2Z	123	GLU	ASP	conflict	UNP B3VMP4
2Z	281	LEU	-	insertion	UNP B3VMP4
2a	123	GLU	ASP	conflict	UNP B3VMP4
2a	281	LEU	-	insertion	UNP B3VMP4
2b	123	GLU	ASP	conflict	UNP B3VMP4
2b	281	LEU	-	insertion	UNP B3VMP4
2c	123	GLU	ASP	conflict	UNP B3VMP4
2c	281	LEU	-	insertion	UNP B3VMP4
2d	123	GLU	ASP	conflict	UNP B3VMP4
2d	281	LEU	-	insertion	UNP B3VMP4
3e	123	GLU	ASP	conflict	UNP B3VMP4
3e	281	LEU	-	insertion	UNP B3VMP4
3f	123	GLU	ASP	conflict	UNP B3VMP4
3f	281	LEU	-	insertion	UNP B3VMP4
3g	123	GLU	ASP	conflict	UNP B3VMP4
3g	281	LEU	-	insertion	UNP B3VMP4
3h	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
3h	281	LEU	-	insertion	UNP B3VMP4
4e	123	GLU	ASP	conflict	UNP B3VMP4
4e	281	LEU	-	insertion	UNP B3VMP4
4f	123	GLU	ASP	conflict	UNP B3VMP4
4f	281	LEU	-	insertion	UNP B3VMP4
5e	123	GLU	ASP	conflict	UNP B3VMP4
5e	281	LEU	-	insertion	UNP B3VMP4
5f	123	GLU	ASP	conflict	UNP B3VMP4
5f	281	LEU	-	insertion	UNP B3VMP4
6e	123	GLU	ASP	conflict	UNP B3VMP4
6e	281	LEU	-	insertion	UNP B3VMP4
6f	123	GLU	ASP	conflict	UNP B3VMP4
6f	281	LEU	-	insertion	UNP B3VMP4
6g	123	GLU	ASP	conflict	UNP B3VMP4
6g	281	LEU	-	insertion	UNP B3VMP4
6h	123	GLU	ASP	conflict	UNP B3VMP4
6h	281	LEU	-	insertion	UNP B3VMP4
7Z	123	GLU	ASP	conflict	UNP B3VMP4
7Z	281	LEU	-	insertion	UNP B3VMP4
7a	123	GLU	ASP	conflict	UNP B3VMP4
7a	281	LEU	-	insertion	UNP B3VMP4
7b	123	GLU	ASP	conflict	UNP B3VMP4
7b	281	LEU	-	insertion	UNP B3VMP4
7c	123	GLU	ASP	conflict	UNP B3VMP4
7c	281	LEU	-	insertion	UNP B3VMP4
7d	123	GLU	ASP	conflict	UNP B3VMP4
7d	281	LEU	-	insertion	UNP B3VMP4
8e	123	GLU	ASP	conflict	UNP B3VMP4
8e	281	LEU	-	insertion	UNP B3VMP4
8f	123	GLU	ASP	conflict	UNP B3VMP4
8f	281	LEU	-	insertion	UNP B3VMP4
8g	123	GLU	ASP	conflict	UNP B3VMP4
8g	281	LEU	-	insertion	UNP B3VMP4
8h	123	GLU	ASP	conflict	UNP B3VMP4
8h	281	LEU	-	insertion	UNP B3VMP4
8i	123	GLU	ASP	conflict	UNP B3VMP4
8i	281	LEU	-	insertion	UNP B3VMP4
8j	123	GLU	ASP	conflict	UNP B3VMP4
8j	281	LEU	-	insertion	UNP B3VMP4
9F	123	GLU	ASP	conflict	UNP B3VMP4
9F	281	LEU	-	insertion	UNP B3VMP4
1i	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
1i	281	LEU	-	insertion	UNP B3VMP4
1j	123	GLU	ASP	conflict	UNP B3VMP4
1j	281	LEU	-	insertion	UNP B3VMP4
1k	123	GLU	ASP	conflict	UNP B3VMP4
1k	281	LEU	-	insertion	UNP B3VMP4
1l	123	GLU	ASP	conflict	UNP B3VMP4
1l	281	LEU	-	insertion	UNP B3VMP4
2e	123	GLU	ASP	conflict	UNP B3VMP4
2e	281	LEU	-	insertion	UNP B3VMP4
2f	123	GLU	ASP	conflict	UNP B3VMP4
2f	281	LEU	-	insertion	UNP B3VMP4
2g	123	GLU	ASP	conflict	UNP B3VMP4
2g	281	LEU	-	insertion	UNP B3VMP4
2h	123	GLU	ASP	conflict	UNP B3VMP4
2h	281	LEU	-	insertion	UNP B3VMP4
2i	123	GLU	ASP	conflict	UNP B3VMP4
2i	281	LEU	-	insertion	UNP B3VMP4
3i	123	GLU	ASP	conflict	UNP B3VMP4
3i	281	LEU	-	insertion	UNP B3VMP4
3j	123	GLU	ASP	conflict	UNP B3VMP4
3j	281	LEU	-	insertion	UNP B3VMP4
3k	123	GLU	ASP	conflict	UNP B3VMP4
3k	281	LEU	-	insertion	UNP B3VMP4
3l	123	GLU	ASP	conflict	UNP B3VMP4
3l	281	LEU	-	insertion	UNP B3VMP4
4g	123	GLU	ASP	conflict	UNP B3VMP4
4g	281	LEU	-	insertion	UNP B3VMP4
4h	123	GLU	ASP	conflict	UNP B3VMP4
4h	281	LEU	-	insertion	UNP B3VMP4
5g	123	GLU	ASP	conflict	UNP B3VMP4
5g	281	LEU	-	insertion	UNP B3VMP4
5h	123	GLU	ASP	conflict	UNP B3VMP4
5h	281	LEU	-	insertion	UNP B3VMP4
6i	123	GLU	ASP	conflict	UNP B3VMP4
6i	281	LEU	-	insertion	UNP B3VMP4
6j	123	GLU	ASP	conflict	UNP B3VMP4
6j	281	LEU	-	insertion	UNP B3VMP4
6k	123	GLU	ASP	conflict	UNP B3VMP4
6k	281	LEU	-	insertion	UNP B3VMP4
6l	123	GLU	ASP	conflict	UNP B3VMP4
6l	281	LEU	-	insertion	UNP B3VMP4
7e	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
7e	281	LEU	-	insertion	UNP B3VMP4
7f	123	GLU	ASP	conflict	UNP B3VMP4
7f	281	LEU	-	insertion	UNP B3VMP4
7g	123	GLU	ASP	conflict	UNP B3VMP4
7g	281	LEU	-	insertion	UNP B3VMP4
7h	123	GLU	ASP	conflict	UNP B3VMP4
7h	281	LEU	-	insertion	UNP B3VMP4
7i	123	GLU	ASP	conflict	UNP B3VMP4
7i	281	LEU	-	insertion	UNP B3VMP4
8k	123	GLU	ASP	conflict	UNP B3VMP4
8k	281	LEU	-	insertion	UNP B3VMP4
8l	123	GLU	ASP	conflict	UNP B3VMP4
8l	281	LEU	-	insertion	UNP B3VMP4
8m	123	GLU	ASP	conflict	UNP B3VMP4
8m	281	LEU	-	insertion	UNP B3VMP4
8n	123	GLU	ASP	conflict	UNP B3VMP4
8n	281	LEU	-	insertion	UNP B3VMP4
8o	123	GLU	ASP	conflict	UNP B3VMP4
8o	281	LEU	-	insertion	UNP B3VMP4
8p	123	GLU	ASP	conflict	UNP B3VMP4
8p	281	LEU	-	insertion	UNP B3VMP4
9G	123	GLU	ASP	conflict	UNP B3VMP4
9G	281	LEU	-	insertion	UNP B3VMP4
1m	123	GLU	ASP	conflict	UNP B3VMP4
1m	281	LEU	-	insertion	UNP B3VMP4
1n	123	GLU	ASP	conflict	UNP B3VMP4
1n	281	LEU	-	insertion	UNP B3VMP4
1o	123	GLU	ASP	conflict	UNP B3VMP4
1o	281	LEU	-	insertion	UNP B3VMP4
1p	123	GLU	ASP	conflict	UNP B3VMP4
1p	281	LEU	-	insertion	UNP B3VMP4
2j	123	GLU	ASP	conflict	UNP B3VMP4
2j	281	LEU	-	insertion	UNP B3VMP4
2k	123	GLU	ASP	conflict	UNP B3VMP4
2k	281	LEU	-	insertion	UNP B3VMP4
2l	123	GLU	ASP	conflict	UNP B3VMP4
2l	281	LEU	-	insertion	UNP B3VMP4
2m	123	GLU	ASP	conflict	UNP B3VMP4
2m	281	LEU	-	insertion	UNP B3VMP4
2n	123	GLU	ASP	conflict	UNP B3VMP4
2n	281	LEU	-	insertion	UNP B3VMP4
3m	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
3m	281	LEU	-	insertion	UNP B3VMP4
3n	123	GLU	ASP	conflict	UNP B3VMP4
3n	281	LEU	-	insertion	UNP B3VMP4
3o	123	GLU	ASP	conflict	UNP B3VMP4
3o	281	LEU	-	insertion	UNP B3VMP4
3p	123	GLU	ASP	conflict	UNP B3VMP4
3p	281	LEU	-	insertion	UNP B3VMP4
4i	123	GLU	ASP	conflict	UNP B3VMP4
4i	281	LEU	-	insertion	UNP B3VMP4
4j	123	GLU	ASP	conflict	UNP B3VMP4
4j	281	LEU	-	insertion	UNP B3VMP4
5i	123	GLU	ASP	conflict	UNP B3VMP4
5i	281	LEU	-	insertion	UNP B3VMP4
5j	123	GLU	ASP	conflict	UNP B3VMP4
5j	281	LEU	-	insertion	UNP B3VMP4
6m	123	GLU	ASP	conflict	UNP B3VMP4
6m	281	LEU	-	insertion	UNP B3VMP4
6n	123	GLU	ASP	conflict	UNP B3VMP4
6n	281	LEU	-	insertion	UNP B3VMP4
6o	123	GLU	ASP	conflict	UNP B3VMP4
6o	281	LEU	-	insertion	UNP B3VMP4
6p	123	GLU	ASP	conflict	UNP B3VMP4
6p	281	LEU	-	insertion	UNP B3VMP4
7j	123	GLU	ASP	conflict	UNP B3VMP4
7j	281	LEU	-	insertion	UNP B3VMP4
7k	123	GLU	ASP	conflict	UNP B3VMP4
7k	281	LEU	-	insertion	UNP B3VMP4
7l	123	GLU	ASP	conflict	UNP B3VMP4
7l	281	LEU	-	insertion	UNP B3VMP4
7m	123	GLU	ASP	conflict	UNP B3VMP4
7m	281	LEU	-	insertion	UNP B3VMP4
7n	123	GLU	ASP	conflict	UNP B3VMP4
7n	281	LEU	-	insertion	UNP B3VMP4
8q	123	GLU	ASP	conflict	UNP B3VMP4
8q	281	LEU	-	insertion	UNP B3VMP4
8r	123	GLU	ASP	conflict	UNP B3VMP4
8r	281	LEU	-	insertion	UNP B3VMP4
8s	123	GLU	ASP	conflict	UNP B3VMP4
8s	281	LEU	-	insertion	UNP B3VMP4
8t	123	GLU	ASP	conflict	UNP B3VMP4
8t	281	LEU	-	insertion	UNP B3VMP4
8u	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
8u	281	LEU	-	insertion	UNP B3VMP4
8v	123	GLU	ASP	conflict	UNP B3VMP4
8v	281	LEU	-	insertion	UNP B3VMP4
9H	123	GLU	ASP	conflict	UNP B3VMP4
9H	281	LEU	-	insertion	UNP B3VMP4
1q	123	GLU	ASP	conflict	UNP B3VMP4
1q	281	LEU	-	insertion	UNP B3VMP4
1r	123	GLU	ASP	conflict	UNP B3VMP4
1r	281	LEU	-	insertion	UNP B3VMP4
1s	123	GLU	ASP	conflict	UNP B3VMP4
1s	281	LEU	-	insertion	UNP B3VMP4
1t	123	GLU	ASP	conflict	UNP B3VMP4
1t	281	LEU	-	insertion	UNP B3VMP4
2o	123	GLU	ASP	conflict	UNP B3VMP4
2o	281	LEU	-	insertion	UNP B3VMP4
2p	123	GLU	ASP	conflict	UNP B3VMP4
2p	281	LEU	-	insertion	UNP B3VMP4
2q	123	GLU	ASP	conflict	UNP B3VMP4
2q	281	LEU	-	insertion	UNP B3VMP4
2r	123	GLU	ASP	conflict	UNP B3VMP4
2r	281	LEU	-	insertion	UNP B3VMP4
2s	123	GLU	ASP	conflict	UNP B3VMP4
2s	281	LEU	-	insertion	UNP B3VMP4
3q	123	GLU	ASP	conflict	UNP B3VMP4
3q	281	LEU	-	insertion	UNP B3VMP4
3r	123	GLU	ASP	conflict	UNP B3VMP4
3r	281	LEU	-	insertion	UNP B3VMP4
3s	123	GLU	ASP	conflict	UNP B3VMP4
3s	281	LEU	-	insertion	UNP B3VMP4
3t	123	GLU	ASP	conflict	UNP B3VMP4
3t	281	LEU	-	insertion	UNP B3VMP4
4k	123	GLU	ASP	conflict	UNP B3VMP4
4k	281	LEU	-	insertion	UNP B3VMP4
4l	123	GLU	ASP	conflict	UNP B3VMP4
4l	281	LEU	-	insertion	UNP B3VMP4
5k	123	GLU	ASP	conflict	UNP B3VMP4
5k	281	LEU	-	insertion	UNP B3VMP4
5l	123	GLU	ASP	conflict	UNP B3VMP4
5l	281	LEU	-	insertion	UNP B3VMP4
6q	123	GLU	ASP	conflict	UNP B3VMP4
6q	281	LEU	-	insertion	UNP B3VMP4
6r	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
6r	281	LEU	-	insertion	UNP B3VMP4
6s	123	GLU	ASP	conflict	UNP B3VMP4
6s	281	LEU	-	insertion	UNP B3VMP4
6t	123	GLU	ASP	conflict	UNP B3VMP4
6t	281	LEU	-	insertion	UNP B3VMP4
7o	123	GLU	ASP	conflict	UNP B3VMP4
7o	281	LEU	-	insertion	UNP B3VMP4
7p	123	GLU	ASP	conflict	UNP B3VMP4
7p	281	LEU	-	insertion	UNP B3VMP4
7q	123	GLU	ASP	conflict	UNP B3VMP4
7q	281	LEU	-	insertion	UNP B3VMP4
7r	123	GLU	ASP	conflict	UNP B3VMP4
7r	281	LEU	-	insertion	UNP B3VMP4
7s	123	GLU	ASP	conflict	UNP B3VMP4
7s	281	LEU	-	insertion	UNP B3VMP4
8w	123	GLU	ASP	conflict	UNP B3VMP4
8w	281	LEU	-	insertion	UNP B3VMP4
8x	123	GLU	ASP	conflict	UNP B3VMP4
8x	281	LEU	-	insertion	UNP B3VMP4
8y	123	GLU	ASP	conflict	UNP B3VMP4
8y	281	LEU	-	insertion	UNP B3VMP4
8z	123	GLU	ASP	conflict	UNP B3VMP4
8z	281	LEU	-	insertion	UNP B3VMP4
9K	123	GLU	ASP	conflict	UNP B3VMP4
9K	281	LEU	-	insertion	UNP B3VMP4
9L	123	GLU	ASP	conflict	UNP B3VMP4
9L	281	LEU	-	insertion	UNP B3VMP4
9I	123	GLU	ASP	conflict	UNP B3VMP4
9I	281	LEU	-	insertion	UNP B3VMP4
1u	123	GLU	ASP	conflict	UNP B3VMP4
1u	281	LEU	-	insertion	UNP B3VMP4
1v	123	GLU	ASP	conflict	UNP B3VMP4
1v	281	LEU	-	insertion	UNP B3VMP4
1w	123	GLU	ASP	conflict	UNP B3VMP4
1w	281	LEU	-	insertion	UNP B3VMP4
1x	123	GLU	ASP	conflict	UNP B3VMP4
1x	281	LEU	-	insertion	UNP B3VMP4
2t	123	GLU	ASP	conflict	UNP B3VMP4
2t	281	LEU	-	insertion	UNP B3VMP4
2u	123	GLU	ASP	conflict	UNP B3VMP4
2u	281	LEU	-	insertion	UNP B3VMP4
2v	123	GLU	ASP	conflict	UNP B3VMP4

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Chain	Residue	Modelled	Actual	Comment	Reference
2v	281	LEU	-	insertion	UNP B3VMP4
2w	123	GLU	ASP	conflict	UNP B3VMP4
2w	281	LEU	-	insertion	UNP B3VMP4
2x	123	GLU	ASP	conflict	UNP B3VMP4
2x	281	LEU	-	insertion	UNP B3VMP4
3u	123	GLU	ASP	conflict	UNP B3VMP4
3u	281	LEU	-	insertion	UNP B3VMP4
3v	123	GLU	ASP	conflict	UNP B3VMP4
3v	281	LEU	-	insertion	UNP B3VMP4
3w	123	GLU	ASP	conflict	UNP B3VMP4
3w	281	LEU	-	insertion	UNP B3VMP4
3x	123	GLU	ASP	conflict	UNP B3VMP4
3x	281	LEU	-	insertion	UNP B3VMP4
4m	123	GLU	ASP	conflict	UNP B3VMP4
4m	281	LEU	-	insertion	UNP B3VMP4
4n	123	GLU	ASP	conflict	UNP B3VMP4
4n	281	LEU	-	insertion	UNP B3VMP4
5m	123	GLU	ASP	conflict	UNP B3VMP4
5m	281	LEU	-	insertion	UNP B3VMP4
5n	123	GLU	ASP	conflict	UNP B3VMP4
5n	281	LEU	-	insertion	UNP B3VMP4
6u	123	GLU	ASP	conflict	UNP B3VMP4
6u	281	LEU	-	insertion	UNP B3VMP4
6v	123	GLU	ASP	conflict	UNP B3VMP4
6v	281	LEU	-	insertion	UNP B3VMP4
6w	123	GLU	ASP	conflict	UNP B3VMP4
6w	281	LEU	-	insertion	UNP B3VMP4
6x	123	GLU	ASP	conflict	UNP B3VMP4
6x	281	LEU	-	insertion	UNP B3VMP4
7t	123	GLU	ASP	conflict	UNP B3VMP4
7t	281	LEU	-	insertion	UNP B3VMP4
7u	123	GLU	ASP	conflict	UNP B3VMP4
7u	281	LEU	-	insertion	UNP B3VMP4
7v	123	GLU	ASP	conflict	UNP B3VMP4
7v	281	LEU	-	insertion	UNP B3VMP4
7w	123	GLU	ASP	conflict	UNP B3VMP4
7w	281	LEU	-	insertion	UNP B3VMP4
7x	123	GLU	ASP	conflict	UNP B3VMP4
7x	281	LEU	-	insertion	UNP B3VMP4
9M	123	GLU	ASP	conflict	UNP B3VMP4
9M	281	LEU	-	insertion	UNP B3VMP4
9N	123	GLU	ASP	conflict	UNP B3VMP4

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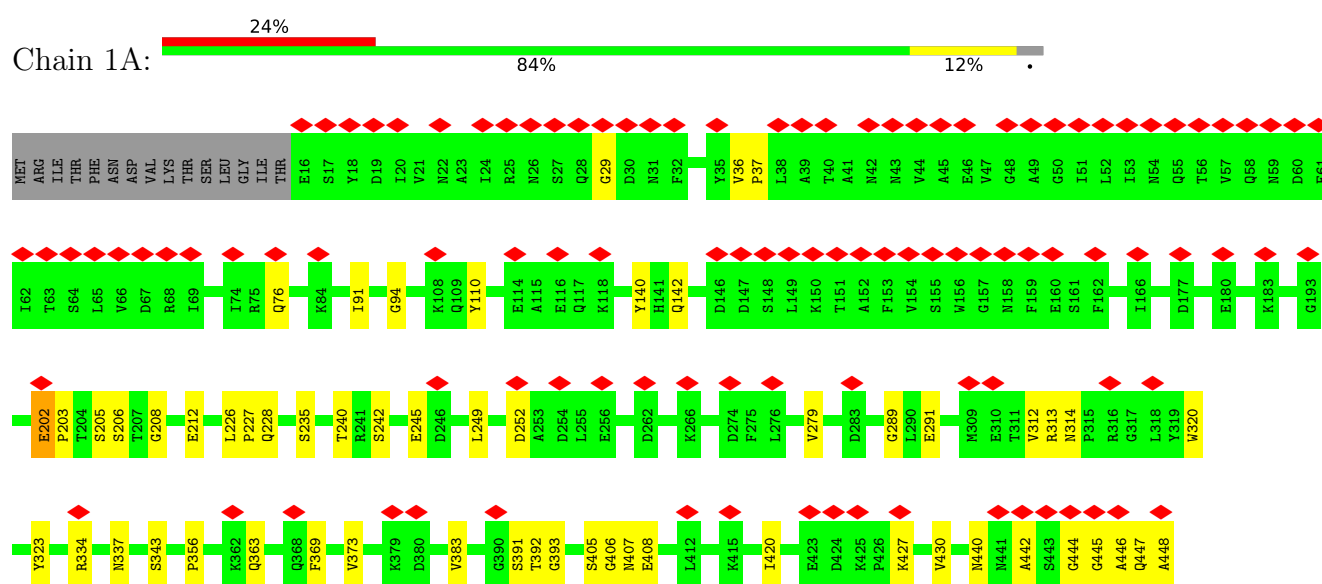
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Chain	Residue	Modelled	Actual	Comment	Reference
9N	281	LEU	-	insertion	UNP B3VMP4
9O	123	GLU	ASP	conflict	UNP B3VMP4
9O	281	LEU	-	insertion	UNP B3VMP4
9P	123	GLU	ASP	conflict	UNP B3VMP4
9P	281	LEU	-	insertion	UNP B3VMP4
9Q	123	GLU	ASP	conflict	UNP B3VMP4
9Q	281	LEU	-	insertion	UNP B3VMP4
9R	123	GLU	ASP	conflict	UNP B3VMP4
9R	281	LEU	-	insertion	UNP B3VMP4
9J	123	GLU	ASP	conflict	UNP B3VMP4
9J	281	LEU	-	insertion	UNP B3VMP4

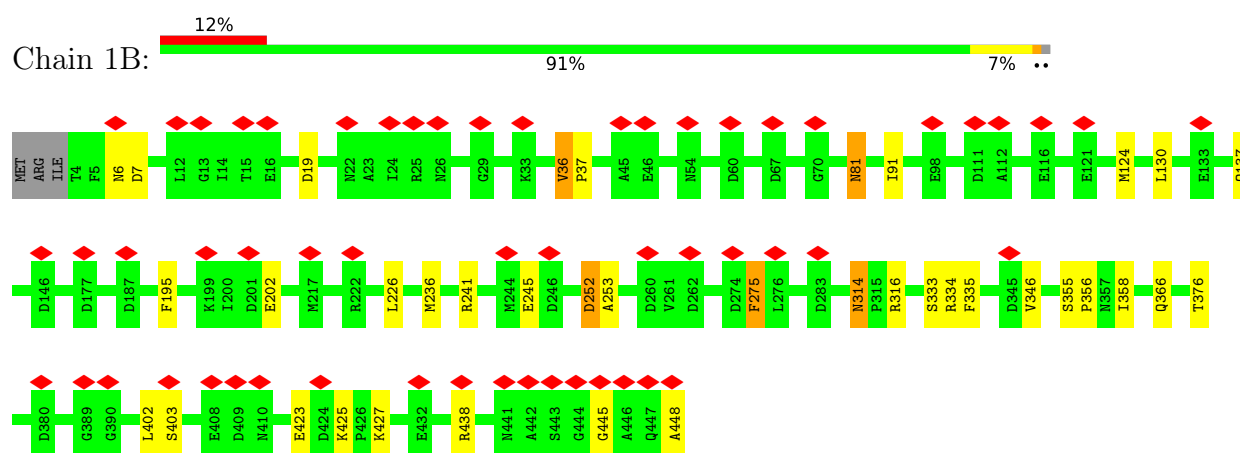
3 Residue-property plots

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and atom inclusion in map density. 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. A red diamond above a residue indicates a poor fit to the EM map for this residue (all-atom inclusion < 40%). 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.

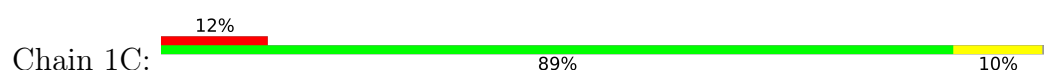
- Molecule 1: Major capsid protein

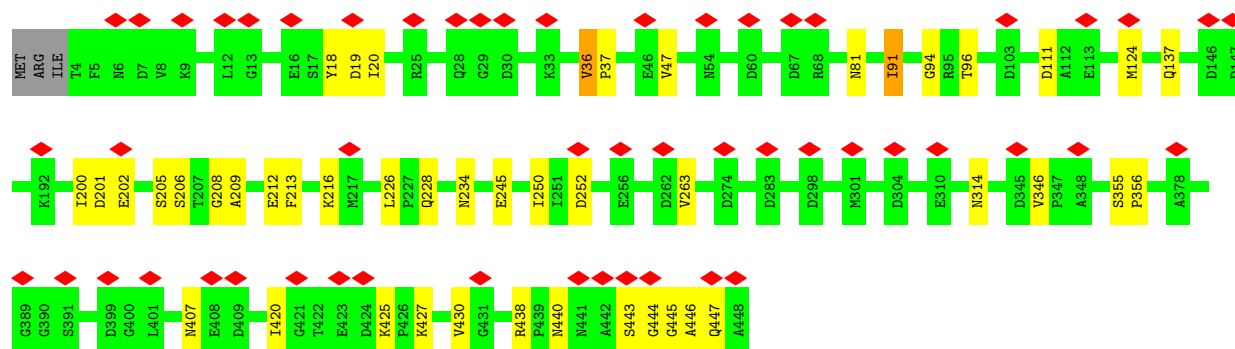


- Molecule 1: Major capsid protein

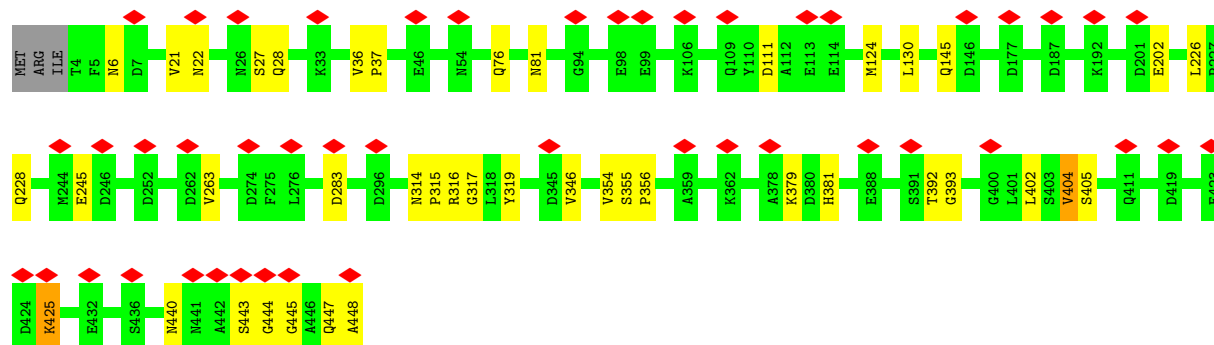


- Molecule 1: Major capsid protein

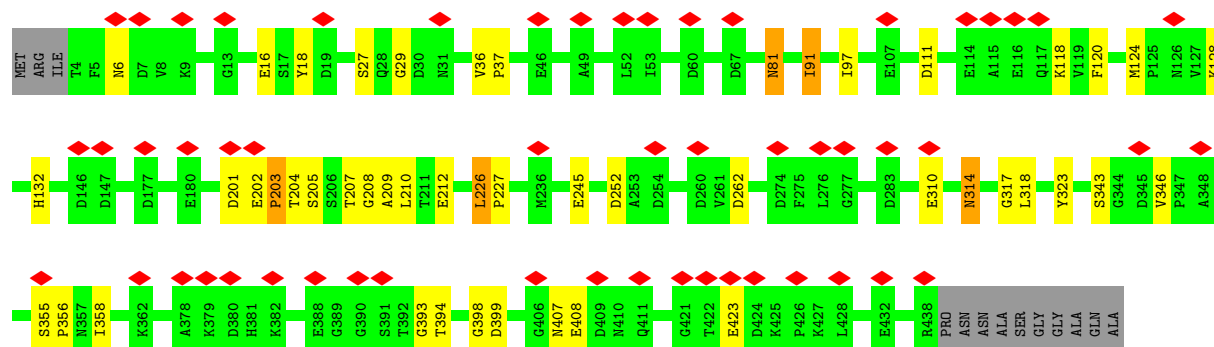
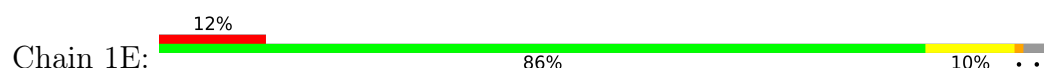




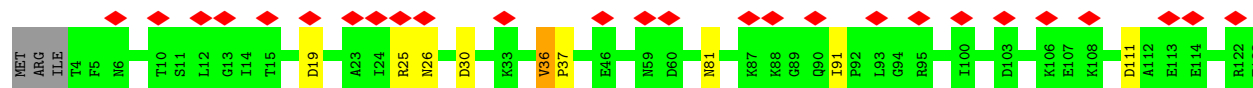
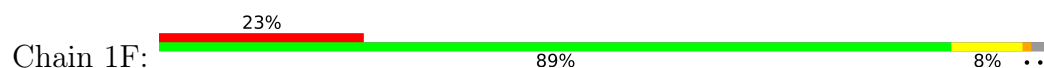
• Molecule 1: Major capsid protein

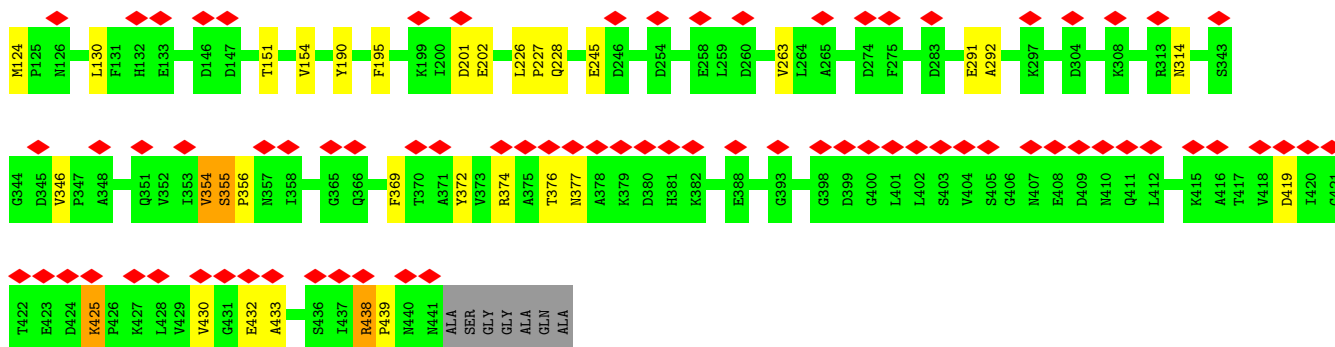


• Molecule 1: Major capsid protein



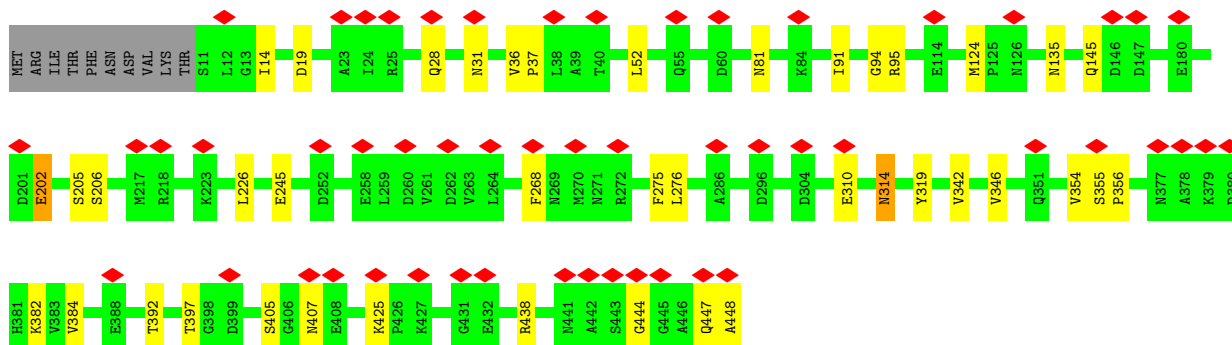
• Molecule 1: Major capsid protein





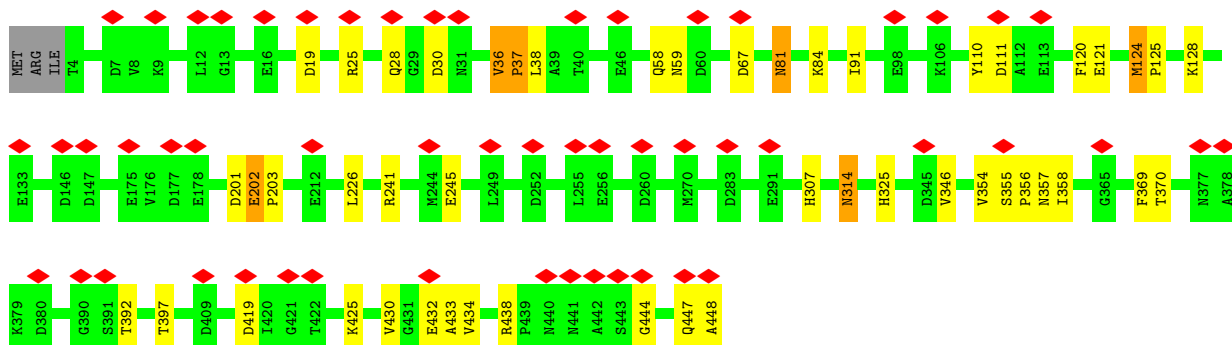
• Molecule 1: Major capsid protein

Chain 2A: 12% 89% 9% .



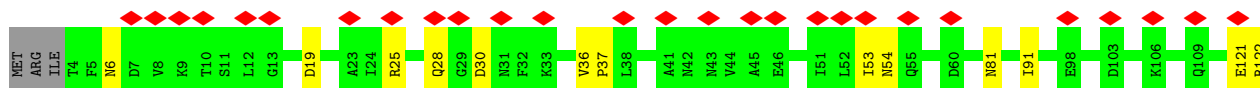
• Molecule 1: Major capsid protein

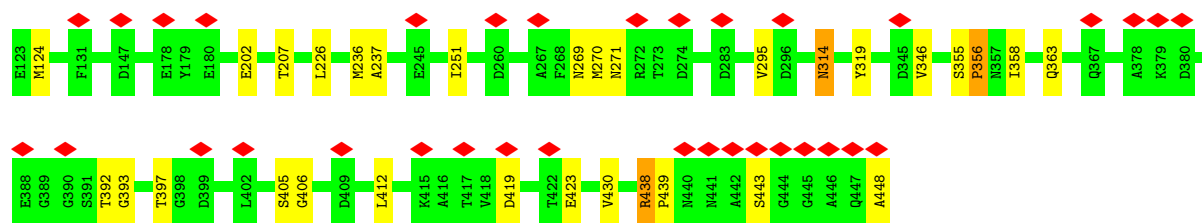
Chain 2B: 12% 88% 10% ..



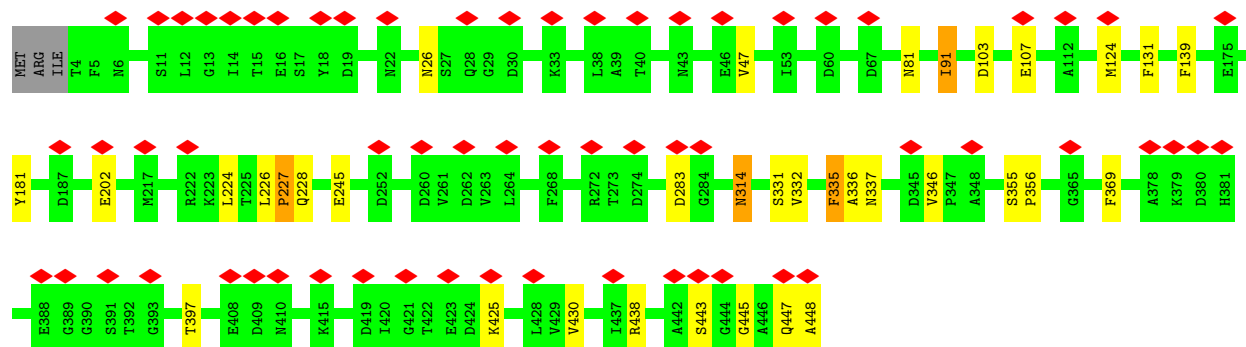
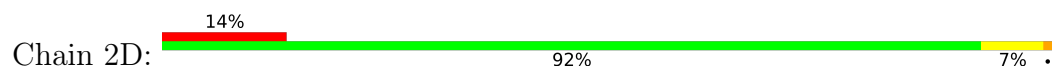
• Molecule 1: Major capsid protein

Chain 2C: 14% 90% 9% ..

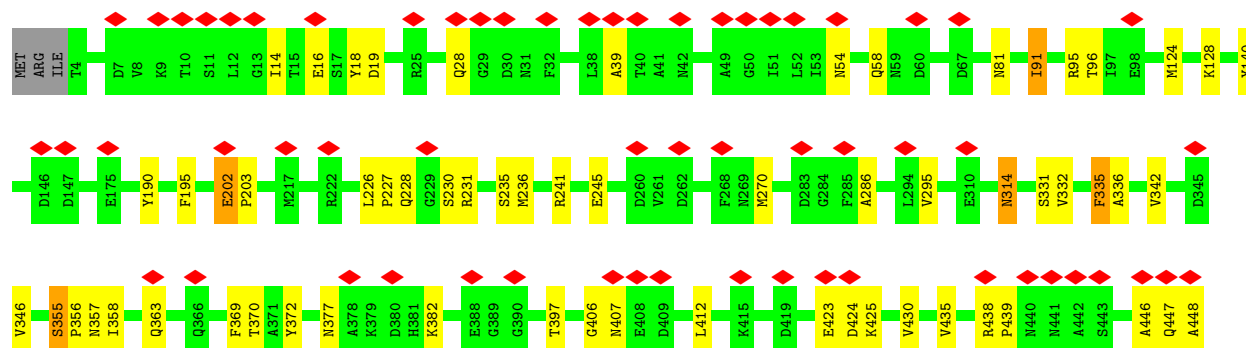
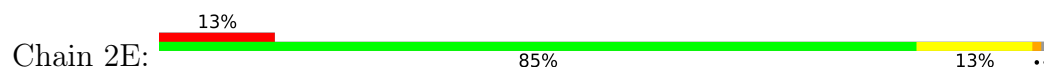




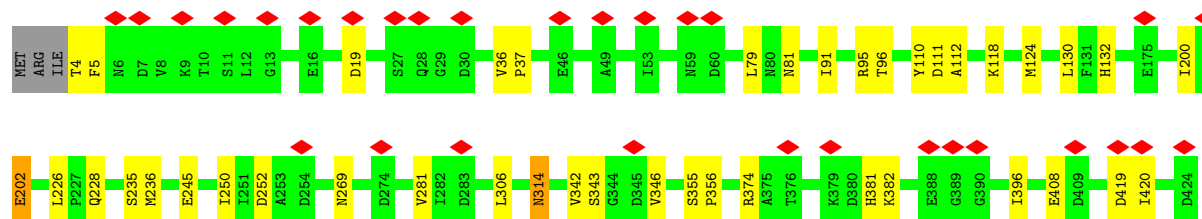
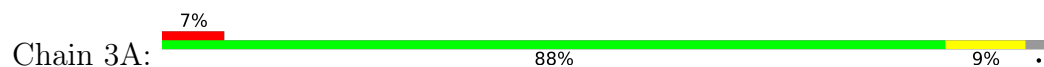
• Molecule 1: Major capsid protein

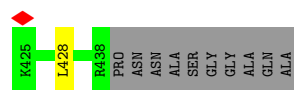


• Molecule 1: Major capsid protein

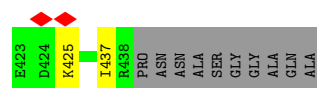
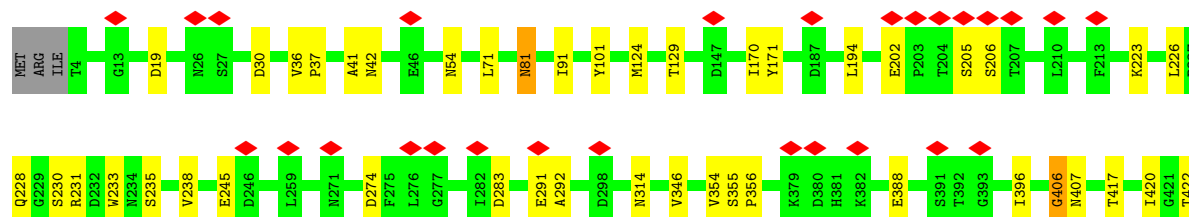
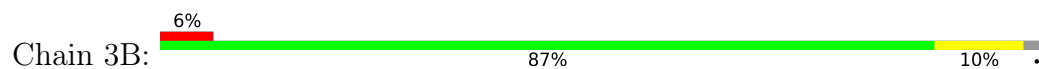


• Molecule 1: Major capsid protein

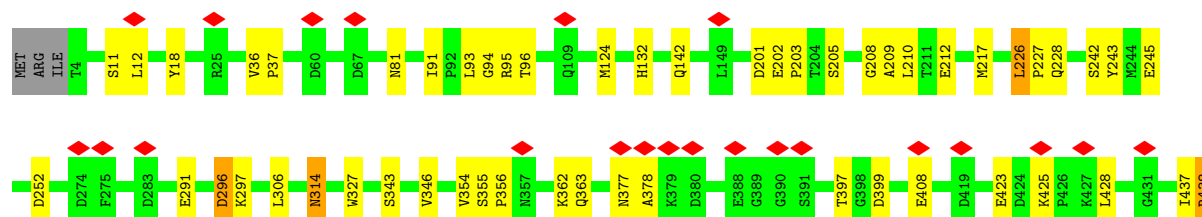
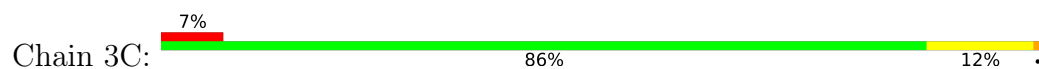




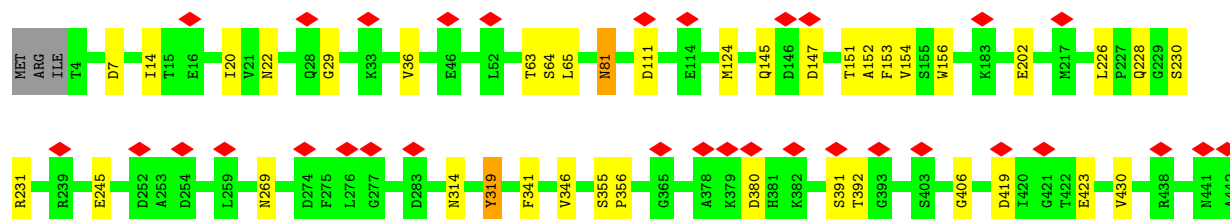
- Molecule 1: Major capsid protein



- Molecule 1: Major capsid protein

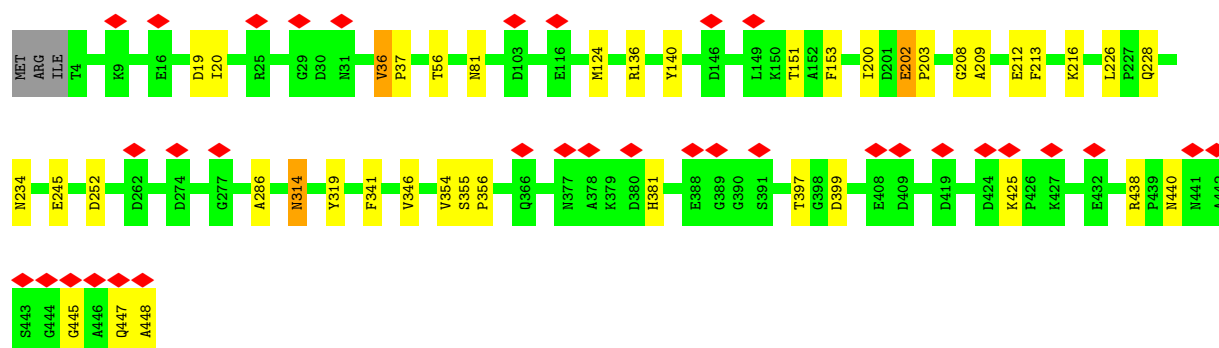


- Molecule 1: Major capsid protein



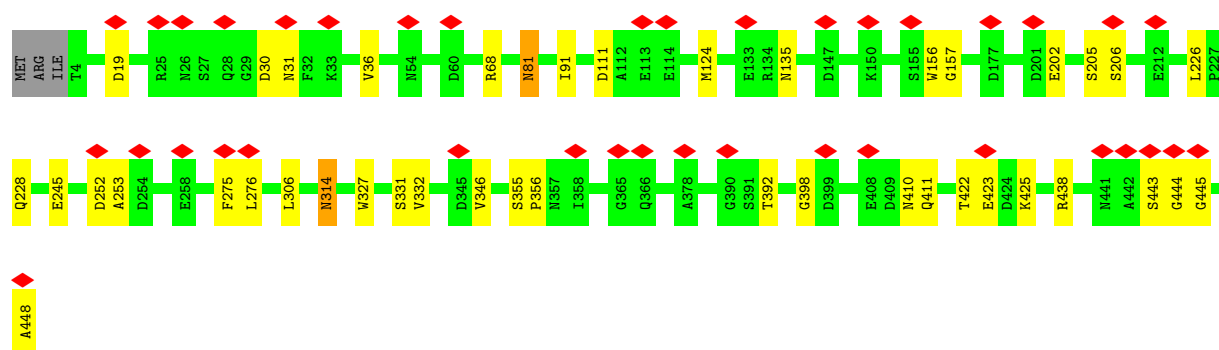
- Molecule 1: Major capsid protein

Chain 3E: 

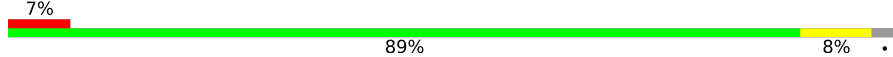


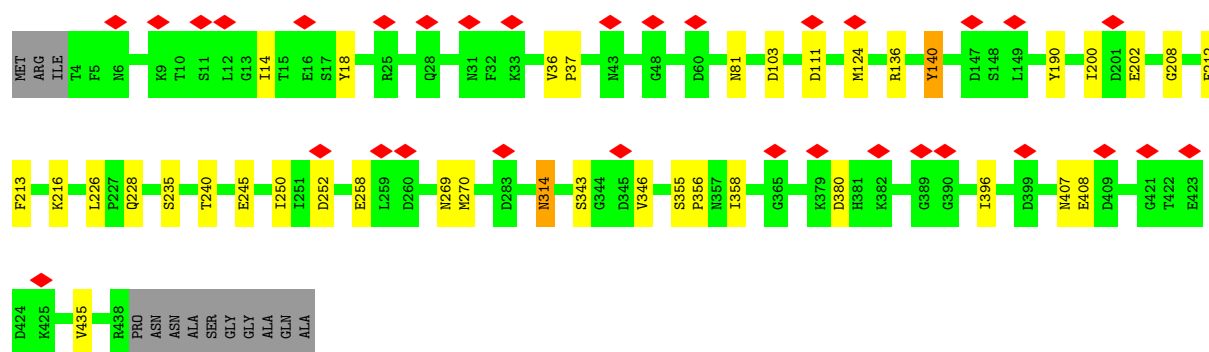
- Molecule 1: Major capsid protein

Chain 3F: 



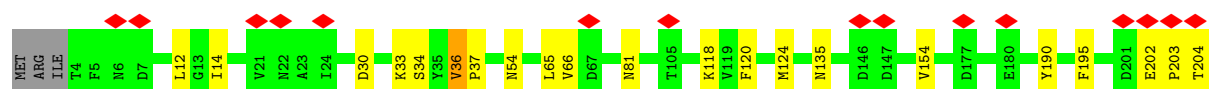
- Molecule 1: Major capsid protein

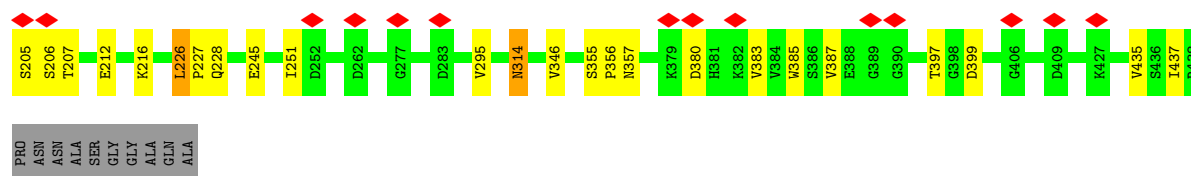
Chain 4A: 



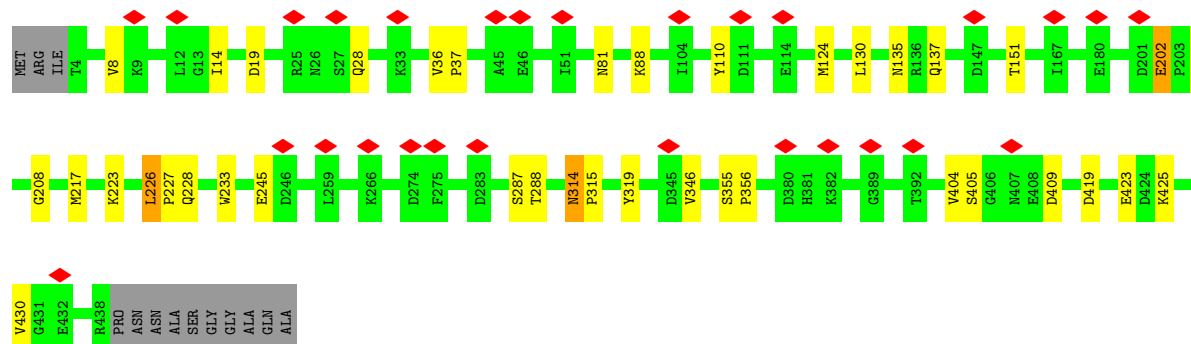
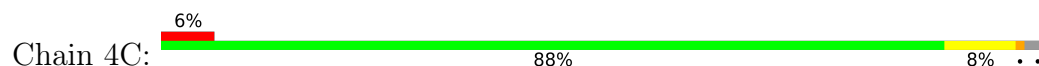
- Molecule 1: Major capsid protein

Chain 4B: 

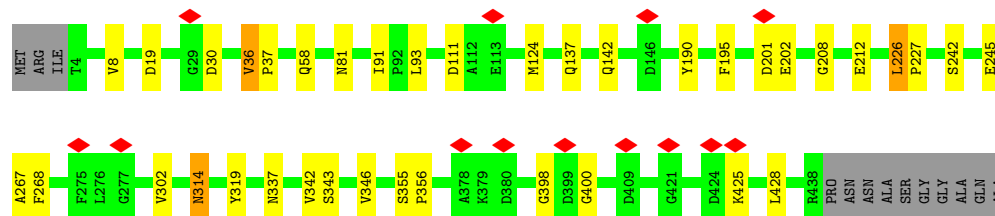




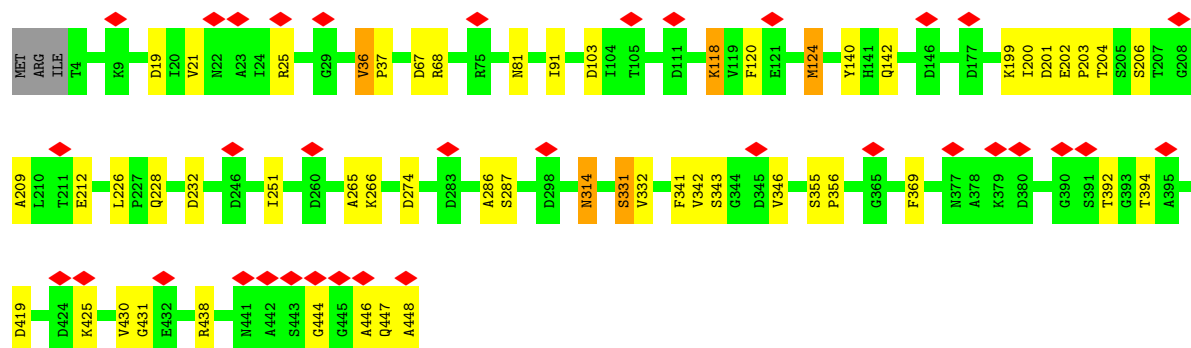
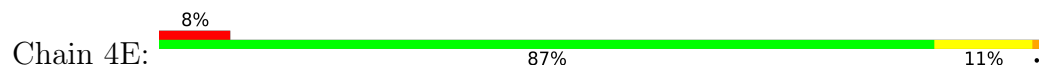
- Molecule 1: Major capsid protein



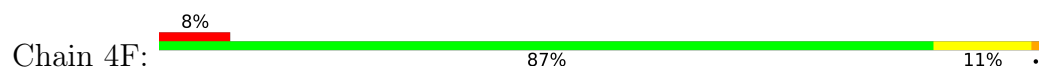
- Molecule 1: Major capsid protein

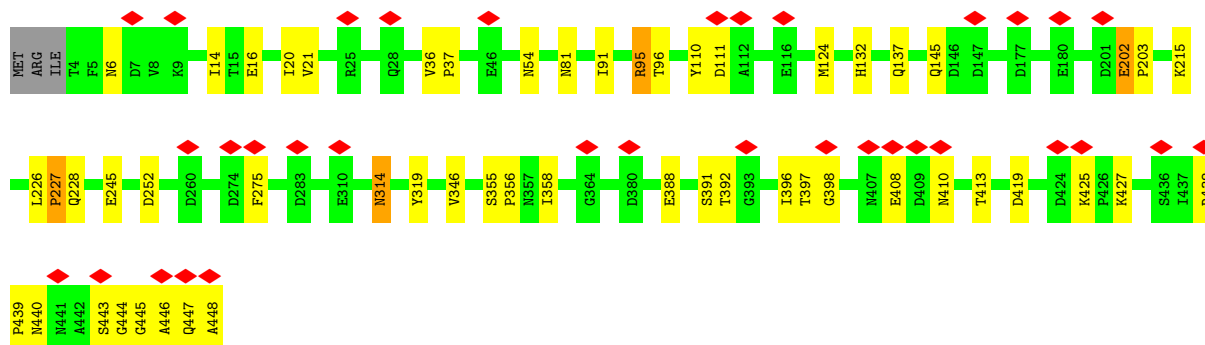


- Molecule 1: Major capsid protein

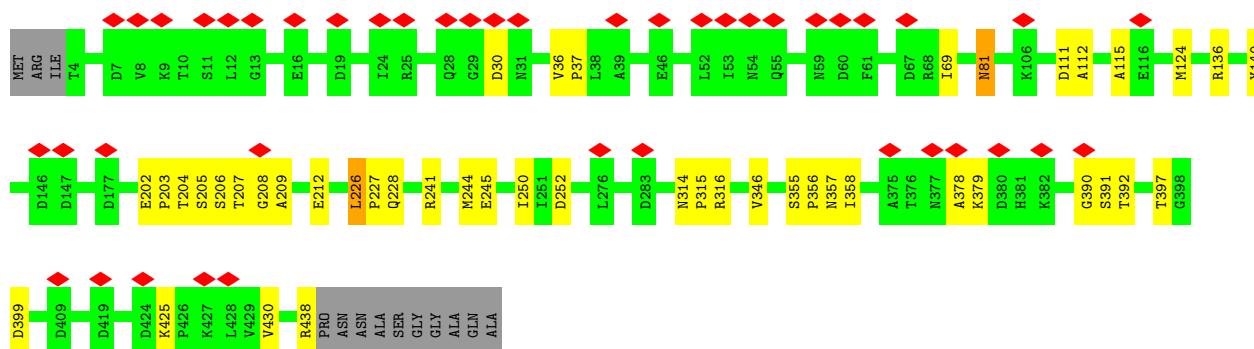
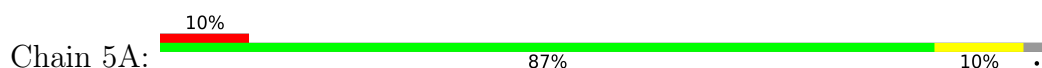


- Molecule 1: Major capsid protein

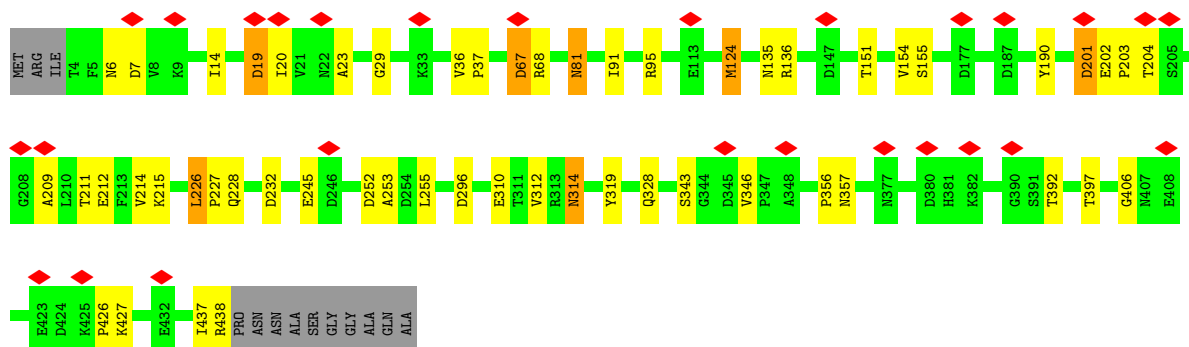
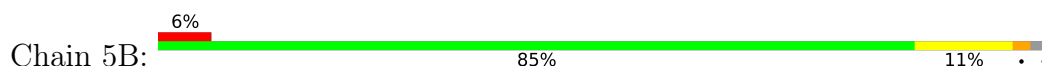




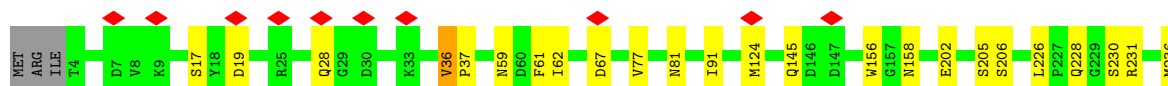
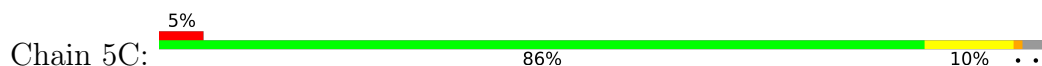
- Molecule 1: Major capsid protein

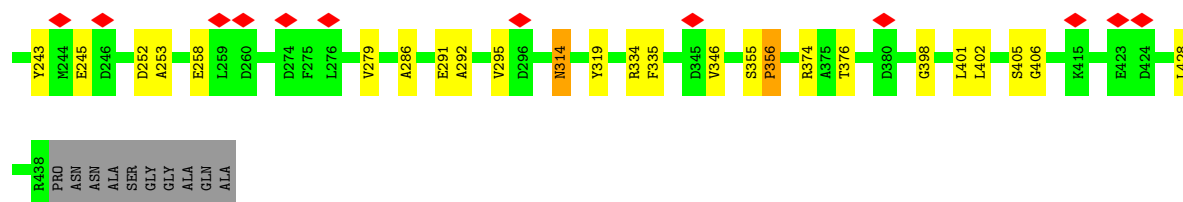


- Molecule 1: Major capsid protein



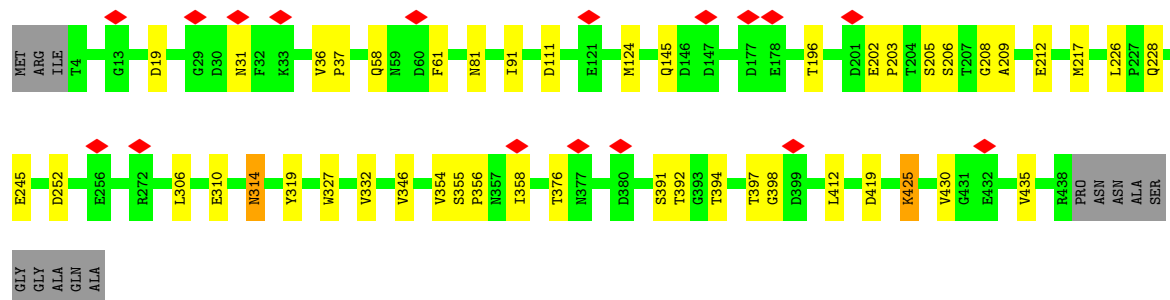
- Molecule 1: Major capsid protein





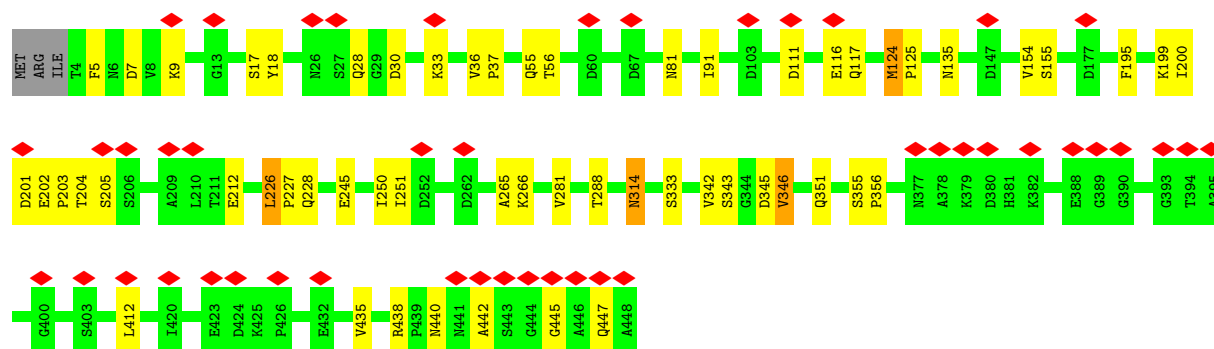
- Molecule 1: Major capsid protein

Chain 5D: 87% 10%



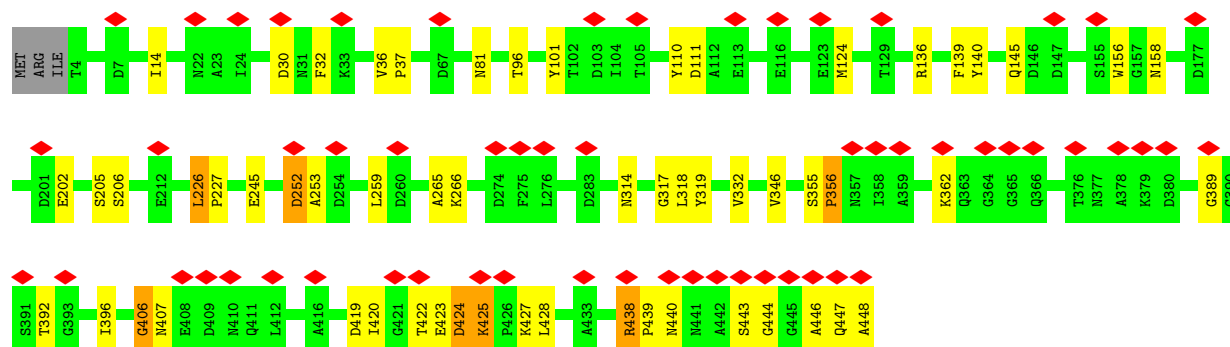
- Molecule 1: Major capsid protein

Chain 5E: 10% 87% 12%

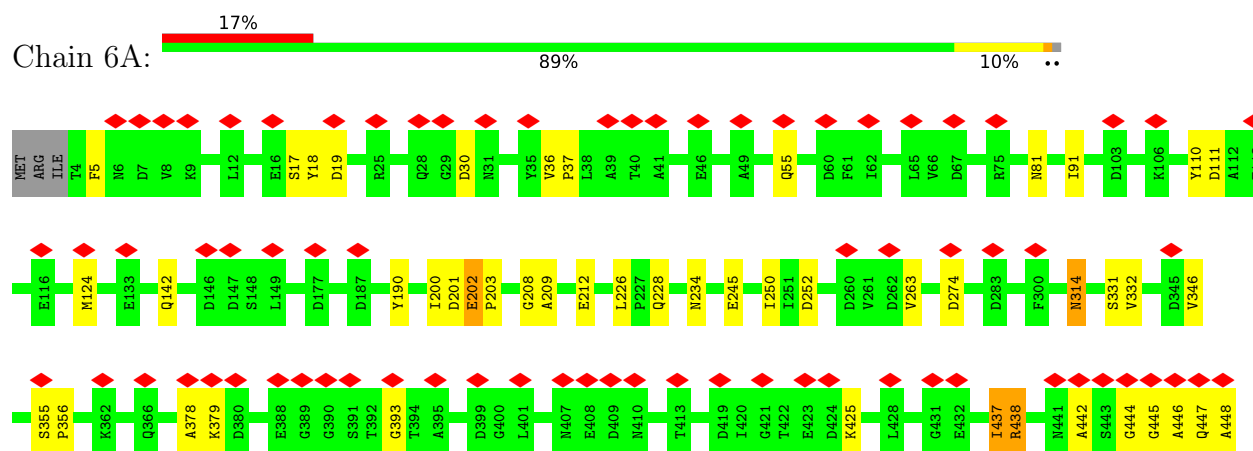


- Molecule 1: Major capsid protein

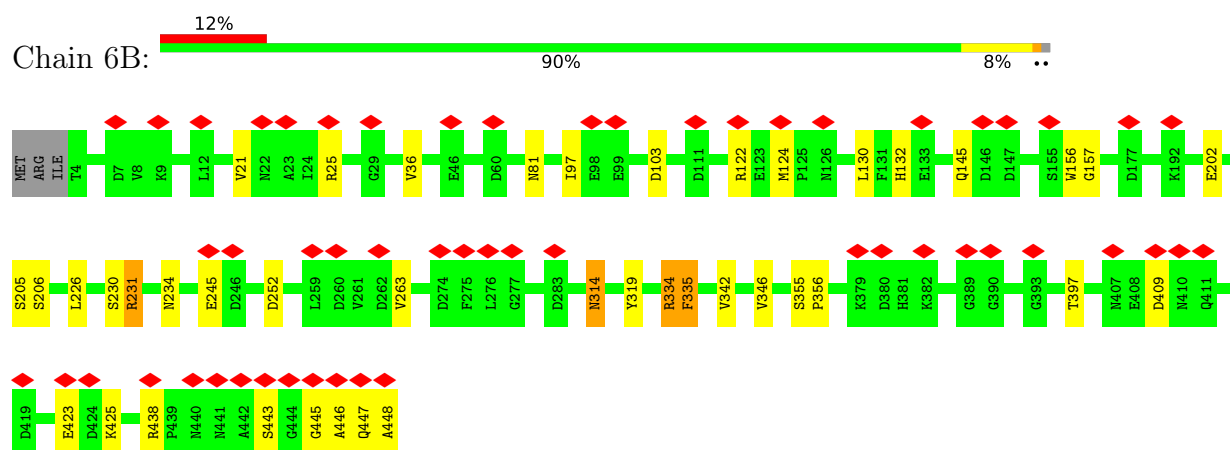
Chain 5F: 13% 86% 11%



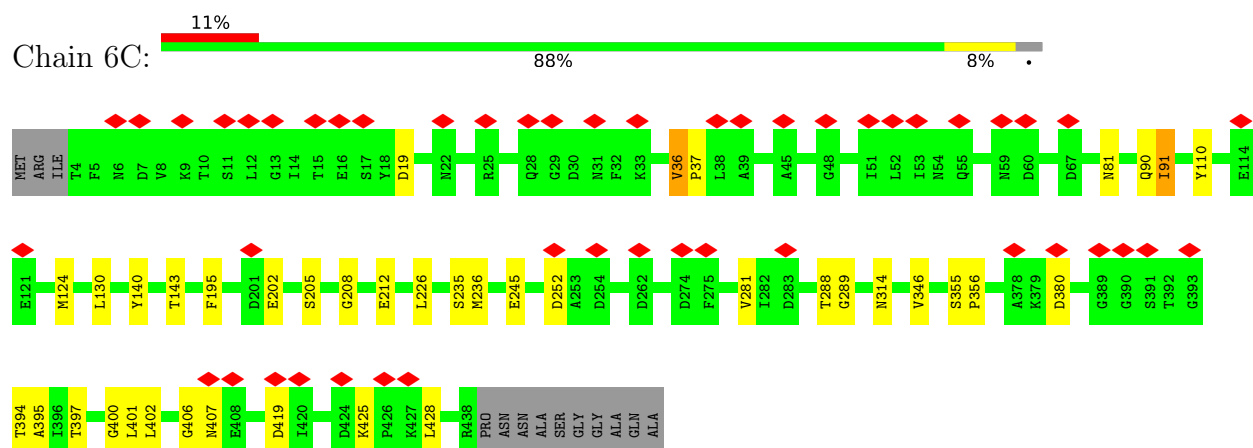
- Molecule 1: Major capsid protein



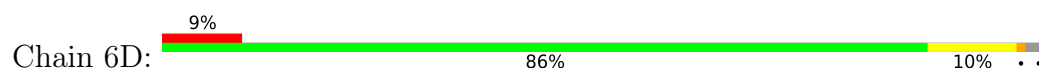
- Molecule 1: Major capsid protein

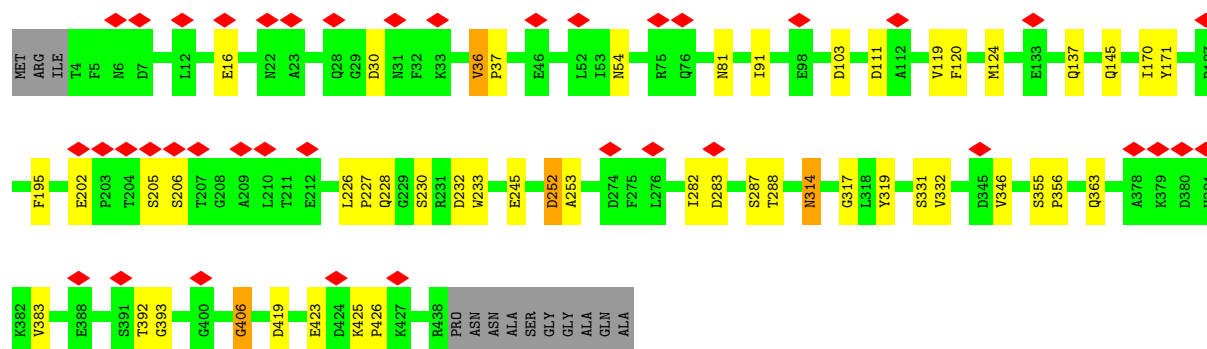


- Molecule 1: Major capsid protein

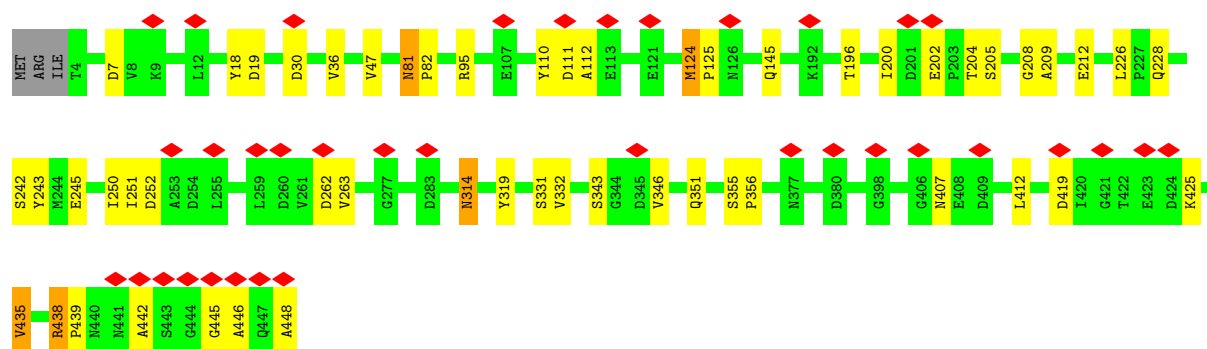


- Molecule 1: Major capsid protein

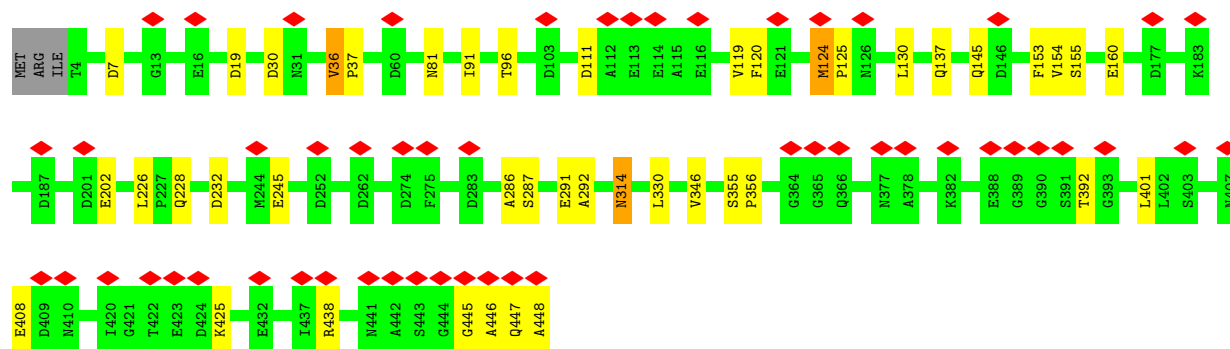
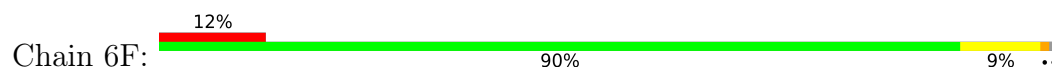




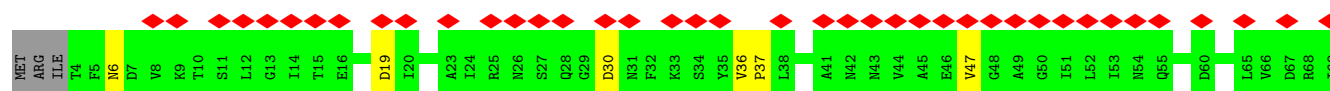
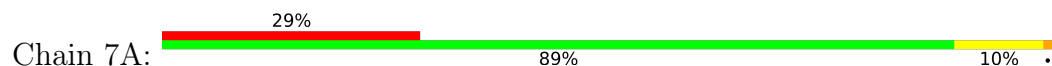
• Molecule 1: Major capsid protein

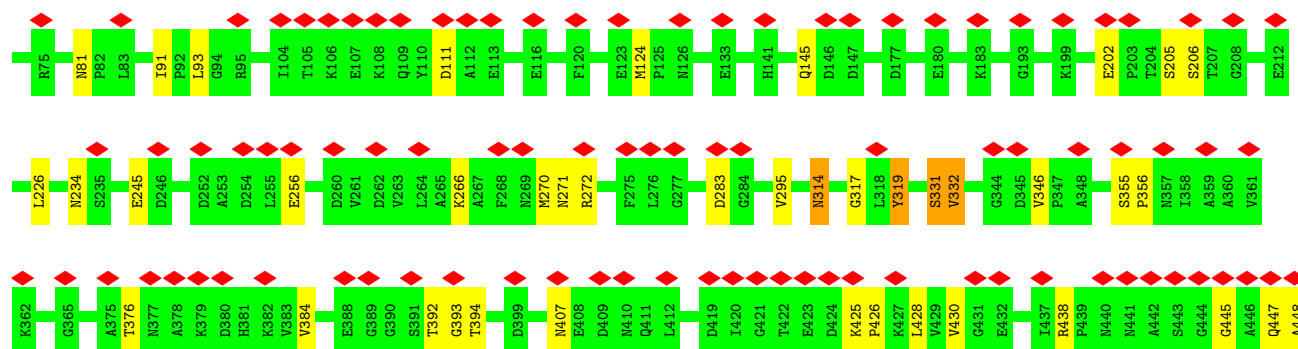


• Molecule 1: Major capsid protein



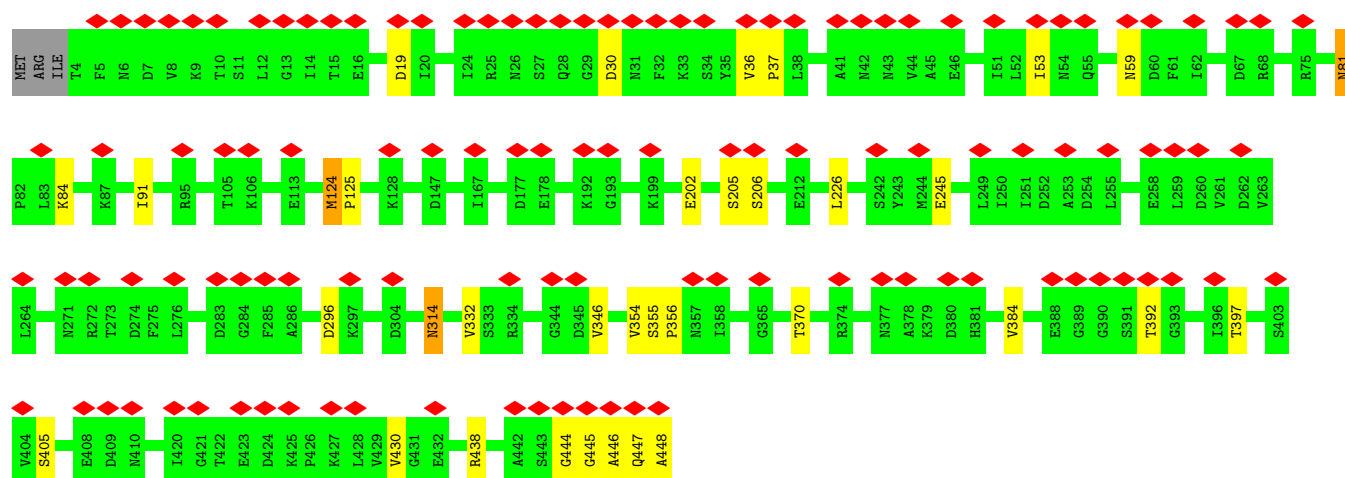
• Molecule 1: Major capsid protein





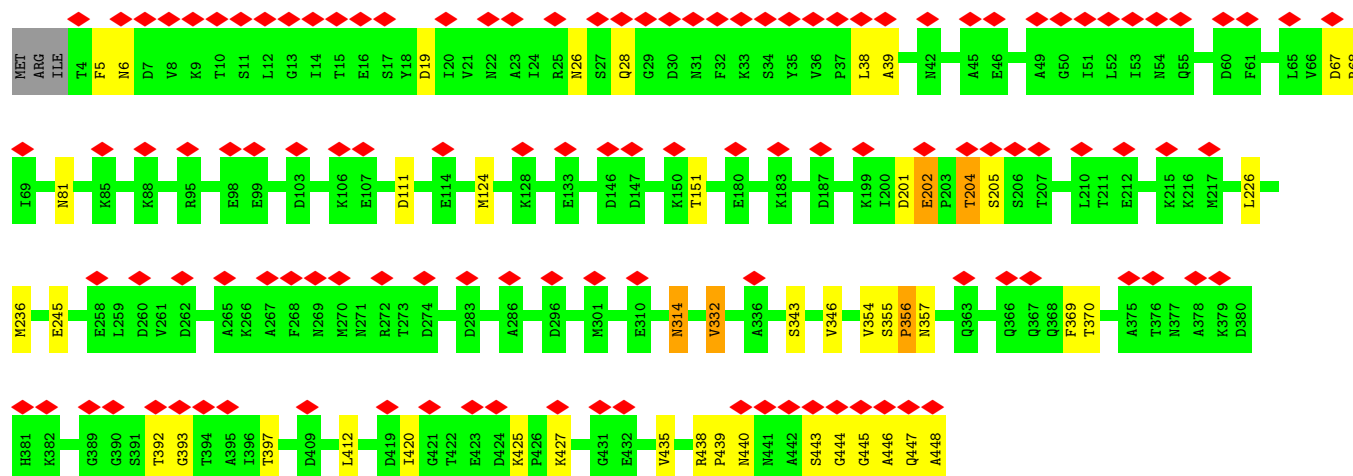
- Molecule 1: Major capsid protein

Chain 7B: 26% 92% 7% ..

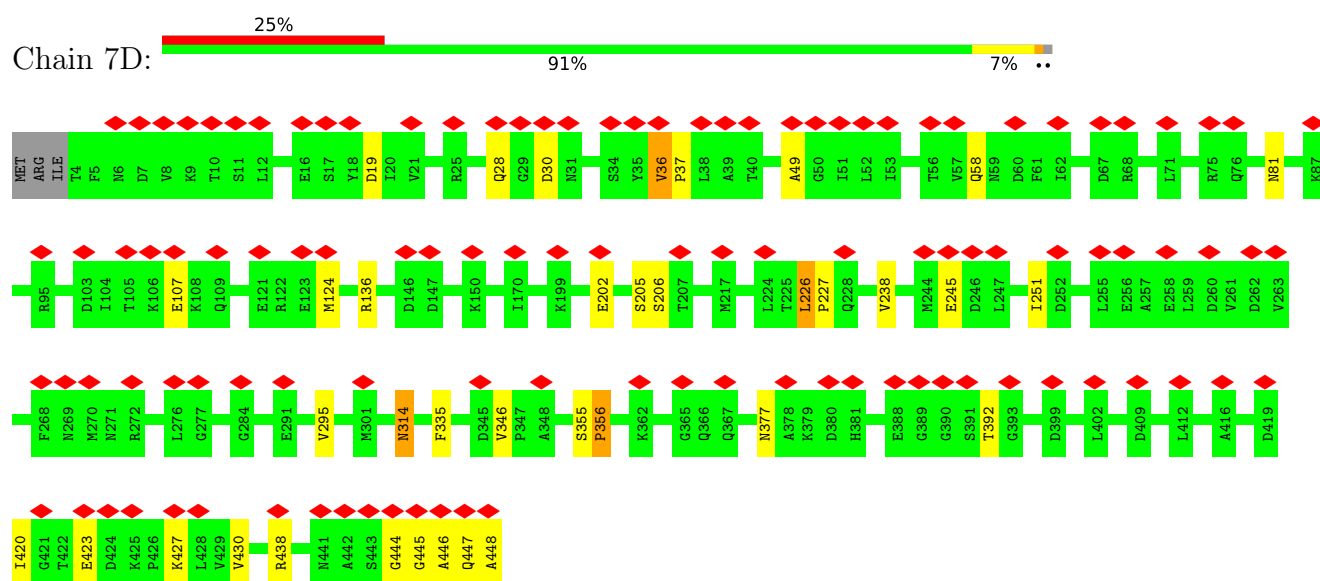


- Molecule 1: Major capsid protein

Chain 7C: 27% 89% 9% ..



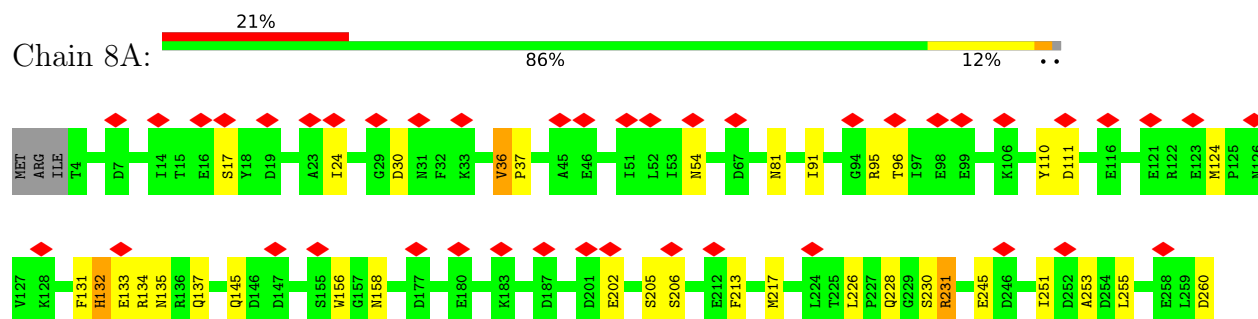
- Molecule 1: Major capsid protein

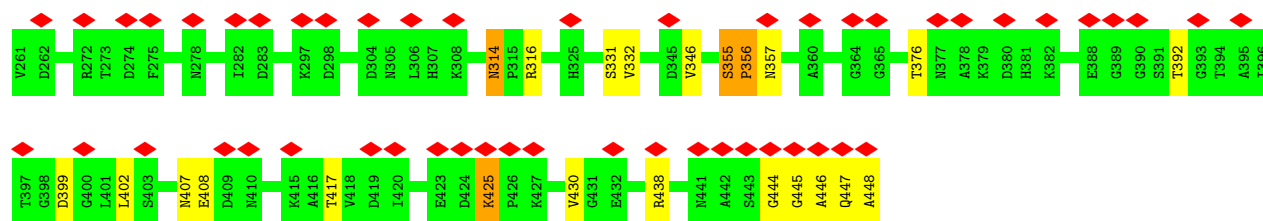


• Molecule 1: Major capsid protein

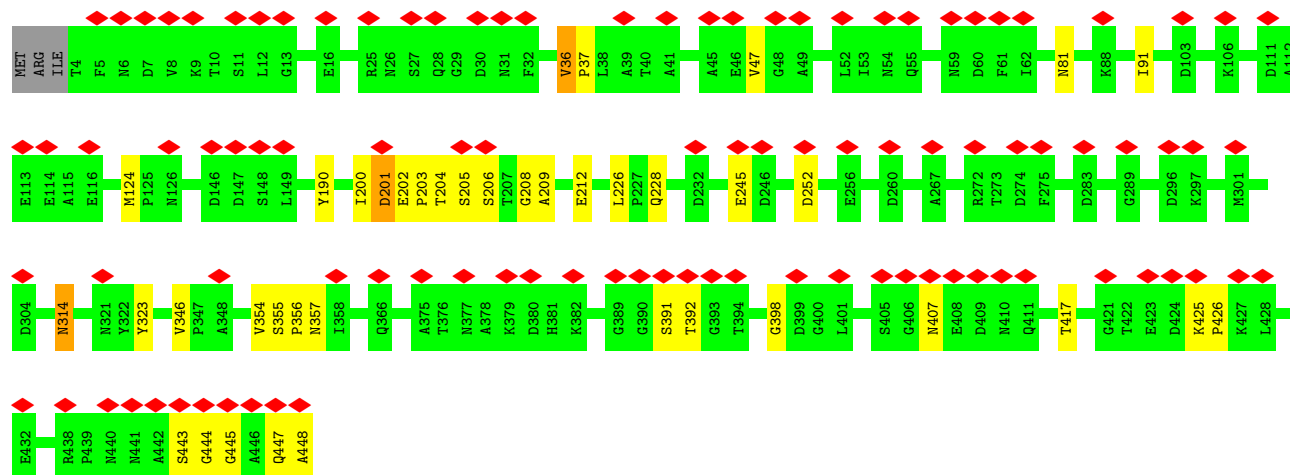
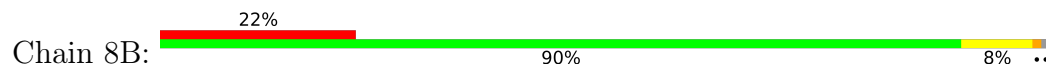


• Molecule 1: Major capsid protein

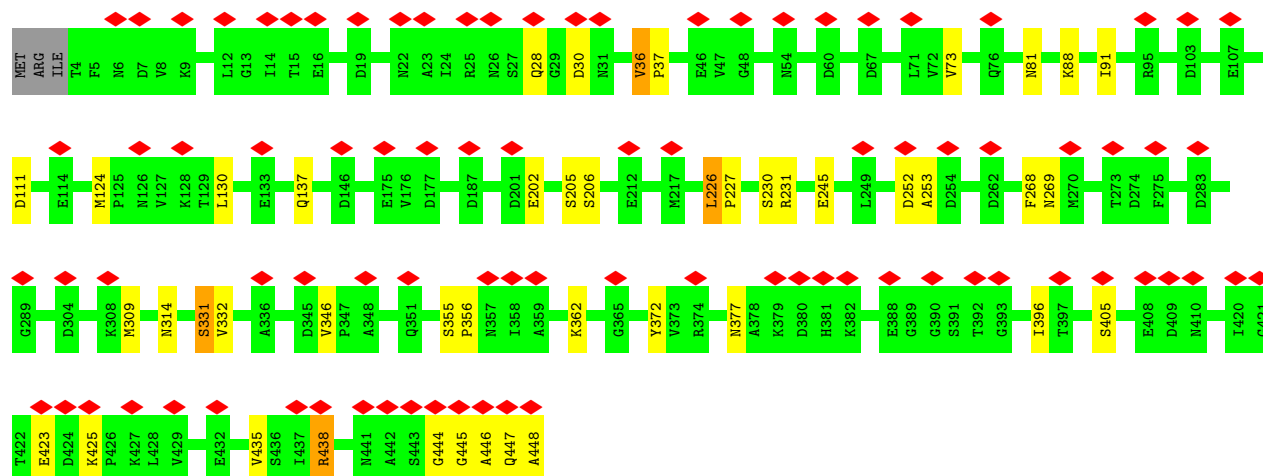




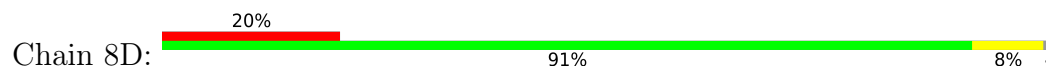
• Molecule 1: Major capsid protein

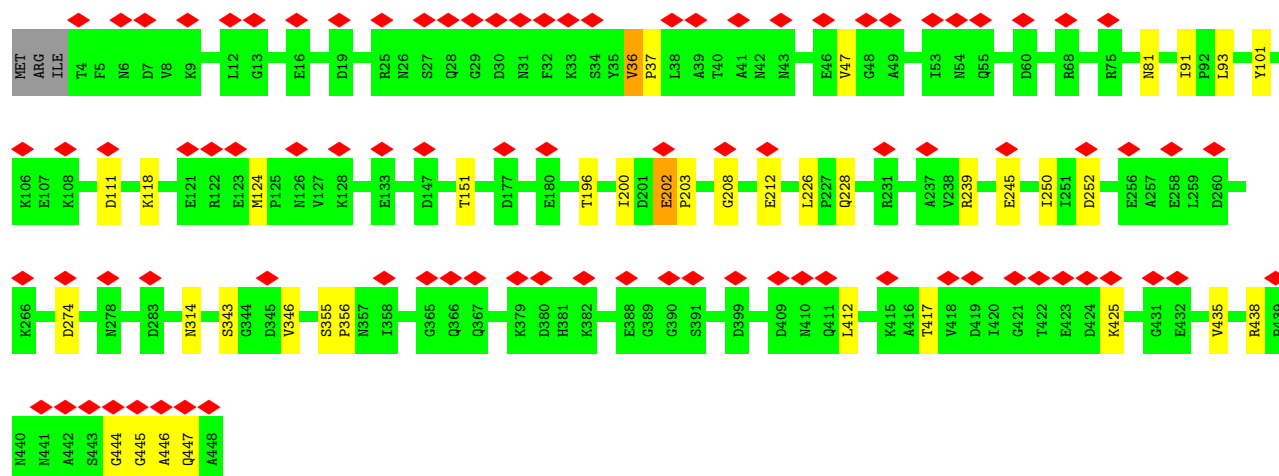


• Molecule 1: Major capsid protein



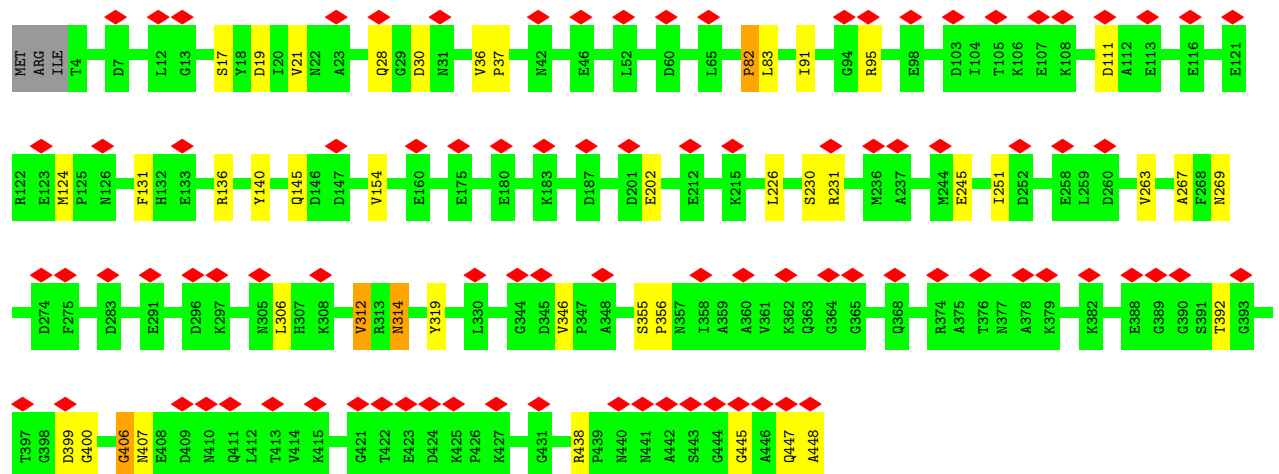
• Molecule 1: Major capsid protein





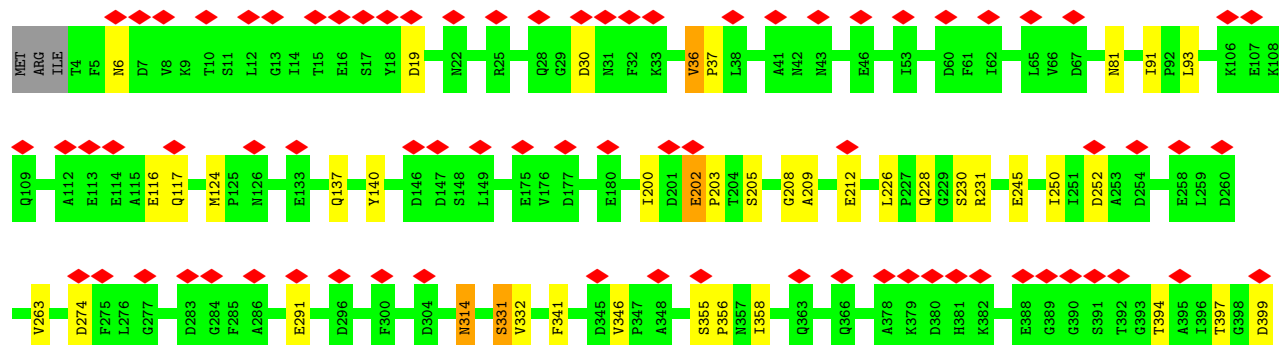
- Molecule 1: Major capsid protein

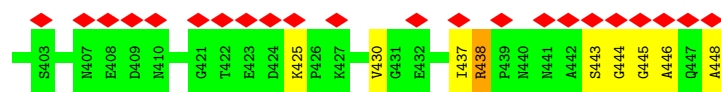
Chain 8E: 20% 90% 9% ..



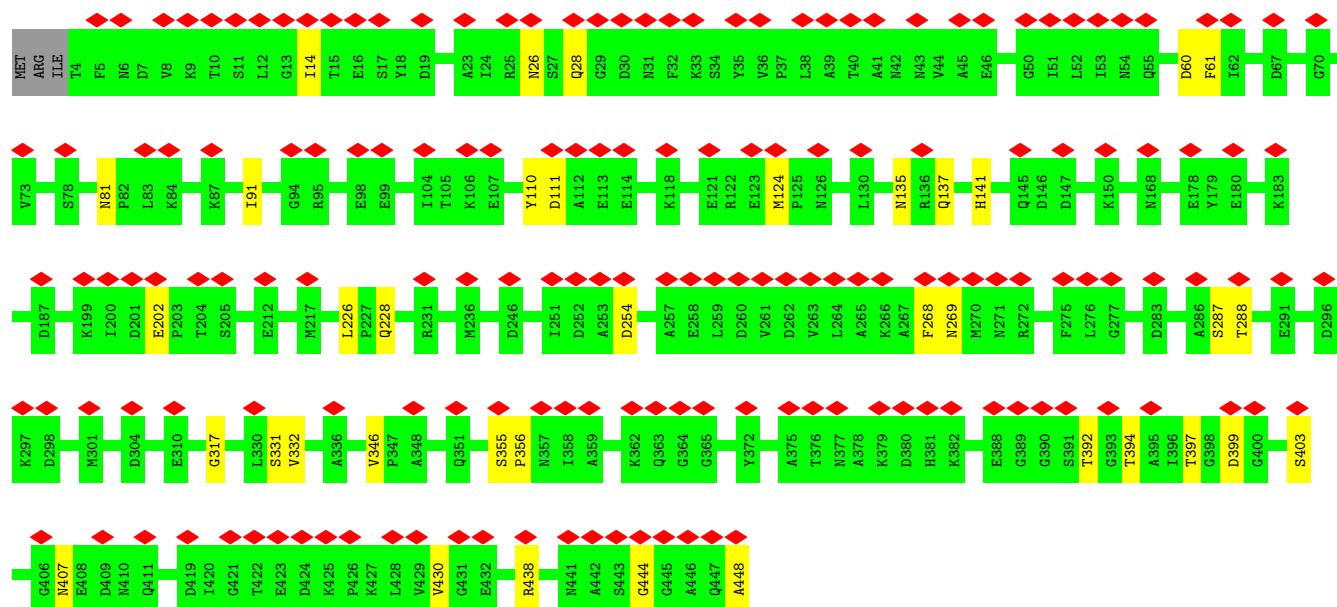
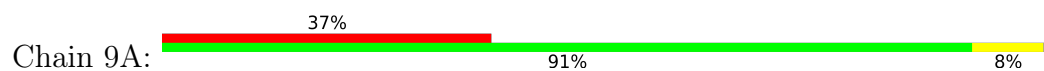
- Molecule 1: Major capsid protein

Chain 8F: 22% 88% 10% ..

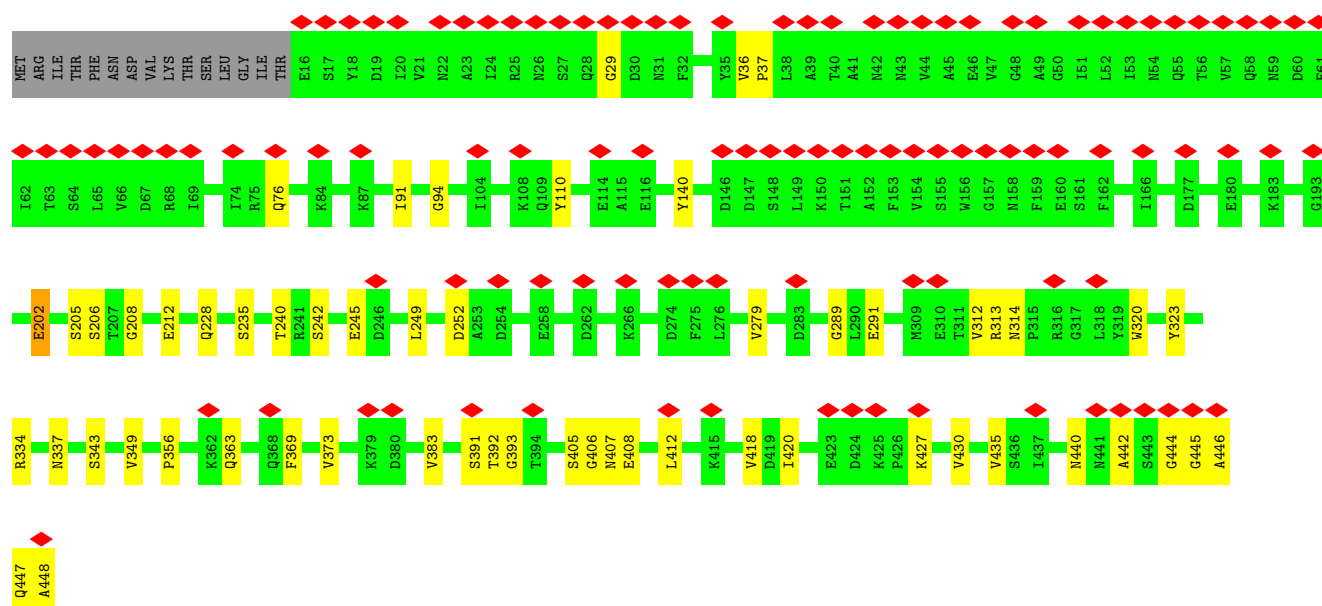
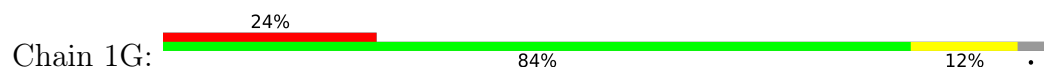




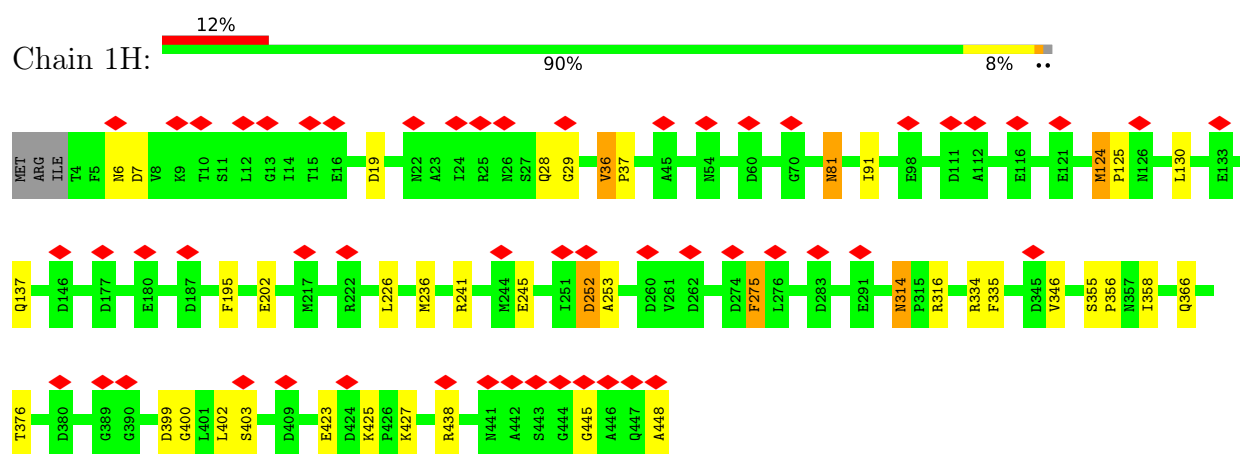
- Molecule 1: Major capsid protein



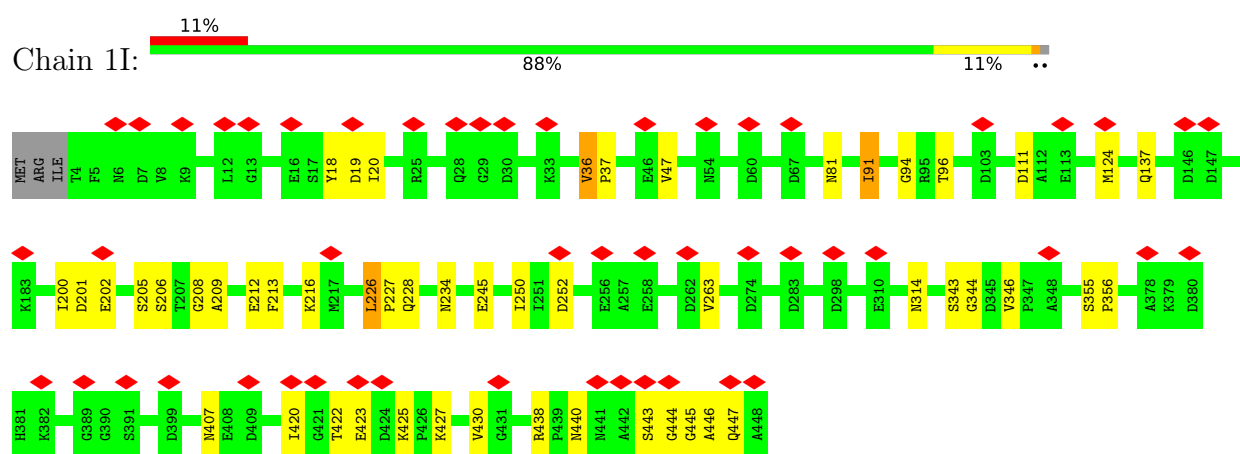
- Molecule 1: Major capsid protein



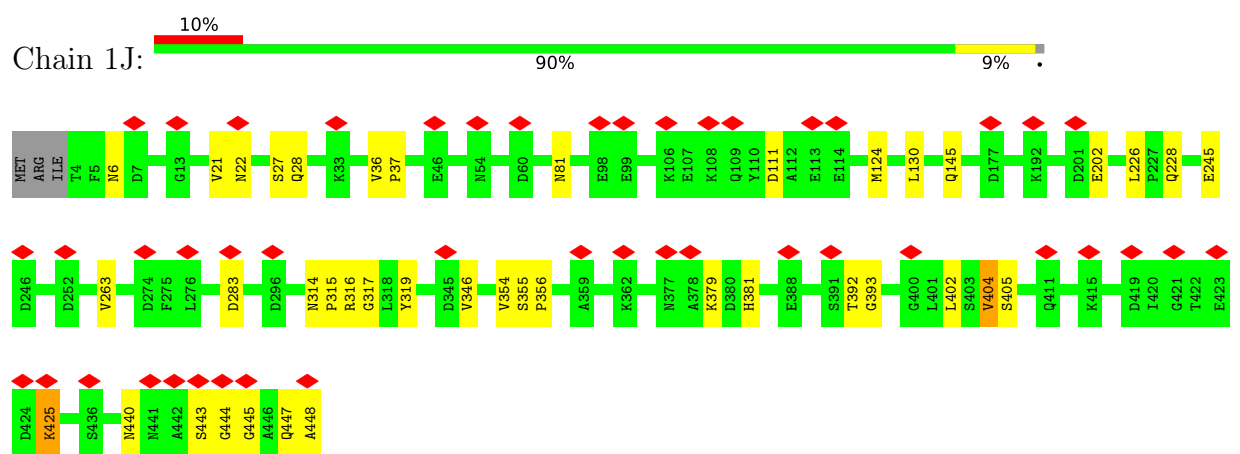
- Molecule 1: Major capsid protein



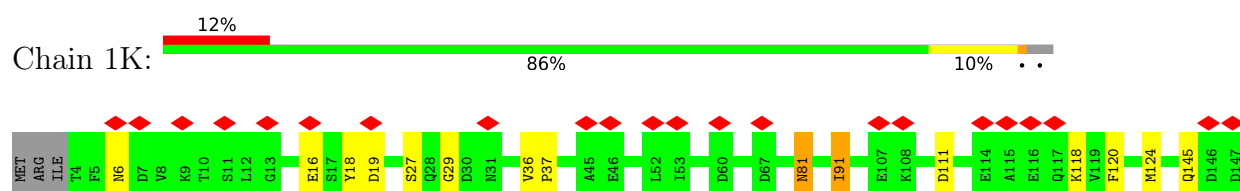
• Molecule 1: Major capsid protein

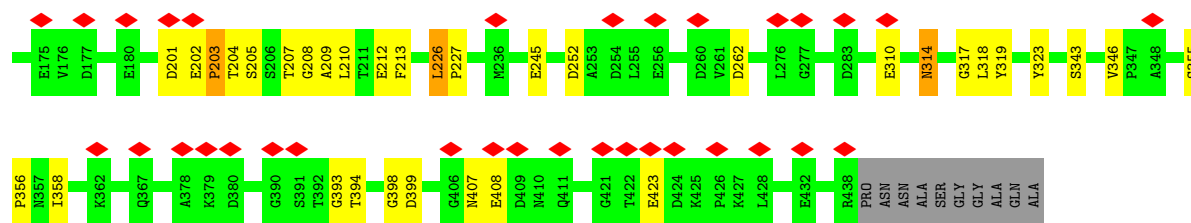


• Molecule 1: Major capsid protein

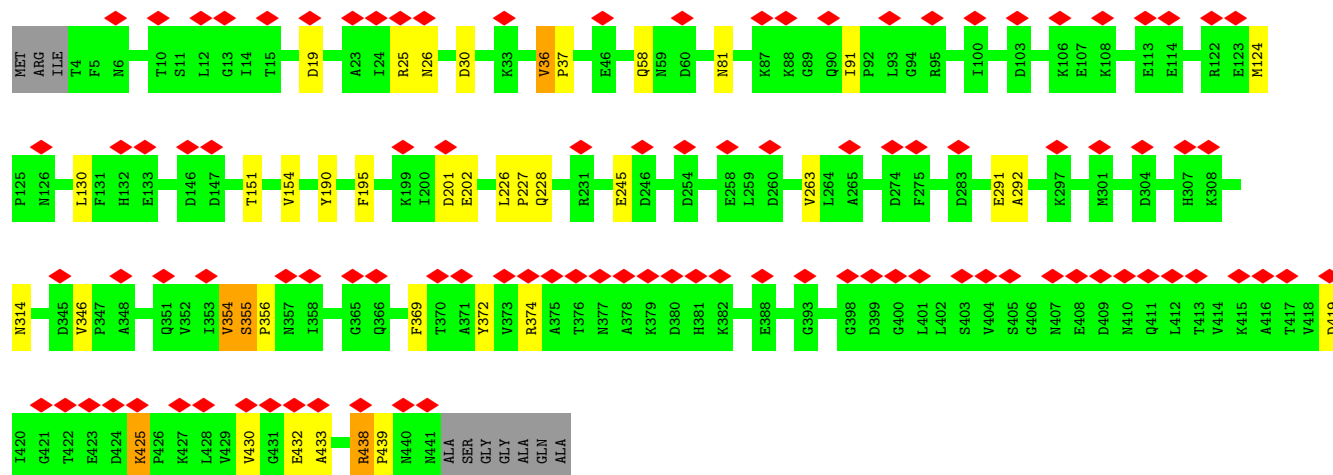
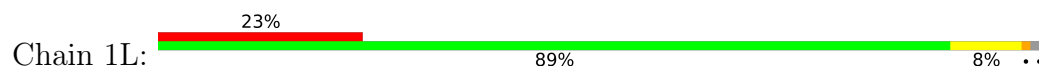


• Molecule 1: Major capsid protein

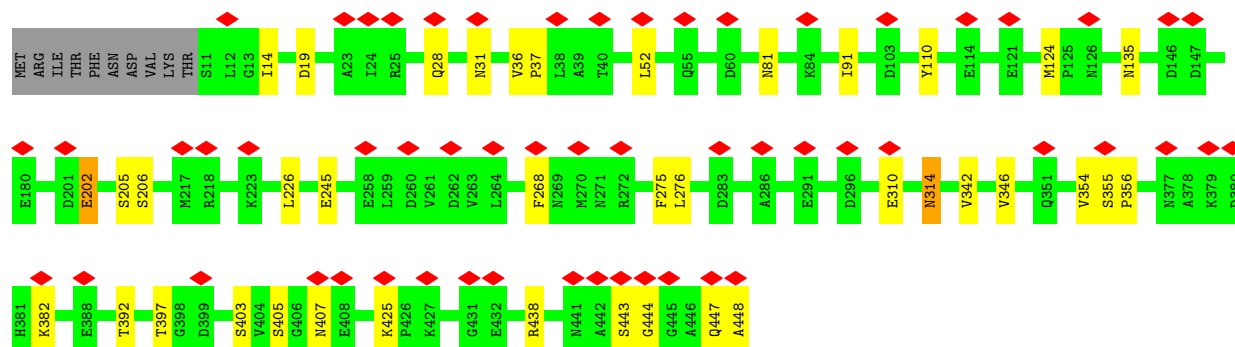




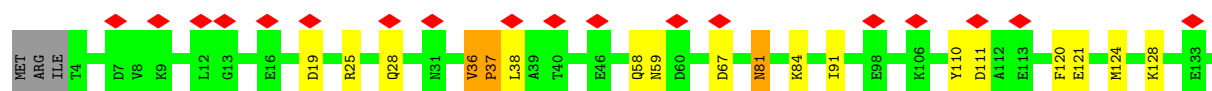
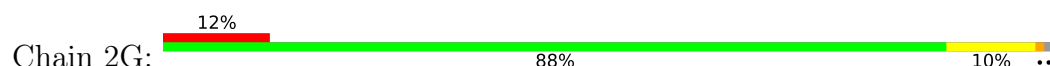
• Molecule 1: Major capsid protein

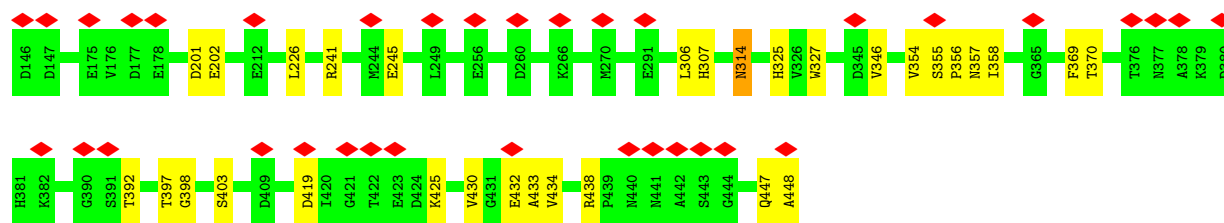


• Molecule 1: Major capsid protein

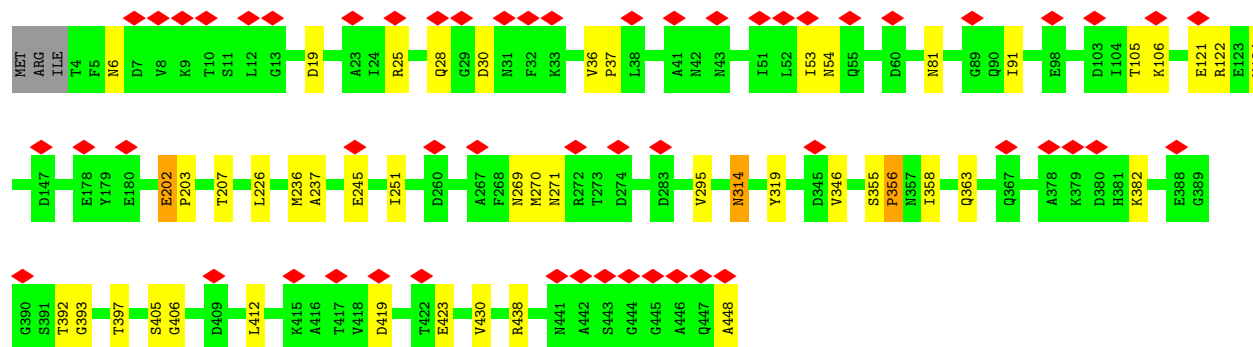
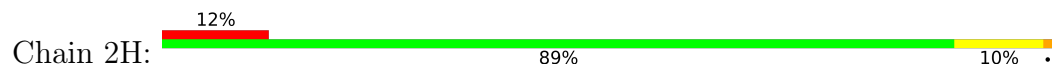


• Molecule 1: Major capsid protein

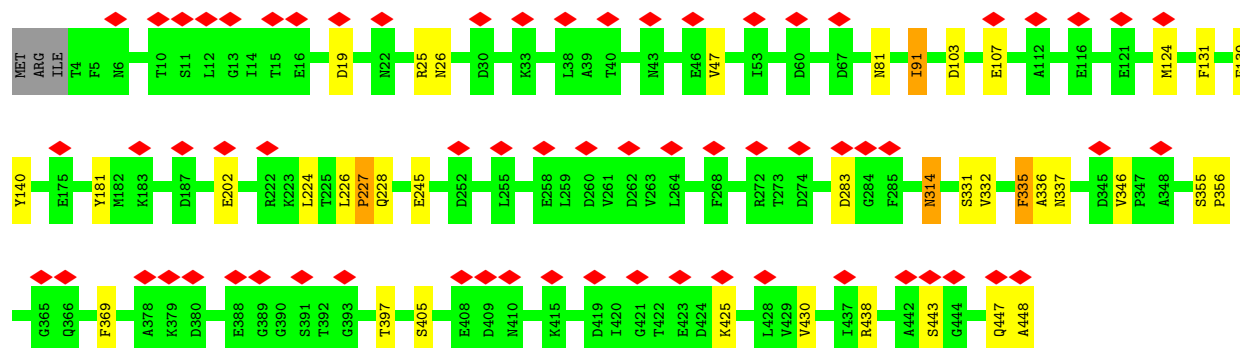
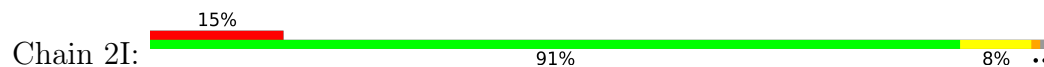




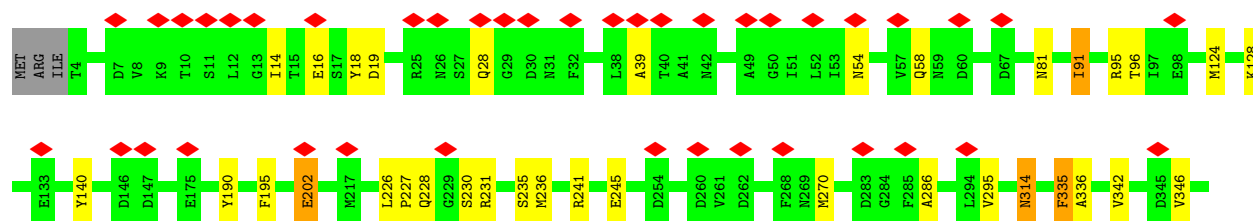
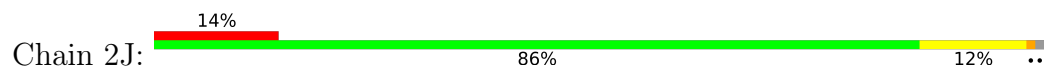
• Molecule 1: Major capsid protein

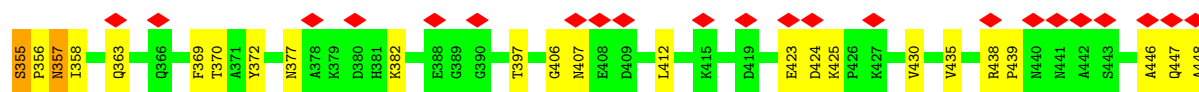


• Molecule 1: Major capsid protein



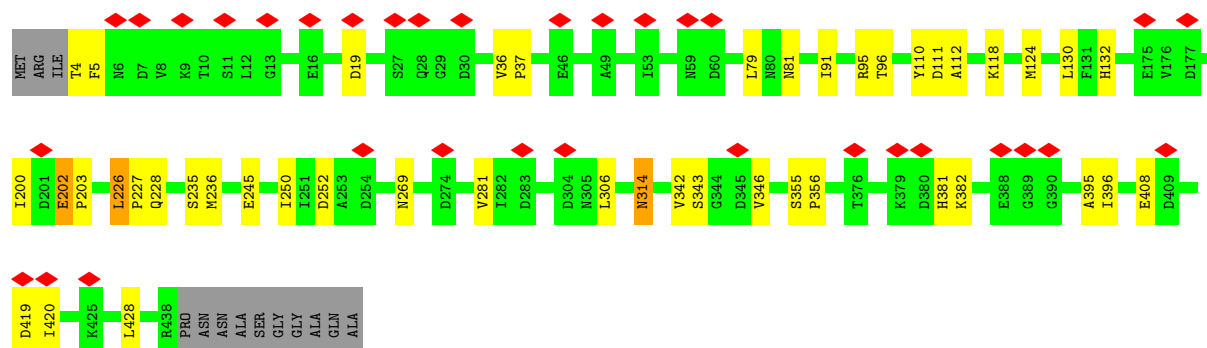
• Molecule 1: Major capsid protein





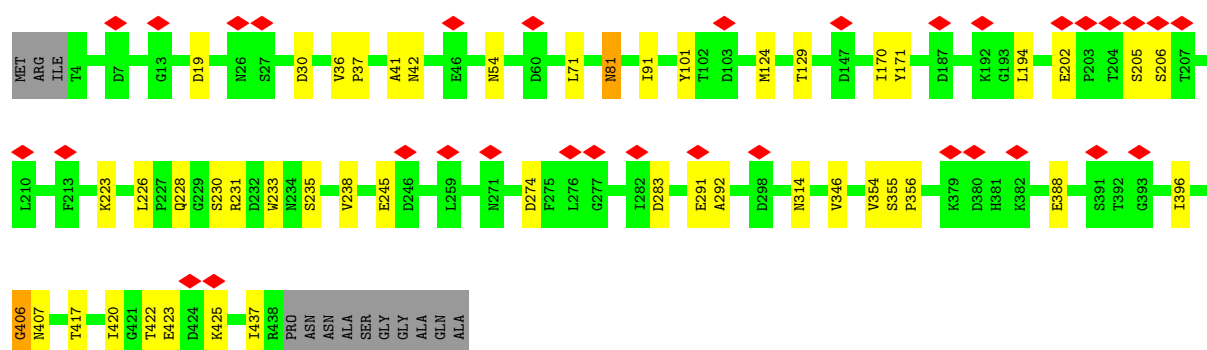
- Molecule 1: Major capsid protein

Chain 3G: 7% 87% 9% ..



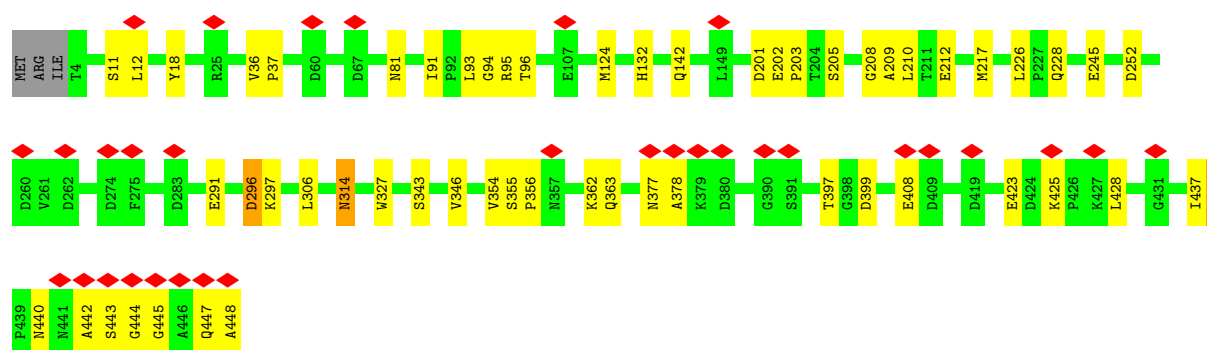
- Molecule 1: Major capsid protein

Chain 3H: 7% 87% 10% .

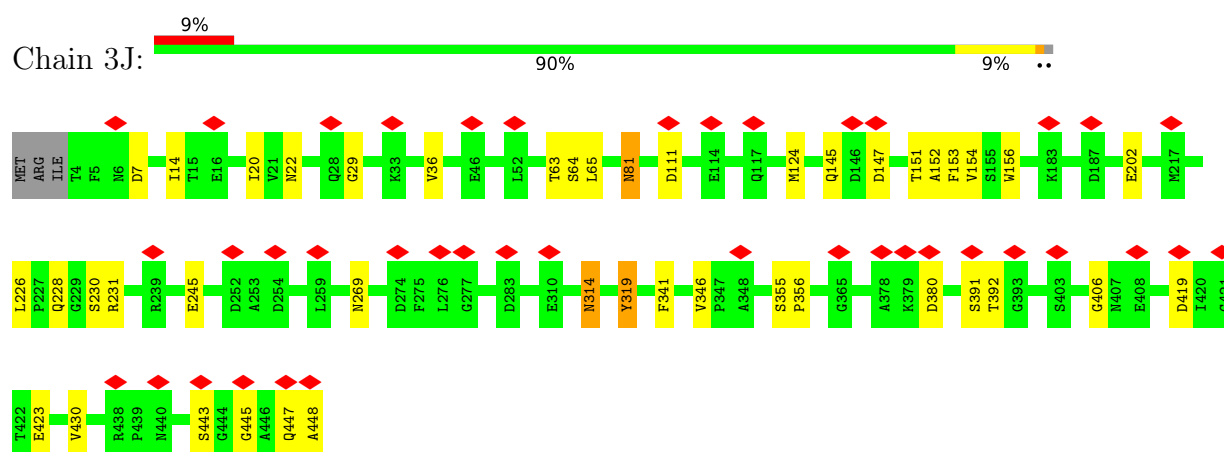


- Molecule 1: Major capsid protein

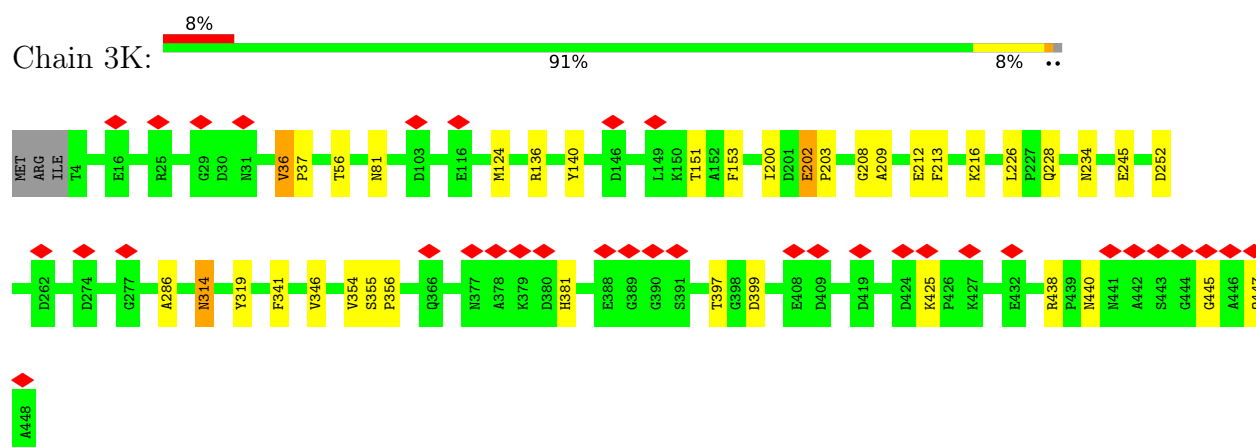
Chain 3I: 7% 87% 12% ..



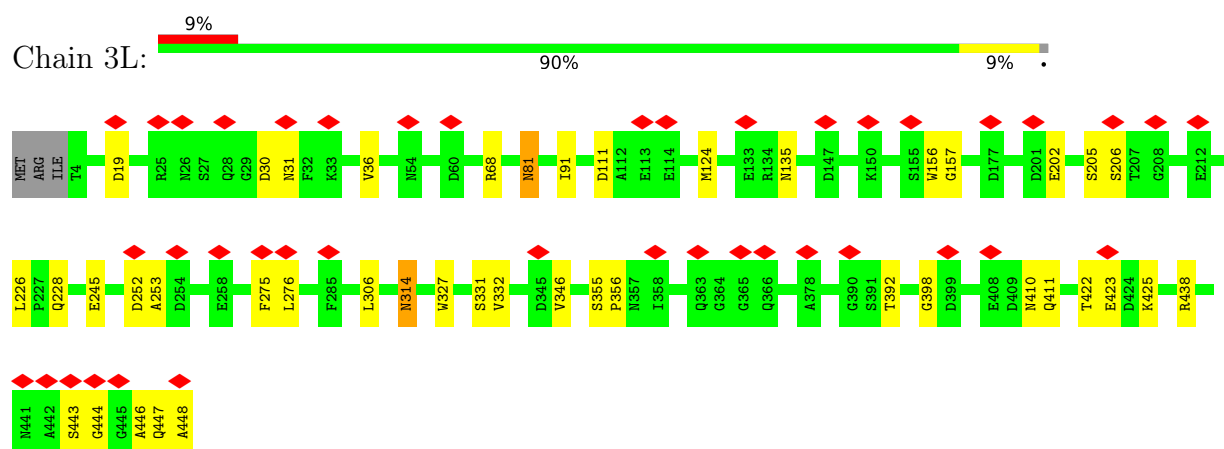
- Molecule 1: Major capsid protein



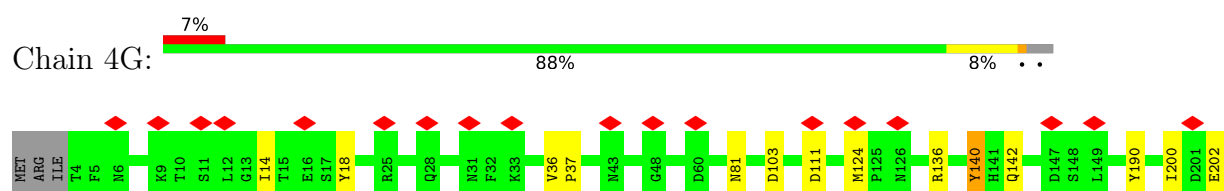
- Molecule 1: Major capsid protein

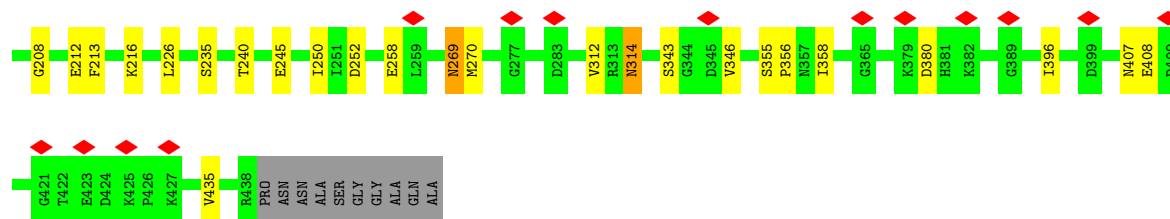


- Molecule 1: Major capsid protein

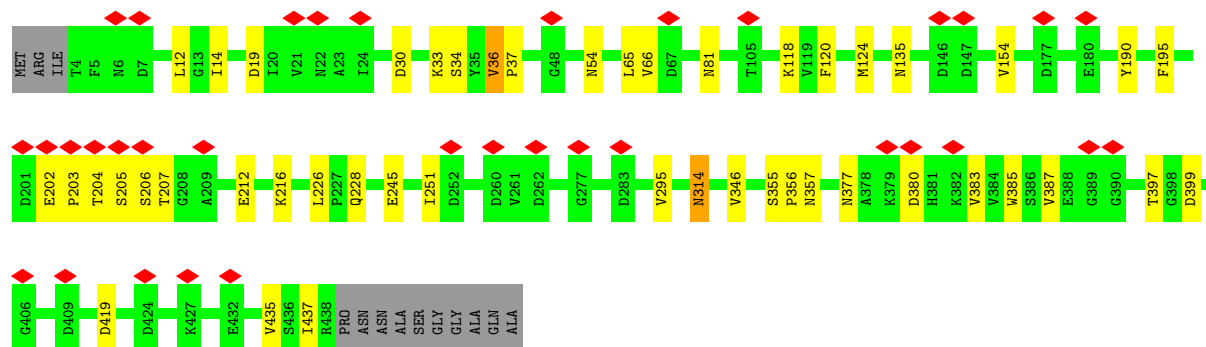
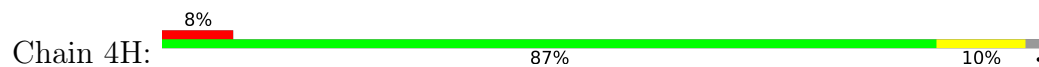


- Molecule 1: Major capsid protein

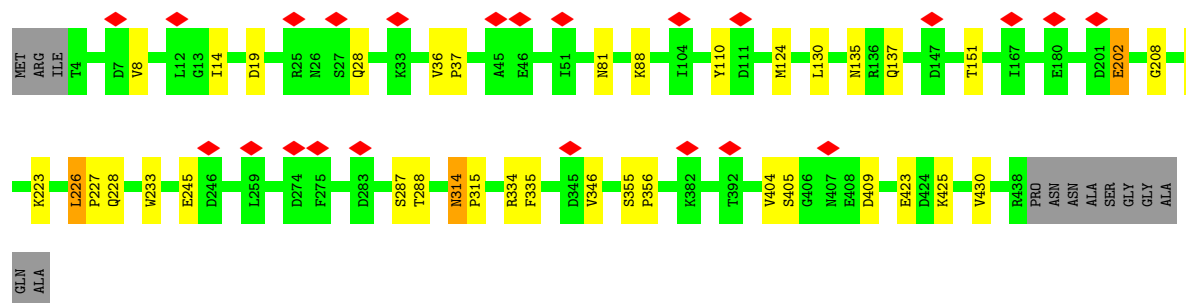
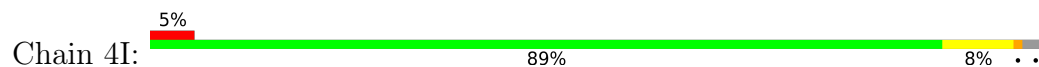




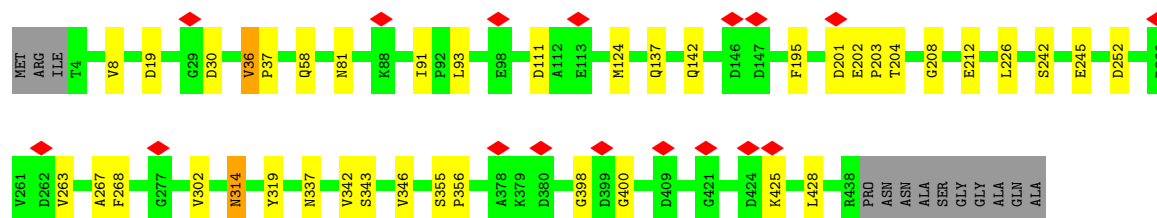
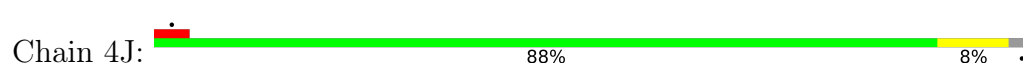
• Molecule 1: Major capsid protein



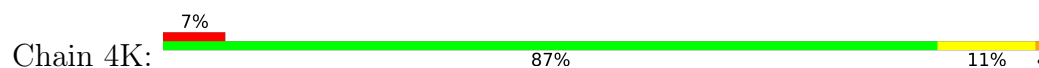
• Molecule 1: Major capsid protein

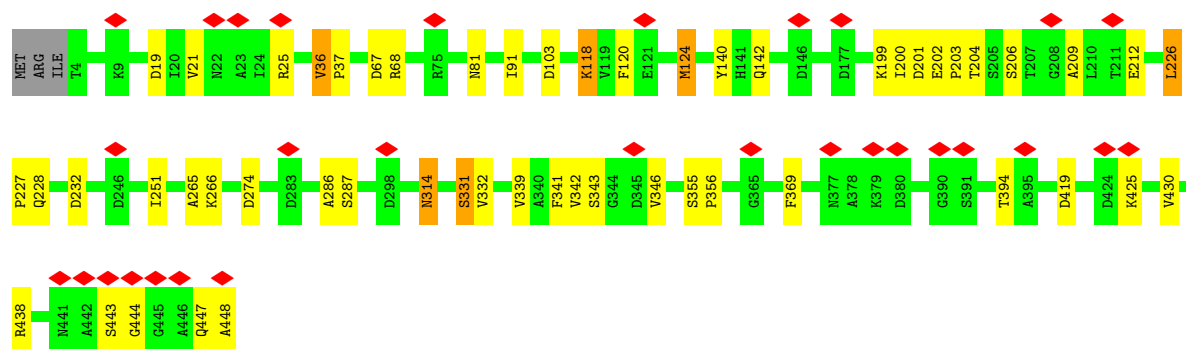


• Molecule 1: Major capsid protein

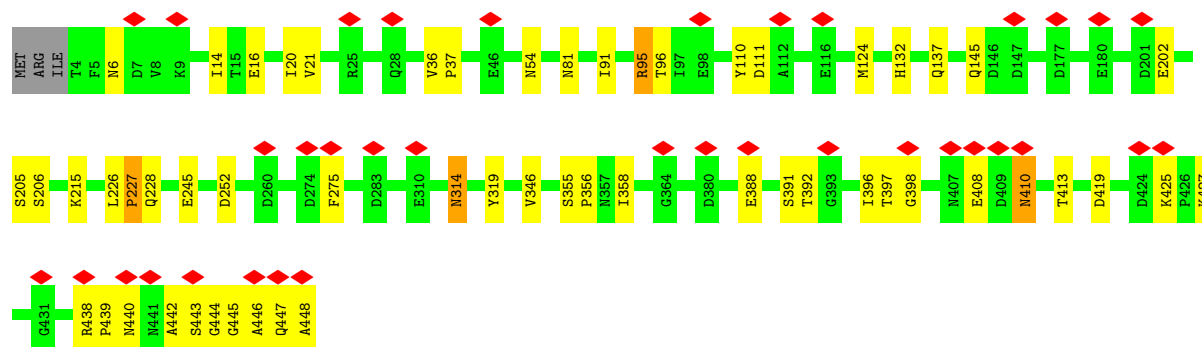
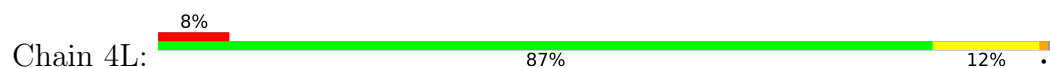


• Molecule 1: Major capsid protein

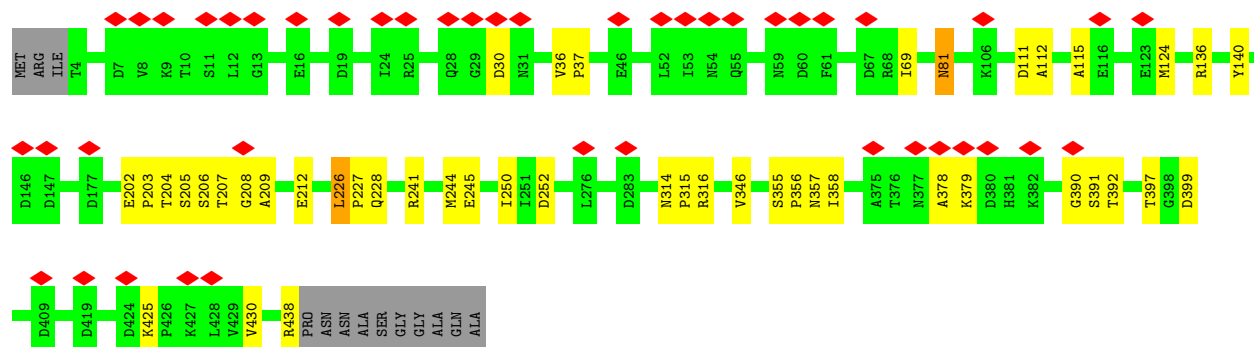
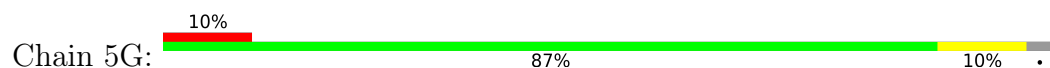




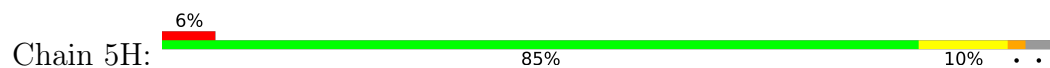
- Molecule 1: Major capsid protein

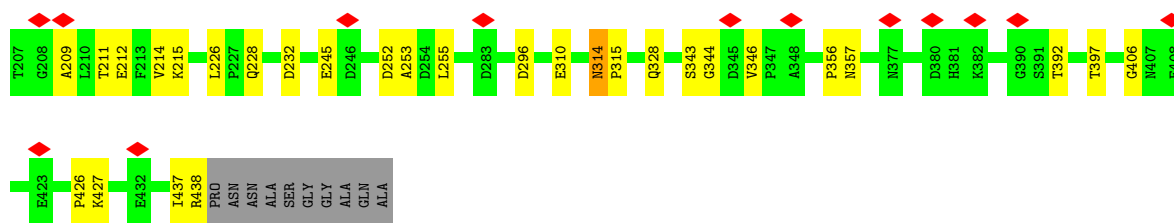


- Molecule 1: Major capsid protein

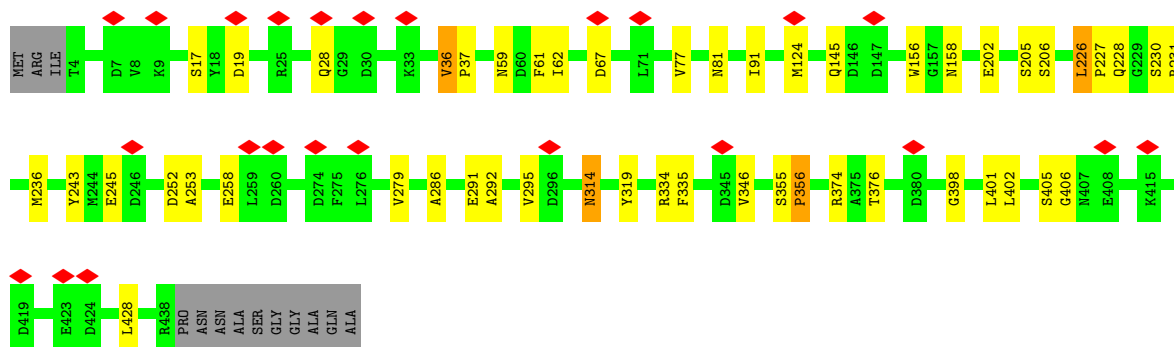
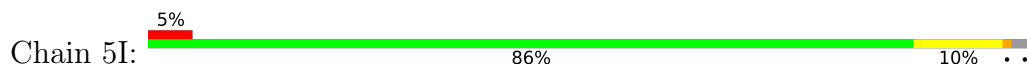


- Molecule 1: Major capsid protein

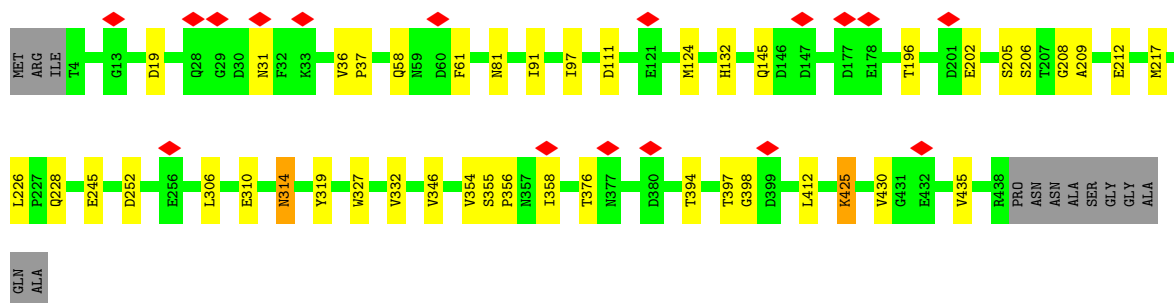
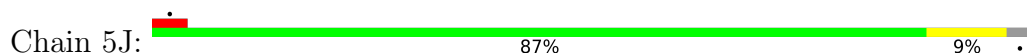




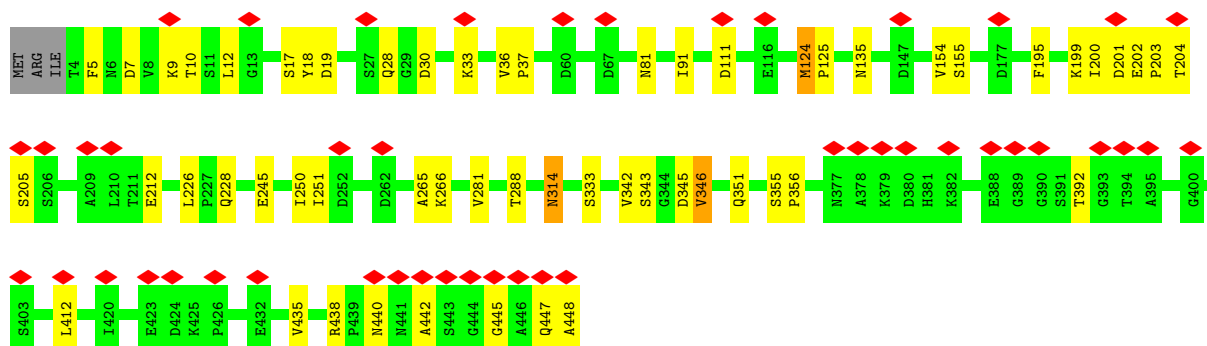
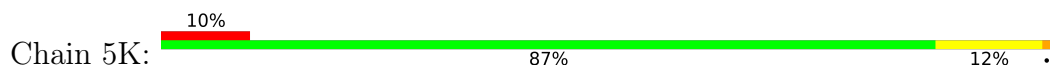
- Molecule 1: Major capsid protein



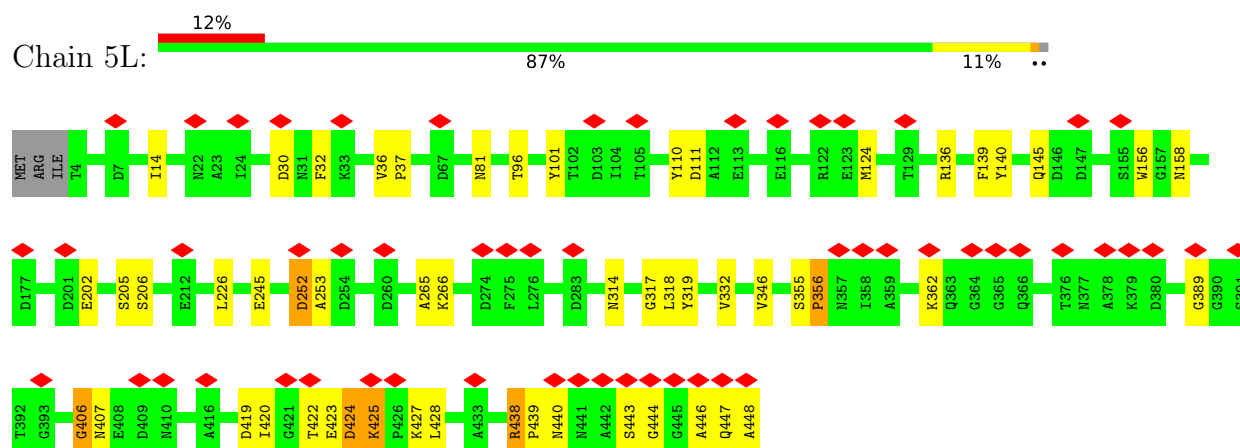
- Molecule 1: Major capsid protein



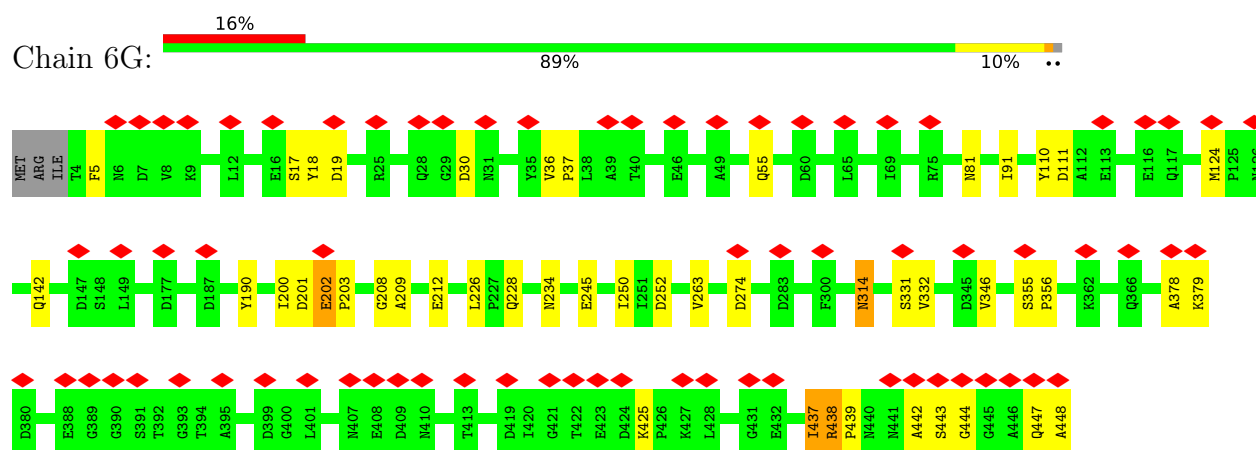
- Molecule 1: Major capsid protein



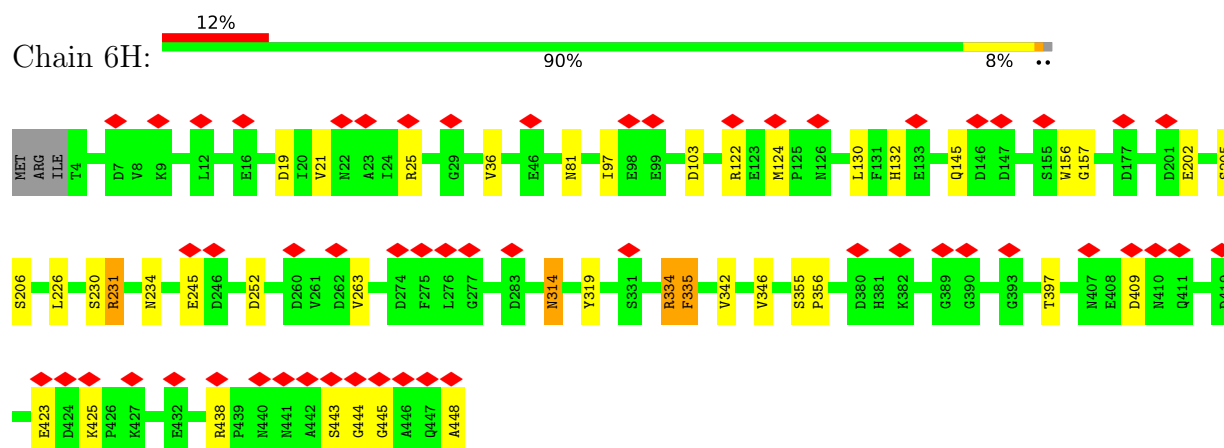
• Molecule 1: Major capsid protein



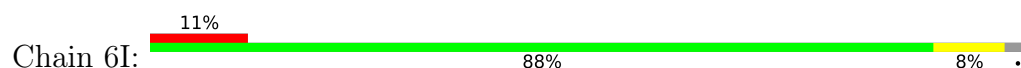
• Molecule 1: Major capsid protein

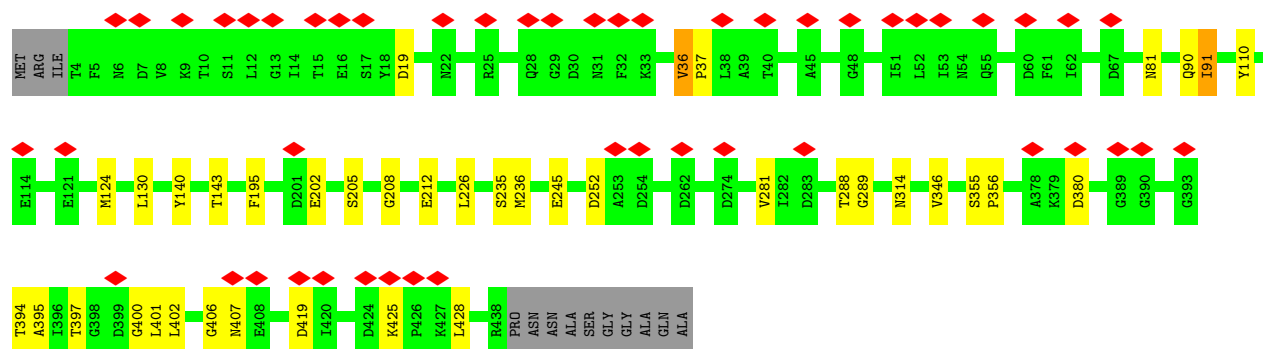


• Molecule 1: Major capsid protein

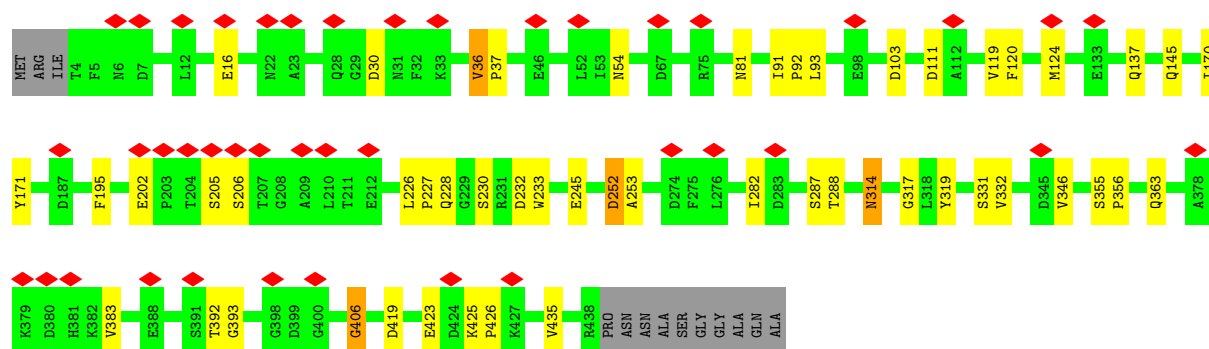
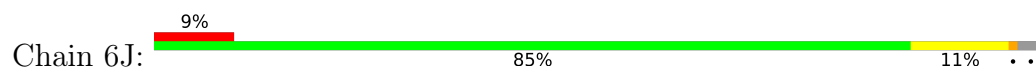


• Molecule 1: Major capsid protein

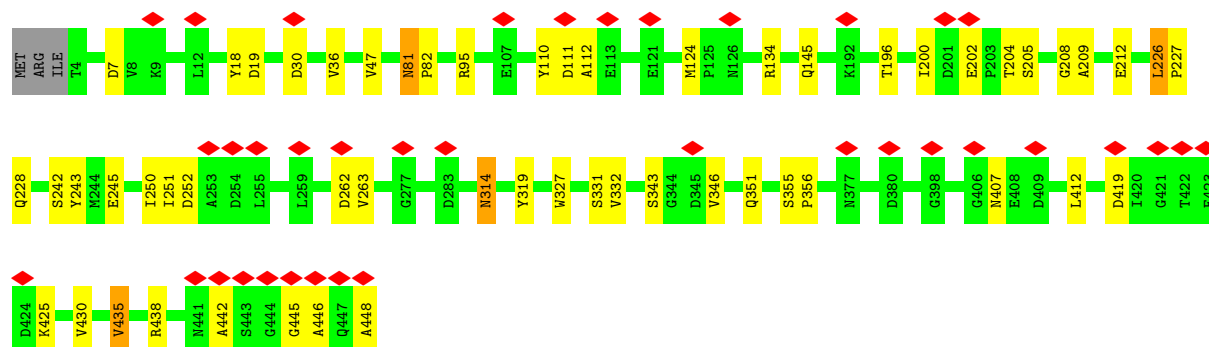
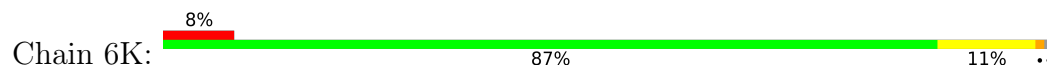




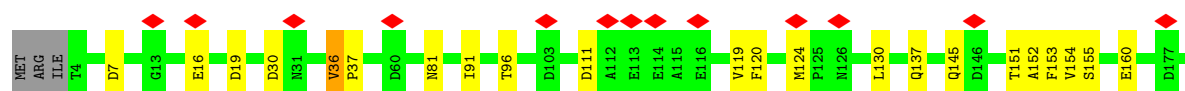
• Molecule 1: Major capsid protein

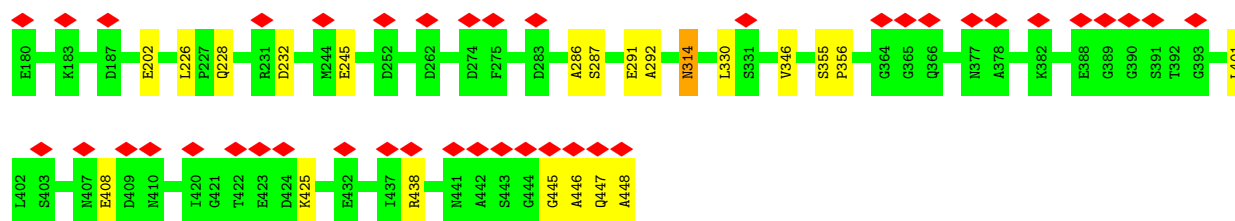


• Molecule 1: Major capsid protein

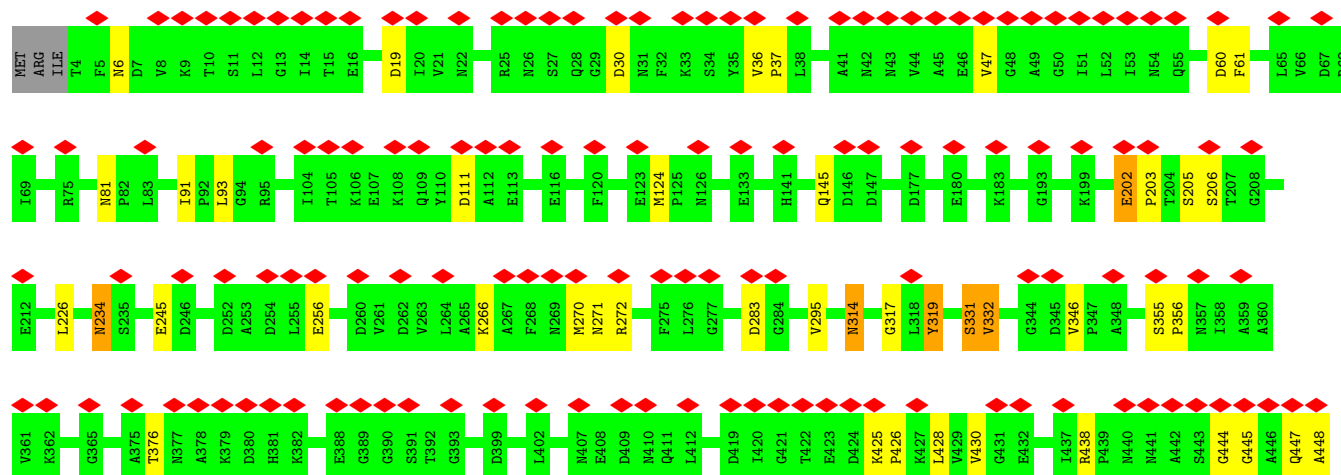
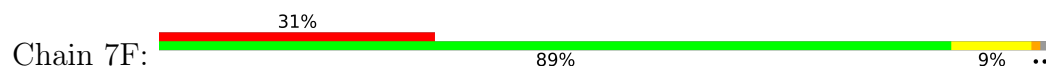


• Molecule 1: Major capsid protein

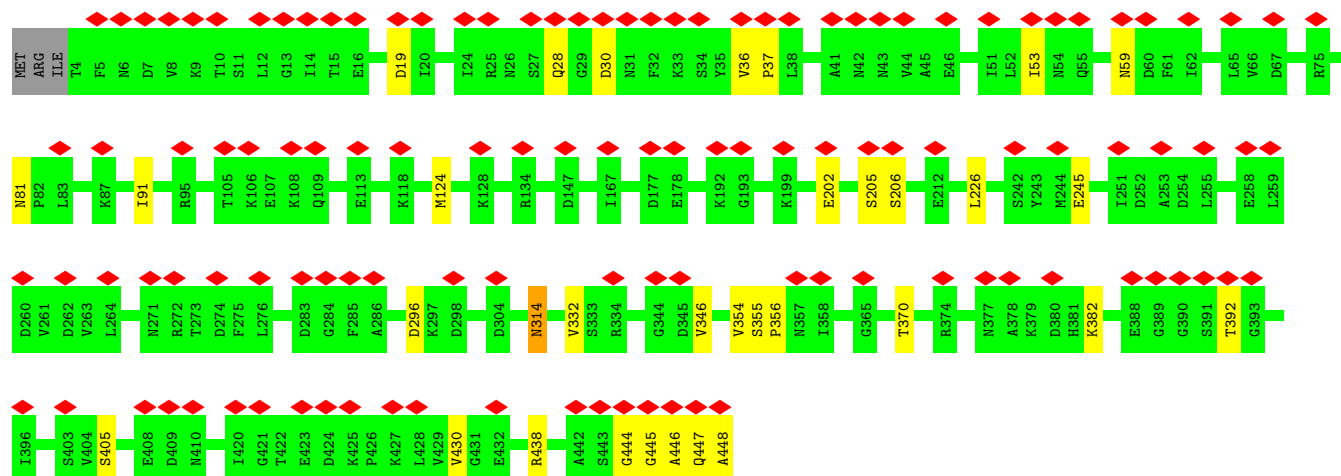




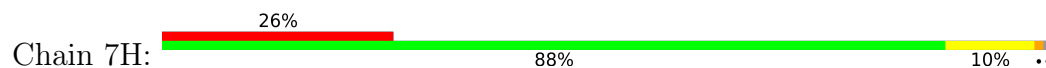
• Molecule 1: Major capsid protein

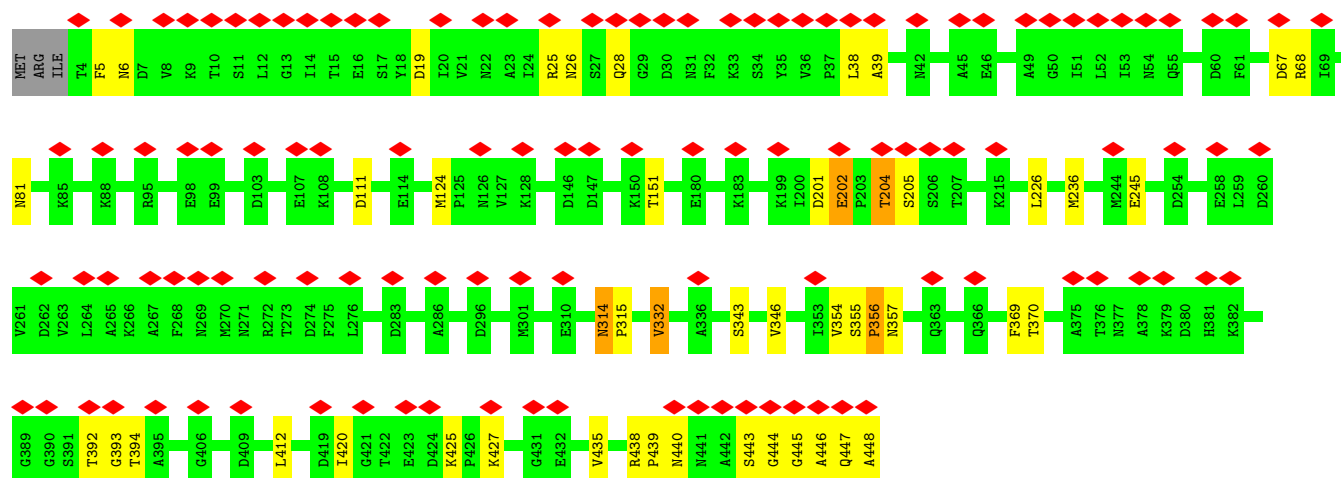


• Molecule 1: Major capsid protein

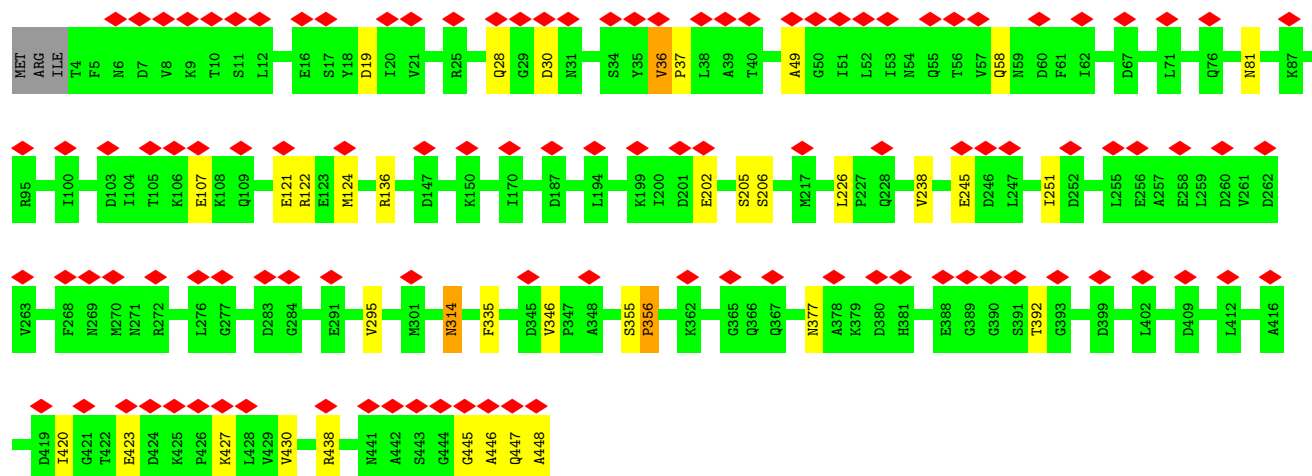


• Molecule 1: Major capsid protein

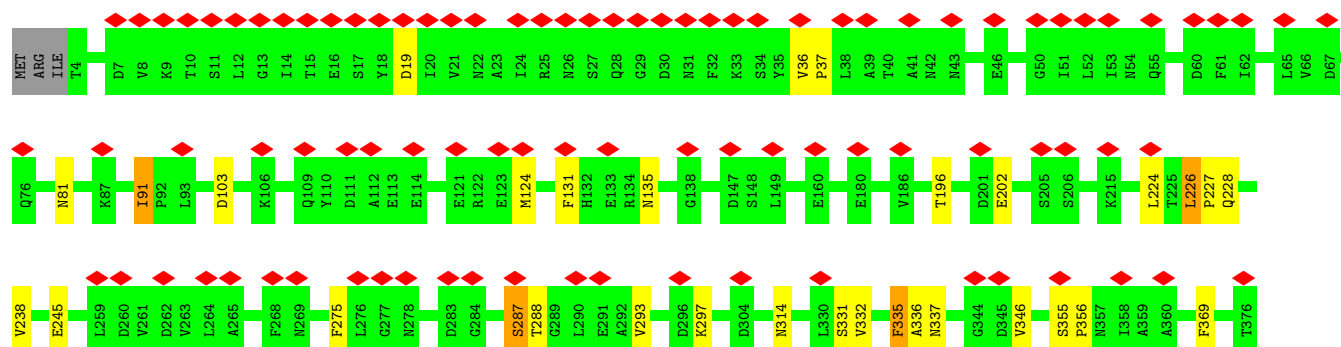
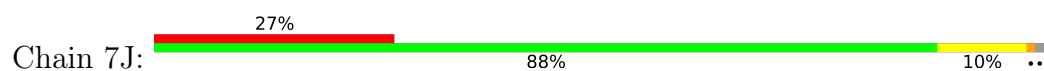




• Molecule 1: Major capsid protein

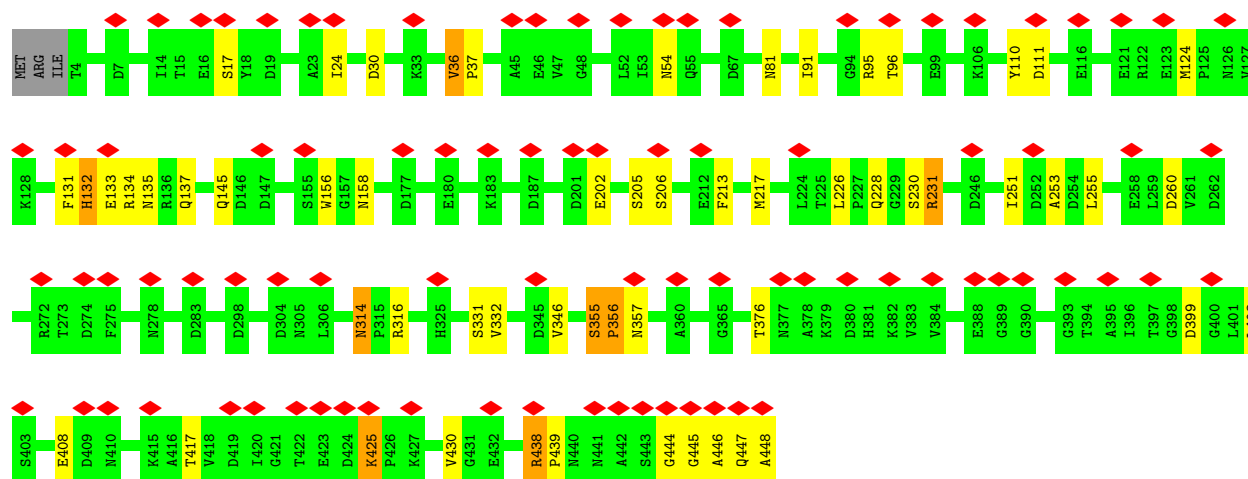
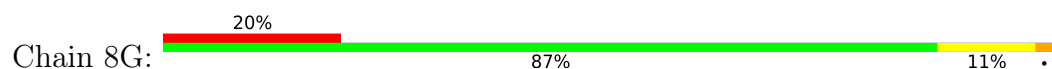


• Molecule 1: Major capsid protein

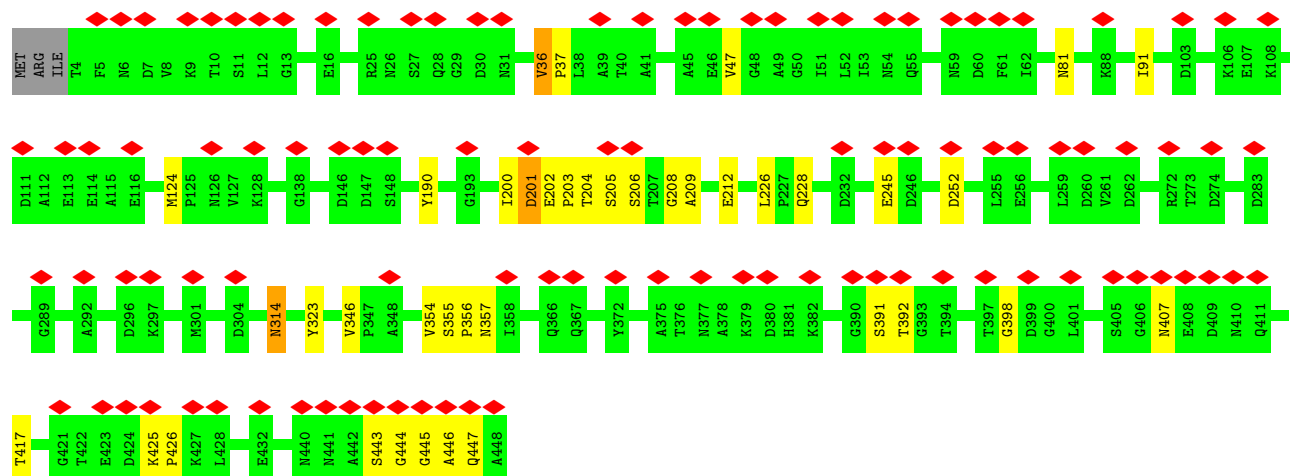
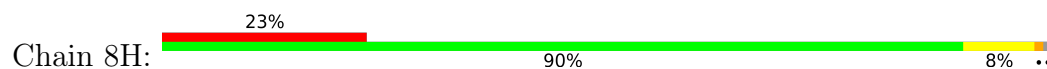




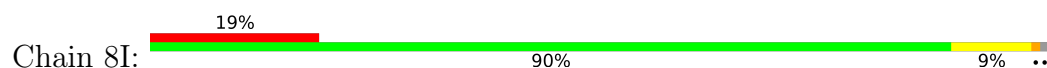
• Molecule 1: Major capsid protein

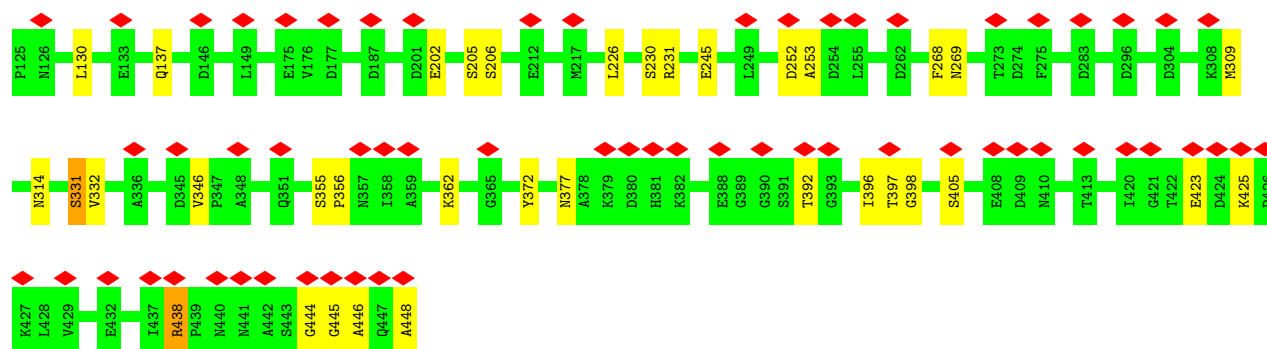


• Molecule 1: Major capsid protein

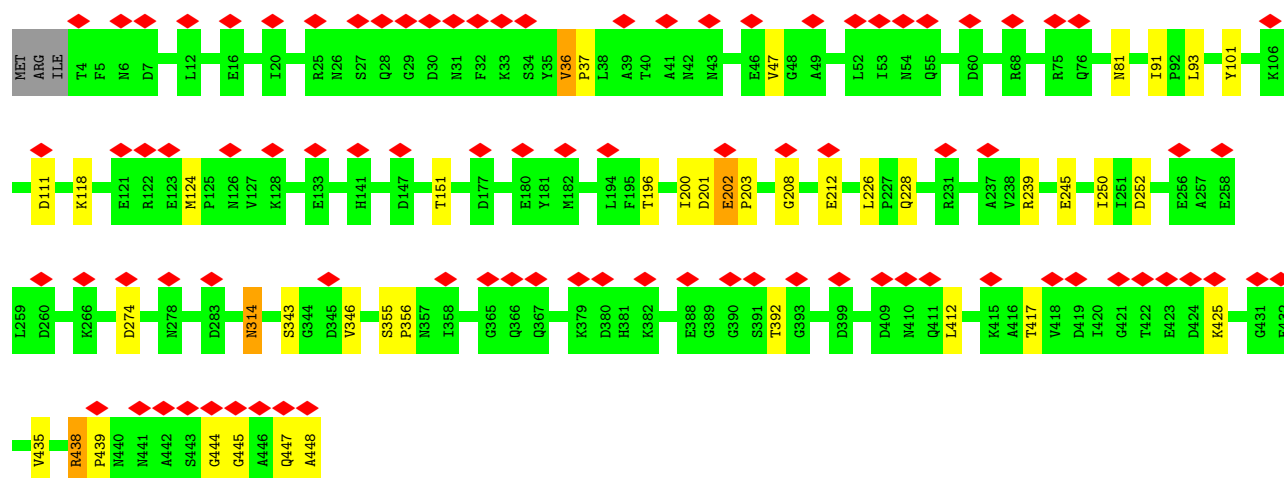
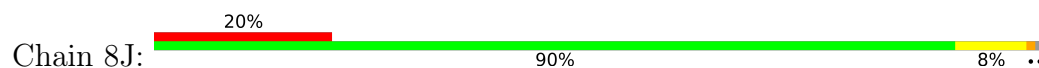


• Molecule 1: Major capsid protein

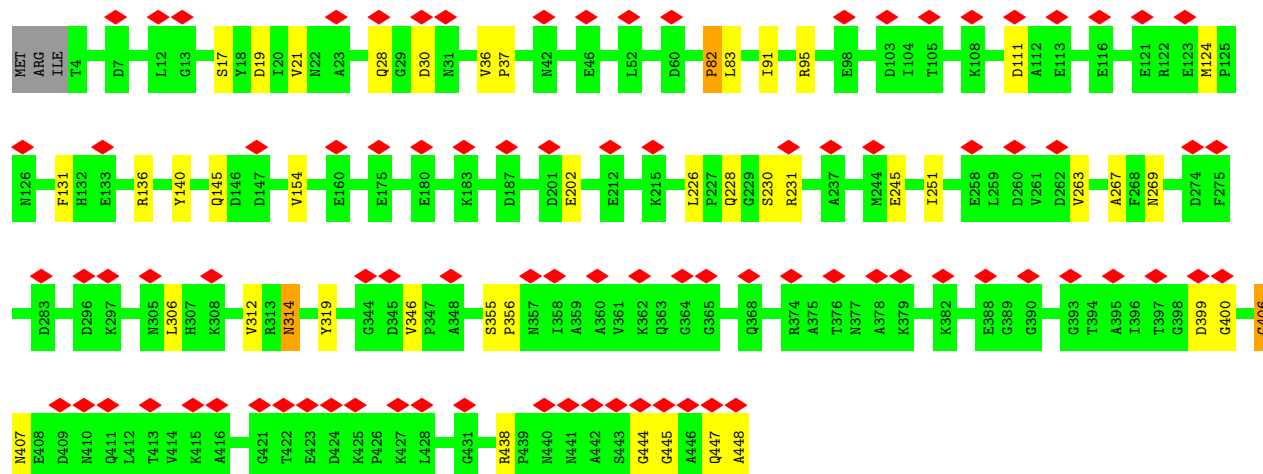
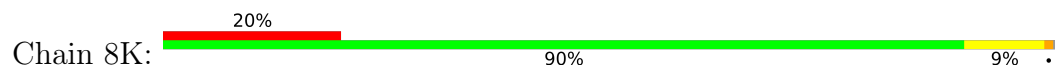




- Molecule 1: Major capsid protein

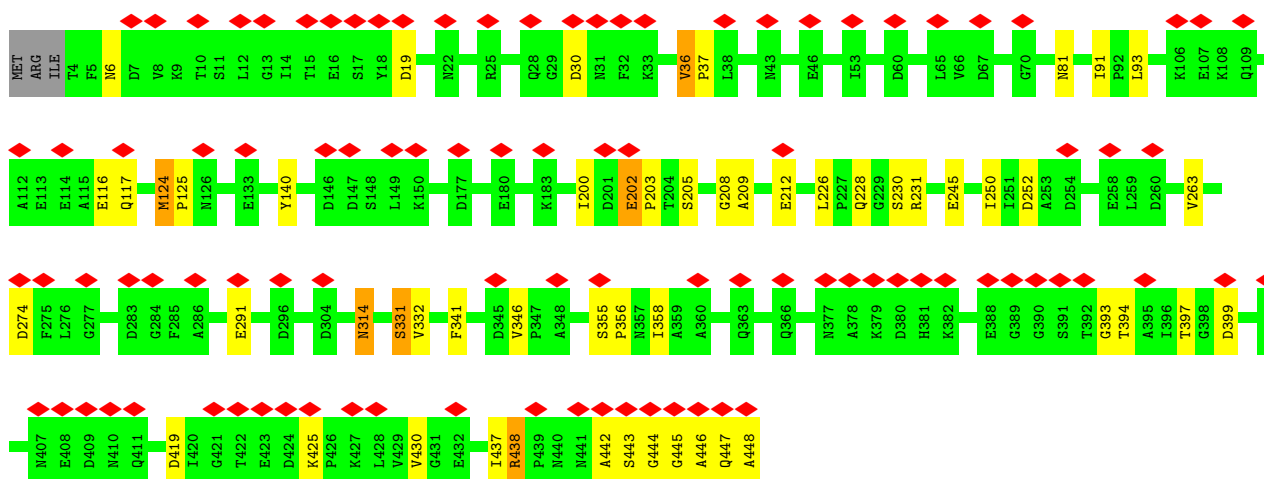


- Molecule 1: Major capsid protein



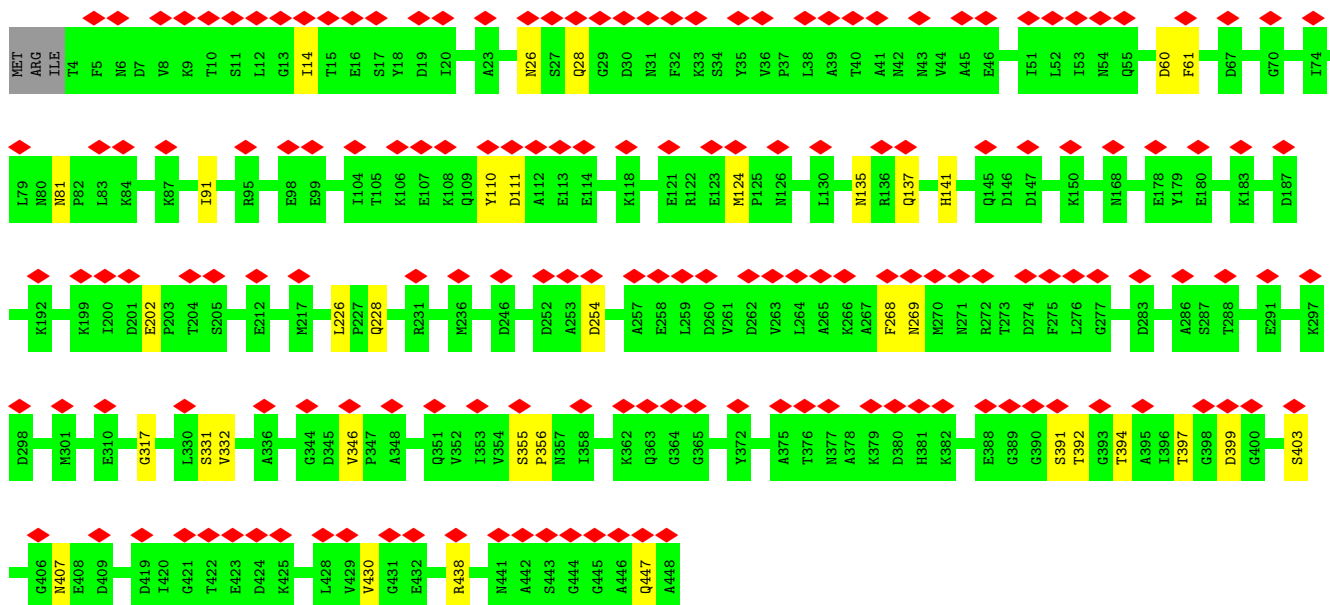
- Molecule 1: Major capsid protein

Chain 8L: 22% 87% 11% ..



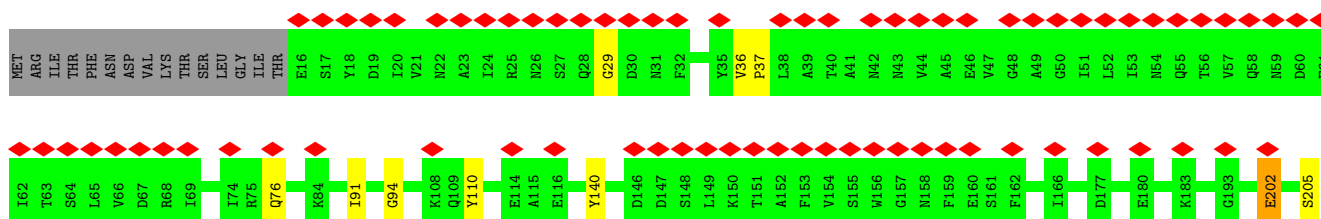
• Molecule 1: Major capsid protein

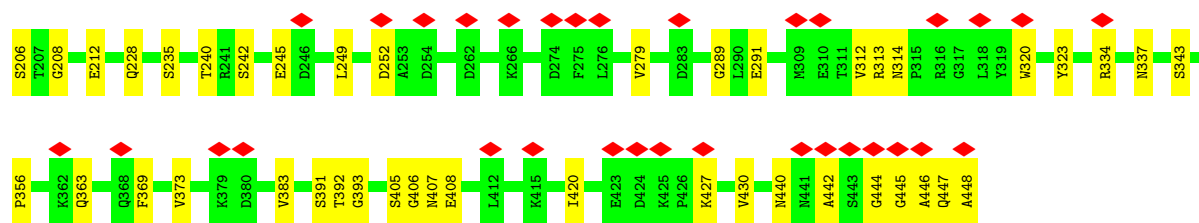
Chain 9B: 37% 92% 8% .



• Molecule 1: Major capsid protein

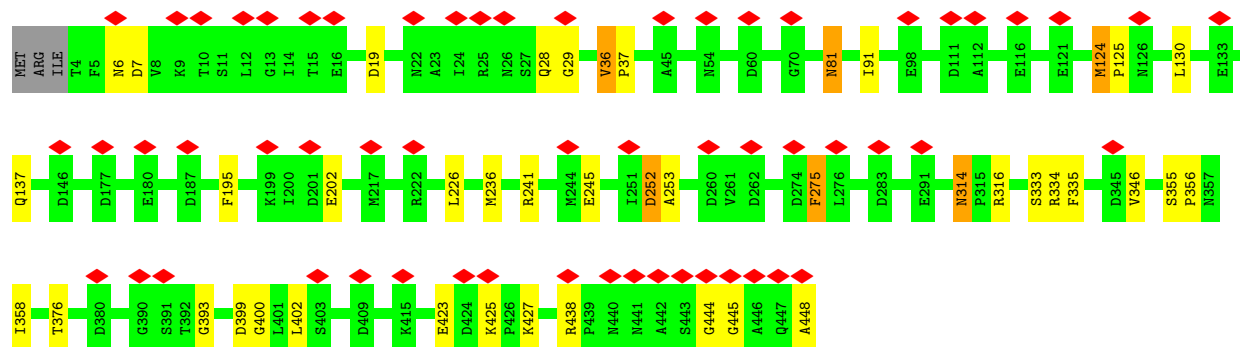
Chain 1M: 24% 85% 12% .





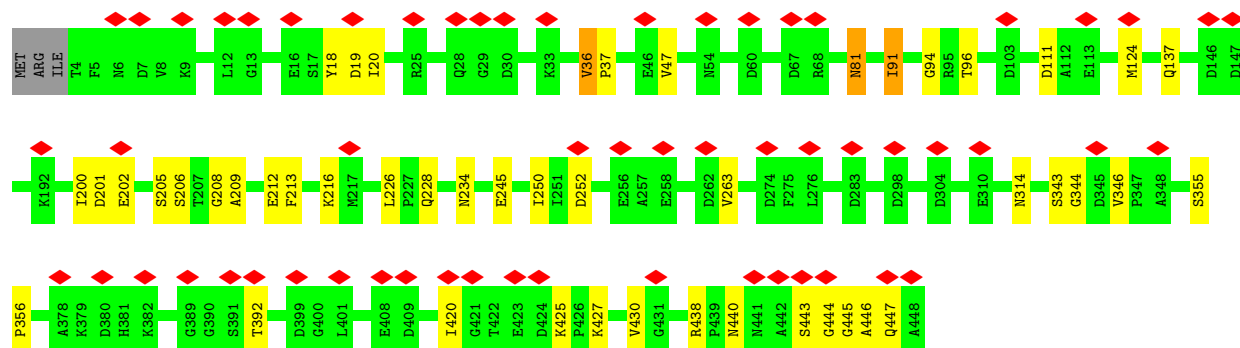
• Molecule 1: Major capsid protein

Chain 1N: 13% 90% 8% ..



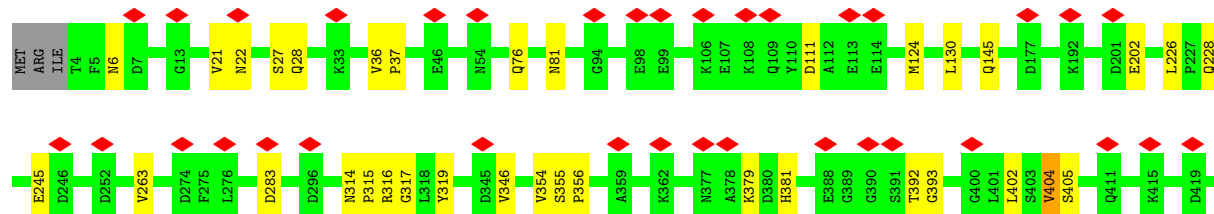
• Molecule 1: Major capsid protein

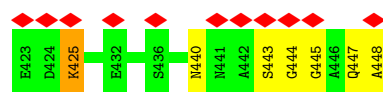
Chain 1O: 13% 89% 10% ..



• Molecule 1: Major capsid protein

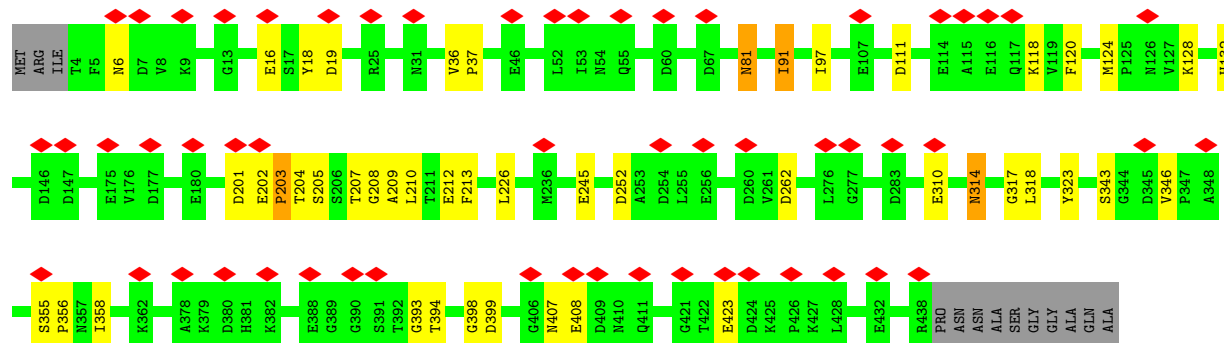
Chain 1P: 10% 90% 9% .





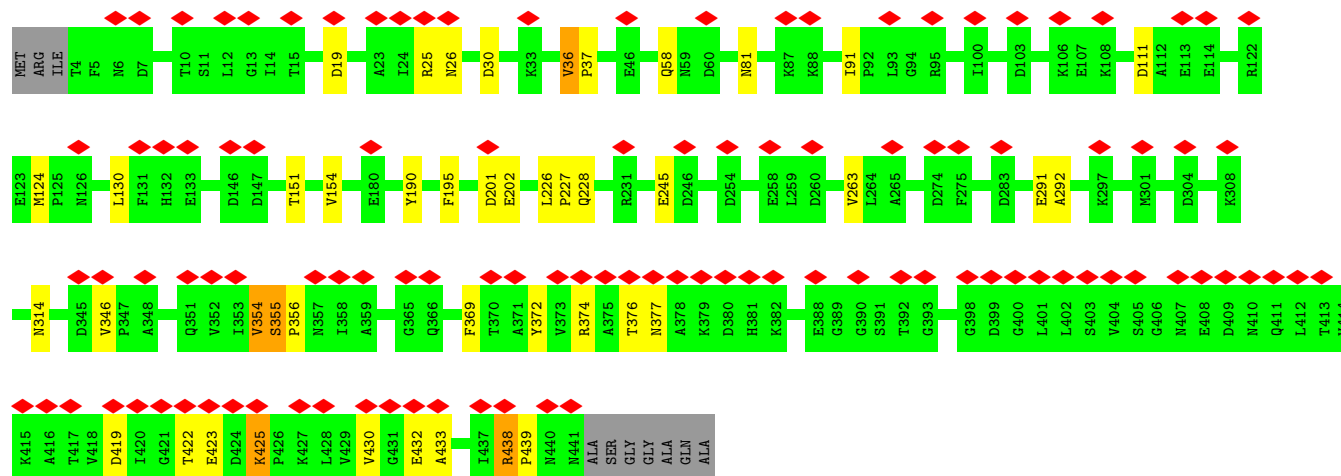
• Molecule 1: Major capsid protein

Chain 1Q: 12% 87% 10% ..



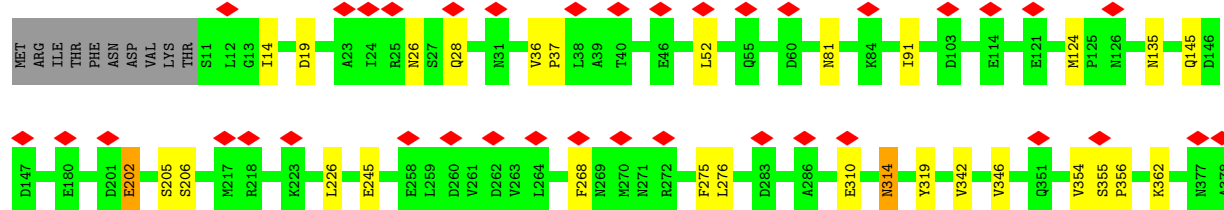
• Molecule 1: Major capsid protein

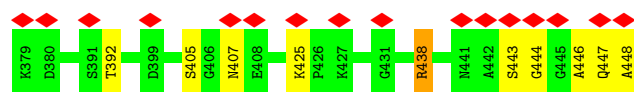
Chain 1R: 24% 88% 9% ..



• Molecule 1: Major capsid protein

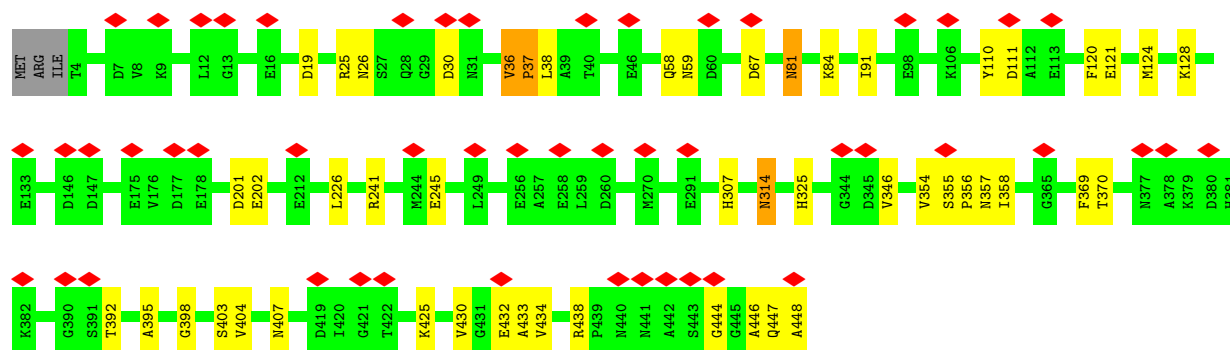
Chain 2K: 12% 89% 8% ..





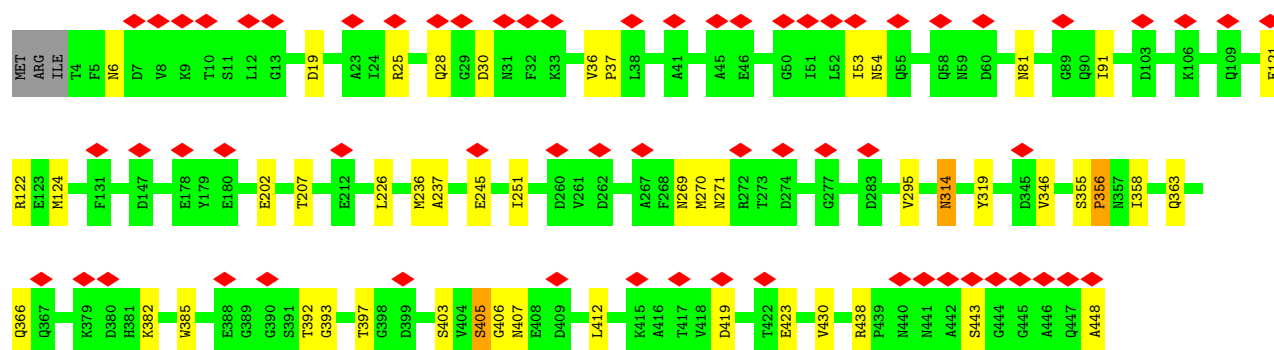
- Molecule 1: Major capsid protein

Chain 2L: 11% 88% 10% ..



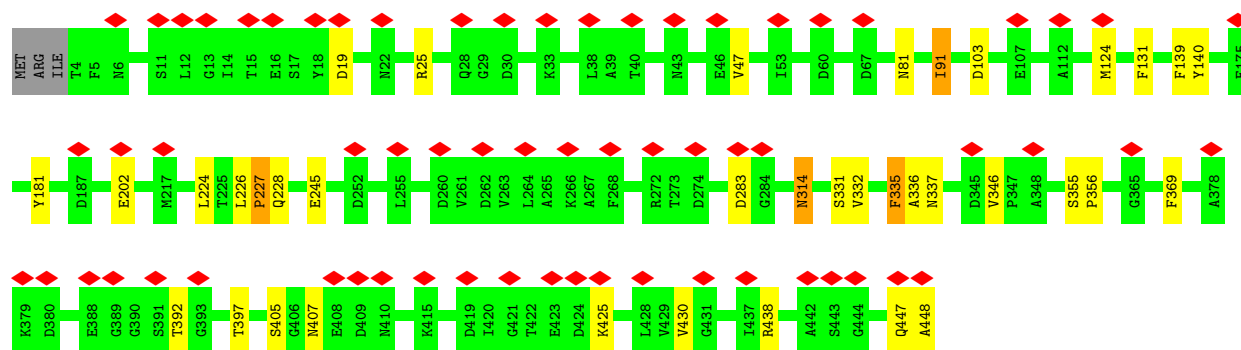
- Molecule 1: Major capsid protein

Chain 2M: 14% 88% 10% ..



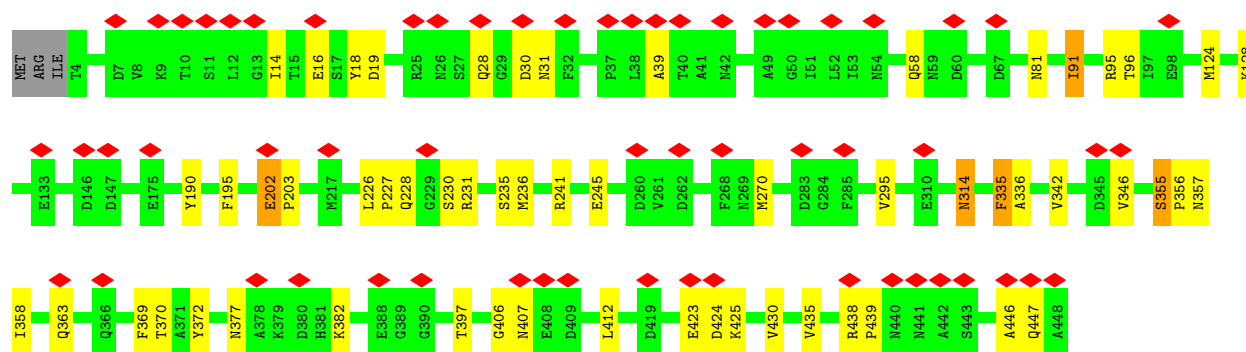
- Molecule 1: Major capsid protein

Chain 2N: 14% 91% 7% ..



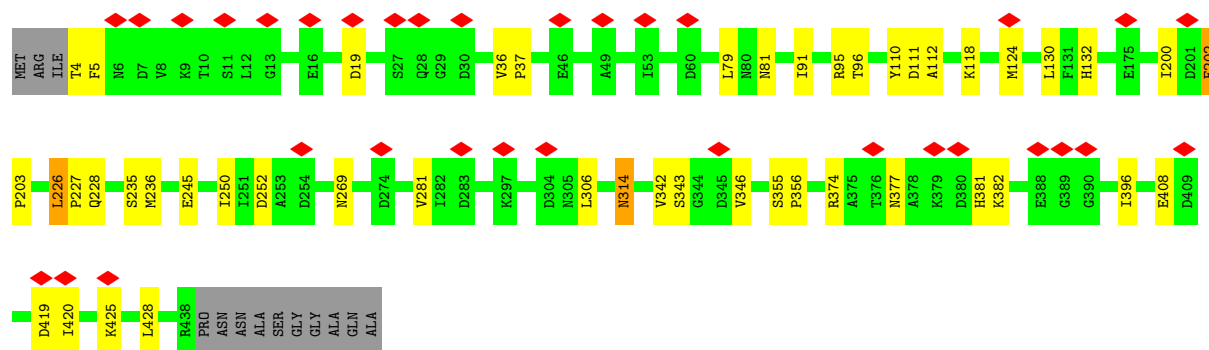
- Molecule 1: Major capsid protein

Chain 2O: 



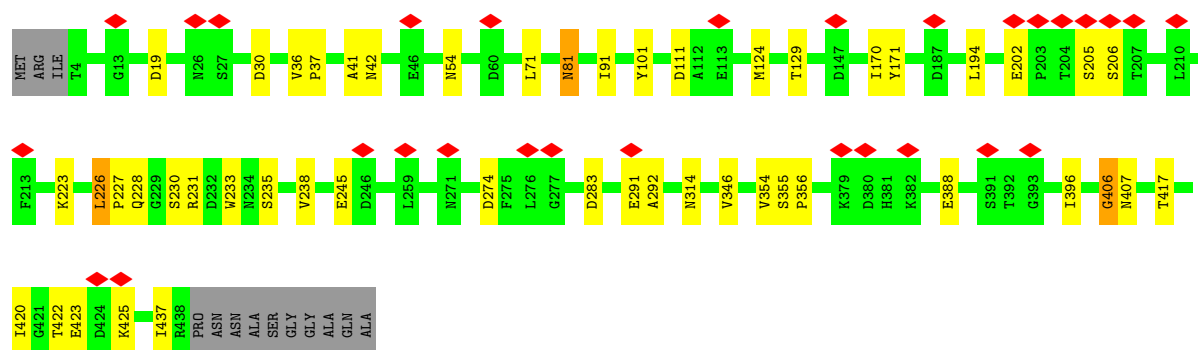
• Molecule 1: Major capsid protein

Chain 3M: 



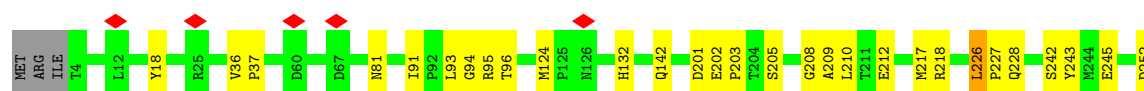
• Molecule 1: Major capsid protein

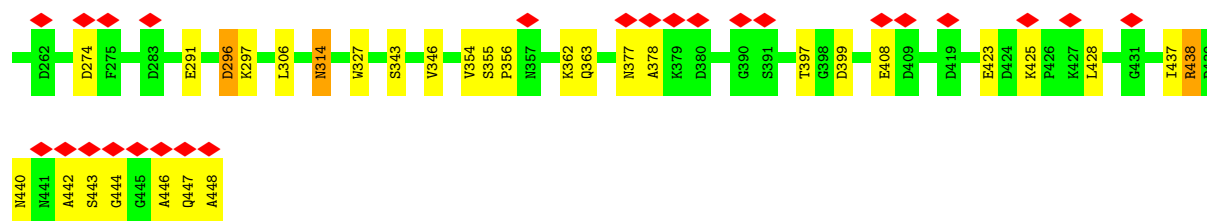
Chain 3N: 



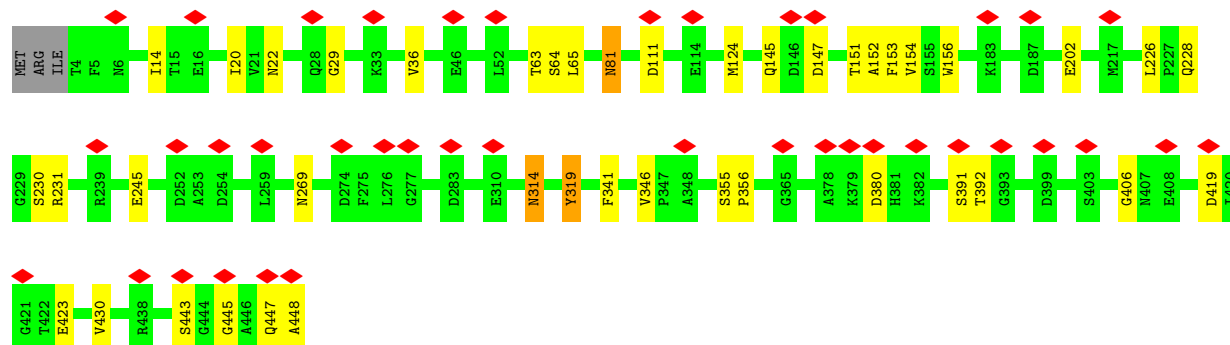
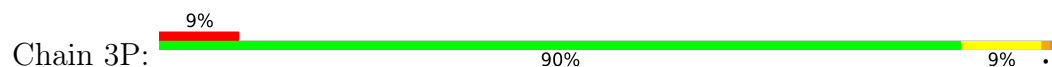
• Molecule 1: Major capsid protein

Chain 3O: 

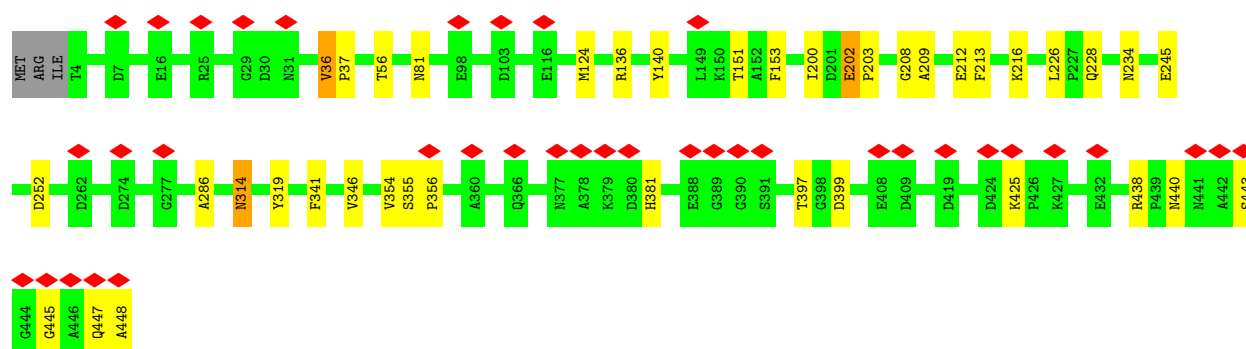
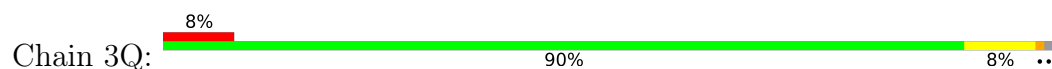




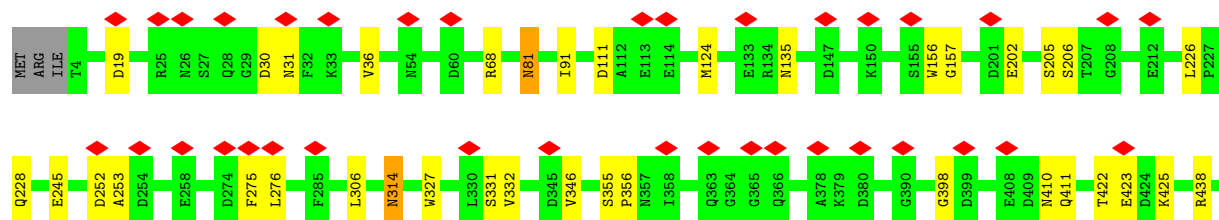
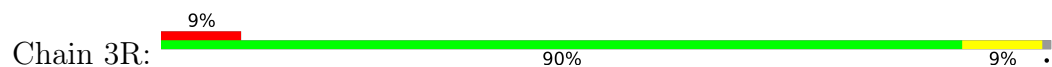
• Molecule 1: Major capsid protein



• Molecule 1: Major capsid protein

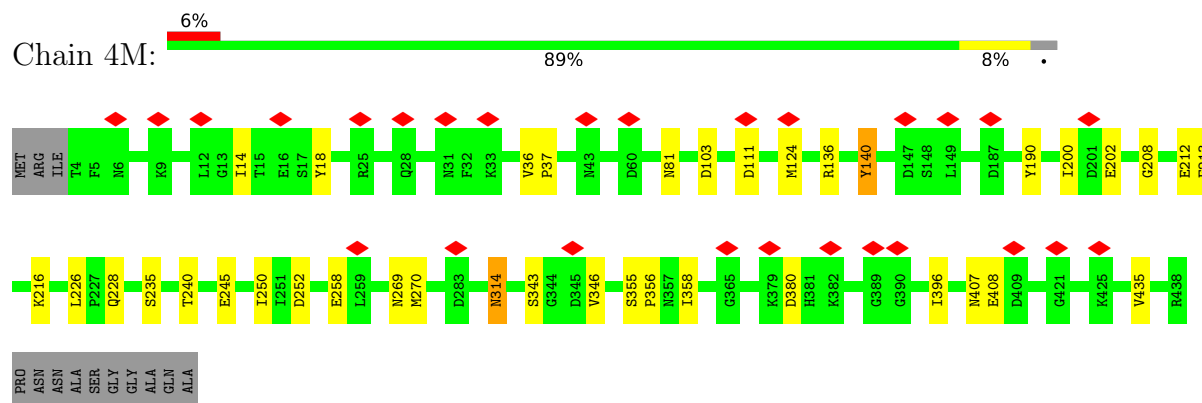


• Molecule 1: Major capsid protein

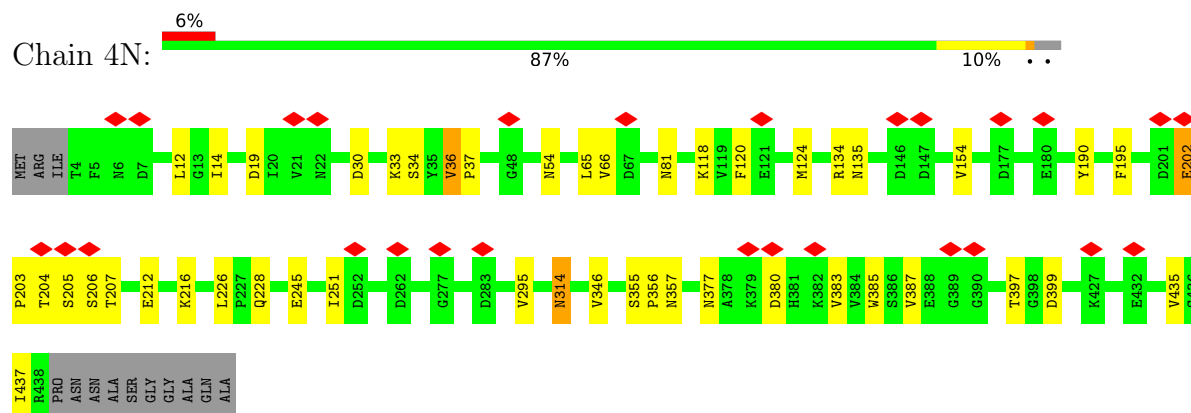




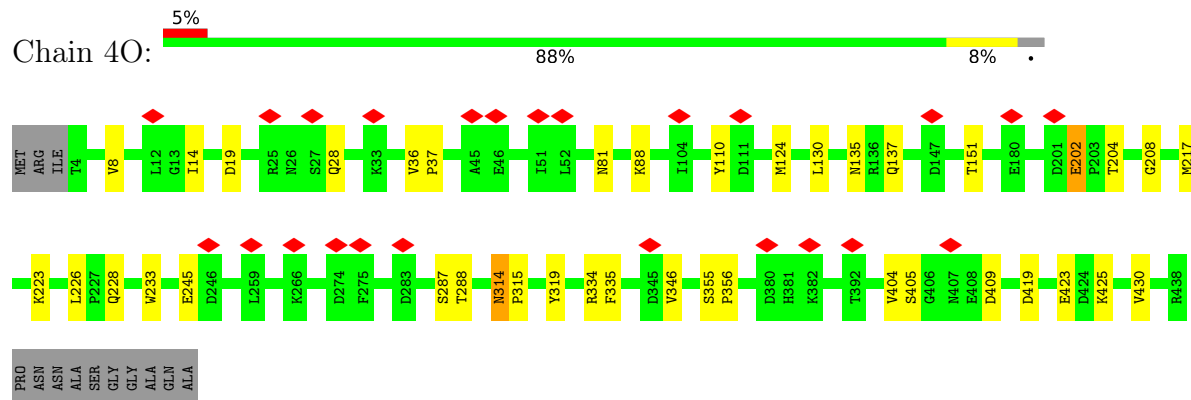
- Molecule 1: Major capsid protein



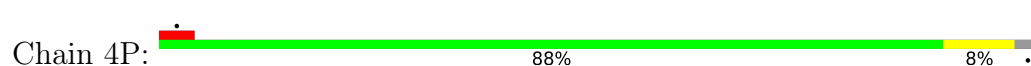
- Molecule 1: Major capsid protein

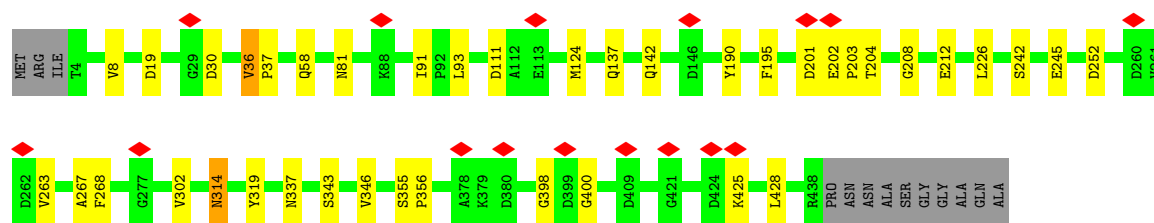


- Molecule 1: Major capsid protein

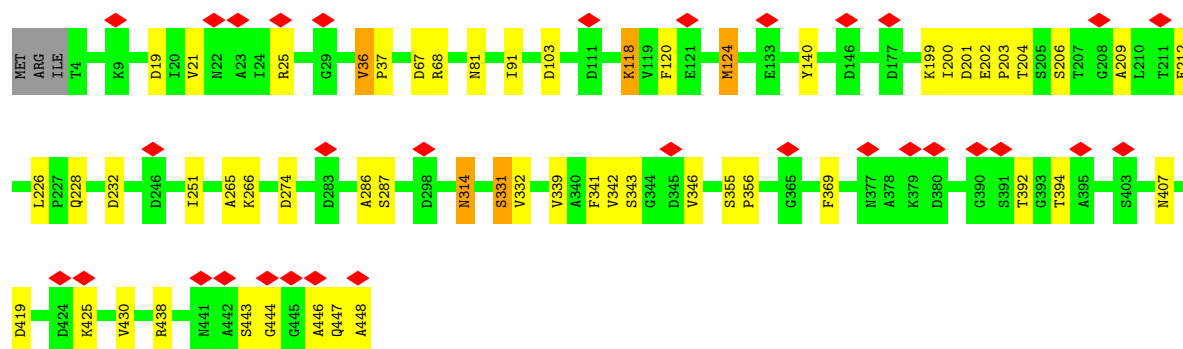
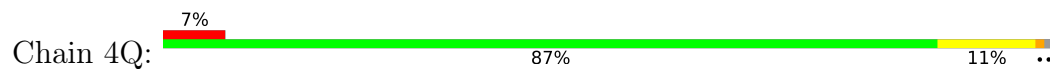


- Molecule 1: Major capsid protein

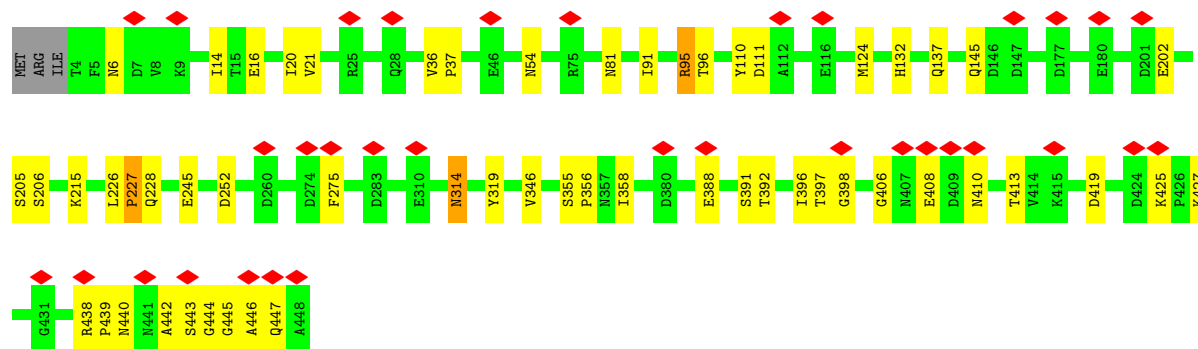
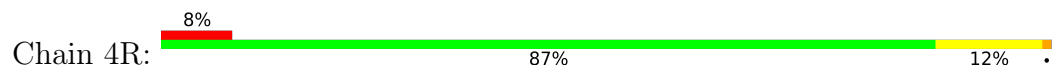




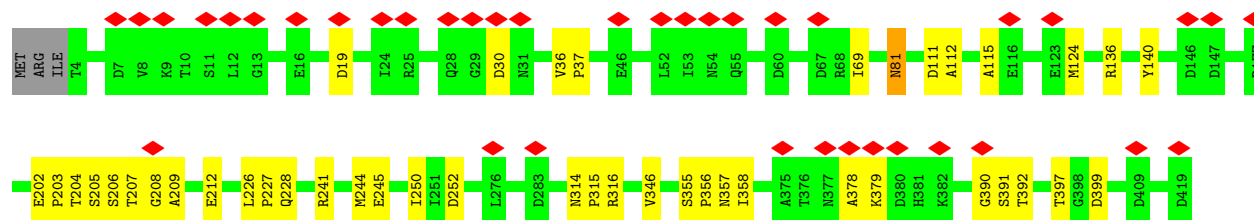
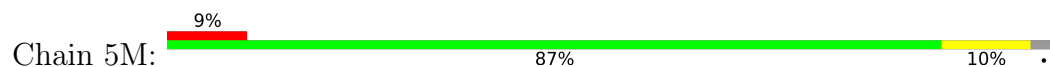
• Molecule 1: Major capsid protein

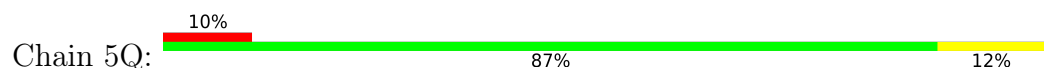


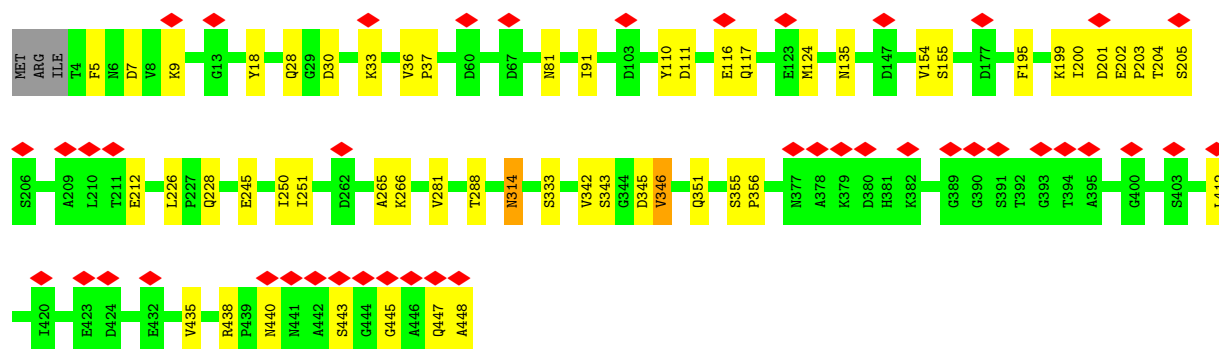
• Molecule 1: Major capsid protein



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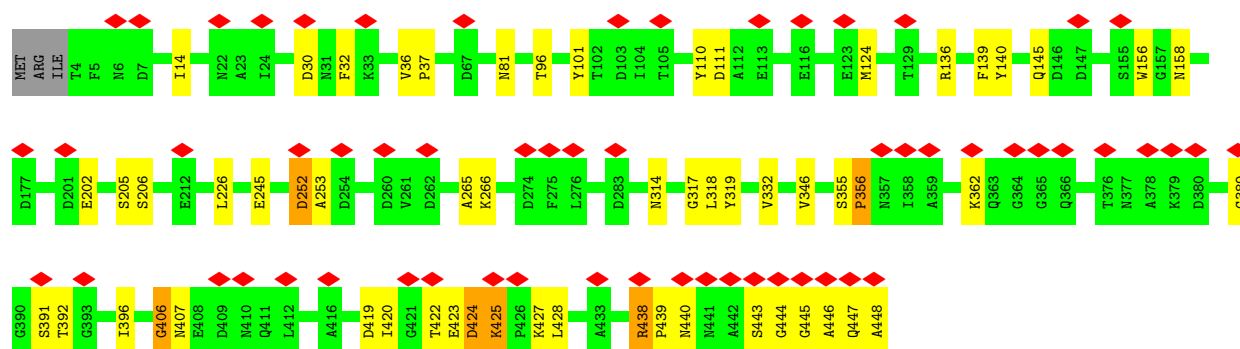






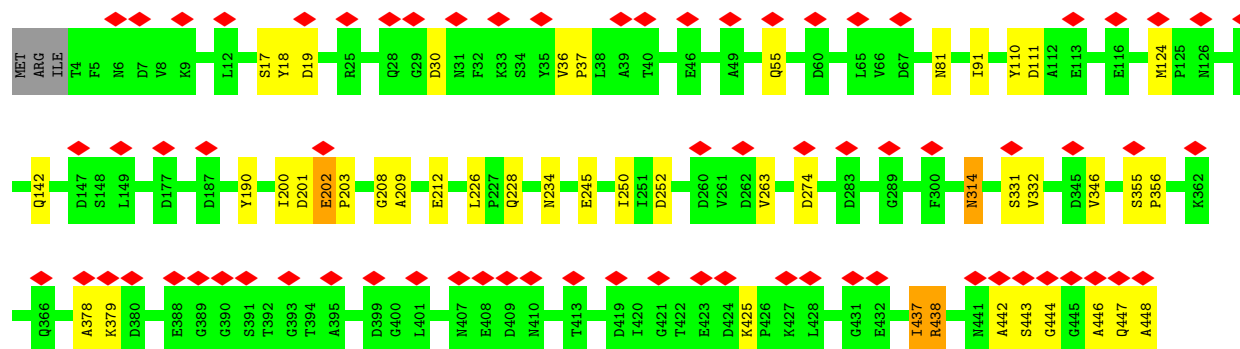
- Molecule 1: Major capsid protein

Chain 5R: 13% 86% 12% ..



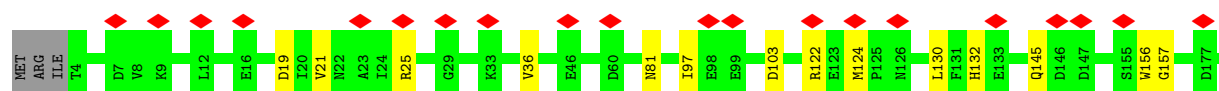
- Molecule 1: Major capsid protein

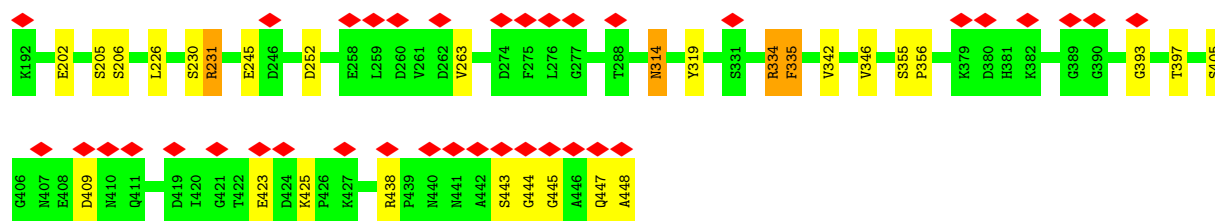
Chain 6M: 16% 89% 9% ..



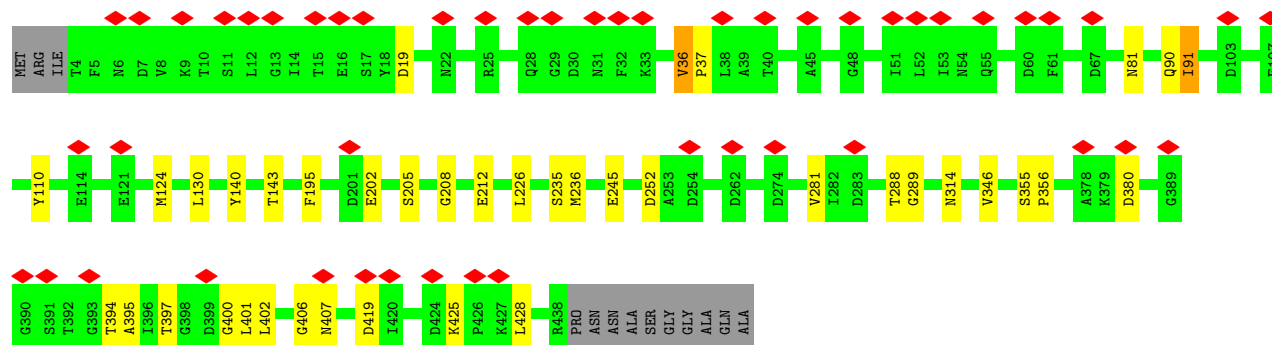
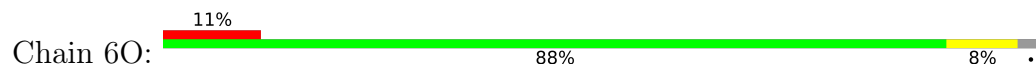
- Molecule 1: Major capsid protein

Chain 6N: 13% 90% 9% ..

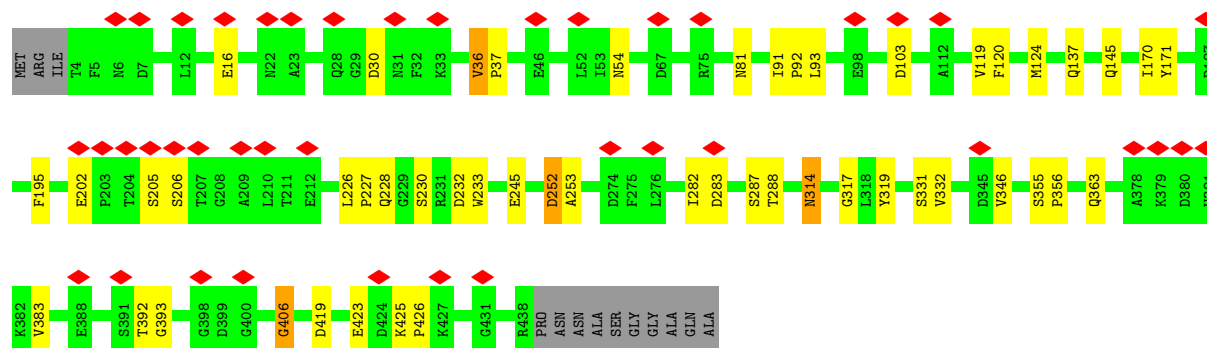
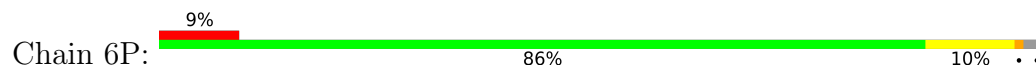




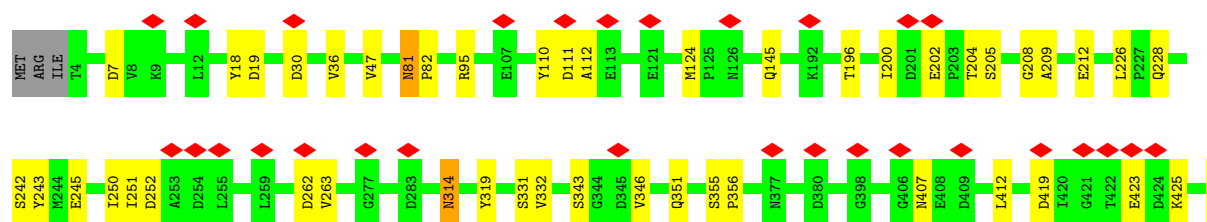
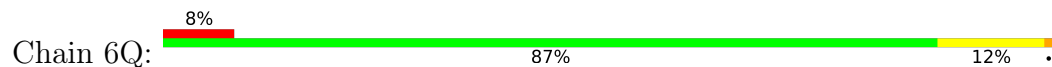
• Molecule 1: Major capsid protein



• Molecule 1: Major capsid protein

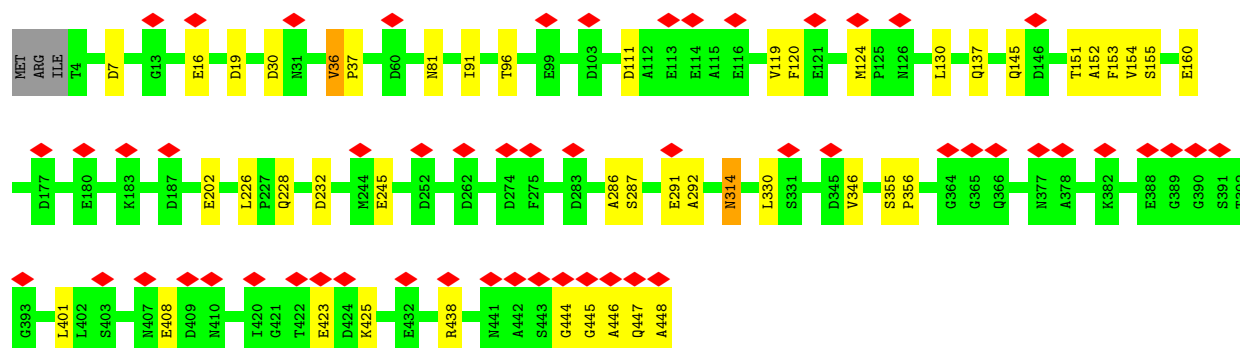
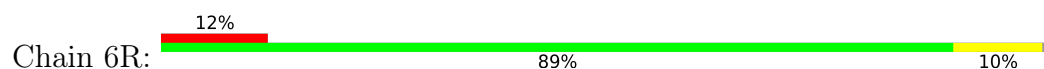


• Molecule 1: Major capsid protein

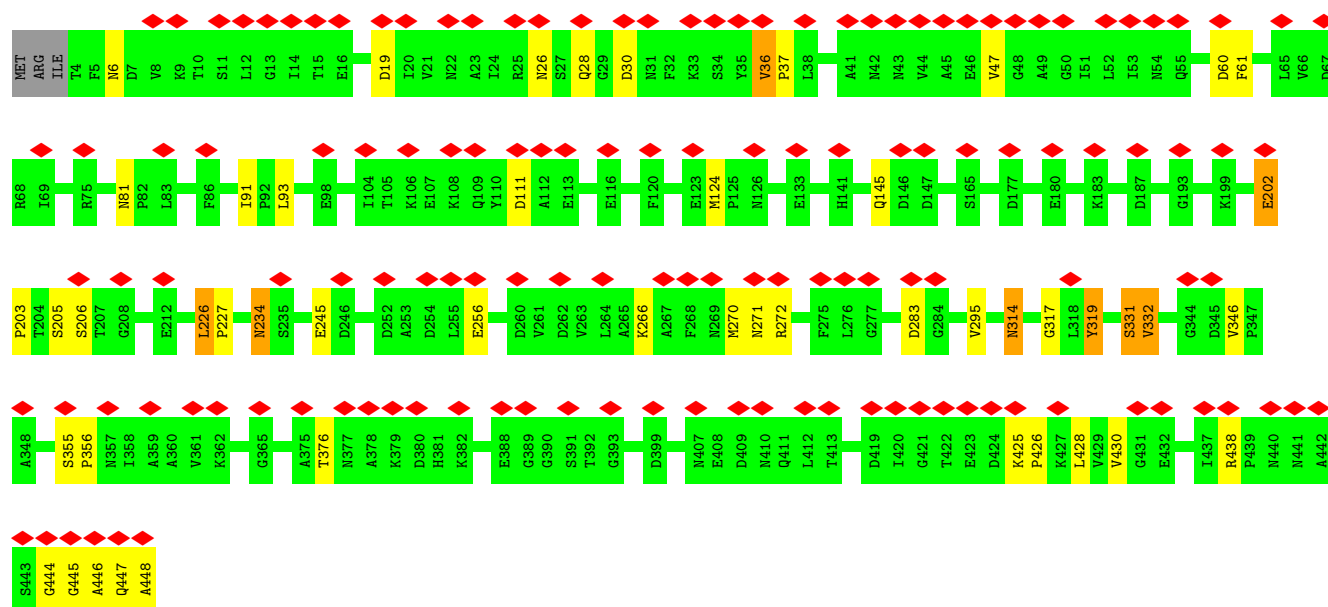
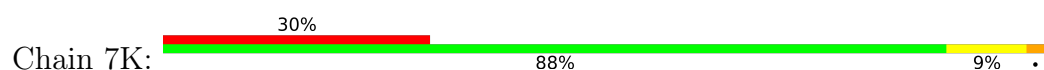




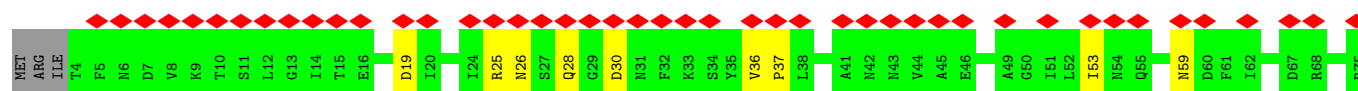
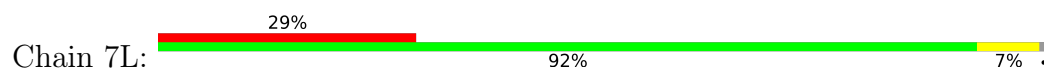
• Molecule 1: Major capsid protein

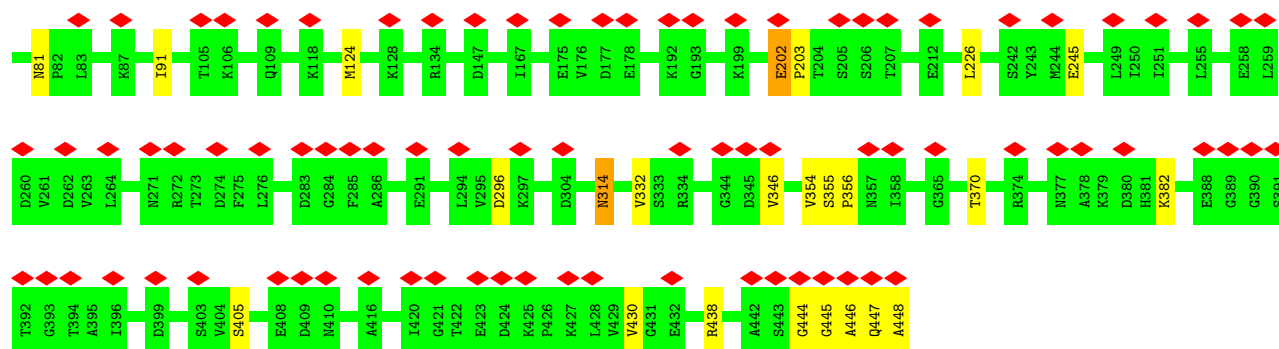


• Molecule 1: Major capsid protein



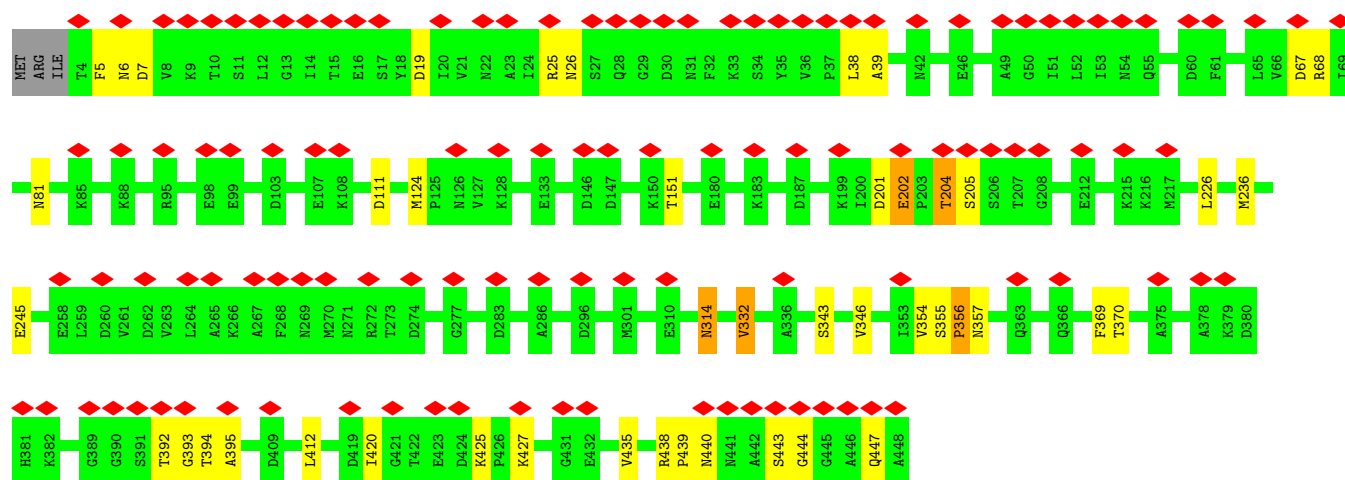
• Molecule 1: Major capsid protein





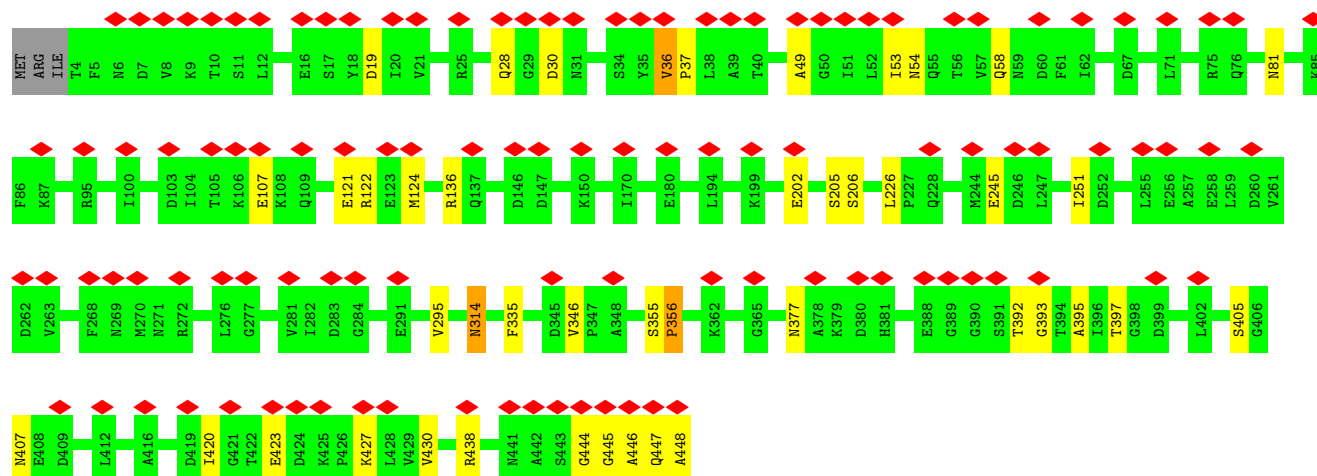
- Molecule 1: Major capsid protein

Chain 7M: 26% 89% 9% ..

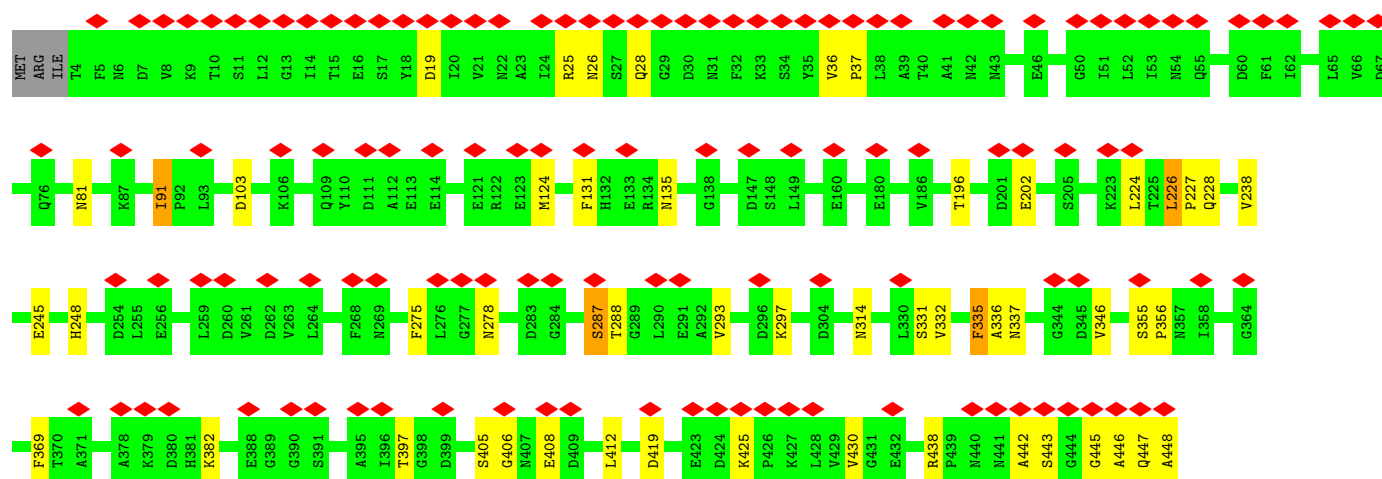
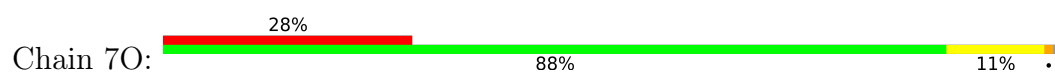


- Molecule 1: Major capsid protein

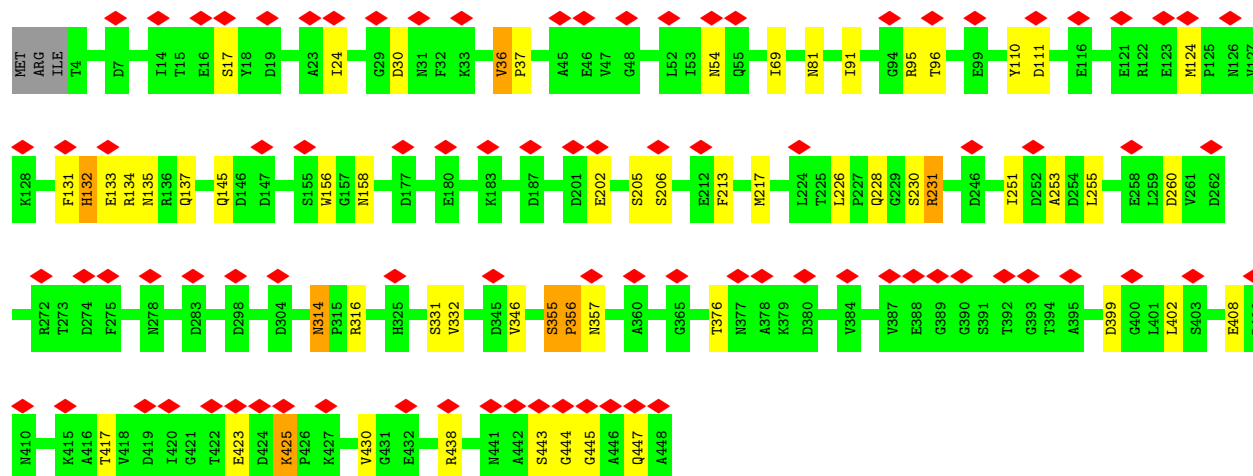
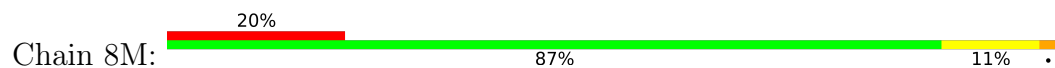
Chain 7N: 25% 90% 9% ..



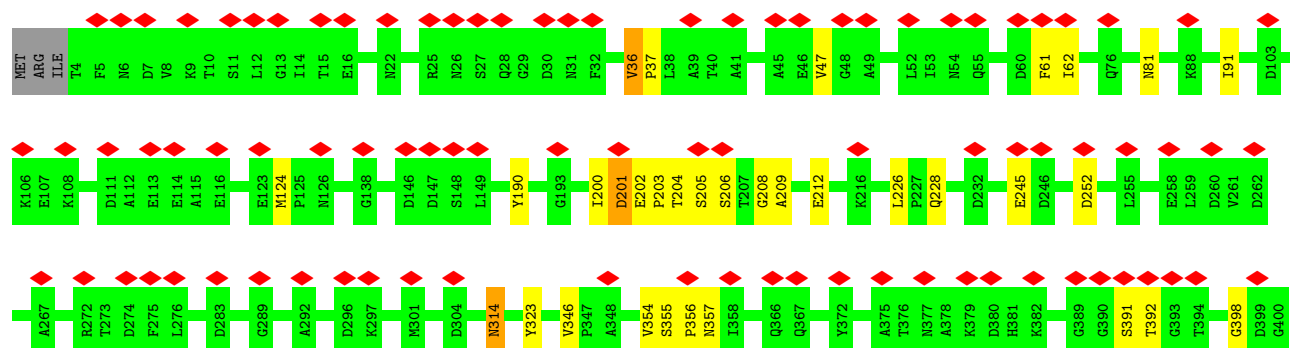
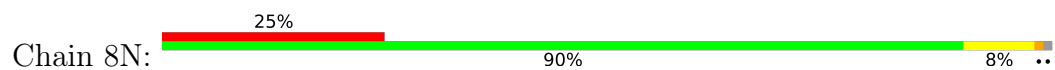
- Molecule 1: Major capsid protein

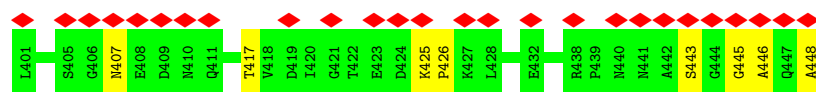


• Molecule 1: Major capsid protein

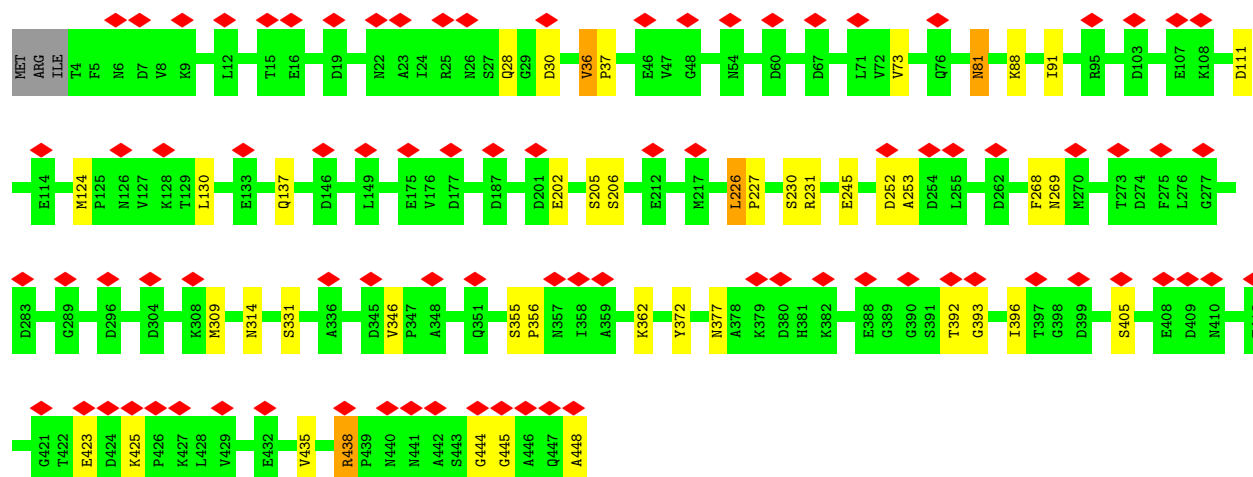
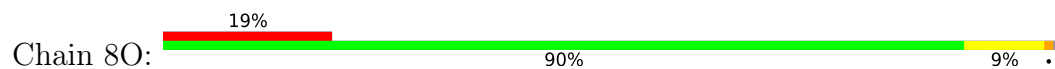


• Molecule 1: Major capsid protein

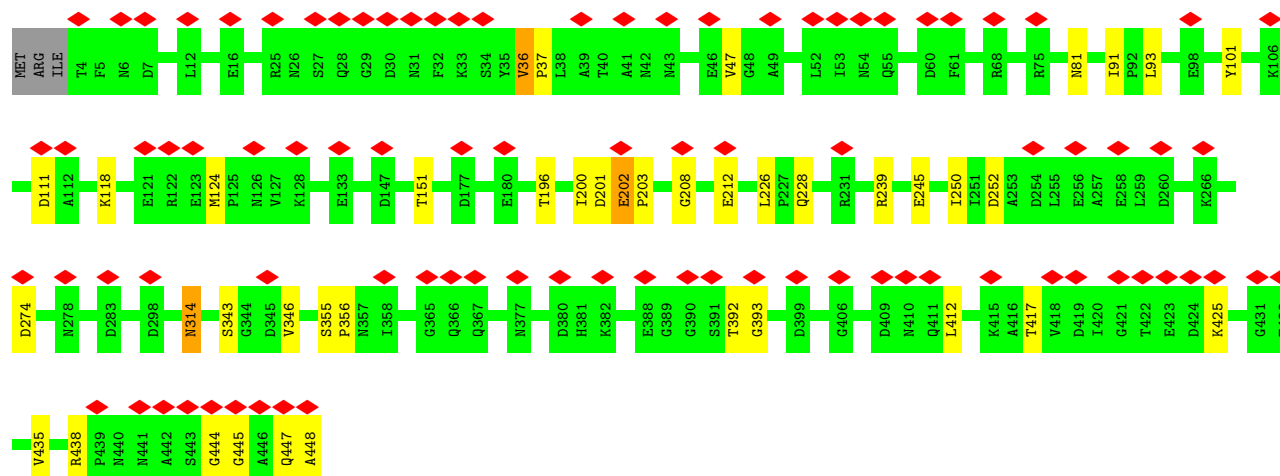
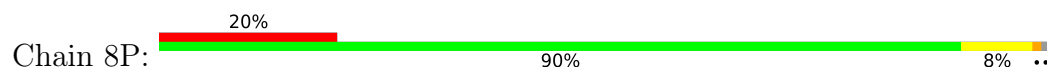




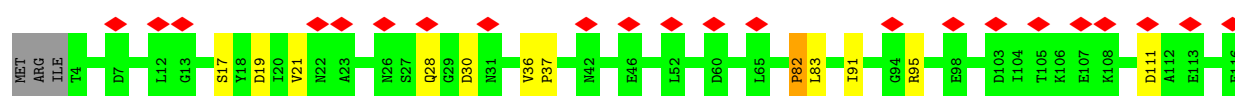
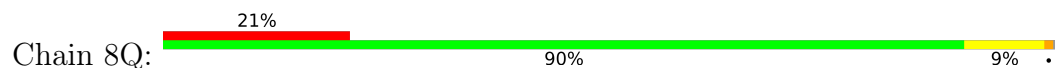
• Molecule 1: Major capsid protein

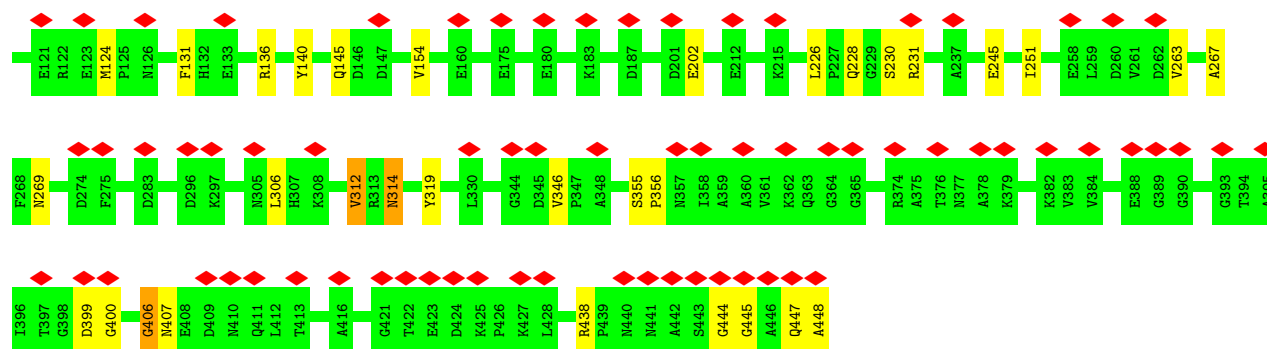


• Molecule 1: Major capsid protein

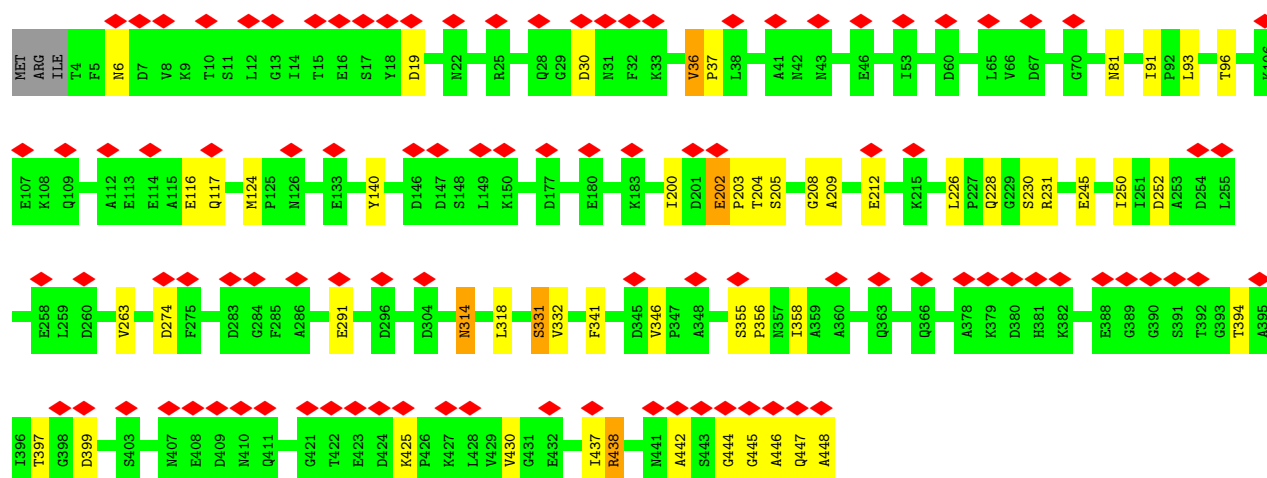
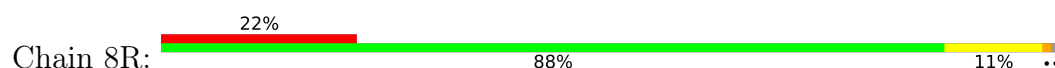


• Molecule 1: Major capsid protein

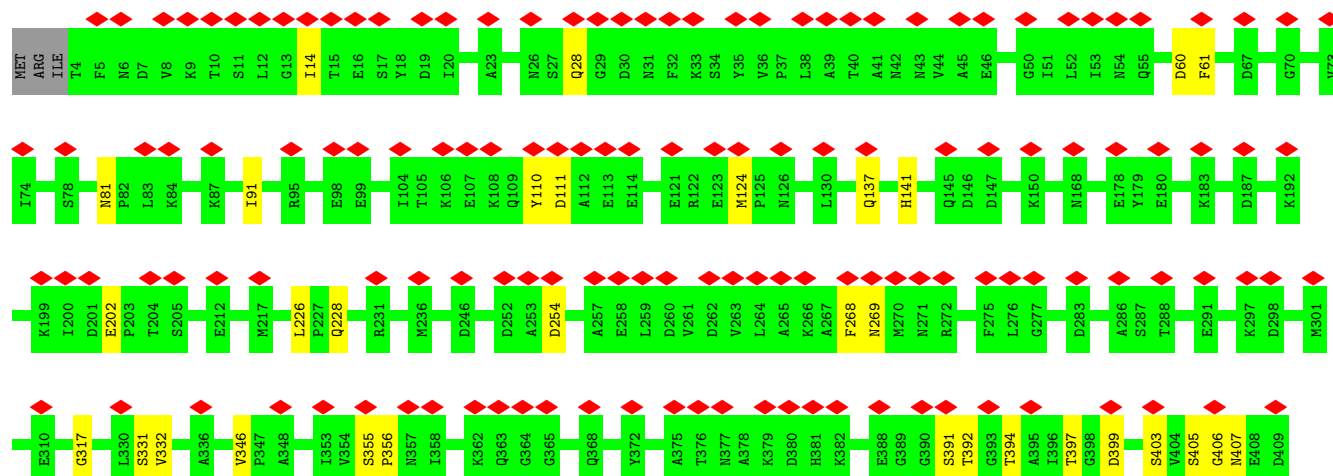


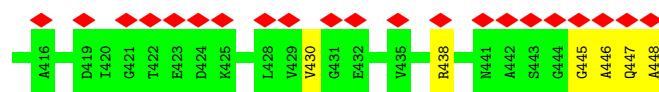


• Molecule 1: Major capsid protein

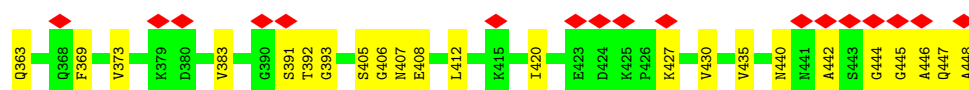
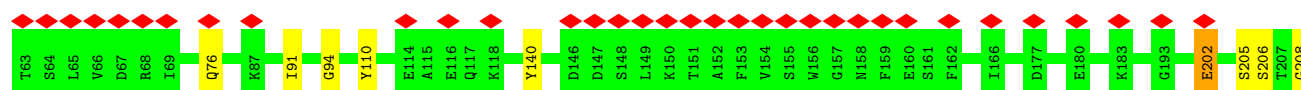
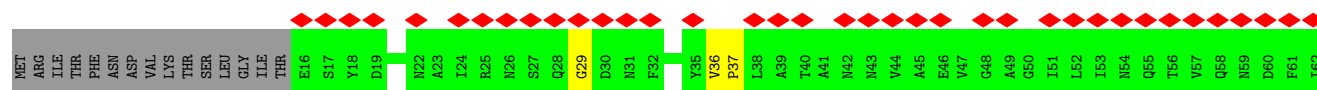
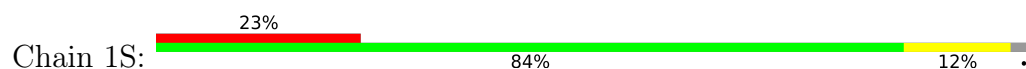


• Molecule 1: Major capsid protein

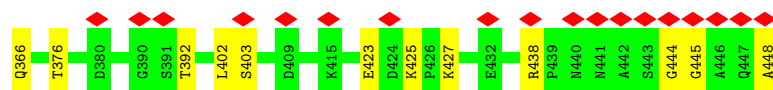
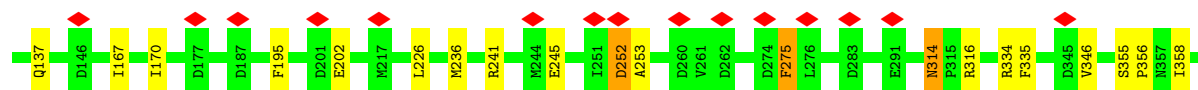
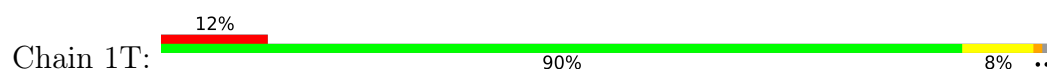




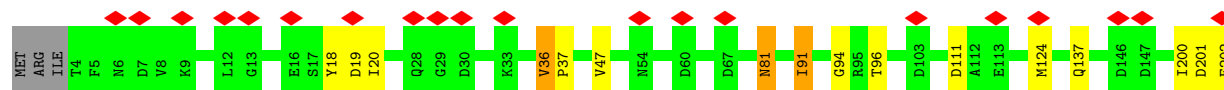
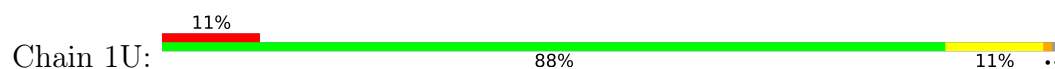
• Molecule 1: Major capsid protein

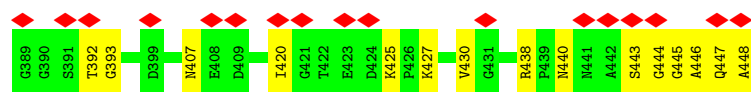


• Molecule 1: Major capsid protein

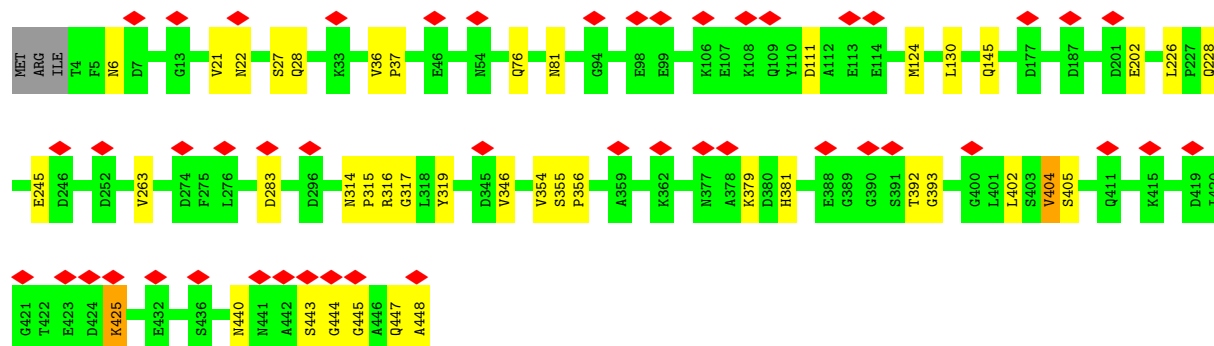
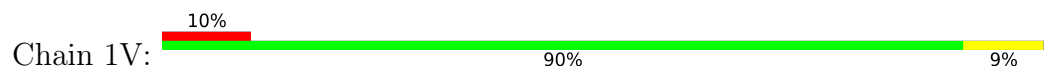


• Molecule 1: Major capsid protein

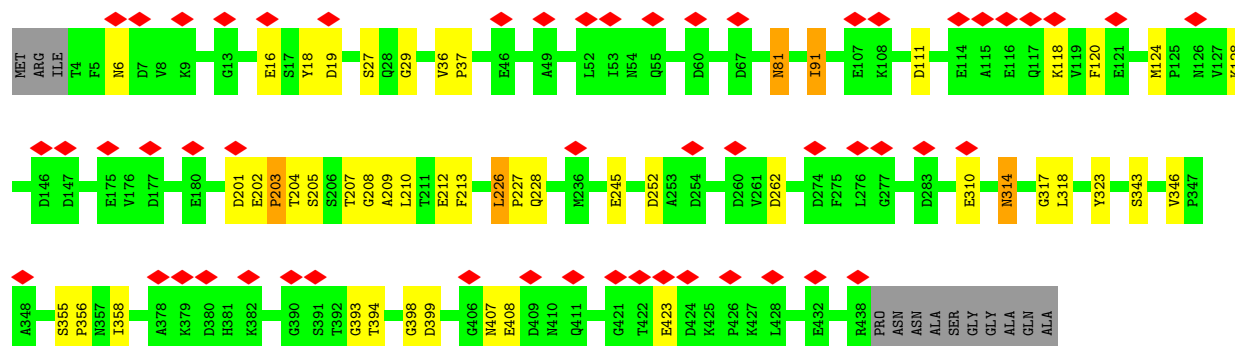
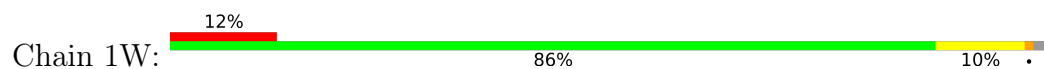




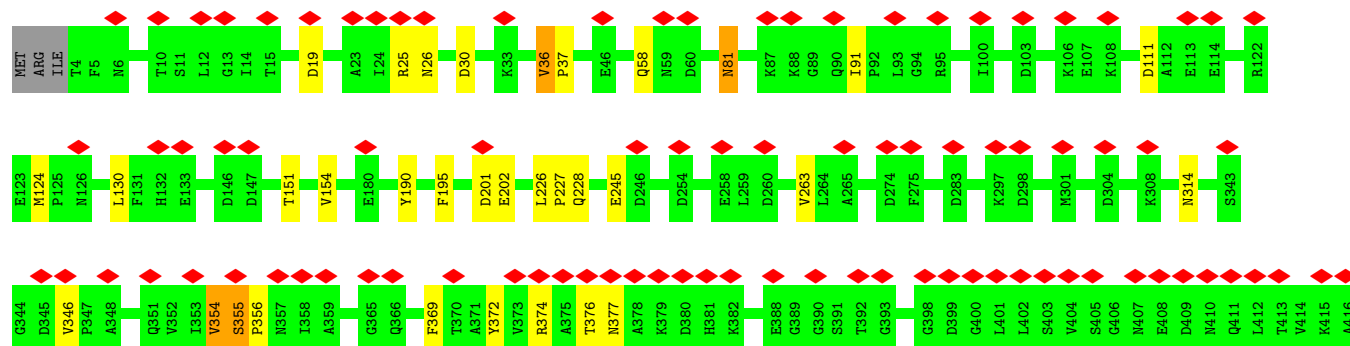
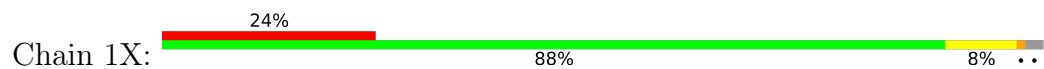
• Molecule 1: Major capsid protein

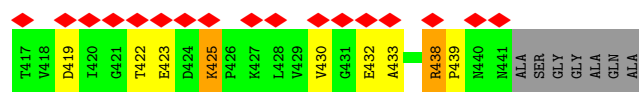


• Molecule 1: Major capsid protein



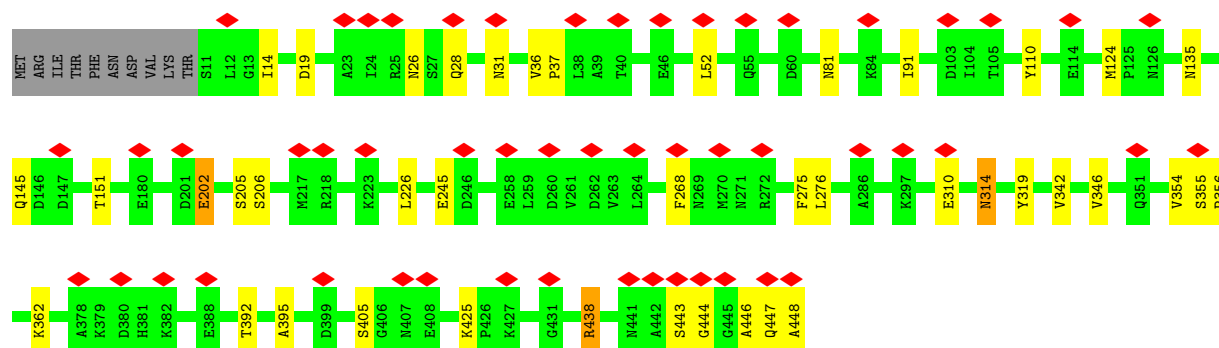
• Molecule 1: Major capsid protein





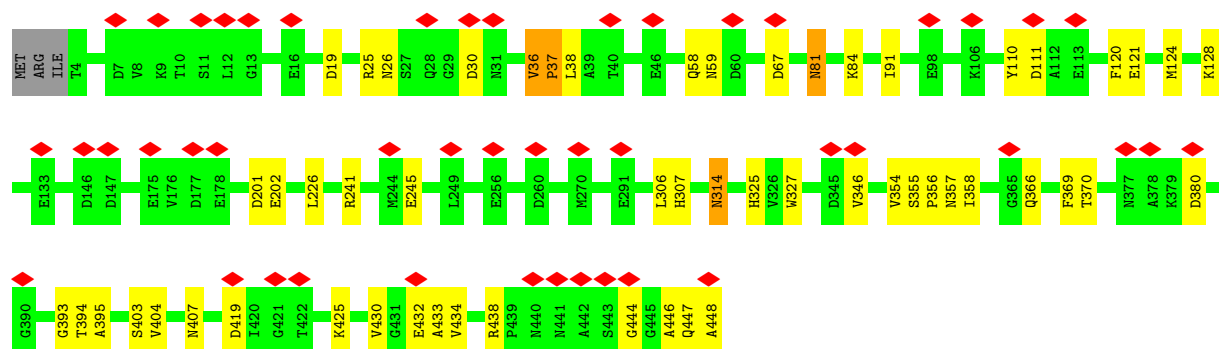
- Molecule 1: Major capsid protein

Chain 2P: 12% 88% 9% ..



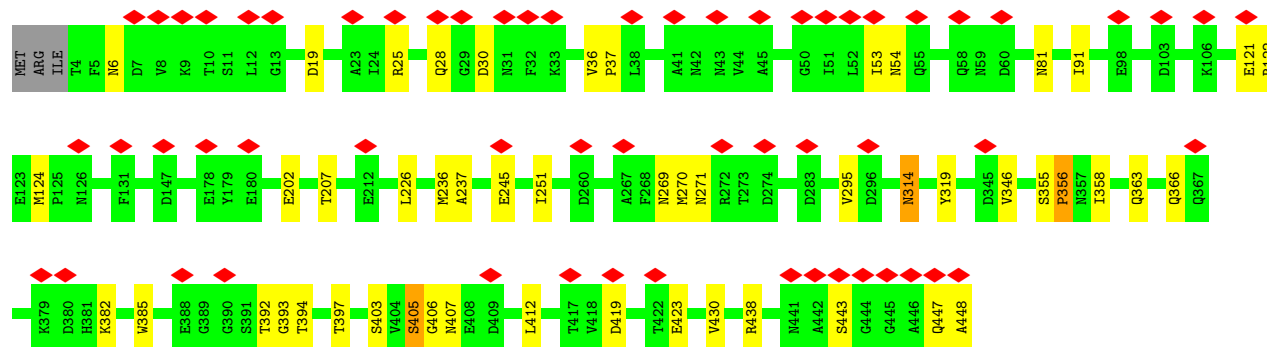
- Molecule 1: Major capsid protein

Chain 2Q: 10% 87% 12% ..



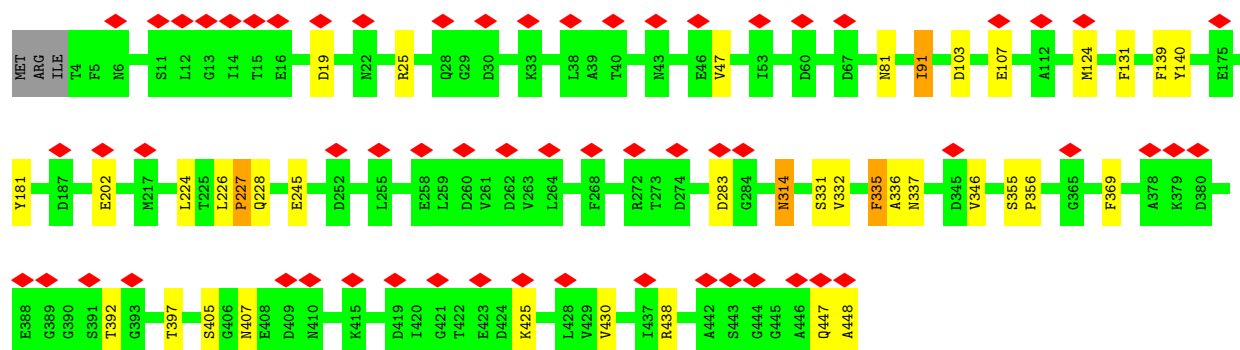
- Molecule 1: Major capsid protein

Chain 2R: 13% 88% 11% ..



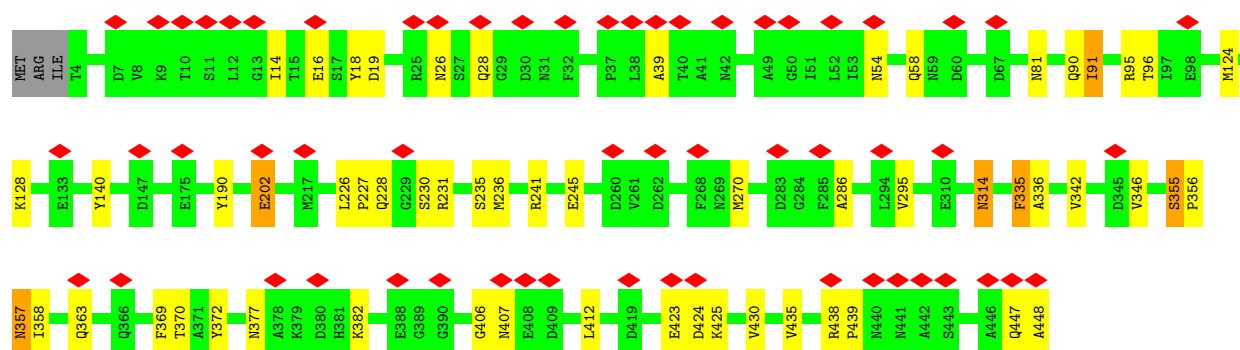
- Molecule 1: Major capsid protein

Chain 2S:  14% 91% 8% ..



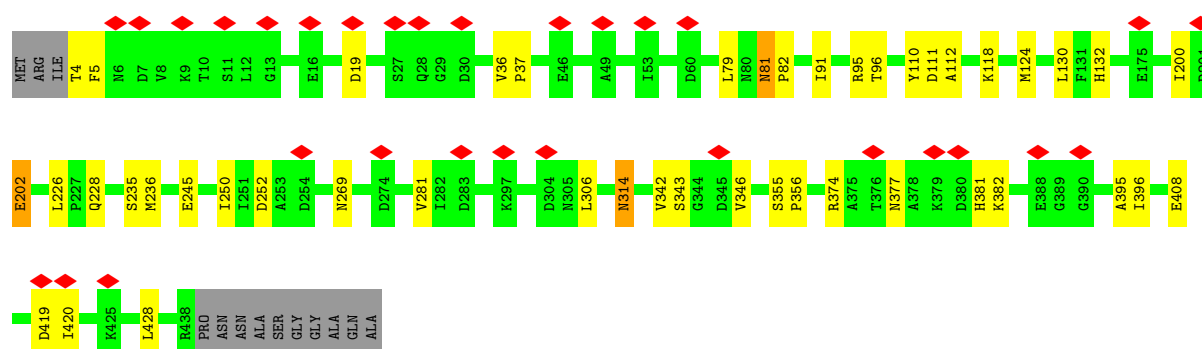
• Molecule 1: Major capsid protein

Chain 2T:  13% 86% 12% ..



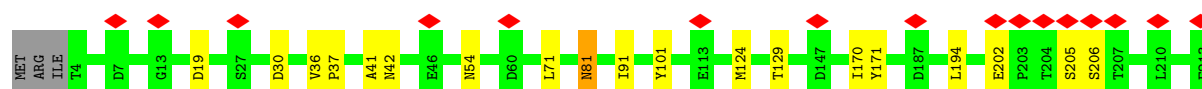
• Molecule 1: Major capsid protein

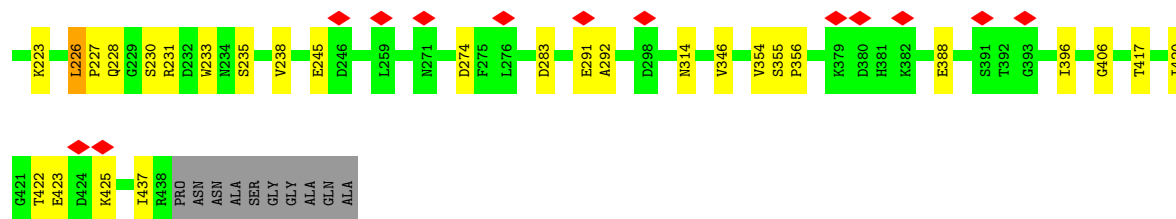
Chain 3S:  7% 87% 10% ..



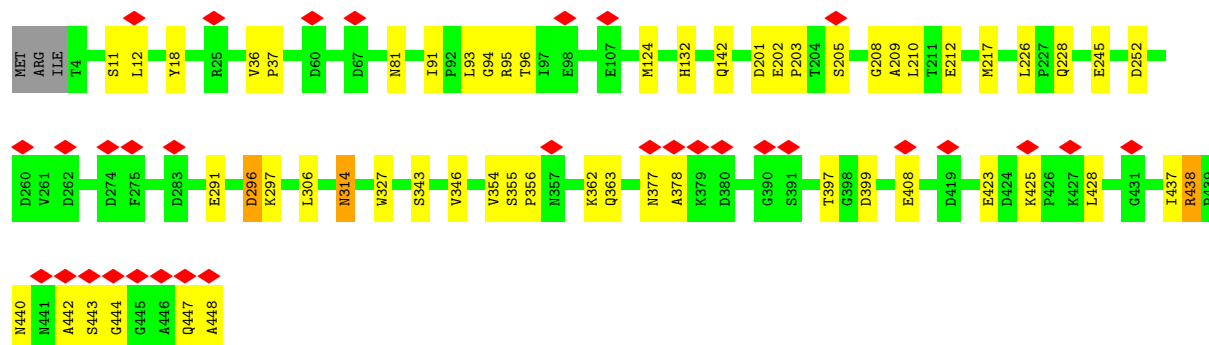
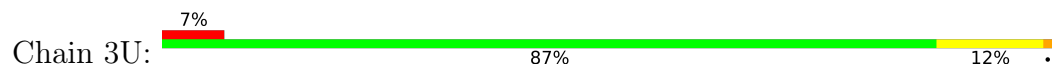
• Molecule 1: Major capsid protein

Chain 3T:  6% 87% 10% .

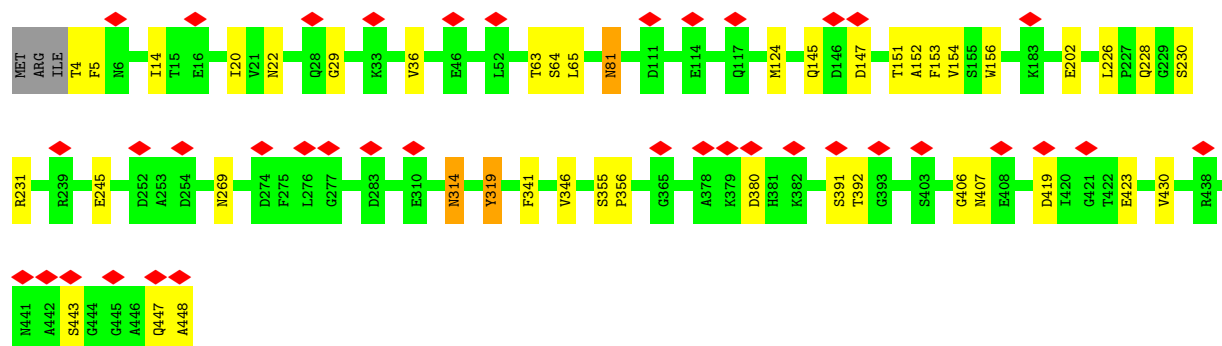
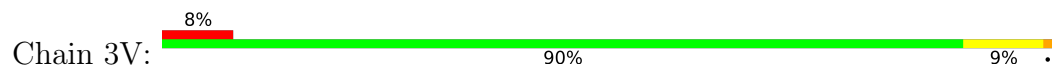




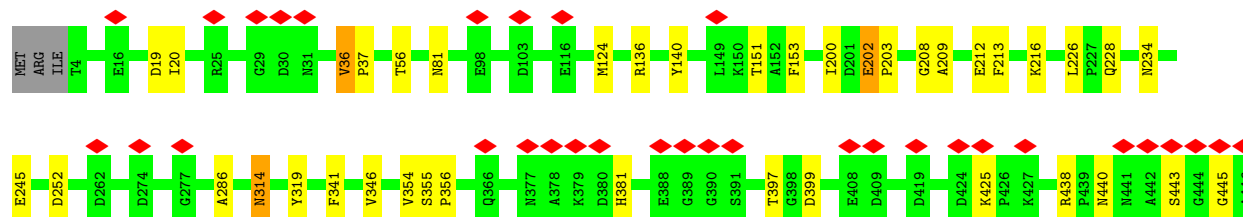
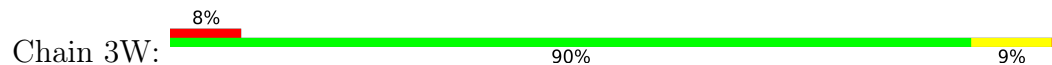
- Molecule 1: Major capsid protein



- Molecule 1: Major capsid protein

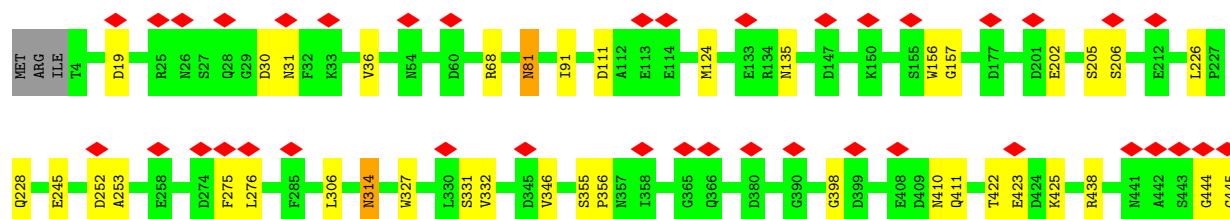
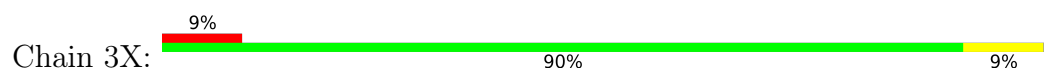


- Molecule 1: Major capsid protein

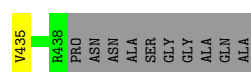
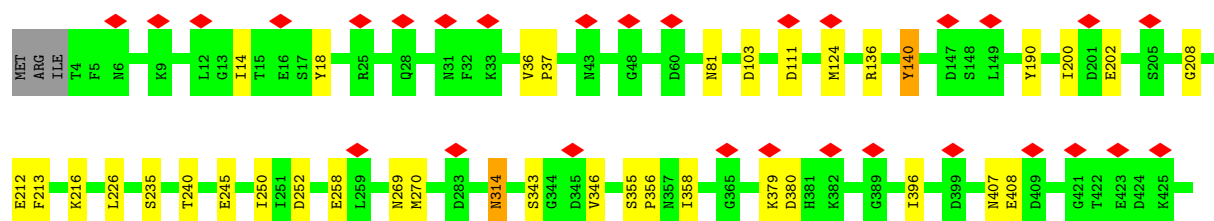
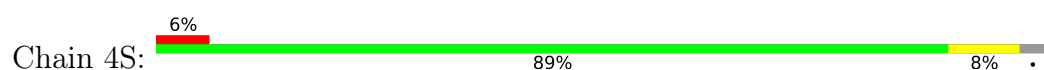




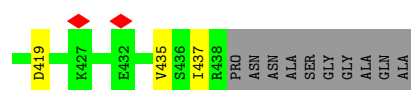
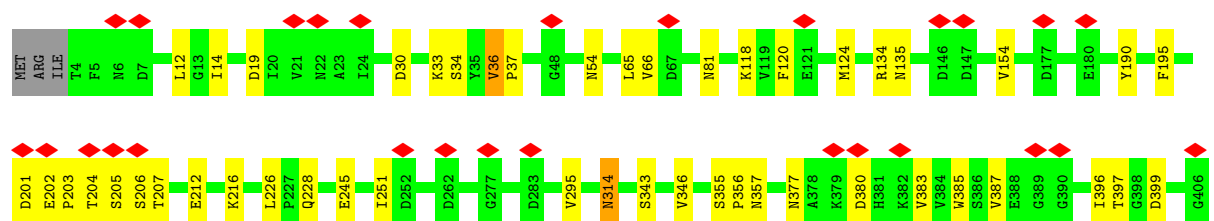
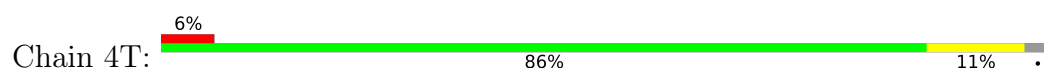
- Molecule 1: Major capsid protein



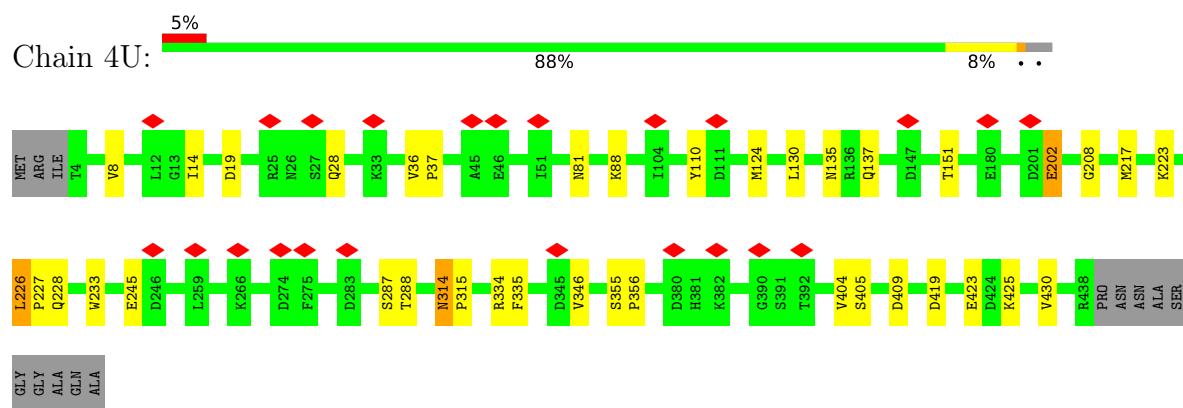
- Molecule 1: Major capsid protein



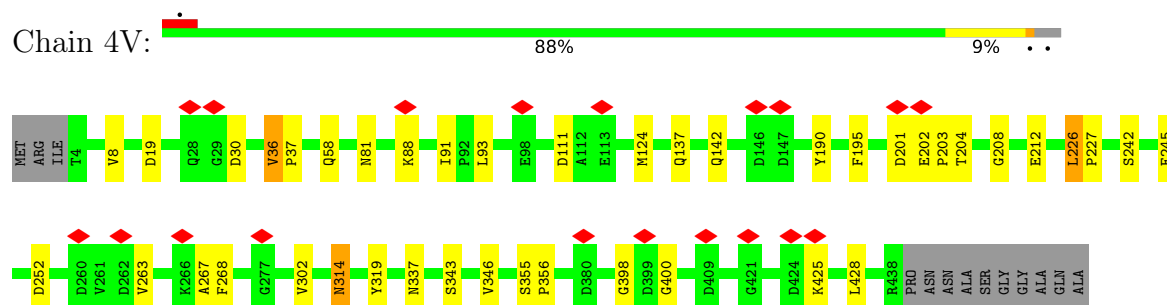
- Molecule 1: Major capsid protein



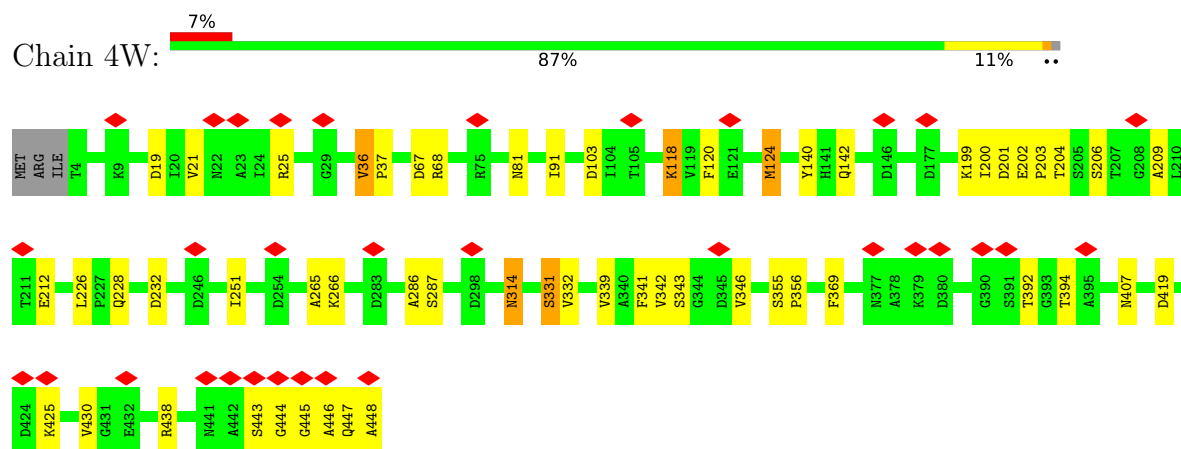
- Molecule 1: Major capsid protein



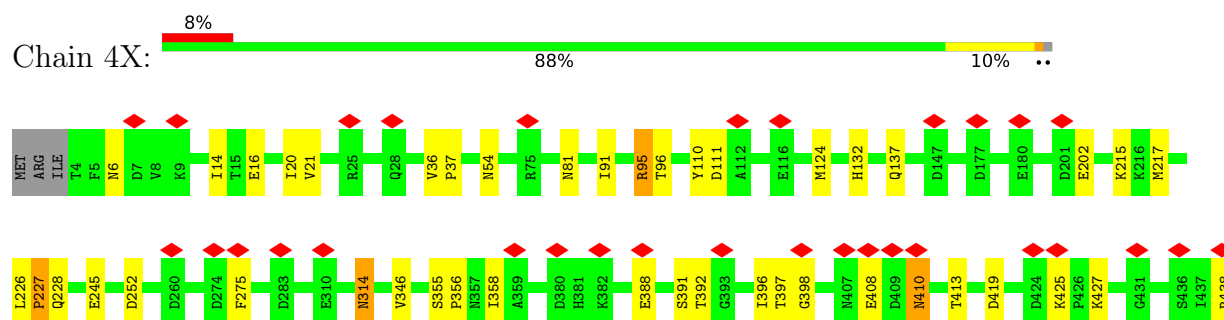
- Molecule 1: Major capsid protein

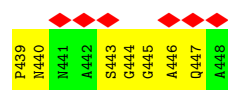


- Molecule 1: Major capsid protein

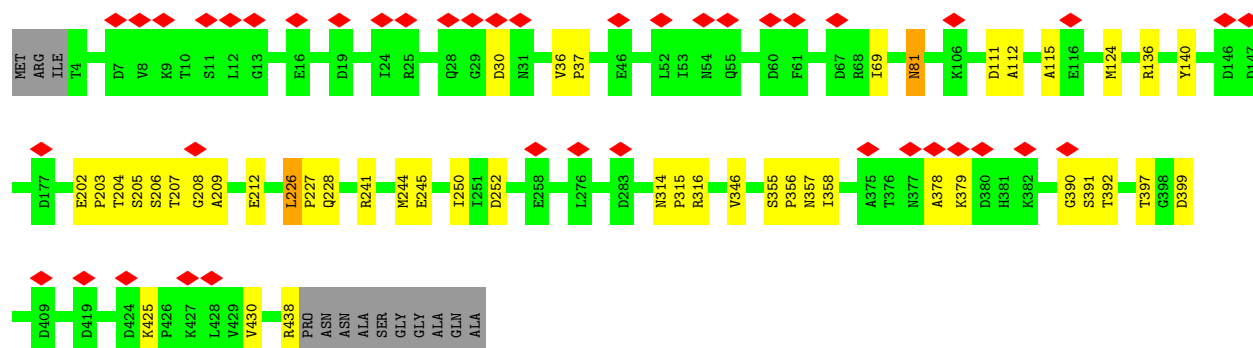
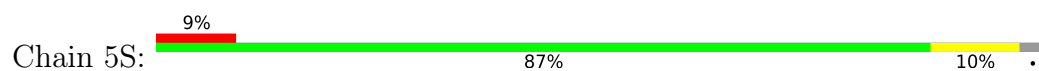


- Molecule 1: Major capsid protein

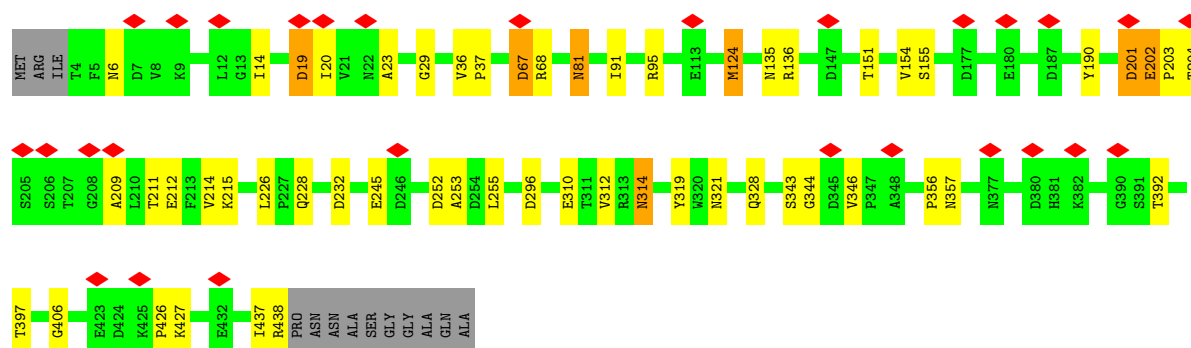
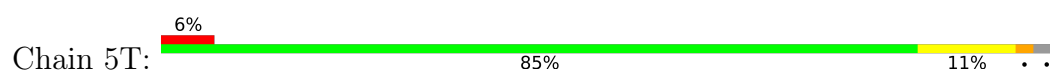




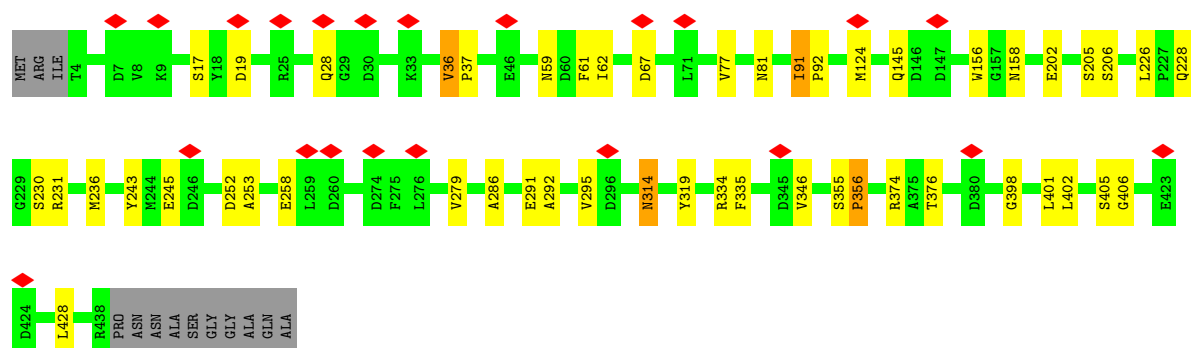
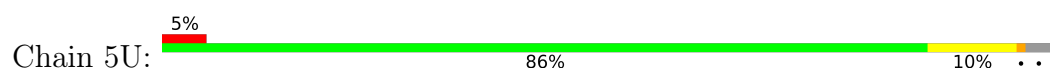
- Molecule 1: Major capsid protein



- Molecule 1: Major capsid protein

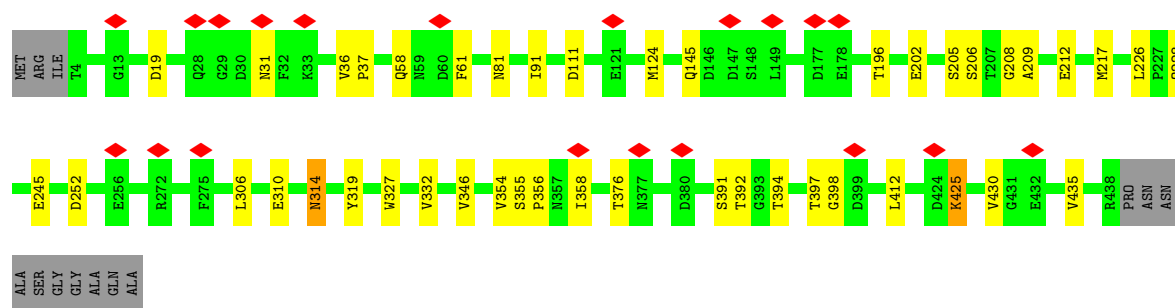


- Molecule 1: Major capsid protein



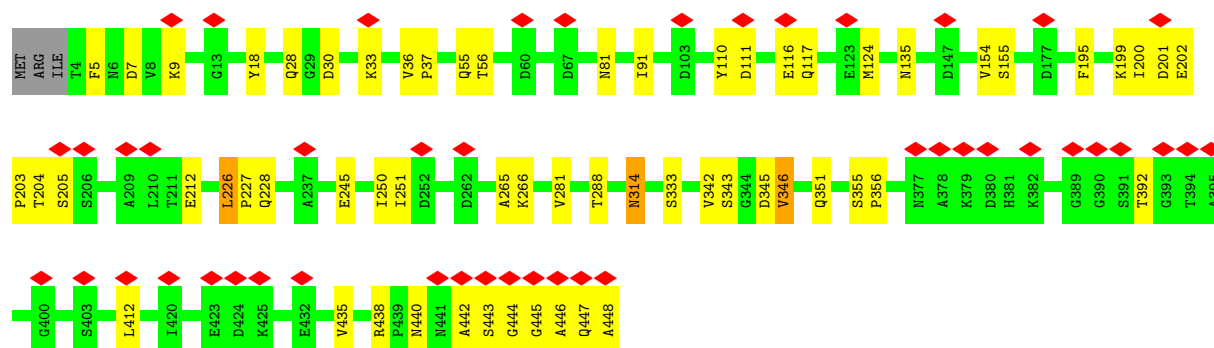
- Molecule 1: Major capsid protein

Chain 5V:  87% 9%



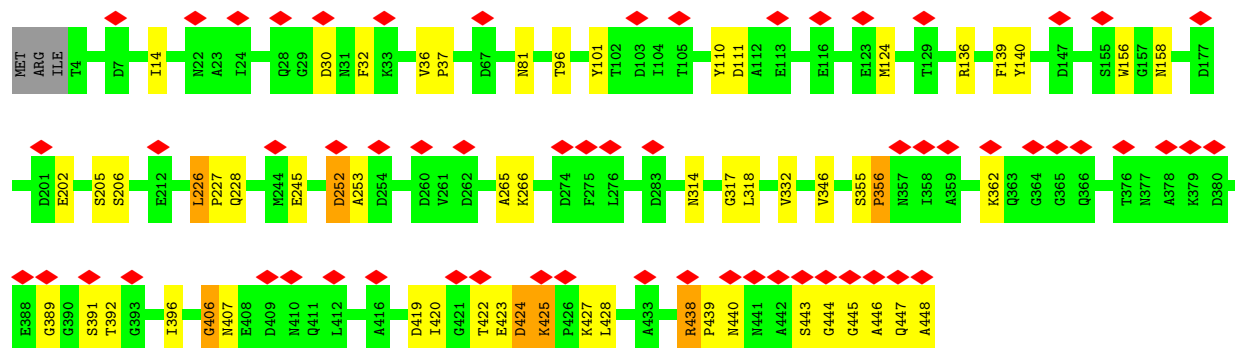
- Molecule 1: Major capsid protein

Chain 5W:  10% 86% 13%

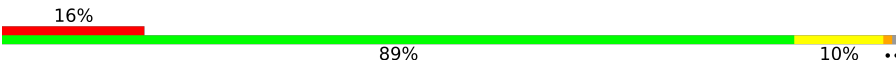


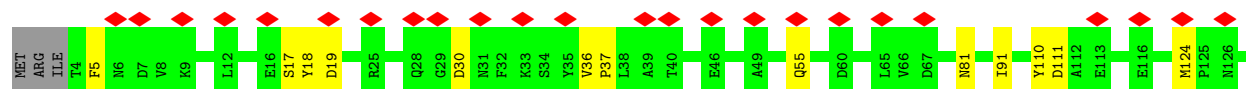
- Molecule 1: Major capsid protein

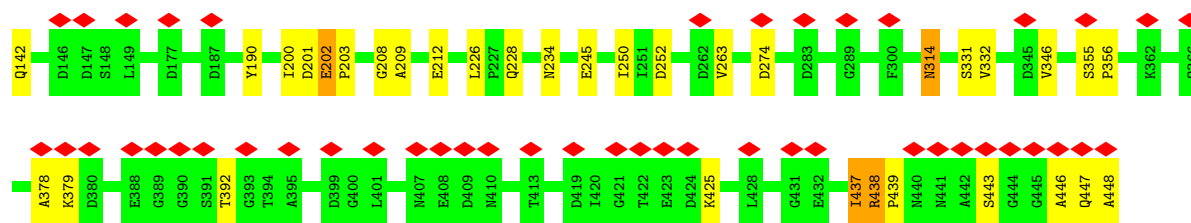
Chain 5X:  14% 86% 11%



- Molecule 1: Major capsid protein

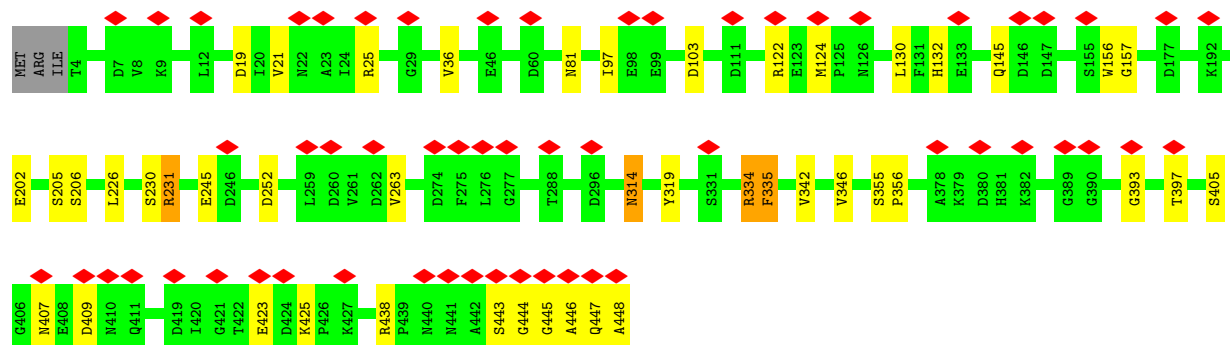
Chain 6S:  16% 89% 10%





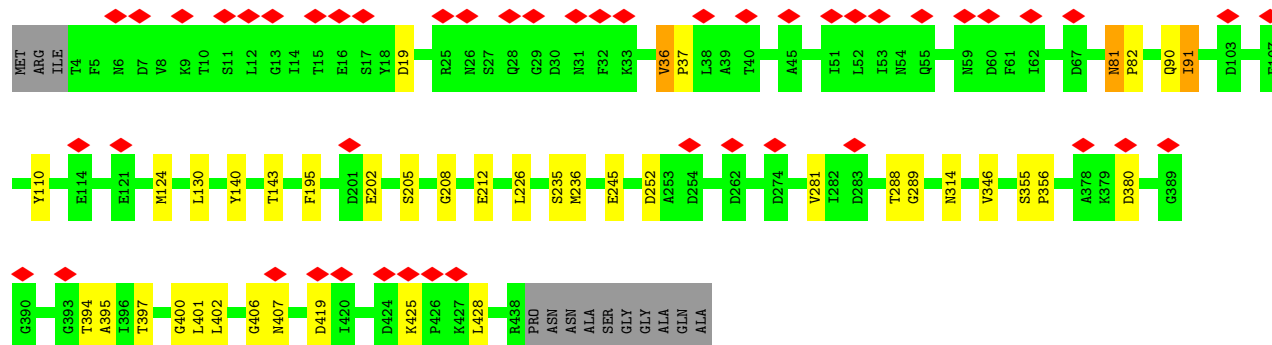
• Molecule 1: Major capsid protein

Chain 6T: 13% 89% 9% ..



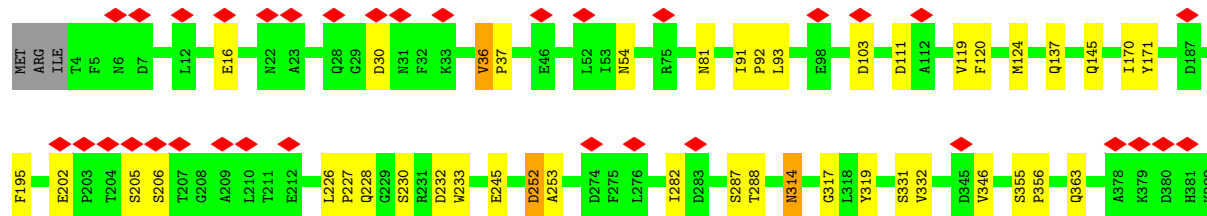
• Molecule 1: Major capsid protein

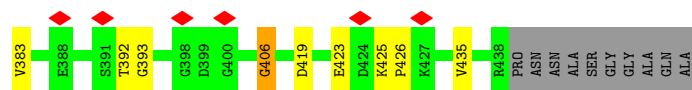
Chain 6U: 11% 88% 8% ..



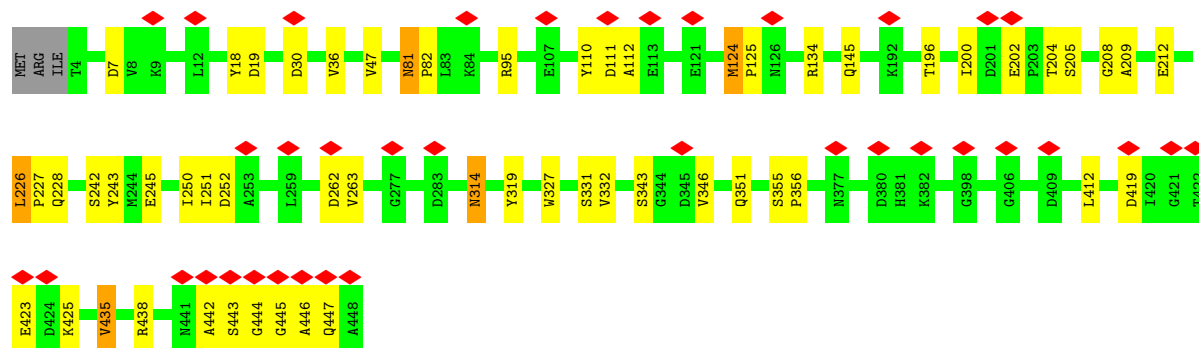
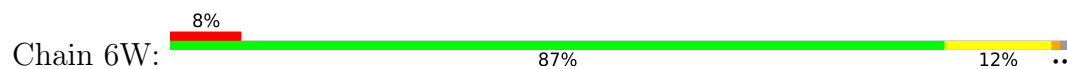
• Molecule 1: Major capsid protein

Chain 6V: 9% 85% 11% ..

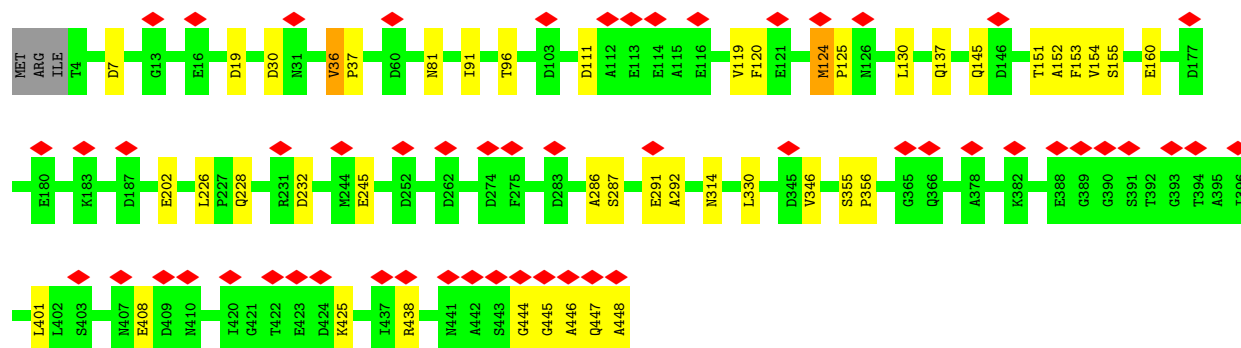
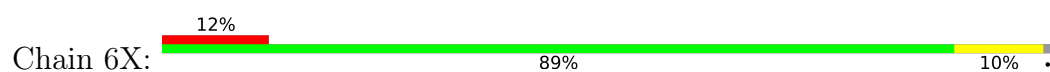




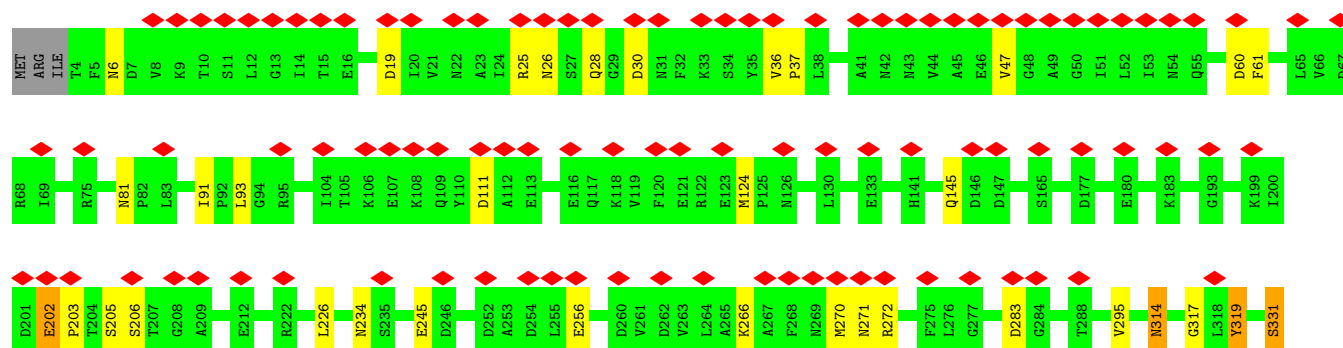
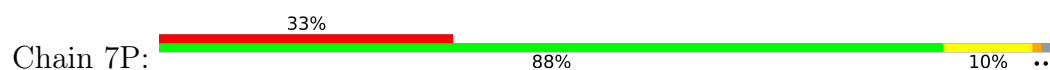
• Molecule 1: Major capsid protein

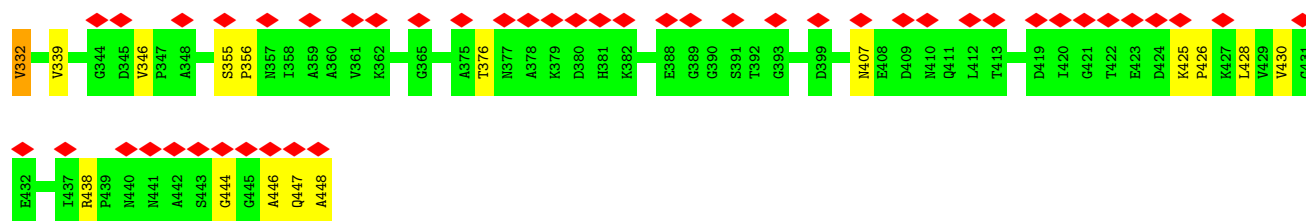


• Molecule 1: Major capsid protein

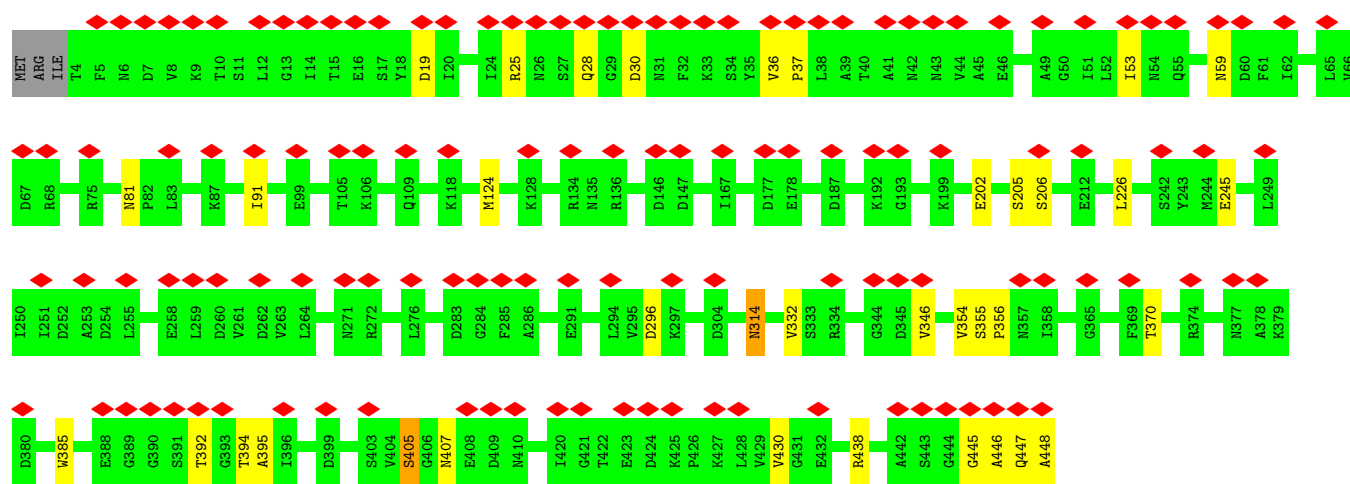
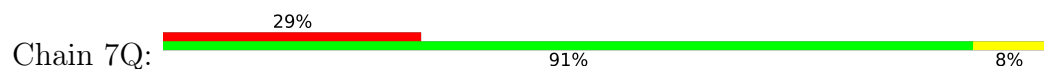


• Molecule 1: Major capsid protein

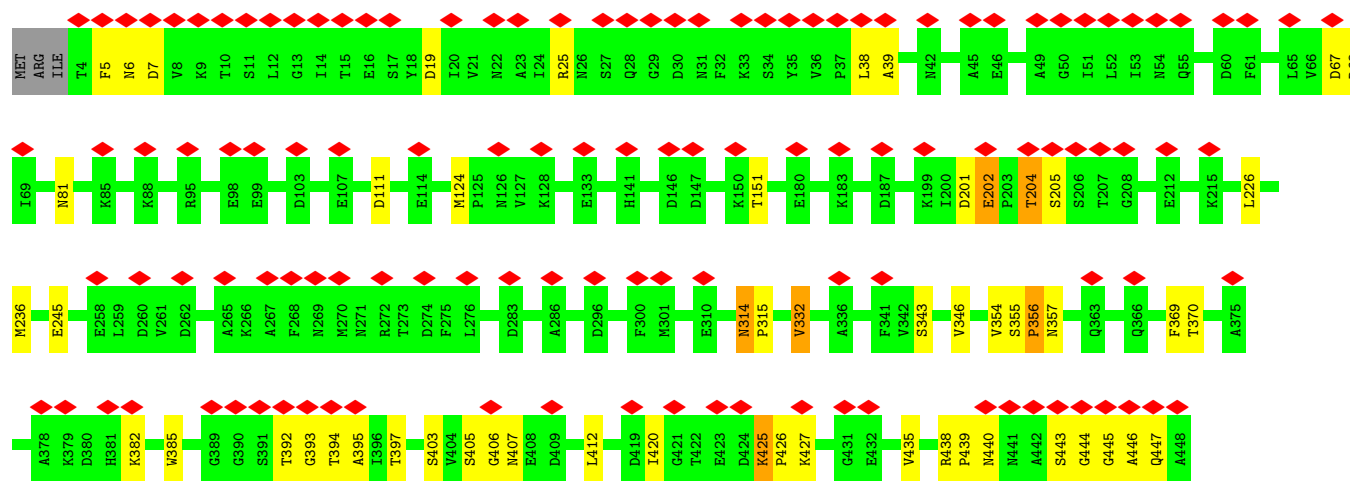
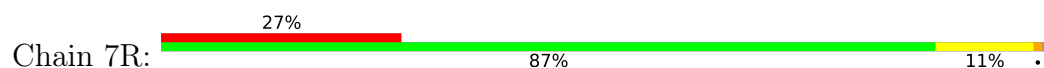




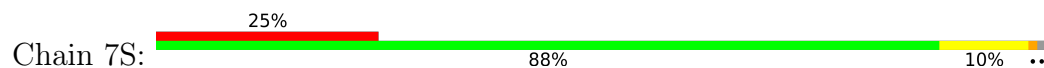
• Molecule 1: Major capsid protein

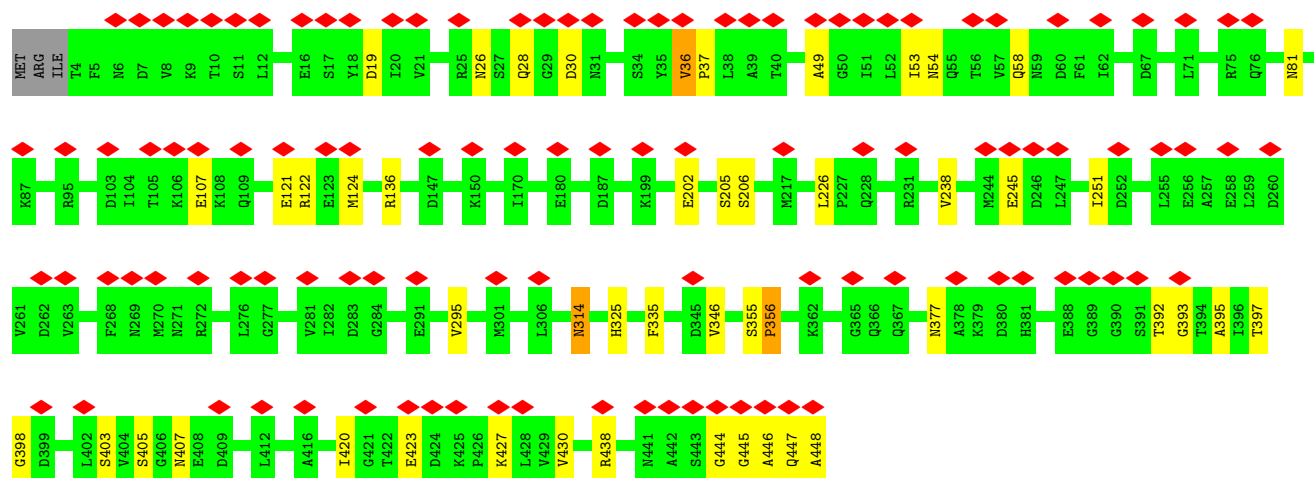


• Molecule 1: Major capsid protein



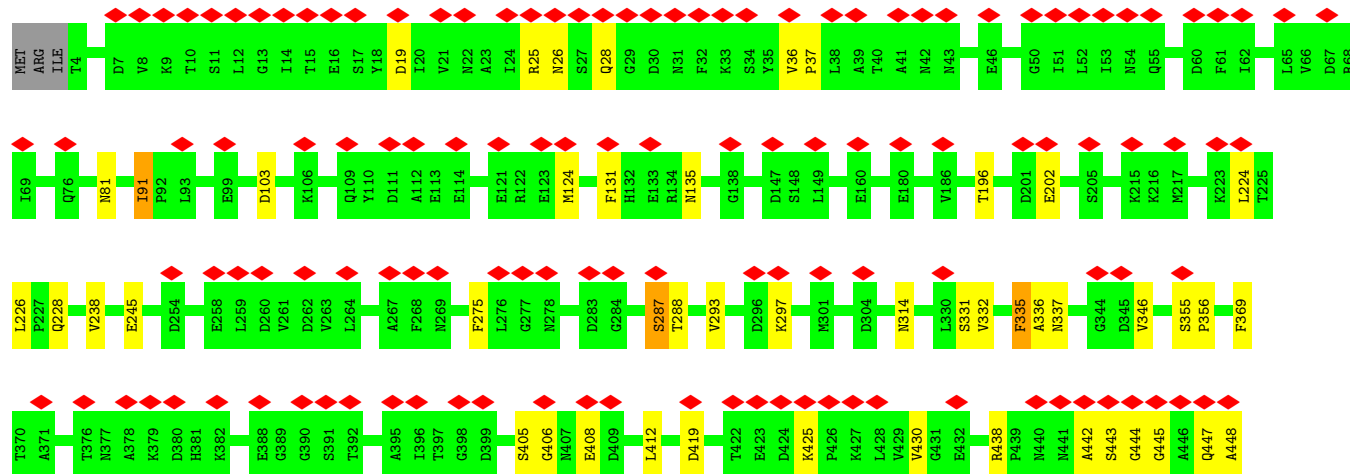
• Molecule 1: Major capsid protein





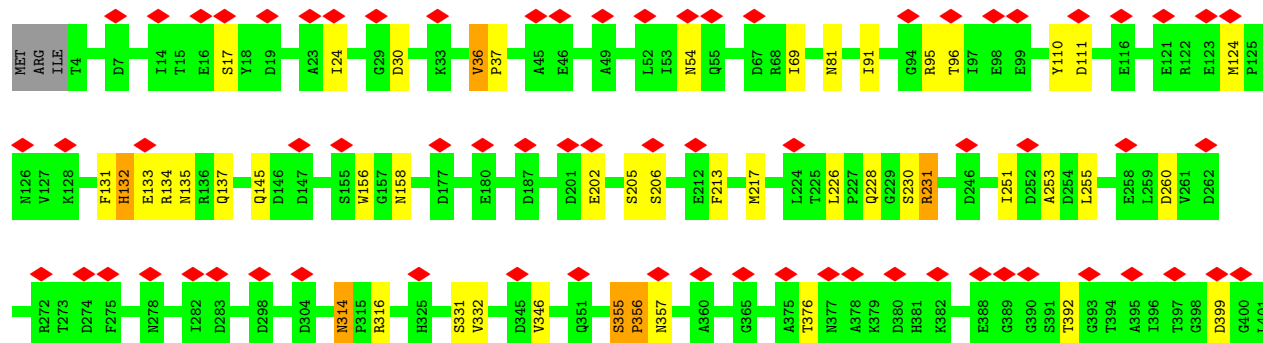
• Molecule 1: Major capsid protein

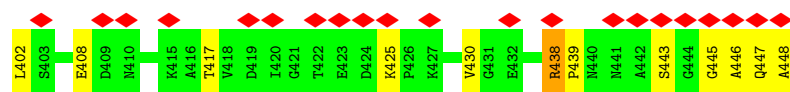
Chain 7T: 29% 89% 10% ..



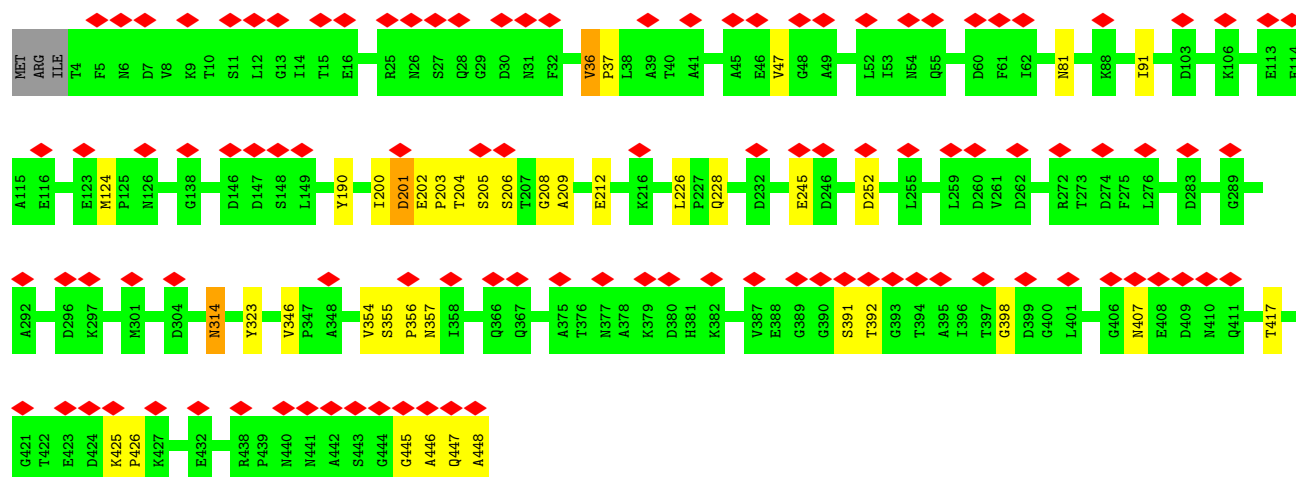
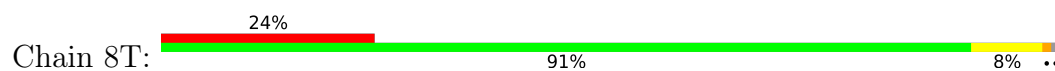
• Molecule 1: Major capsid protein

Chain 8S: 20% 86% 12% ..

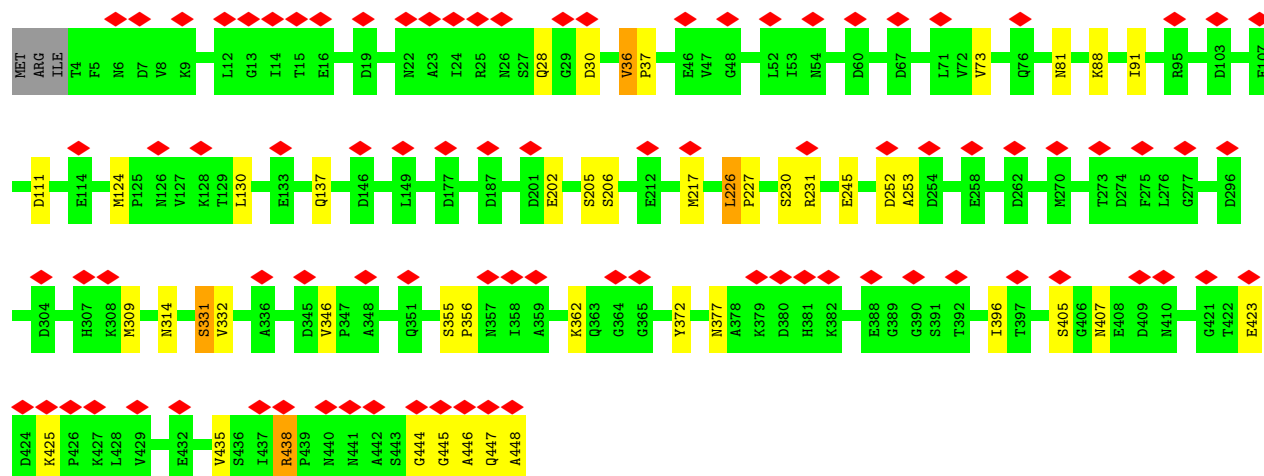
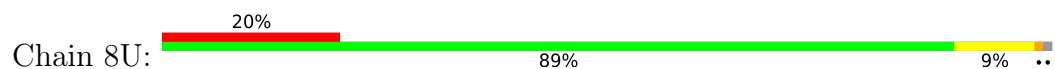




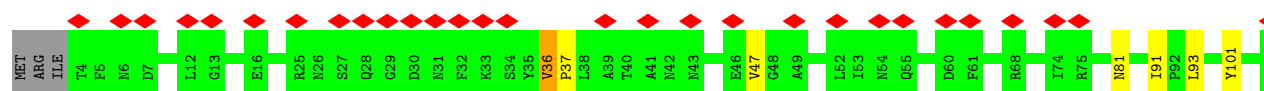
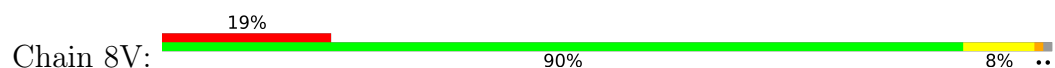
• Molecule 1: Major capsid protein

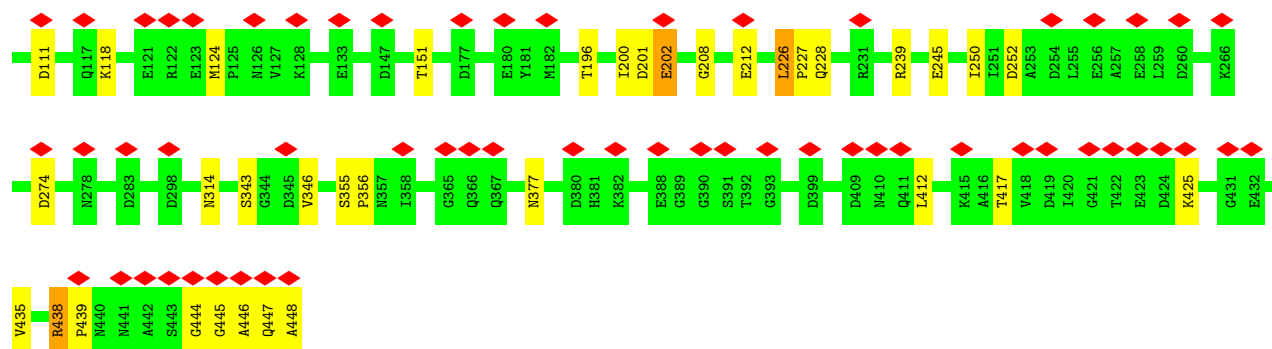


• Molecule 1: Major capsid protein

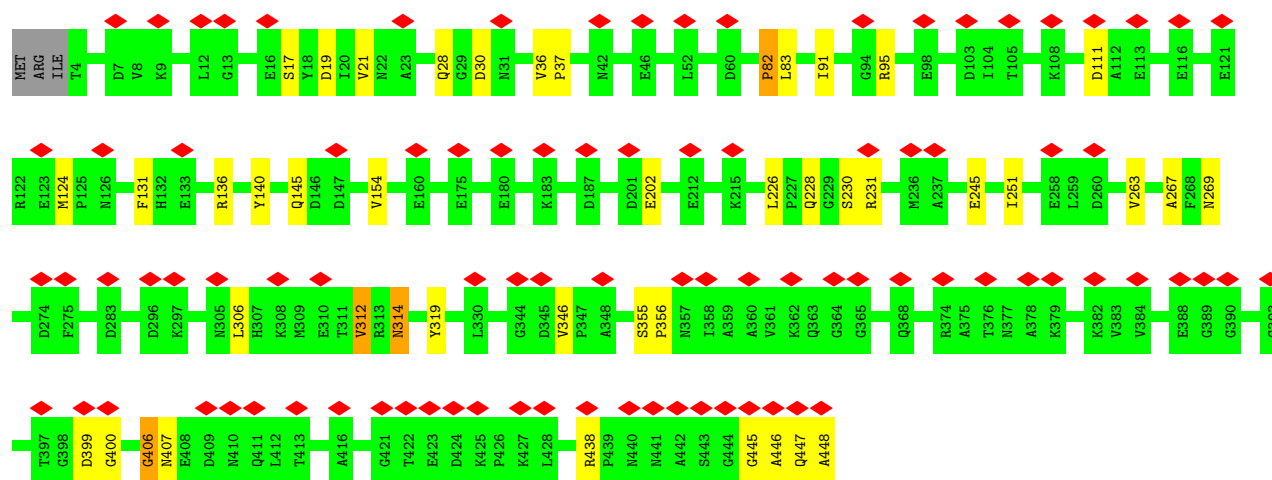
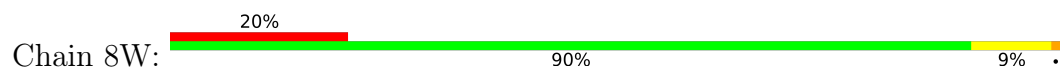


• Molecule 1: Major capsid protein

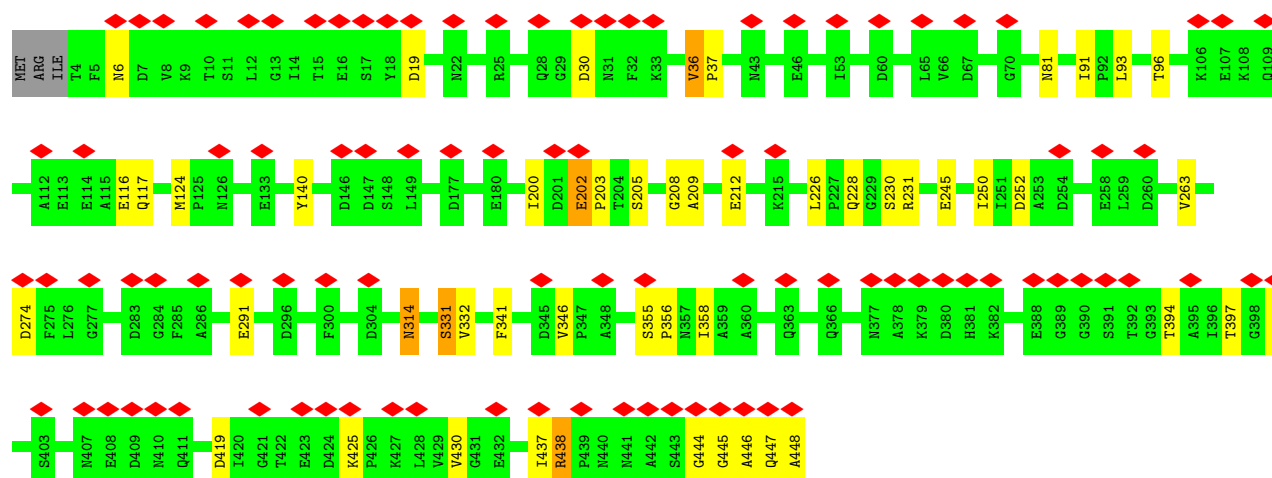
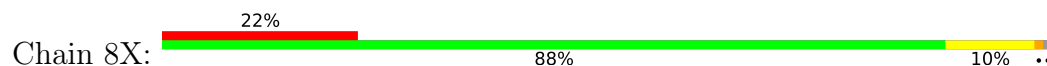




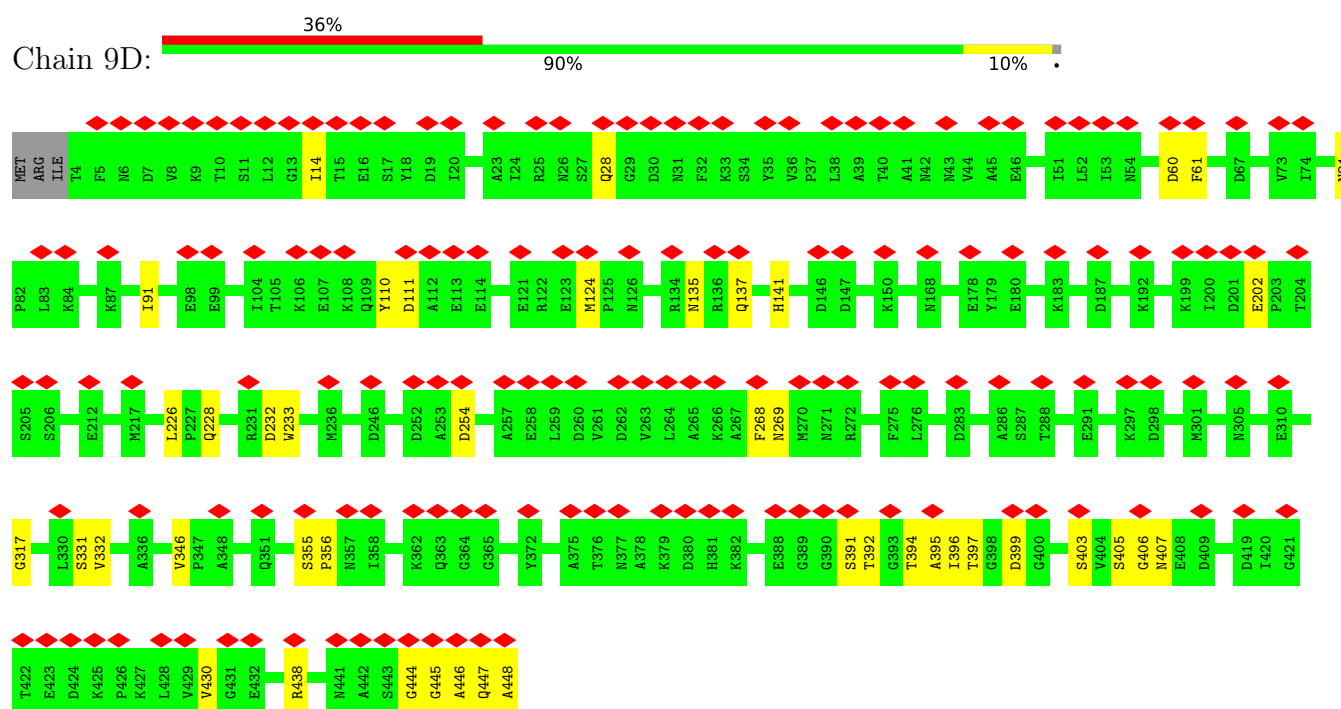
• Molecule 1: Major capsid protein



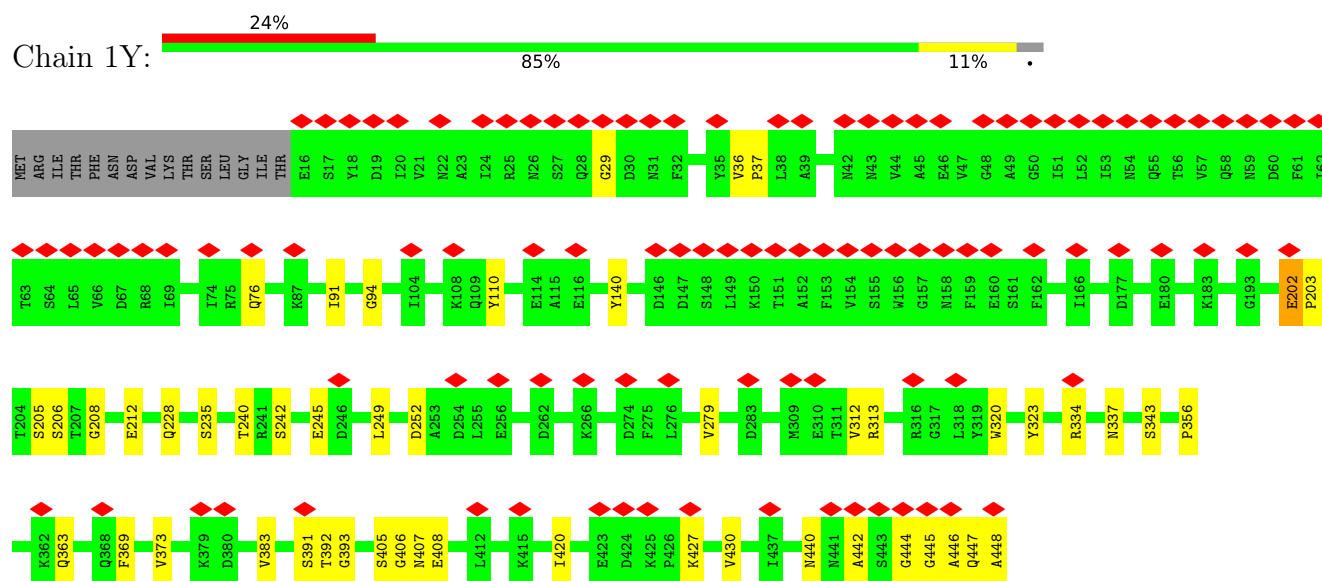
• Molecule 1: Major capsid protein



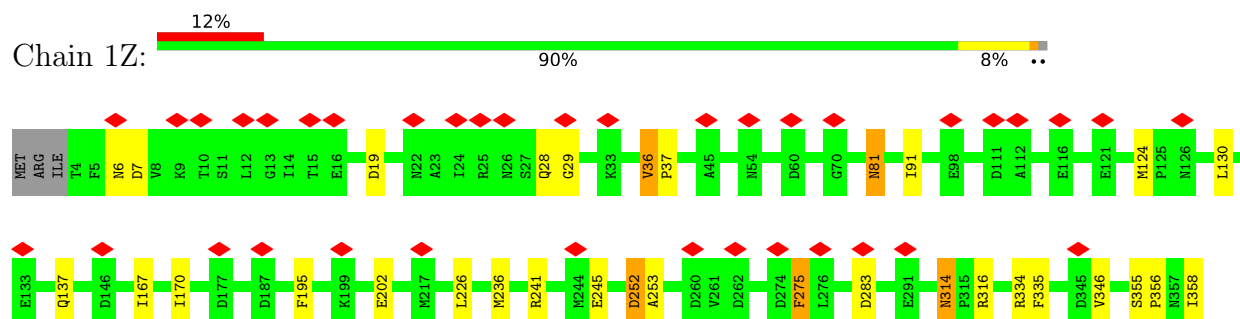
• Molecule 1: Major capsid protein

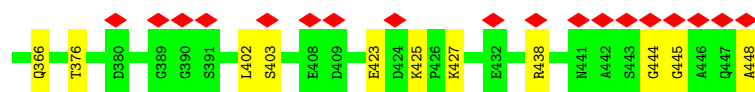


- Molecule 1: Major capsid protein



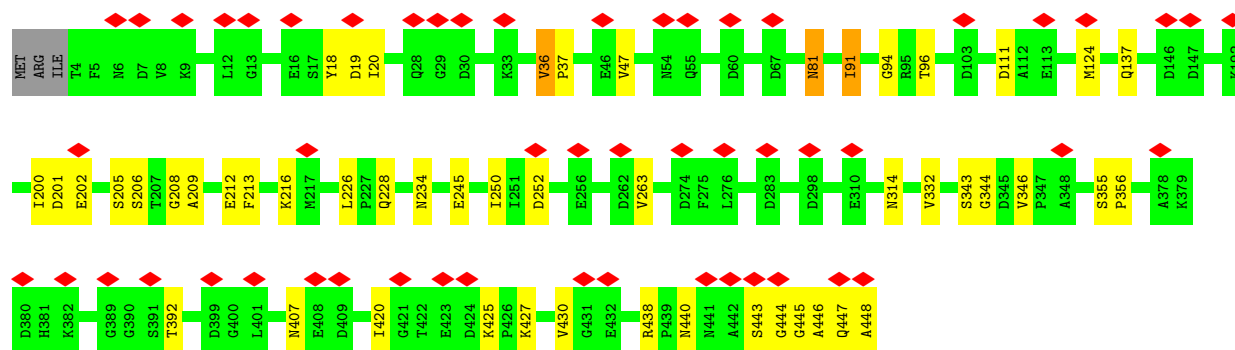
- Molecule 1: Major capsid protein





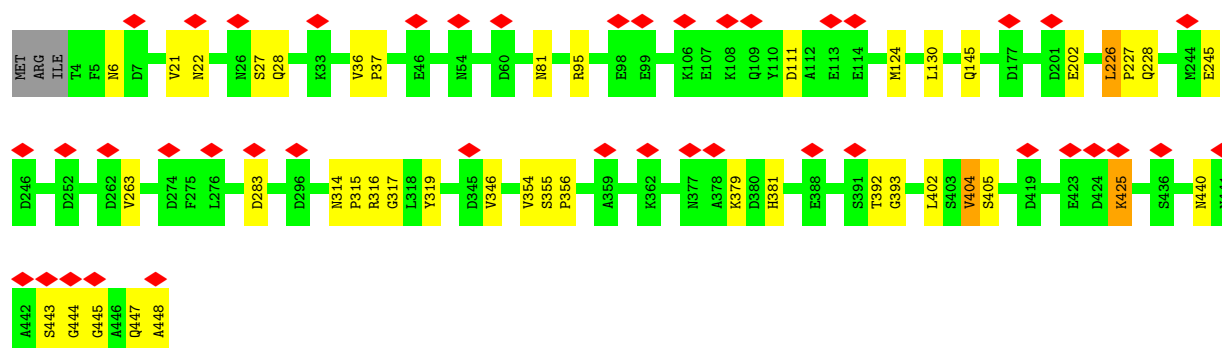
• Molecule 1: Major capsid protein

Chain 1a: 12% 88% 11% ..



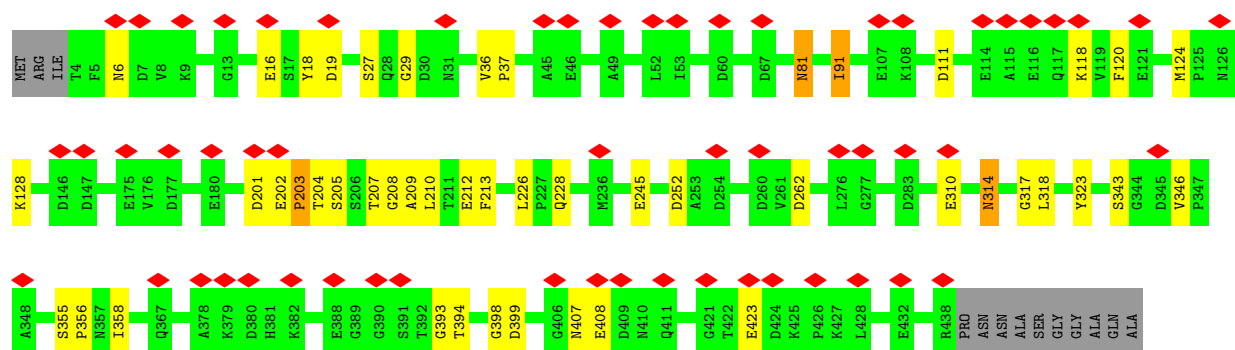
• Molecule 1: Major capsid protein

Chain 1b: 9% 90% 9% ..

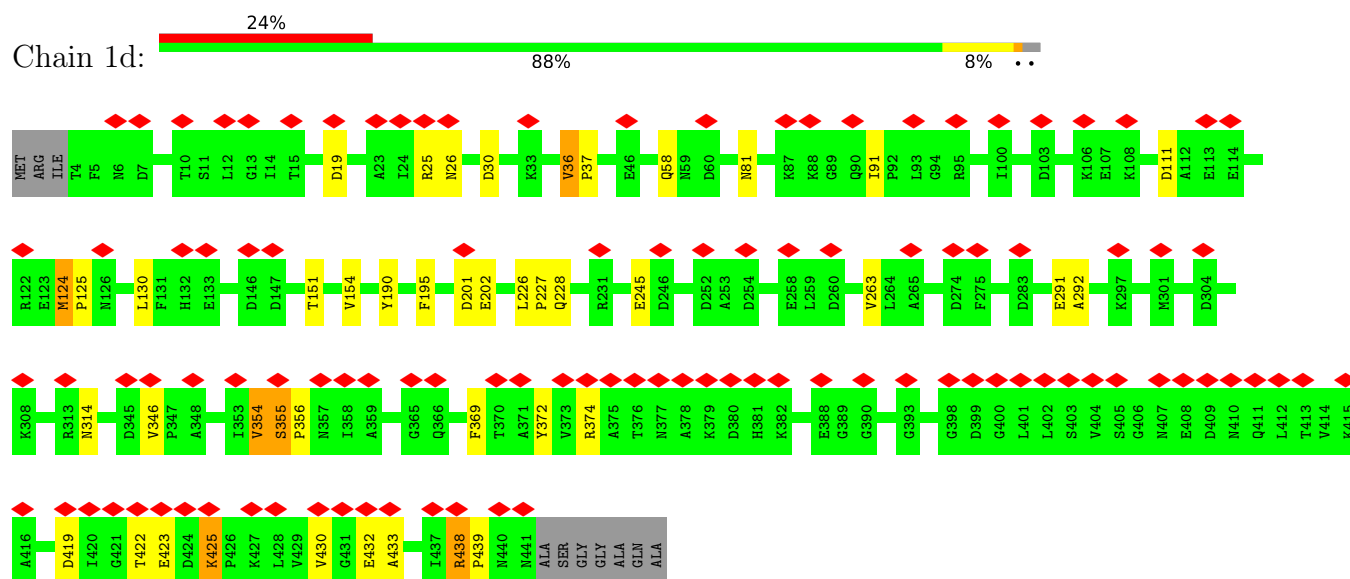


• Molecule 1: Major capsid protein

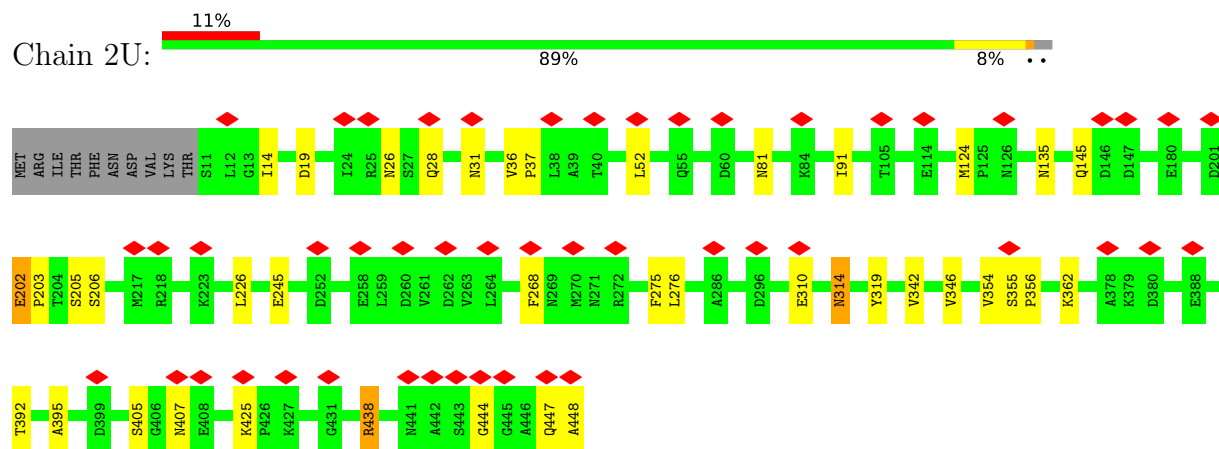
Chain 1c: 13% 86% 10% ..



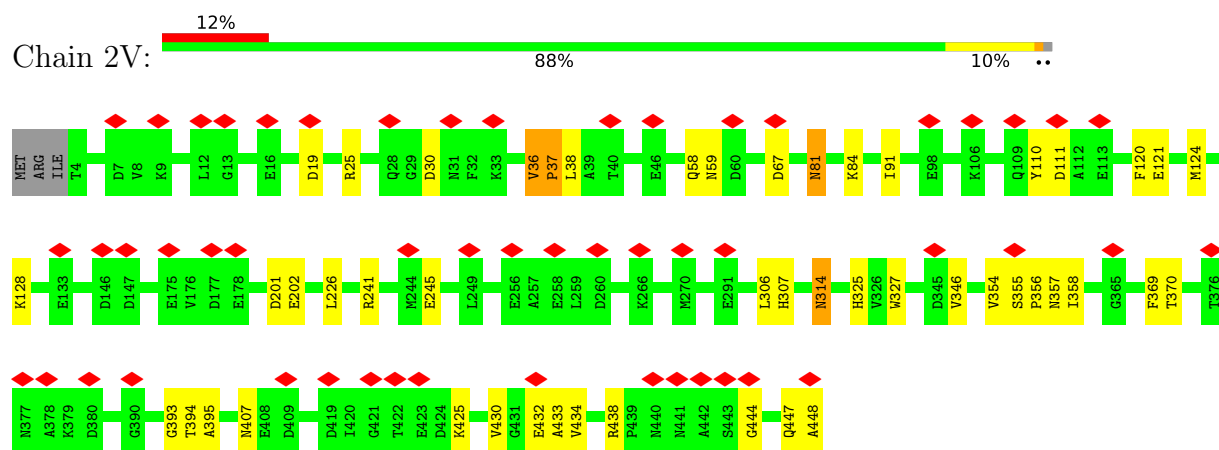
• Molecule 1: Major capsid protein



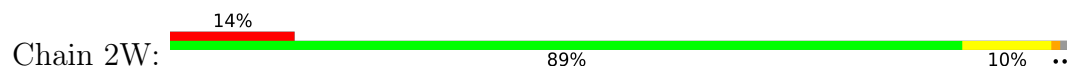
• Molecule 1: Major capsid protein

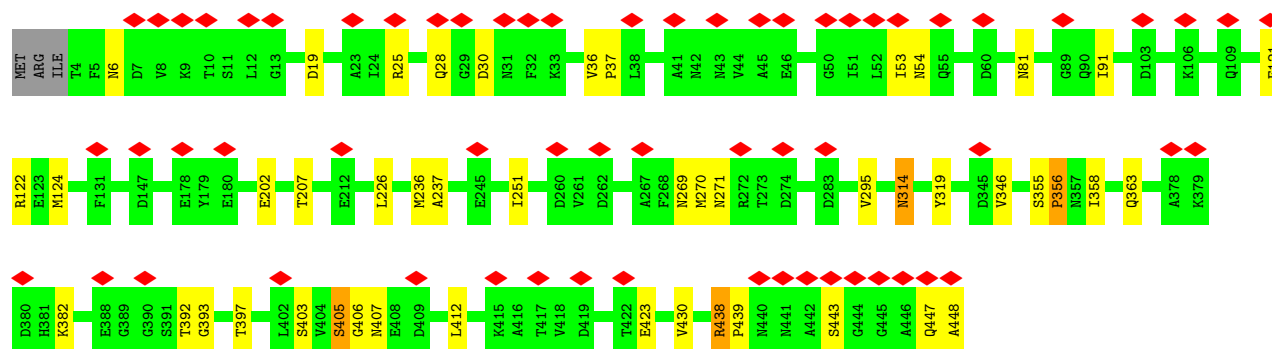


• Molecule 1: Major capsid protein



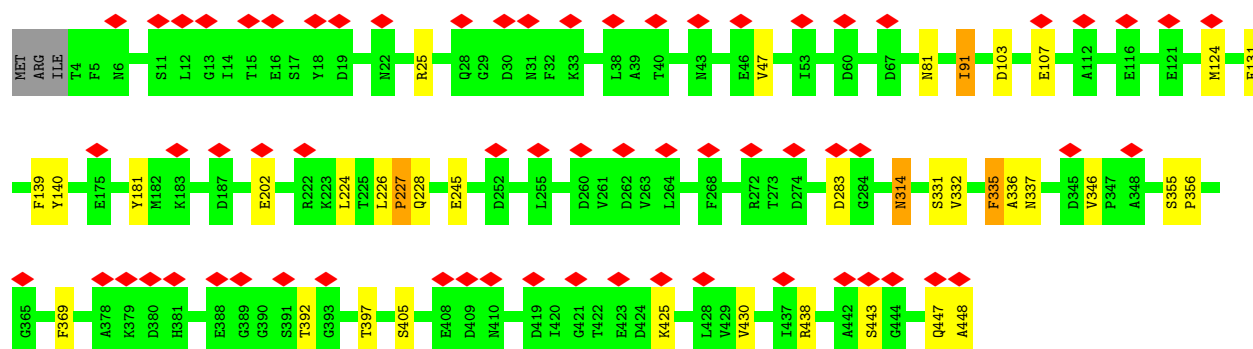
• Molecule 1: Major capsid protein





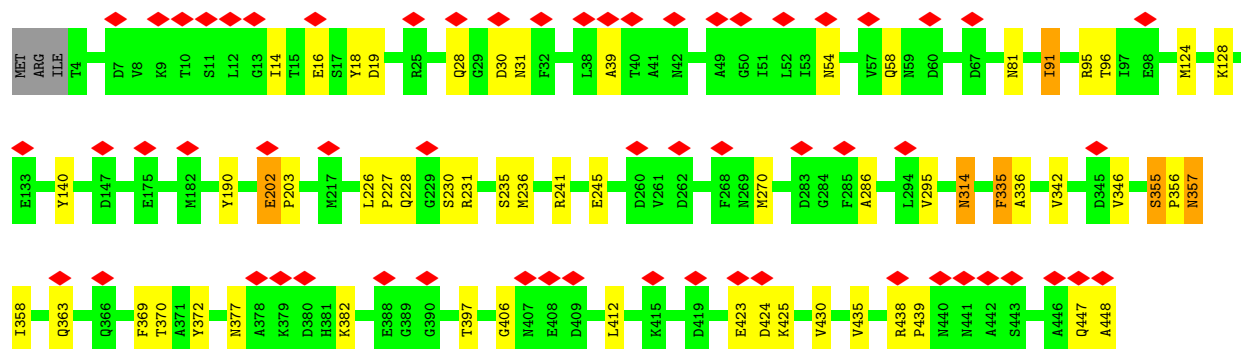
• Molecule 1: Major capsid protein

Chain 2X: 15% 91% 7% ..



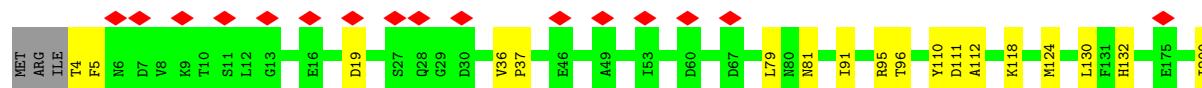
• Molecule 1: Major capsid protein

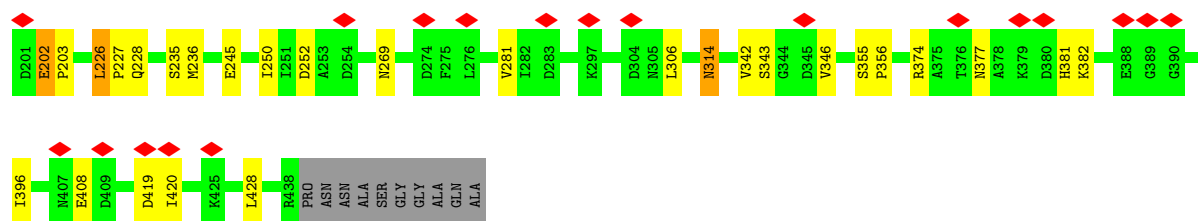
Chain 2Y: 13% 86% 12% ..



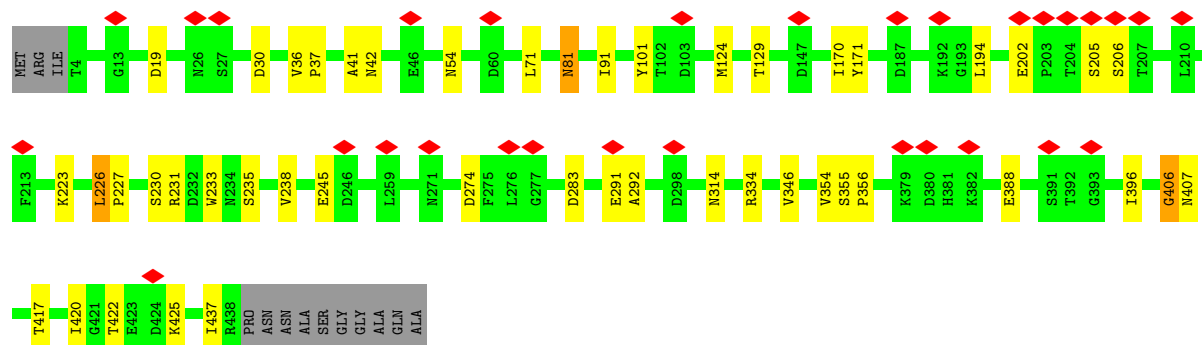
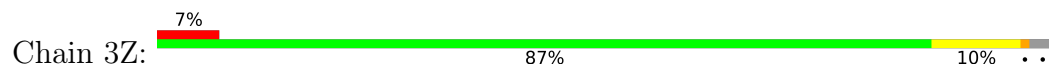
• Molecule 1: Major capsid protein

Chain 3Y: 8% 87% 10% ..

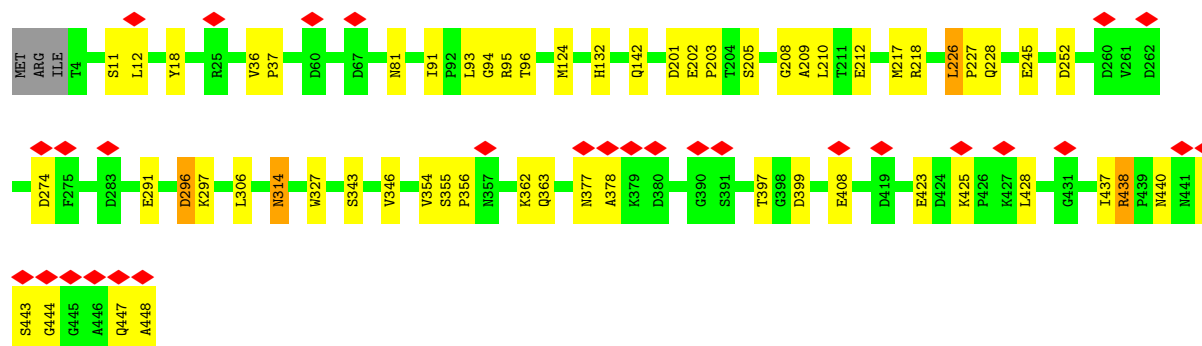
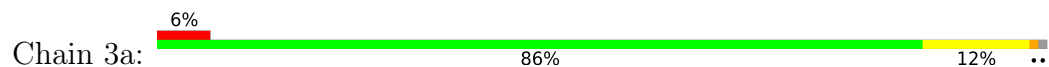




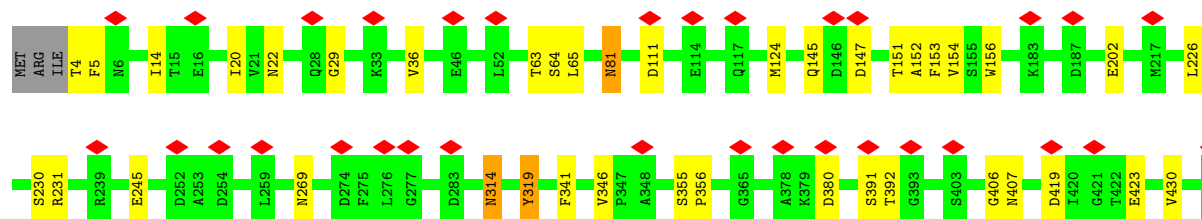
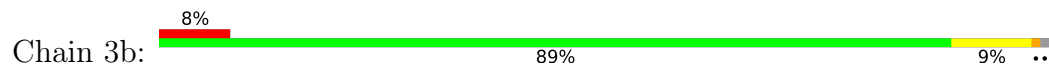
- Molecule 1: Major capsid protein

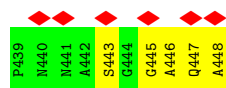


- Molecule 1: Major capsid protein

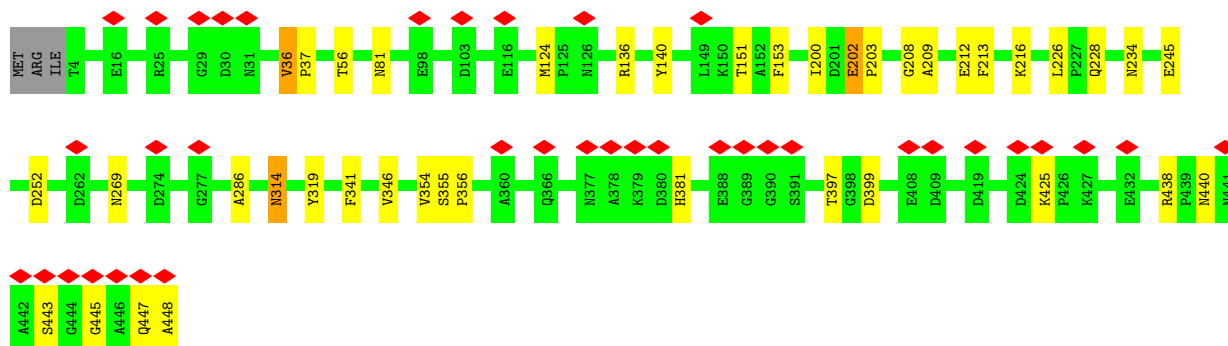
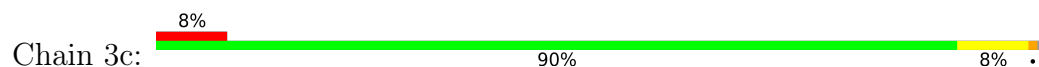


- Molecule 1: Major capsid protein

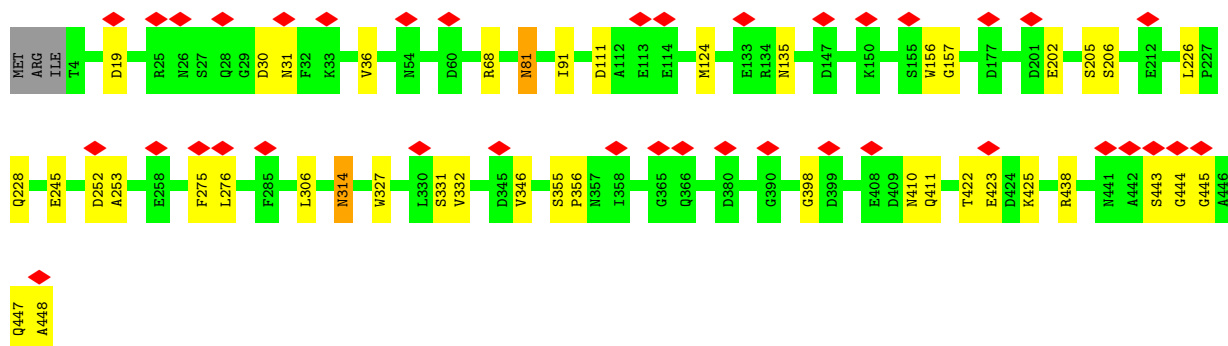
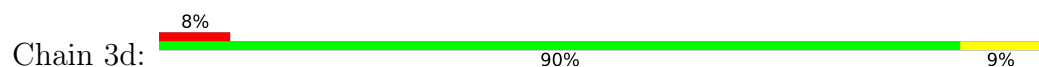




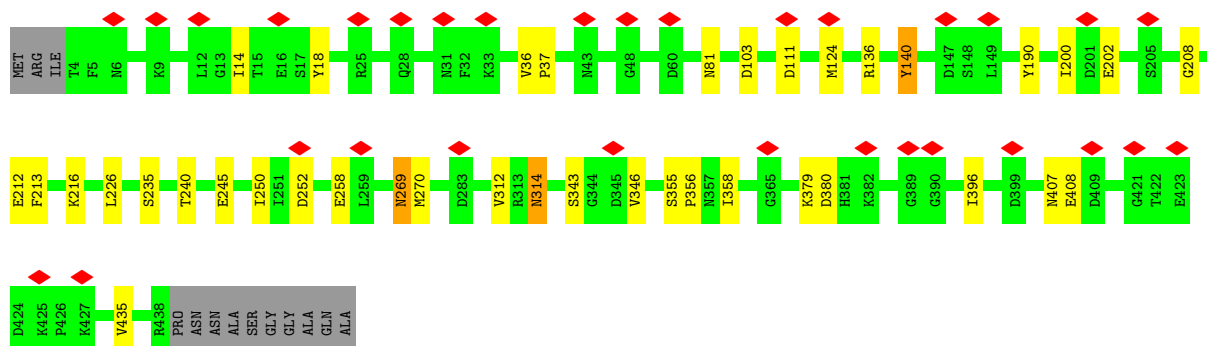
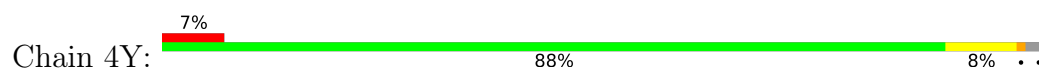
- Molecule 1: Major capsid protein



- Molecule 1: Major capsid protein

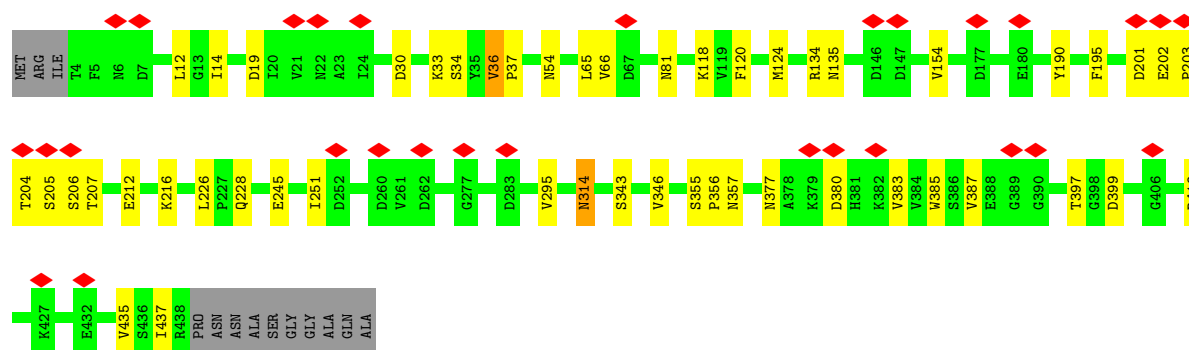


- Molecule 1: Major capsid protein



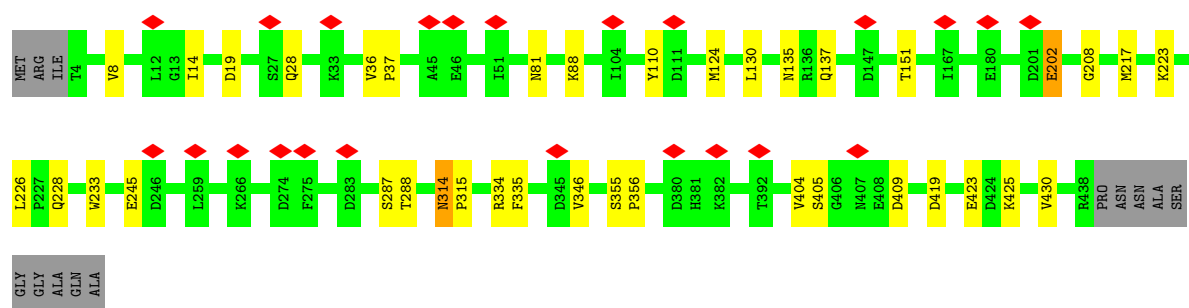
- Molecule 1: Major capsid protein

Chain 4Z: 



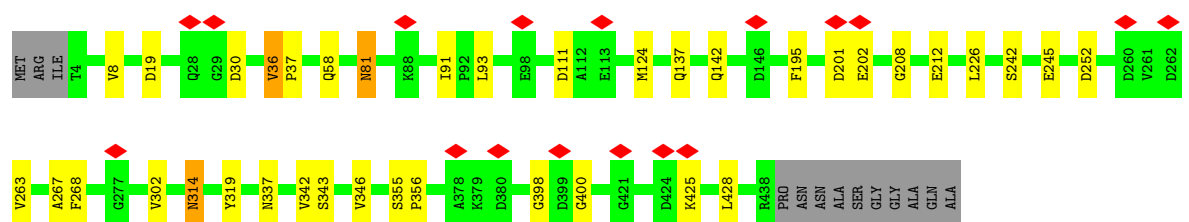
• Molecule 1: Major capsid protein

Chain 4a: 



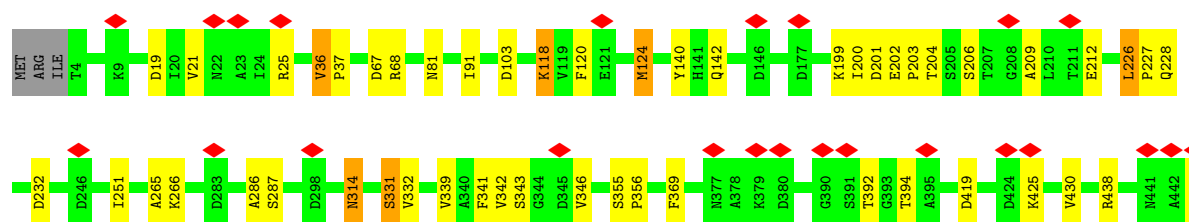
• Molecule 1: Major capsid protein

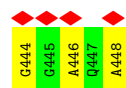
Chain 4b: 



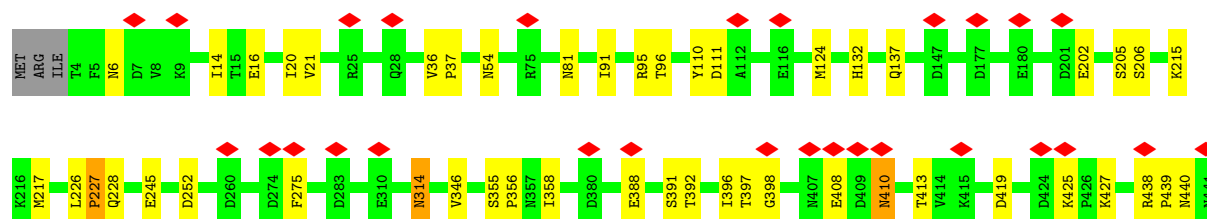
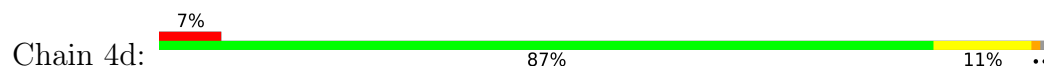
• Molecule 1: Major capsid protein

Chain 4c: 

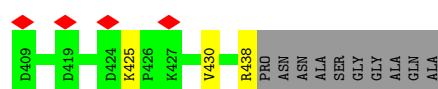
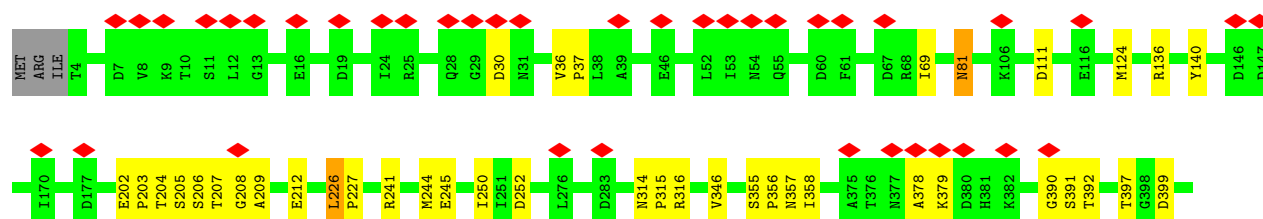
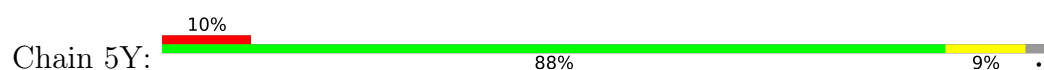




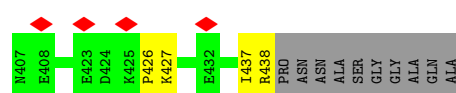
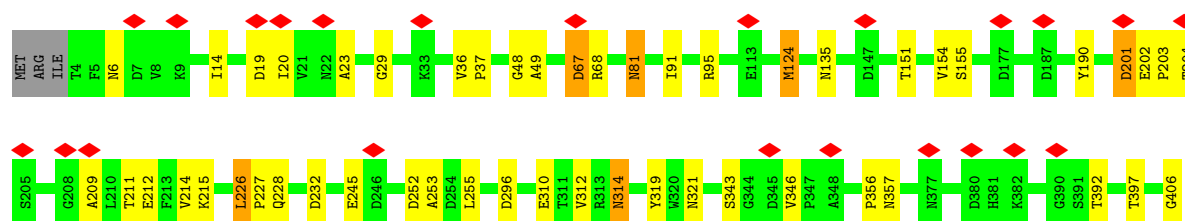
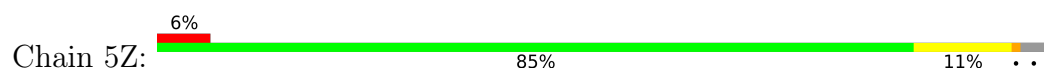
- Molecule 1: Major capsid protein



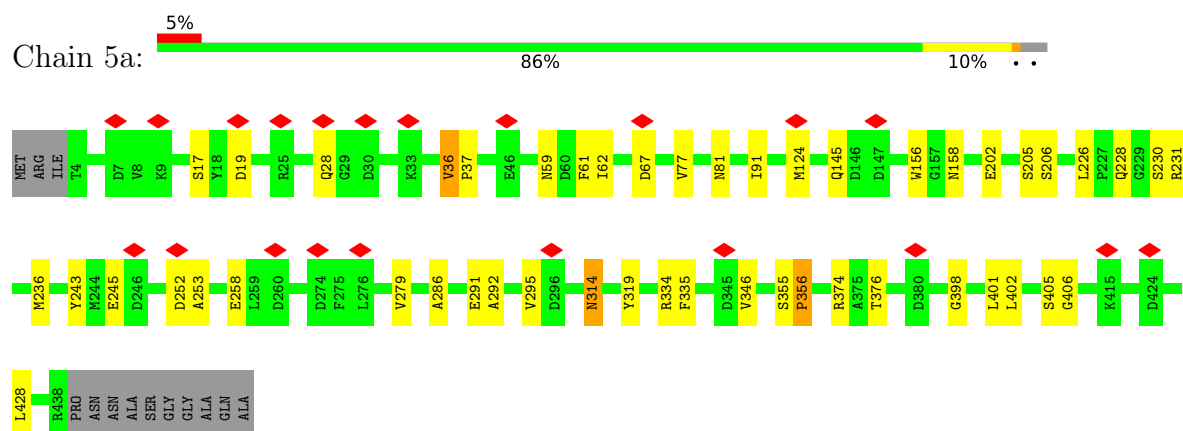
- Molecule 1: Major capsid protein



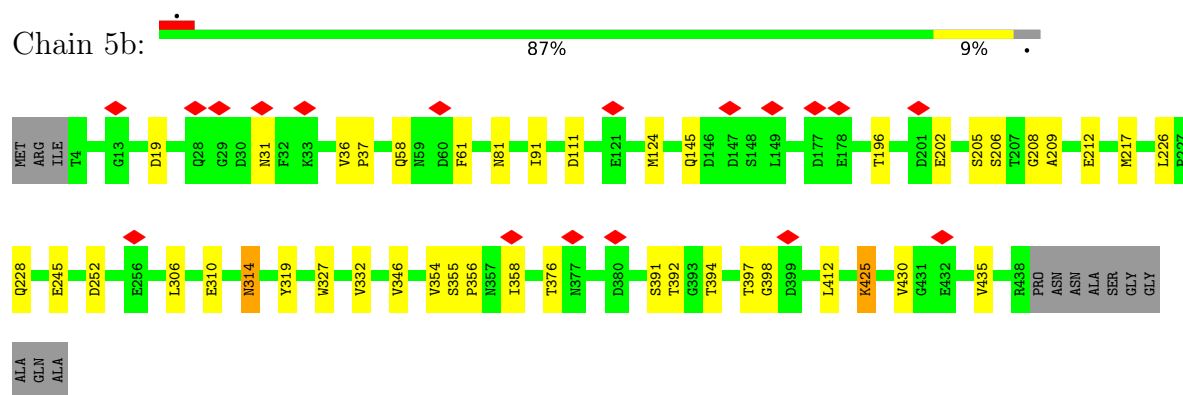
- Molecule 1: Major capsid protein



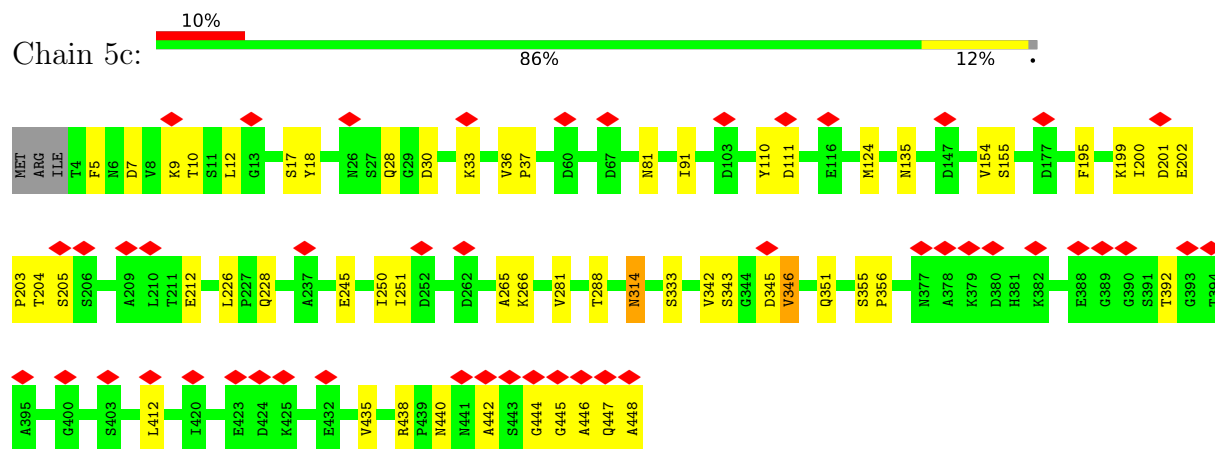
- Molecule 1: Major capsid protein



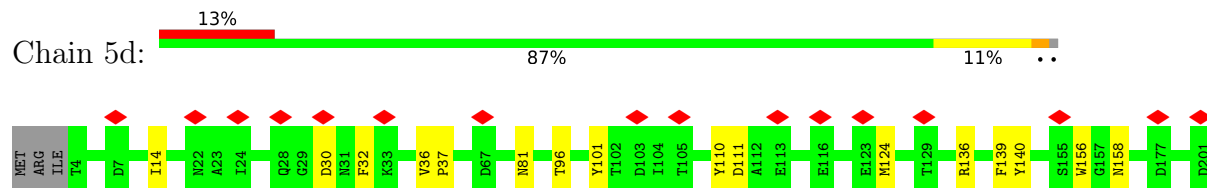
- Molecule 1: Major capsid protein

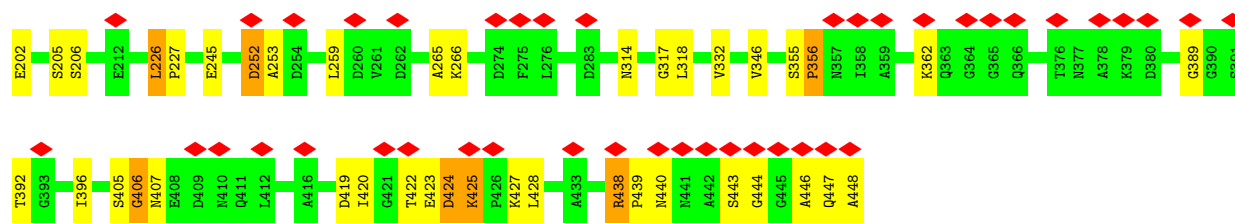


- Molecule 1: Major capsid protein

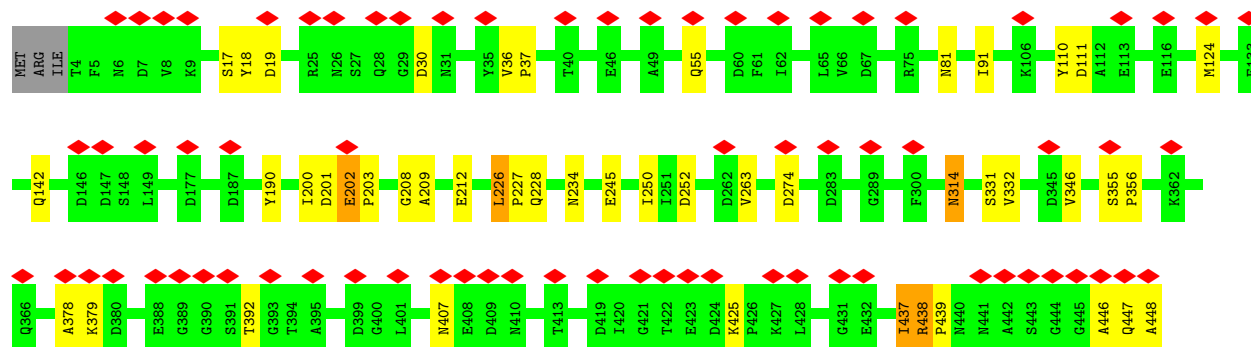
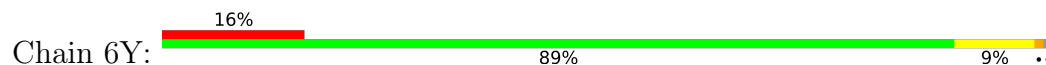


- Molecule 1: Major capsid protein

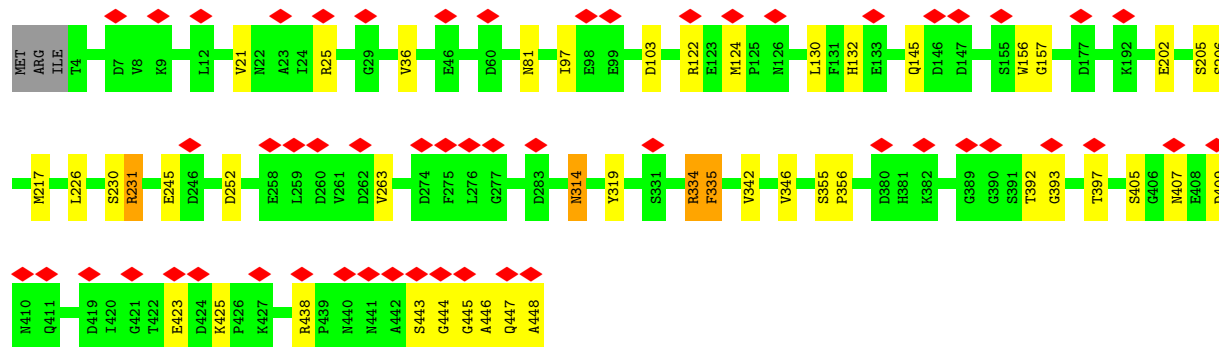
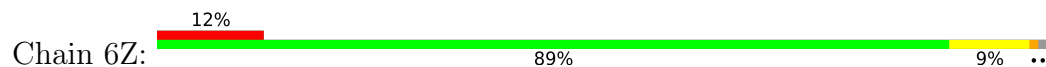




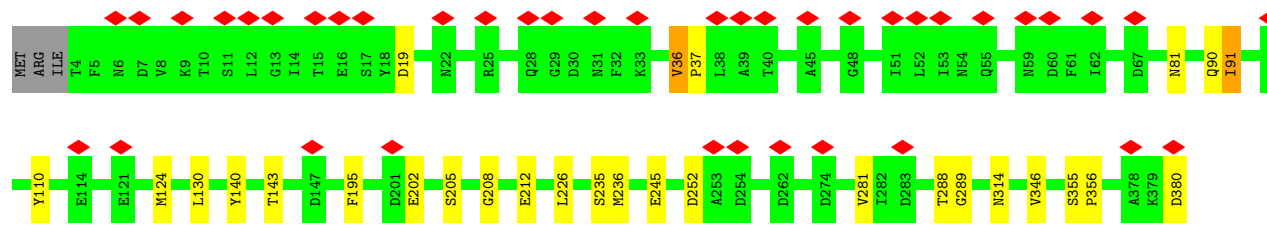
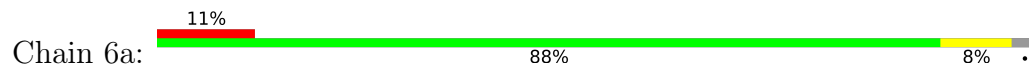
• Molecule 1: Major capsid protein

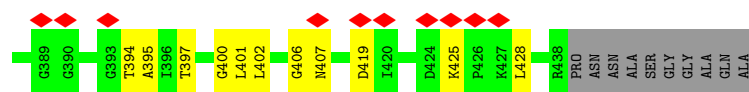


• Molecule 1: Major capsid protein



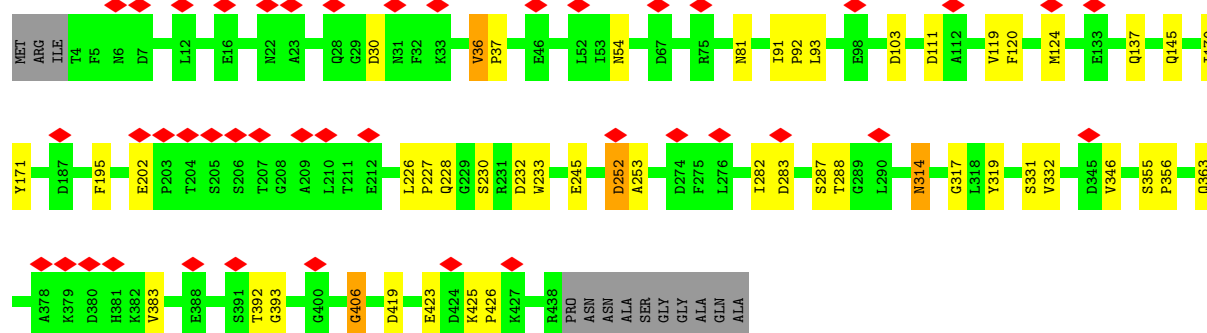
• Molecule 1: Major capsid protein





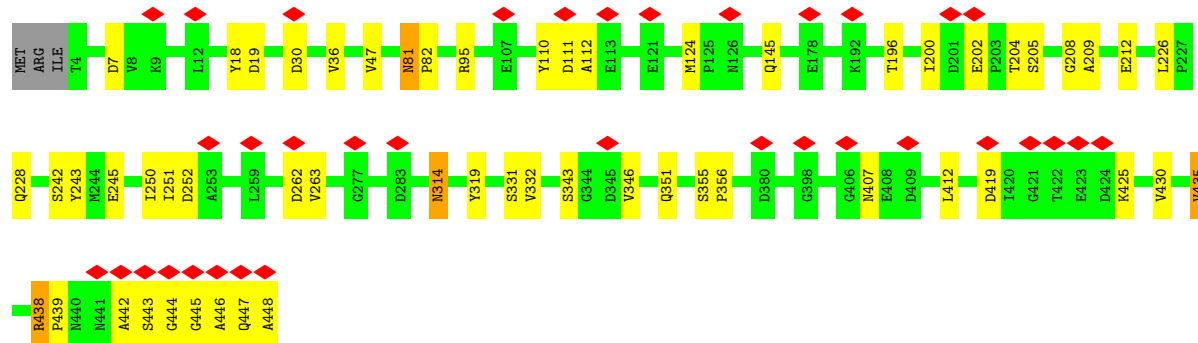
- Molecule 1: Major capsid protein

Chain 6b: 9% 86% 10% ..



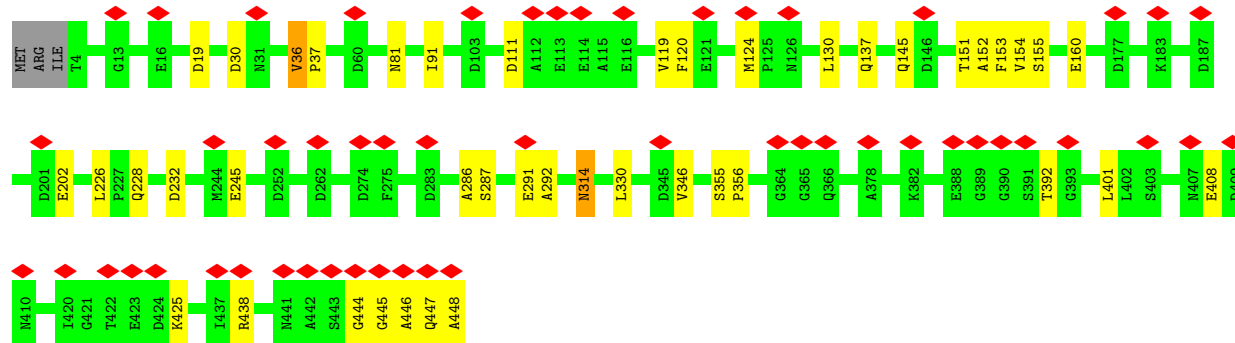
- Molecule 1: Major capsid protein

Chain 6c: 8% 87% 12% ..



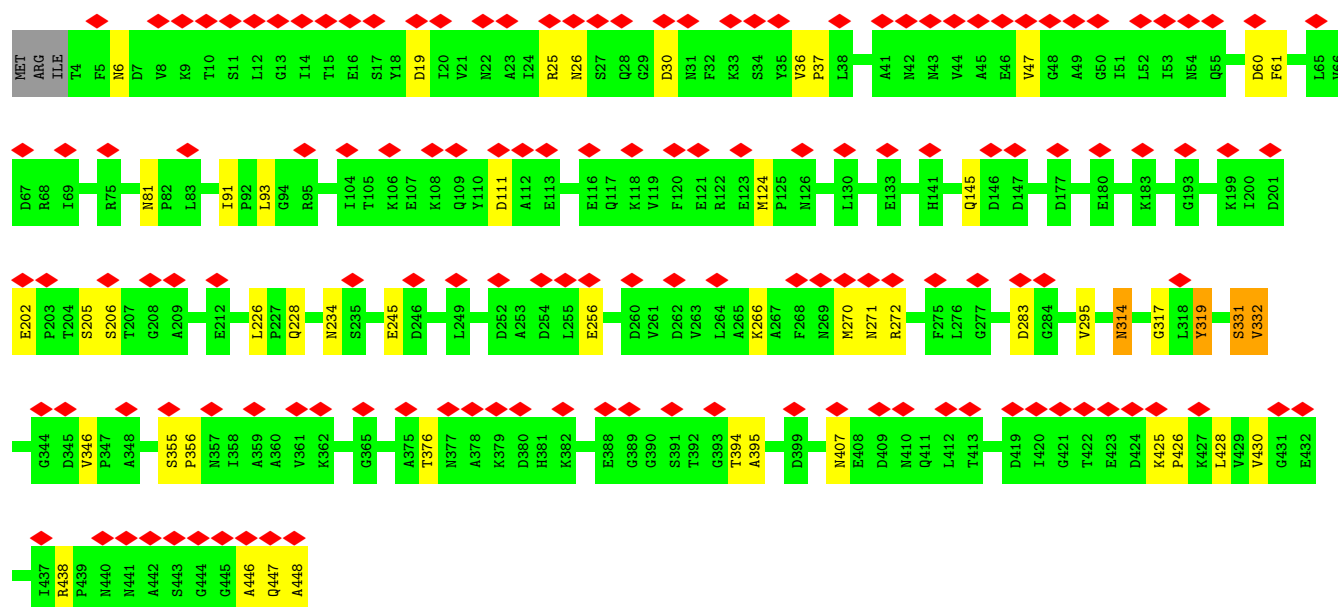
- Molecule 1: Major capsid protein

Chain 6d: 12% 90% 9% ..

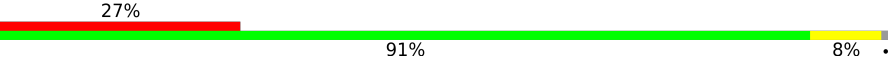


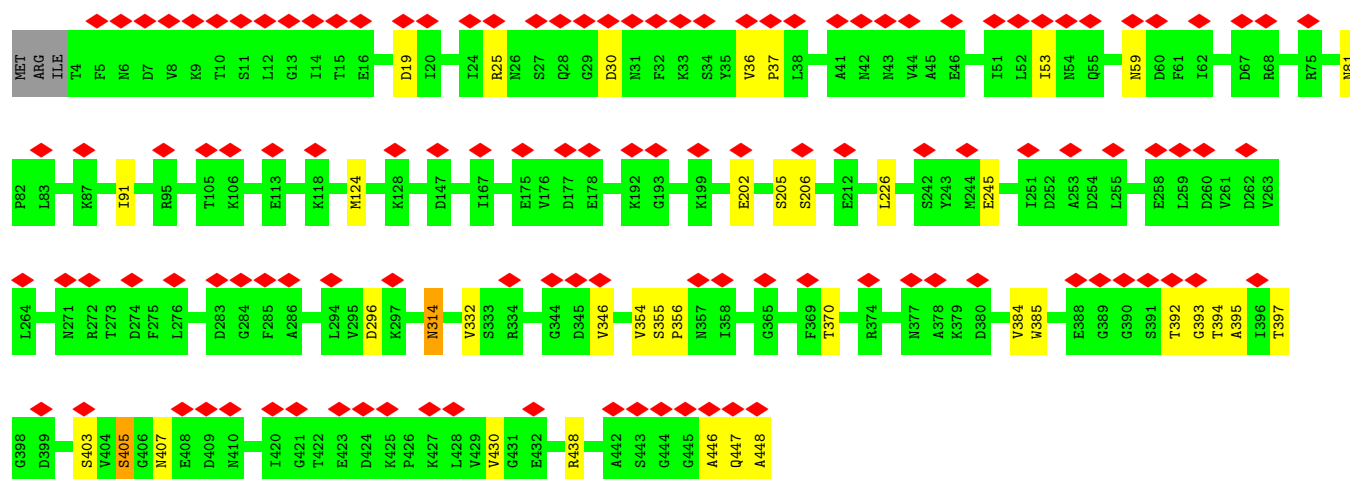
- Molecule 1: Major capsid protein

Chain 7U: 



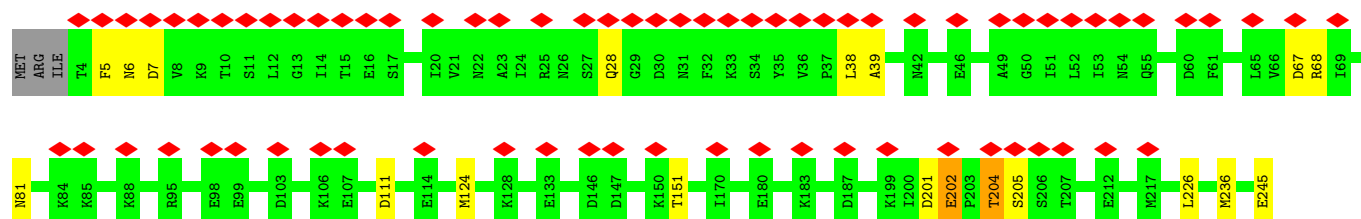
- Molecule 1: Major capsid protein

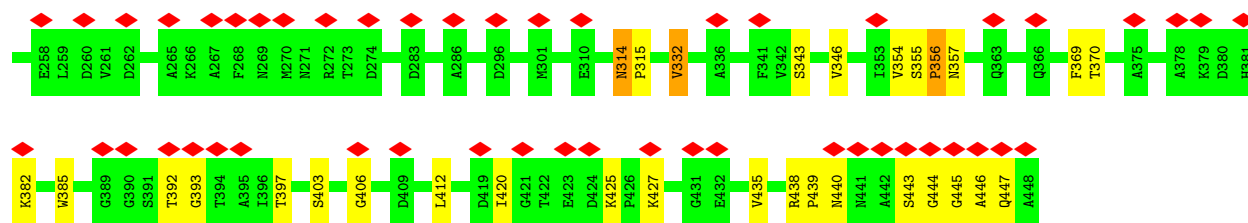
Chain 7V: 



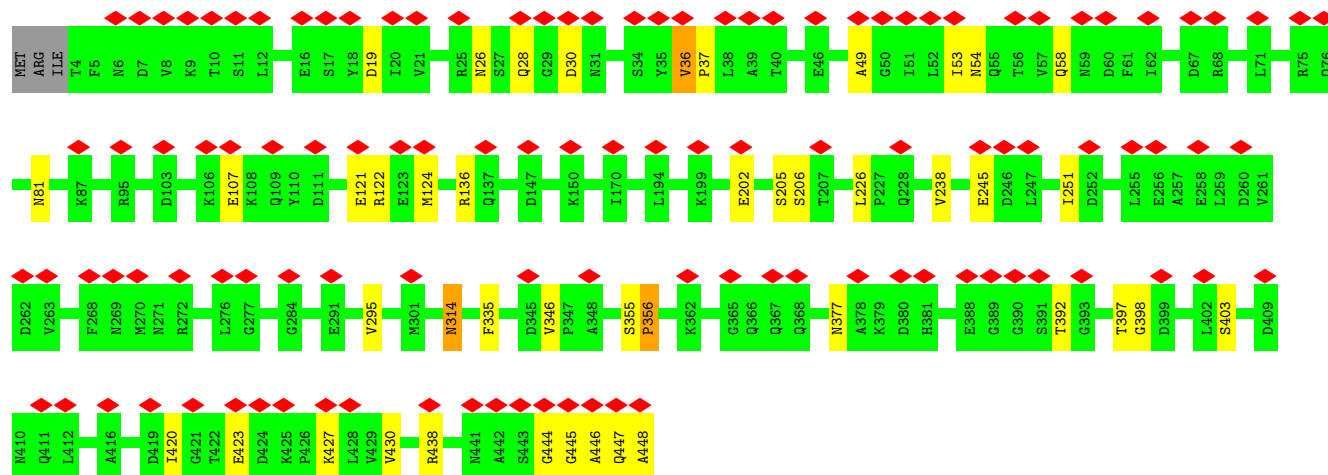
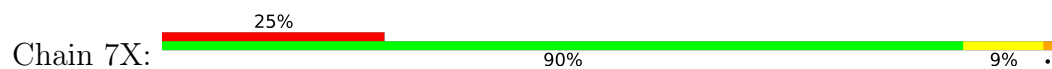
- Molecule 1: Major capsid protein

Chain 7W: 

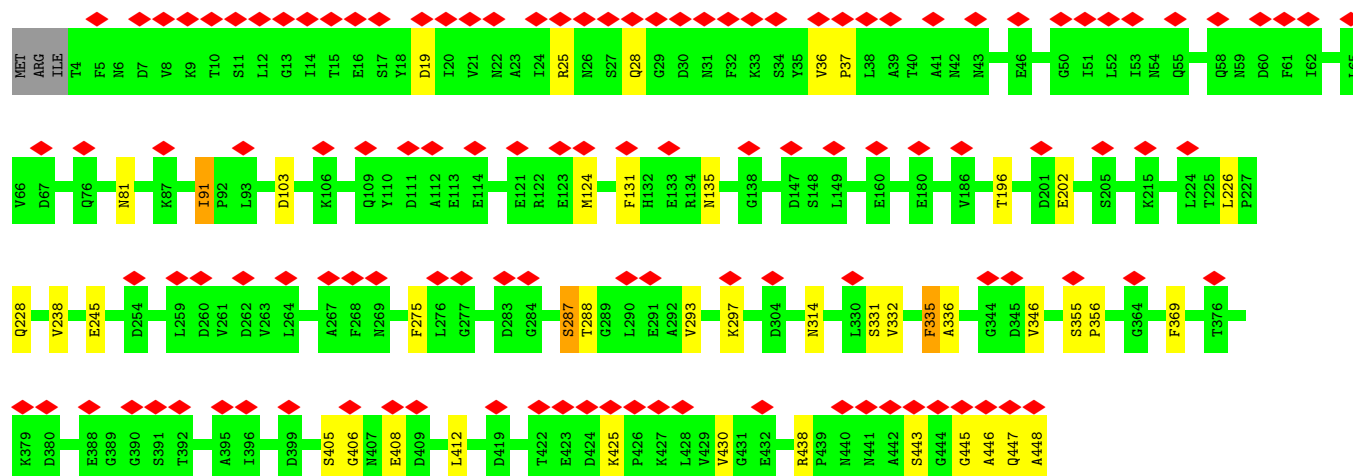
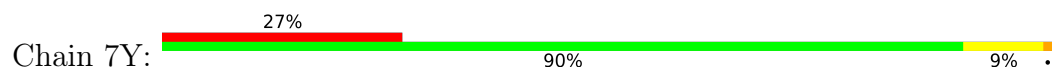




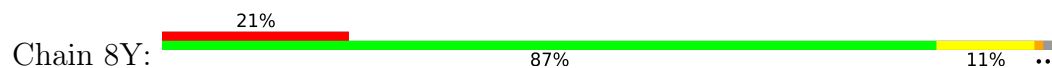
• Molecule 1: Major capsid protein

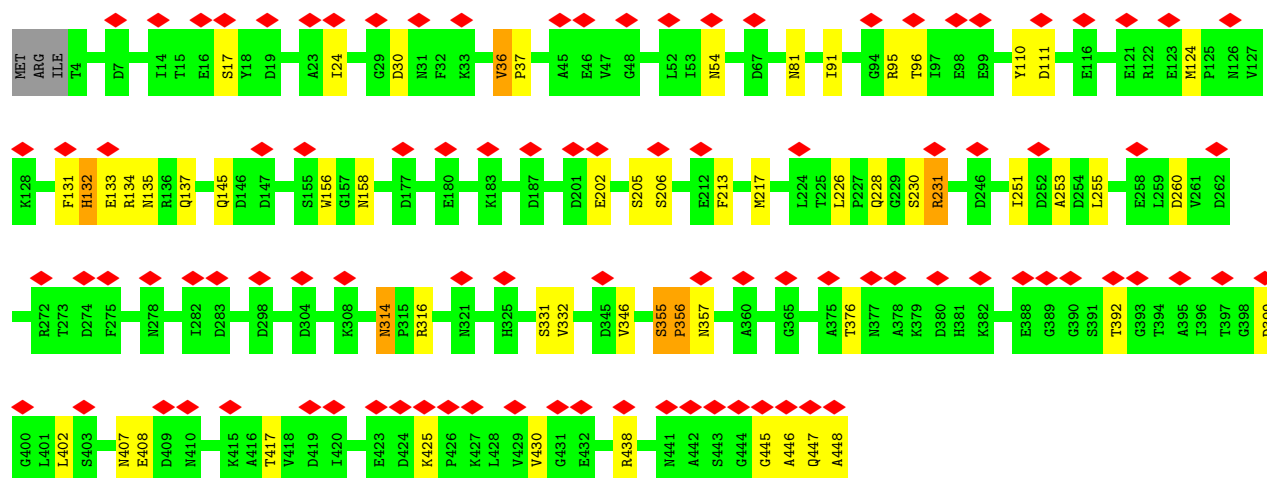


• Molecule 1: Major capsid protein

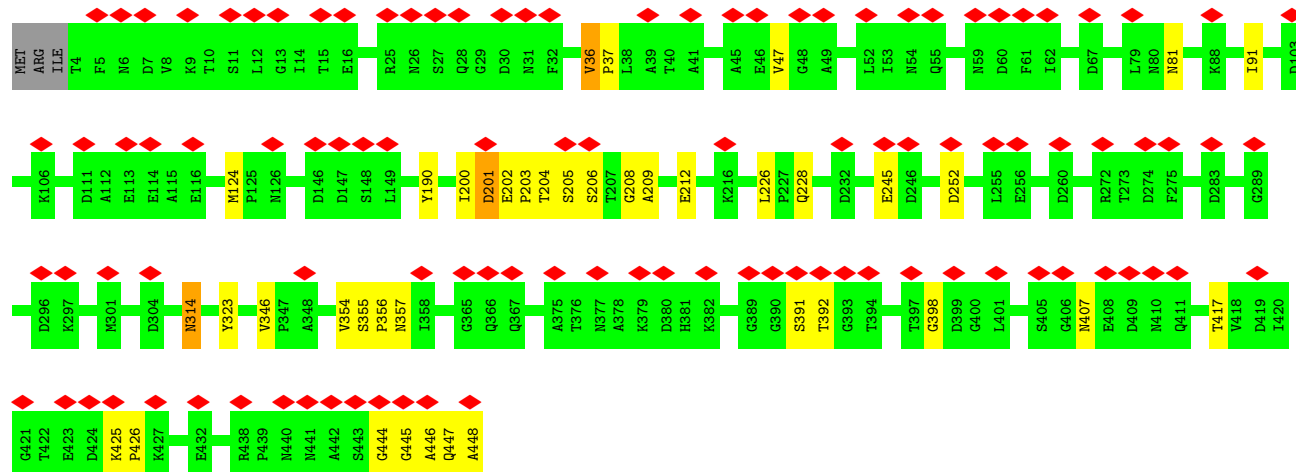
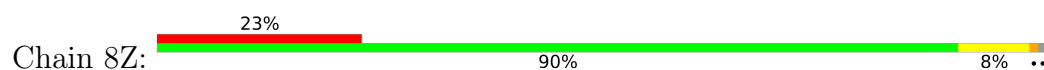


• Molecule 1: Major capsid protein

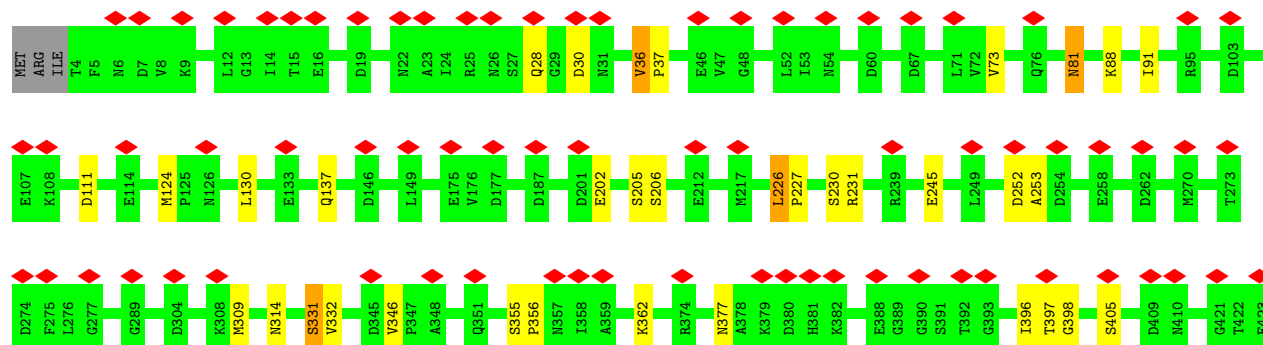
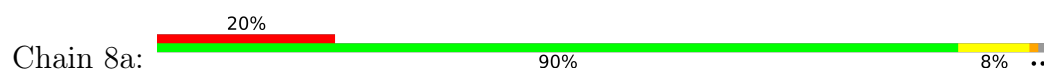


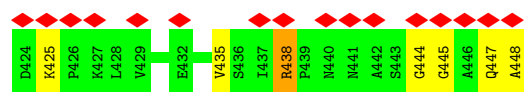


• Molecule 1: Major capsid protein



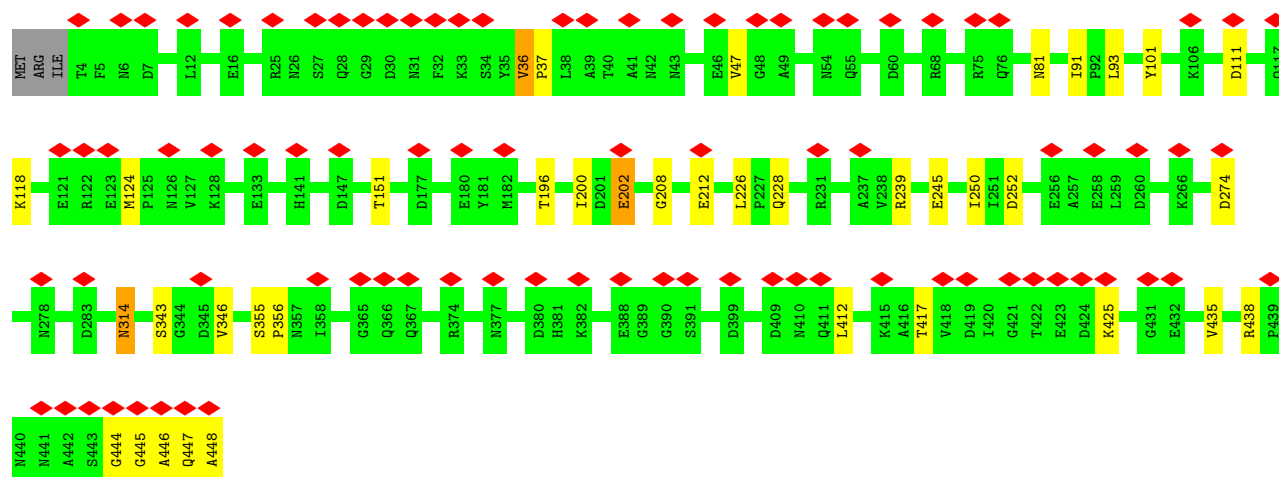
• Molecule 1: Major capsid protein





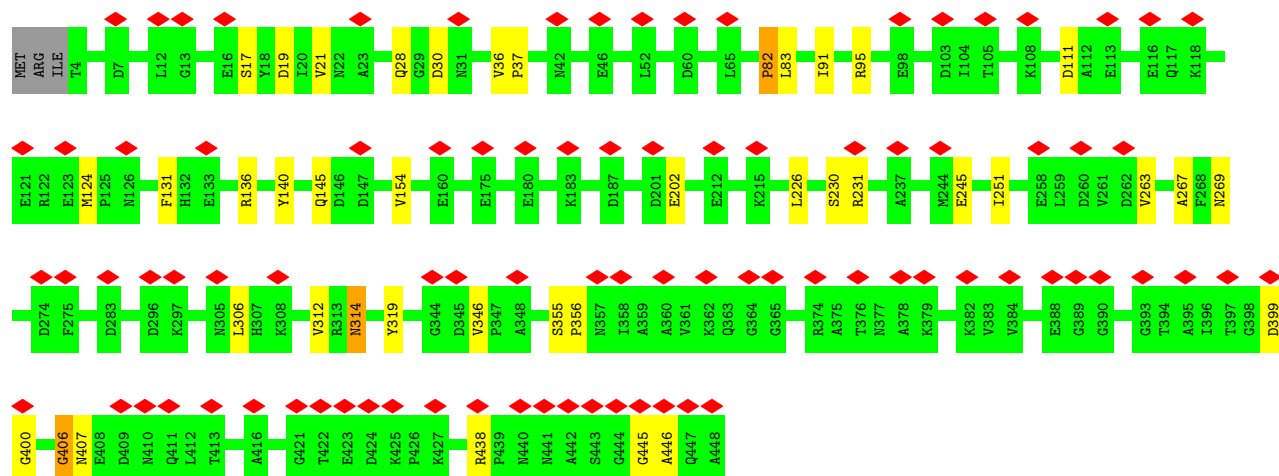
• Molecule 1: Major capsid protein

Chain 8b: 19% 91% 8% ..



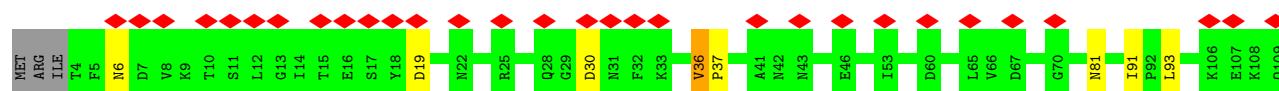
• Molecule 1: Major capsid protein

Chain 8c: 20% 90% 8% ..



• Molecule 1: Major capsid protein

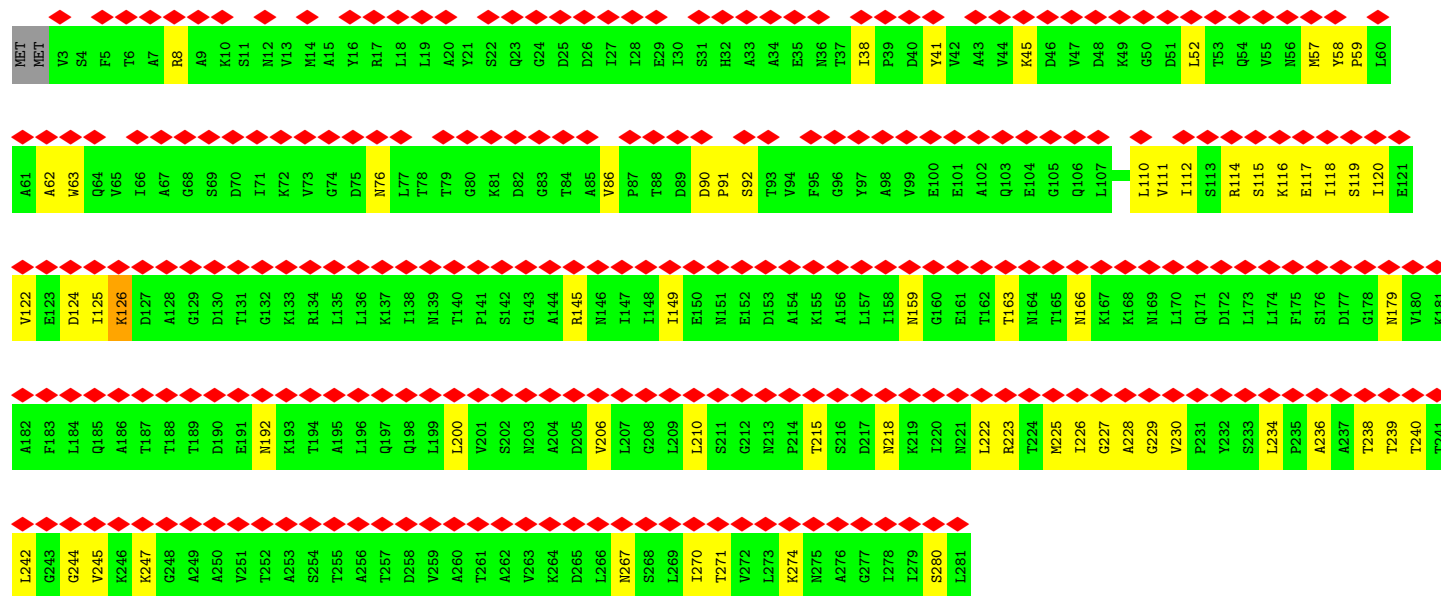
Chain 8d: 22% 88% 10% ..





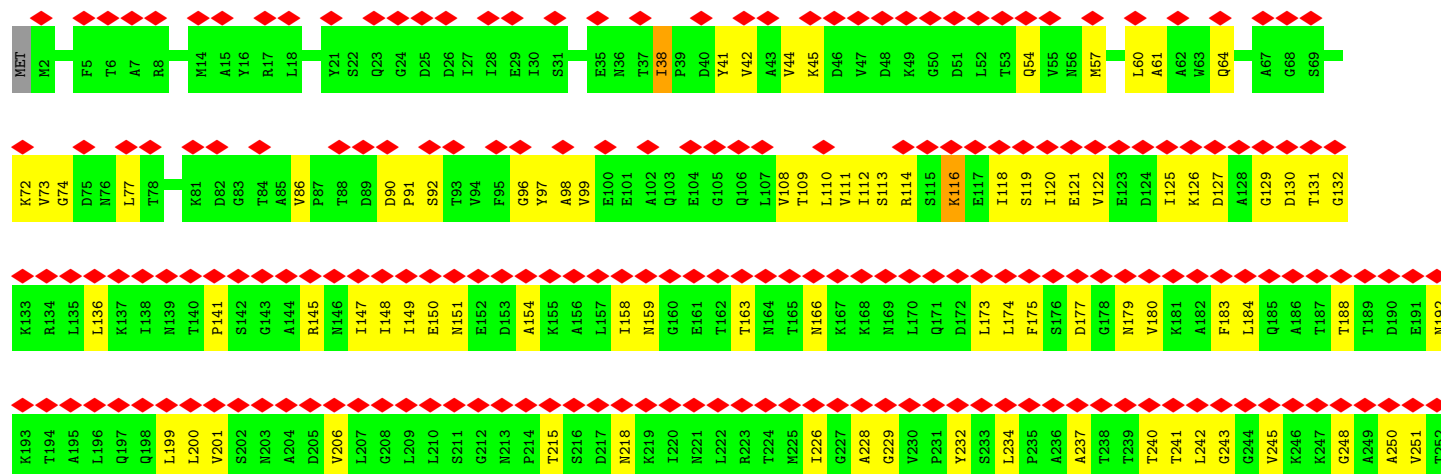
• Molecule 2: Capsid fiber protein

Chain 1f: 93%
77% 22%



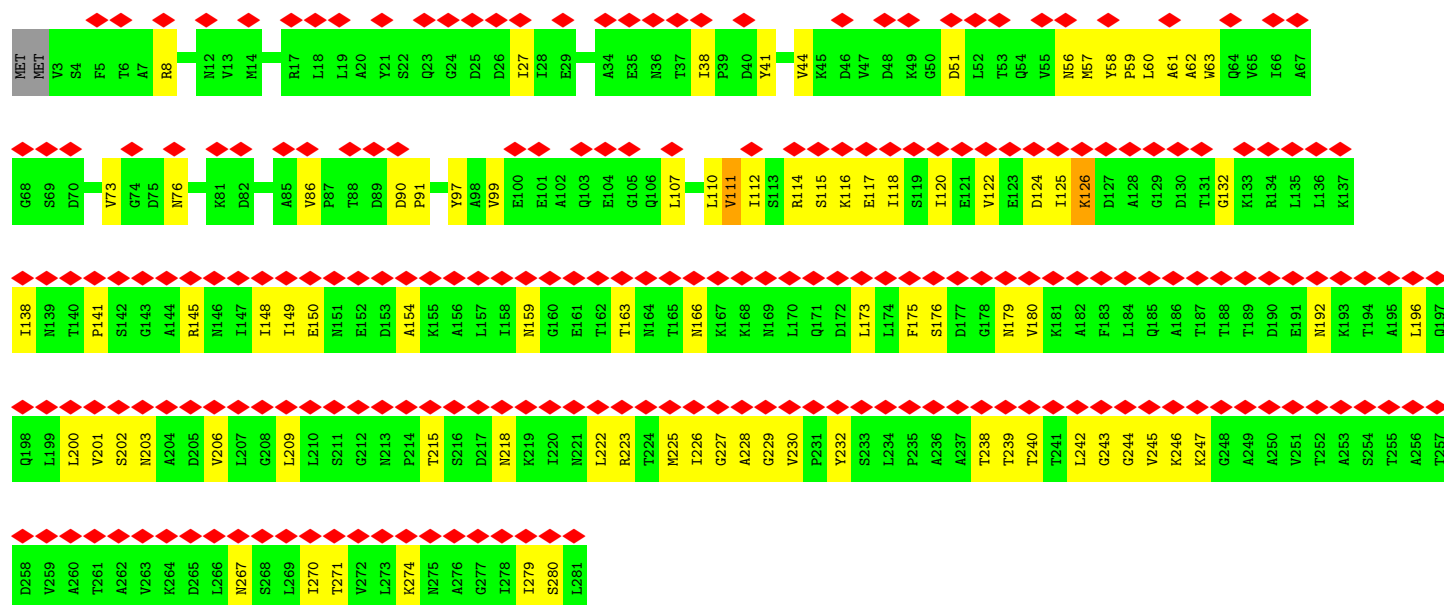
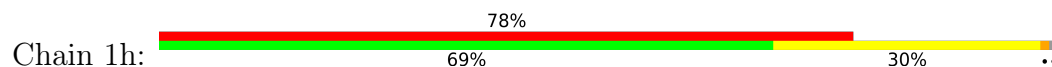
• Molecule 2: Capsid fiber protein

Chain 1g: 82%
63% 36%

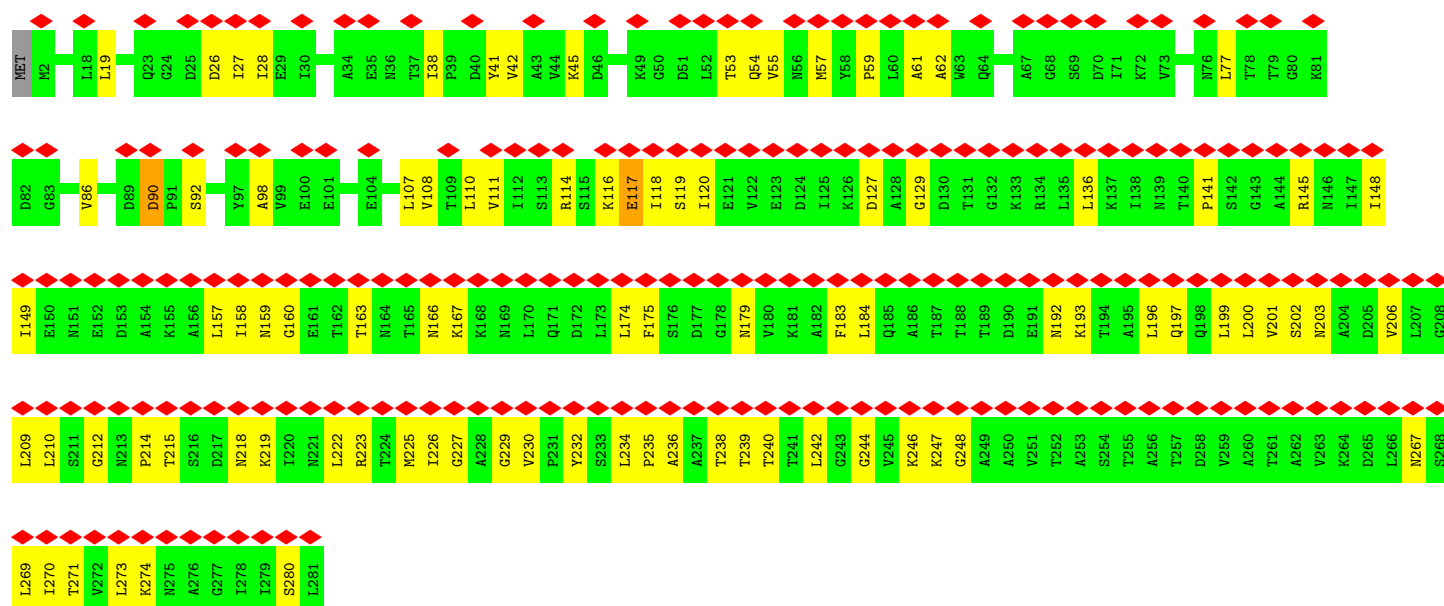
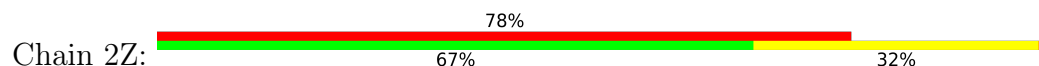




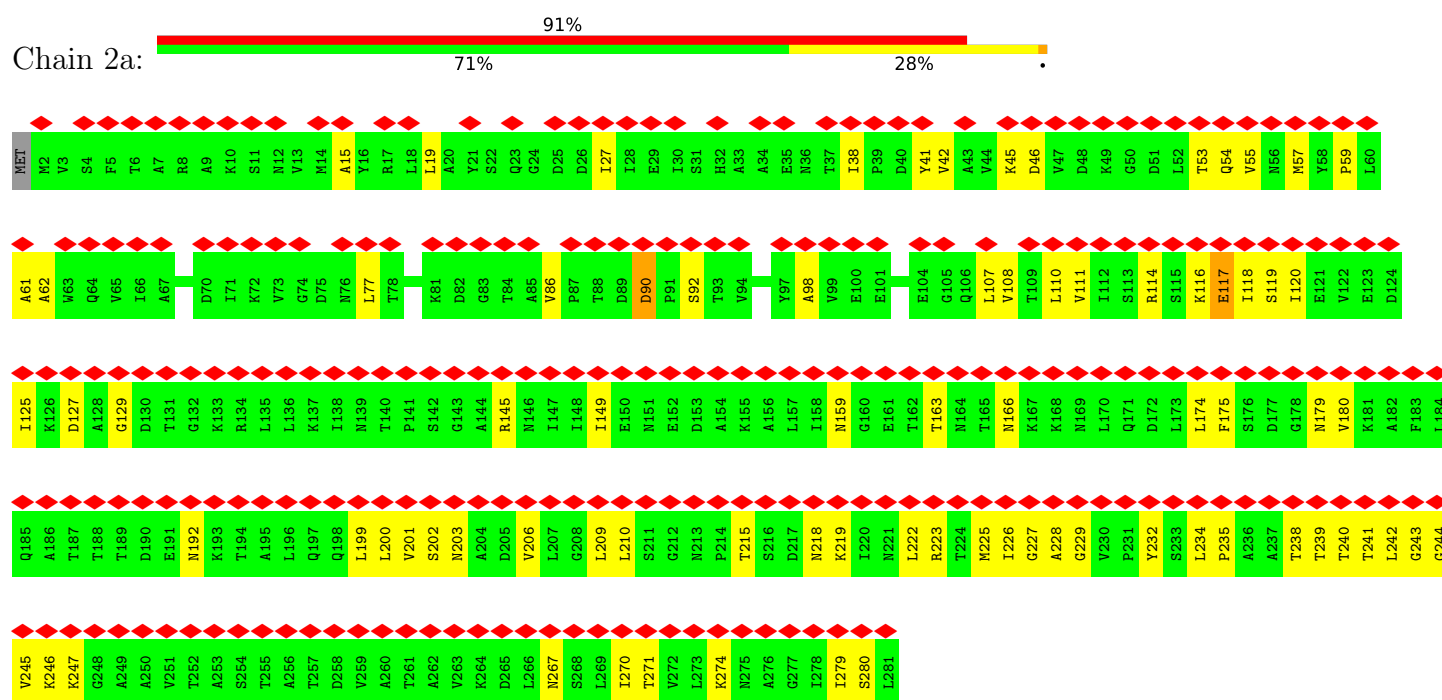
• Molecule 2: Capsid fiber protein



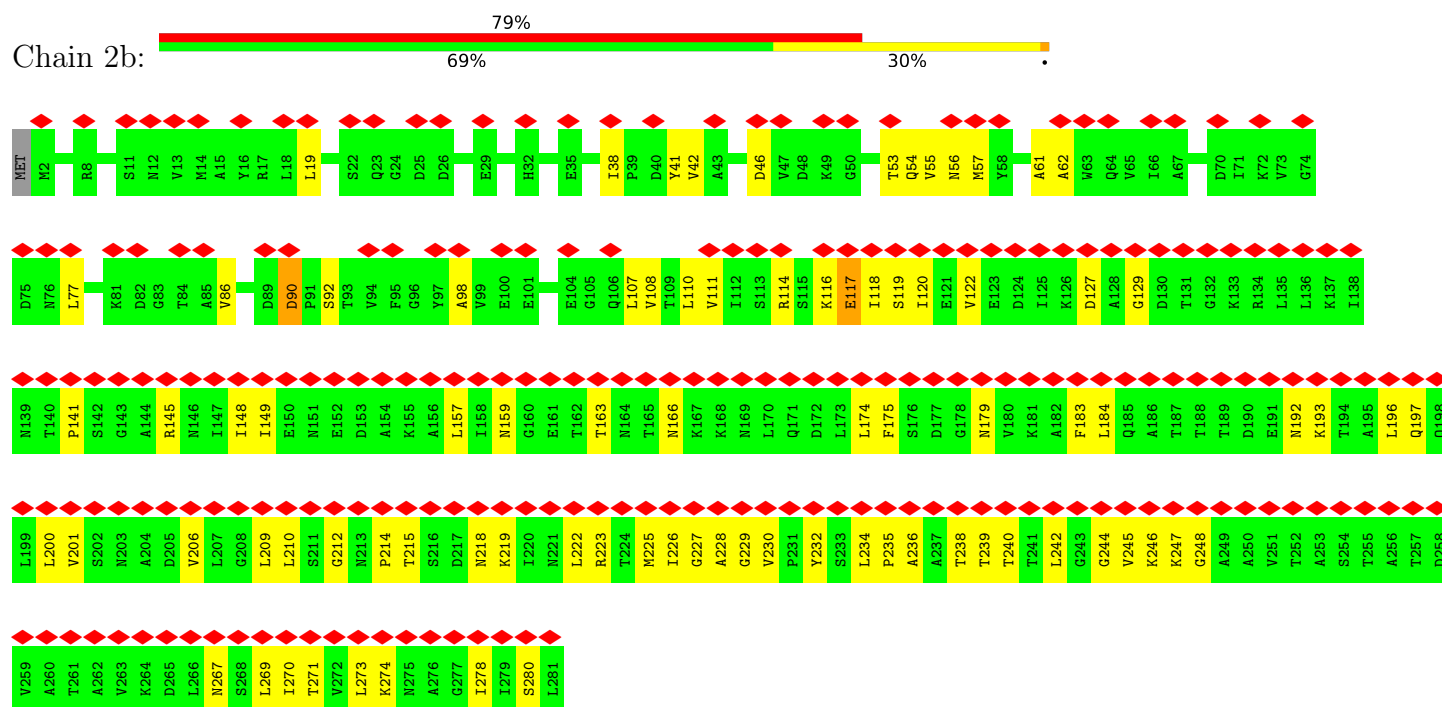
• Molecule 2: Capsid fiber protein



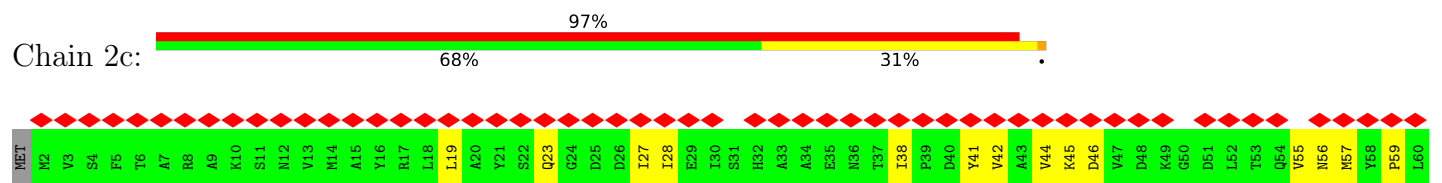
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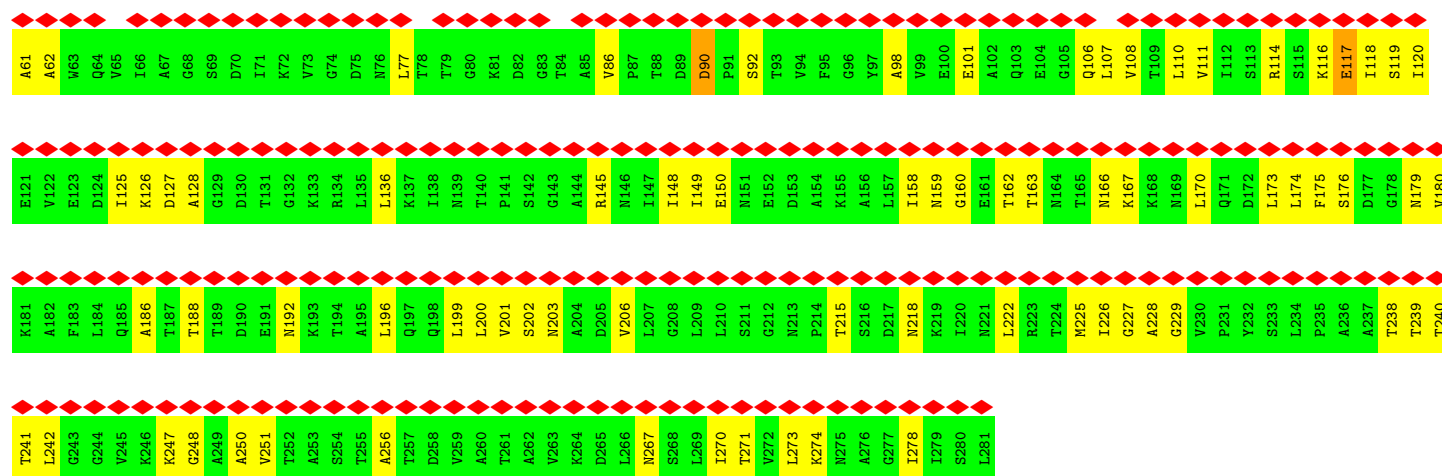


• Molecule 2: Capsid fiber protein

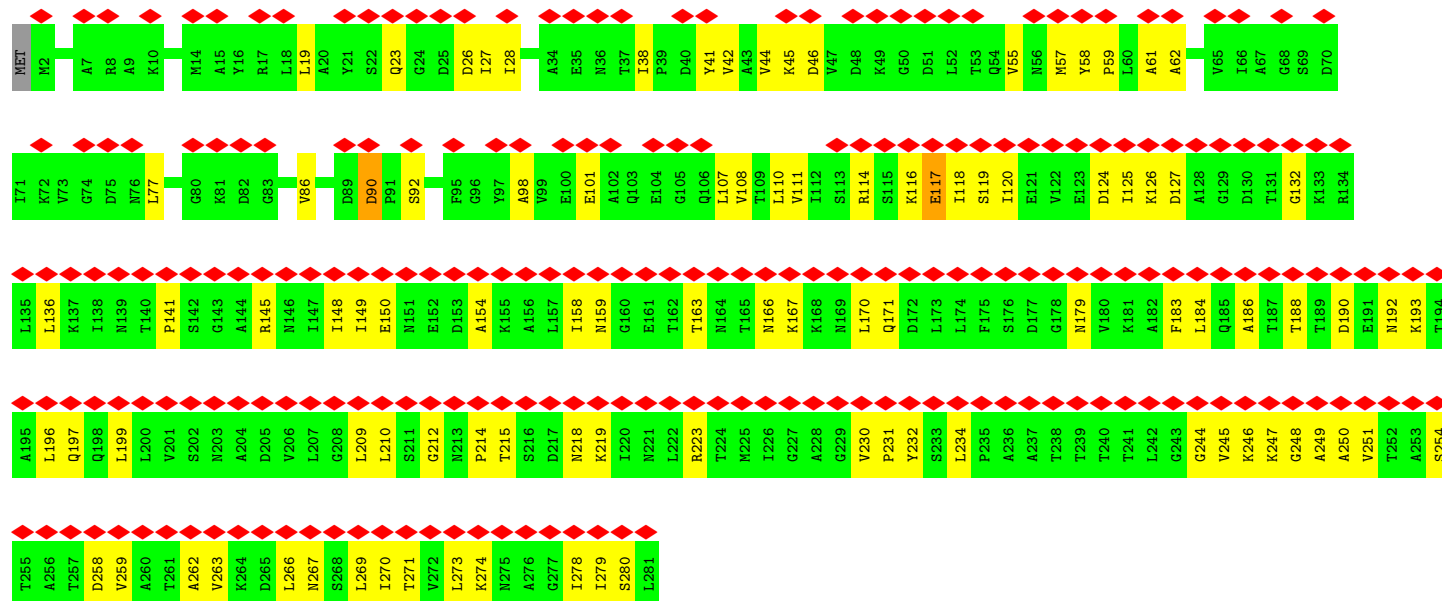
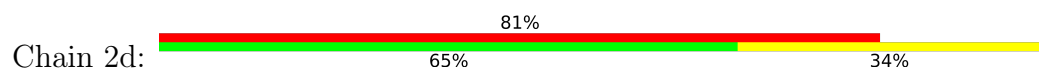


• Molecule 2: Capsid fiber protein

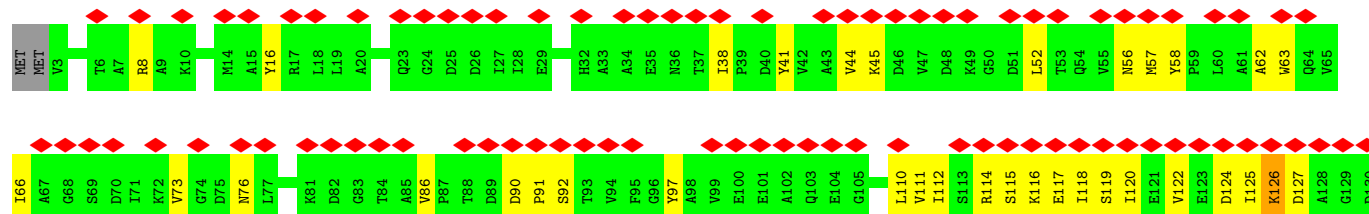
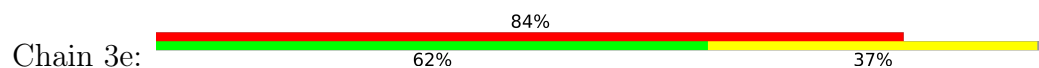




• Molecule 2: Capsid fiber protein

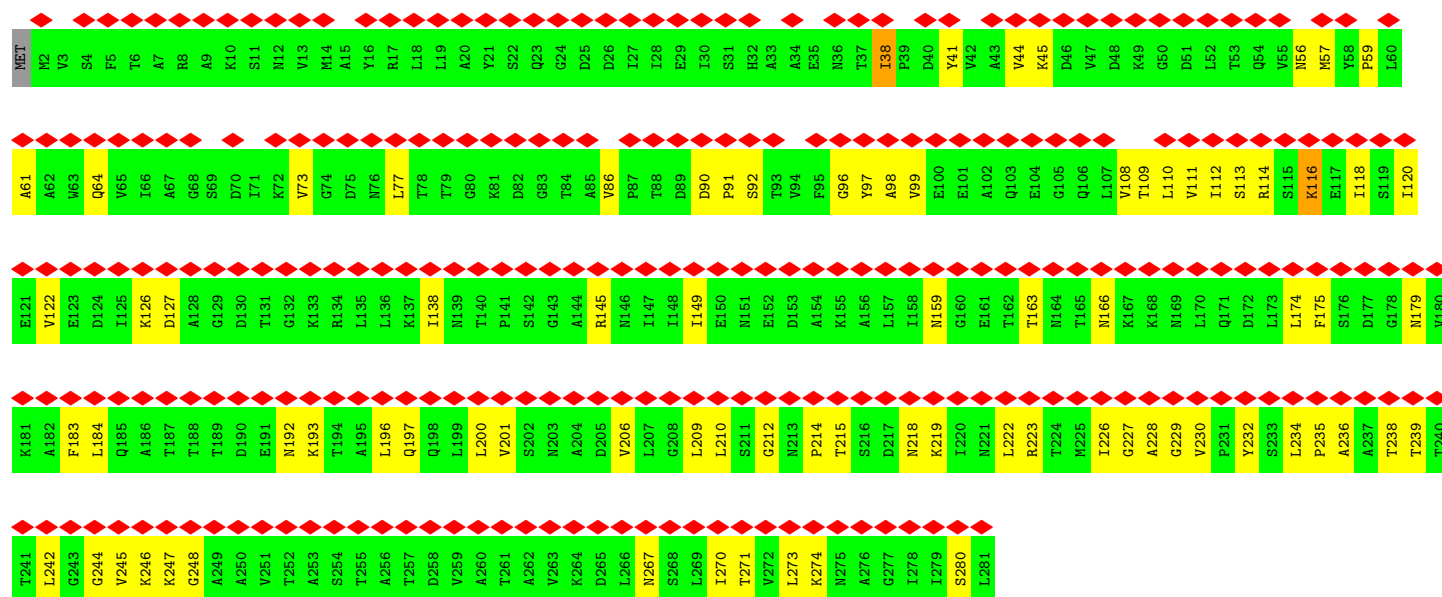
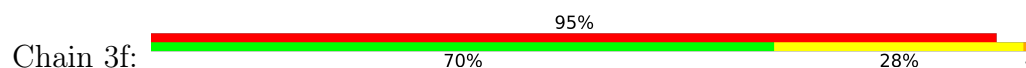


• Molecule 2: Capsid fiber protein

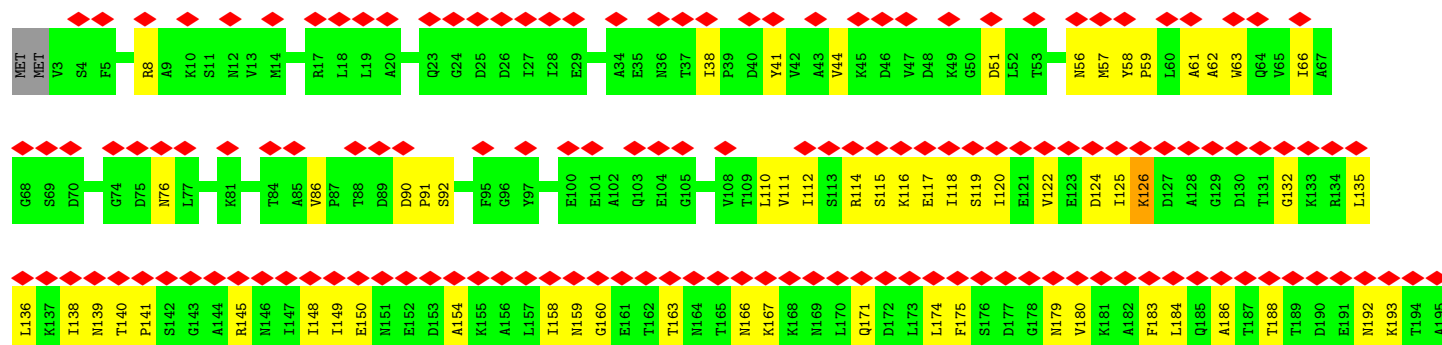
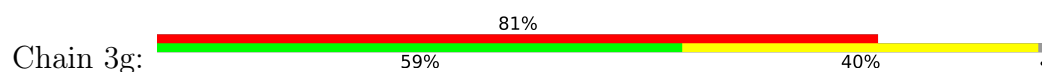


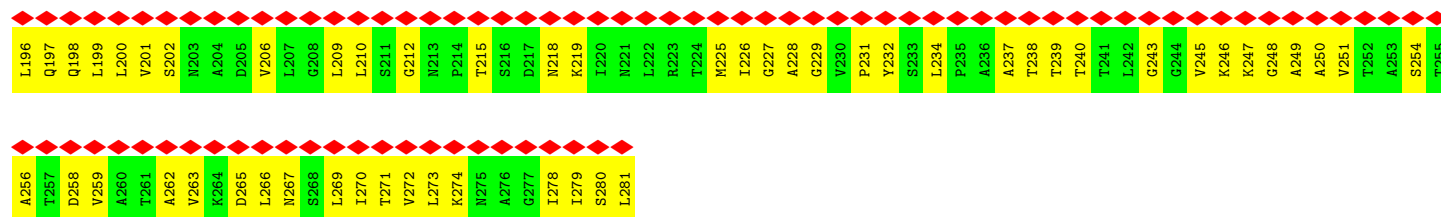


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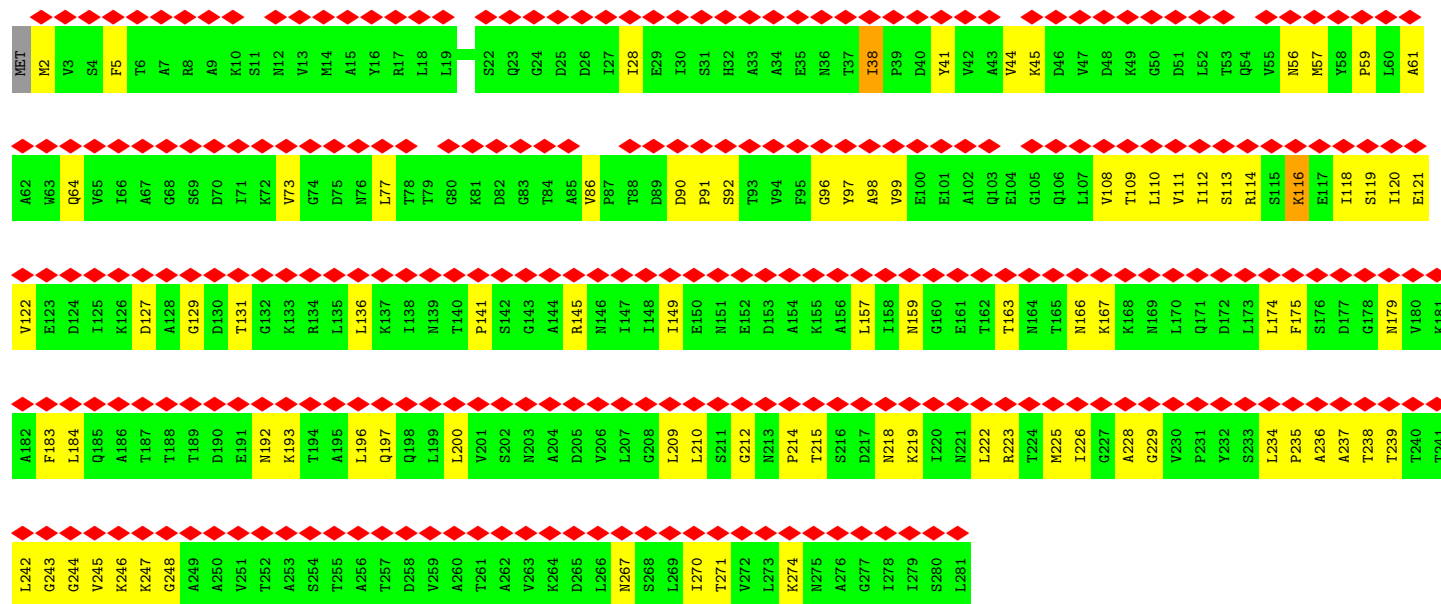


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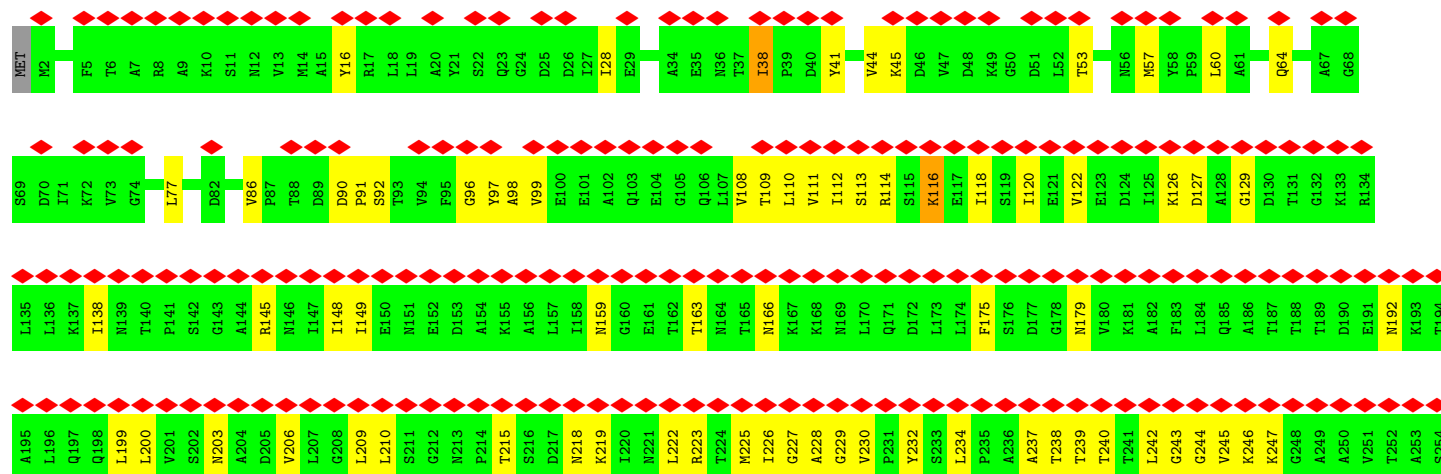
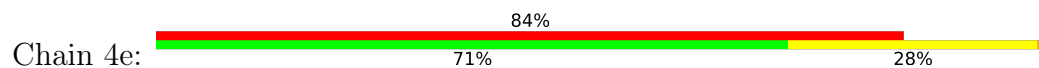


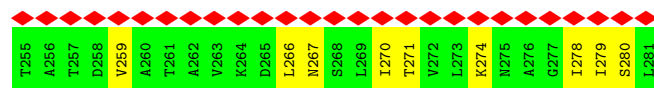


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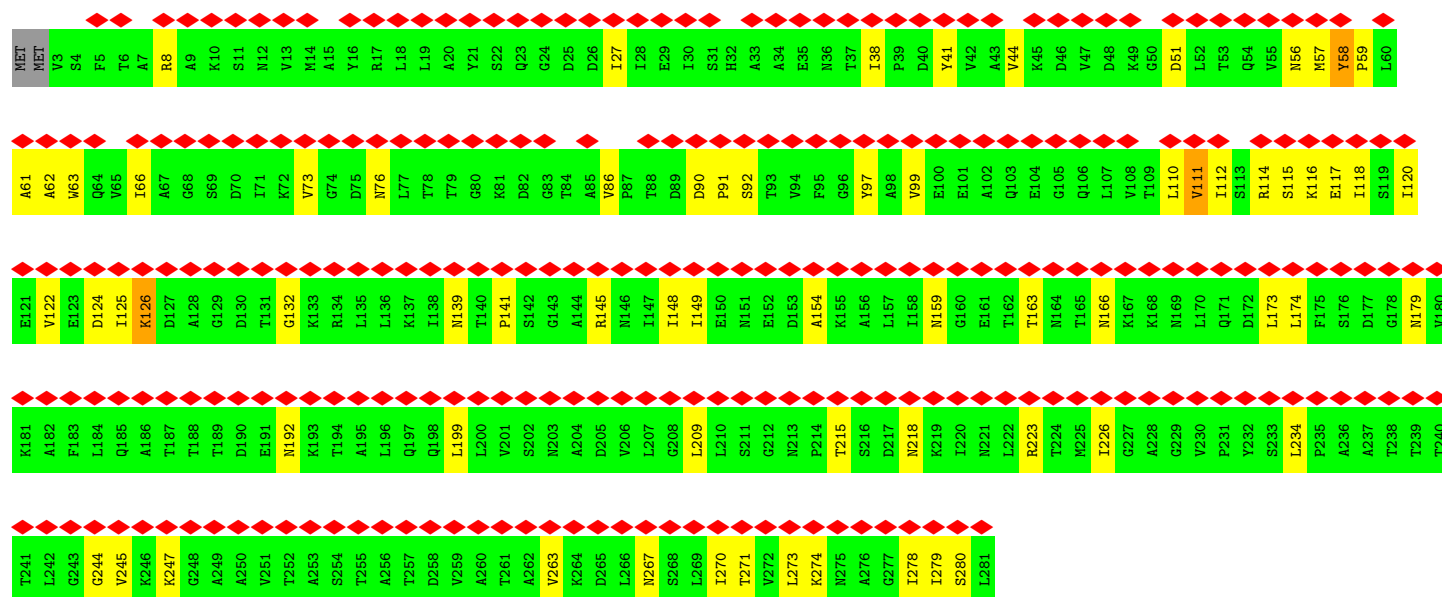
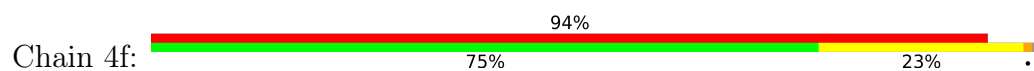


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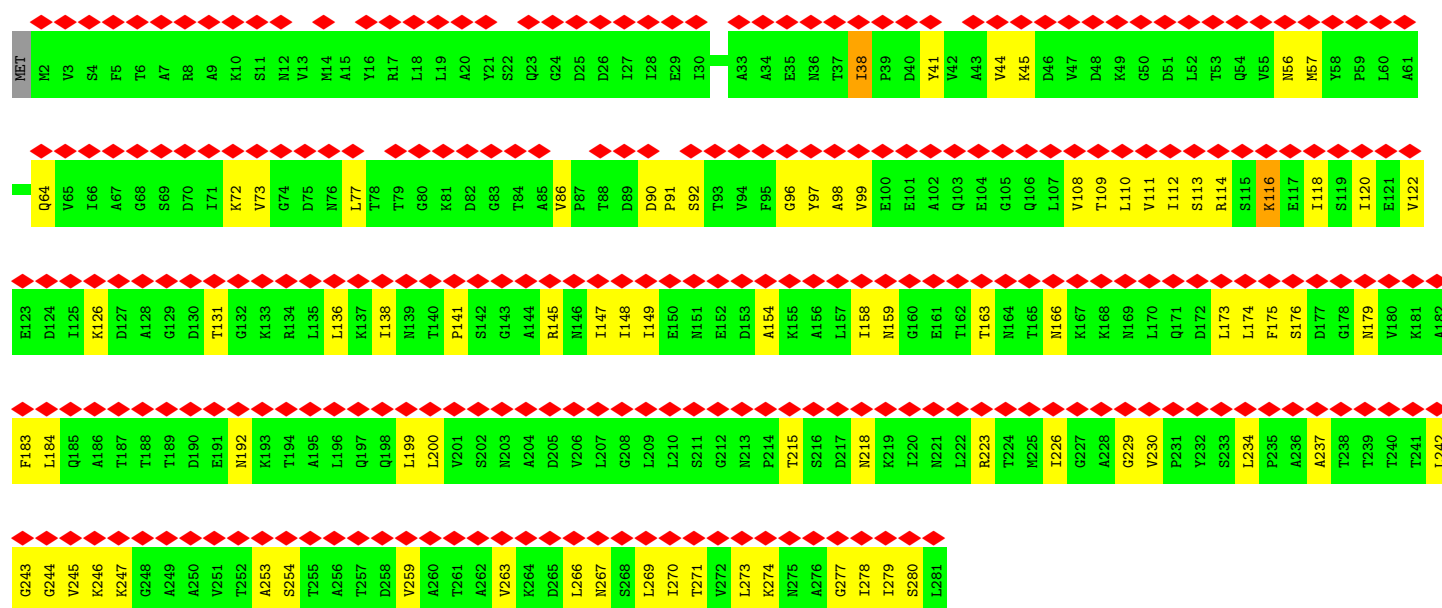
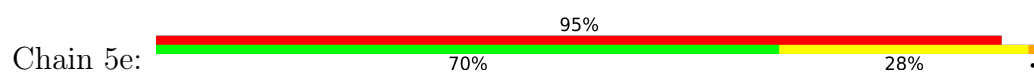




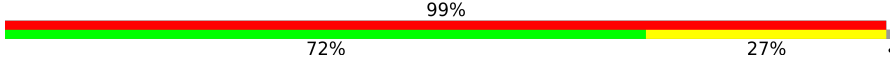
• Molecule 2: Capsid fiber protein

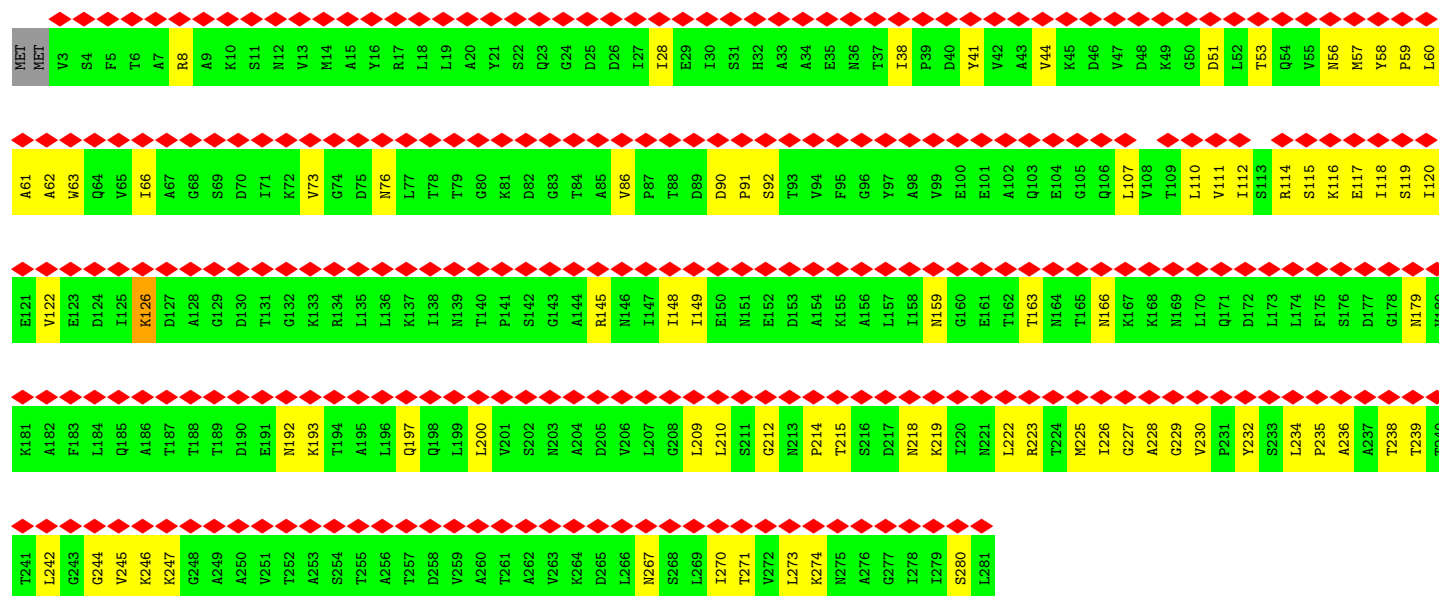


• Molecule 2: Capsid fiber protein

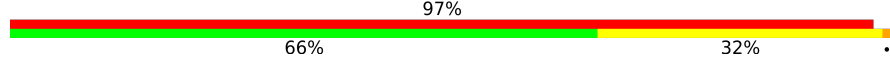


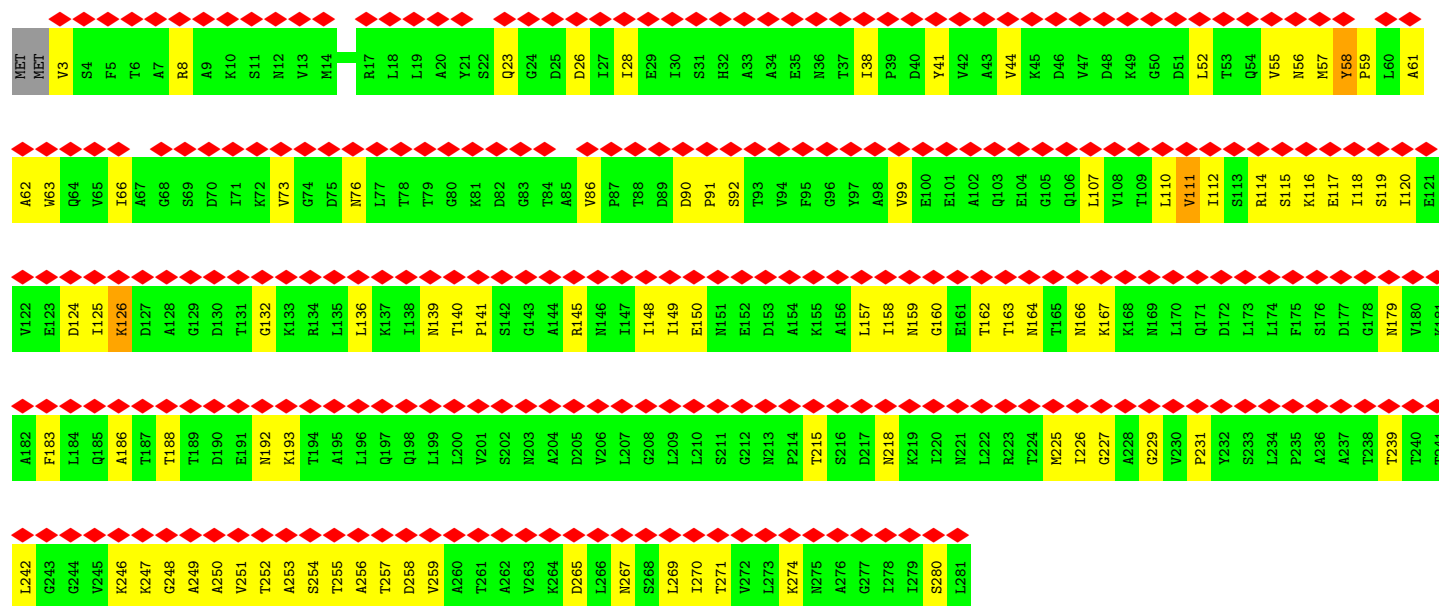
• Molecule 2: Capsid fiber protein

Chain 5f: 



• Molecule 2: Capsid fiber protein

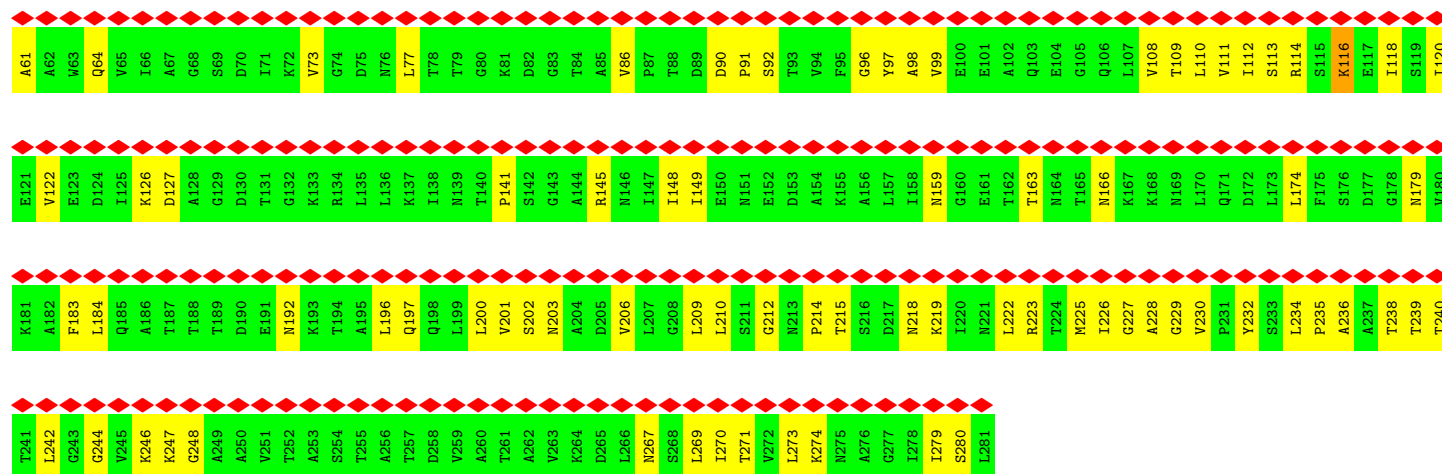
Chain 6e: 



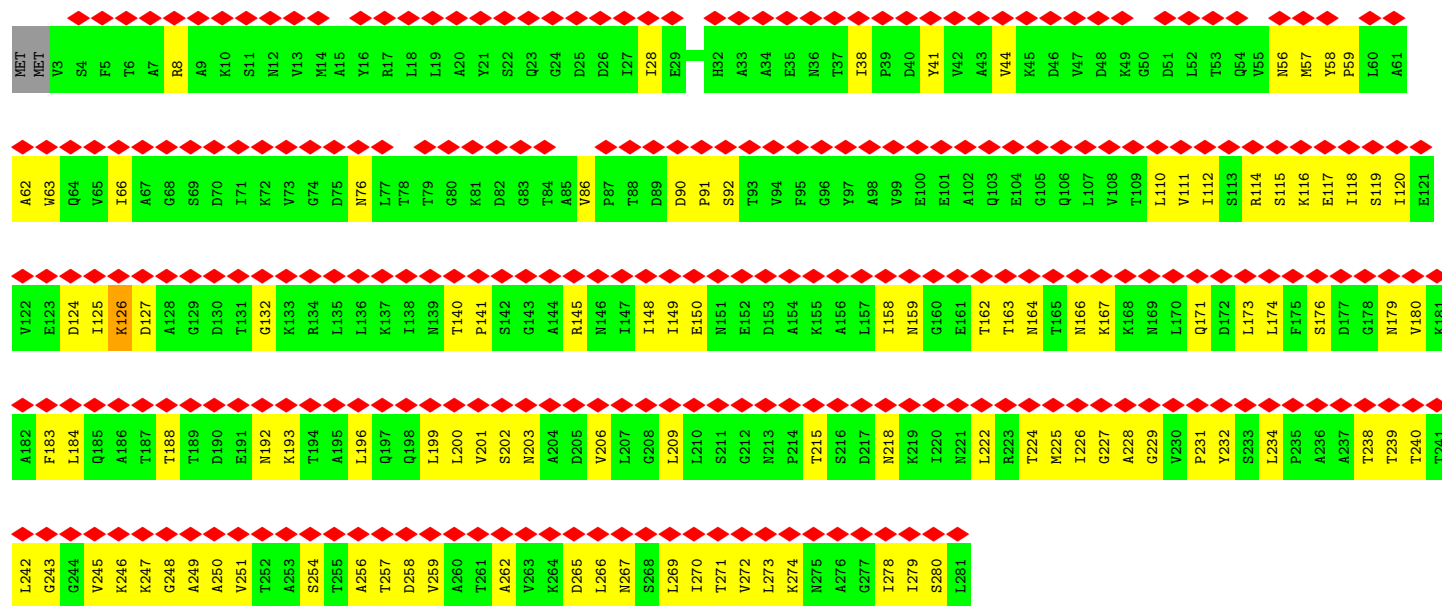
• Molecule 2: Capsid fiber protein

Chain 6f: 

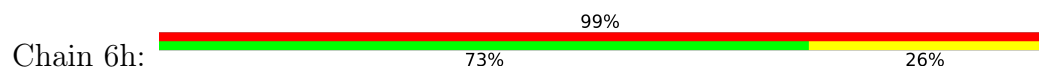




• Molecule 2: Capsid fiber protein

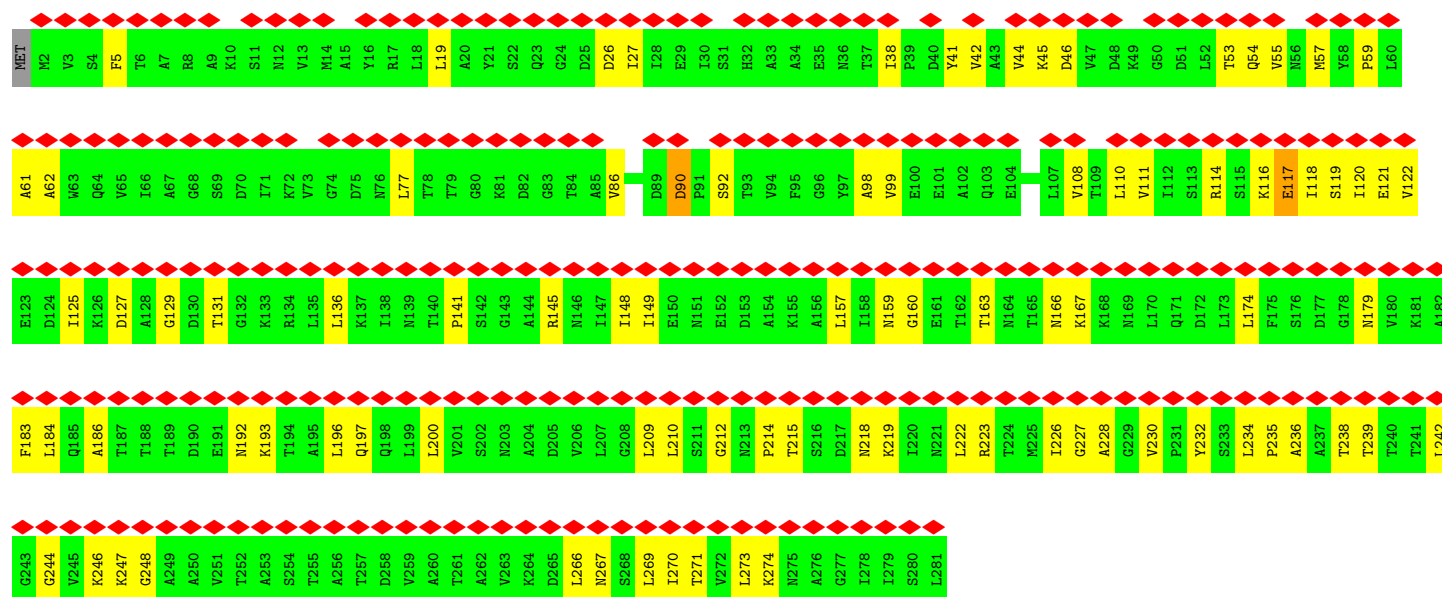


• Molecule 2: Capsid fiber protein

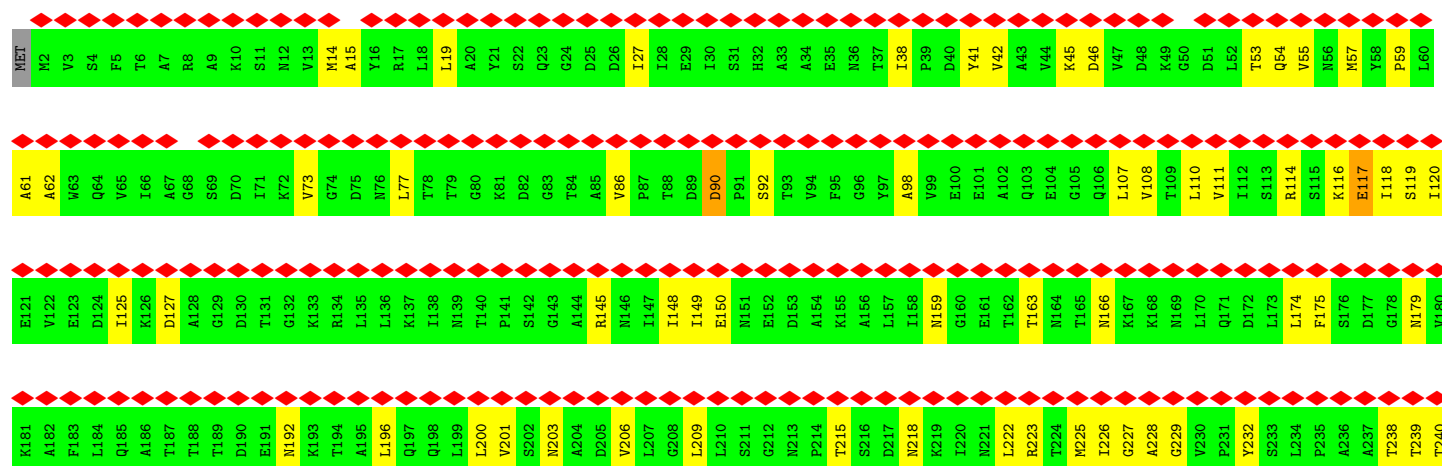
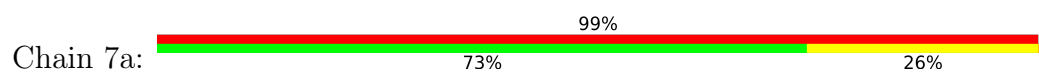


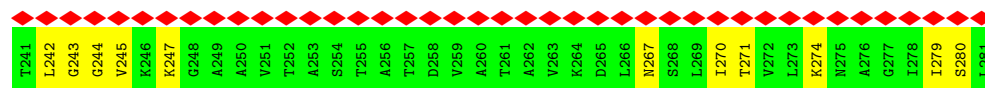


• Molecule 2: Capsid fiber protein

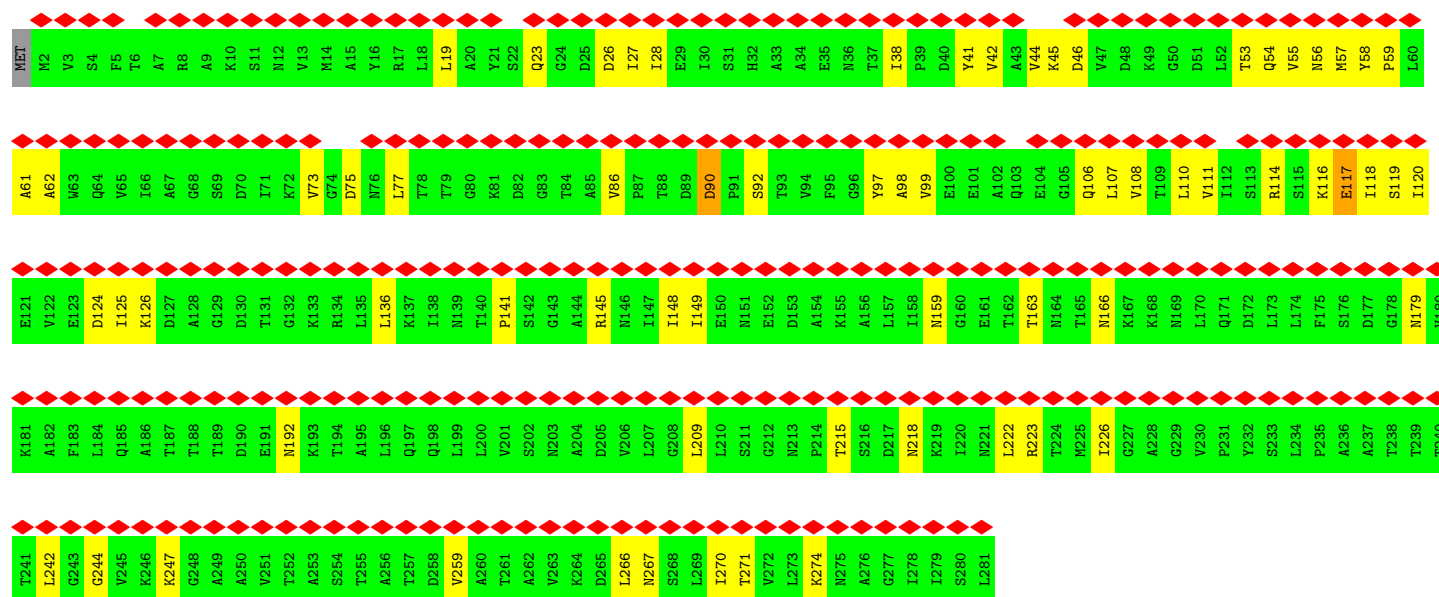
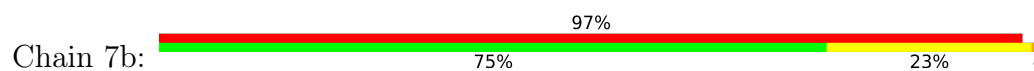


• Molecule 2: Capsid fiber protein

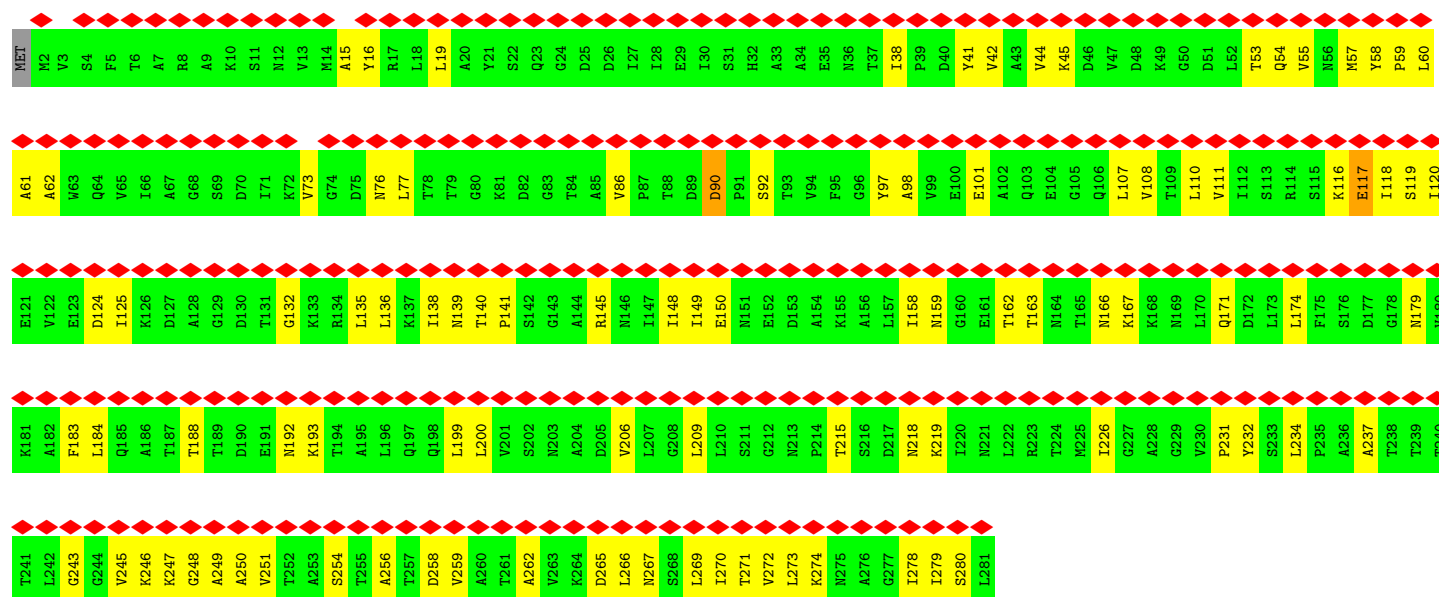




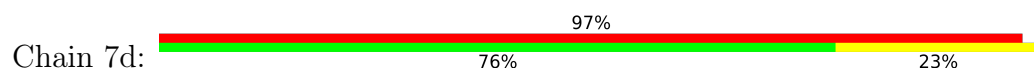
- Molecule 2: Capsid fiber protein

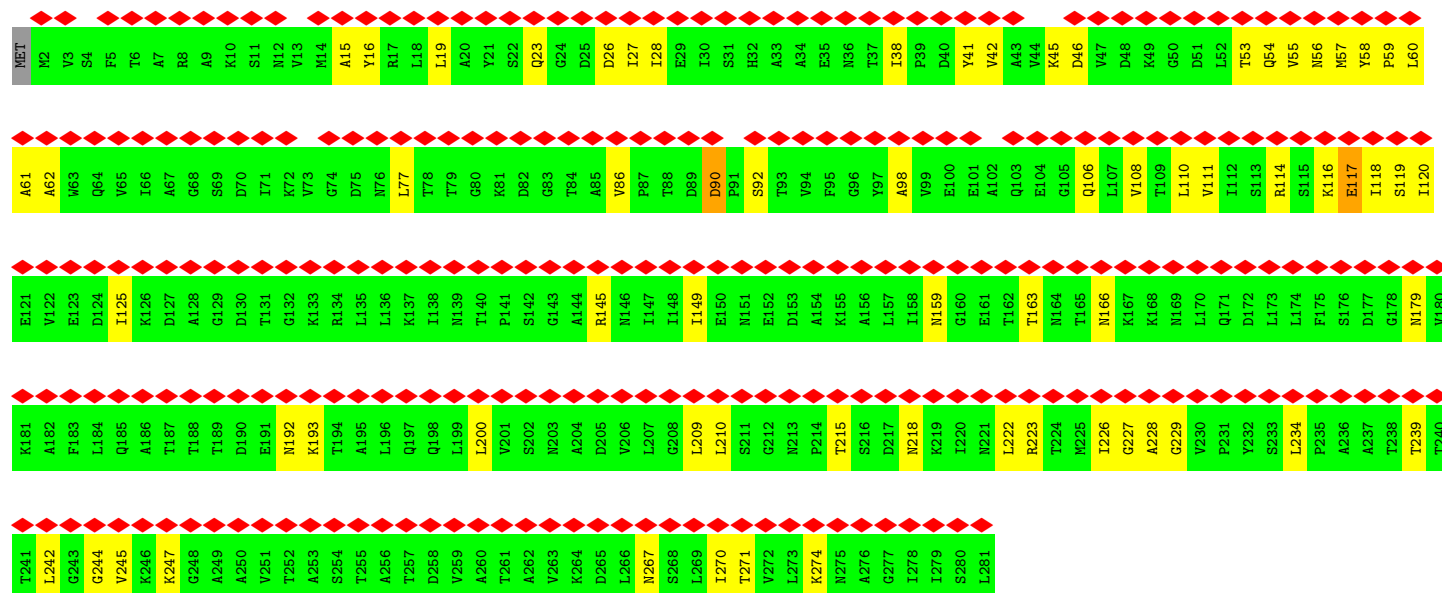


- Molecule 2: Capsid fiber protein

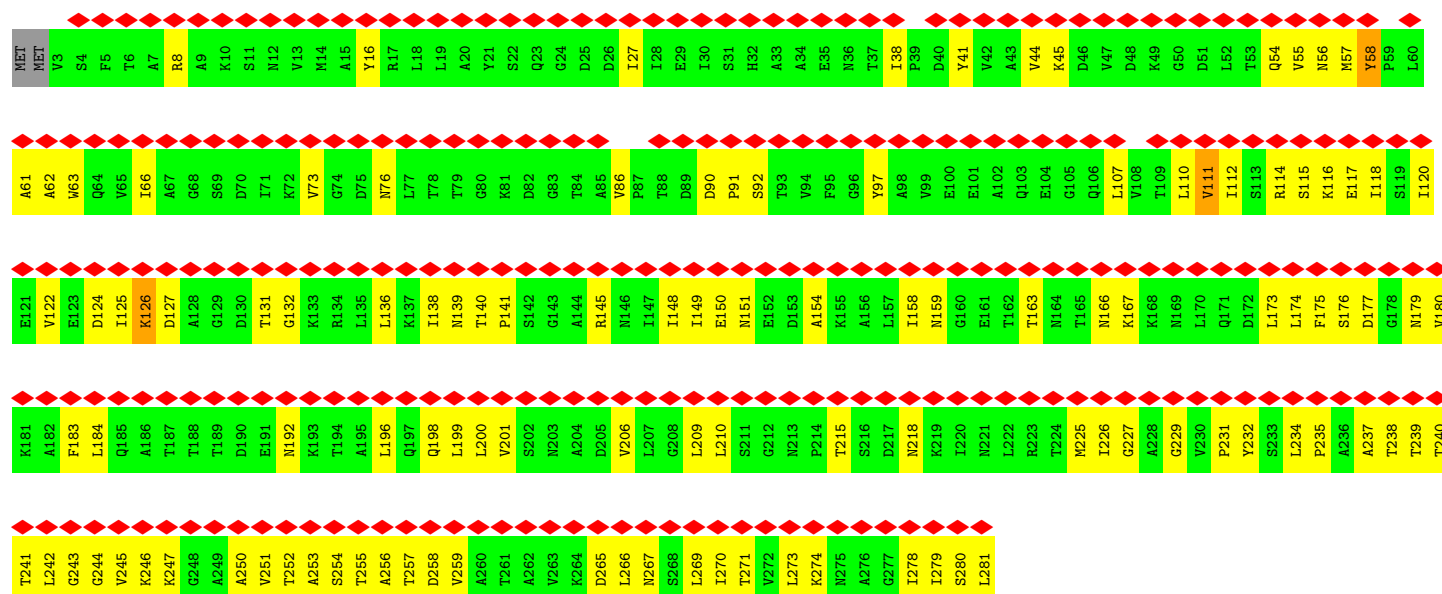


- Molecule 2: Capsid fiber protein

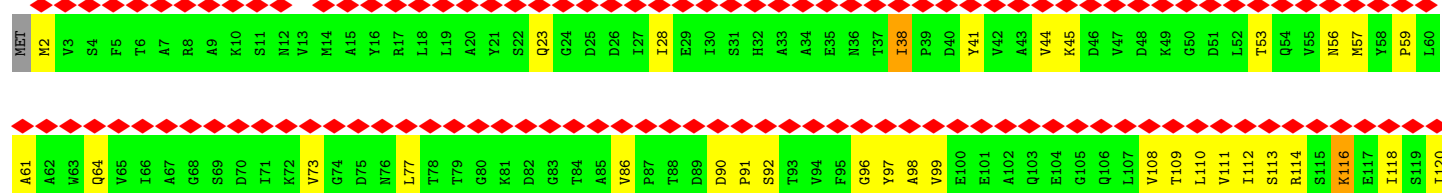
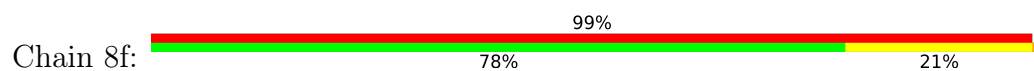


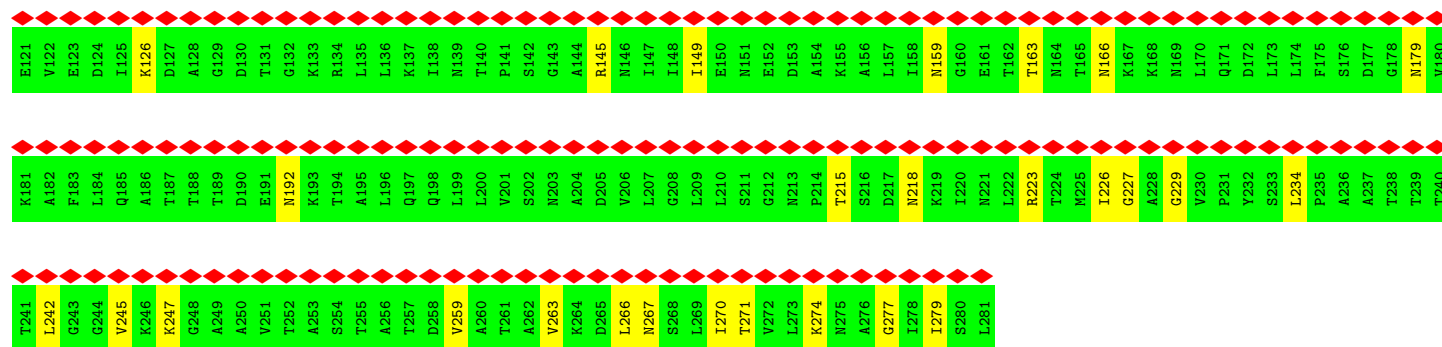


• Molecule 2: Capsid fiber protein

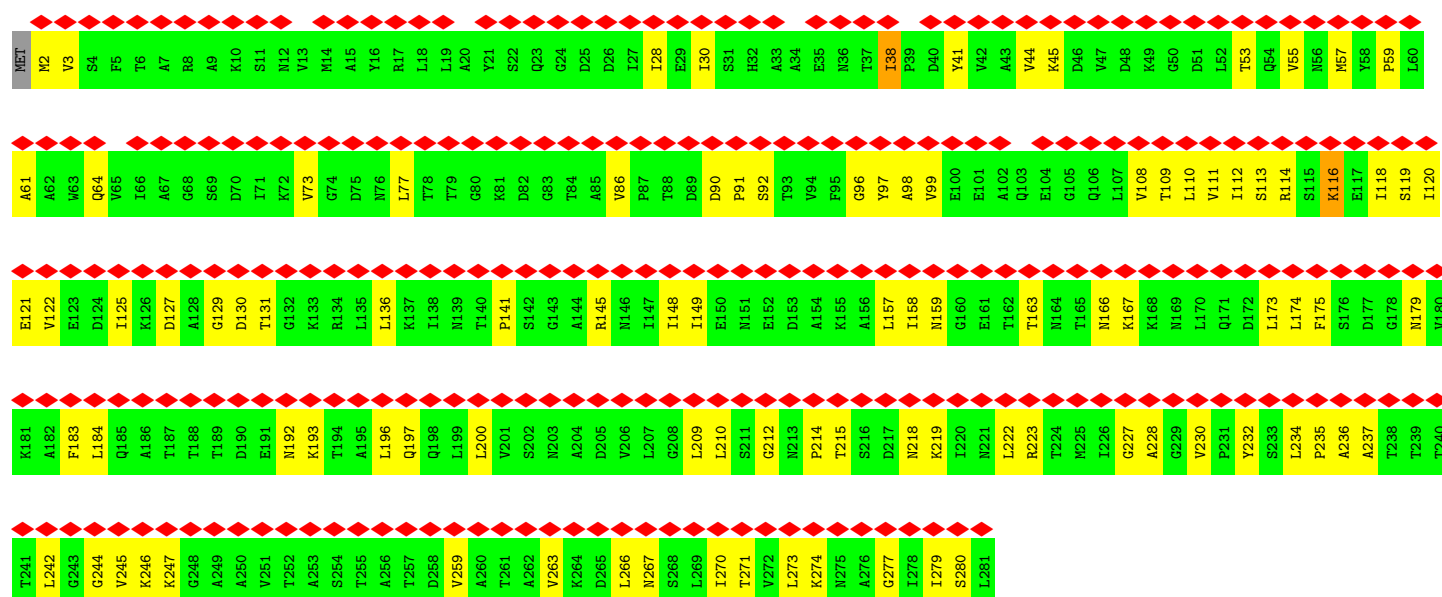


• Molecule 2: Capsid fiber protein

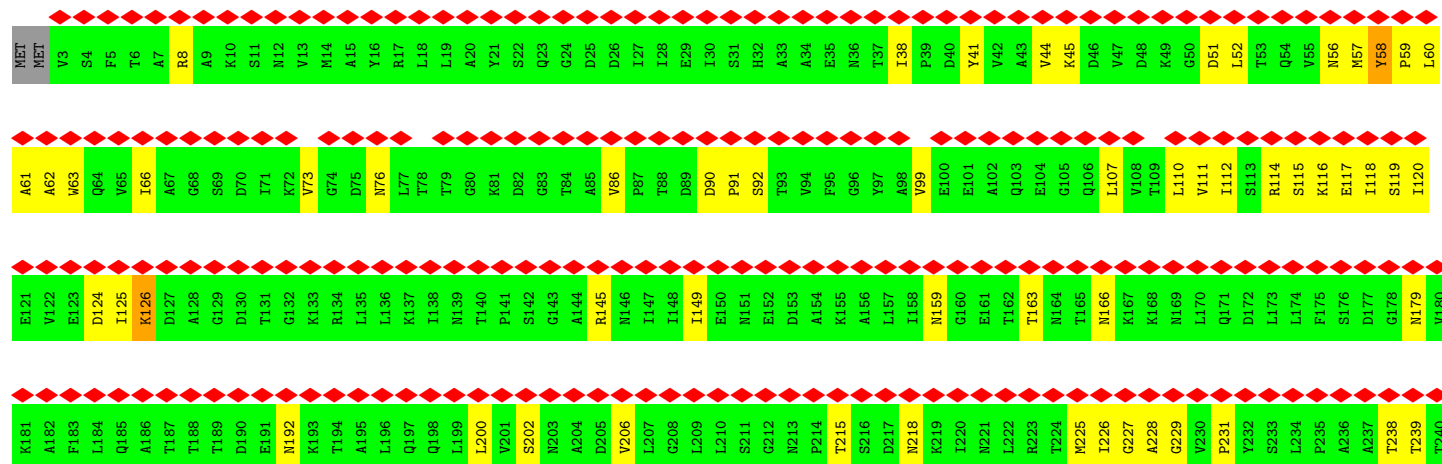
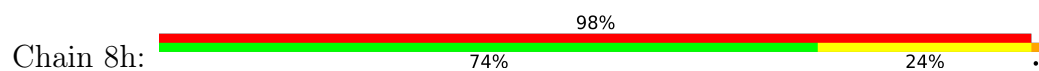




• Molecule 2: Capsid fiber protein

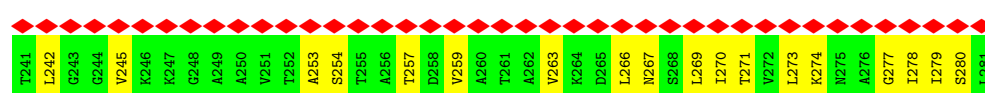
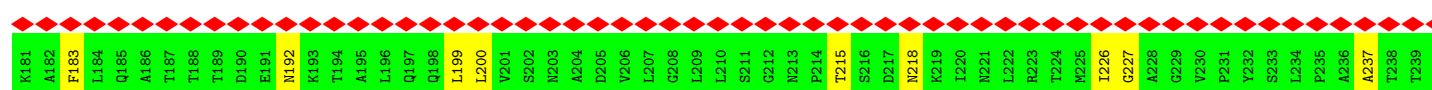


• Molecule 2: Capsid fiber protein

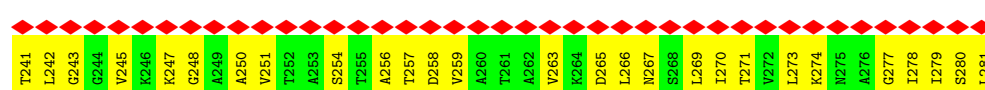
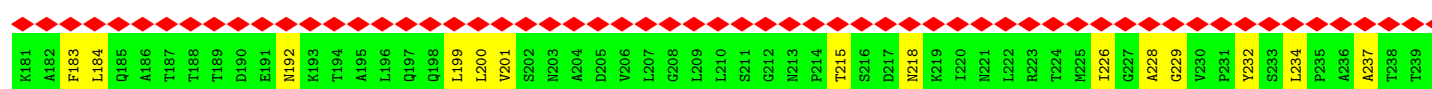
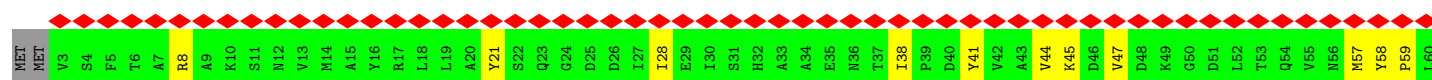




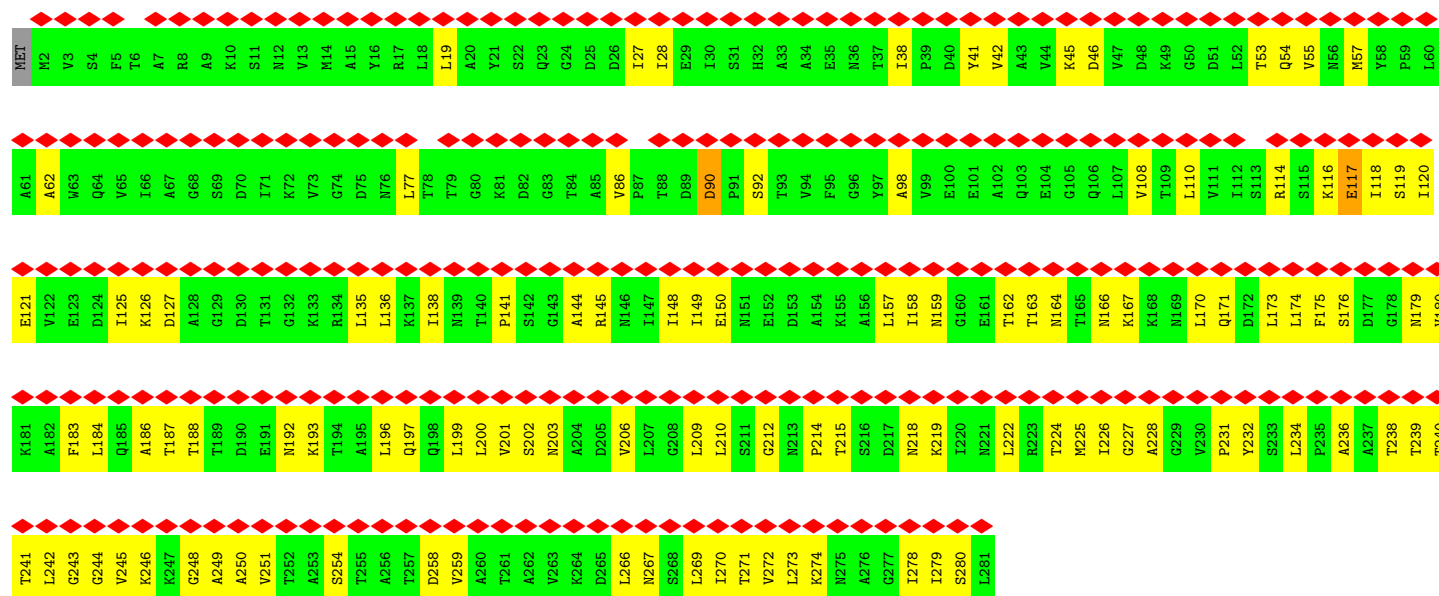
• Molecule 2: Capsid fiber protein



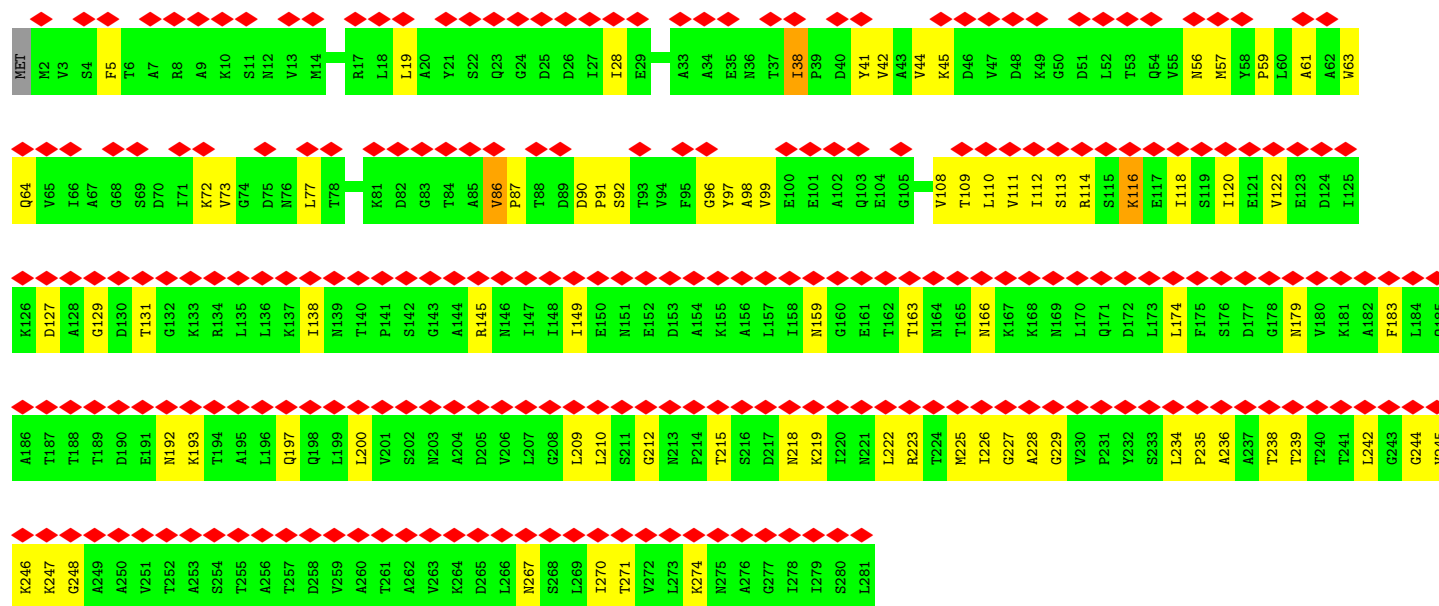
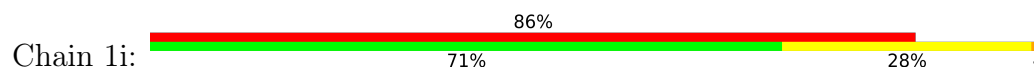
• Molecule 2: Capsid fiber protein



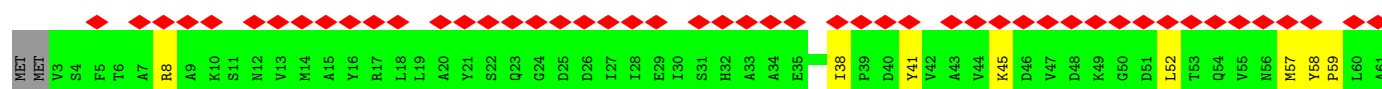
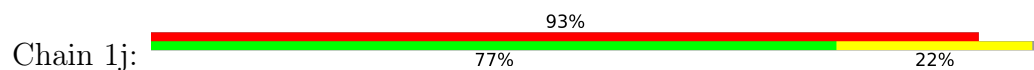
• Molecule 2: Capsid fiber protein

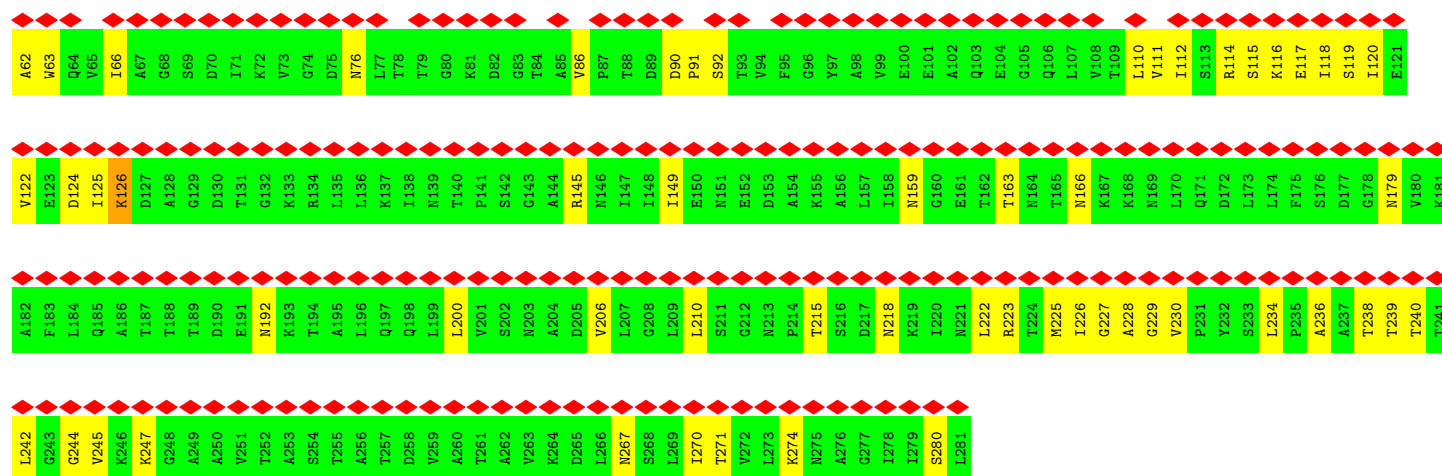


• Molecule 2: Capsid fiber protein

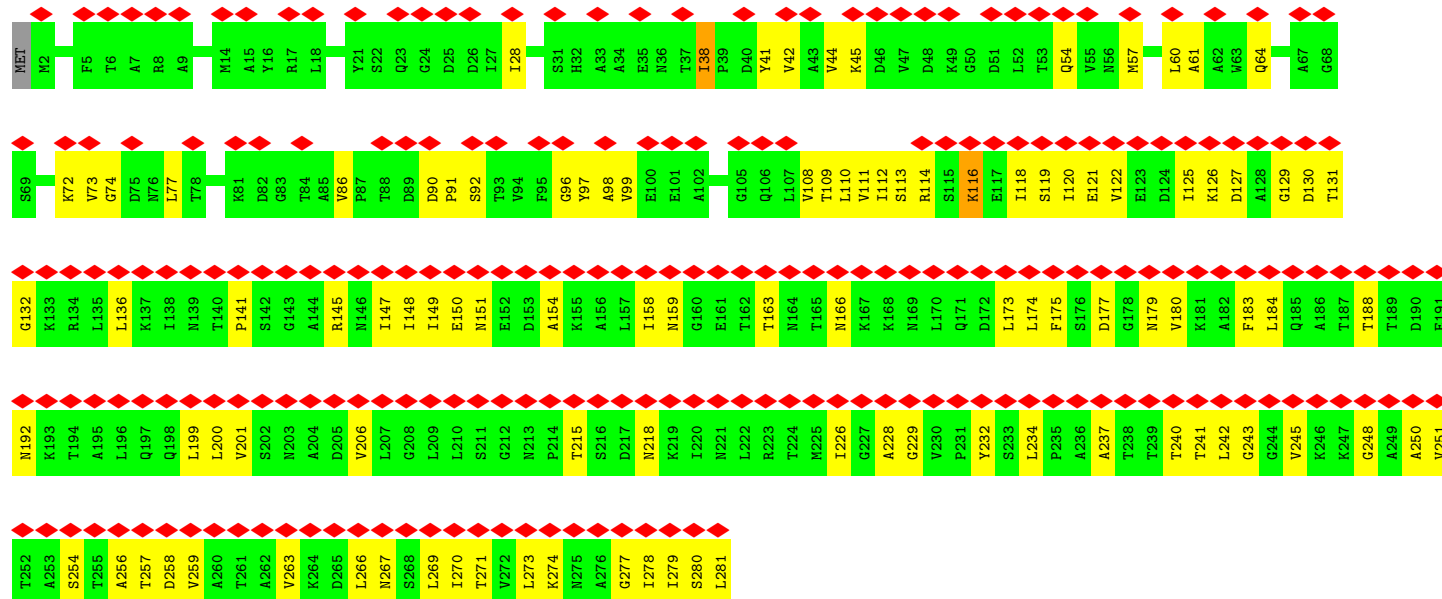
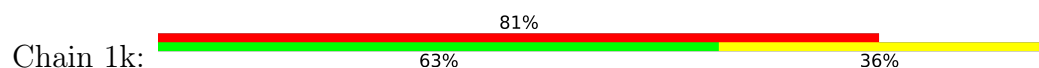


• Molecule 2: Capsid fiber protein

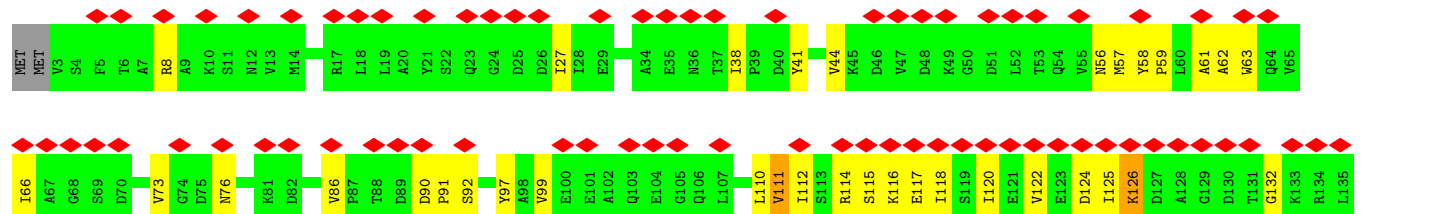
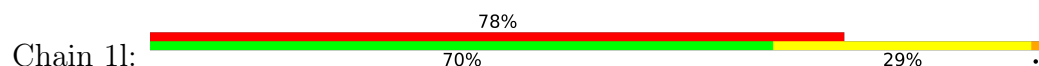


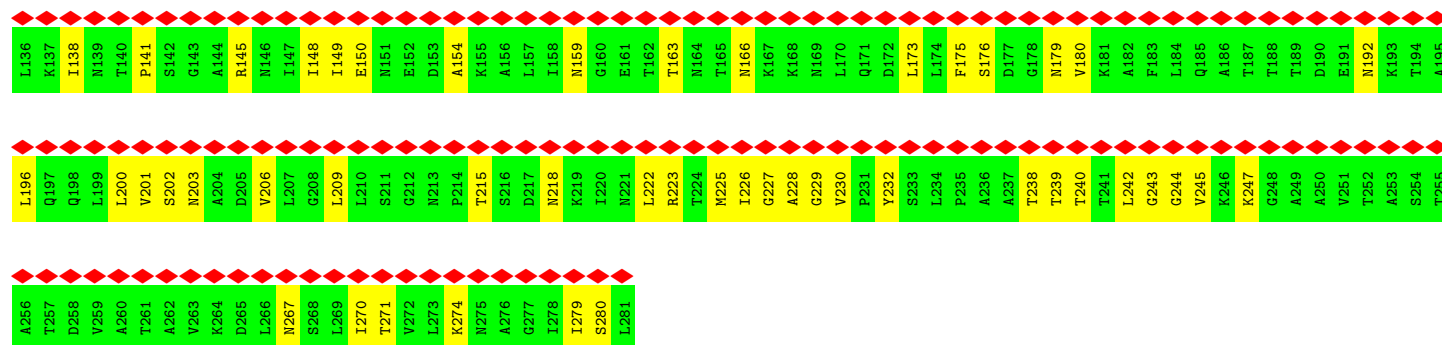


• Molecule 2: Capsid fiber protein

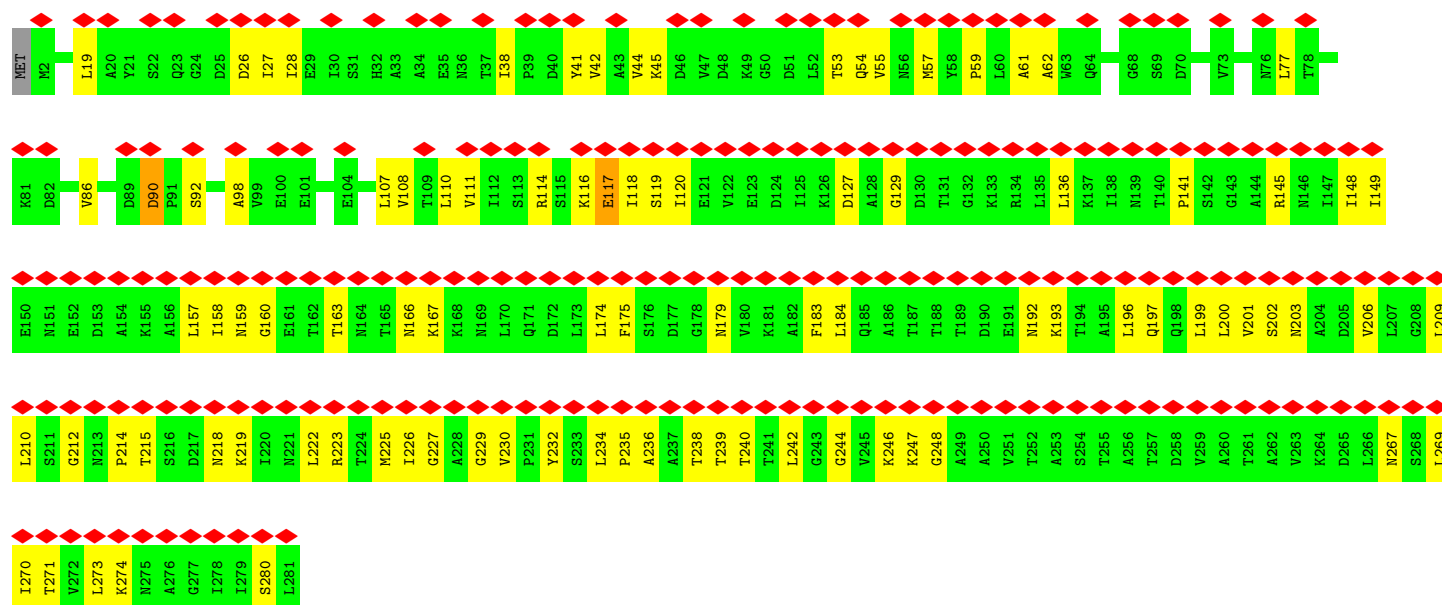
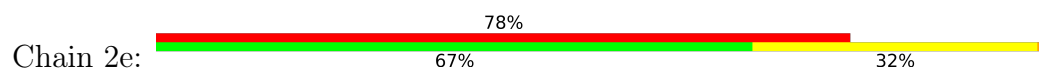


• Molecule 2: Capsid fiber protein

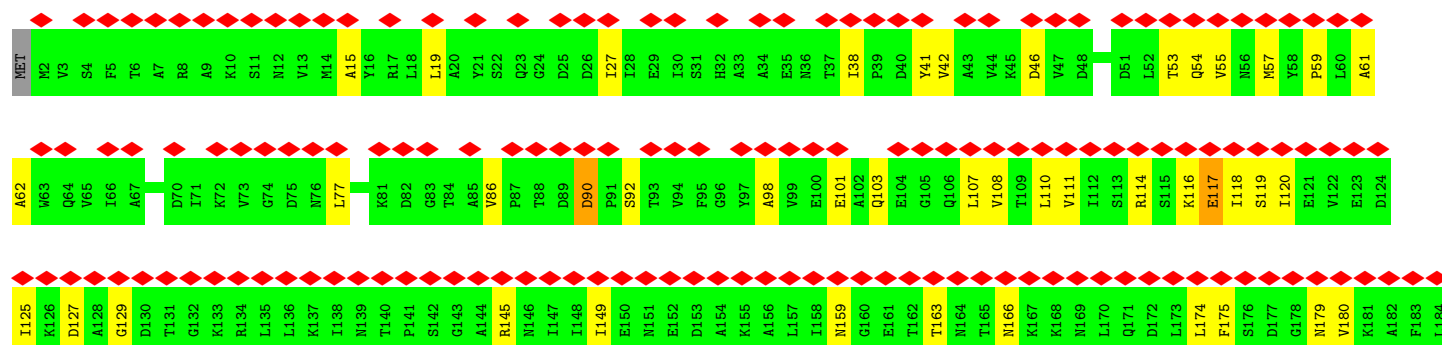
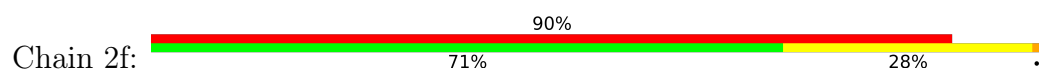


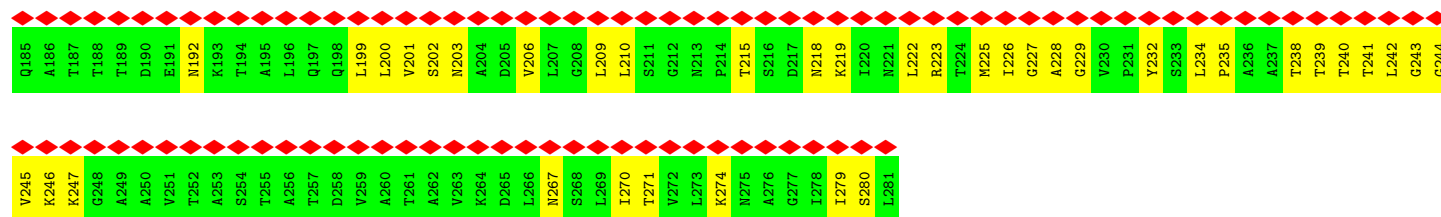


• Molecule 2: Capsid fiber protein

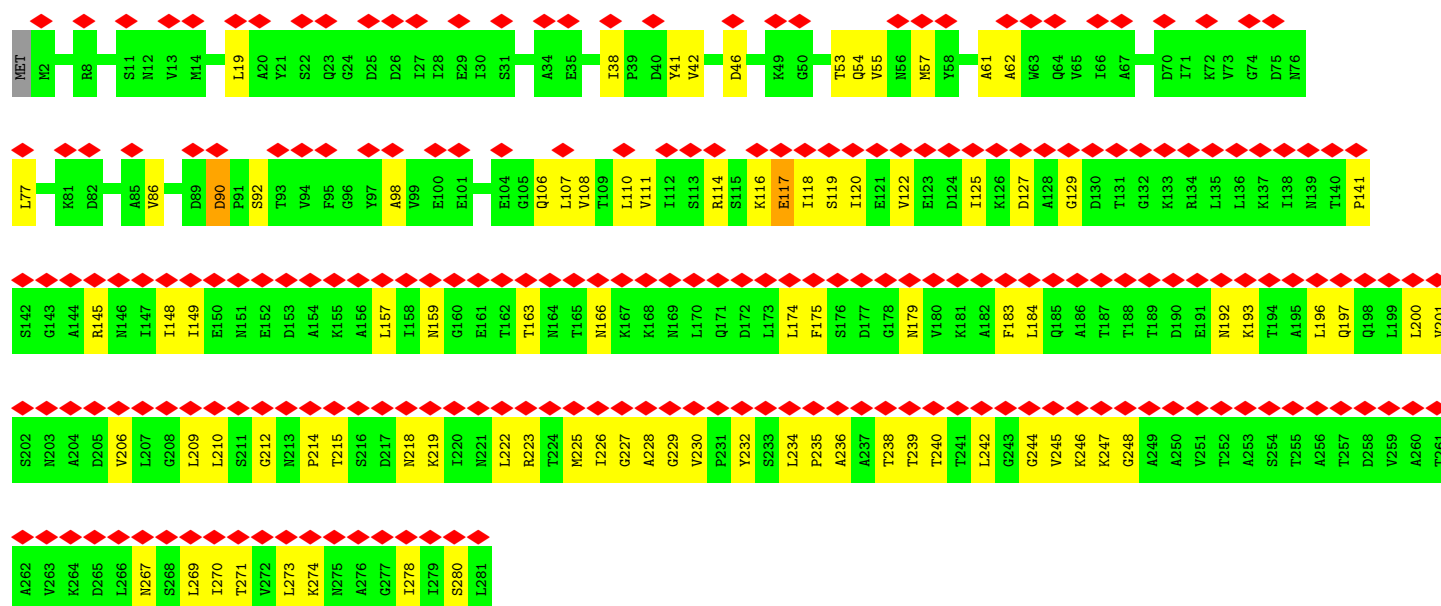
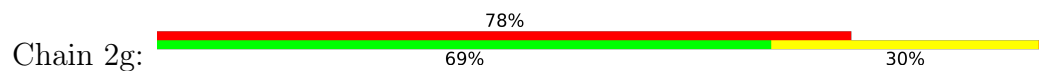


• Molecule 2: Capsid fiber protein

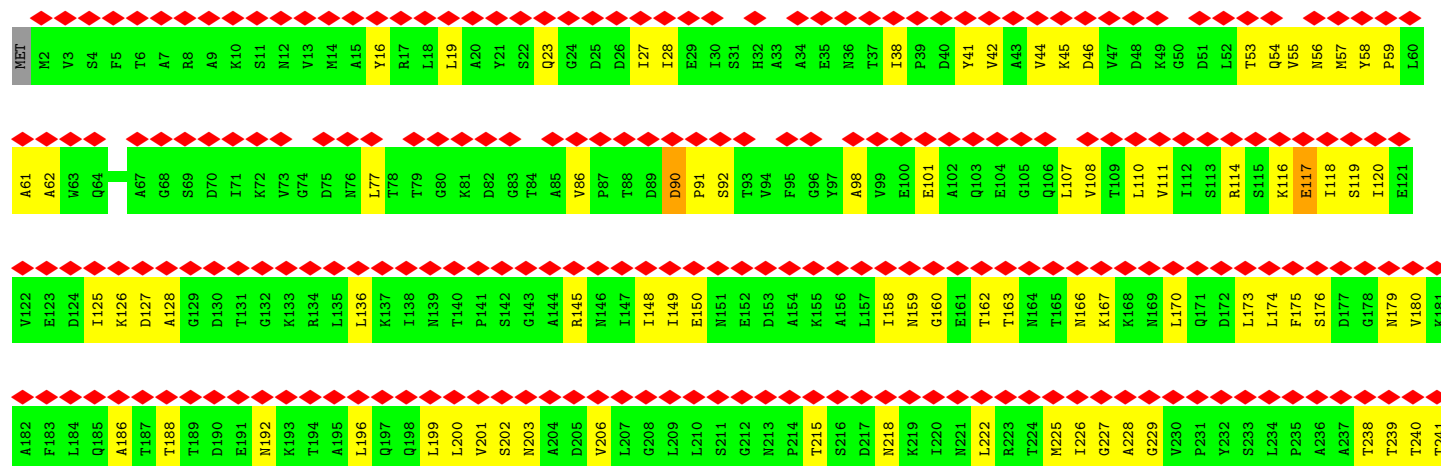


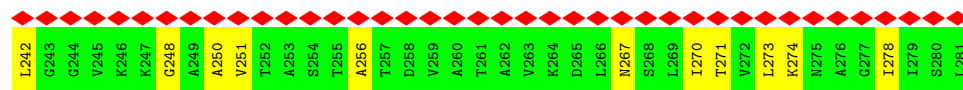


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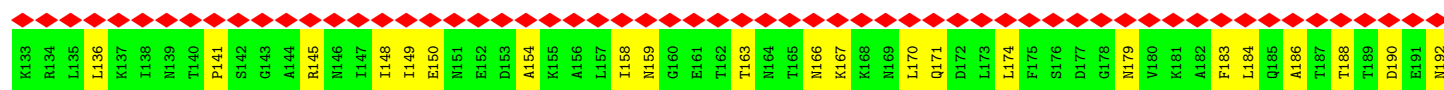
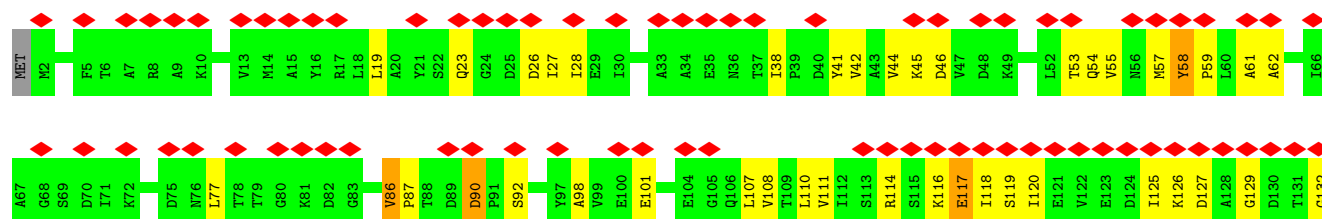
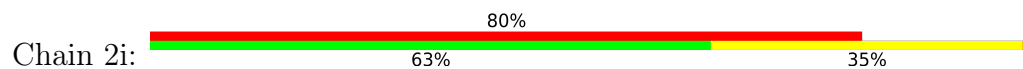


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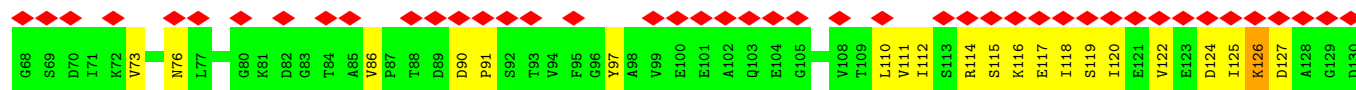
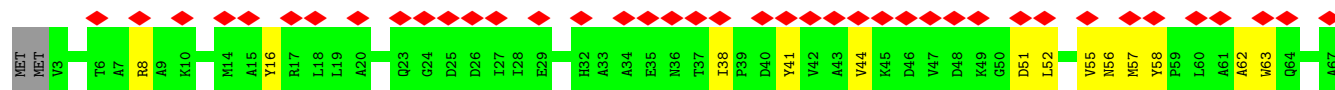
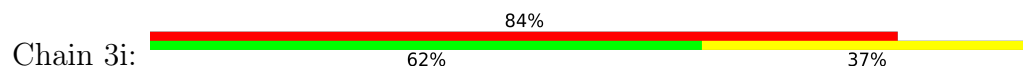




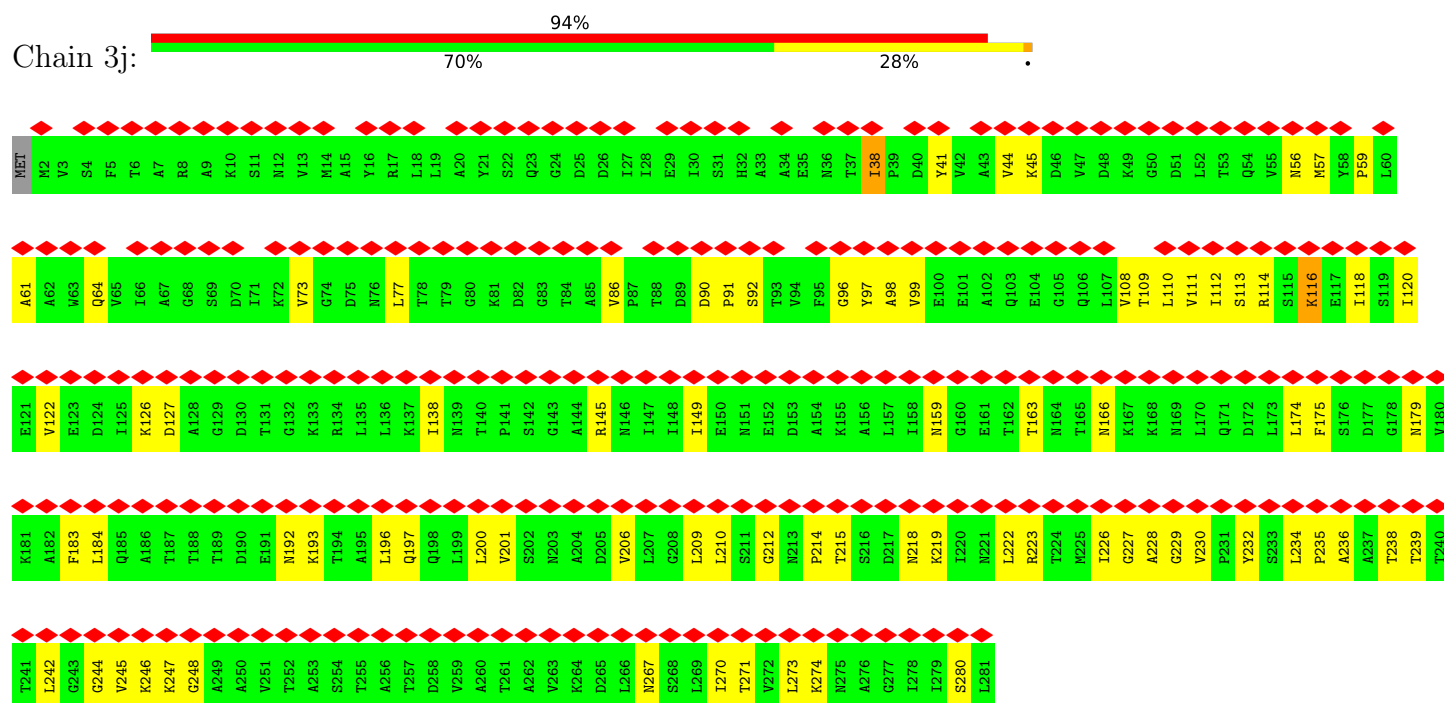
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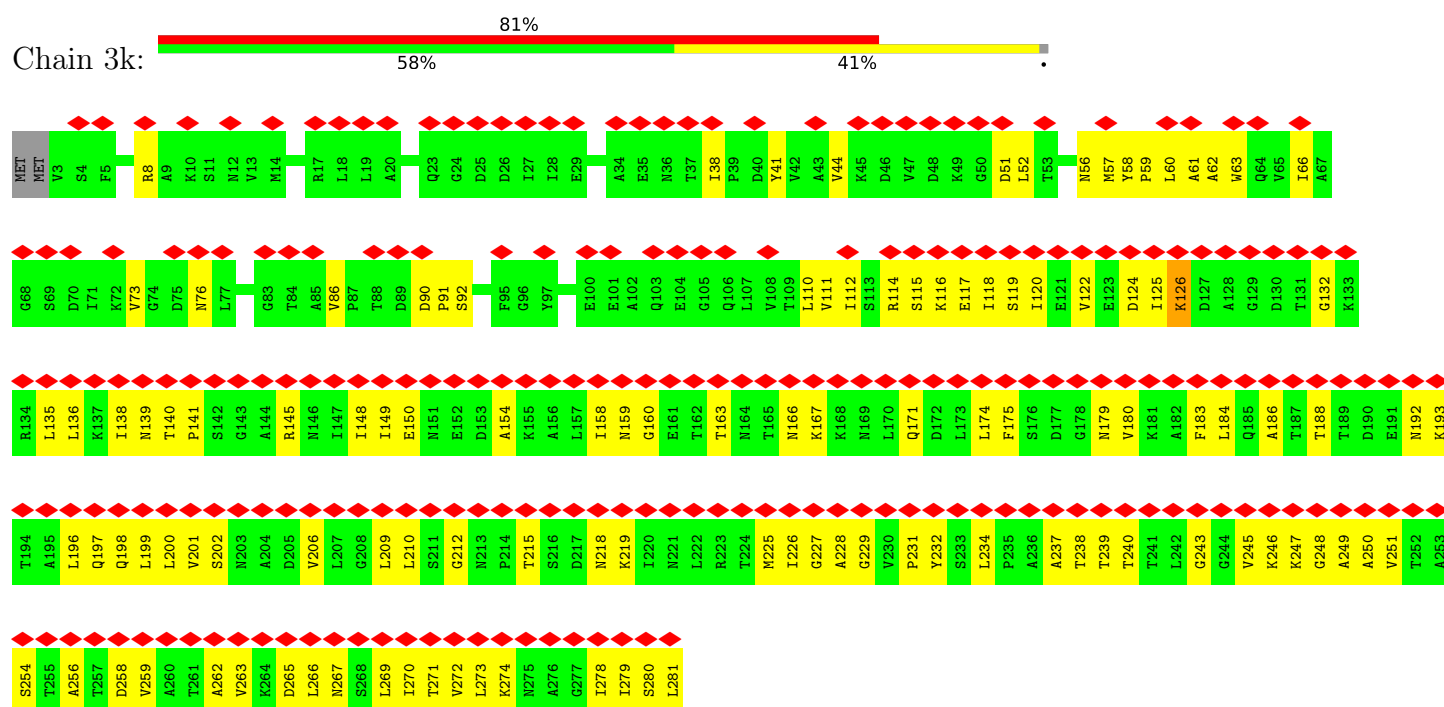
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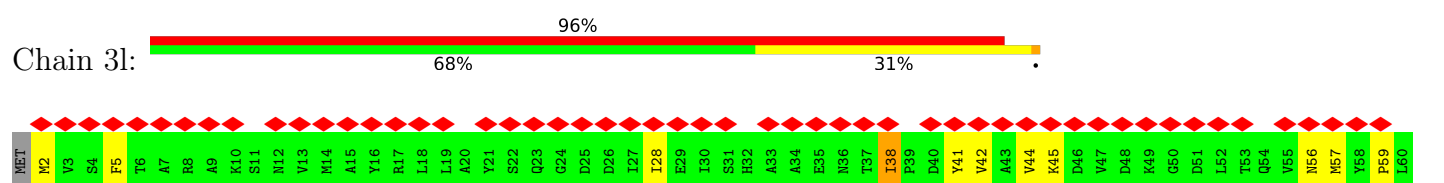
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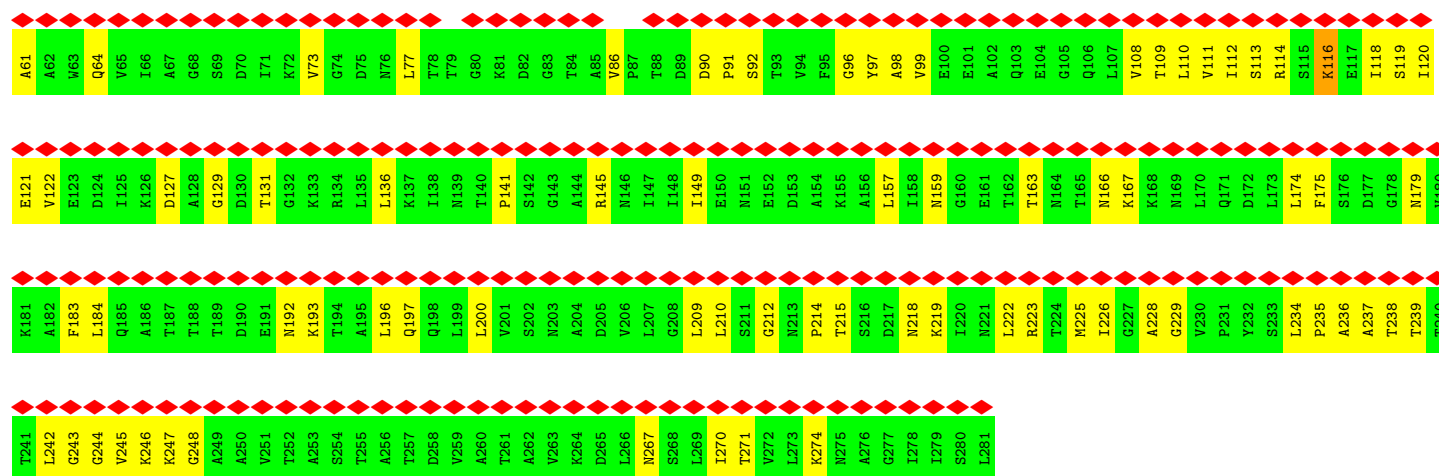


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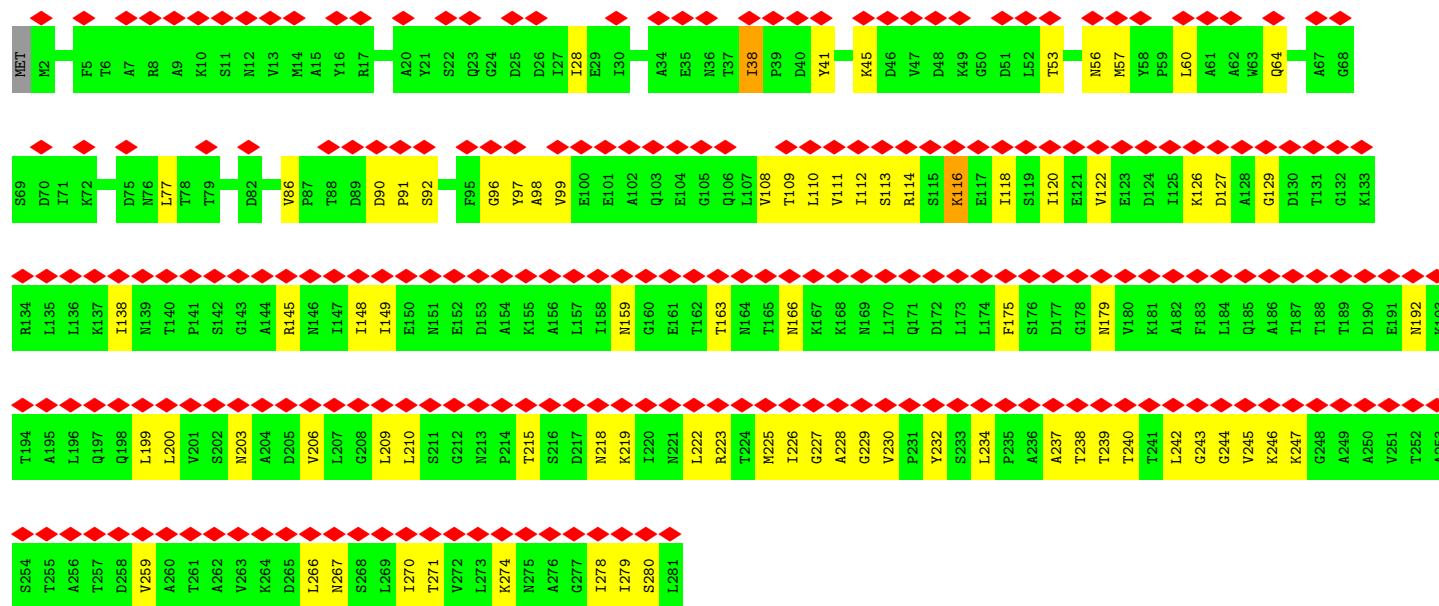
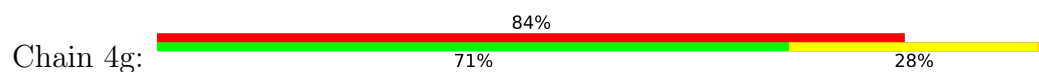


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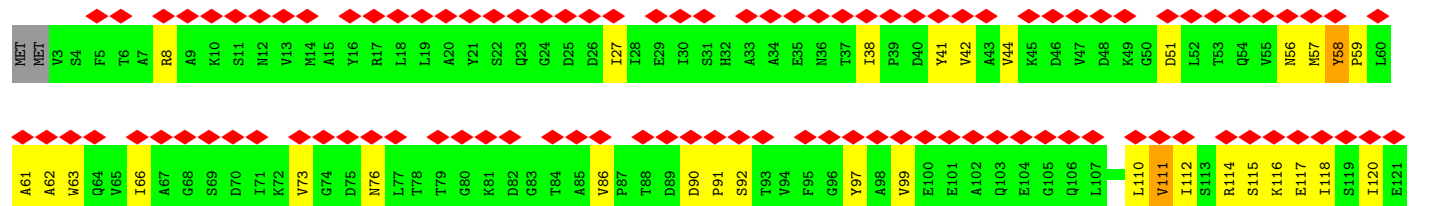
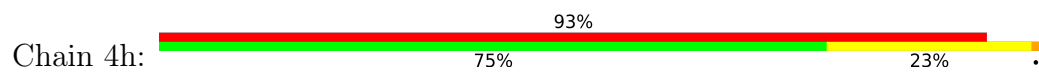




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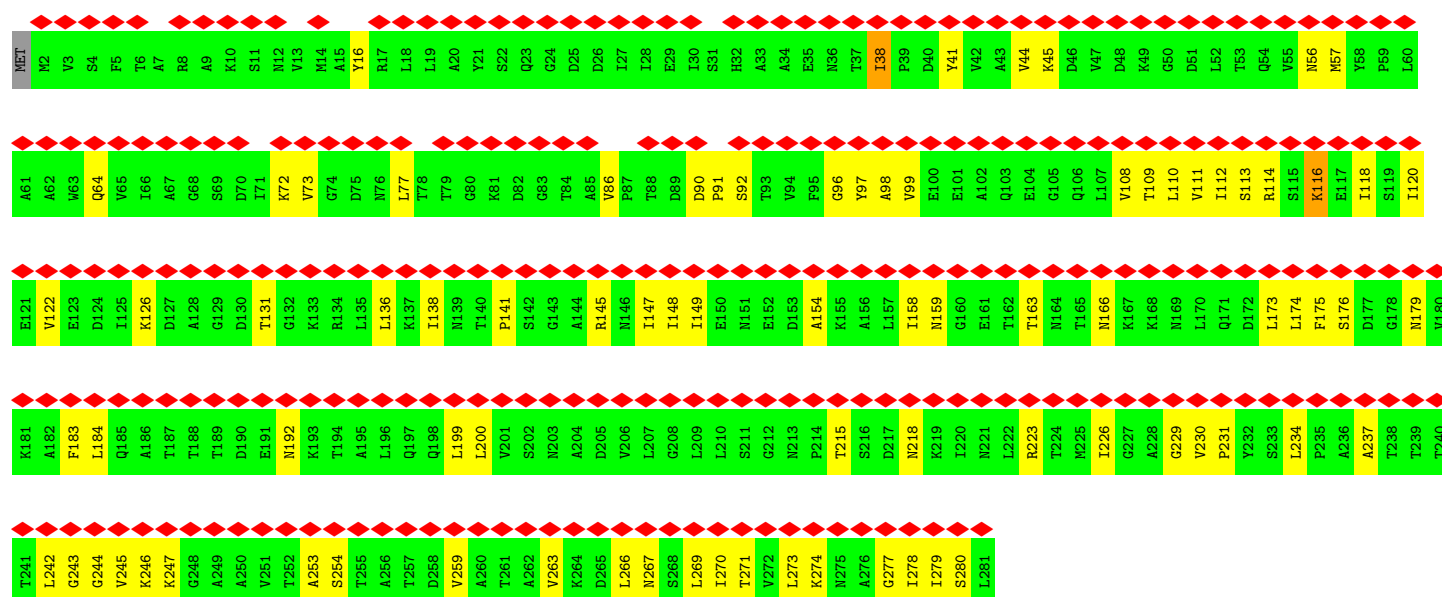
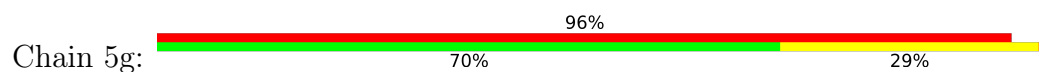


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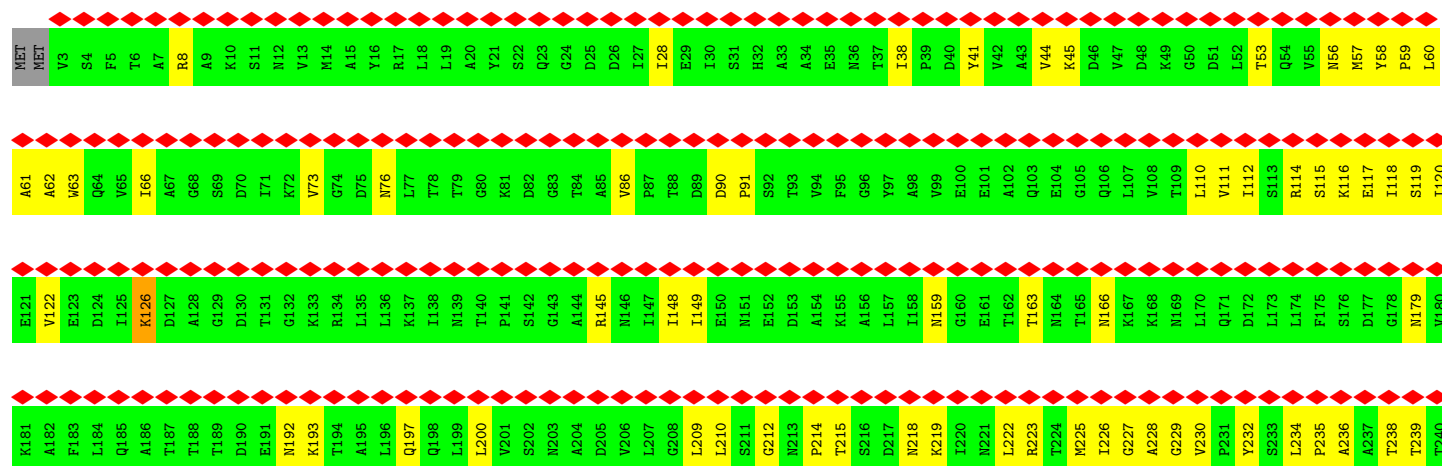
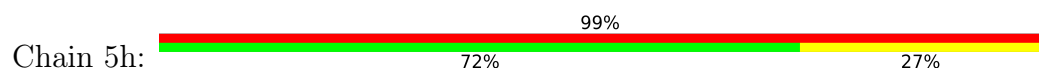


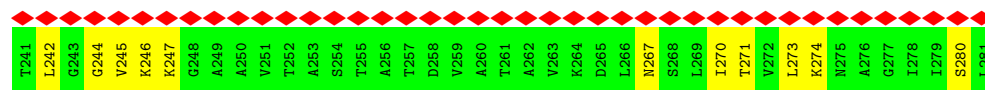


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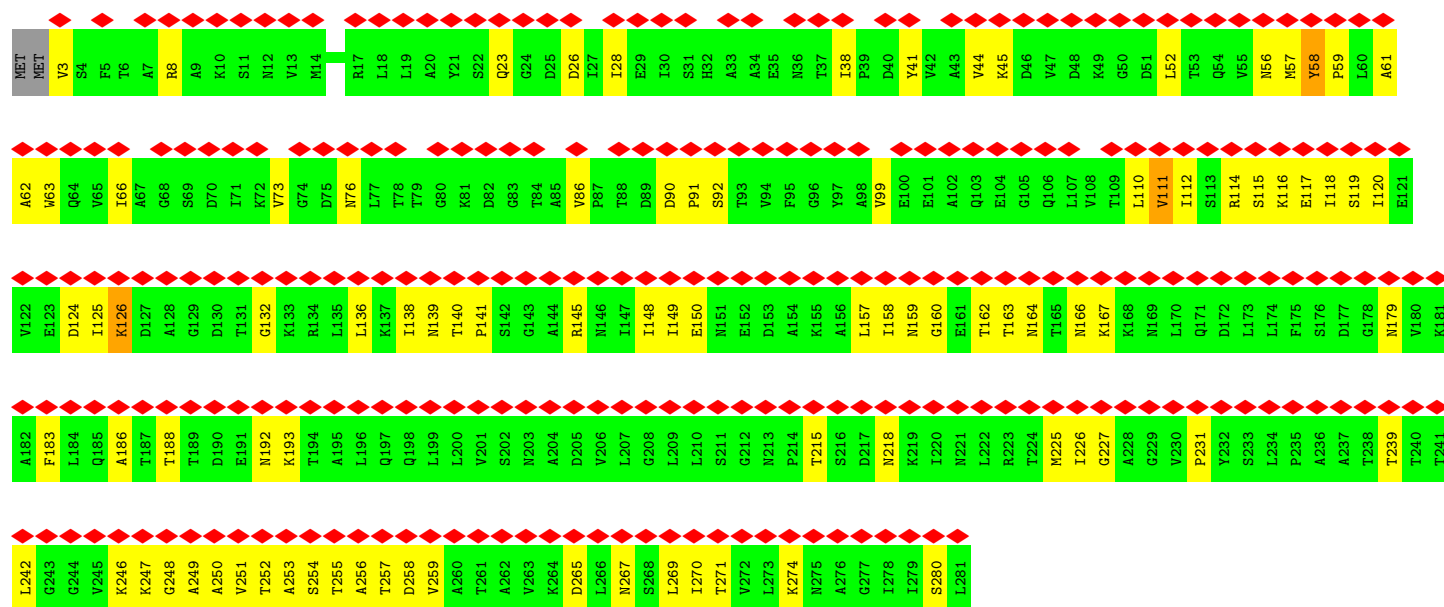
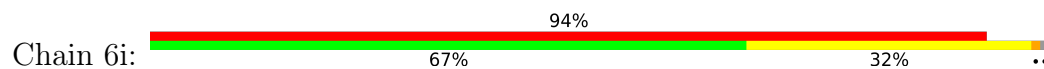


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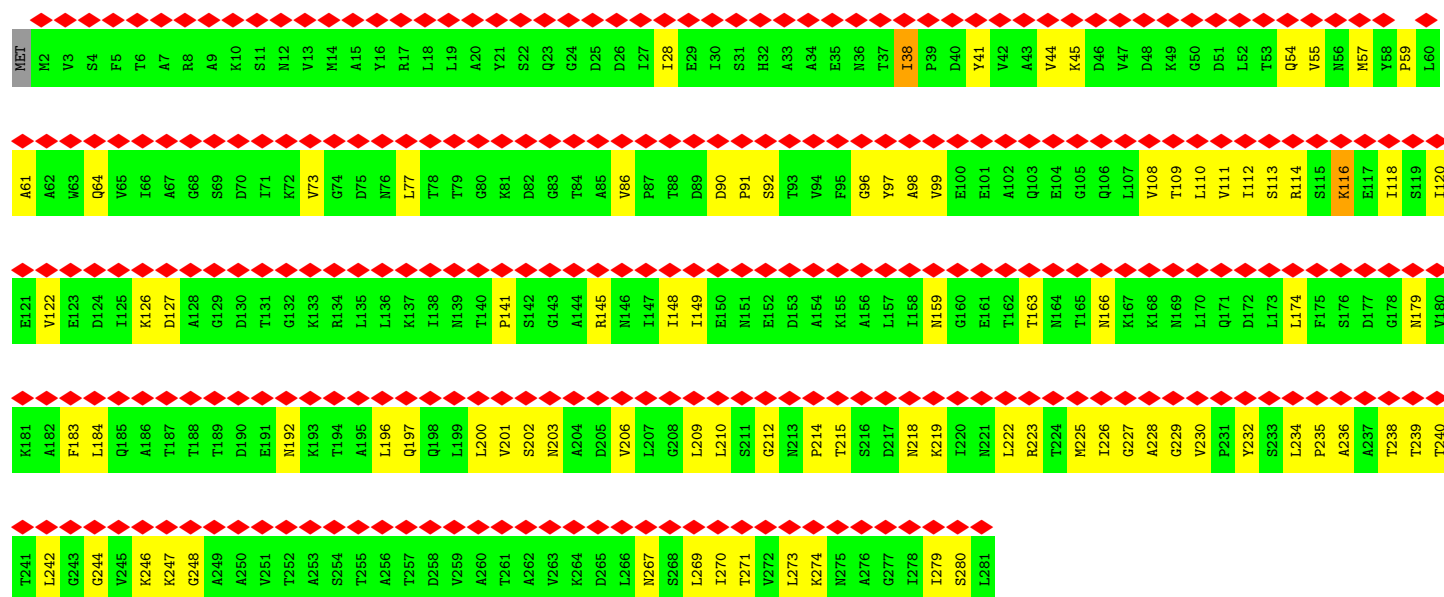




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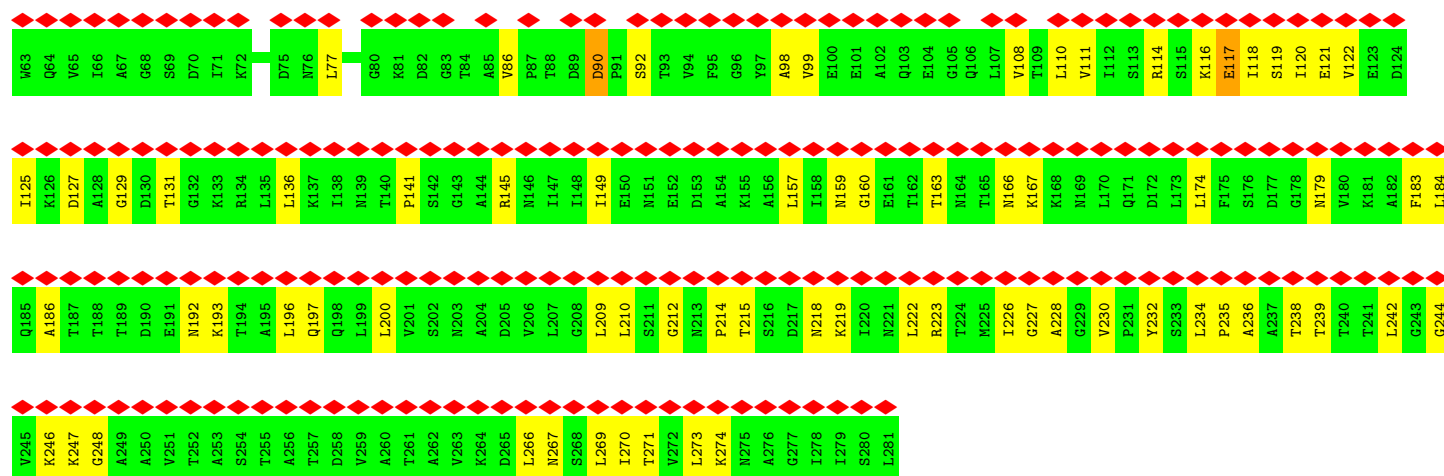


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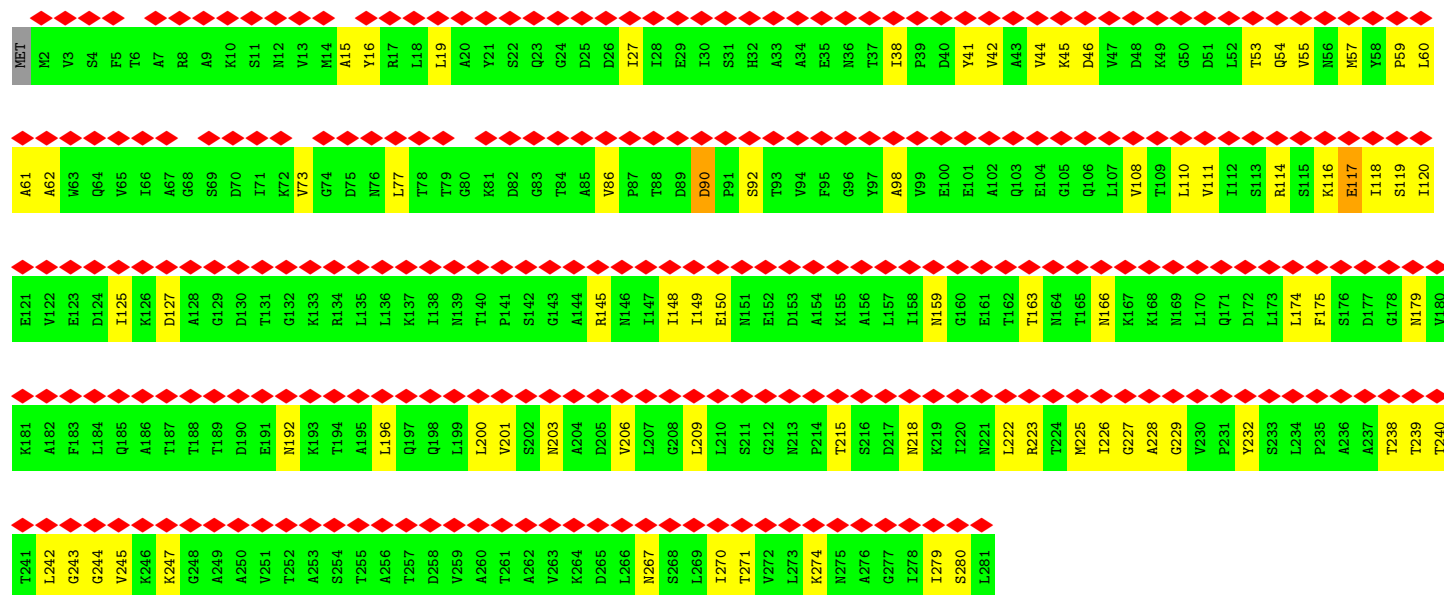
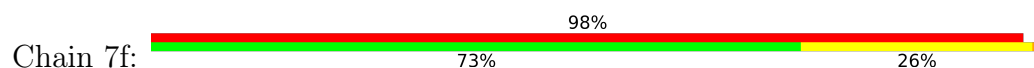


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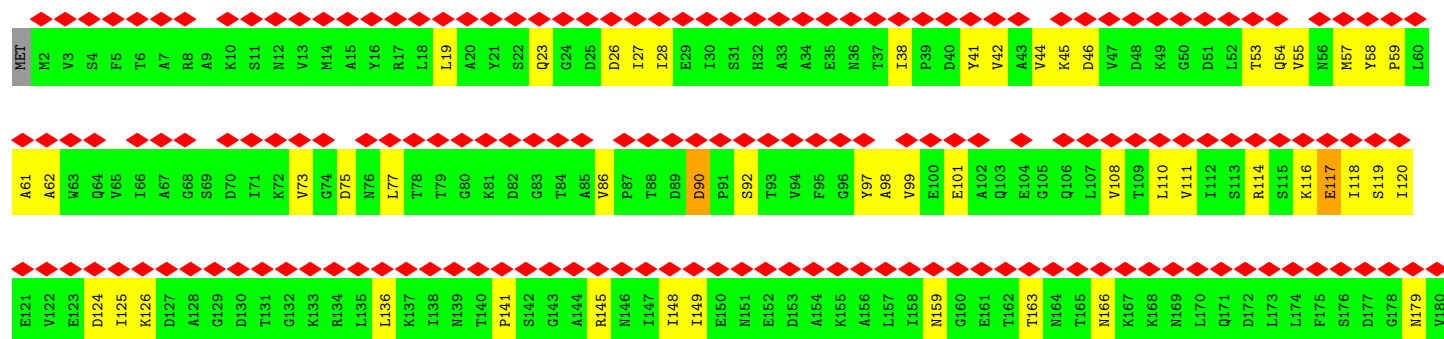
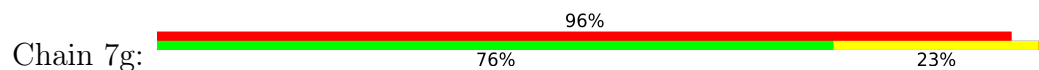


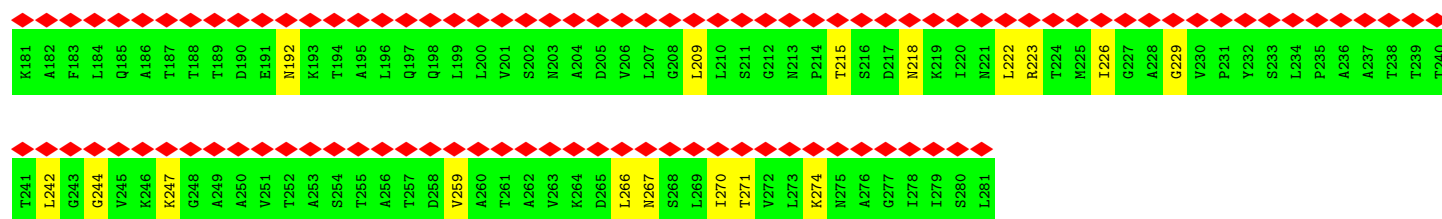


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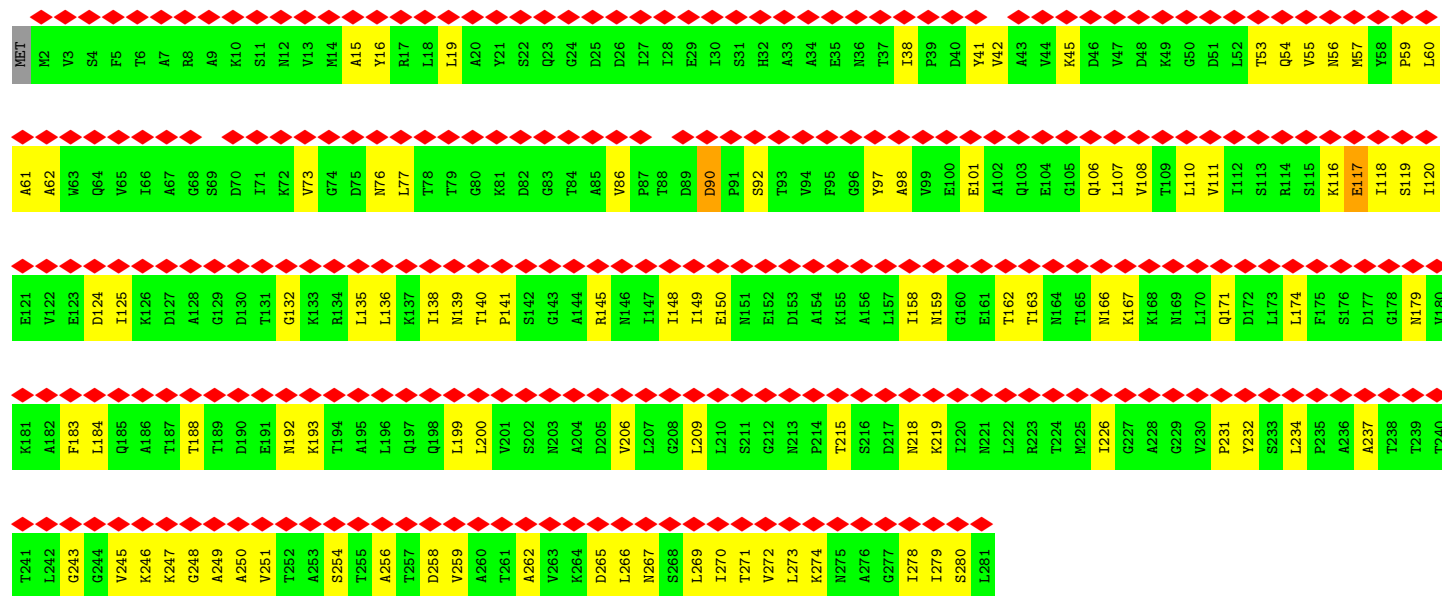


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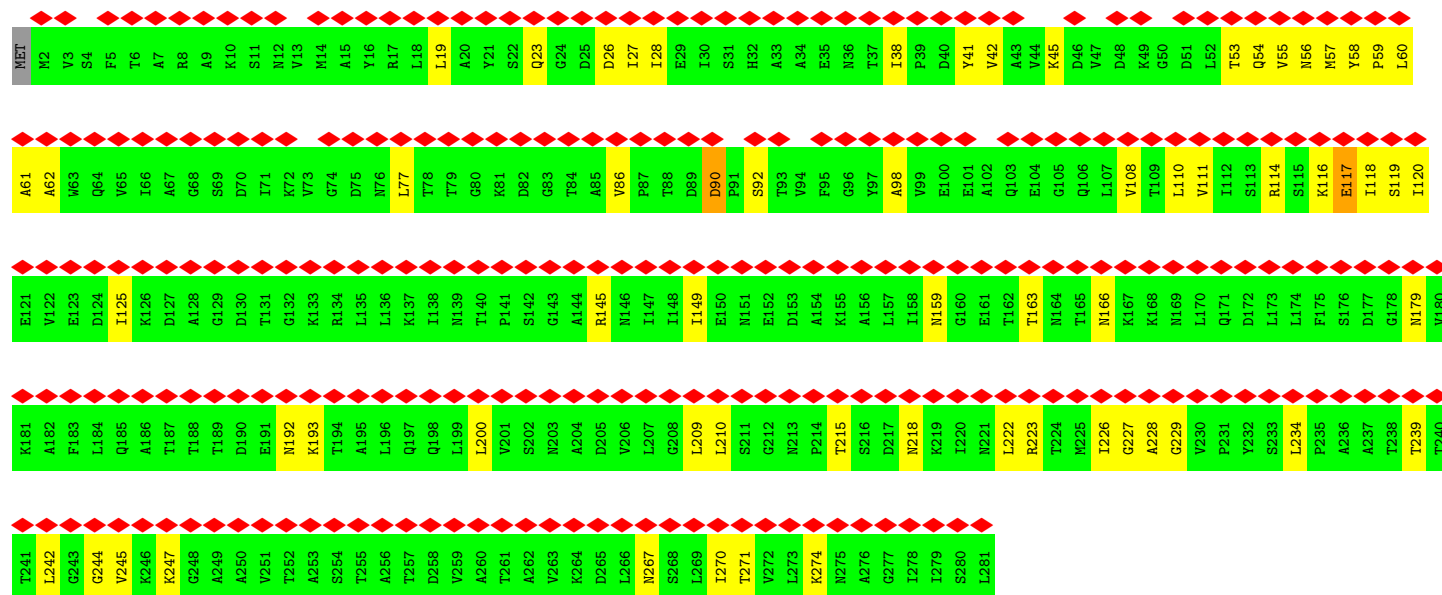
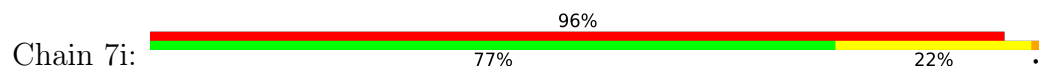




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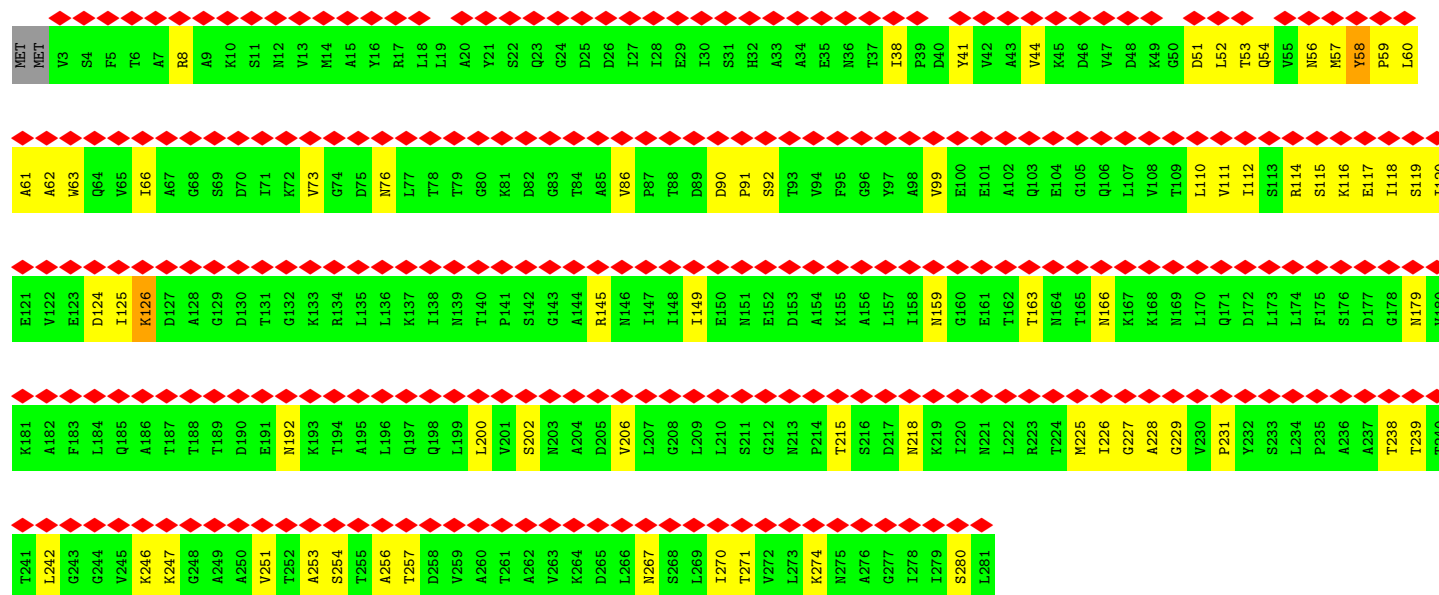
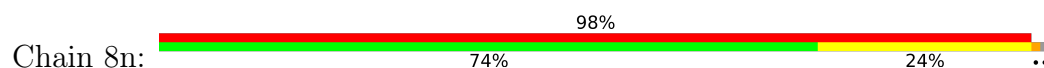


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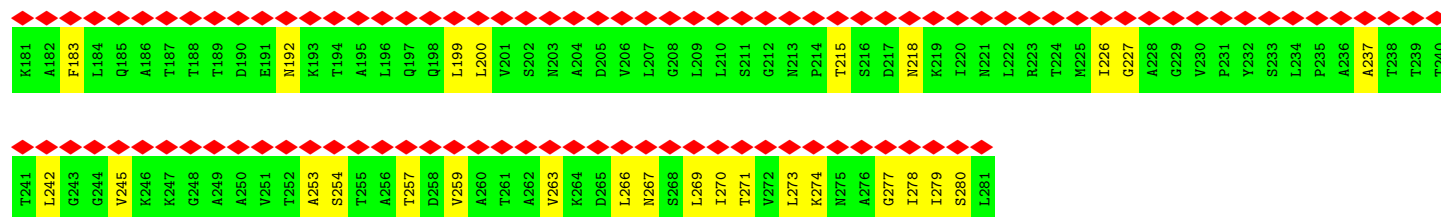


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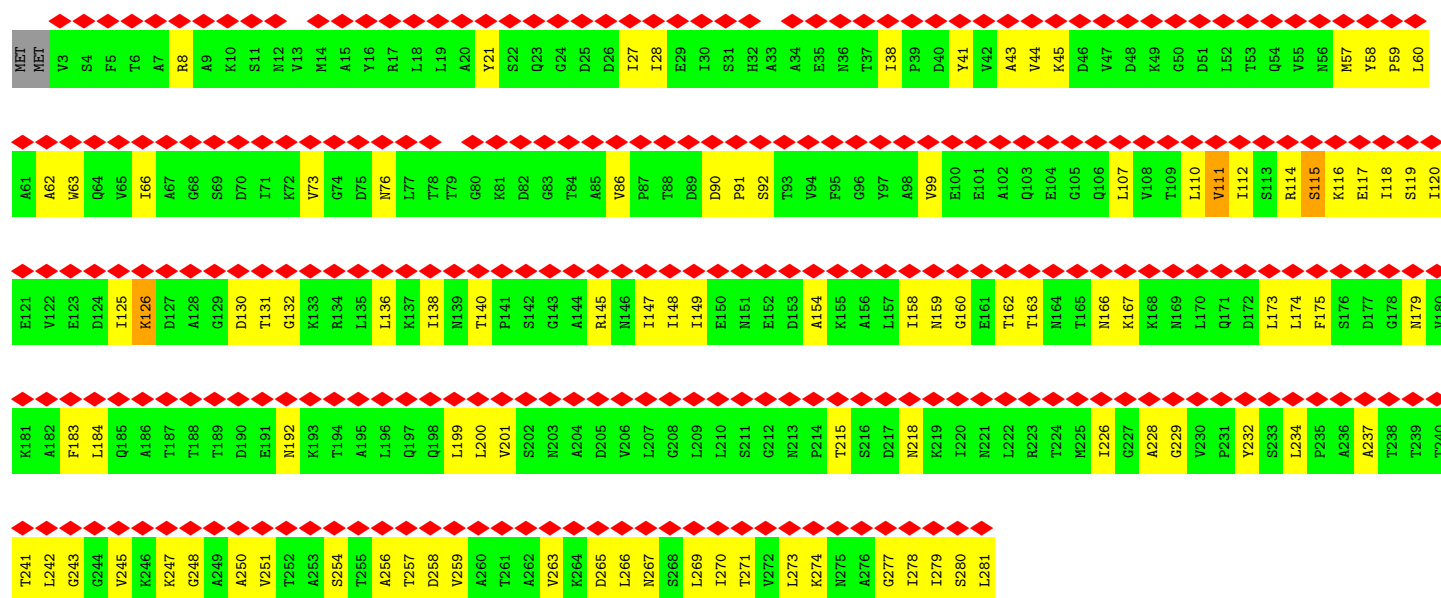
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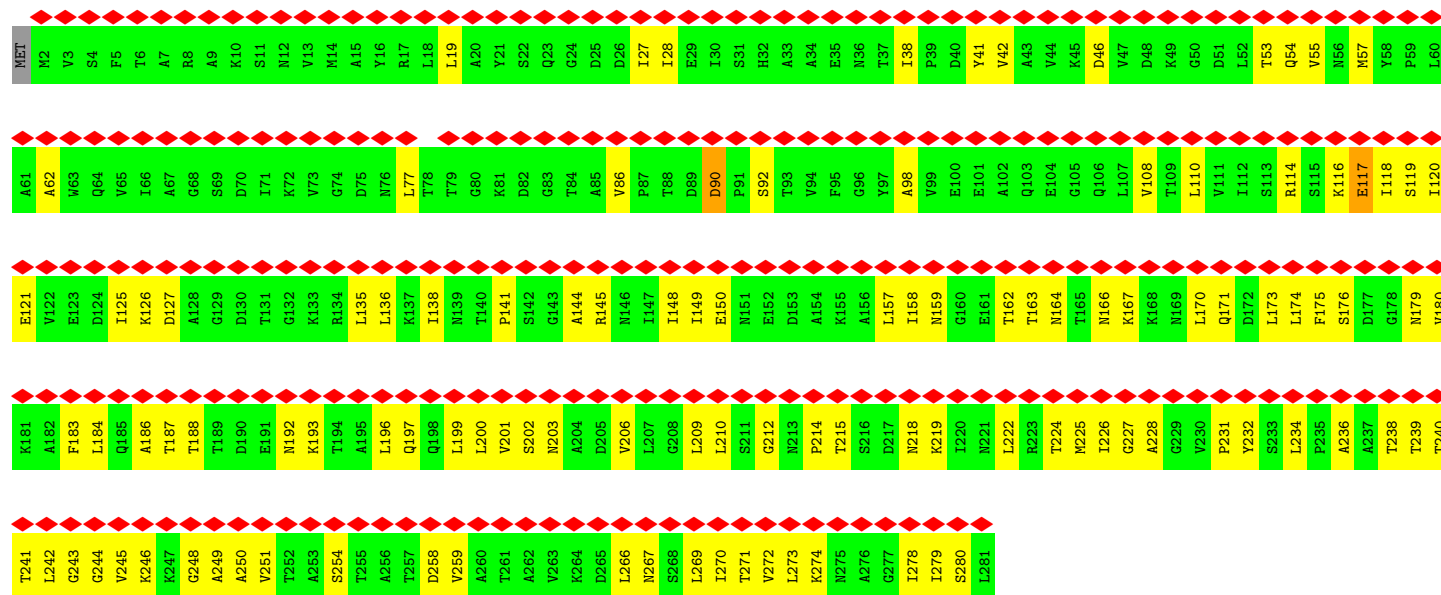
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Chain 8p: 98% 64% 34% ..



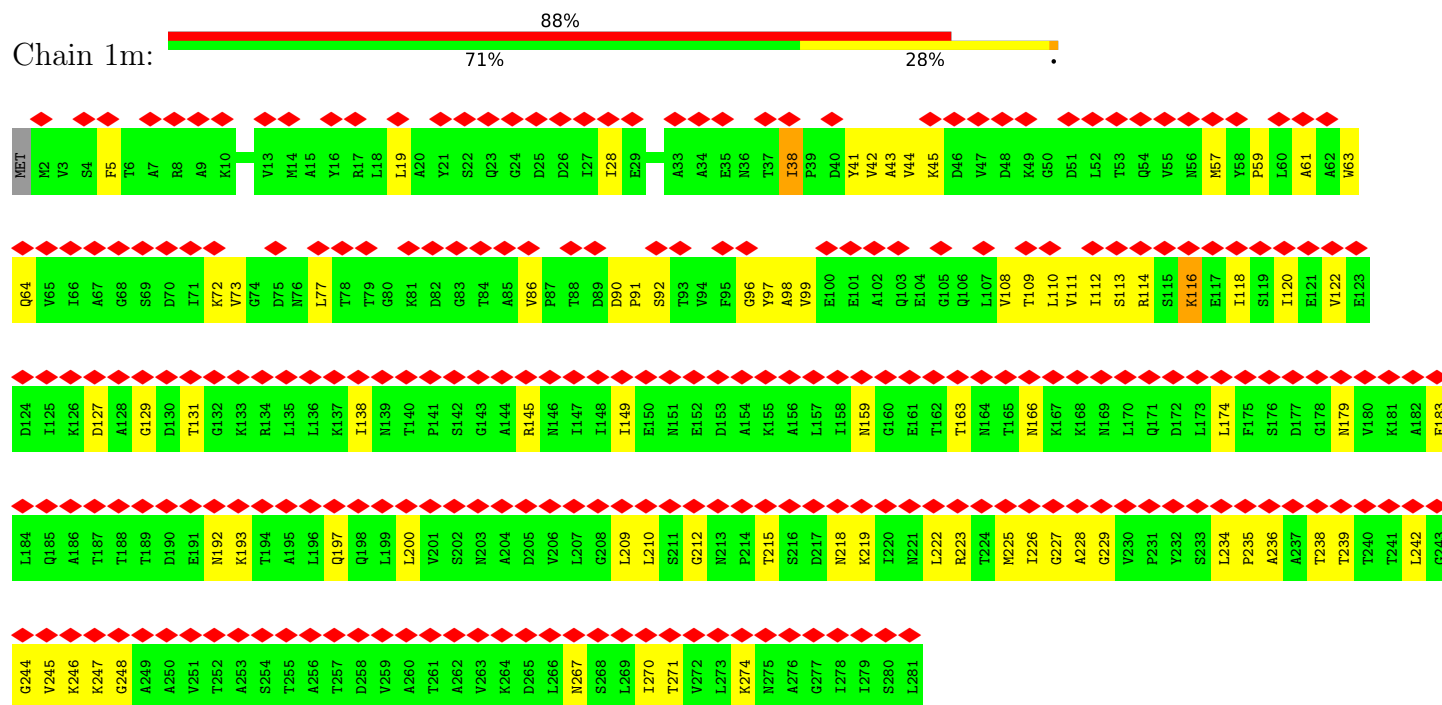
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Chain 9G: 99% 59% 40% .



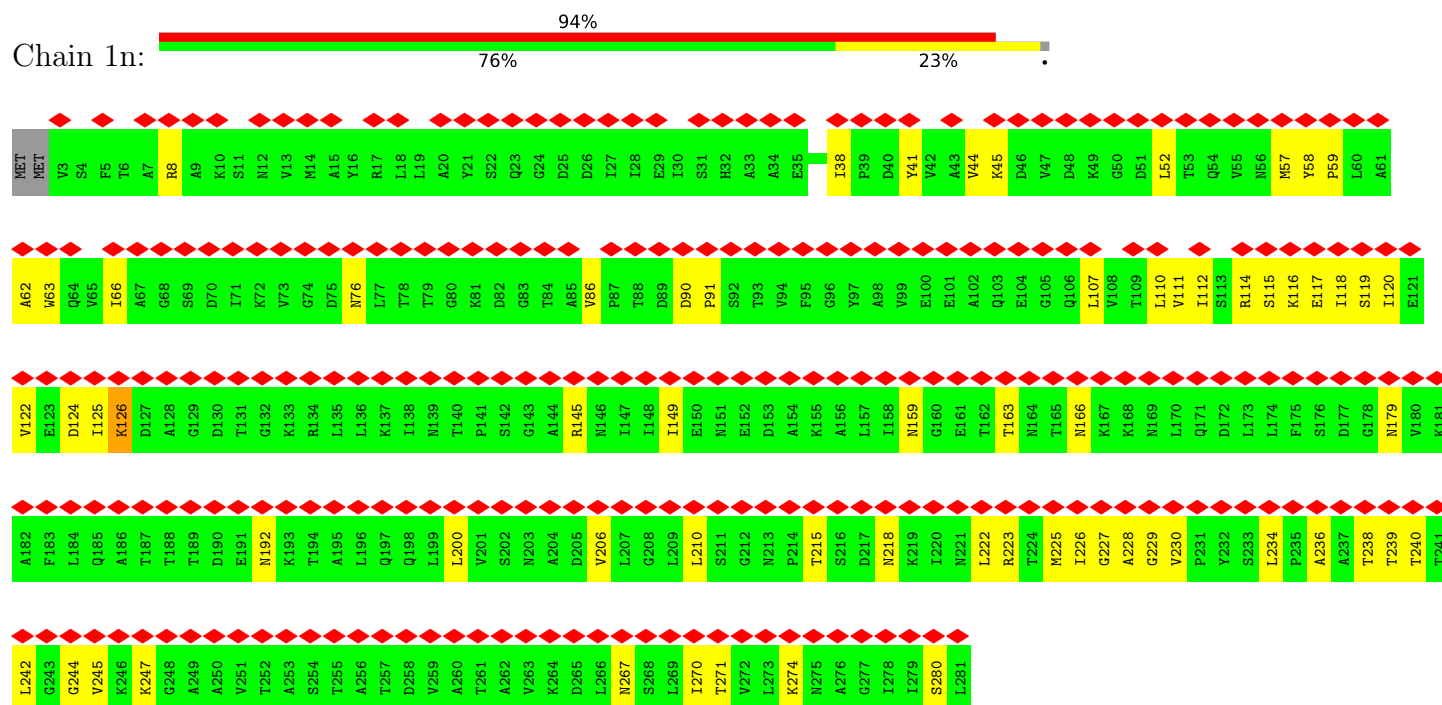
• Molecule 2: Capsid fiber protein

Chain 1m:



• Molecule 2: Capsid fiber protein

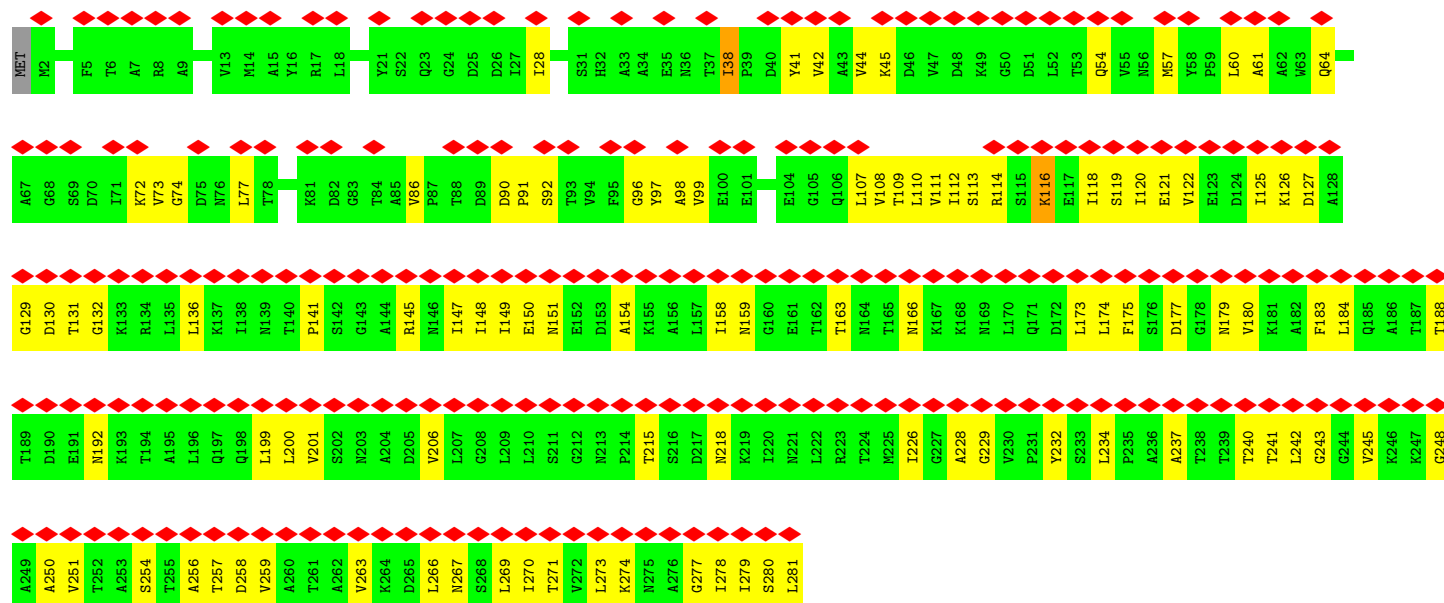
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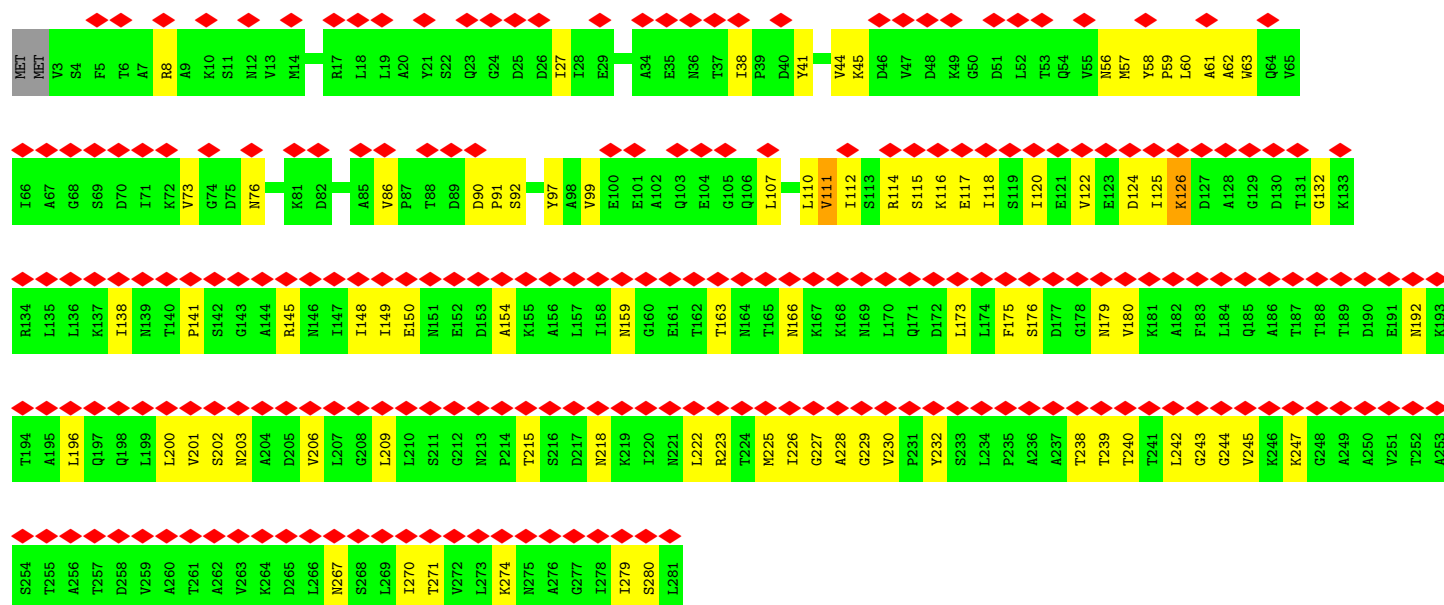
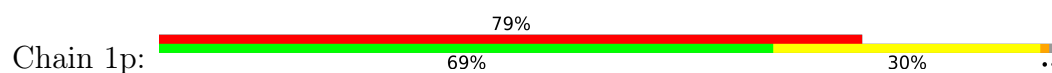
• Molecule 2: Capsid fiber protein

Chain 1o:

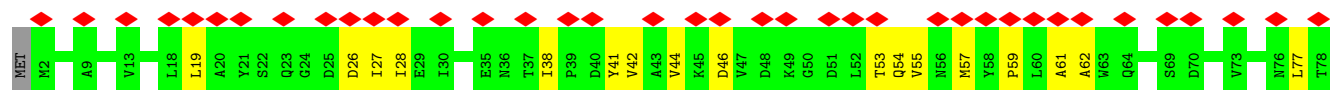
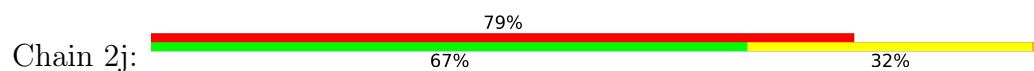




- Molecule 2: Capsid fiber protein

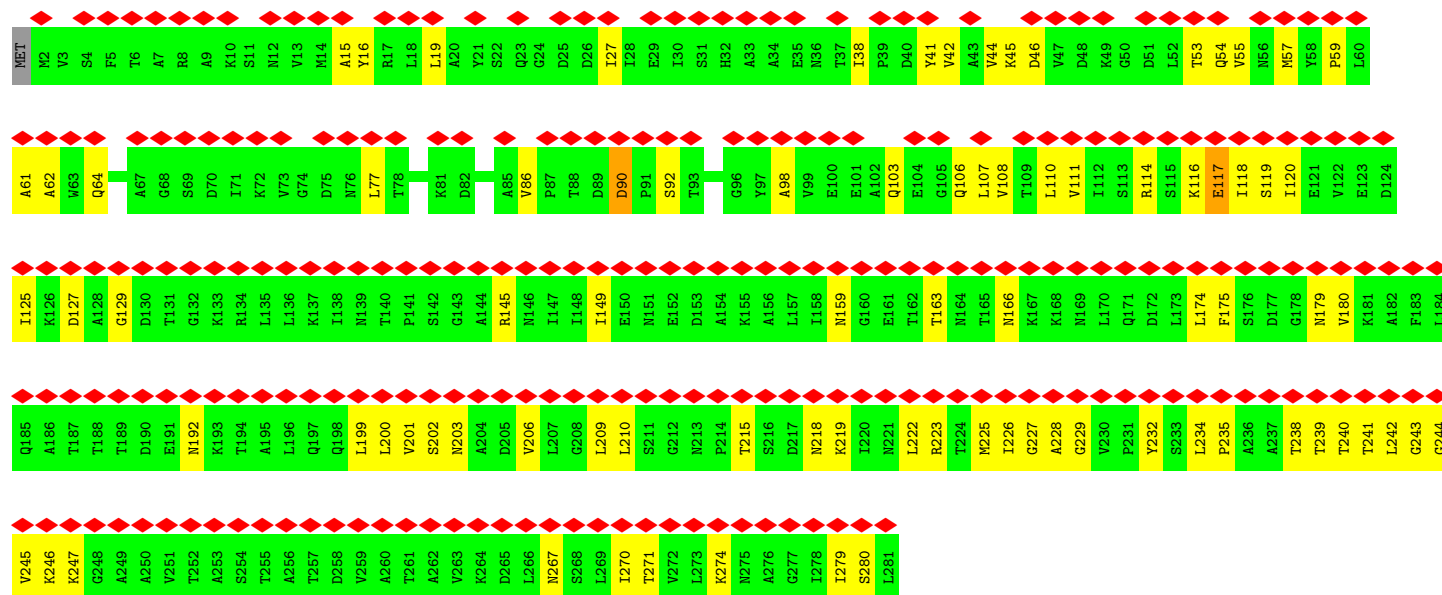
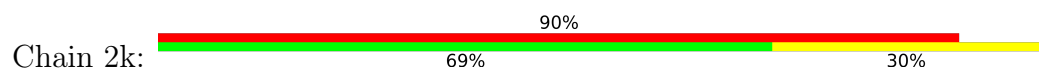


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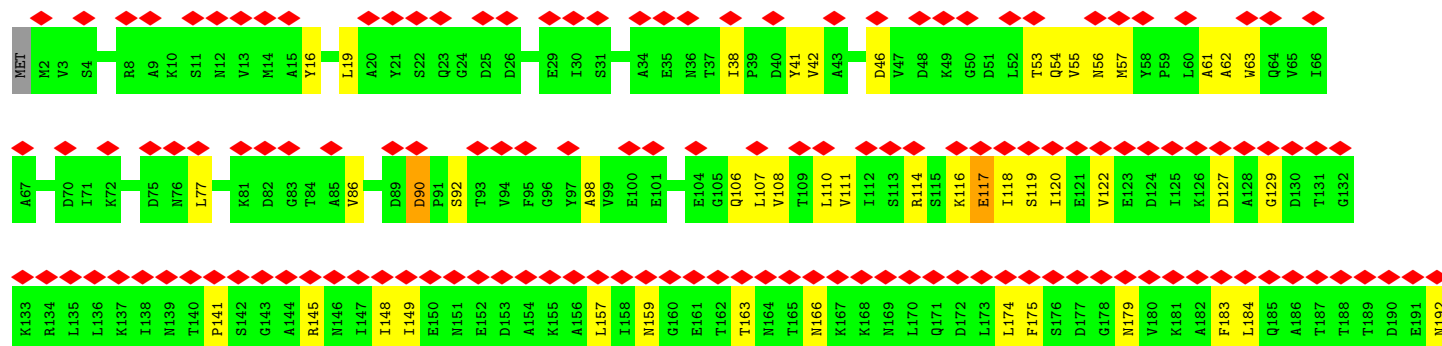
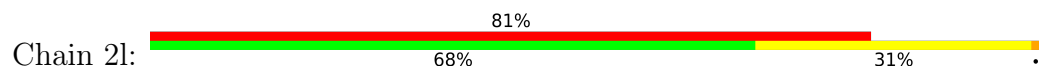


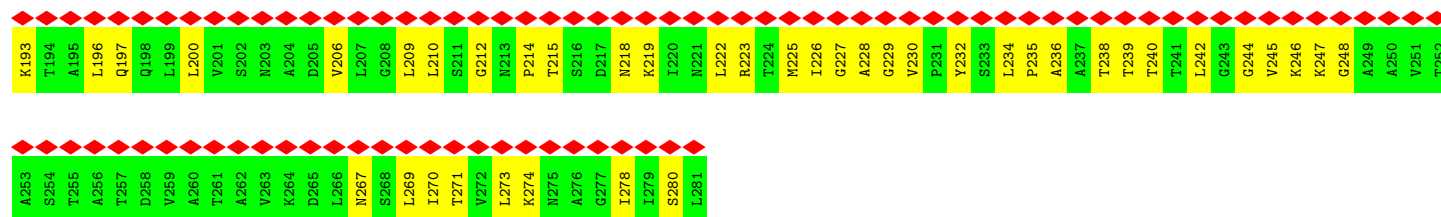


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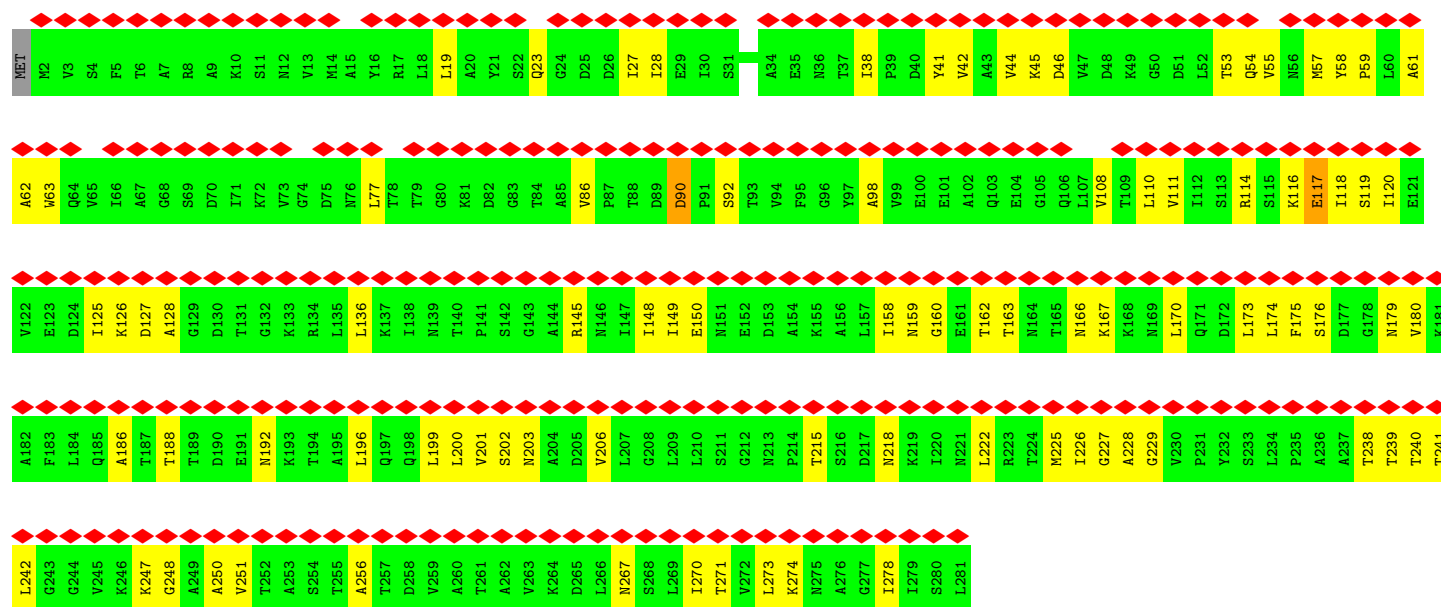


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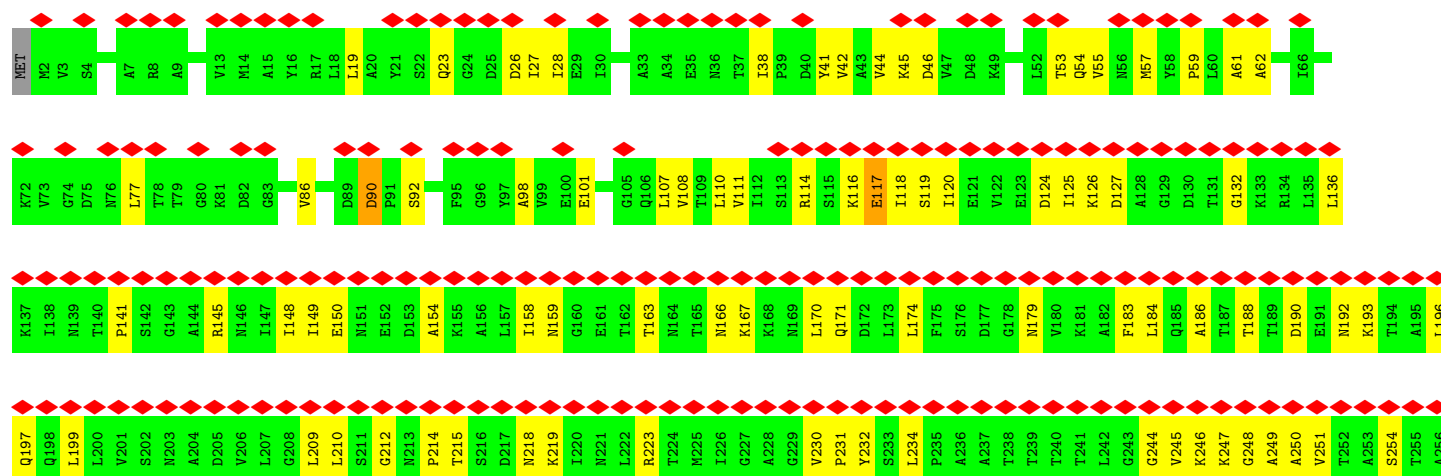
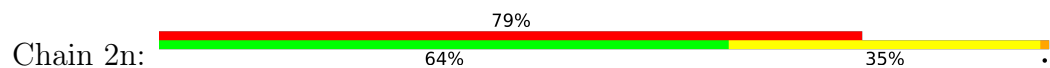


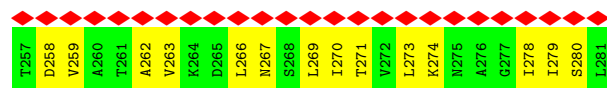


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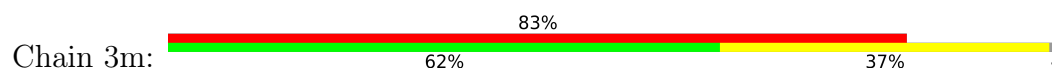


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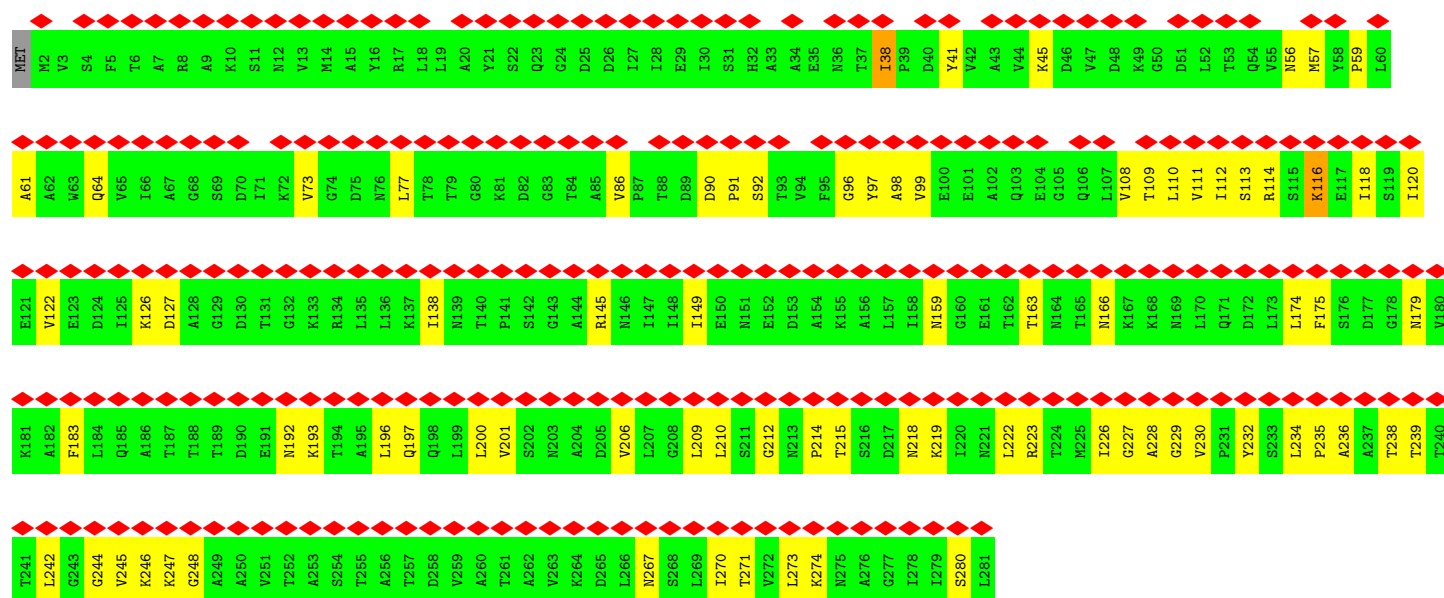
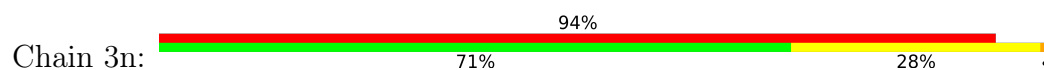




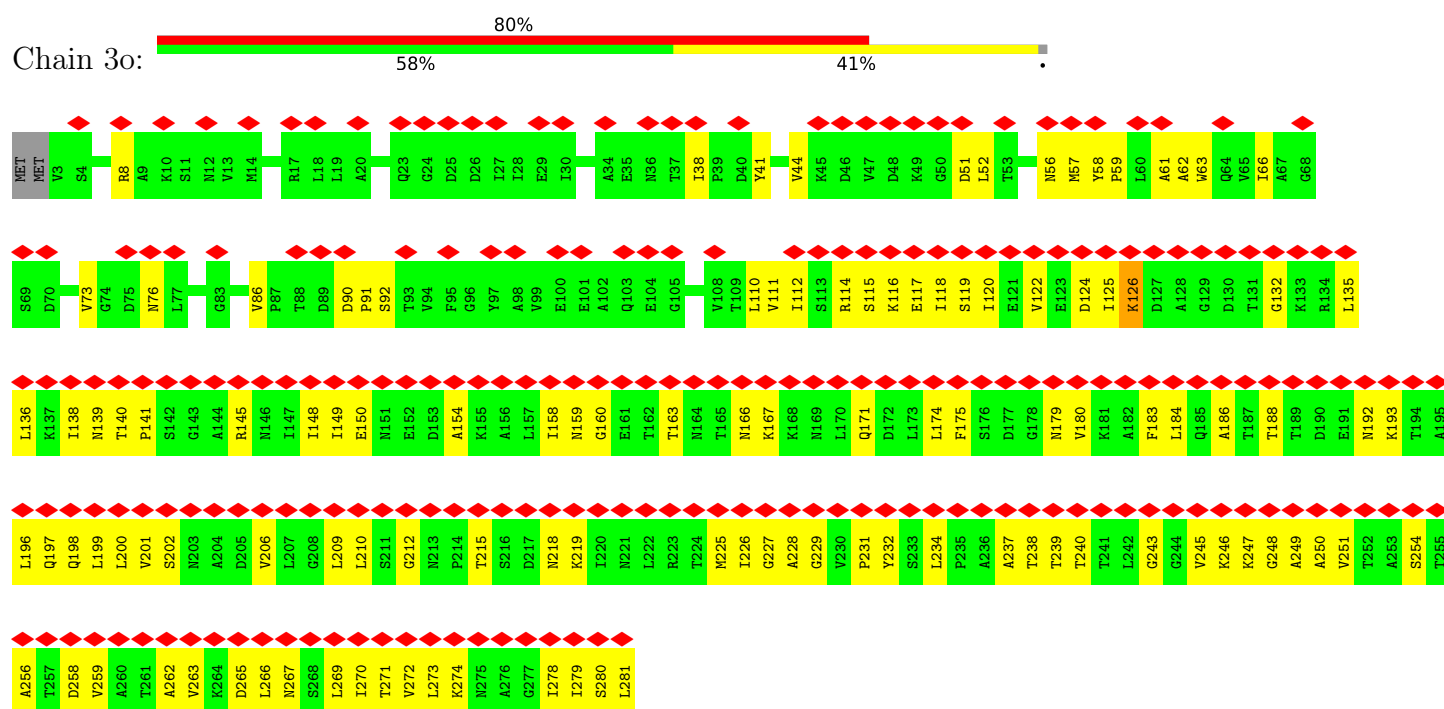
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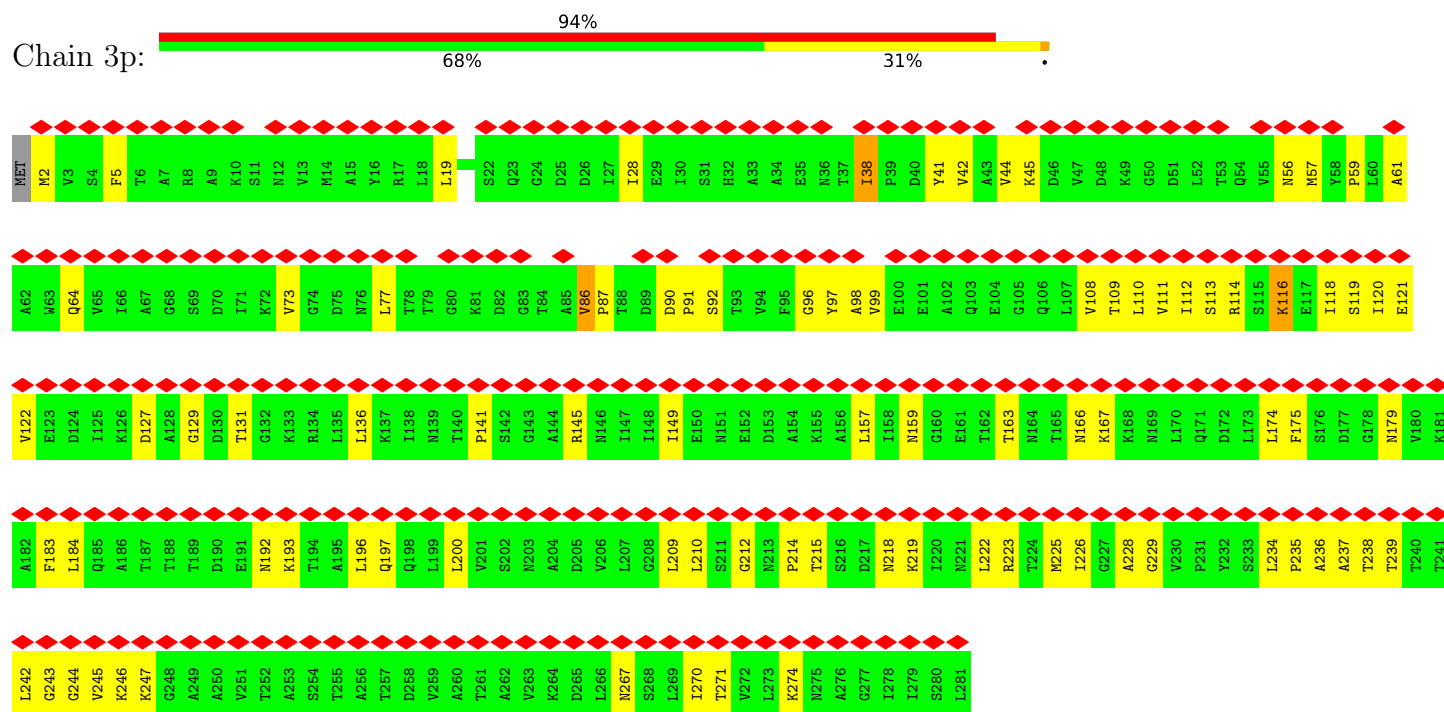
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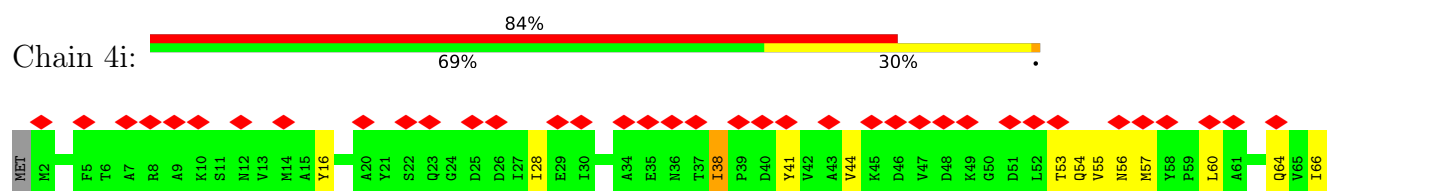
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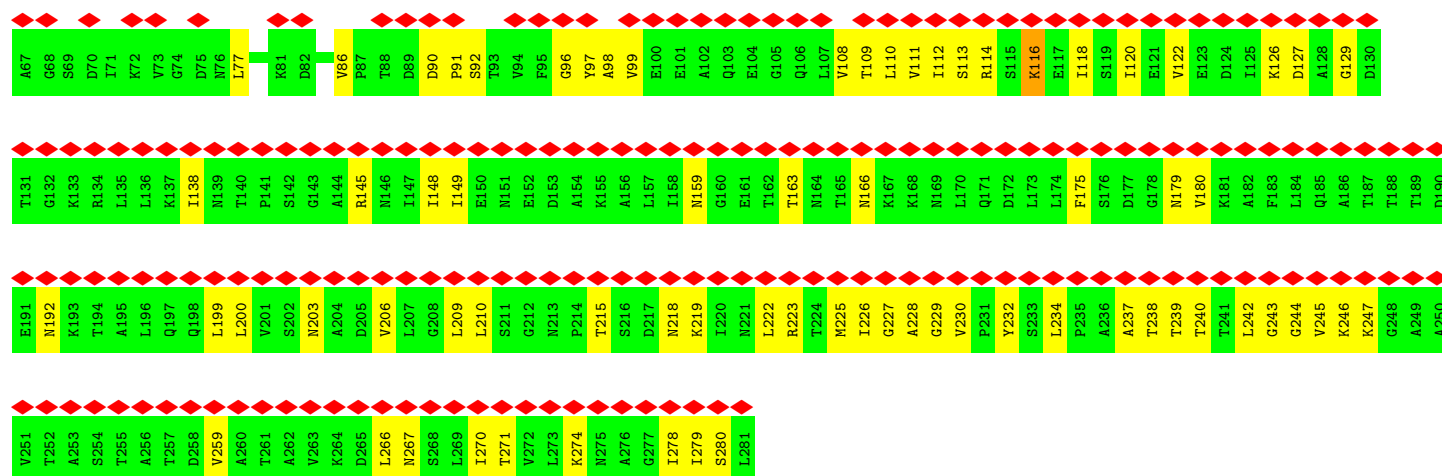


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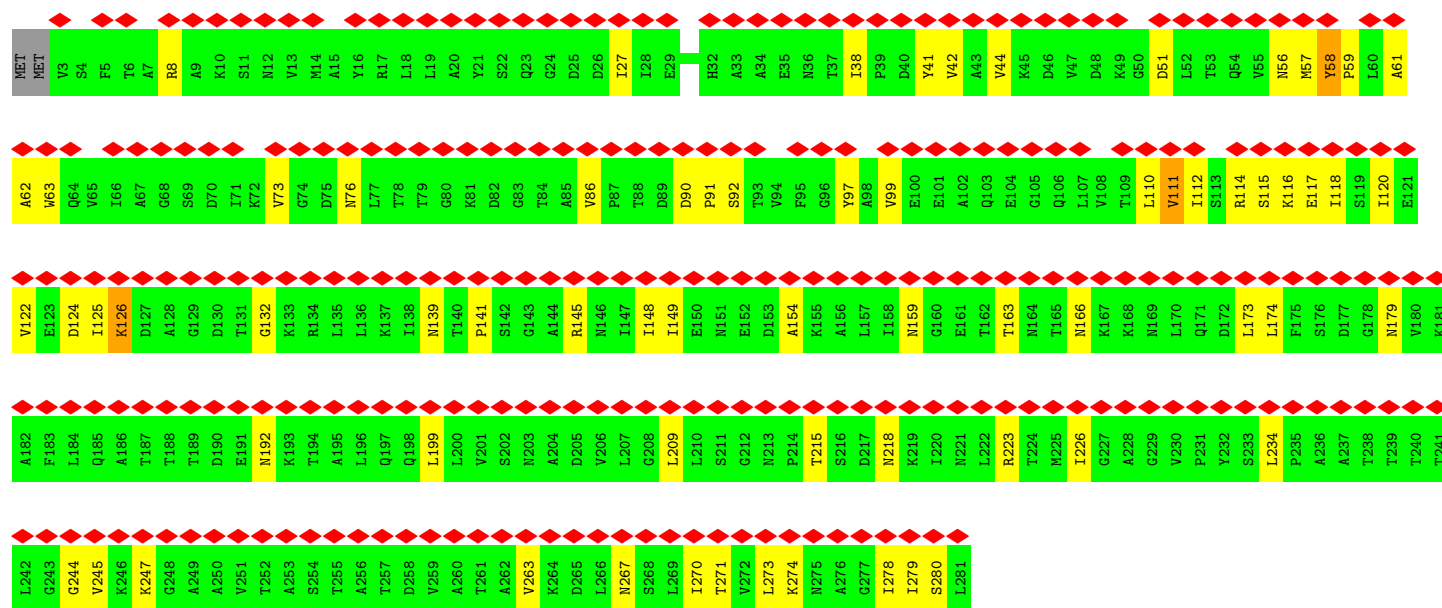
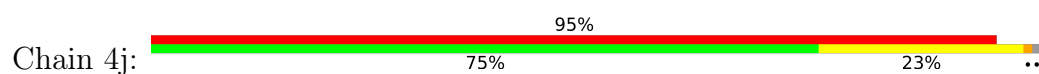


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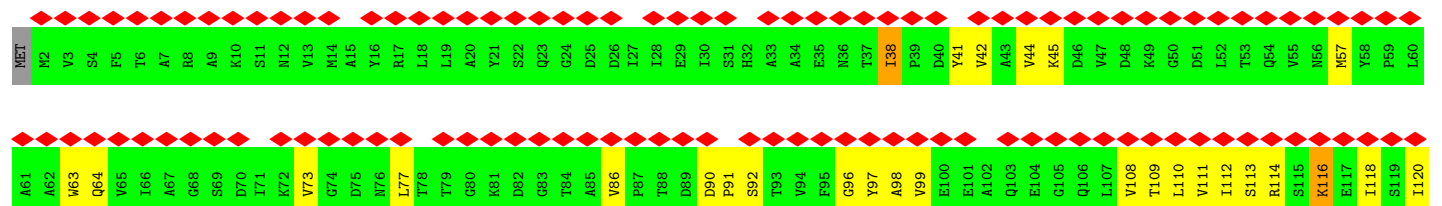
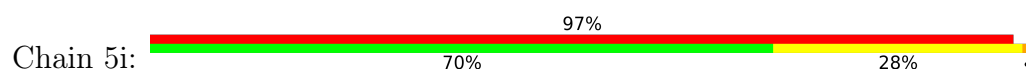


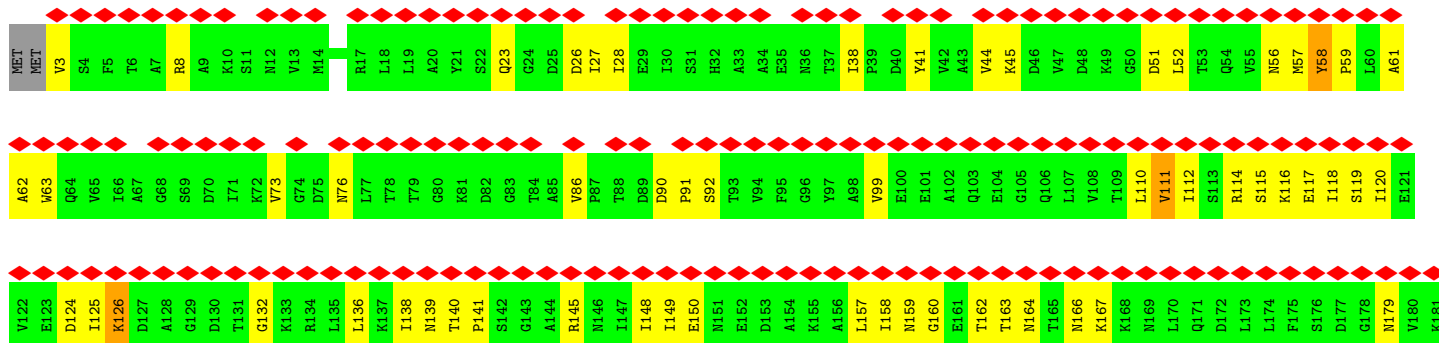


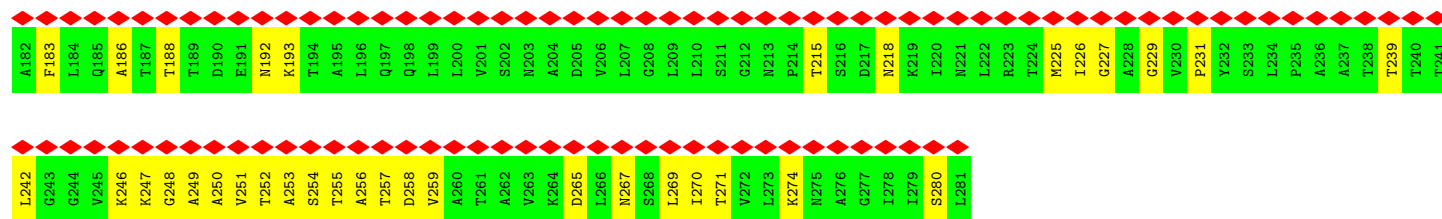
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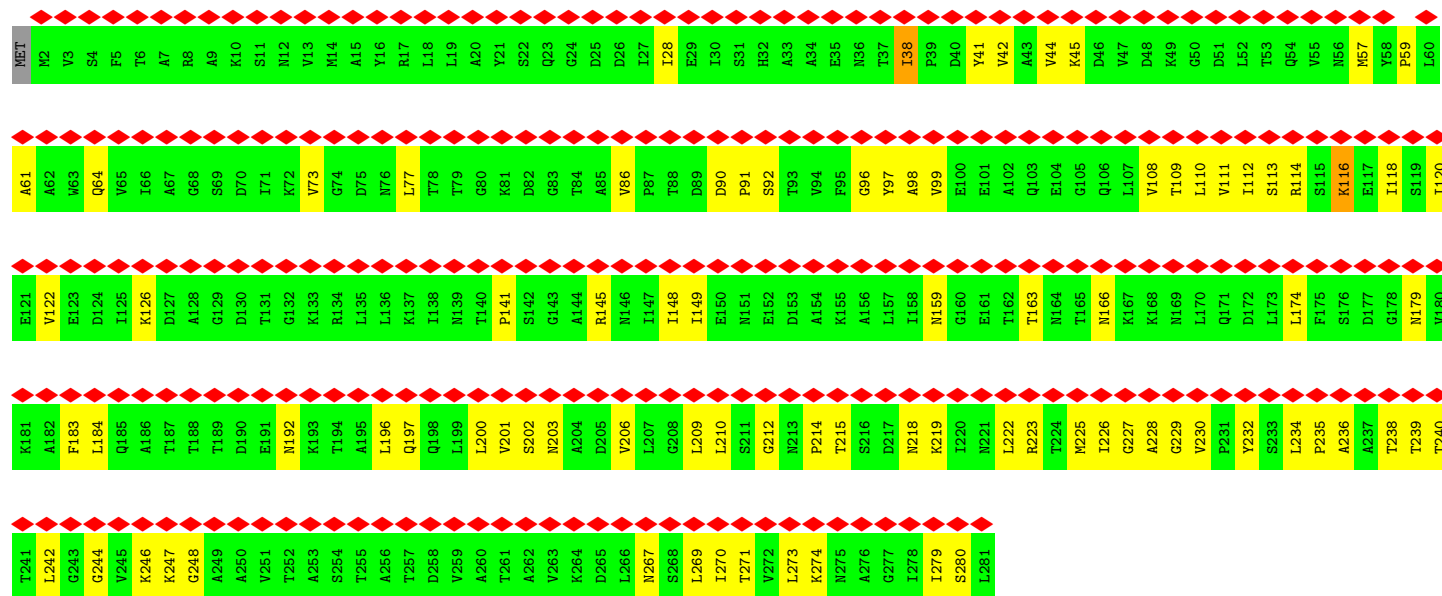
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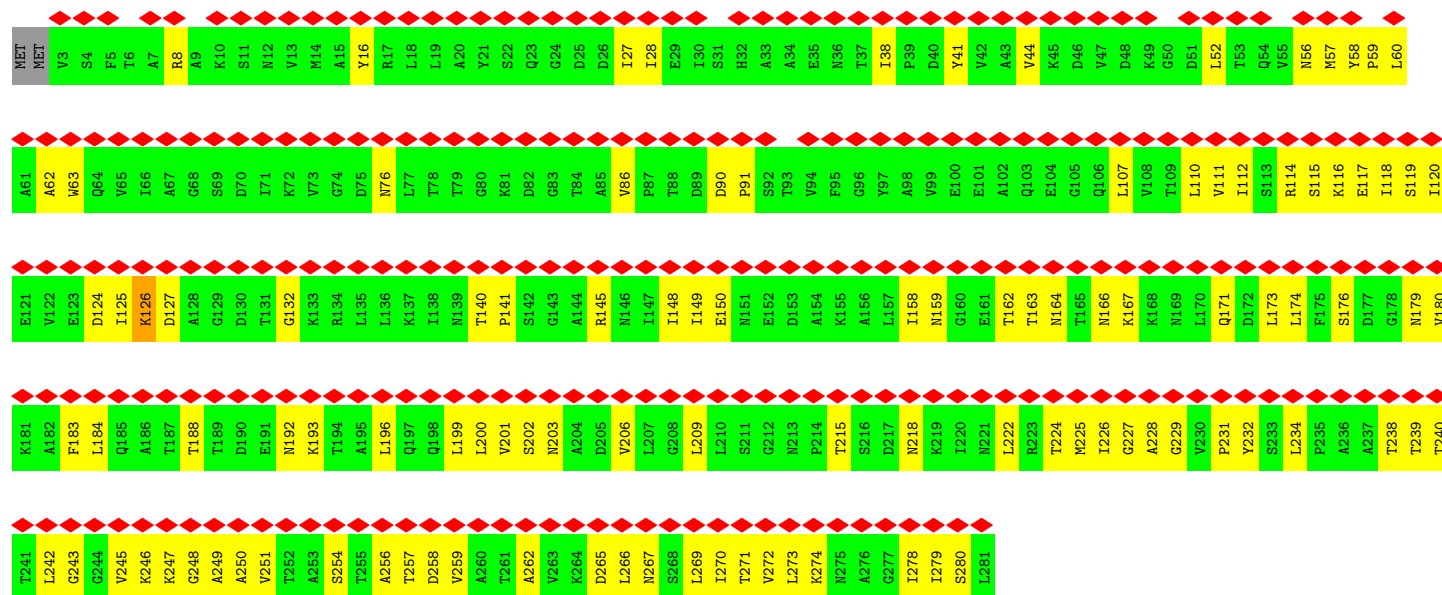




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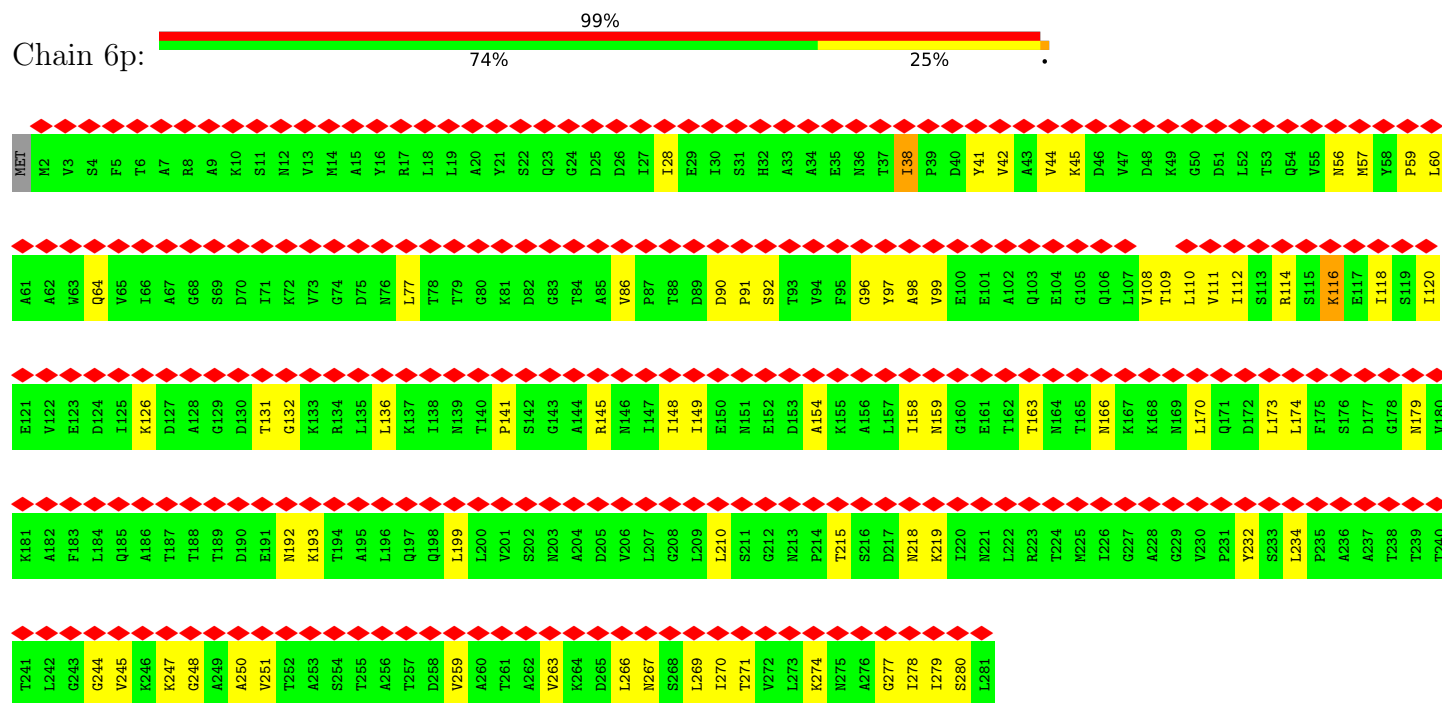


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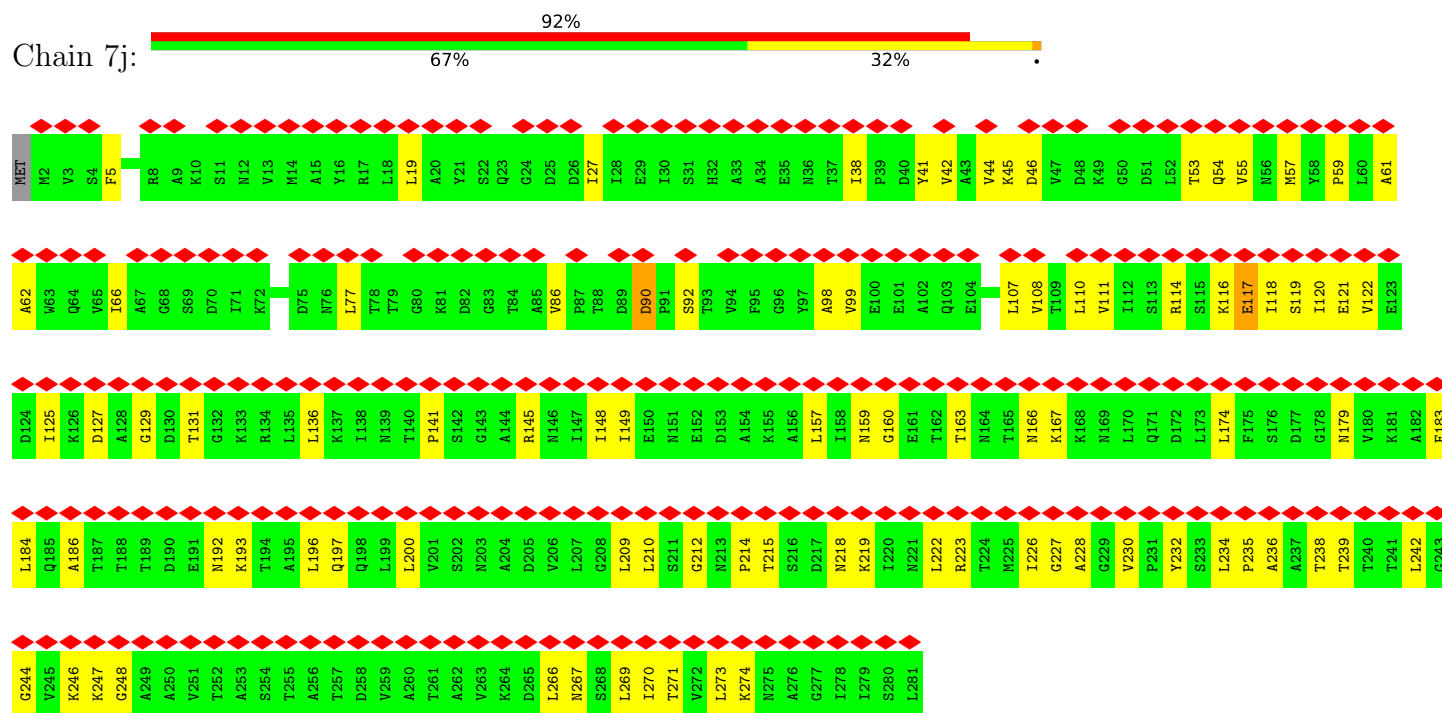
• Molecule 2: Capsid fiber protein

Chain 6p:



• Molecule 2: Capsid fiber protein

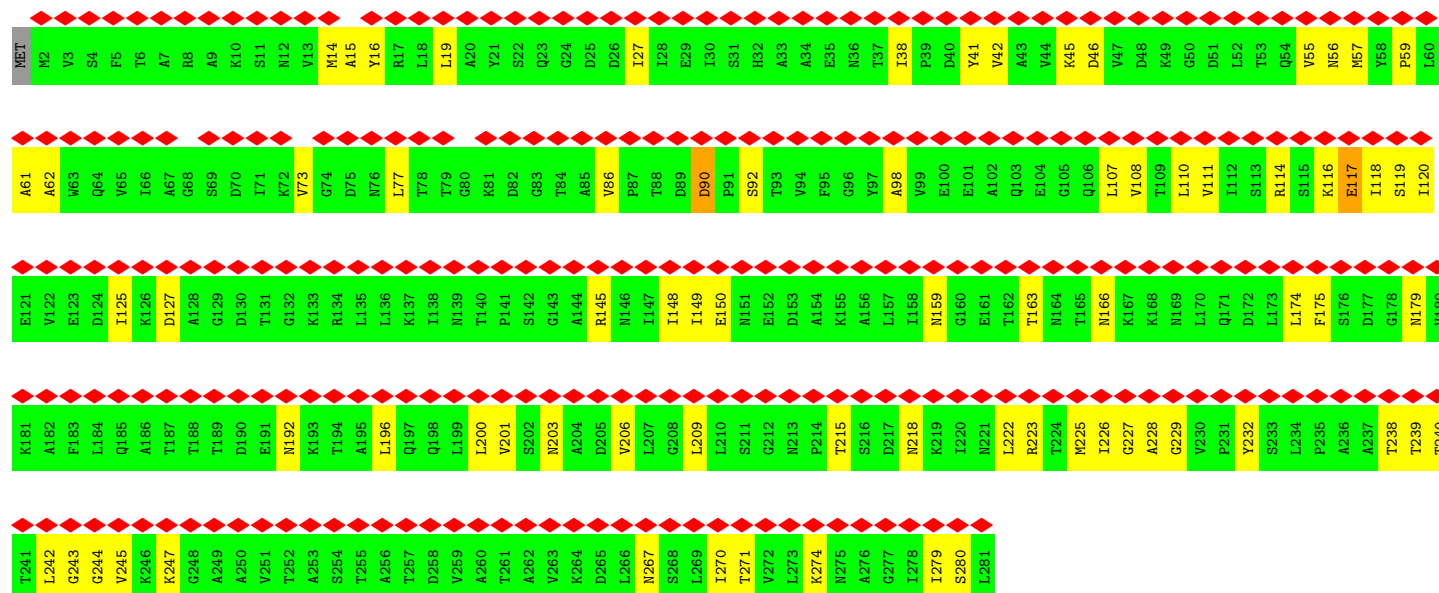
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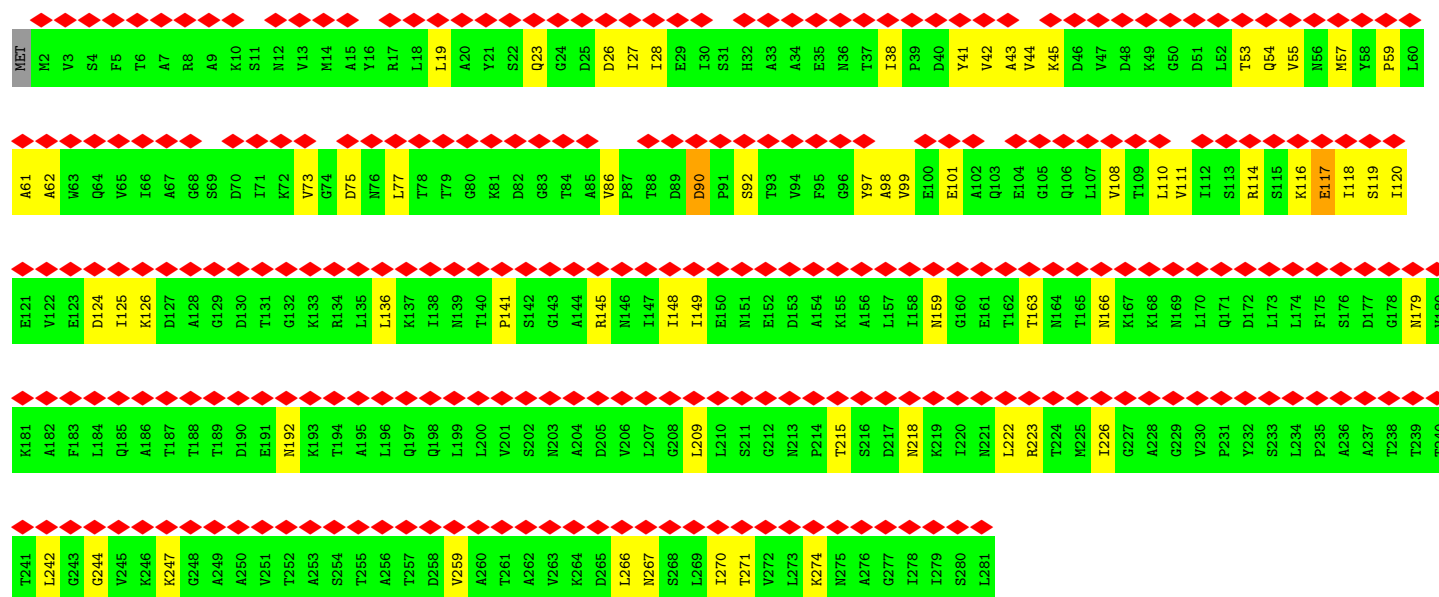
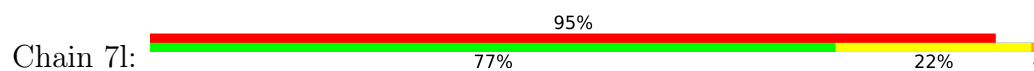
• Molecule 2: Capsid fiber protein

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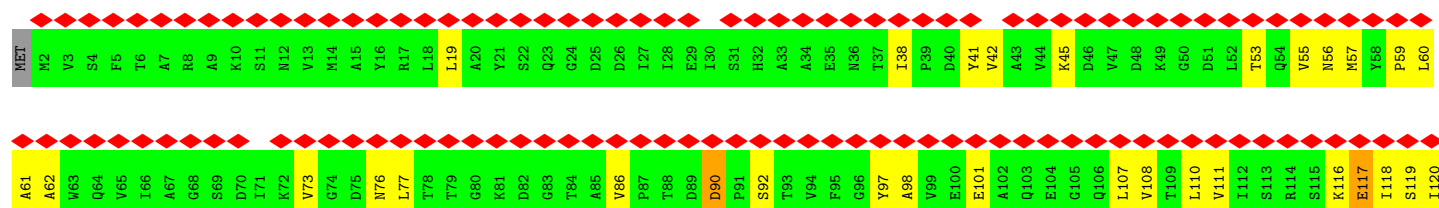




• Molecule 2: Capsid fiber protein

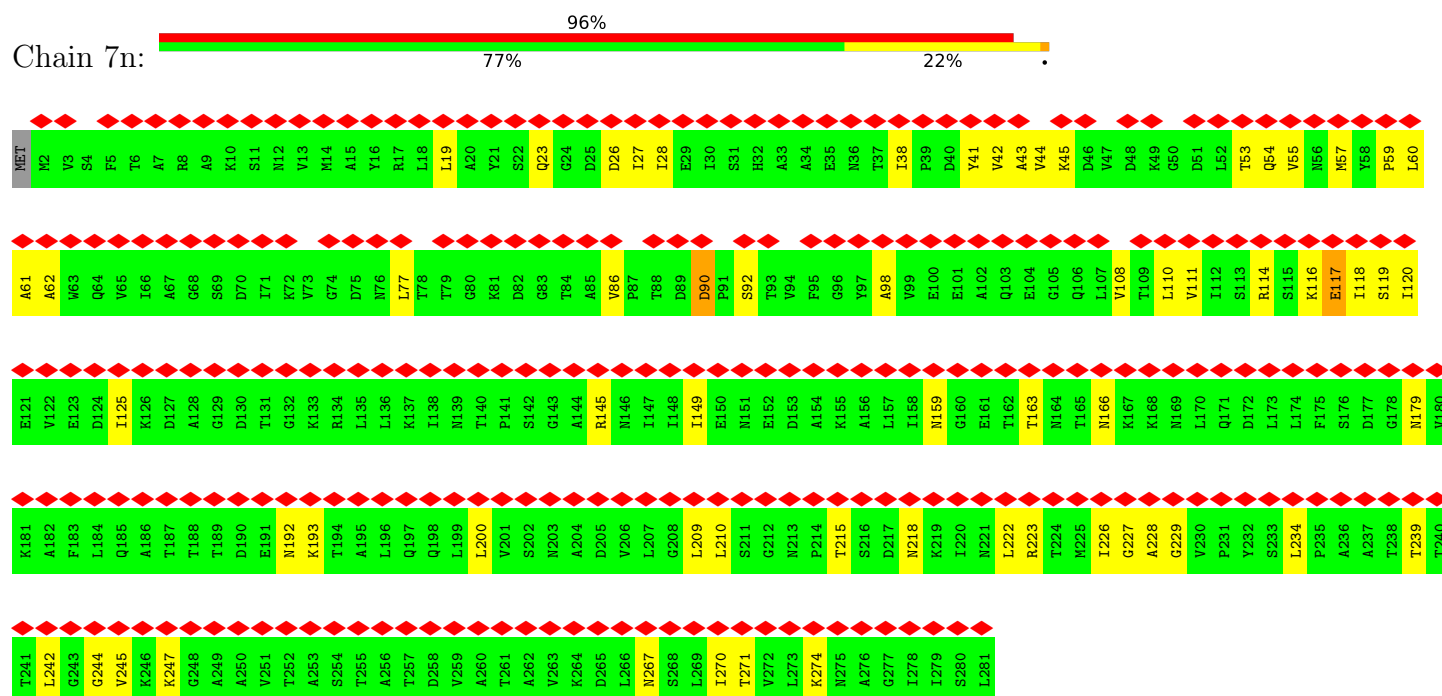


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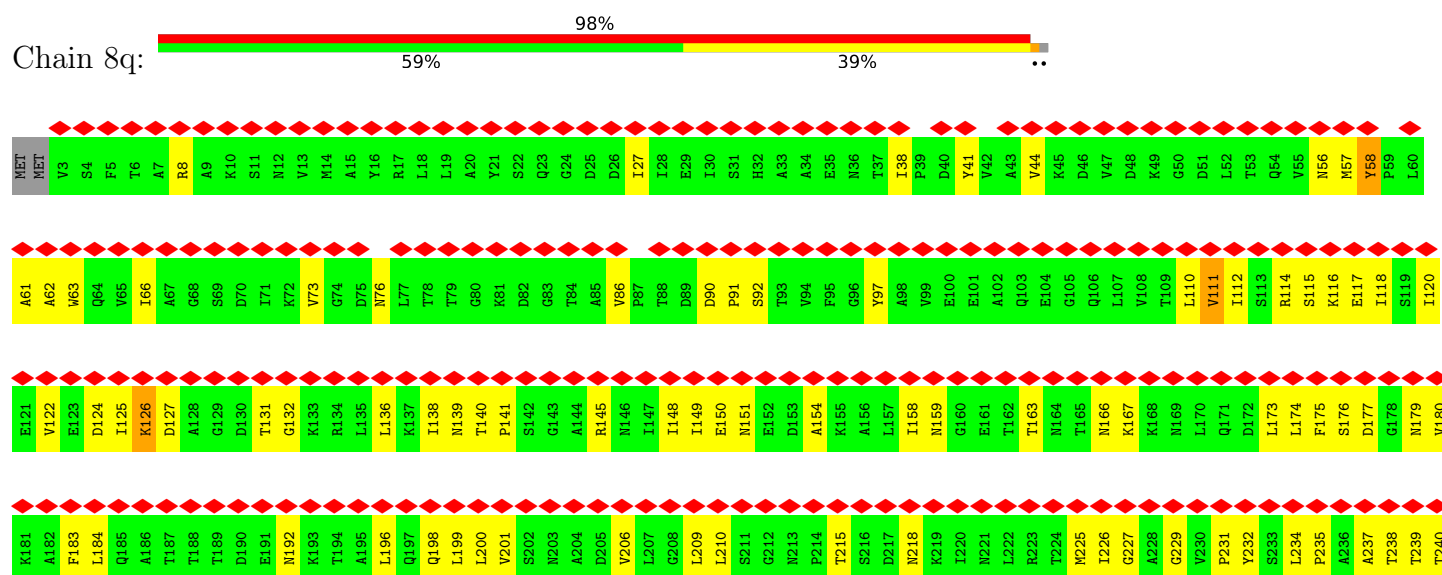




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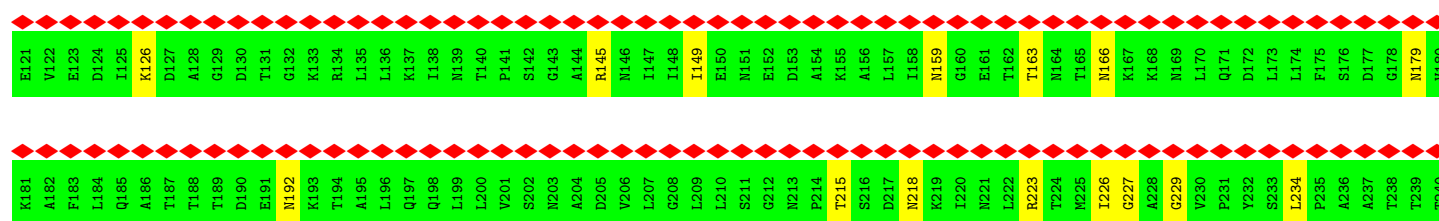
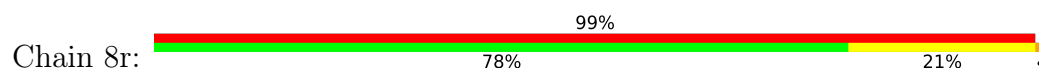


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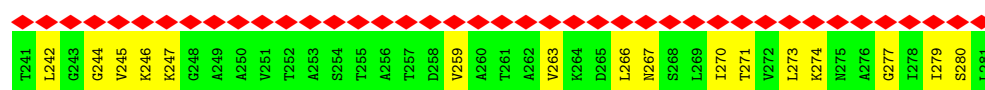
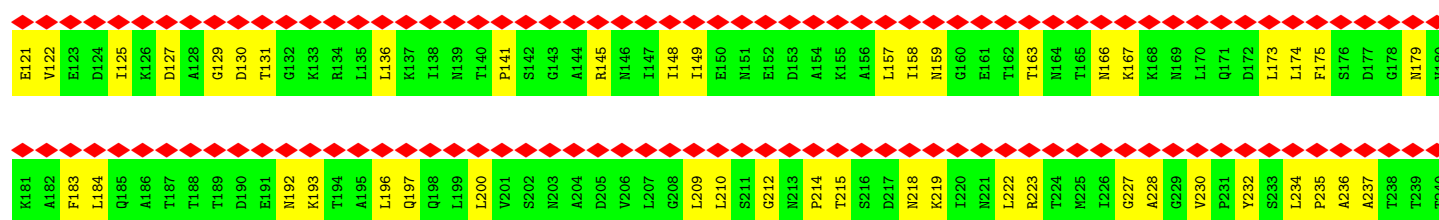
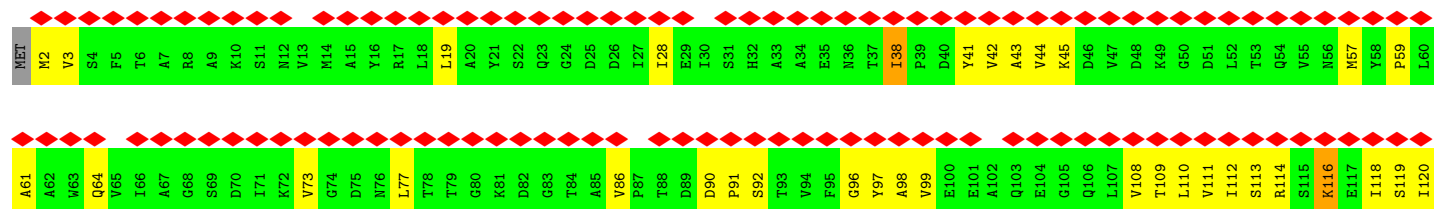




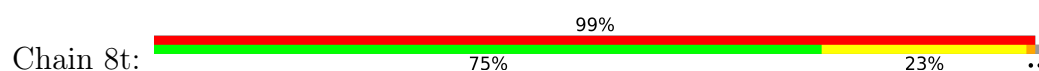
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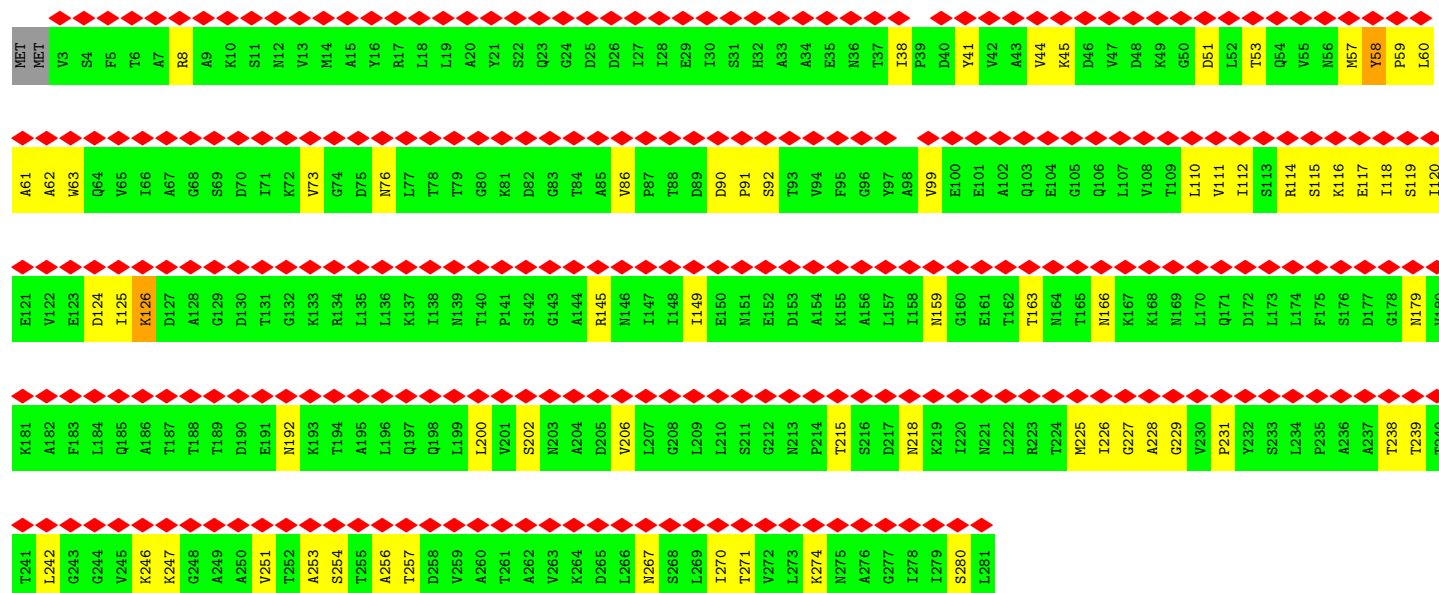


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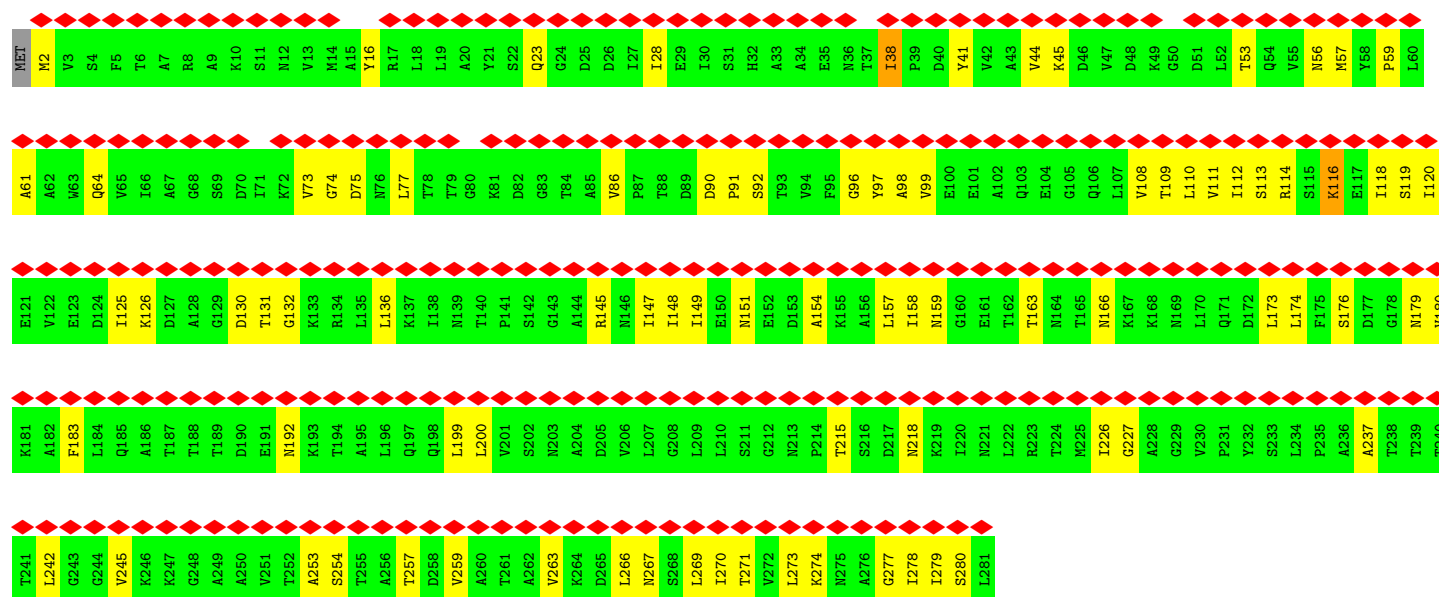


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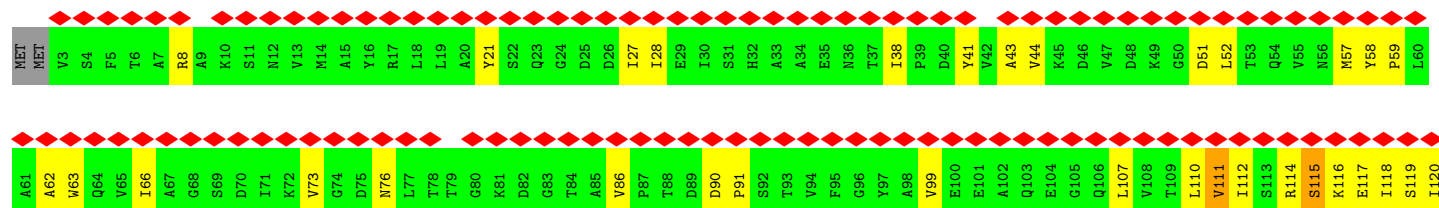


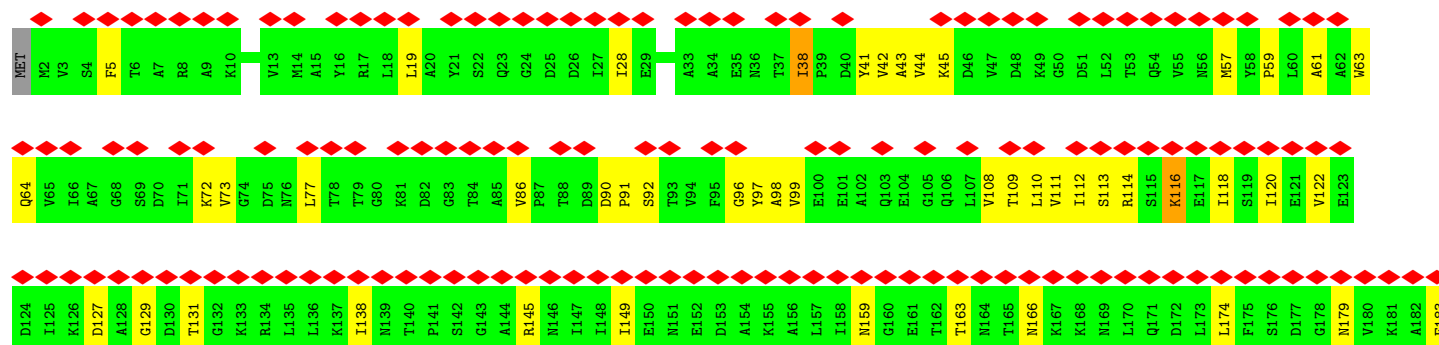


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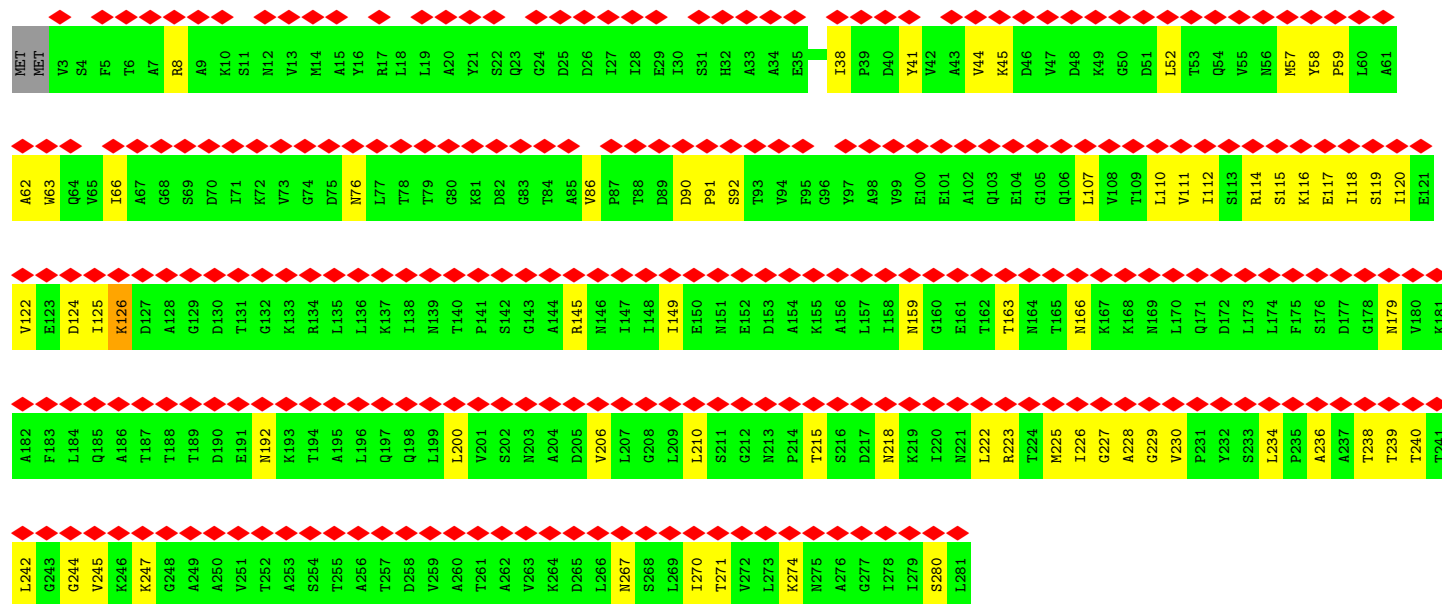
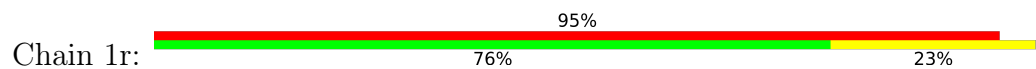
• Molecule 2: Capsid fiber protein

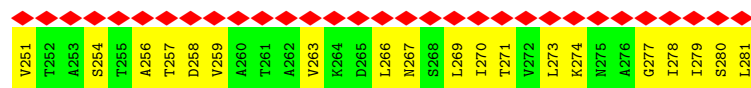




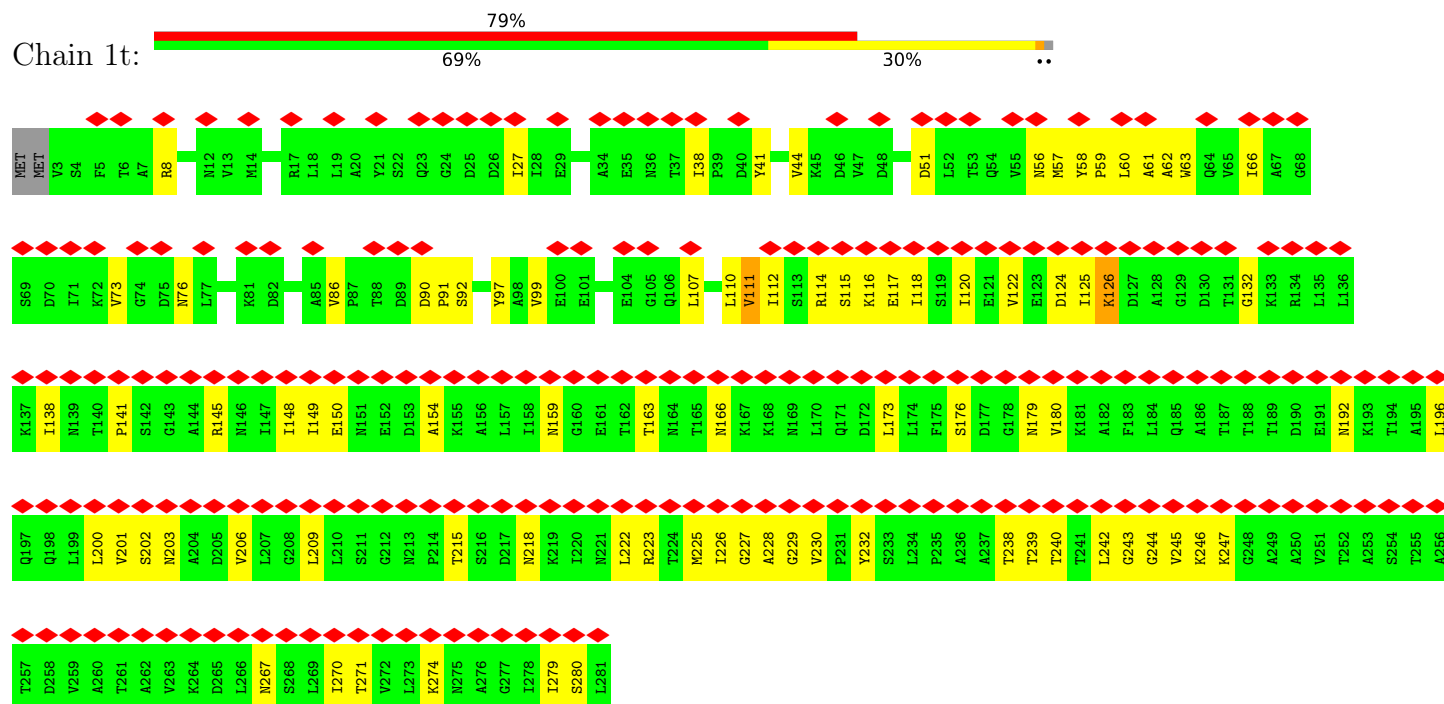


• Molecule 2: Capsid fiber protein

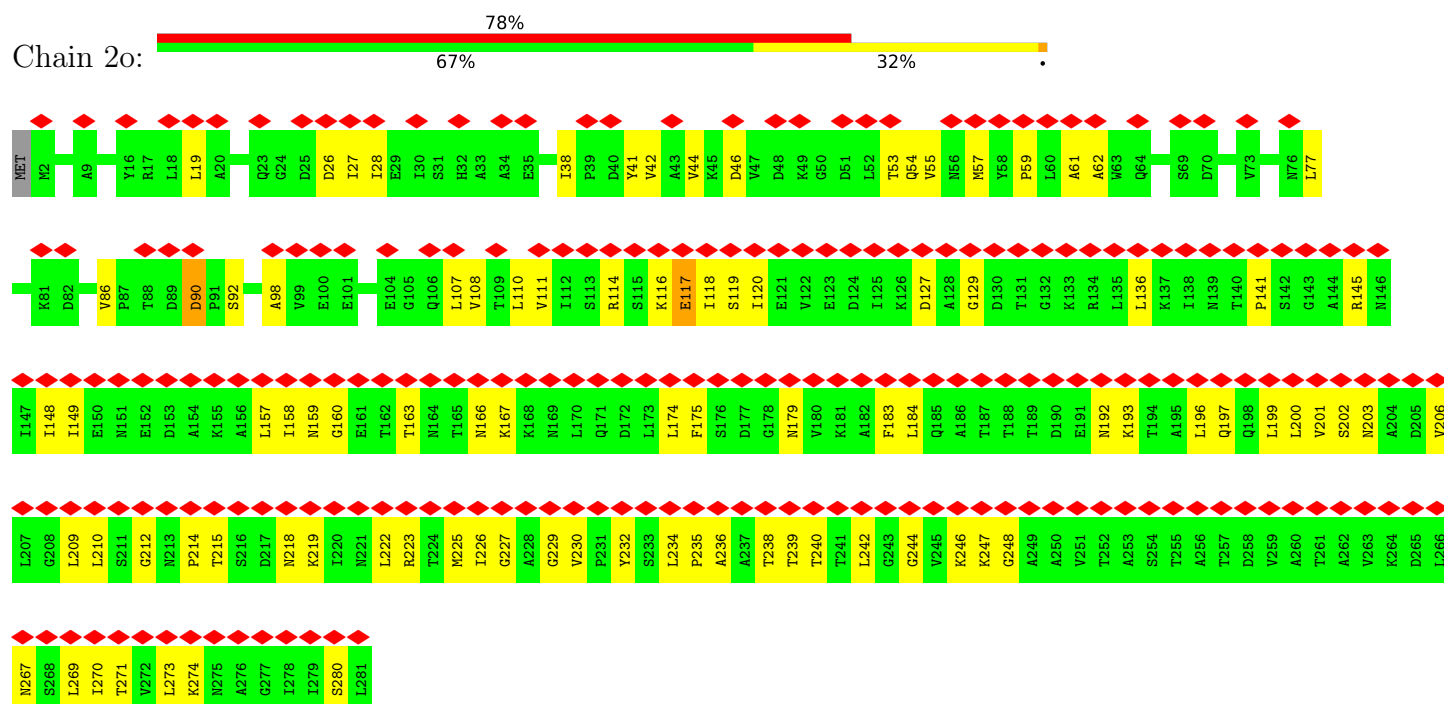




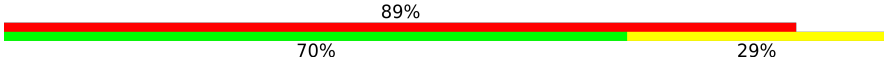
• Molecule 2: Capsid fiber protein

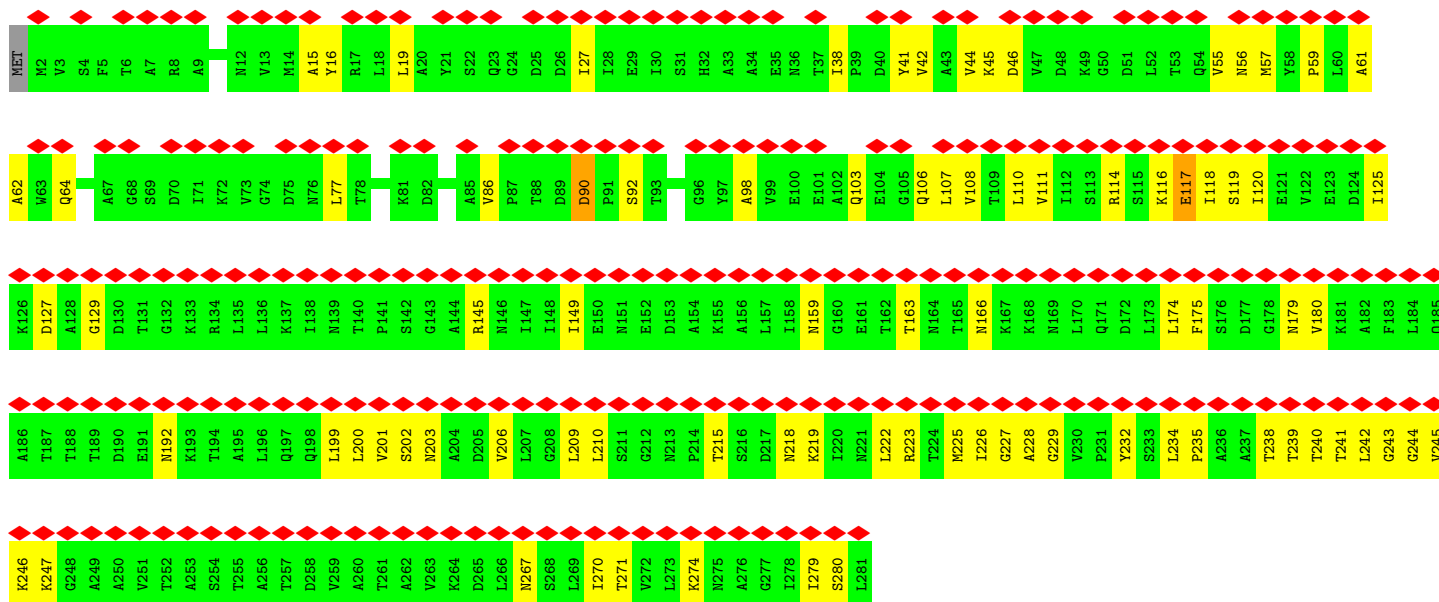


• Molecule 2: Capsid fiber protein



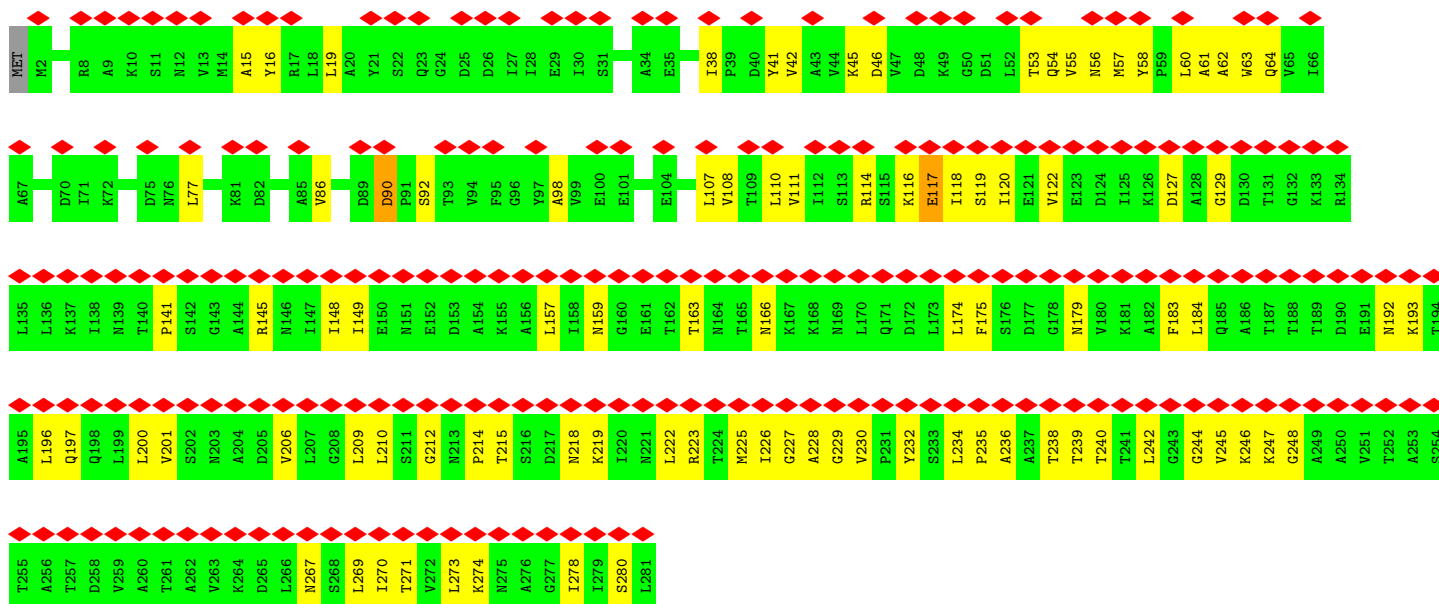
• Molecule 2: Capsid fiber protein

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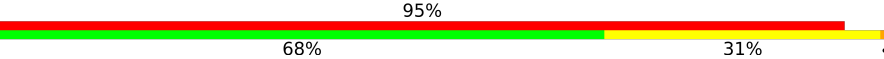


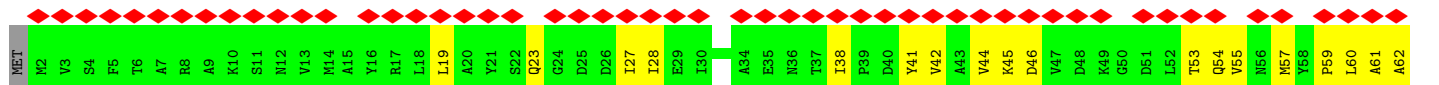
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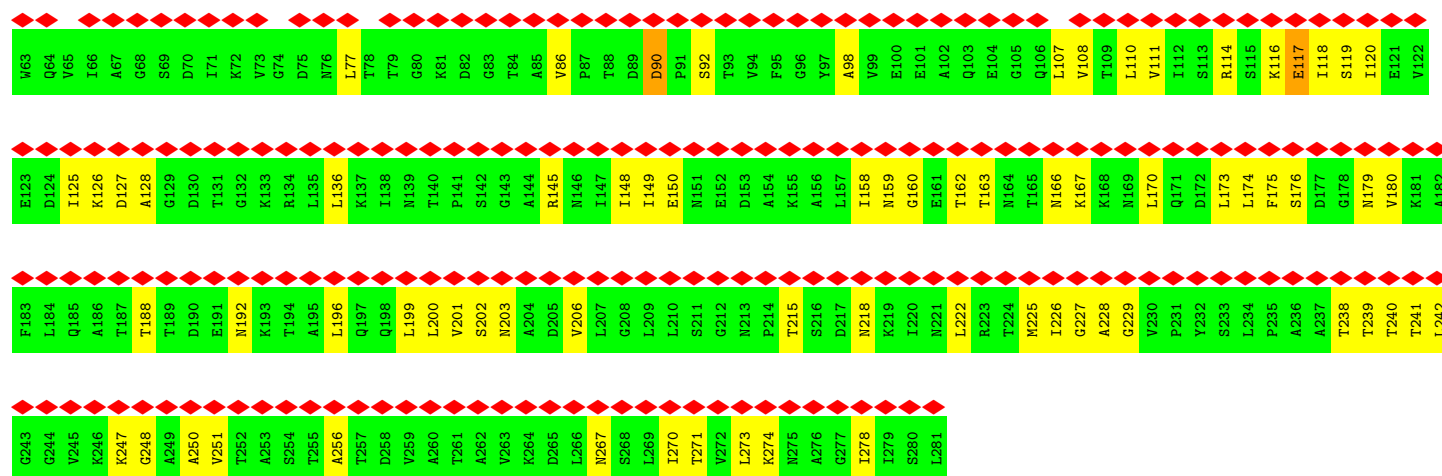
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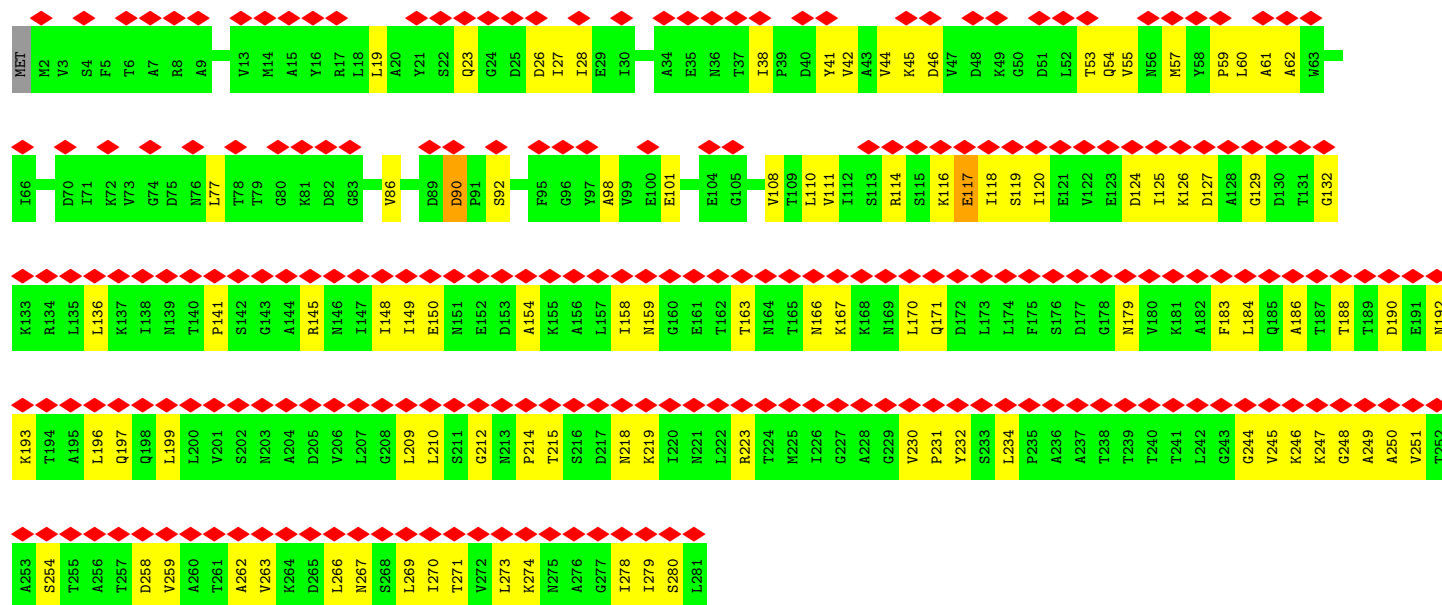
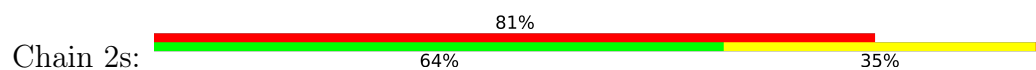
• Molecule 2: Capsid fiber protein

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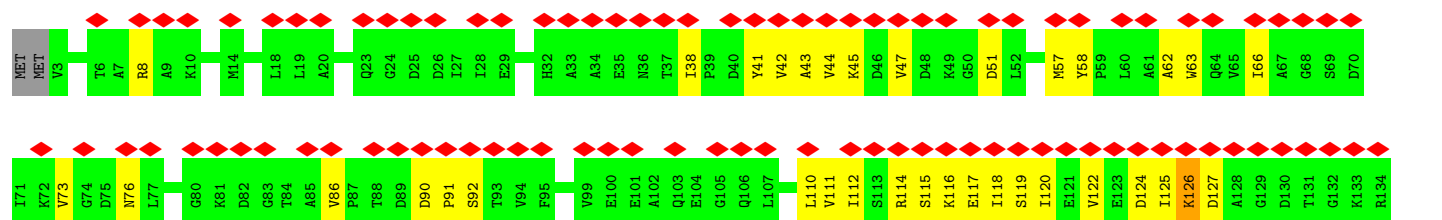
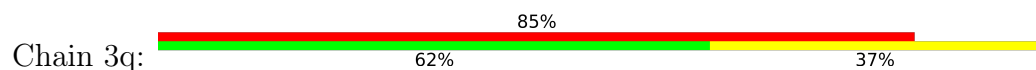


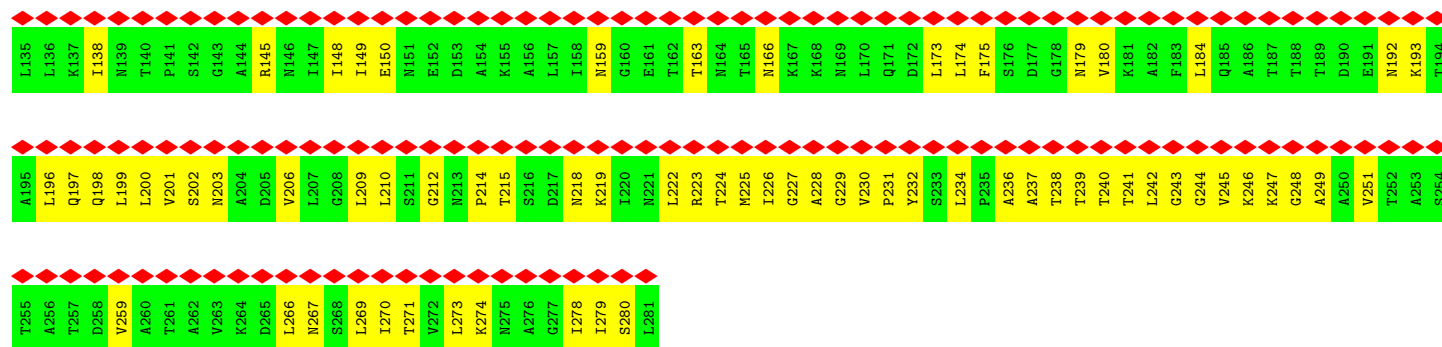


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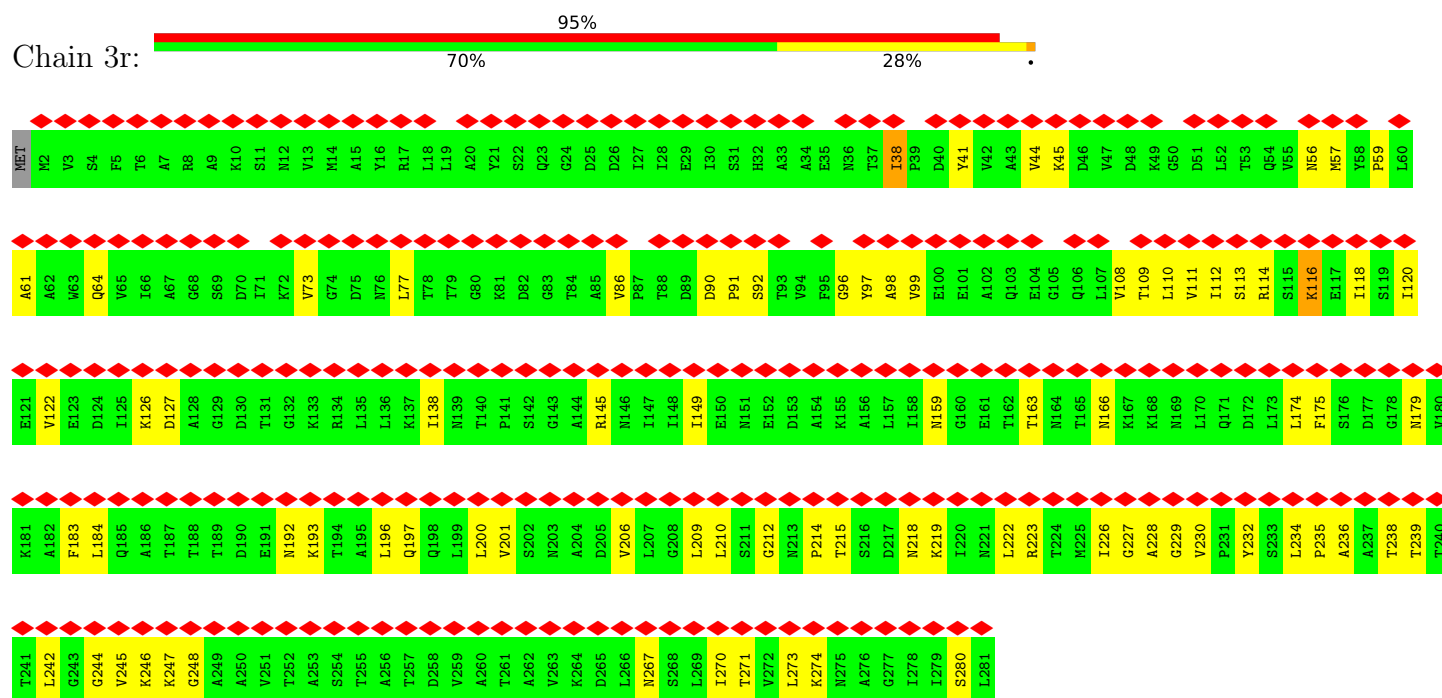


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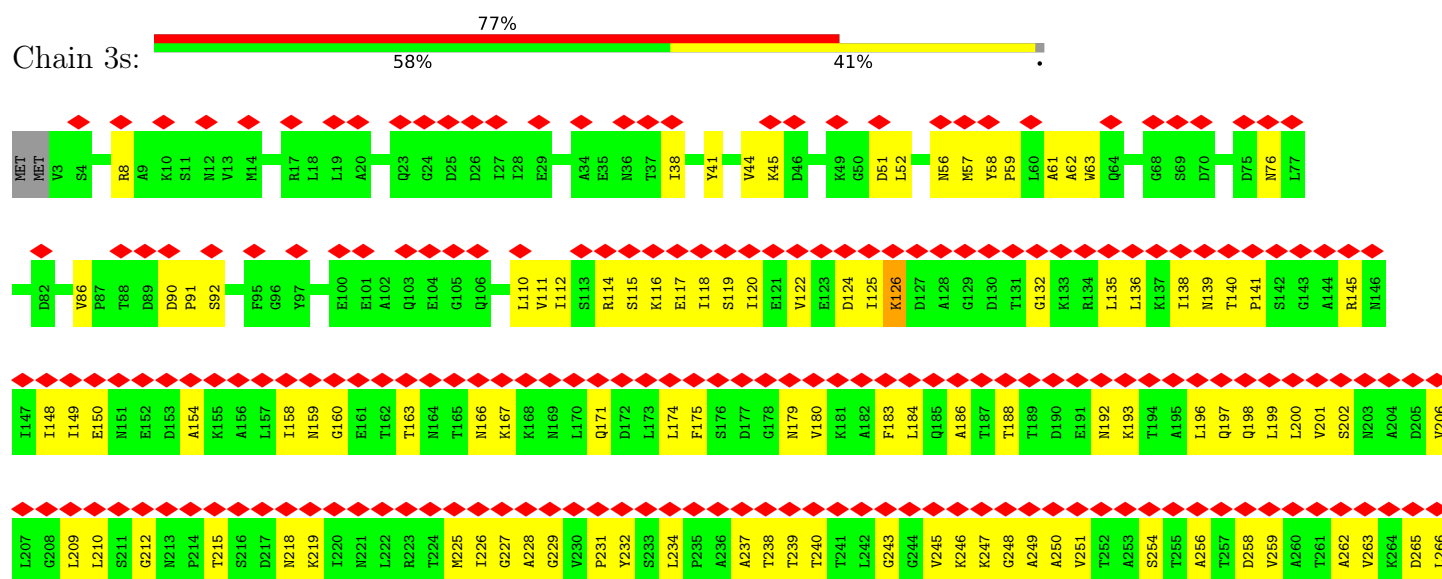




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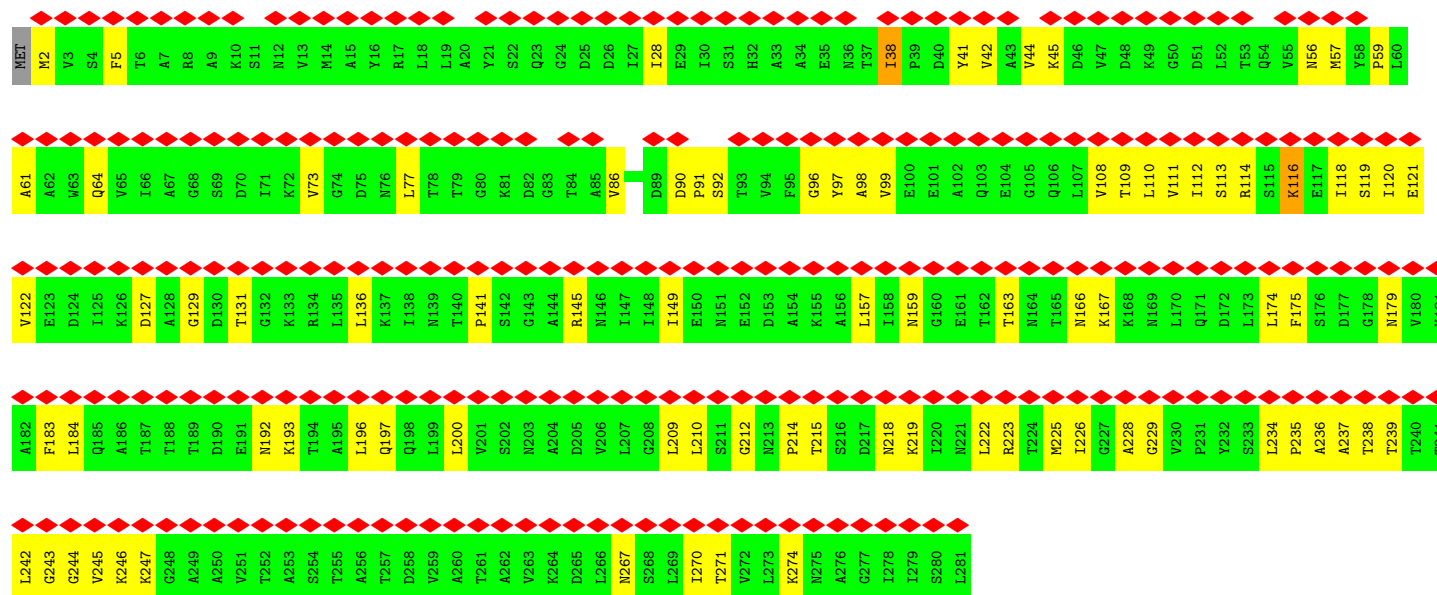


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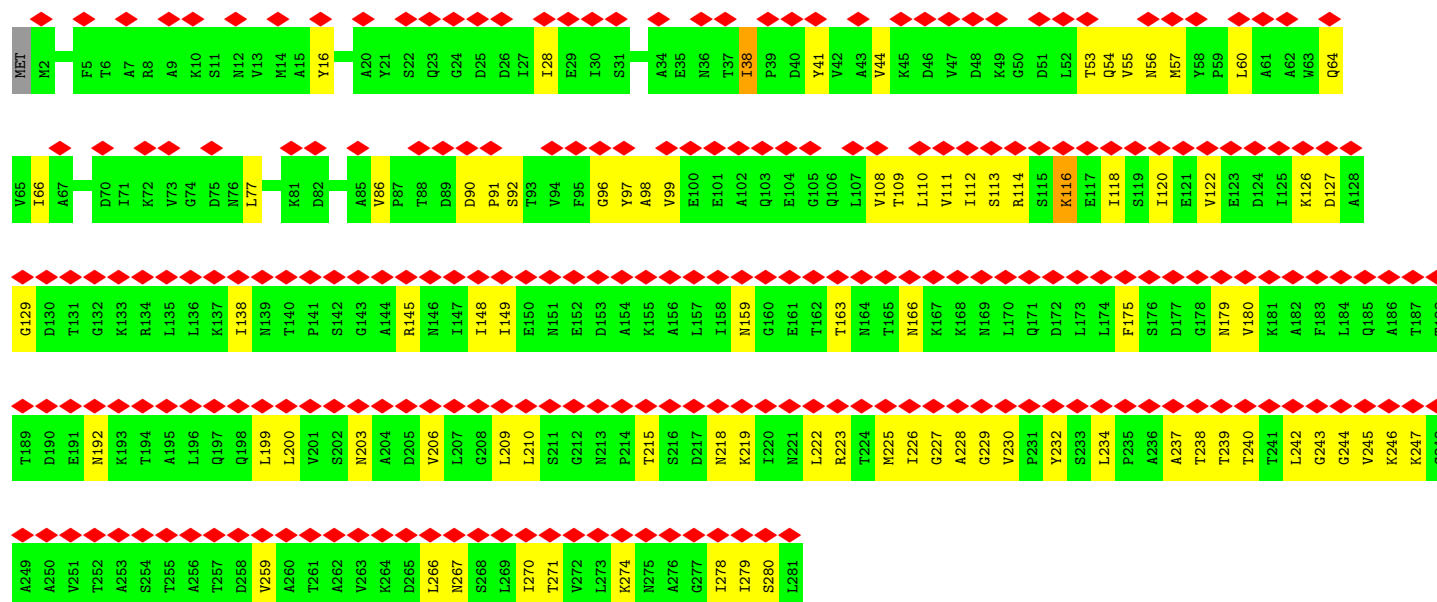
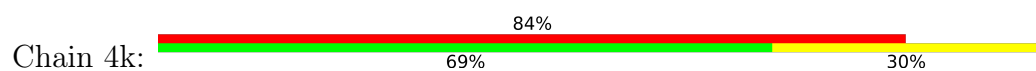




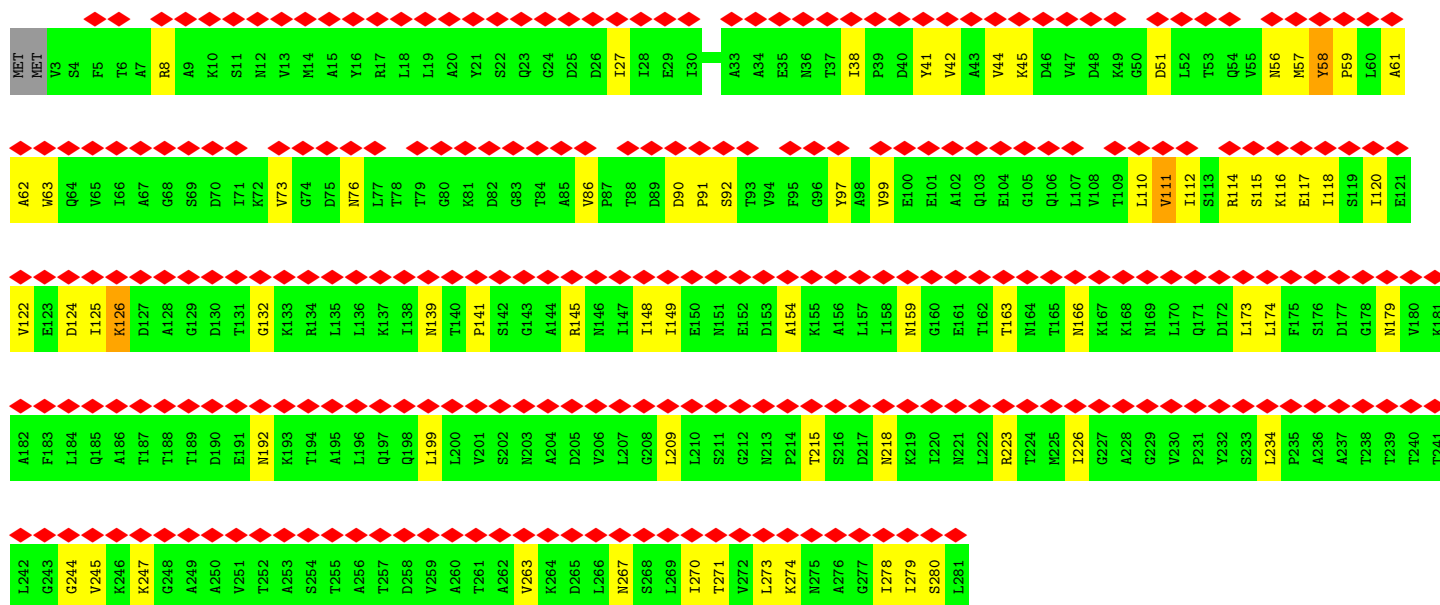
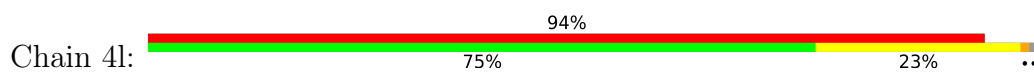
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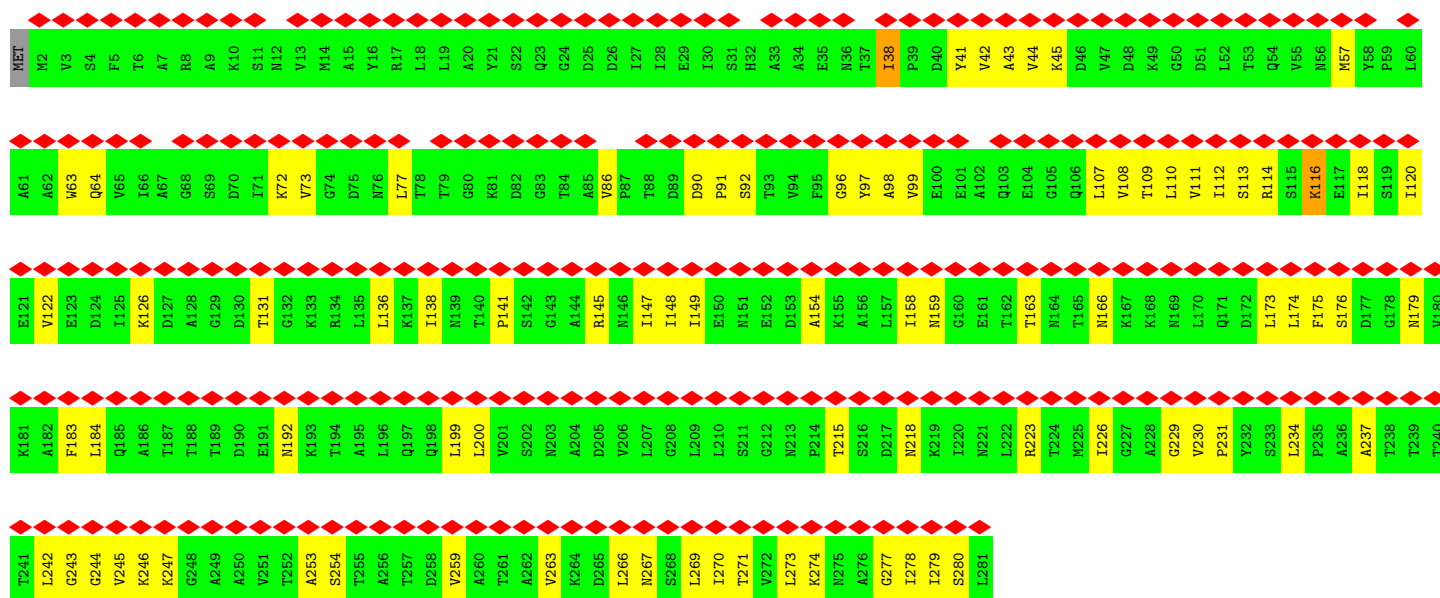
• Molecule 2: Capsid fiber protein



• Molecule 2: Capsid fiber protein

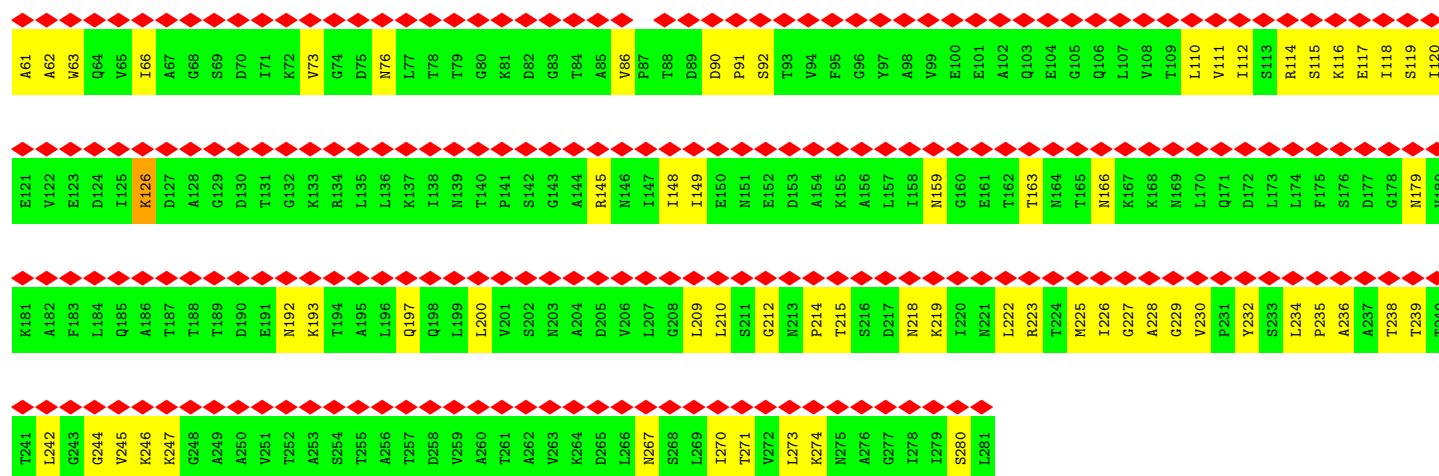


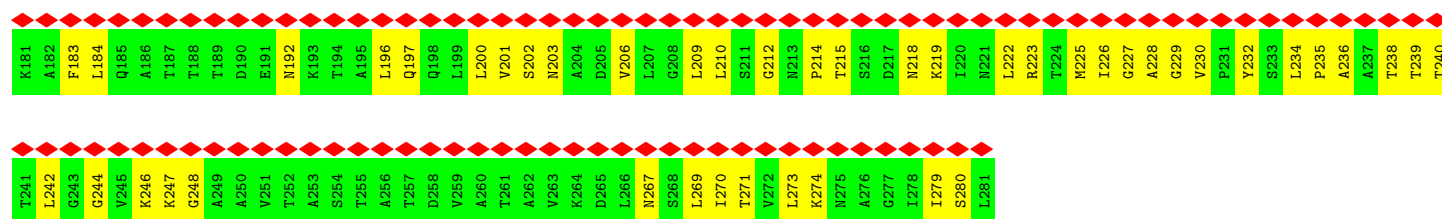
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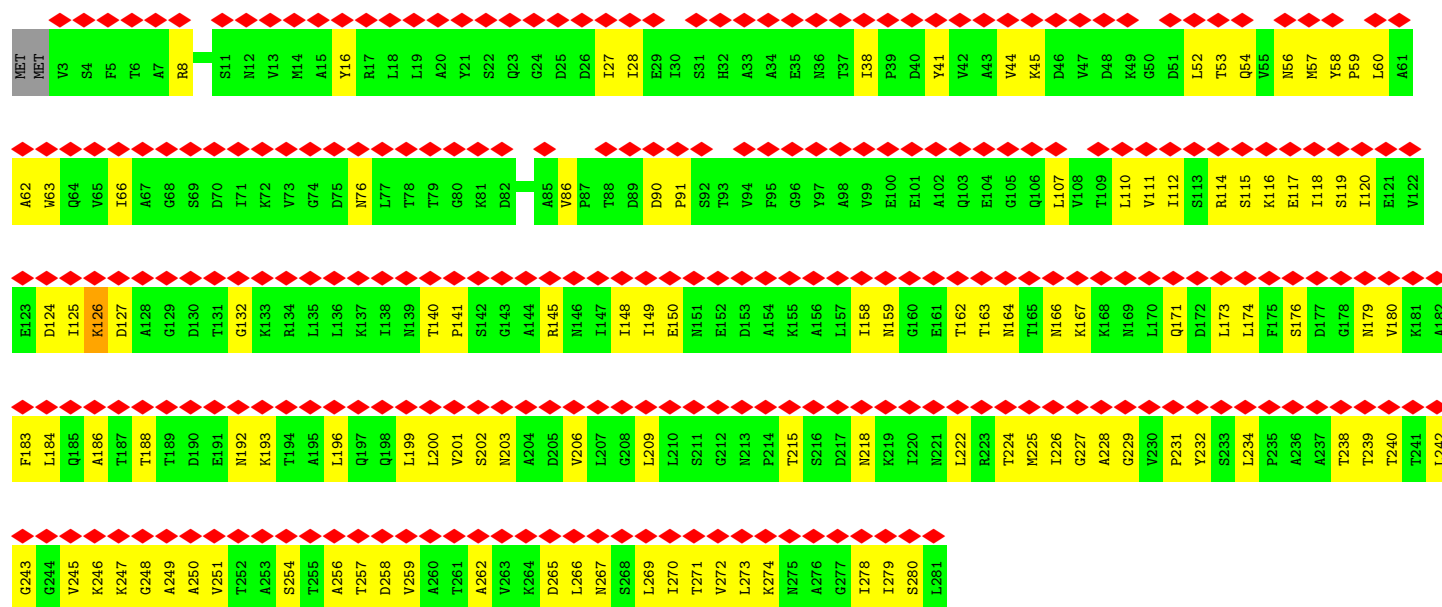
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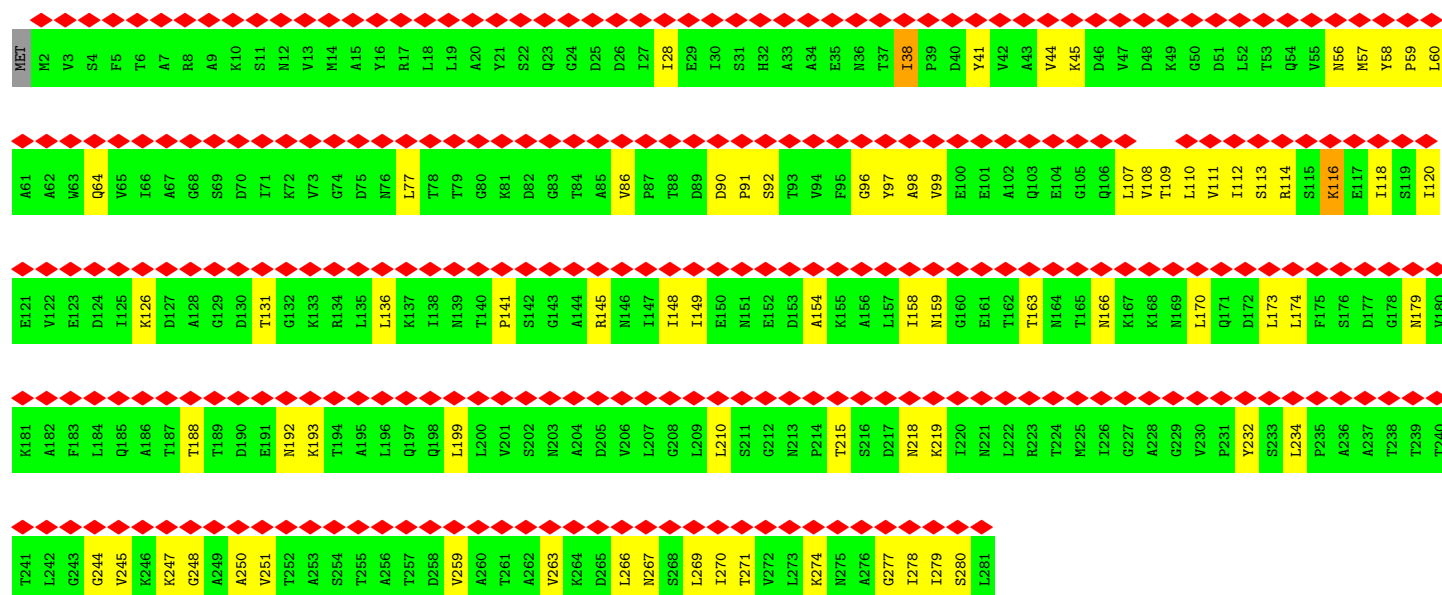
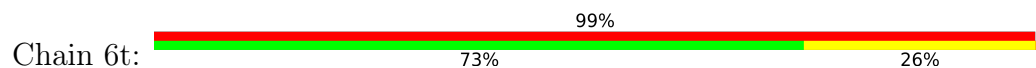


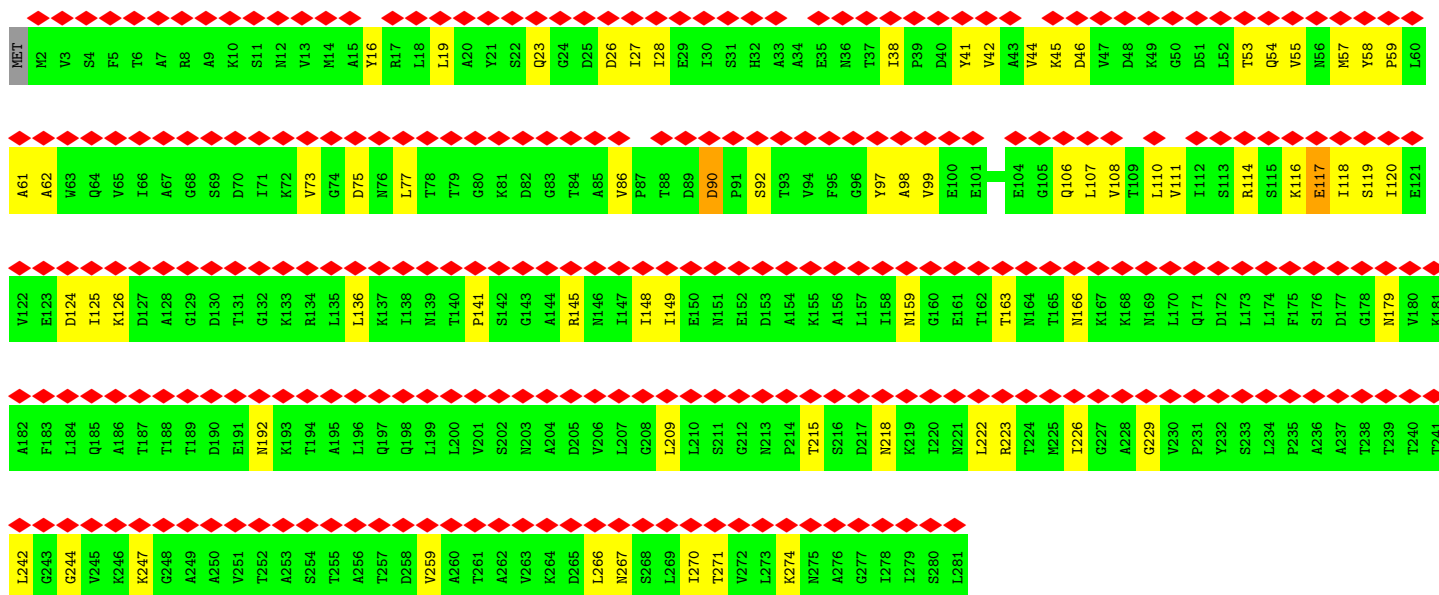


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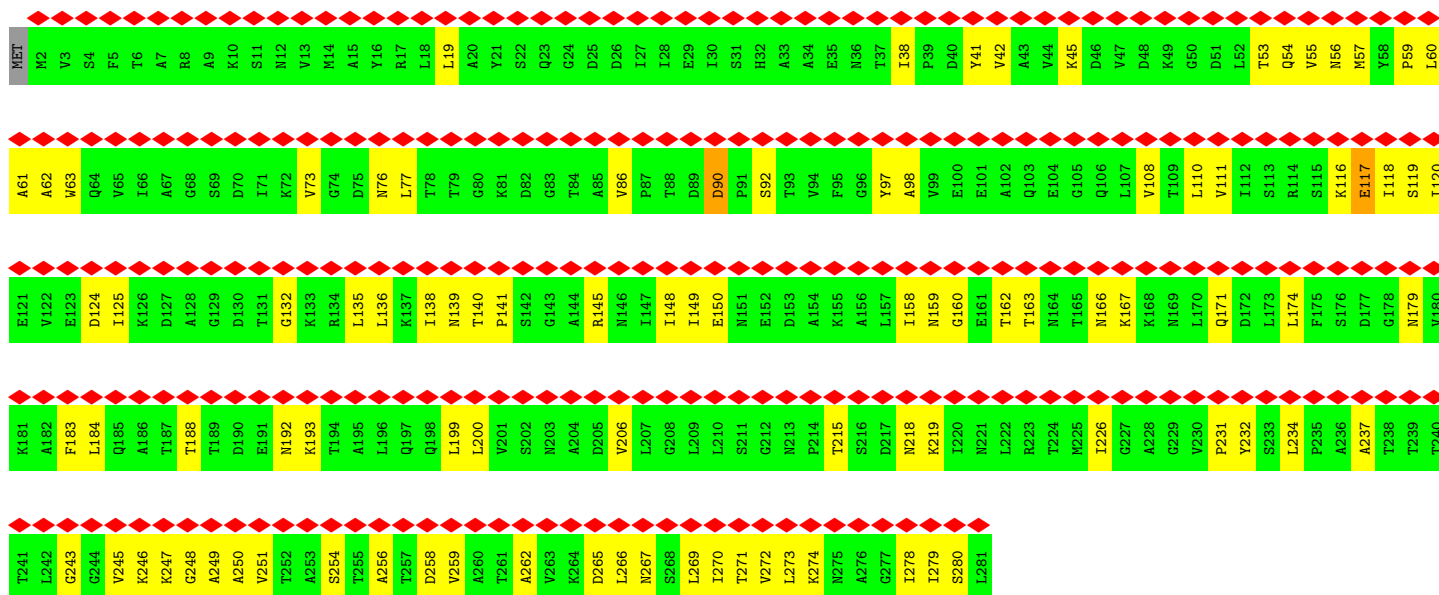


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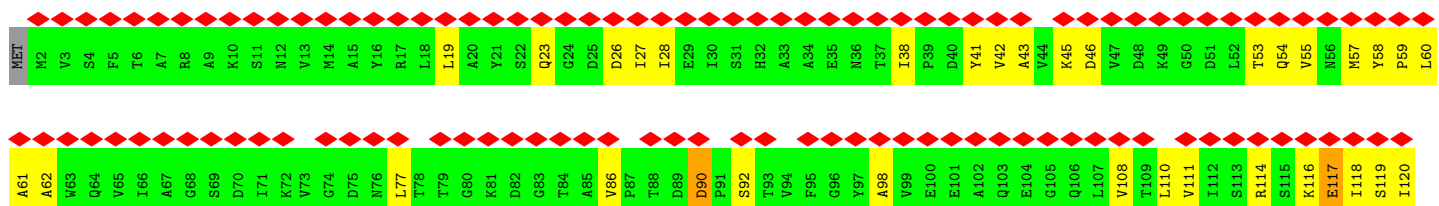
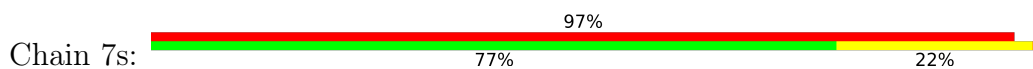


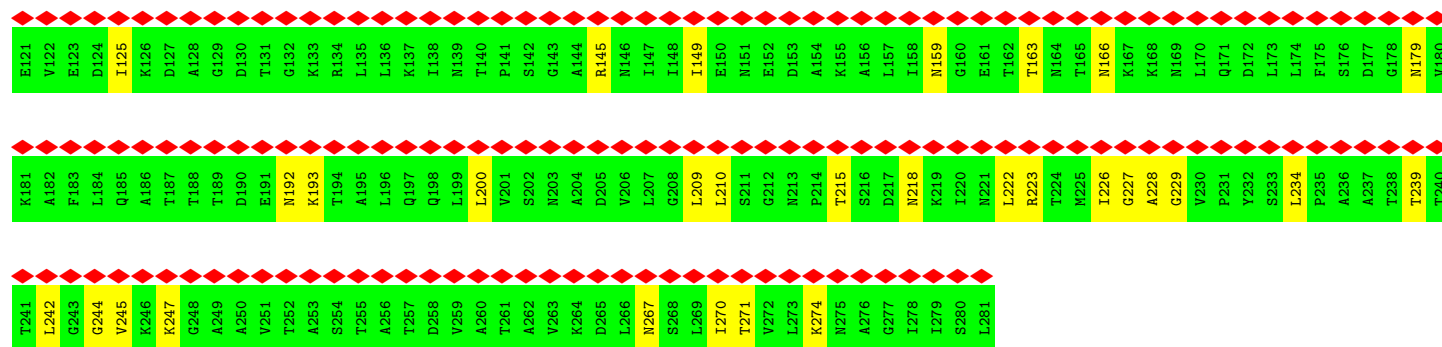


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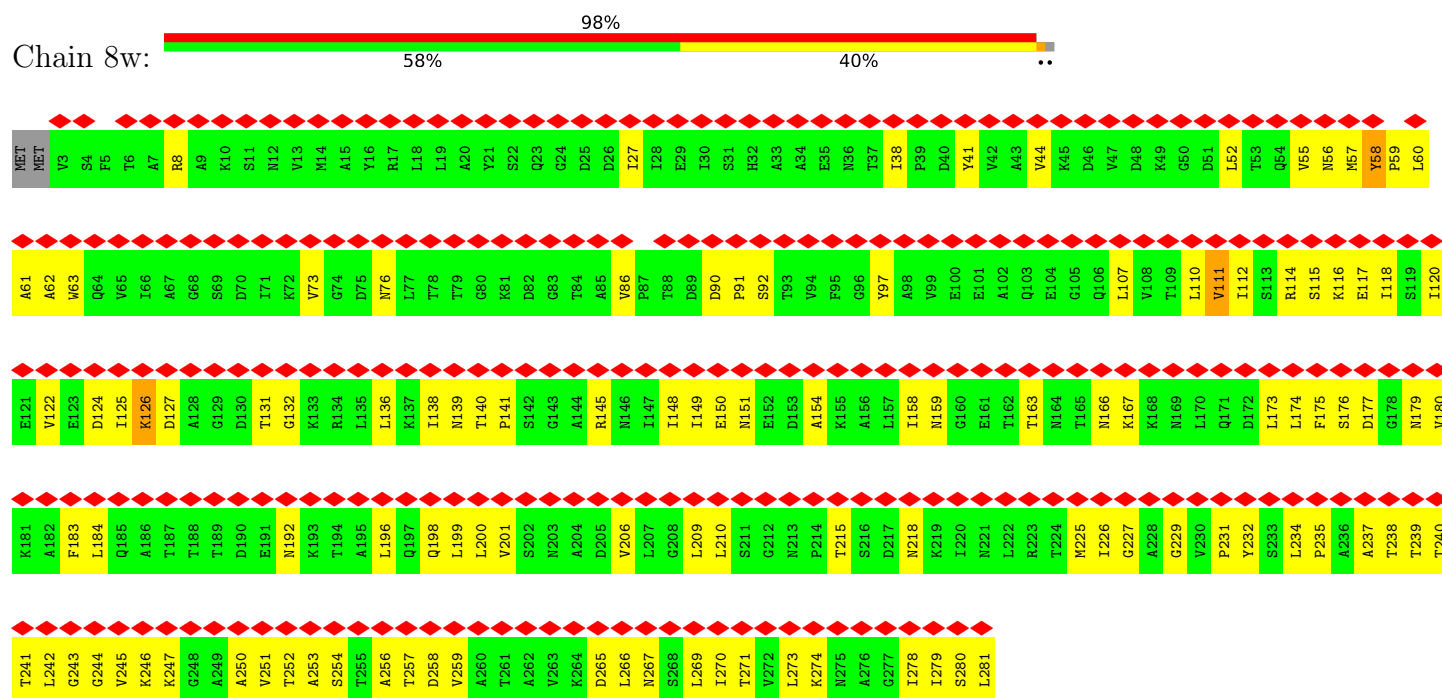


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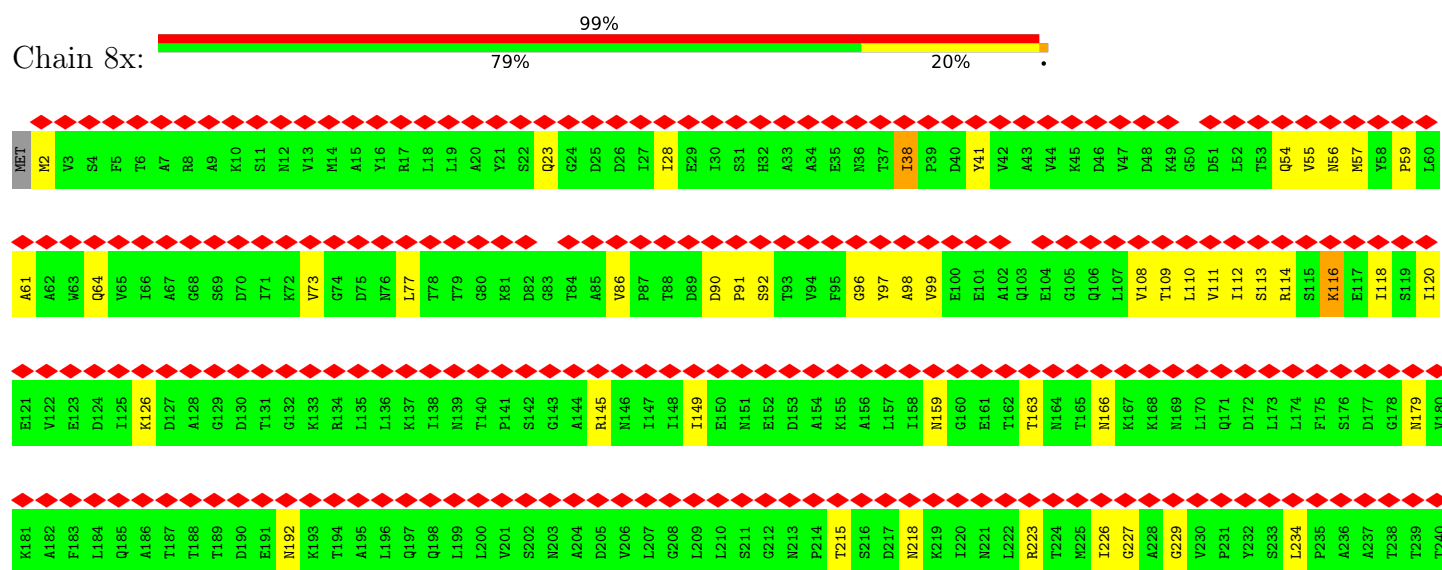




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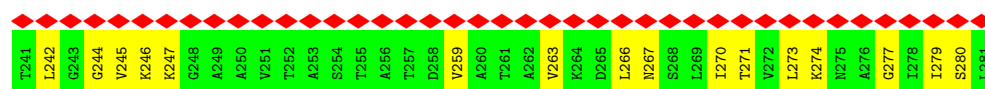
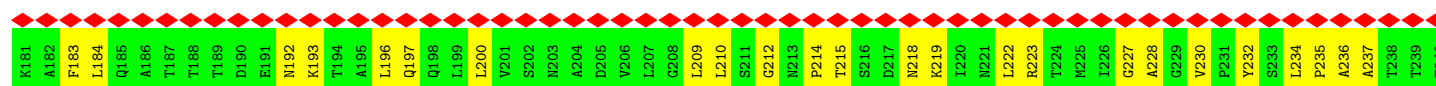
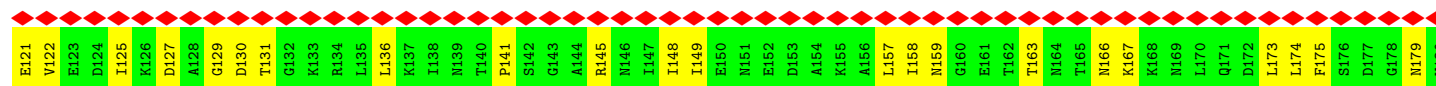
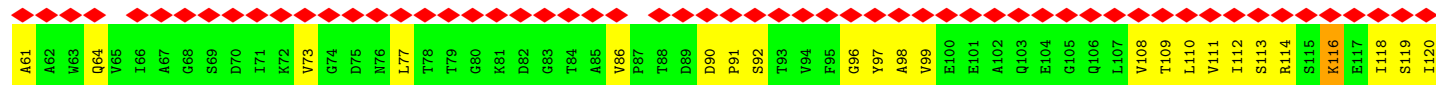
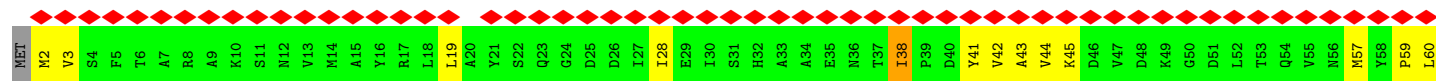


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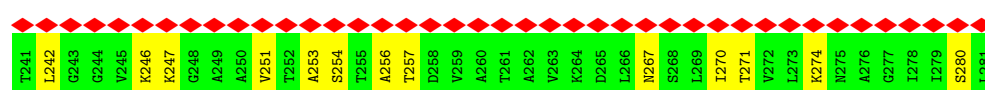
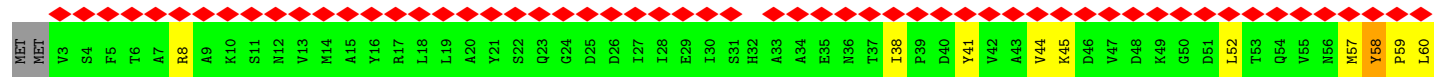
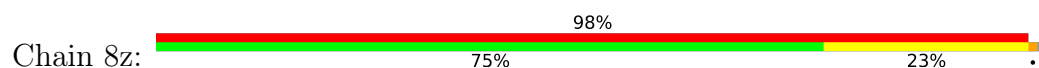




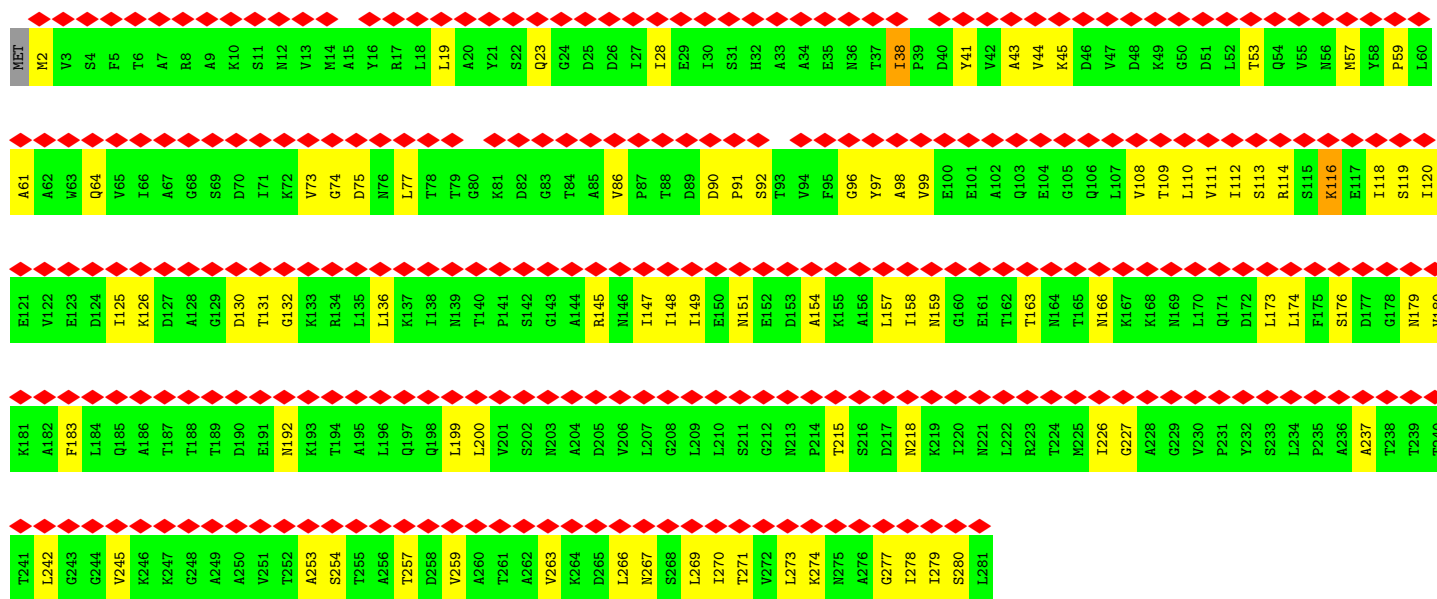
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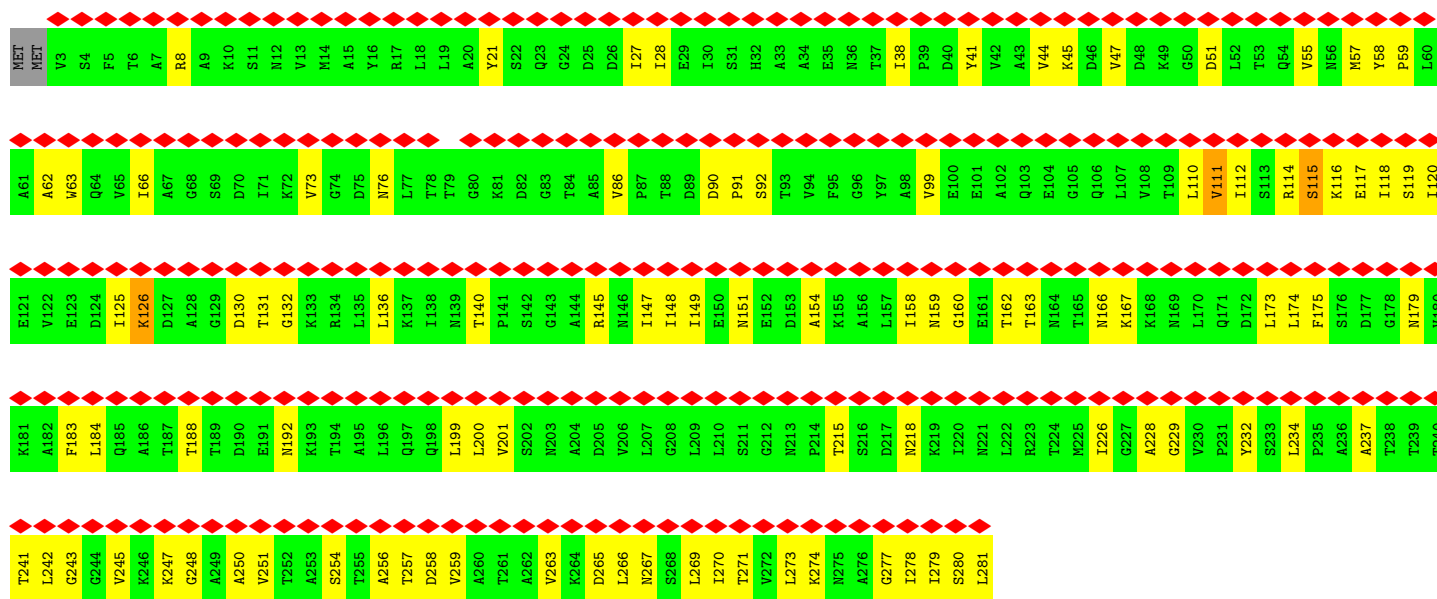
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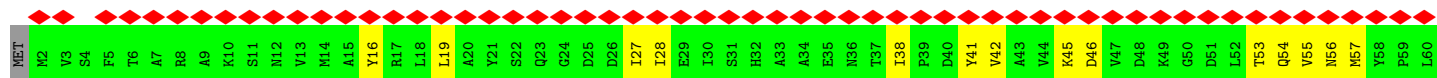
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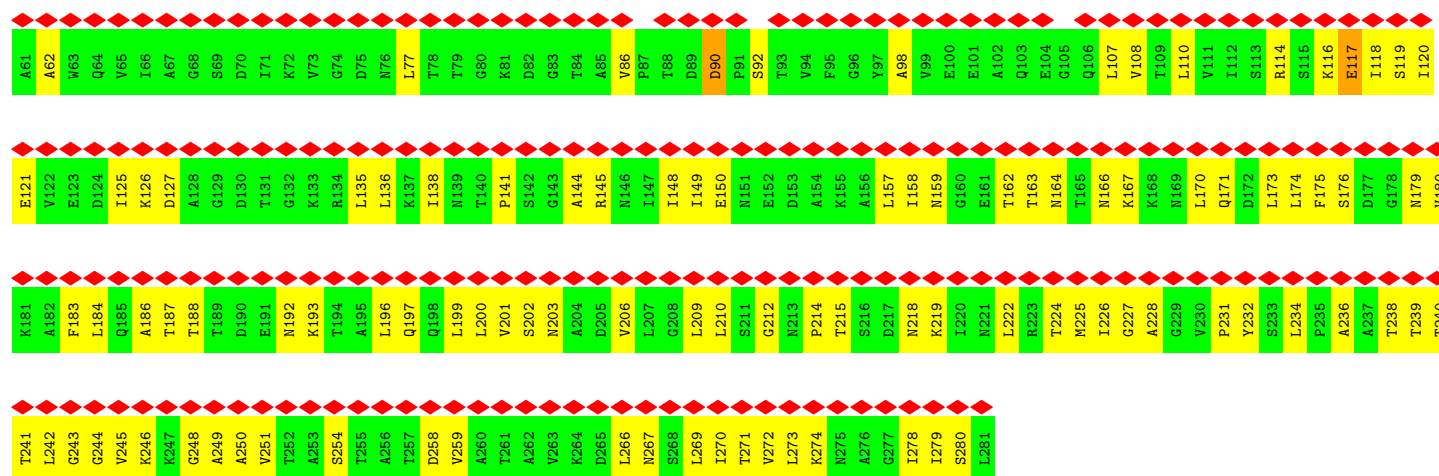


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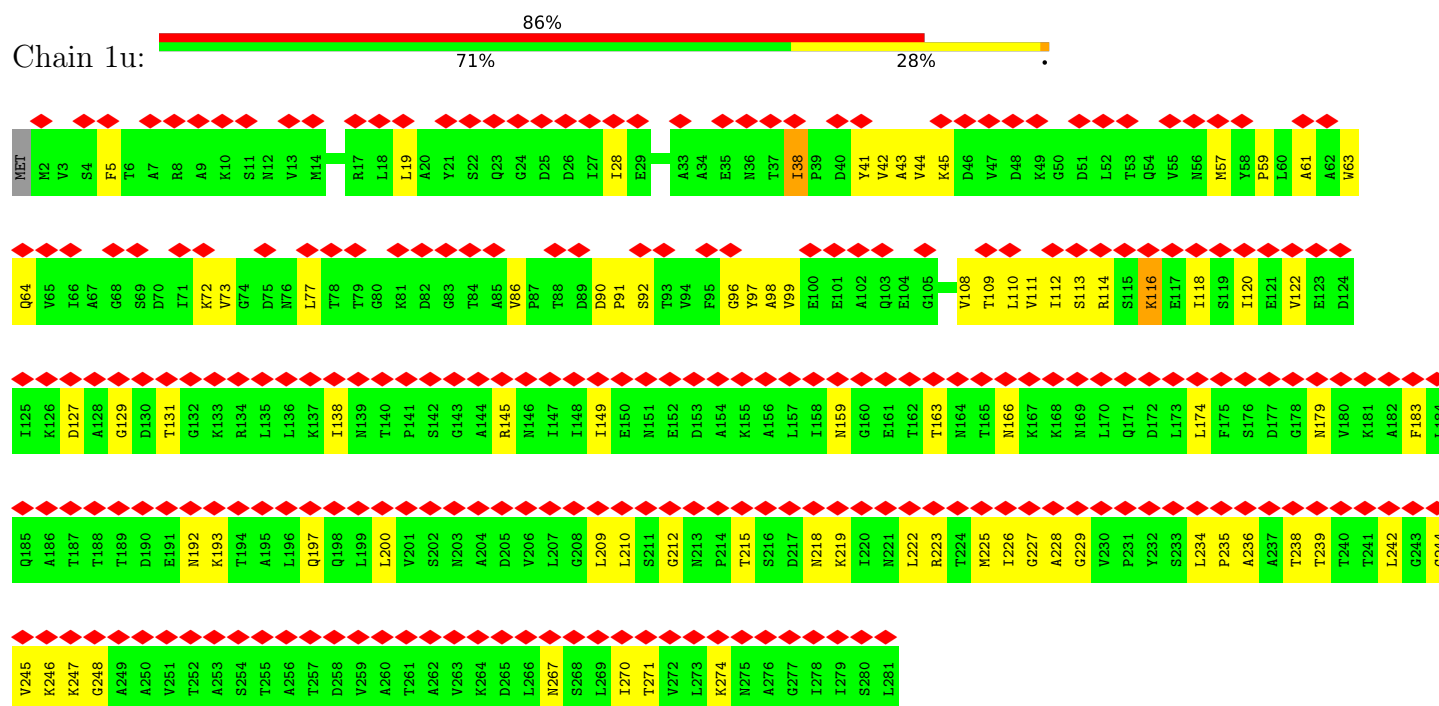


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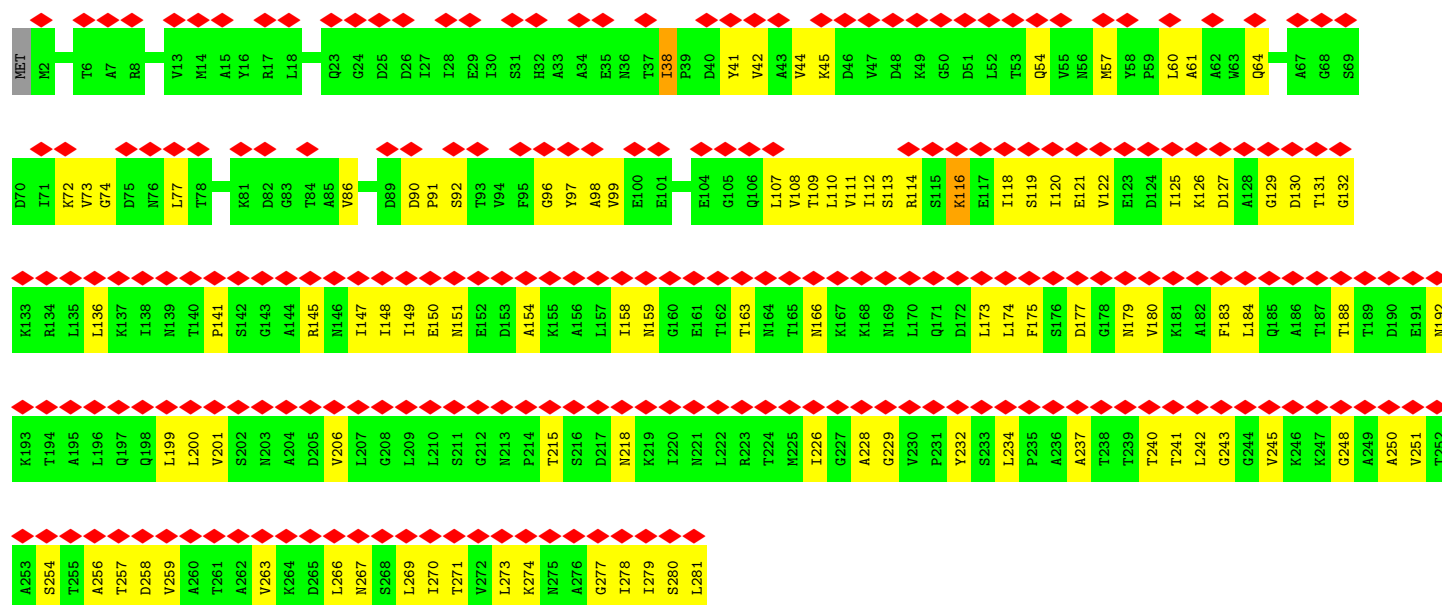
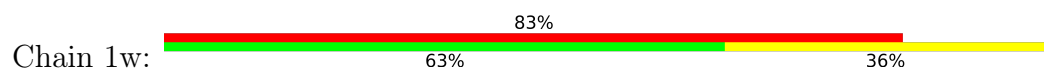


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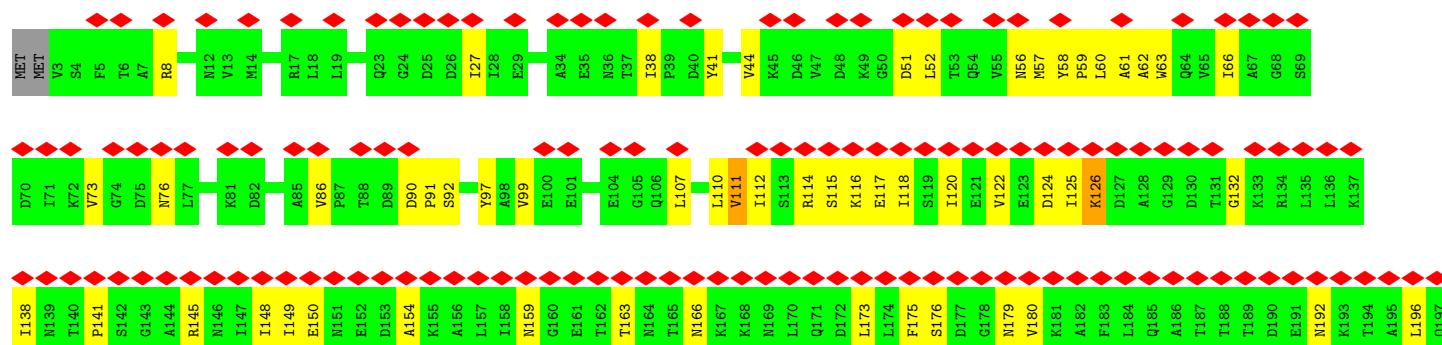
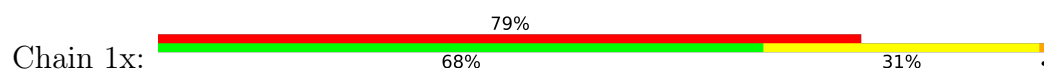




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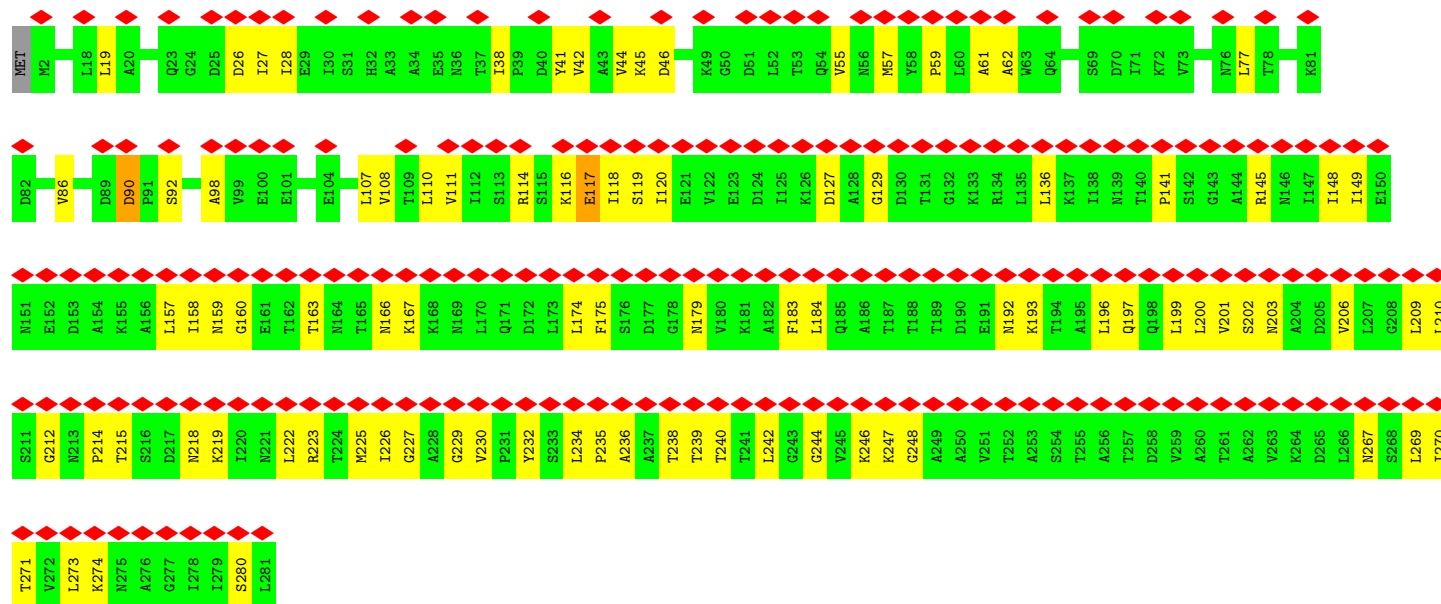
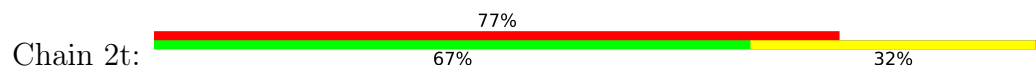


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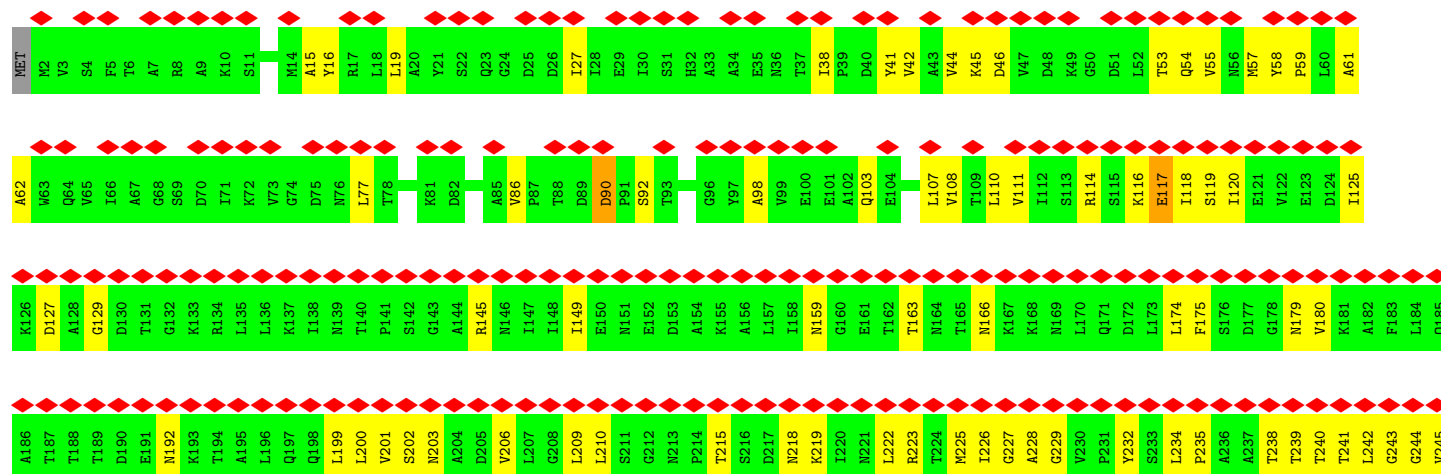
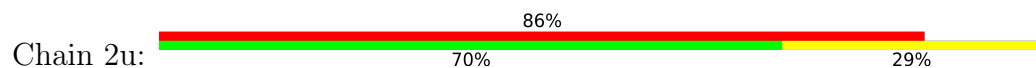




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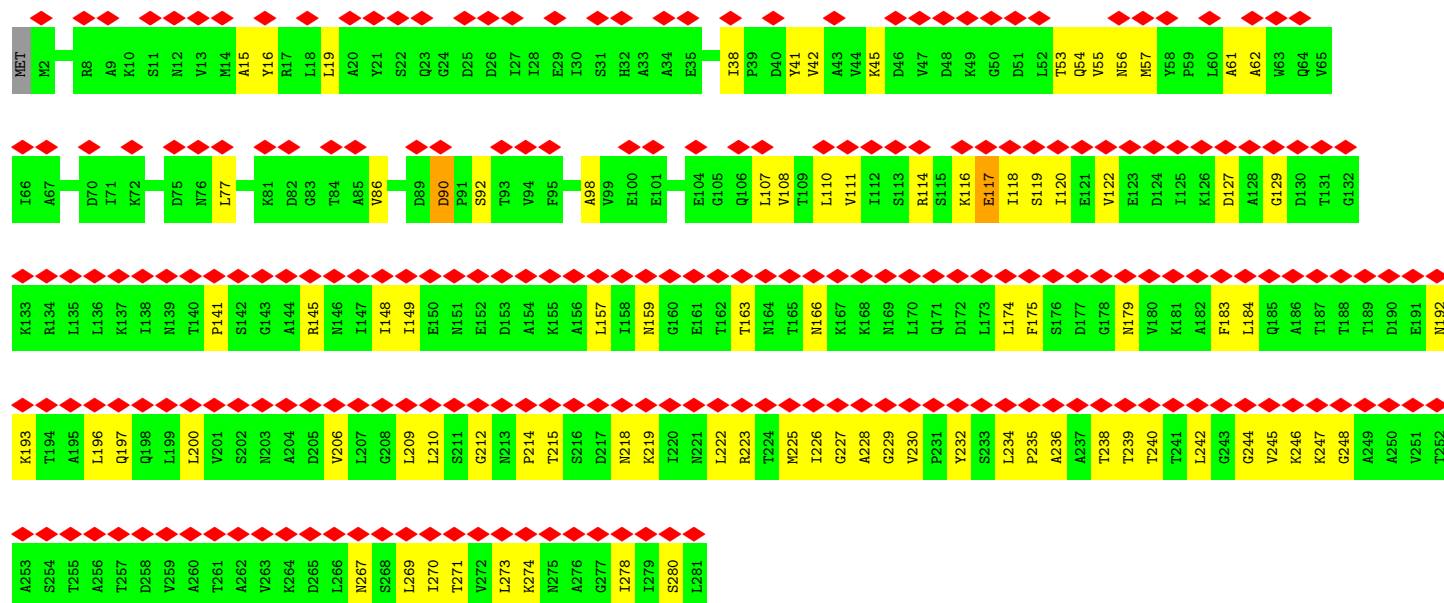
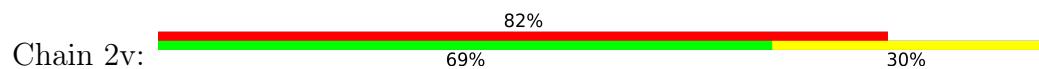


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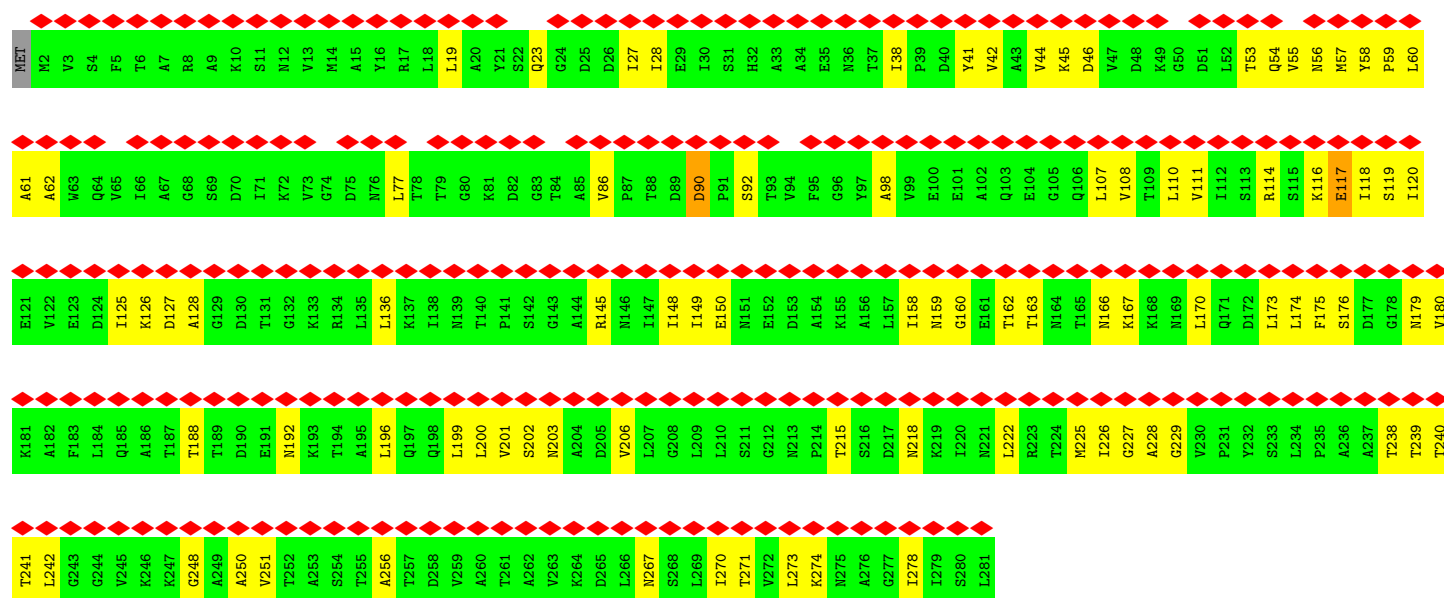




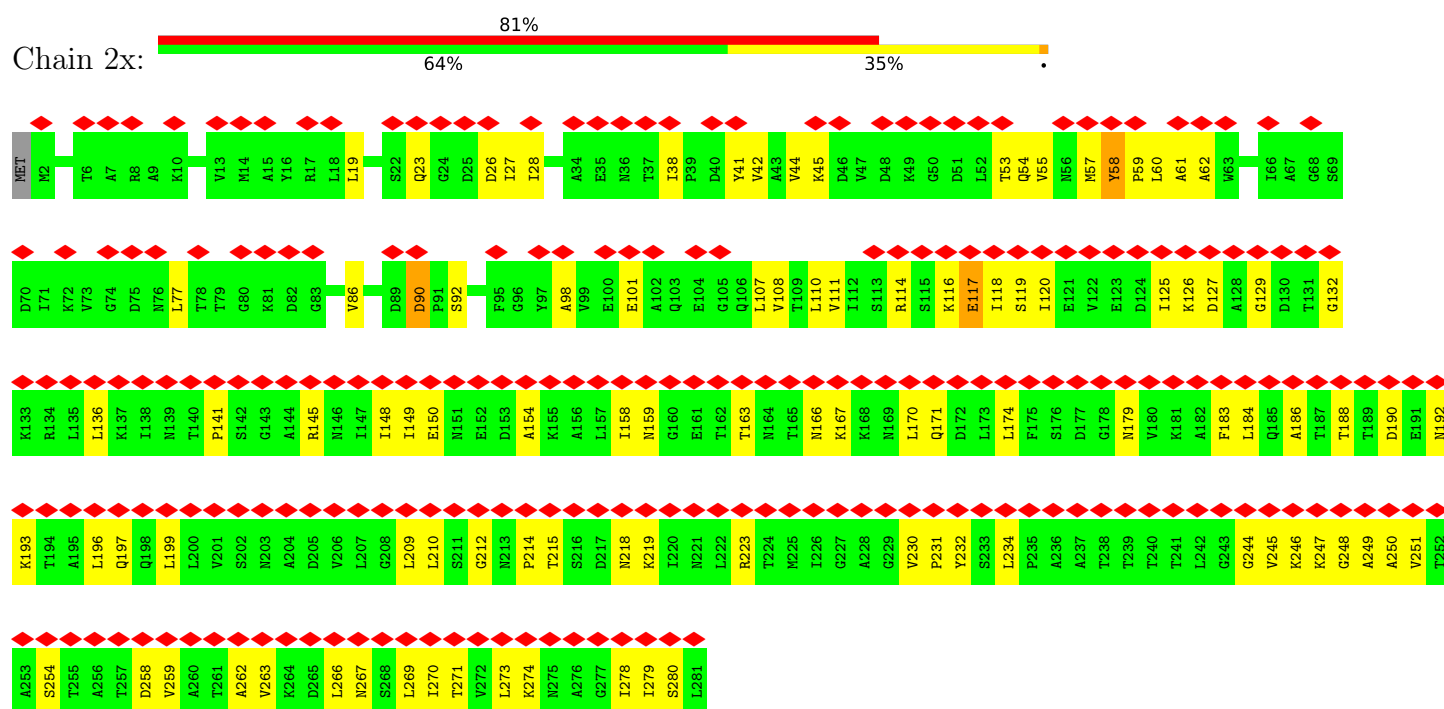
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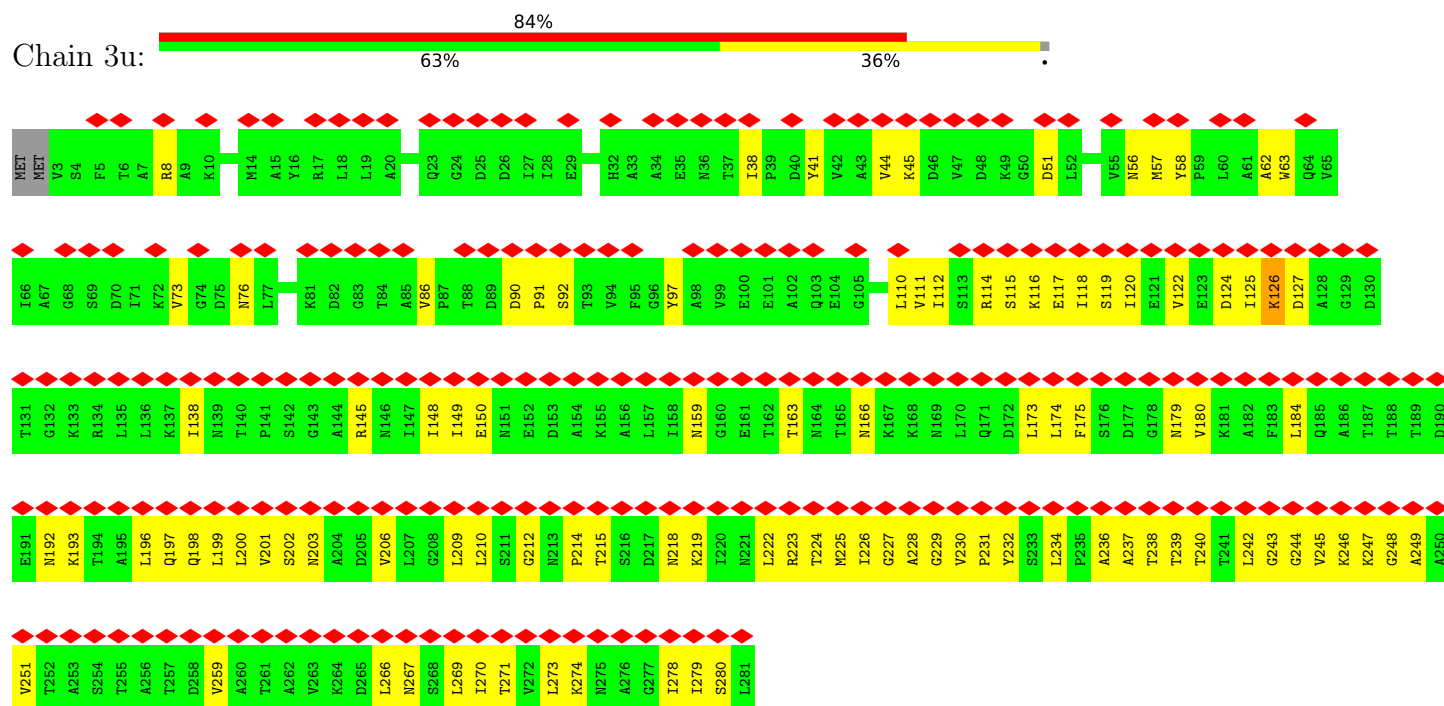
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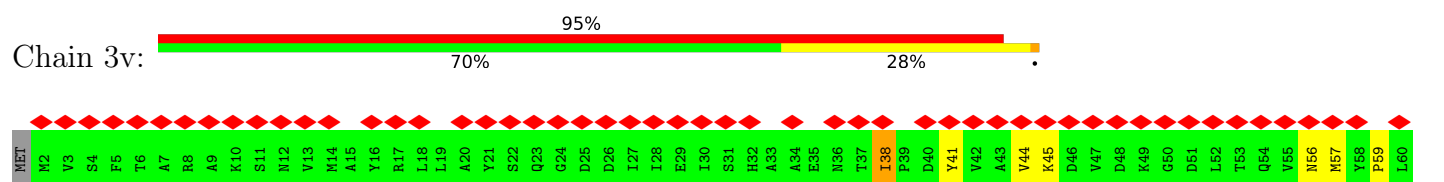
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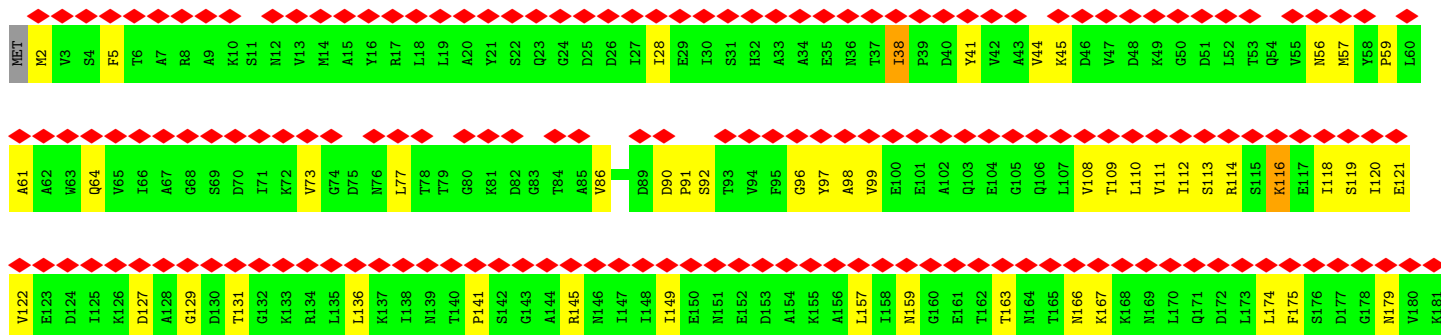


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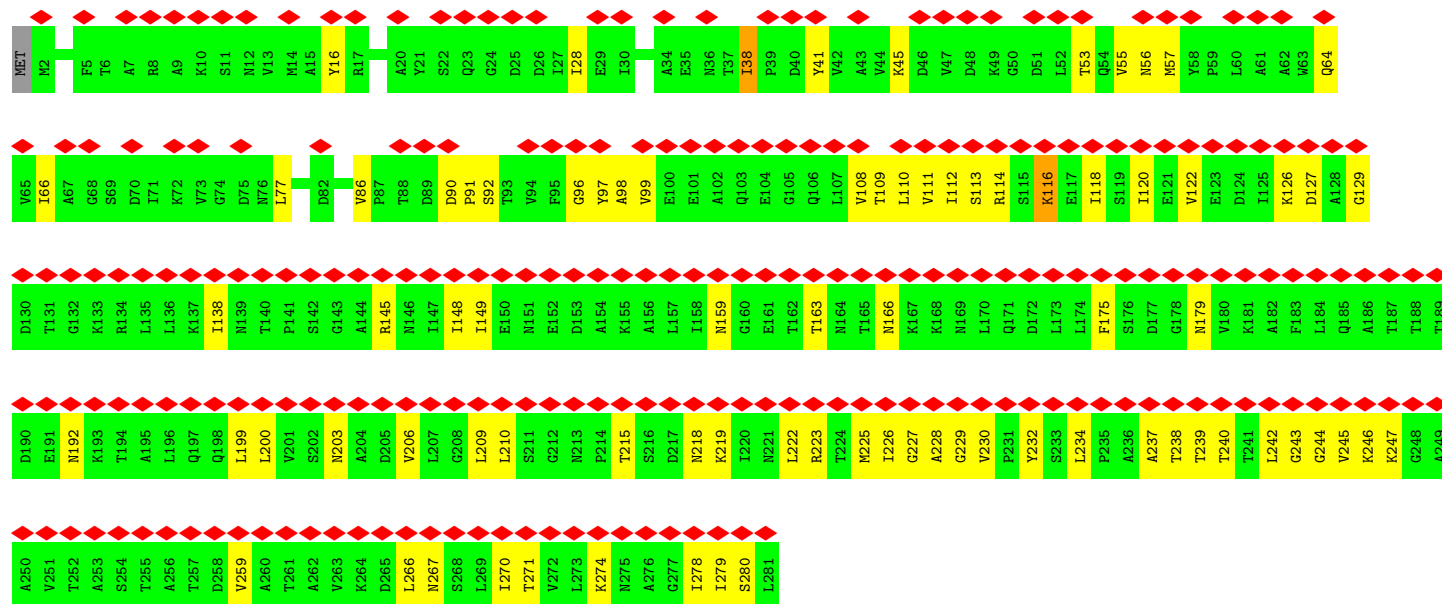
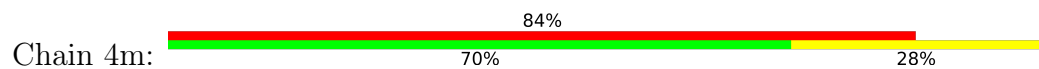
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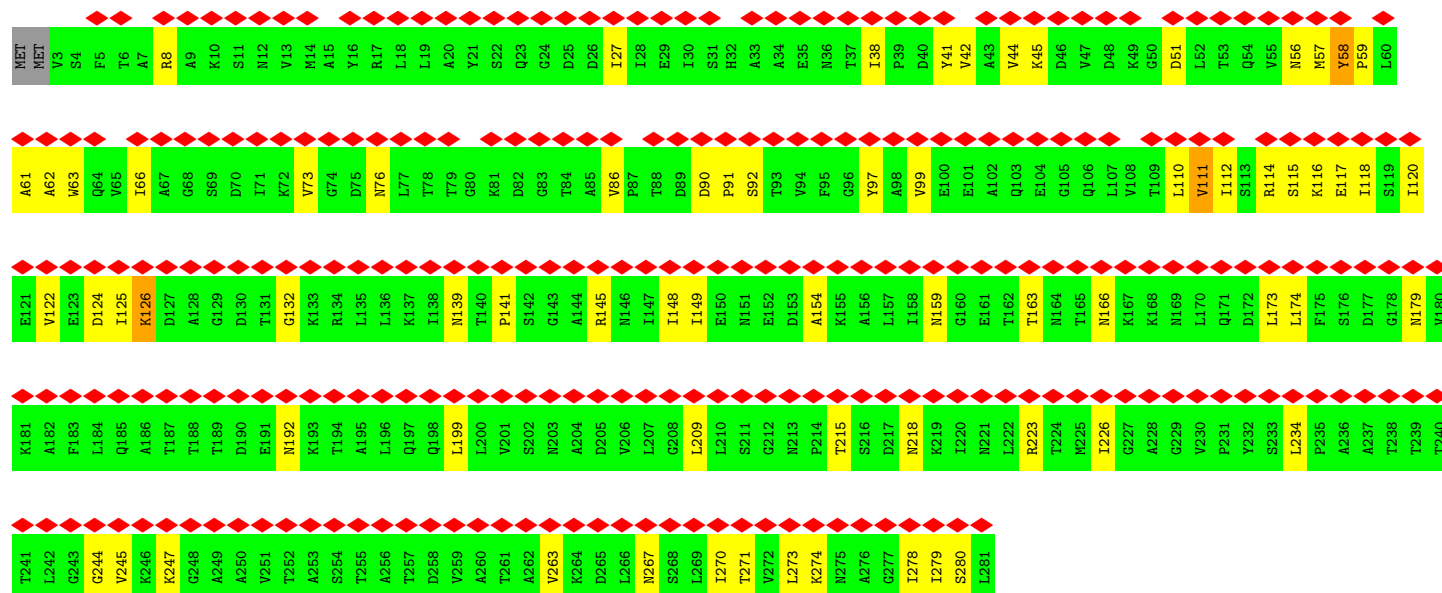
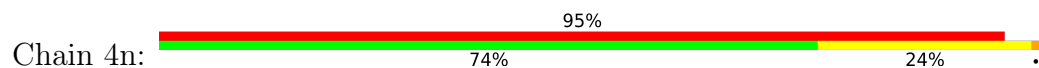




• Molecule 2: Capsid fiber protein

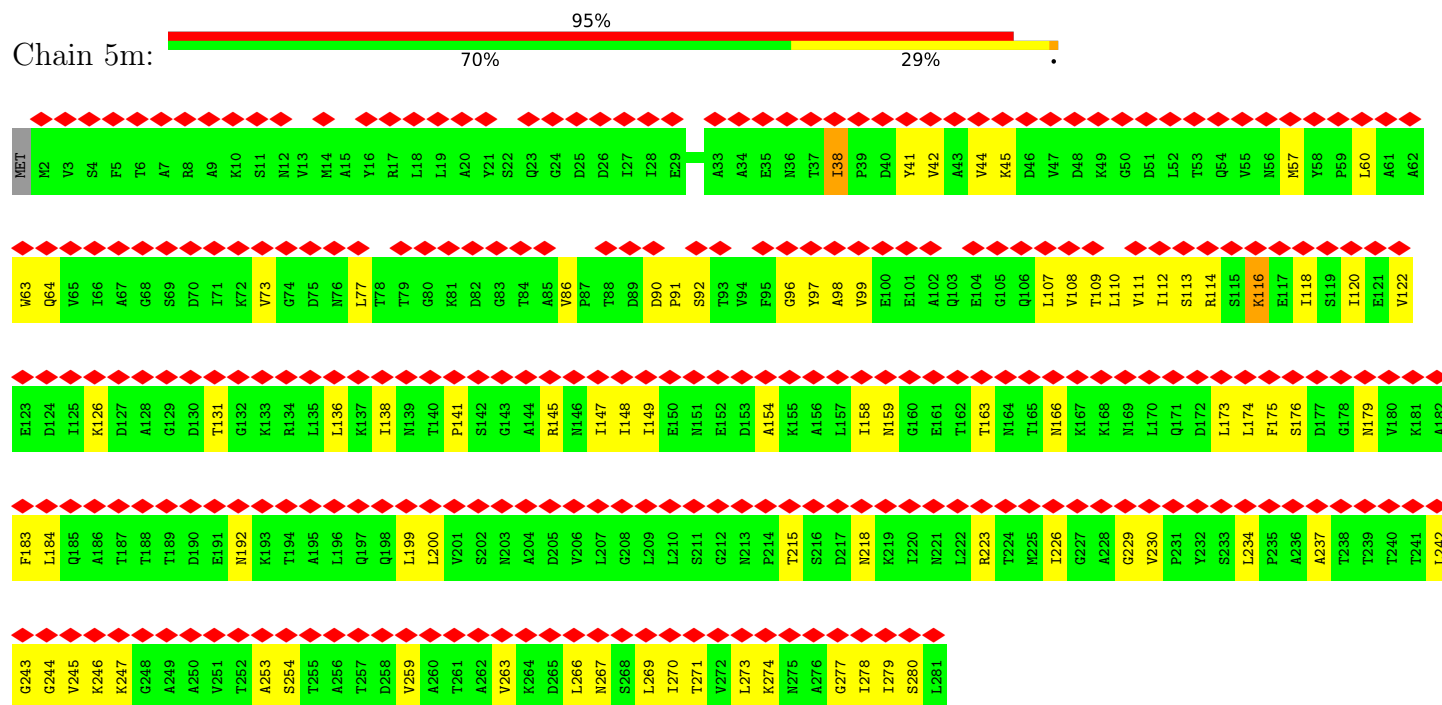


• Molecule 2: Capsid fiber protein



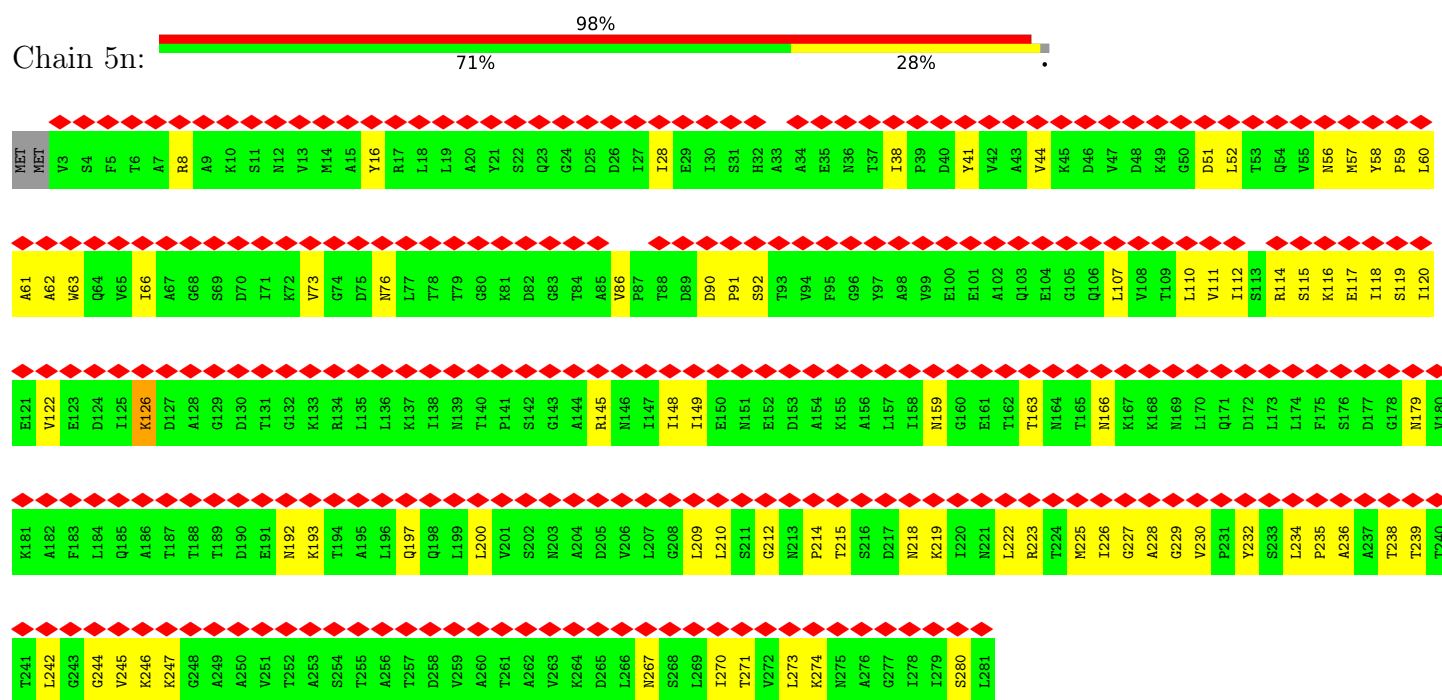
● Molecule 2: Capsid fiber protein

Chain 5m:



● Molecule 2: Capsid fiber protein

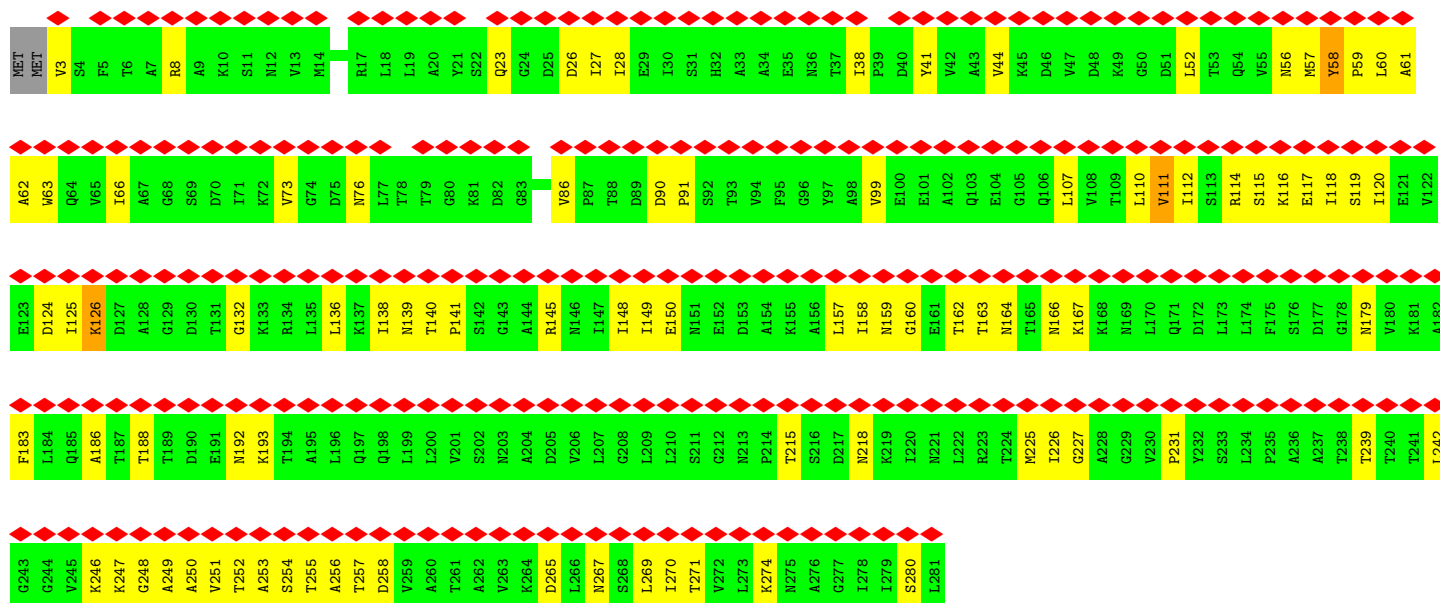
Chain 5n:



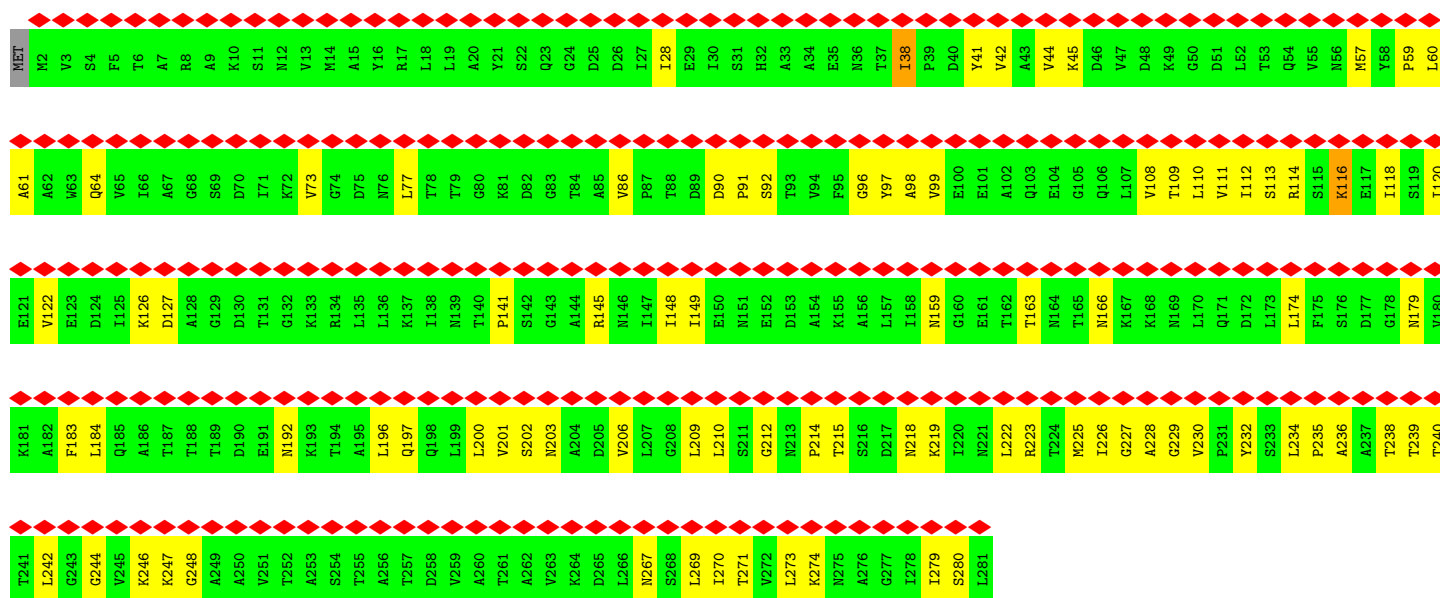
● Molecule 2: Capsid fiber protein

Chain 6u:

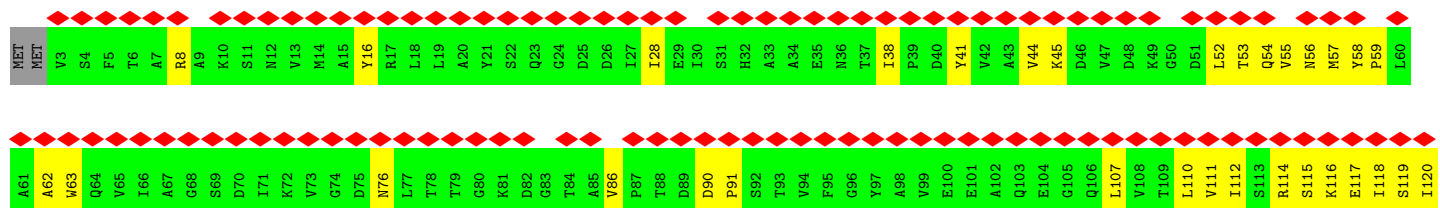




• Molecule 2: Capsid fiber protein

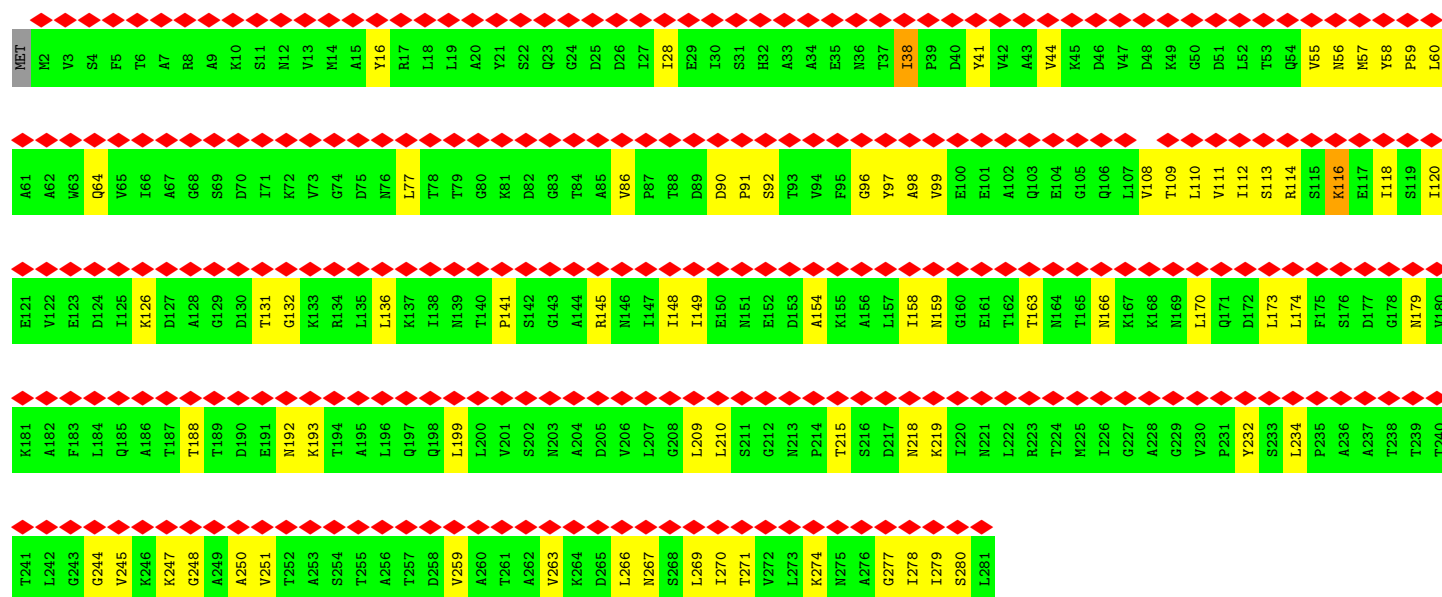
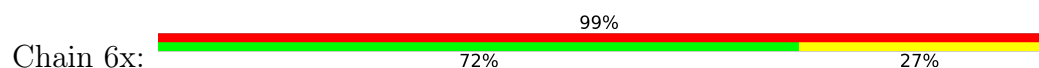


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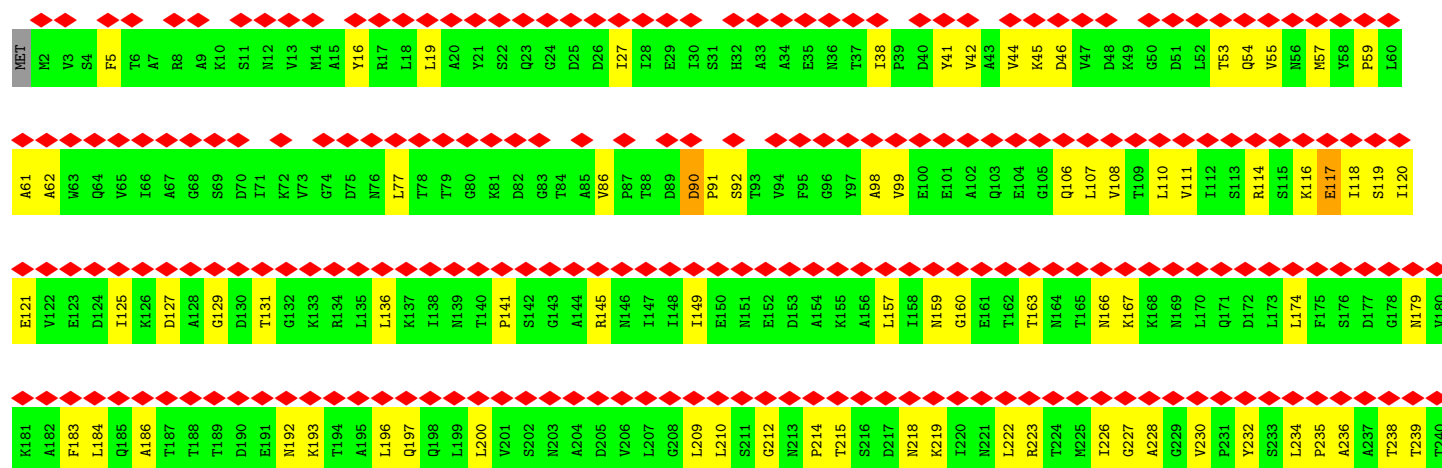


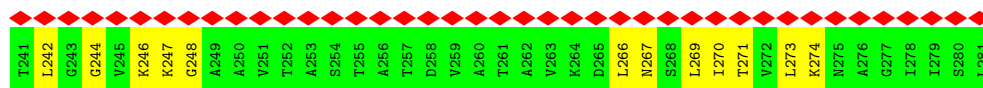


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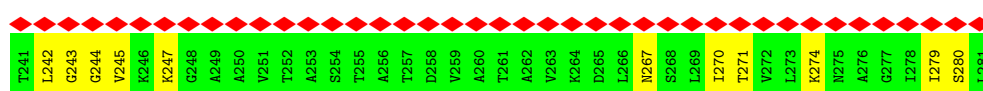
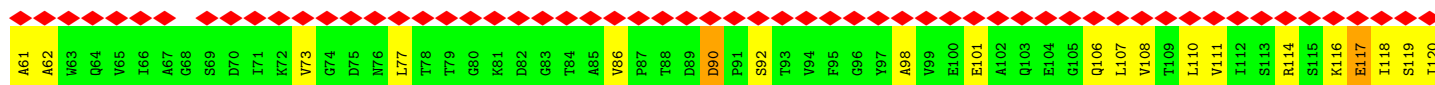
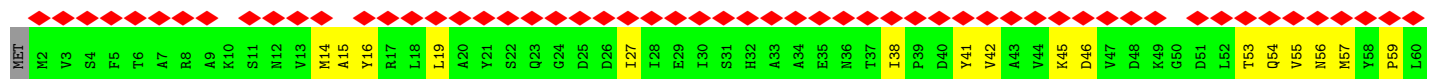
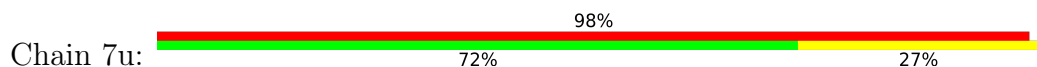


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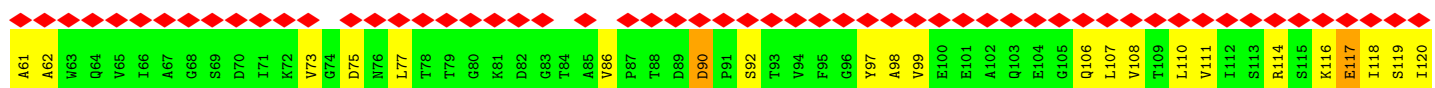
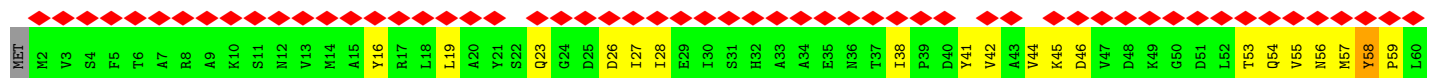
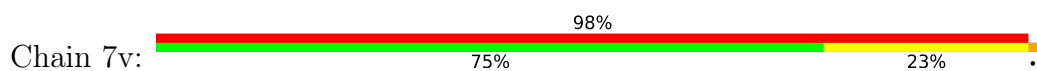




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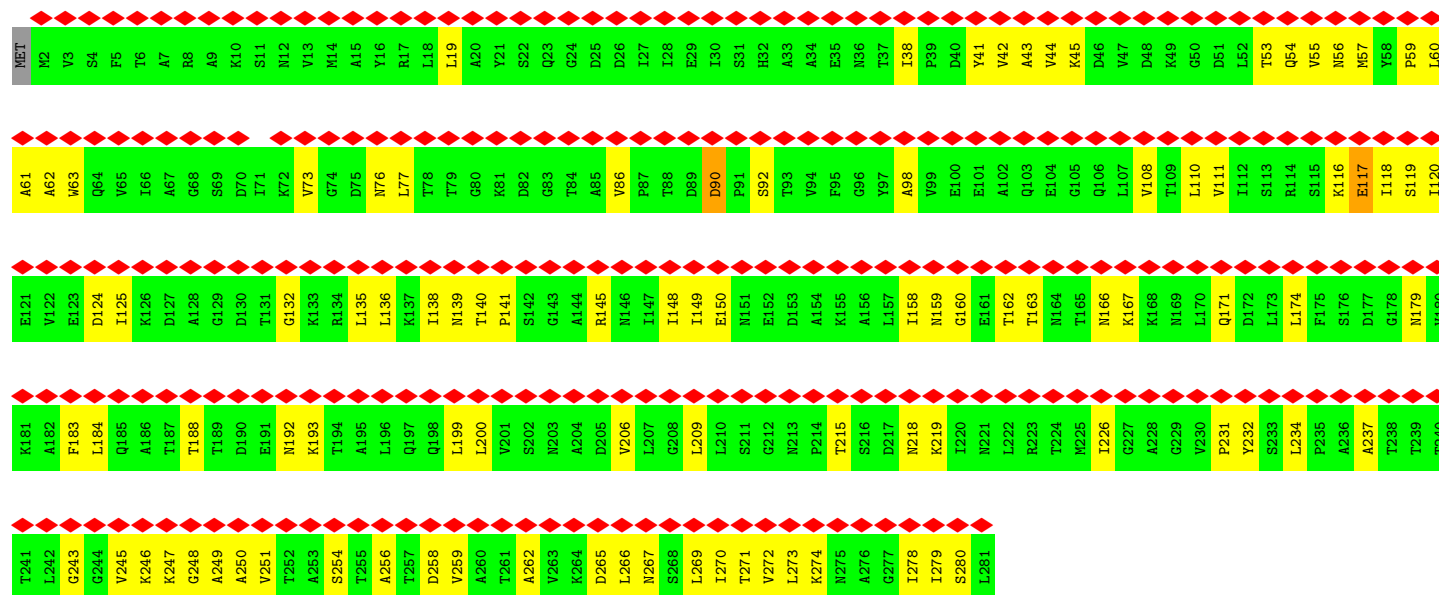


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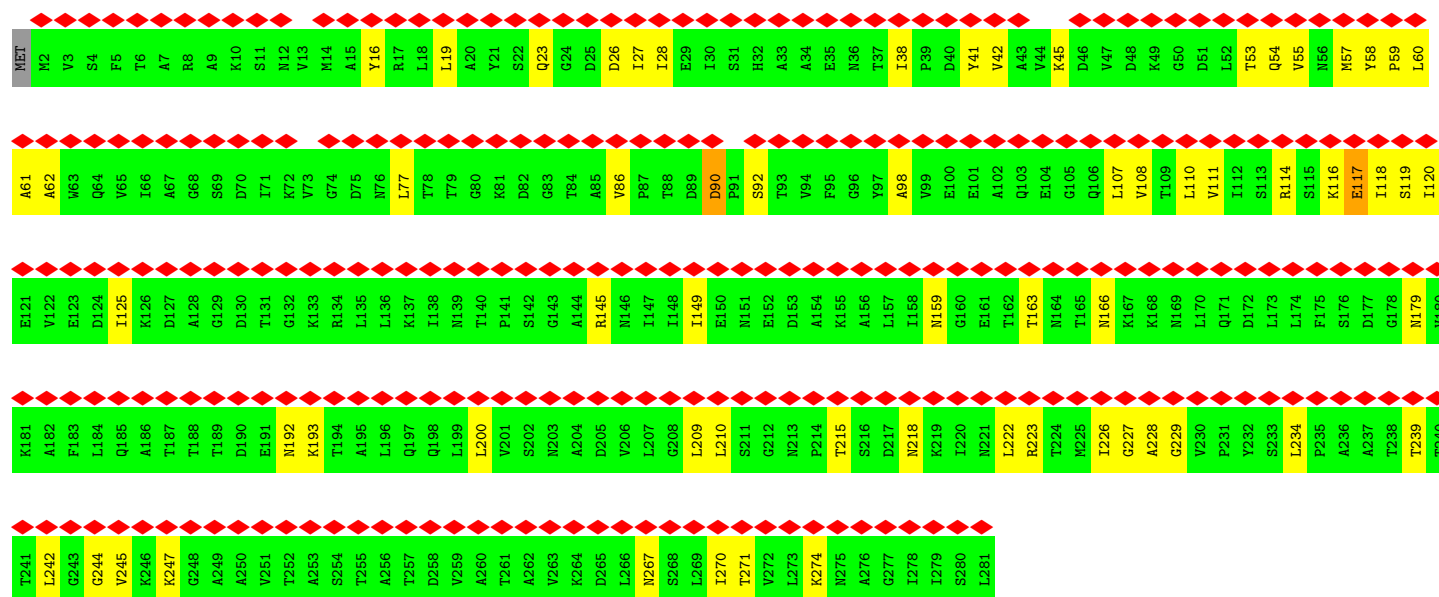
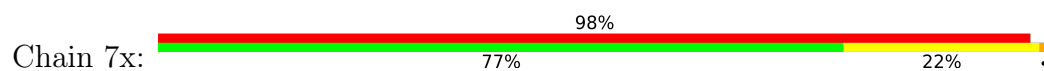


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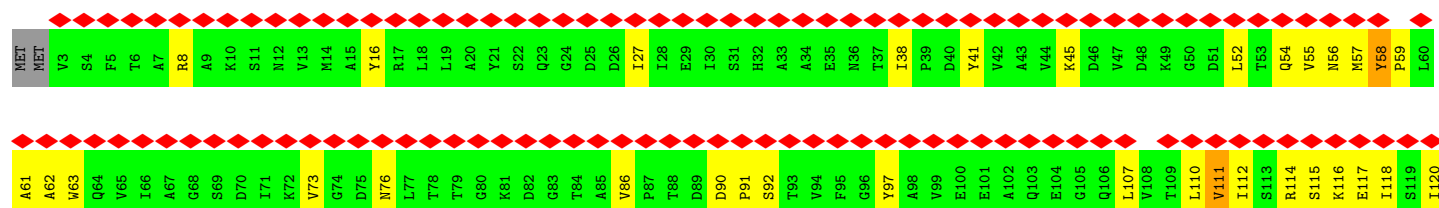




- Molecule 2: Capsid fiber protein

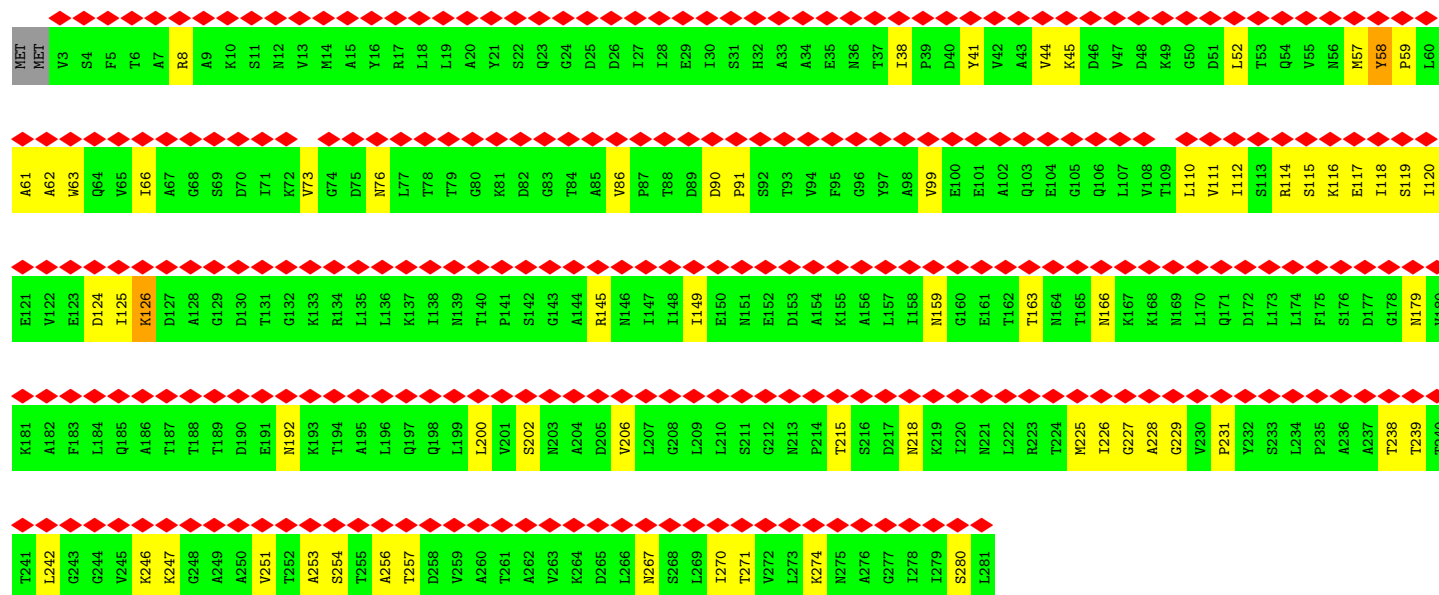
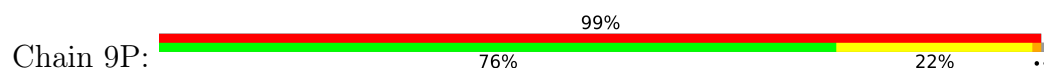


- Molecule 2: Capsid fiber protein

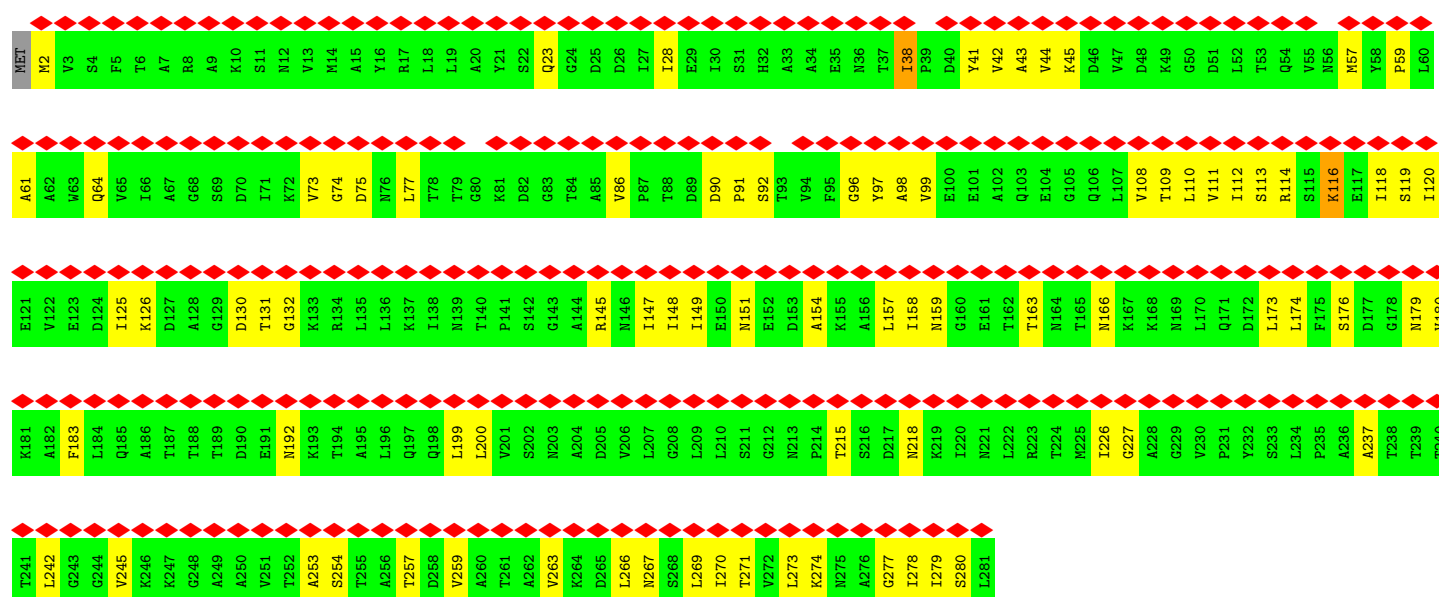
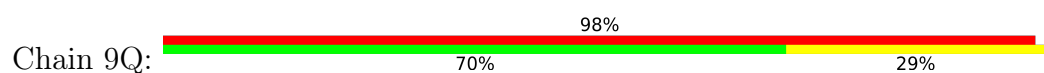




• Molecule 2: Capsid fiber protein



• Molecule 2: Capsid fiber protein



• Molecule 2: Capsid fiber protein

Chain 9R:

- Molecule 2: Capsid fiber protein

Chain 9J:

4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	18230	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING ONLY	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	25	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	KODAK SO-163 FILM	Depositor
Maximum map value	22.243	Depositor
Minimum map value	-0.425	Depositor
Average map value	0.118	Depositor
Map value standard deviation	0.805	Depositor
Recommended contour level	4.5	Depositor
Map size ($\text{\AA}$)	754.688, 754.688, 754.688	wwPDB
Map dimensions	704, 704, 704	wwPDB
Map angles ($^\circ$)	90.0, 90.0, 90.0	wwPDB
Pixel spacing ($\text{\AA}$)	1.072, 1.072, 1.072	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	$\# Z > 5$	RMSZ	$\# Z > 5$
1	1A	0.86	0/3460	1.03	7/4698 (0.1%)
1	1B	1.04	0/3551	1.16	23/4822 (0.5%)
1	1C	1.05	0/3551	1.12	22/4822 (0.5%)
1	1D	1.05	0/3551	1.16	17/4822 (0.4%)
1	1E	1.04	0/3489	1.13	16/4737 (0.3%)
1	1F	1.02	0/3513	1.17	23/4771 (0.5%)
1	1G	0.86	0/3460	1.03	7/4698 (0.1%)
1	1H	1.04	0/3551	1.16	23/4822 (0.5%)
1	1I	1.05	0/3551	1.12	22/4822 (0.5%)
1	1J	1.05	0/3551	1.16	17/4822 (0.4%)
1	1K	1.04	0/3489	1.13	16/4737 (0.3%)
1	1L	1.02	0/3513	1.17	23/4771 (0.5%)
1	1M	0.86	0/3460	1.03	7/4698 (0.1%)
1	1N	1.04	0/3551	1.16	23/4822 (0.5%)
1	1O	1.05	0/3551	1.12	22/4822 (0.5%)
1	1P	1.05	0/3551	1.16	17/4822 (0.4%)
1	1Q	1.04	0/3489	1.13	16/4737 (0.3%)
1	1R	1.03	0/3513	1.17	23/4771 (0.5%)
1	1S	0.86	1/3460 (0.0%)	1.02	7/4698 (0.1%)
1	1T	1.04	0/3551	1.16	23/4822 (0.5%)
1	1U	1.05	0/3551	1.12	23/4822 (0.5%)
1	1V	1.05	0/3551	1.16	17/4822 (0.4%)
1	1W	1.04	0/3489	1.13	16/4737 (0.3%)
1	1X	1.03	0/3513	1.17	23/4771 (0.5%)
1	1Y	0.86	1/3460 (0.0%)	1.03	7/4698 (0.1%)
1	1Z	1.04	0/3551	1.16	23/4822 (0.5%)
1	1a	1.05	0/3551	1.12	23/4822 (0.5%)
1	1b	1.05	0/3551	1.16	17/4822 (0.4%)
1	1c	1.04	0/3489	1.13	16/4737 (0.3%)
1	1d	1.03	0/3513	1.17	23/4771 (0.5%)
1	2A	1.04	0/3493	1.11	22/4743 (0.5%)
1	2B	1.08	0/3551	1.18	23/4822 (0.5%)
1	2C	1.04	0/3551	1.14	23/4822 (0.5%)
1	2D	1.06	0/3551	1.14	23/4822 (0.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	2E	1.06	0/3551	1.16	25/4822 (0.5%)
1	2F	1.04	0/3493	1.12	22/4743 (0.5%)
1	2G	1.08	0/3551	1.18	23/4822 (0.5%)
1	2H	1.04	0/3551	1.14	23/4822 (0.5%)
1	2I	1.06	0/3551	1.14	23/4822 (0.5%)
1	2J	1.06	0/3551	1.16	26/4822 (0.5%)
1	2K	1.04	0/3493	1.11	22/4743 (0.5%)
1	2L	1.08	0/3551	1.18	23/4822 (0.5%)
1	2M	1.04	0/3551	1.14	23/4822 (0.5%)
1	2N	1.06	0/3551	1.14	23/4822 (0.5%)
1	2O	1.06	0/3551	1.16	25/4822 (0.5%)
1	2P	1.04	0/3493	1.12	22/4743 (0.5%)
1	2Q	1.08	0/3551	1.18	23/4822 (0.5%)
1	2R	1.04	0/3551	1.14	23/4822 (0.5%)
1	2S	1.06	0/3551	1.14	23/4822 (0.5%)
1	2T	1.06	0/3551	1.16	25/4822 (0.5%)
1	2U	1.04	0/3493	1.12	22/4743 (0.5%)
1	2V	1.08	0/3551	1.18	23/4822 (0.5%)
1	2W	1.04	0/3551	1.14	23/4822 (0.5%)
1	2X	1.06	0/3551	1.14	23/4822 (0.5%)
1	2Y	1.06	0/3551	1.16	25/4822 (0.5%)
1	3A	1.07	0/3489	1.14	17/4737 (0.4%)
1	3B	1.08	0/3489	1.16	22/4737 (0.5%)
1	3C	1.09	0/3551	1.14	17/4822 (0.4%)
1	3D	1.10	0/3551	1.14	22/4822 (0.5%)
1	3E	1.08	0/3551	1.14	22/4822 (0.5%)
1	3F	1.08	0/3551	1.15	23/4822 (0.5%)
1	3G	1.07	0/3489	1.14	17/4737 (0.4%)
1	3H	1.08	0/3489	1.16	22/4737 (0.5%)
1	3I	1.09	0/3551	1.14	17/4822 (0.4%)
1	3J	1.10	0/3551	1.14	22/4822 (0.5%)
1	3K	1.08	0/3551	1.14	22/4822 (0.5%)
1	3L	1.08	0/3551	1.15	23/4822 (0.5%)
1	3M	1.07	0/3489	1.14	19/4737 (0.4%)
1	3N	1.08	0/3489	1.16	22/4737 (0.5%)
1	3O	1.09	0/3551	1.14	17/4822 (0.4%)
1	3P	1.10	0/3551	1.14	22/4822 (0.5%)
1	3Q	1.08	0/3551	1.14	22/4822 (0.5%)
1	3R	1.08	0/3551	1.15	23/4822 (0.5%)
1	3S	1.07	0/3489	1.14	17/4737 (0.4%)
1	3T	1.08	0/3489	1.16	22/4737 (0.5%)
1	3U	1.09	0/3551	1.14	17/4822 (0.4%)
1	3V	1.10	0/3551	1.14	22/4822 (0.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	3W	1.08	0/3551	1.14	22/4822 (0.5%)
1	3X	1.08	0/3551	1.15	23/4822 (0.5%)
1	3Y	1.07	0/3489	1.14	17/4737 (0.4%)
1	3Z	1.08	0/3489	1.16	22/4737 (0.5%)
1	3a	1.09	0/3551	1.14	17/4822 (0.4%)
1	3b	1.10	0/3551	1.15	22/4822 (0.5%)
1	3c	1.08	0/3551	1.14	22/4822 (0.5%)
1	3d	1.08	0/3551	1.15	23/4822 (0.5%)
1	4A	1.10	0/3489	1.14	18/4737 (0.4%)
1	4B	1.09	0/3489	1.16	21/4737 (0.4%)
1	4C	1.10	0/3489	1.16	19/4737 (0.4%)
1	4D	1.09	0/3489	1.14	24/4737 (0.5%)
1	4E	1.10	0/3551	1.15	24/4822 (0.5%)
1	4F	1.08	1/3551 (0.0%)	1.16	19/4822 (0.4%)
1	4G	1.10	0/3489	1.14	18/4737 (0.4%)
1	4H	1.09	0/3489	1.16	21/4737 (0.4%)
1	4I	1.10	0/3489	1.16	19/4737 (0.4%)
1	4J	1.09	0/3489	1.14	24/4737 (0.5%)
1	4K	1.10	0/3551	1.15	24/4822 (0.5%)
1	4L	1.08	1/3551 (0.0%)	1.16	19/4822 (0.4%)
1	4M	1.10	0/3489	1.14	18/4737 (0.4%)
1	4N	1.09	0/3489	1.16	21/4737 (0.4%)
1	4O	1.10	0/3489	1.16	19/4737 (0.4%)
1	4P	1.09	0/3489	1.14	23/4737 (0.5%)
1	4Q	1.10	0/3551	1.15	24/4822 (0.5%)
1	4R	1.08	1/3551 (0.0%)	1.16	19/4822 (0.4%)
1	4S	1.10	0/3489	1.14	18/4737 (0.4%)
1	4T	1.09	0/3489	1.16	21/4737 (0.4%)
1	4U	1.10	0/3489	1.16	19/4737 (0.4%)
1	4V	1.09	0/3489	1.14	23/4737 (0.5%)
1	4W	1.10	0/3551	1.15	24/4822 (0.5%)
1	4X	1.08	1/3551 (0.0%)	1.16	19/4822 (0.4%)
1	4Y	1.10	0/3489	1.14	18/4737 (0.4%)
1	4Z	1.09	0/3489	1.16	21/4737 (0.4%)
1	4a	1.10	0/3489	1.16	19/4737 (0.4%)
1	4b	1.09	0/3489	1.14	24/4737 (0.5%)
1	4c	1.10	0/3551	1.15	24/4822 (0.5%)
1	4d	1.08	0/3551	1.16	19/4822 (0.4%)
1	5A	1.10	0/3489	1.15	15/4737 (0.3%)
1	5B	1.06	0/3489	1.19	21/4737 (0.4%)
1	5C	1.08	0/3489	1.15	24/4737 (0.5%)
1	5D	1.09	0/3489	1.12	20/4737 (0.4%)
1	5E	1.09	1/3551 (0.0%)	1.15	19/4822 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	5F	1.06	0/3551	1.17	23/4822 (0.5%)
1	5G	1.10	0/3489	1.15	15/4737 (0.3%)
1	5H	1.06	0/3489	1.19	21/4737 (0.4%)
1	5I	1.08	0/3489	1.15	24/4737 (0.5%)
1	5J	1.09	0/3489	1.12	20/4737 (0.4%)
1	5K	1.09	1/3551 (0.0%)	1.15	19/4822 (0.4%)
1	5L	1.06	0/3551	1.17	23/4822 (0.5%)
1	5M	1.10	0/3489	1.15	15/4737 (0.3%)
1	5N	1.06	0/3489	1.19	23/4737 (0.5%)
1	5O	1.08	0/3489	1.15	24/4737 (0.5%)
1	5P	1.09	0/3489	1.12	20/4737 (0.4%)
1	5Q	1.09	1/3551 (0.0%)	1.15	19/4822 (0.4%)
1	5R	1.06	0/3551	1.17	23/4822 (0.5%)
1	5S	1.10	0/3489	1.15	15/4737 (0.3%)
1	5T	1.06	0/3489	1.19	21/4737 (0.4%)
1	5U	1.08	0/3489	1.15	24/4737 (0.5%)
1	5V	1.09	0/3489	1.12	20/4737 (0.4%)
1	5W	1.09	1/3551 (0.0%)	1.15	19/4822 (0.4%)
1	5X	1.06	0/3551	1.17	23/4822 (0.5%)
1	5Y	1.10	0/3489	1.15	15/4737 (0.3%)
1	5Z	1.06	0/3489	1.19	21/4737 (0.4%)
1	5a	1.08	0/3489	1.15	24/4737 (0.5%)
1	5b	1.09	0/3489	1.12	20/4737 (0.4%)
1	5c	1.09	1/3551 (0.0%)	1.15	19/4822 (0.4%)
1	5d	1.06	0/3551	1.17	23/4822 (0.5%)
1	6A	1.03	0/3551	1.17	21/4822 (0.4%)
1	6B	1.03	0/3551	1.13	23/4822 (0.5%)
1	6C	1.03	0/3489	1.12	20/4737 (0.4%)
1	6D	1.05	0/3489	1.17	23/4737 (0.5%)
1	6E	1.05	0/3551	1.17	26/4822 (0.5%)
1	6F	1.04	0/3551	1.15	24/4822 (0.5%)
1	6G	1.03	0/3551	1.17	21/4822 (0.4%)
1	6H	1.03	0/3551	1.13	23/4822 (0.5%)
1	6I	1.03	0/3489	1.12	20/4737 (0.4%)
1	6J	1.06	0/3489	1.16	24/4737 (0.5%)
1	6K	1.05	0/3551	1.17	27/4822 (0.6%)
1	6L	1.04	0/3551	1.15	24/4822 (0.5%)
1	6M	1.03	0/3551	1.17	21/4822 (0.4%)
1	6N	1.03	0/3551	1.13	23/4822 (0.5%)
1	6O	1.03	0/3489	1.12	20/4737 (0.4%)
1	6P	1.06	0/3489	1.17	23/4737 (0.5%)
1	6Q	1.05	0/3551	1.17	27/4822 (0.6%)
1	6R	1.04	0/3551	1.15	24/4822 (0.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	6S	1.03	0/3551	1.17	21/4822 (0.4%)
1	6T	1.03	0/3551	1.13	23/4822 (0.5%)
1	6U	1.03	0/3489	1.12	20/4737 (0.4%)
1	6V	1.06	0/3489	1.17	24/4737 (0.5%)
1	6W	1.05	0/3551	1.17	26/4822 (0.5%)
1	6X	1.04	0/3551	1.15	24/4822 (0.5%)
1	6Y	1.03	0/3551	1.17	21/4822 (0.4%)
1	6Z	1.03	0/3551	1.13	23/4822 (0.5%)
1	6a	1.03	0/3489	1.12	20/4737 (0.4%)
1	6b	1.06	0/3489	1.17	23/4737 (0.5%)
1	6c	1.05	0/3551	1.17	27/4822 (0.6%)
1	6d	1.04	0/3551	1.15	23/4822 (0.5%)
1	7A	0.99	0/3551	1.16	25/4822 (0.5%)
1	7B	0.96	0/3551	1.13	21/4822 (0.4%)
1	7C	0.99	1/3551 (0.0%)	1.17	23/4822 (0.5%)
1	7D	0.99	0/3551	1.13	21/4822 (0.4%)
1	7E	0.98	0/3551	1.16	26/4822 (0.5%)
1	7F	0.99	0/3551	1.16	25/4822 (0.5%)
1	7G	0.97	0/3551	1.13	21/4822 (0.4%)
1	7H	0.99	1/3551 (0.0%)	1.17	23/4822 (0.5%)
1	7I	0.99	0/3551	1.13	21/4822 (0.4%)
1	7J	0.98	0/3551	1.16	26/4822 (0.5%)
1	7K	0.99	0/3551	1.16	27/4822 (0.6%)
1	7L	0.97	0/3551	1.13	21/4822 (0.4%)
1	7M	0.99	1/3551 (0.0%)	1.17	23/4822 (0.5%)
1	7N	0.99	0/3551	1.13	21/4822 (0.4%)
1	7O	0.98	0/3551	1.16	26/4822 (0.5%)
1	7P	0.99	0/3551	1.16	26/4822 (0.5%)
1	7Q	0.97	0/3551	1.13	21/4822 (0.4%)
1	7R	0.99	1/3551 (0.0%)	1.17	23/4822 (0.5%)
1	7S	0.99	1/3551 (0.0%)	1.13	21/4822 (0.4%)
1	7T	0.98	0/3551	1.16	26/4822 (0.5%)
1	7U	0.99	0/3551	1.16	25/4822 (0.5%)
1	7V	0.96	0/3551	1.13	21/4822 (0.4%)
1	7W	0.99	1/3551 (0.0%)	1.17	23/4822 (0.5%)
1	7X	0.99	0/3551	1.13	21/4822 (0.4%)
1	7Y	0.98	0/3551	1.16	26/4822 (0.5%)
1	8A	0.99	0/3551	1.17	34/4822 (0.7%)
1	8B	0.97	0/3551	1.14	19/4822 (0.4%)
1	8C	0.98	0/3551	1.15	24/4822 (0.5%)
1	8D	0.98	0/3551	1.13	25/4822 (0.5%)
1	8E	0.99	0/3551	1.14	23/4822 (0.5%)
1	8F	0.99	0/3551	1.13	26/4822 (0.5%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	8G	0.99	0/3551	1.17	34/4822 (0.7%)
1	8H	0.97	0/3551	1.14	19/4822 (0.4%)
1	8I	0.98	0/3551	1.14	23/4822 (0.5%)
1	8J	0.98	0/3551	1.13	26/4822 (0.5%)
1	8K	0.99	0/3551	1.14	23/4822 (0.5%)
1	8L	0.99	0/3551	1.13	26/4822 (0.5%)
1	8M	0.99	0/3551	1.17	34/4822 (0.7%)
1	8N	0.97	0/3551	1.14	19/4822 (0.4%)
1	8O	0.98	0/3551	1.15	24/4822 (0.5%)
1	8P	0.98	0/3551	1.13	26/4822 (0.5%)
1	8Q	0.99	0/3551	1.14	23/4822 (0.5%)
1	8R	0.99	0/3551	1.13	26/4822 (0.5%)
1	8S	0.99	0/3551	1.17	34/4822 (0.7%)
1	8T	0.97	0/3551	1.14	19/4822 (0.4%)
1	8U	0.98	0/3551	1.15	24/4822 (0.5%)
1	8V	0.98	0/3551	1.13	26/4822 (0.5%)
1	8W	0.99	0/3551	1.14	23/4822 (0.5%)
1	8X	0.99	0/3551	1.13	26/4822 (0.5%)
1	8Y	0.99	0/3551	1.17	34/4822 (0.7%)
1	8Z	0.97	0/3551	1.14	19/4822 (0.4%)
1	8a	0.98	0/3551	1.15	24/4822 (0.5%)
1	8b	0.98	0/3551	1.13	25/4822 (0.5%)
1	8c	0.99	0/3551	1.14	23/4822 (0.5%)
1	8d	0.99	0/3551	1.13	26/4822 (0.5%)
1	9A	0.97	1/3551 (0.0%)	1.14	17/4822 (0.4%)
1	9B	0.97	1/3551 (0.0%)	1.14	17/4822 (0.4%)
1	9C	0.97	1/3551 (0.0%)	1.14	17/4822 (0.4%)
1	9D	0.97	1/3551 (0.0%)	1.14	17/4822 (0.4%)
1	9E	0.97	1/3551 (0.0%)	1.14	17/4822 (0.4%)
2	1e	0.80	0/2150	0.94	7/2925 (0.2%)
2	1f	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1g	0.80	0/2150	0.94	7/2925 (0.2%)
2	1h	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1i	0.80	0/2150	0.94	7/2925 (0.2%)
2	1j	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1k	0.80	0/2150	0.94	7/2925 (0.2%)
2	1l	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1m	0.80	0/2150	0.94	7/2925 (0.2%)
2	1n	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1o	0.80	0/2150	0.94	7/2925 (0.2%)
2	1p	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1q	0.80	0/2150	0.94	7/2925 (0.2%)
2	1r	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	1s	0.80	0/2150	0.94	7/2925 (0.2%)
2	1t	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1u	0.80	0/2150	0.94	7/2925 (0.2%)
2	1v	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	1w	0.80	0/2150	0.94	7/2925 (0.2%)
2	1x	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	2Z	0.81	0/2150	0.96	7/2925 (0.2%)
2	2a	0.81	0/2150	0.96	7/2925 (0.2%)
2	2b	0.81	0/2150	0.96	7/2925 (0.2%)
2	2c	0.81	0/2150	0.96	7/2925 (0.2%)
2	2d	0.81	0/2150	0.96	7/2925 (0.2%)
2	2e	0.81	0/2150	0.96	7/2925 (0.2%)
2	2f	0.81	0/2150	0.96	7/2925 (0.2%)
2	2g	0.81	0/2150	0.96	7/2925 (0.2%)
2	2h	0.81	0/2150	0.96	9/2925 (0.3%)
2	2i	0.81	0/2150	0.96	9/2925 (0.3%)
2	2j	0.81	0/2150	0.96	7/2925 (0.2%)
2	2k	0.81	0/2150	0.96	7/2925 (0.2%)
2	2l	0.81	0/2150	0.96	7/2925 (0.2%)
2	2m	0.81	0/2150	0.96	9/2925 (0.3%)
2	2n	0.81	0/2150	0.96	7/2925 (0.2%)
2	2o	0.81	0/2150	0.96	7/2925 (0.2%)
2	2p	0.81	0/2150	0.96	7/2925 (0.2%)
2	2q	0.81	0/2150	0.96	9/2925 (0.3%)
2	2r	0.81	0/2150	0.96	7/2925 (0.2%)
2	2s	0.81	0/2150	0.96	7/2925 (0.2%)
2	2t	0.81	0/2150	0.96	7/2925 (0.2%)
2	2u	0.81	0/2150	0.96	7/2925 (0.2%)
2	2v	0.81	0/2150	0.96	7/2925 (0.2%)
2	2w	0.81	0/2150	0.96	9/2925 (0.3%)
2	2x	0.81	0/2150	0.96	9/2925 (0.3%)
2	3e	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3f	0.80	0/2150	0.94	7/2925 (0.2%)
2	3g	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3h	0.80	0/2150	0.94	7/2925 (0.2%)
2	3i	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3j	0.80	0/2150	0.94	7/2925 (0.2%)
2	3k	0.84	1/2142 (0.0%)	0.99	12/2915 (0.4%)
2	3l	0.80	0/2150	0.94	7/2925 (0.2%)
2	3m	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3n	0.80	0/2150	0.94	7/2925 (0.2%)
2	3o	0.84	1/2142 (0.0%)	0.99	12/2915 (0.4%)
2	3p	0.80	0/2150	0.94	7/2925 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	3q	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3r	0.80	0/2150	0.94	7/2925 (0.2%)
2	3s	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3t	0.80	0/2150	0.94	7/2925 (0.2%)
2	3u	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	3v	0.80	0/2150	0.94	7/2925 (0.2%)
2	3w	0.84	1/2142 (0.0%)	0.99	12/2915 (0.4%)
2	3x	0.80	0/2150	0.94	7/2925 (0.2%)
2	4e	0.80	0/2150	0.94	7/2925 (0.2%)
2	4f	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	4g	0.80	0/2150	0.94	7/2925 (0.2%)
2	4h	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	4i	0.80	0/2150	0.94	7/2925 (0.2%)
2	4j	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	4k	0.80	0/2150	0.94	7/2925 (0.2%)
2	4l	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	4m	0.80	0/2150	0.94	7/2925 (0.2%)
2	4n	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	5e	0.80	0/2150	0.94	7/2925 (0.2%)
2	5f	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	5g	0.80	0/2150	0.94	7/2925 (0.2%)
2	5h	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	5i	0.80	0/2150	0.94	7/2925 (0.2%)
2	5j	0.84	1/2142 (0.0%)	0.99	12/2915 (0.4%)
2	5k	0.80	0/2150	0.94	7/2925 (0.2%)
2	5l	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	5m	0.80	0/2150	0.94	7/2925 (0.2%)
2	5n	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6e	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6f	0.80	0/2150	0.94	7/2925 (0.2%)
2	6g	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6h	0.80	0/2150	0.94	7/2925 (0.2%)
2	6i	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6j	0.80	0/2150	0.94	7/2925 (0.2%)
2	6k	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6l	0.80	0/2150	0.94	7/2925 (0.2%)
2	6m	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6n	0.80	0/2150	0.94	7/2925 (0.2%)
2	6o	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6p	0.80	0/2150	0.94	7/2925 (0.2%)
2	6q	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6r	0.80	0/2150	0.94	7/2925 (0.2%)
2	6s	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	6t	0.80	0/2150	0.94	7/2925 (0.2%)
2	6u	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6v	0.80	0/2150	0.94	7/2925 (0.2%)
2	6w	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	6x	0.80	0/2150	0.94	7/2925 (0.2%)
2	7Z	0.81	0/2150	0.96	7/2925 (0.2%)
2	7a	0.81	0/2150	0.96	7/2925 (0.2%)
2	7b	0.81	0/2150	0.96	7/2925 (0.2%)
2	7c	0.81	0/2150	0.96	7/2925 (0.2%)
2	7d	0.81	0/2150	0.96	7/2925 (0.2%)
2	7e	0.81	0/2150	0.96	7/2925 (0.2%)
2	7f	0.81	0/2150	0.96	7/2925 (0.2%)
2	7g	0.81	0/2150	0.96	9/2925 (0.3%)
2	7h	0.81	0/2150	0.96	7/2925 (0.2%)
2	7i	0.81	0/2150	0.96	7/2925 (0.2%)
2	7j	0.81	0/2150	0.96	7/2925 (0.2%)
2	7k	0.81	0/2150	0.96	7/2925 (0.2%)
2	7l	0.81	0/2150	0.96	7/2925 (0.2%)
2	7m	0.81	0/2150	0.96	7/2925 (0.2%)
2	7n	0.81	0/2150	0.96	7/2925 (0.2%)
2	7o	0.81	0/2150	0.96	7/2925 (0.2%)
2	7p	0.81	0/2150	0.96	7/2925 (0.2%)
2	7q	0.81	0/2150	0.96	7/2925 (0.2%)
2	7r	0.81	0/2150	0.96	7/2925 (0.2%)
2	7s	0.81	0/2150	0.96	9/2925 (0.3%)
2	7t	0.81	0/2150	0.96	7/2925 (0.2%)
2	7u	0.81	0/2150	0.96	7/2925 (0.2%)
2	7v	0.81	0/2150	0.96	9/2925 (0.3%)
2	7w	0.81	0/2150	0.96	7/2925 (0.2%)
2	7x	0.81	0/2150	0.96	7/2925 (0.2%)
2	8e	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8f	0.80	0/2150	0.94	7/2925 (0.2%)
2	8g	0.80	0/2150	0.94	7/2925 (0.2%)
2	8h	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8i	0.80	0/2150	0.94	7/2925 (0.2%)
2	8j	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8k	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8l	0.80	0/2150	0.94	7/2925 (0.2%)
2	8m	0.80	0/2150	0.94	7/2925 (0.2%)
2	8n	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8o	0.80	0/2150	0.94	7/2925 (0.2%)
2	8p	0.83	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8q	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	8r	0.80	0/2150	0.94	7/2925 (0.2%)
2	8s	0.80	0/2150	0.94	7/2925 (0.2%)
2	8t	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8u	0.80	0/2150	0.94	7/2925 (0.2%)
2	8v	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8w	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	8x	0.80	0/2150	0.94	7/2925 (0.2%)
2	8y	0.80	0/2150	0.94	7/2925 (0.2%)
2	8z	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	9F	0.81	0/2150	0.96	7/2925 (0.2%)
2	9G	0.81	0/2150	0.96	7/2925 (0.2%)
2	9H	0.81	0/2150	0.96	7/2925 (0.2%)
2	9I	0.81	0/2150	0.96	7/2925 (0.2%)
2	9J	0.81	0/2150	0.96	7/2925 (0.2%)
2	9K	0.80	0/2150	0.94	7/2925 (0.2%)
2	9L	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	9M	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	9N	0.80	0/2150	0.94	7/2925 (0.2%)
2	9O	0.80	0/2150	0.94	7/2925 (0.2%)
2	9P	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
2	9Q	0.80	0/2150	0.94	7/2925 (0.2%)
2	9R	0.84	1/2142 (0.0%)	1.00	12/2915 (0.4%)
All	All	0.98	77/1183830 (0.0%)	1.10	6537/1608450 (0.4%)

All (77) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6i	111	VAL	C-N	-10.36	1.21	1.33
2	1j	111	VAL	C-N	-10.35	1.21	1.33
2	6u	111	VAL	C-N	-10.33	1.21	1.33
2	1f	111	VAL	C-N	-10.33	1.21	1.33
2	6m	111	VAL	C-N	-10.33	1.21	1.33
2	9R	111	VAL	C-N	-10.33	1.21	1.33
2	1n	111	VAL	C-N	-10.32	1.21	1.33
2	6q	111	VAL	C-N	-10.32	1.21	1.33
2	4n	111	VAL	C-N	-10.32	1.21	1.33
2	5l	111	VAL	C-N	-10.31	1.21	1.33
2	4f	111	VAL	C-N	-10.31	1.21	1.33
2	6e	111	VAL	C-N	-10.31	1.21	1.33
2	1r	111	VAL	C-N	-10.31	1.21	1.33
2	8h	111	VAL	C-N	-10.31	1.21	1.33
2	9L	111	VAL	C-N	-10.31	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	8k	111	VAL	C-N	-10.31	1.21	1.33
2	8n	111	VAL	C-N	-10.30	1.21	1.33
2	4l	111	VAL	C-N	-10.30	1.21	1.33
2	8z	111	VAL	C-N	-10.30	1.21	1.33
2	9P	111	VAL	C-N	-10.30	1.21	1.33
2	1v	111	VAL	C-N	-10.30	1.21	1.33
2	8j	111	VAL	C-N	-10.30	1.21	1.33
2	8q	111	VAL	C-N	-10.30	1.21	1.33
2	8v	111	VAL	C-N	-10.29	1.21	1.33
2	8p	111	VAL	C-N	-10.28	1.21	1.33
2	8t	111	VAL	C-N	-10.28	1.21	1.33
2	8e	111	VAL	C-N	-10.27	1.21	1.33
2	3i	111	VAL	C-N	-10.26	1.21	1.33
2	3o	111	VAL	C-N	-10.26	1.21	1.33
2	5j	111	VAL	C-N	-10.26	1.21	1.33
2	5h	111	VAL	C-N	-10.26	1.21	1.33
2	4j	111	VAL	C-N	-10.26	1.21	1.33
2	9M	111	VAL	C-N	-10.26	1.21	1.33
2	5f	111	VAL	C-N	-10.26	1.21	1.33
2	4h	111	VAL	C-N	-10.26	1.21	1.33
2	3w	111	VAL	C-N	-10.26	1.21	1.33
2	8w	111	VAL	C-N	-10.26	1.21	1.33
2	5n	111	VAL	C-N	-10.26	1.21	1.33
2	3e	111	VAL	C-N	-10.25	1.21	1.33
2	3g	111	VAL	C-N	-10.25	1.21	1.33
2	3q	111	VAL	C-N	-10.24	1.21	1.33
2	3s	111	VAL	C-N	-10.24	1.21	1.33
2	3m	111	VAL	C-N	-10.24	1.21	1.33
2	1x	111	VAL	C-N	-10.23	1.21	1.33
2	3k	111	VAL	C-N	-10.23	1.21	1.33
2	1l	111	VAL	C-N	-10.22	1.21	1.33
2	1p	111	VAL	C-N	-10.21	1.21	1.33
2	1h	111	VAL	C-N	-10.21	1.21	1.33
2	3u	111	VAL	C-N	-10.20	1.21	1.33
2	6g	111	VAL	C-N	-10.18	1.21	1.33
2	1t	111	VAL	C-N	-10.18	1.21	1.33
2	6k	111	VAL	C-N	-10.17	1.21	1.33
2	6o	111	VAL	C-N	-10.16	1.21	1.33
2	6s	111	VAL	C-N	-10.16	1.21	1.33
2	6w	111	VAL	C-N	-10.13	1.21	1.33
1	9C	317	GLY	CA-C	-5.44	1.47	1.52
1	9E	317	GLY	CA-C	-5.41	1.47	1.52

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	9A	317	GLY	CA-C	-5.40	1.47	1.52
1	9D	317	GLY	CA-C	-5.38	1.47	1.52
1	9B	317	GLY	CA-C	-5.32	1.47	1.52
1	5Q	333	SER	CA-C	-5.25	1.46	1.52
1	5W	333	SER	CA-C	-5.25	1.46	1.52
1	5c	333	SER	CA-C	-5.24	1.46	1.52
1	5E	333	SER	CA-C	-5.23	1.46	1.52
1	5K	333	SER	CA-C	-5.18	1.46	1.52
1	7M	356	PRO	CA-C	-5.12	1.47	1.52
1	7C	356	PRO	CA-C	-5.08	1.47	1.52
1	4X	95	ARG	CA-C	-5.07	1.47	1.52
1	4L	95	ARG	CA-C	-5.06	1.47	1.52
1	7H	356	PRO	CA-C	-5.06	1.47	1.52
1	7W	356	PRO	CA-C	-5.06	1.47	1.52
1	4R	95	ARG	CA-C	-5.05	1.47	1.52
1	7R	356	PRO	CA-C	-5.04	1.47	1.52
1	1Y	91	ILE	CA-CB	-5.04	1.49	1.54
1	4F	95	ARG	CA-C	-5.03	1.47	1.52
1	7S	325	HIS	CA-C	-5.01	1.46	1.52
1	1S	91	ILE	CA-CB	-5.01	1.50	1.54

All (6537) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2T	355	SER	N-CA-C	10.60	127.17	112.75
1	2E	355	SER	N-CA-C	10.58	127.13	112.75
1	2J	355	SER	N-CA-C	10.57	127.13	112.75
1	2Y	355	SER	N-CA-C	10.57	127.13	112.75
1	1Z	275	PHE	CA-CB-CG	-10.43	103.37	113.80
1	1B	275	PHE	CA-CB-CG	-10.42	103.38	113.80
1	1H	275	PHE	CA-CB-CG	-10.41	103.39	113.80
1	1N	275	PHE	CA-CB-CG	-10.41	103.39	113.80
1	1T	275	PHE	CA-CB-CG	-10.41	103.39	113.80
1	3M	202	GLU	CA-C-N	10.08	132.44	119.84
1	3M	202	GLU	C-N-CA	10.08	132.44	119.84
1	3Y	202	GLU	CA-C-N	10.07	132.43	119.84
1	3Y	202	GLU	C-N-CA	10.07	132.43	119.84
1	3S	202	GLU	CA-C-N	10.07	132.42	119.84
1	3S	202	GLU	C-N-CA	10.07	132.42	119.84
1	3A	202	GLU	CA-C-N	10.06	132.42	119.84
1	3A	202	GLU	C-N-CA	10.06	132.42	119.84
1	3G	202	GLU	CA-C-N	10.05	132.41	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3G	202	GLU	C-N-CA	10.05	132.41	119.84
1	2O	355	SER	N-CA-C	9.86	127.16	113.16
1	1X	314	ASN	CA-C-N	9.58	129.21	119.82
1	1X	314	ASN	C-N-CA	9.58	129.21	119.82
1	1F	314	ASN	CA-C-N	9.56	129.19	119.82
1	1F	314	ASN	C-N-CA	9.56	129.19	119.82
1	1L	314	ASN	CA-C-N	9.56	129.19	119.82
1	1L	314	ASN	C-N-CA	9.56	129.19	119.82
1	1R	314	ASN	CA-C-N	9.55	129.18	119.82
1	1R	314	ASN	C-N-CA	9.55	129.18	119.82
1	1d	314	ASN	CA-C-N	9.51	129.14	119.82
1	1d	314	ASN	C-N-CA	9.51	129.14	119.82
1	2L	91	ILE	CA-C-N	9.49	129.11	119.24
1	2L	91	ILE	C-N-CA	9.49	129.11	119.24
1	2B	91	ILE	CA-C-N	9.49	129.11	119.24
1	2B	91	ILE	C-N-CA	9.49	129.11	119.24
1	2V	91	ILE	CA-C-N	9.49	129.11	119.24
1	2V	91	ILE	C-N-CA	9.49	129.11	119.24
1	2Q	91	ILE	CA-C-N	9.49	129.11	119.24
1	2Q	91	ILE	C-N-CA	9.49	129.11	119.24
1	2G	91	ILE	CA-C-N	9.48	129.10	119.24
1	2G	91	ILE	C-N-CA	9.48	129.10	119.24
1	1Z	91	ILE	CA-C-N	9.47	129.09	119.24
1	1Z	91	ILE	C-N-CA	9.47	129.09	119.24
1	1H	91	ILE	CA-C-N	9.45	129.07	119.24
1	1H	91	ILE	C-N-CA	9.45	129.07	119.24
1	7M	314	ASN	CA-C-N	9.44	129.09	119.56
1	7M	314	ASN	C-N-CA	9.44	129.09	119.56
1	1B	91	ILE	CA-C-N	9.44	129.05	119.24
1	1B	91	ILE	C-N-CA	9.44	129.05	119.24
1	1N	91	ILE	CA-C-N	9.42	129.04	119.24
1	1N	91	ILE	C-N-CA	9.42	129.04	119.24
1	1T	91	ILE	CA-C-N	9.42	129.03	119.24
1	1T	91	ILE	C-N-CA	9.42	129.03	119.24
1	4I	314	ASN	CA-C-N	9.41	130.39	119.47
1	4I	314	ASN	C-N-CA	9.41	130.39	119.47
1	7H	314	ASN	CA-C-N	9.41	129.07	119.56
1	7H	314	ASN	C-N-CA	9.41	129.07	119.56
1	4U	314	ASN	CA-C-N	9.41	130.39	119.47
1	4U	314	ASN	C-N-CA	9.41	130.39	119.47
1	7W	314	ASN	CA-C-N	9.41	129.06	119.56
1	7W	314	ASN	C-N-CA	9.41	129.06	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7C	314	ASN	CA-C-N	9.41	129.06	119.56
1	7C	314	ASN	C-N-CA	9.41	129.06	119.56
1	4O	314	ASN	CA-C-N	9.40	130.38	119.47
1	4O	314	ASN	C-N-CA	9.40	130.38	119.47
1	4C	314	ASN	CA-C-N	9.39	130.36	119.47
1	4C	314	ASN	C-N-CA	9.39	130.36	119.47
1	8M	402	LEU	N-CA-C	9.38	121.50	111.28
1	1T	124	MET	CA-C-N	9.38	129.44	119.78
1	1T	124	MET	C-N-CA	9.38	129.44	119.78
1	1N	124	MET	CA-C-N	9.38	129.44	119.78
1	1N	124	MET	C-N-CA	9.38	129.44	119.78
1	4a	314	ASN	CA-C-N	9.38	130.35	119.47
1	4a	314	ASN	C-N-CA	9.38	130.35	119.47
1	7R	314	ASN	CA-C-N	9.37	129.02	119.56
1	7R	314	ASN	C-N-CA	9.37	129.02	119.56
1	8G	402	LEU	N-CA-C	9.36	121.49	111.28
1	1B	124	MET	CA-C-N	9.35	129.41	119.78
1	1B	124	MET	C-N-CA	9.35	129.41	119.78
1	8A	402	LEU	N-CA-C	9.34	121.46	111.28
1	1H	124	MET	CA-C-N	9.34	129.40	119.78
1	1H	124	MET	C-N-CA	9.34	129.40	119.78
1	8Y	402	LEU	N-CA-C	9.34	121.46	111.28
1	1Z	124	MET	CA-C-N	9.33	129.39	119.78
1	1Z	124	MET	C-N-CA	9.33	129.39	119.78
1	8S	402	LEU	N-CA-C	9.32	121.44	111.28
1	3F	91	ILE	CA-C-N	9.30	128.91	119.24
1	3F	91	ILE	C-N-CA	9.30	128.91	119.24
1	3d	91	ILE	CA-C-N	9.29	128.91	119.24
1	3d	91	ILE	C-N-CA	9.29	128.91	119.24
1	3L	91	ILE	CA-C-N	9.29	128.90	119.24
1	3L	91	ILE	C-N-CA	9.29	128.90	119.24
1	6G	202	GLU	CA-C-N	9.29	129.36	119.05
1	6G	202	GLU	C-N-CA	9.29	129.36	119.05
1	3R	91	ILE	CA-C-N	9.29	128.90	119.24
1	3R	91	ILE	C-N-CA	9.29	128.90	119.24
1	3X	91	ILE	CA-C-N	9.26	128.87	119.24
1	3X	91	ILE	C-N-CA	9.26	128.87	119.24
1	7R	202	GLU	N-CA-C	-9.26	98.95	109.60
1	6A	202	GLU	CA-C-N	9.26	129.33	119.05
1	6A	202	GLU	C-N-CA	9.26	129.33	119.05
1	6M	202	GLU	CA-C-N	9.25	129.32	119.05
1	6M	202	GLU	C-N-CA	9.25	129.32	119.05

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6Y	202	GLU	CA-C-N	9.25	129.32	119.05
1	6Y	202	GLU	C-N-CA	9.25	129.32	119.05
1	6S	202	GLU	CA-C-N	9.24	129.31	119.05
1	6S	202	GLU	C-N-CA	9.24	129.31	119.05
1	4X	91	ILE	CA-C-N	9.22	128.83	119.24
1	4X	91	ILE	C-N-CA	9.22	128.83	119.24
1	4L	91	ILE	CA-C-N	9.22	128.83	119.24
1	4L	91	ILE	C-N-CA	9.22	128.83	119.24
1	7C	202	GLU	N-CA-C	-9.22	99.00	109.60
1	7H	202	GLU	N-CA-C	-9.22	99.00	109.60
1	1Y	91	ILE	CA-C-N	9.21	129.28	119.05
1	1Y	91	ILE	C-N-CA	9.21	129.28	119.05
1	3B	91	ILE	CA-C-N	9.21	128.82	119.24
1	3B	91	ILE	C-N-CA	9.21	128.82	119.24
1	3H	91	ILE	CA-C-N	9.21	128.82	119.24
1	3H	91	ILE	C-N-CA	9.21	128.82	119.24
1	4R	91	ILE	CA-C-N	9.21	128.82	119.24
1	4R	91	ILE	C-N-CA	9.21	128.82	119.24
1	4d	91	ILE	CA-C-N	9.21	128.82	119.24
1	4d	91	ILE	C-N-CA	9.21	128.82	119.24
1	5J	314	ASN	CA-C-N	9.20	129.40	119.28
1	5J	314	ASN	C-N-CA	9.20	129.40	119.28
1	1G	91	ILE	CA-C-N	9.20	129.26	119.05
1	1G	91	ILE	C-N-CA	9.20	129.26	119.05
1	7M	202	GLU	N-CA-C	-9.20	99.02	109.60
1	3Z	91	ILE	CA-C-N	9.20	128.80	119.24
1	3Z	91	ILE	C-N-CA	9.20	128.80	119.24
1	7W	202	GLU	N-CA-C	-9.20	99.03	109.60
1	4F	91	ILE	CA-C-N	9.19	128.80	119.24
1	4F	91	ILE	C-N-CA	9.19	128.80	119.24
1	1S	91	ILE	CA-C-N	9.19	129.25	119.05
1	1S	91	ILE	C-N-CA	9.19	129.25	119.05
1	1A	91	ILE	CA-C-N	9.19	129.25	119.05
1	1A	91	ILE	C-N-CA	9.19	129.25	119.05
1	3N	91	ILE	CA-C-N	9.19	128.79	119.24
1	3N	91	ILE	C-N-CA	9.19	128.79	119.24
1	1M	91	ILE	CA-C-N	9.18	129.24	119.05
1	1M	91	ILE	C-N-CA	9.18	129.24	119.05
1	8d	314	ASN	CA-C-N	9.18	129.79	119.32
1	8d	314	ASN	C-N-CA	9.18	129.79	119.32
1	5D	314	ASN	CA-C-N	9.18	129.38	119.28
1	5D	314	ASN	C-N-CA	9.18	129.38	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3T	91	ILE	CA-C-N	9.18	128.78	119.24
1	3T	91	ILE	C-N-CA	9.18	128.78	119.24
1	5V	314	ASN	CA-C-N	9.17	129.37	119.28
1	5V	314	ASN	C-N-CA	9.17	129.37	119.28
1	8X	314	ASN	CA-C-N	9.17	129.78	119.32
1	8X	314	ASN	C-N-CA	9.17	129.78	119.32
1	5b	314	ASN	CA-C-N	9.15	129.35	119.28
1	5b	314	ASN	C-N-CA	9.15	129.35	119.28
1	8F	314	ASN	CA-C-N	9.15	129.75	119.32
1	8F	314	ASN	C-N-CA	9.15	129.75	119.32
1	5P	314	ASN	CA-C-N	9.15	129.34	119.28
1	5P	314	ASN	C-N-CA	9.15	129.34	119.28
1	8U	91	ILE	CA-C-N	9.13	129.18	119.05
1	8U	91	ILE	C-N-CA	9.13	129.18	119.05
1	8a	91	ILE	CA-C-N	9.12	129.18	119.05
1	8a	91	ILE	C-N-CA	9.12	129.18	119.05
1	8L	314	ASN	CA-C-N	9.11	129.71	119.32
1	8L	314	ASN	C-N-CA	9.11	129.71	119.32
1	8R	314	ASN	CA-C-N	9.11	129.70	119.32
1	8R	314	ASN	C-N-CA	9.11	129.70	119.32
2	3s	38	ILE	CA-C-N	9.10	129.04	120.03
2	3s	38	ILE	C-N-CA	9.10	129.04	120.03
1	7W	438	ARG	CA-C-N	9.10	131.22	119.84
1	7W	438	ARG	C-N-CA	9.10	131.22	119.84
1	8I	91	ILE	CA-C-N	9.10	129.15	119.05
1	8I	91	ILE	C-N-CA	9.10	129.15	119.05
2	7k	38	ILE	CA-C-N	9.09	129.03	120.03
2	7k	38	ILE	C-N-CA	9.09	129.03	120.03
1	8O	91	ILE	CA-C-N	9.09	129.14	119.05
1	8O	91	ILE	C-N-CA	9.09	129.14	119.05
1	8C	91	ILE	CA-C-N	9.09	129.13	119.05
1	8C	91	ILE	C-N-CA	9.09	129.13	119.05
2	7u	38	ILE	CA-C-N	9.09	129.03	120.03
2	7u	38	ILE	C-N-CA	9.09	129.03	120.03
2	7g	38	ILE	CA-C-N	9.08	129.02	120.03
2	7g	38	ILE	C-N-CA	9.08	129.02	120.03
1	7R	438	ARG	CA-C-N	9.08	131.19	119.84
1	7R	438	ARG	C-N-CA	9.08	131.19	119.84
2	8n	38	ILE	CA-C-N	9.08	129.02	120.03
2	8n	38	ILE	C-N-CA	9.08	129.02	120.03
2	2w	38	ILE	CA-C-N	9.08	129.02	120.03
2	2w	38	ILE	C-N-CA	9.08	129.02	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	2g	38	ILE	CA-C-N	9.07	129.01	120.03
2	2g	38	ILE	C-N-CA	9.07	129.01	120.03
1	7M	438	ARG	CA-C-N	9.07	131.18	119.84
1	7M	438	ARG	C-N-CA	9.07	131.18	119.84
2	7a	38	ILE	CA-C-N	9.07	129.01	120.03
2	7a	38	ILE	C-N-CA	9.07	129.01	120.03
2	3k	38	ILE	CA-C-N	9.07	129.01	120.03
2	3k	38	ILE	C-N-CA	9.07	129.01	120.03
2	6k	38	ILE	CA-C-N	9.07	129.01	120.03
2	6k	38	ILE	C-N-CA	9.07	129.01	120.03
2	2l	38	ILE	CA-C-N	9.07	129.01	120.03
2	2l	38	ILE	C-N-CA	9.07	129.01	120.03
2	7q	38	ILE	CA-C-N	9.07	129.00	120.03
2	7q	38	ILE	C-N-CA	9.07	129.00	120.03
2	3u	38	ILE	CA-C-N	9.07	129.01	120.03
2	3u	38	ILE	C-N-CA	9.07	129.01	120.03
2	3w	38	ILE	CA-C-N	9.07	129.01	120.03
2	3w	38	ILE	C-N-CA	9.07	129.01	120.03
2	6g	38	ILE	CA-C-N	9.06	129.00	120.03
2	6g	38	ILE	C-N-CA	9.06	129.00	120.03
1	6M	91	ILE	CA-C-N	9.06	129.11	119.05
1	6M	91	ILE	C-N-CA	9.06	129.11	119.05
2	3e	38	ILE	CA-C-N	9.06	129.00	120.03
2	3e	38	ILE	C-N-CA	9.06	129.00	120.03
2	7j	38	ILE	CA-C-N	9.06	129.00	120.03
2	7j	38	ILE	C-N-CA	9.06	129.00	120.03
2	6s	38	ILE	CA-C-N	9.06	129.00	120.03
2	6s	38	ILE	C-N-CA	9.06	129.00	120.03
1	7C	438	ARG	CA-C-N	9.06	131.16	119.84
1	7C	438	ARG	C-N-CA	9.06	131.16	119.84
1	7H	438	ARG	CA-C-N	9.06	131.16	119.84
1	7H	438	ARG	C-N-CA	9.06	131.16	119.84
2	3q	38	ILE	CA-C-N	9.06	129.00	120.03
2	3q	38	ILE	C-N-CA	9.06	129.00	120.03
2	6w	38	ILE	CA-C-N	9.06	129.00	120.03
2	6w	38	ILE	C-N-CA	9.06	129.00	120.03
2	3g	38	ILE	CA-C-N	9.06	129.00	120.03
2	3g	38	ILE	C-N-CA	9.06	129.00	120.03
1	6G	91	ILE	CA-C-N	9.05	129.10	119.05
1	6G	91	ILE	C-N-CA	9.05	129.10	119.05
2	2c	38	ILE	CA-C-N	9.05	128.99	120.03
2	2c	38	ILE	C-N-CA	9.05	128.99	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	6o	38	ILE	CA-C-N	9.05	128.99	120.03
2	6o	38	ILE	C-N-CA	9.05	128.99	120.03
2	7x	38	ILE	CA-C-N	9.05	128.99	120.03
2	7x	38	ILE	C-N-CA	9.05	128.99	120.03
2	7Z	38	ILE	CA-C-N	9.05	128.99	120.03
2	7Z	38	ILE	C-N-CA	9.05	128.99	120.03
2	2h	38	ILE	CA-C-N	9.05	128.99	120.03
2	2h	38	ILE	C-N-CA	9.05	128.99	120.03
1	8K	406	GLY	N-CA-C	-9.05	101.28	112.68
2	2d	38	ILE	CA-C-N	9.04	128.99	120.03
2	2d	38	ILE	C-N-CA	9.04	128.99	120.03
2	3i	38	ILE	CA-C-N	9.04	128.98	120.03
2	3i	38	ILE	C-N-CA	9.04	128.98	120.03
2	3m	38	ILE	CA-C-N	9.04	128.99	120.03
2	3m	38	ILE	C-N-CA	9.04	128.99	120.03
2	2s	38	ILE	CA-C-N	9.05	128.99	120.03
2	2s	38	ILE	C-N-CA	9.05	128.99	120.03
2	2x	38	ILE	CA-C-N	9.05	128.99	120.03
2	2x	38	ILE	C-N-CA	9.05	128.99	120.03
2	6u	38	ILE	CA-C-N	9.05	128.99	120.03
2	6u	38	ILE	C-N-CA	9.05	128.99	120.03
2	6q	38	ILE	CA-C-N	9.04	128.98	120.03
2	6q	38	ILE	C-N-CA	9.04	128.98	120.03
2	7f	38	ILE	CA-C-N	9.04	128.98	120.03
2	7f	38	ILE	C-N-CA	9.04	128.98	120.03
2	2b	38	ILE	CA-C-N	9.04	128.98	120.03
2	2b	38	ILE	C-N-CA	9.04	128.98	120.03
2	2m	38	ILE	CA-C-N	9.04	128.98	120.03
2	2m	38	ILE	C-N-CA	9.04	128.98	120.03
2	7o	38	ILE	CA-C-N	9.04	128.98	120.03
2	7o	38	ILE	C-N-CA	9.04	128.98	120.03
2	7e	38	ILE	CA-C-N	9.04	128.97	120.03
2	7e	38	ILE	C-N-CA	9.04	128.97	120.03
2	7p	38	ILE	CA-C-N	9.04	128.98	120.03
2	7p	38	ILE	C-N-CA	9.04	128.98	120.03
2	2v	38	ILE	CA-C-N	9.03	128.97	120.03
2	2v	38	ILE	C-N-CA	9.03	128.97	120.03
2	7b	38	ILE	CA-C-N	9.03	128.97	120.03
2	7b	38	ILE	C-N-CA	9.03	128.97	120.03
2	5h	38	ILE	CA-C-N	9.03	128.97	120.03
2	5h	38	ILE	C-N-CA	9.03	128.97	120.03
2	6i	38	ILE	CA-C-N	9.03	128.97	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	6i	38	ILE	C-N-CA	9.03	128.97	120.03
2	7n	38	ILE	CA-C-N	9.03	128.97	120.03
2	7n	38	ILE	C-N-CA	9.03	128.97	120.03
2	2r	38	ILE	CA-C-N	9.03	128.97	120.03
2	2r	38	ILE	C-N-CA	9.03	128.97	120.03
2	7t	38	ILE	CA-C-N	9.03	128.97	120.03
2	7t	38	ILE	C-N-CA	9.03	128.97	120.03
1	8W	406	GLY	N-CA-C	-9.03	101.30	112.68
2	2i	38	ILE	CA-C-N	9.03	128.97	120.03
2	2i	38	ILE	C-N-CA	9.03	128.97	120.03
2	2q	38	ILE	CA-C-N	9.03	128.97	120.03
2	2q	38	ILE	C-N-CA	9.03	128.97	120.03
1	6A	91	ILE	CA-C-N	9.03	129.07	119.05
1	6A	91	ILE	C-N-CA	9.03	129.07	119.05
2	1f	38	ILE	CA-C-N	9.03	128.97	120.03
2	1f	38	ILE	C-N-CA	9.03	128.97	120.03
2	7l	38	ILE	CA-C-N	9.03	128.97	120.03
2	7l	38	ILE	C-N-CA	9.03	128.97	120.03
2	2k	38	ILE	CA-C-N	9.02	128.96	120.03
2	2k	38	ILE	C-N-CA	9.02	128.96	120.03
2	5n	38	ILE	CA-C-N	9.02	128.96	120.03
2	5n	38	ILE	C-N-CA	9.02	128.96	120.03
2	6e	38	ILE	CA-C-N	9.02	128.96	120.03
2	6e	38	ILE	C-N-CA	9.02	128.96	120.03
2	1j	38	ILE	CA-C-N	9.02	128.96	120.03
2	1j	38	ILE	C-N-CA	9.02	128.96	120.03
1	8c	406	GLY	N-CA-C	-9.02	101.31	112.68
2	4j	38	ILE	CA-C-N	9.02	128.96	120.03
2	4j	38	ILE	C-N-CA	9.02	128.96	120.03
2	1r	38	ILE	CA-C-N	9.02	128.96	120.03
2	1r	38	ILE	C-N-CA	9.02	128.96	120.03
2	5l	38	ILE	CA-C-N	9.02	128.96	120.03
2	5l	38	ILE	C-N-CA	9.02	128.96	120.03
1	4K	314	ASN	CA-C-N	9.02	129.93	119.47
1	4K	314	ASN	C-N-CA	9.02	129.93	119.47
2	8z	38	ILE	CA-C-N	9.02	128.96	120.03
1	8E	406	GLY	N-CA-C	-9.02	101.32	112.68
2	8h	38	ILE	CA-C-N	9.02	128.96	120.03
2	8h	38	ILE	C-N-CA	9.02	128.96	120.03
2	8z	38	ILE	C-N-CA	9.02	128.96	120.03
2	1v	38	ILE	CA-C-N	9.02	128.96	120.03
2	1v	38	ILE	C-N-CA	9.02	128.96	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	4n	38	ILE	CA-C-N	9.02	128.96	120.03
2	4n	38	ILE	C-N-CA	9.02	128.96	120.03
1	6S	91	ILE	CA-C-N	9.01	129.06	119.05
1	6S	91	ILE	C-N-CA	9.01	129.06	119.05
2	7d	38	ILE	CA-C-N	9.01	128.95	120.03
2	7d	38	ILE	C-N-CA	9.01	128.95	120.03
2	9P	38	ILE	CA-C-N	9.01	128.95	120.03
2	9P	38	ILE	C-N-CA	9.01	128.95	120.03
1	7A	314	ASN	CA-C-N	9.01	129.19	119.28
1	7A	314	ASN	C-N-CA	9.01	129.19	119.28
1	4c	314	ASN	CA-C-N	9.01	129.92	119.47
1	4c	314	ASN	C-N-CA	9.01	129.92	119.47
1	6Y	91	ILE	CA-C-N	9.01	129.05	119.05
1	6Y	91	ILE	C-N-CA	9.01	129.05	119.05
2	4f	38	ILE	CA-C-N	9.01	128.95	120.03
2	4f	38	ILE	C-N-CA	9.01	128.95	120.03
2	7i	38	ILE	CA-C-N	9.01	128.95	120.03
2	7i	38	ILE	C-N-CA	9.01	128.95	120.03
2	1n	38	ILE	CA-C-N	9.01	128.95	120.03
2	1n	38	ILE	C-N-CA	9.01	128.95	120.03
2	7v	38	ILE	CA-C-N	9.01	128.95	120.03
2	7v	38	ILE	C-N-CA	9.01	128.95	120.03
2	3o	38	ILE	CA-C-N	9.01	128.94	120.03
2	3o	38	ILE	C-N-CA	9.01	128.94	120.03
2	6m	38	ILE	CA-C-N	9.01	128.95	120.03
2	6m	38	ILE	C-N-CA	9.01	128.95	120.03
1	4E	314	ASN	CA-C-N	9.00	129.91	119.47
1	4E	314	ASN	C-N-CA	9.00	129.91	119.47
2	5f	38	ILE	CA-C-N	9.00	128.94	120.03
2	5f	38	ILE	C-N-CA	9.00	128.94	120.03
2	2t	38	ILE	CA-C-N	9.00	128.94	120.03
2	2t	38	ILE	C-N-CA	9.00	128.94	120.03
1	7K	314	ASN	CA-C-N	9.00	129.18	119.28
1	7K	314	ASN	C-N-CA	9.00	129.18	119.28
1	4W	314	ASN	CA-C-N	9.00	129.91	119.47
1	4W	314	ASN	C-N-CA	9.00	129.91	119.47
2	7c	38	ILE	CA-C-N	9.00	128.94	120.03
2	7c	38	ILE	C-N-CA	9.00	128.94	120.03
2	7w	38	ILE	CA-C-N	9.00	128.94	120.03
2	7w	38	ILE	C-N-CA	9.00	128.94	120.03
1	7U	314	ASN	CA-C-N	8.99	129.17	119.28
1	7U	314	ASN	C-N-CA	8.99	129.17	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	2a	38	ILE	CA-C-N	8.99	128.93	120.03
2	2a	38	ILE	C-N-CA	8.99	128.93	120.03
2	8j	38	ILE	CA-C-N	8.99	128.94	120.03
2	8j	38	ILE	C-N-CA	8.99	128.94	120.03
1	7F	314	ASN	CA-C-N	8.99	129.17	119.28
1	7F	314	ASN	C-N-CA	8.99	129.17	119.28
2	8t	38	ILE	CA-C-N	8.99	128.93	120.03
2	8t	38	ILE	C-N-CA	8.99	128.93	120.03
2	2p	38	ILE	CA-C-N	8.99	128.93	120.03
2	2p	38	ILE	C-N-CA	8.99	128.93	120.03
2	9L	38	ILE	CA-C-N	8.99	128.93	120.03
2	9L	38	ILE	C-N-CA	8.99	128.93	120.03
2	2u	38	ILE	CA-C-N	8.99	128.93	120.03
2	2u	38	ILE	C-N-CA	8.99	128.93	120.03
1	8Q	406	GLY	N-CA-C	-8.99	101.35	112.68
2	5j	38	ILE	CA-C-N	8.99	128.93	120.03
2	5j	38	ILE	C-N-CA	8.99	128.93	120.03
1	7P	314	ASN	CA-C-N	8.99	129.16	119.28
1	7P	314	ASN	C-N-CA	8.99	129.16	119.28
2	1h	38	ILE	CA-C-N	8.99	128.93	120.03
2	1h	38	ILE	C-N-CA	8.99	128.93	120.03
2	2Z	38	ILE	CA-C-N	8.99	128.93	120.03
2	2Z	38	ILE	C-N-CA	8.99	128.93	120.03
2	2e	38	ILE	CA-C-N	8.99	128.93	120.03
2	2e	38	ILE	C-N-CA	8.99	128.93	120.03
2	7h	38	ILE	CA-C-N	8.99	128.93	120.03
2	7h	38	ILE	C-N-CA	8.99	128.93	120.03
2	8v	38	ILE	CA-C-N	8.99	128.93	120.03
2	8v	38	ILE	C-N-CA	8.99	128.93	120.03
2	7s	38	ILE	CA-C-N	8.98	128.92	120.03
2	7s	38	ILE	C-N-CA	8.98	128.92	120.03
2	4h	38	ILE	CA-C-N	8.98	128.92	120.03
2	4h	38	ILE	C-N-CA	8.98	128.92	120.03
2	2n	38	ILE	CA-C-N	8.98	128.92	120.03
2	2n	38	ILE	C-N-CA	8.98	128.92	120.03
2	1t	38	ILE	CA-C-N	8.98	128.92	120.03
2	1t	38	ILE	C-N-CA	8.98	128.92	120.03
1	4Q	314	ASN	CA-C-N	8.98	129.88	119.47
1	4Q	314	ASN	C-N-CA	8.98	129.88	119.47
2	7m	38	ILE	CA-C-N	8.98	128.92	120.03
2	7m	38	ILE	C-N-CA	8.98	128.92	120.03
1	3M	91	ILE	CA-C-N	8.97	129.55	119.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3M	91	ILE	C-N-CA	8.97	129.55	119.32
2	2j	38	ILE	CA-C-N	8.97	128.91	120.03
2	2j	38	ILE	C-N-CA	8.97	128.91	120.03
2	2o	38	ILE	CA-C-N	8.97	128.91	120.03
2	2o	38	ILE	C-N-CA	8.97	128.91	120.03
1	3Y	91	ILE	CA-C-N	8.97	129.54	119.32
1	3Y	91	ILE	C-N-CA	8.97	129.54	119.32
2	2f	38	ILE	CA-C-N	8.96	128.90	120.03
2	2f	38	ILE	C-N-CA	8.96	128.90	120.03
2	8p	38	ILE	CA-C-N	8.96	128.90	120.03
2	8p	38	ILE	C-N-CA	8.96	128.90	120.03
1	5Y	226	LEU	CA-C-N	8.96	129.53	119.32
1	5Y	226	LEU	C-N-CA	8.96	129.53	119.32
1	5S	226	LEU	CA-C-N	8.96	129.53	119.32
1	5S	226	LEU	C-N-CA	8.96	129.53	119.32
2	1p	38	ILE	CA-C-N	8.95	128.89	120.03
2	1p	38	ILE	C-N-CA	8.95	128.89	120.03
2	9R	38	ILE	CA-C-N	8.95	128.89	120.03
2	9R	38	ILE	C-N-CA	8.95	128.89	120.03
1	3S	91	ILE	CA-C-N	8.95	129.52	119.32
1	3S	91	ILE	C-N-CA	8.95	129.52	119.32
2	4l	38	ILE	CA-C-N	8.95	128.89	120.03
2	4l	38	ILE	C-N-CA	8.95	128.89	120.03
1	5A	226	LEU	CA-C-N	8.95	129.52	119.32
1	5A	226	LEU	C-N-CA	8.95	129.52	119.32
2	1l	38	ILE	CA-C-N	8.95	128.89	120.03
2	1l	38	ILE	C-N-CA	8.95	128.89	120.03
2	9G	38	ILE	CA-C-N	8.95	128.89	120.03
2	9G	38	ILE	C-N-CA	8.95	128.89	120.03
2	7r	38	ILE	CA-C-N	8.95	128.89	120.03
2	7r	38	ILE	C-N-CA	8.95	128.89	120.03
2	1x	38	ILE	CA-C-N	8.94	128.88	120.03
2	1x	38	ILE	C-N-CA	8.94	128.88	120.03
1	3A	91	ILE	CA-C-N	8.94	129.51	119.32
1	3A	91	ILE	C-N-CA	8.94	129.51	119.32
1	5M	226	LEU	CA-C-N	8.94	129.51	119.32
1	5M	226	LEU	C-N-CA	8.94	129.51	119.32
2	9H	38	ILE	CA-C-N	8.94	128.88	120.03
2	9H	38	ILE	C-N-CA	8.94	128.88	120.03
2	9F	38	ILE	CA-C-N	8.94	128.88	120.03
2	9F	38	ILE	C-N-CA	8.94	128.88	120.03
2	8k	38	ILE	CA-C-N	8.94	128.88	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8k	38	ILE	C-N-CA	8.94	128.88	120.03
2	9M	38	ILE	CA-C-N	8.93	128.87	120.03
2	9M	38	ILE	C-N-CA	8.93	128.87	120.03
2	9I	38	ILE	CA-C-N	8.93	128.87	120.03
2	9I	38	ILE	C-N-CA	8.93	128.87	120.03
1	3G	91	ILE	CA-C-N	8.93	129.50	119.32
1	3G	91	ILE	C-N-CA	8.93	129.50	119.32
2	8e	38	ILE	CA-C-N	8.93	128.87	120.03
2	8e	38	ILE	C-N-CA	8.93	128.87	120.03
2	8q	38	ILE	CA-C-N	8.92	128.86	120.03
2	8q	38	ILE	C-N-CA	8.92	128.86	120.03
1	5G	226	LEU	CA-C-N	8.91	129.48	119.32
1	5G	226	LEU	C-N-CA	8.91	129.48	119.32
2	9J	38	ILE	CA-C-N	8.91	128.85	120.03
2	9J	38	ILE	C-N-CA	8.91	128.85	120.03
1	4J	226	LEU	CA-C-N	8.91	129.48	119.32
1	4J	226	LEU	C-N-CA	8.91	129.48	119.32
1	4b	226	LEU	CA-C-N	8.91	129.48	119.32
1	4b	226	LEU	C-N-CA	8.91	129.48	119.32
1	4V	226	LEU	CA-C-N	8.90	129.47	119.32
1	4V	226	LEU	C-N-CA	8.90	129.47	119.32
2	8w	38	ILE	CA-C-N	8.90	128.84	120.03
2	8w	38	ILE	C-N-CA	8.90	128.84	120.03
1	4D	226	LEU	CA-C-N	8.89	129.46	119.32
1	4D	226	LEU	C-N-CA	8.89	129.46	119.32
1	1b	404	VAL	N-CA-C	8.88	118.88	110.53
1	1D	404	VAL	N-CA-C	8.88	118.88	110.53
1	8L	91	ILE	CA-C-N	8.88	129.44	119.32
1	8L	91	ILE	C-N-CA	8.88	129.44	119.32
1	1V	404	VAL	N-CA-C	8.88	118.88	110.53
1	4P	226	LEU	CA-C-N	8.87	129.44	119.32
1	4P	226	LEU	C-N-CA	8.87	129.44	119.32
1	8R	91	ILE	CA-C-N	8.87	129.43	119.32
1	8R	91	ILE	C-N-CA	8.87	129.43	119.32
1	1P	404	VAL	N-CA-C	8.86	118.86	110.53
1	3Y	226	LEU	CA-C-N	8.86	129.42	119.32
1	3Y	226	LEU	C-N-CA	8.86	129.42	119.32
1	8F	91	ILE	CA-C-N	8.85	129.41	119.32
1	8F	91	ILE	C-N-CA	8.85	129.41	119.32
1	8X	91	ILE	CA-C-N	8.85	129.40	119.32
1	8X	91	ILE	C-N-CA	8.85	129.40	119.32
1	1J	404	VAL	N-CA-C	8.83	118.83	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5X	202	GLU	CA-C-N	8.83	129.72	119.47
1	5X	202	GLU	C-N-CA	8.83	129.72	119.47
1	1B	314	ASN	CA-C-N	8.83	129.71	119.47
1	1B	314	ASN	C-N-CA	8.83	129.71	119.47
1	8d	91	ILE	CA-C-N	8.83	129.38	119.32
1	8d	91	ILE	C-N-CA	8.83	129.38	119.32
1	1Z	314	ASN	CA-C-N	8.82	129.70	119.47
1	1Z	314	ASN	C-N-CA	8.82	129.70	119.47
1	3M	226	LEU	CA-C-N	8.82	129.37	119.32
1	3M	226	LEU	C-N-CA	8.82	129.37	119.32
1	1b	226	LEU	CA-C-N	8.82	129.37	119.32
1	1b	226	LEU	C-N-CA	8.82	129.37	119.32
1	1H	314	ASN	CA-C-N	8.81	129.69	119.47
1	1H	314	ASN	C-N-CA	8.81	129.69	119.47
1	1N	314	ASN	CA-C-N	8.81	129.69	119.47
1	1N	314	ASN	C-N-CA	8.81	129.69	119.47
1	1V	226	LEU	CA-C-N	8.81	129.37	119.32
1	1V	226	LEU	C-N-CA	8.81	129.37	119.32
1	3A	226	LEU	CA-C-N	8.81	129.36	119.32
1	3A	226	LEU	C-N-CA	8.81	129.36	119.32
1	1P	226	LEU	CA-C-N	8.81	129.36	119.32
1	1P	226	LEU	C-N-CA	8.81	129.36	119.32
1	1D	226	LEU	CA-C-N	8.81	129.36	119.32
1	1D	226	LEU	C-N-CA	8.81	129.36	119.32
1	5L	202	GLU	CA-C-N	8.81	129.69	119.47
1	5L	202	GLU	C-N-CA	8.81	129.69	119.47
1	1T	314	ASN	CA-C-N	8.81	129.69	119.47
1	1T	314	ASN	C-N-CA	8.81	129.69	119.47
1	5F	202	GLU	CA-C-N	8.80	129.68	119.47
1	5F	202	GLU	C-N-CA	8.80	129.68	119.47
1	5R	202	GLU	CA-C-N	8.80	129.68	119.47
1	5R	202	GLU	C-N-CA	8.80	129.68	119.47
1	3S	226	LEU	CA-C-N	8.80	129.35	119.32
1	3S	226	LEU	C-N-CA	8.80	129.35	119.32
1	3G	226	LEU	CA-C-N	8.80	129.35	119.32
1	3G	226	LEU	C-N-CA	8.80	129.35	119.32
1	1J	226	LEU	CA-C-N	8.79	129.34	119.32
1	1J	226	LEU	C-N-CA	8.79	129.34	119.32
1	6Q	314	ASN	CA-C-N	8.79	128.94	119.28
1	6Q	314	ASN	C-N-CA	8.79	128.94	119.28
1	5d	202	GLU	CA-C-N	8.78	129.65	119.47
1	5d	202	GLU	C-N-CA	8.78	129.65	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8Z	91	ILE	CA-C-N	8.77	129.32	119.32
1	8Z	91	ILE	C-N-CA	8.77	129.32	119.32
1	6E	314	ASN	CA-C-N	8.76	128.92	119.28
1	6E	314	ASN	C-N-CA	8.76	128.92	119.28
1	5B	6	ASN	N-CA-C	8.76	115.97	108.78
1	5N	6	ASN	N-CA-C	8.76	115.97	108.78
1	8N	91	ILE	CA-C-N	8.75	129.30	119.32
1	8N	91	ILE	C-N-CA	8.75	129.30	119.32
1	5T	6	ASN	N-CA-C	8.75	115.96	108.78
1	6c	314	ASN	CA-C-N	8.75	128.91	119.28
1	6c	314	ASN	C-N-CA	8.75	128.91	119.28
1	6W	314	ASN	CA-C-N	8.75	128.91	119.28
1	6W	314	ASN	C-N-CA	8.75	128.91	119.28
1	6K	314	ASN	CA-C-N	8.75	128.90	119.28
1	6K	314	ASN	C-N-CA	8.75	128.90	119.28
1	8B	91	ILE	CA-C-N	8.74	129.29	119.32
1	8B	91	ILE	C-N-CA	8.74	129.29	119.32
1	8Y	226	LEU	CA-C-N	8.74	129.61	119.47
1	8Y	226	LEU	C-N-CA	8.74	129.61	119.47
1	8H	91	ILE	CA-C-N	8.74	129.28	119.32
1	8H	91	ILE	C-N-CA	8.74	129.28	119.32
1	6c	226	LEU	CA-C-N	8.73	129.28	119.32
1	6c	226	LEU	C-N-CA	8.73	129.28	119.32
1	5Z	6	ASN	N-CA-C	8.73	115.94	108.78
1	5H	6	ASN	N-CA-C	8.73	115.94	108.78
1	6W	226	LEU	CA-C-N	8.73	129.27	119.32
1	6W	226	LEU	C-N-CA	8.73	129.27	119.32
1	7F	91	ILE	CA-C-N	8.72	129.59	119.47
1	7F	91	ILE	C-N-CA	8.72	129.59	119.47
1	8S	226	LEU	CA-C-N	8.72	129.59	119.47
1	8S	226	LEU	C-N-CA	8.72	129.59	119.47
1	6E	226	LEU	CA-C-N	8.72	129.26	119.32
1	6E	226	LEU	C-N-CA	8.72	129.26	119.32
1	8A	226	LEU	CA-C-N	8.72	129.58	119.47
1	8A	226	LEU	C-N-CA	8.72	129.58	119.47
1	6K	226	LEU	CA-C-N	8.71	129.25	119.32
1	6K	226	LEU	C-N-CA	8.71	129.25	119.32
1	8M	226	LEU	CA-C-N	8.71	129.58	119.47
1	8M	226	LEU	C-N-CA	8.71	129.58	119.47
1	8T	91	ILE	CA-C-N	8.71	129.25	119.32
1	8T	91	ILE	C-N-CA	8.71	129.25	119.32
1	7P	91	ILE	CA-C-N	8.71	129.57	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7P	91	ILE	C-N-CA	8.71	129.57	119.47
1	7K	91	ILE	CA-C-N	8.71	129.57	119.47
1	7K	91	ILE	C-N-CA	8.71	129.57	119.47
1	8G	226	LEU	CA-C-N	8.71	129.57	119.47
1	8G	226	LEU	C-N-CA	8.71	129.57	119.47
1	7A	91	ILE	CA-C-N	8.70	129.56	119.47
1	7A	91	ILE	C-N-CA	8.70	129.56	119.47
1	8Q	91	ILE	CA-C-N	8.69	128.70	119.05
1	8Q	91	ILE	C-N-CA	8.69	128.70	119.05
1	6Q	226	LEU	CA-C-N	8.69	129.22	119.32
1	6Q	226	LEU	C-N-CA	8.69	129.22	119.32
1	6S	226	LEU	CA-C-N	8.68	129.22	119.32
1	6S	226	LEU	C-N-CA	8.68	129.22	119.32
1	8Y	314	ASN	CA-C-N	8.68	128.41	119.56
1	8Y	314	ASN	C-N-CA	8.68	128.41	119.56
1	6A	226	LEU	CA-C-N	8.68	129.21	119.32
1	6A	226	LEU	C-N-CA	8.68	129.21	119.32
1	6G	226	LEU	CA-C-N	8.67	129.21	119.32
1	6G	226	LEU	C-N-CA	8.67	129.21	119.32
1	7U	91	ILE	CA-C-N	8.67	129.53	119.47
1	7U	91	ILE	C-N-CA	8.67	129.53	119.47
1	3K	202	GLU	CA-C-N	8.66	128.67	119.05
1	3K	202	GLU	C-N-CA	8.66	128.67	119.05
1	6Y	226	LEU	CA-C-N	8.66	129.20	119.32
1	6Y	226	LEU	C-N-CA	8.66	129.20	119.32
1	8W	91	ILE	CA-C-N	8.66	128.66	119.05
1	8W	91	ILE	C-N-CA	8.66	128.66	119.05
1	1b	402	LEU	N-CA-C	8.66	120.34	111.07
1	3c	202	GLU	CA-C-N	8.66	128.66	119.05
1	3c	202	GLU	C-N-CA	8.66	128.66	119.05
1	8E	91	ILE	CA-C-N	8.65	128.66	119.05
1	8E	91	ILE	C-N-CA	8.65	128.66	119.05
1	3E	202	GLU	CA-C-N	8.65	128.65	119.05
1	3E	202	GLU	C-N-CA	8.65	128.65	119.05
1	3Q	202	GLU	CA-C-N	8.64	128.64	119.05
1	3Q	202	GLU	C-N-CA	8.64	128.64	119.05
1	6M	226	LEU	CA-C-N	8.64	129.18	119.32
1	6M	226	LEU	C-N-CA	8.64	129.18	119.32
1	1V	402	LEU	N-CA-C	8.64	120.32	111.07
1	4Y	314	ASN	CA-C-N	8.64	129.49	119.47
1	4Y	314	ASN	C-N-CA	8.64	129.49	119.47
1	4A	314	ASN	CA-C-N	8.64	129.49	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4A	314	ASN	C-N-CA	8.64	129.49	119.47
1	9B	91	ILE	CA-C-N	8.64	129.17	119.32
1	9B	91	ILE	C-N-CA	8.64	129.17	119.32
1	8S	314	ASN	CA-C-N	8.63	128.37	119.56
1	8S	314	ASN	C-N-CA	8.63	128.37	119.56
1	4M	314	ASN	CA-C-N	8.63	129.48	119.47
1	4M	314	ASN	C-N-CA	8.63	129.48	119.47
1	1D	402	LEU	N-CA-C	8.63	120.30	111.07
1	8A	314	ASN	CA-C-N	8.63	128.36	119.56
1	8A	314	ASN	C-N-CA	8.63	128.36	119.56
1	4R	227	PRO	N-CA-C	-8.63	97.66	111.38
1	8c	91	ILE	CA-C-N	8.63	128.63	119.05
1	8c	91	ILE	C-N-CA	8.63	128.63	119.05
1	1P	402	LEU	N-CA-C	8.63	120.30	111.07
1	8K	91	ILE	CA-C-N	8.63	128.63	119.05
1	8K	91	ILE	C-N-CA	8.63	128.63	119.05
1	4G	314	ASN	CA-C-N	8.62	129.47	119.47
1	4G	314	ASN	C-N-CA	8.62	129.47	119.47
1	8M	314	ASN	CA-C-N	8.62	128.35	119.56
1	8M	314	ASN	C-N-CA	8.62	128.35	119.56
1	3W	202	GLU	CA-C-N	8.62	128.62	119.05
1	3W	202	GLU	C-N-CA	8.62	128.62	119.05
1	4X	227	PRO	N-CA-C	-8.62	97.68	111.38
1	9A	91	ILE	CA-C-N	8.61	129.14	119.32
1	9A	91	ILE	C-N-CA	8.61	129.14	119.32
1	9E	91	ILE	CA-C-N	8.61	129.14	119.32
1	9E	91	ILE	C-N-CA	8.61	129.14	119.32
1	4L	227	PRO	N-CA-C	-8.61	97.69	111.38
1	1J	402	LEU	N-CA-C	8.61	120.28	111.07
1	5d	424	ASP	N-CA-C	-8.61	92.46	110.80
1	4F	227	PRO	N-CA-C	-8.61	97.69	111.38
1	8G	314	ASN	CA-C-N	8.61	128.34	119.56
1	8G	314	ASN	C-N-CA	8.61	128.34	119.56
1	4S	314	ASN	CA-C-N	8.61	129.45	119.47
1	4S	314	ASN	C-N-CA	8.61	129.45	119.47
1	5X	424	ASP	N-CA-C	-8.60	92.48	110.80
1	5F	424	ASP	N-CA-C	-8.60	92.48	110.80
1	5R	424	ASP	N-CA-C	-8.60	92.48	110.80
1	5L	424	ASP	N-CA-C	-8.60	92.49	110.80
1	9D	91	ILE	CA-C-N	8.60	129.12	119.32
1	9D	91	ILE	C-N-CA	8.60	129.12	119.32
1	4d	227	PRO	N-CA-C	-8.59	97.72	111.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1H	202	GLU	CA-C-N	8.59	129.11	119.32
1	1H	202	GLU	C-N-CA	8.59	129.11	119.32
1	1Z	202	GLU	CA-C-N	8.58	129.10	119.32
1	1Z	202	GLU	C-N-CA	8.58	129.10	119.32
1	5B	202	GLU	CA-C-N	8.57	128.19	118.85
1	5B	202	GLU	C-N-CA	8.57	128.19	118.85
1	5H	202	GLU	CA-C-N	8.57	128.19	118.85
1	5H	202	GLU	C-N-CA	8.57	128.19	118.85
1	1B	202	GLU	CA-C-N	8.57	129.09	119.32
1	1B	202	GLU	C-N-CA	8.57	129.09	119.32
1	8H	47	VAL	N-CA-C	8.57	118.84	111.90
1	8N	47	VAL	N-CA-C	8.56	118.84	111.90
1	5T	202	GLU	CA-C-N	8.56	128.18	118.85
1	5T	202	GLU	C-N-CA	8.56	128.18	118.85
1	8Z	47	VAL	N-CA-C	8.56	118.83	111.90
1	1T	202	GLU	CA-C-N	8.55	129.07	119.32
1	1T	202	GLU	C-N-CA	8.55	129.07	119.32
1	5N	202	GLU	CA-C-N	8.55	128.17	118.85
1	5N	202	GLU	C-N-CA	8.55	128.17	118.85
1	9C	91	ILE	CA-C-N	8.55	129.06	119.32
1	9C	91	ILE	C-N-CA	8.55	129.06	119.32
1	8B	47	VAL	N-CA-C	8.54	118.82	111.90
1	1N	202	GLU	CA-C-N	8.54	129.06	119.32
1	1N	202	GLU	C-N-CA	8.54	129.06	119.32
1	5Z	202	GLU	CA-C-N	8.53	128.15	118.85
1	5Z	202	GLU	C-N-CA	8.53	128.15	118.85
1	2S	314	ASN	CA-C-N	8.53	128.17	119.56
1	2S	314	ASN	C-N-CA	8.53	128.17	119.56
1	4b	91	ILE	CA-C-N	8.53	128.17	119.56
1	4b	91	ILE	C-N-CA	8.53	128.17	119.56
1	5N	201	ASP	N-CA-C	8.52	120.57	111.28
1	4D	91	ILE	CA-C-N	8.52	128.16	119.56
1	4D	91	ILE	C-N-CA	8.52	128.16	119.56
1	5B	201	ASP	N-CA-C	8.52	120.56	111.28
1	4J	91	ILE	CA-C-N	8.52	128.16	119.56
1	4J	91	ILE	C-N-CA	8.52	128.16	119.56
1	5H	201	ASP	N-CA-C	8.51	120.56	111.28
1	8T	47	VAL	N-CA-C	8.51	118.80	111.90
1	4P	91	ILE	CA-C-N	8.51	128.15	119.56
1	4P	91	ILE	C-N-CA	8.51	128.15	119.56
1	8O	226	LEU	CA-C-N	8.51	129.02	119.32
1	8O	226	LEU	C-N-CA	8.51	129.02	119.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2N	314	ASN	CA-C-N	8.51	128.15	119.56
1	2N	314	ASN	C-N-CA	8.51	128.15	119.56
1	2X	314	ASN	CA-C-N	8.50	128.15	119.56
1	2X	314	ASN	C-N-CA	8.50	128.15	119.56
1	5Z	201	ASP	N-CA-C	8.50	120.55	111.28
1	8C	226	LEU	CA-C-N	8.50	129.01	119.32
1	8C	226	LEU	C-N-CA	8.50	129.01	119.32
1	4V	91	ILE	CA-C-N	8.49	128.14	119.56
1	4V	91	ILE	C-N-CA	8.49	128.14	119.56
1	2D	314	ASN	CA-C-N	8.49	128.14	119.56
1	2D	314	ASN	C-N-CA	8.49	128.14	119.56
1	2I	314	ASN	CA-C-N	8.49	128.13	119.56
1	2I	314	ASN	C-N-CA	8.49	128.13	119.56
1	8I	226	LEU	CA-C-N	8.49	129.00	119.32
1	8I	226	LEU	C-N-CA	8.49	129.00	119.32
1	8U	226	LEU	CA-C-N	8.49	129.00	119.32
1	8U	226	LEU	C-N-CA	8.49	129.00	119.32
1	5T	201	ASP	N-CA-C	8.48	120.53	111.28
1	8N	226	LEU	CA-C-N	8.46	128.97	119.32
1	8N	226	LEU	C-N-CA	8.46	128.97	119.32
2	1s	38	ILE	CA-C-N	8.46	128.41	120.03
2	1s	38	ILE	C-N-CA	8.46	128.41	120.03
1	8a	226	LEU	CA-C-N	8.46	128.96	119.32
1	8a	226	LEU	C-N-CA	8.46	128.96	119.32
2	1w	38	ILE	CA-C-N	8.45	128.40	120.03
2	1w	38	ILE	C-N-CA	8.45	128.40	120.03
1	1I	226	LEU	CA-C-N	8.45	128.96	119.32
1	1I	226	LEU	C-N-CA	8.45	128.96	119.32
1	2H	202	GLU	CA-C-N	8.45	128.03	119.24
1	2H	202	GLU	C-N-CA	8.45	128.03	119.24
1	2W	202	GLU	CA-C-N	8.45	128.03	119.24
1	2W	202	GLU	C-N-CA	8.45	128.03	119.24
1	5T	314	ASN	CA-C-N	8.45	129.27	119.47
1	5T	314	ASN	C-N-CA	8.45	129.27	119.47
1	5T	226	LEU	CA-C-N	8.45	128.95	119.32
1	5T	226	LEU	C-N-CA	8.45	128.95	119.32
1	5N	226	LEU	CA-C-N	8.44	128.94	119.32
1	5N	226	LEU	C-N-CA	8.44	128.94	119.32
1	5I	226	LEU	CA-C-N	8.44	128.94	119.32
1	5I	226	LEU	C-N-CA	8.44	128.94	119.32
1	8Z	226	LEU	CA-C-N	8.44	128.94	119.32
1	8Z	226	LEU	C-N-CA	8.44	128.94	119.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8Z	314	ASN	CA-C-N	8.44	128.09	119.56
1	8Z	314	ASN	C-N-CA	8.44	128.09	119.56
1	8H	226	LEU	CA-C-N	8.44	128.94	119.32
1	8H	226	LEU	C-N-CA	8.44	128.94	119.32
1	8B	226	LEU	CA-C-N	8.44	128.94	119.32
1	8B	226	LEU	C-N-CA	8.44	128.94	119.32
1	8H	314	ASN	CA-C-N	8.44	128.08	119.56
1	8H	314	ASN	C-N-CA	8.44	128.08	119.56
1	8T	226	LEU	CA-C-N	8.44	128.94	119.32
1	8T	226	LEU	C-N-CA	8.44	128.94	119.32
1	5H	314	ASN	CA-C-N	8.43	129.25	119.47
1	5H	314	ASN	C-N-CA	8.43	129.25	119.47
1	5Z	226	LEU	CA-C-N	8.43	128.94	119.32
1	5Z	226	LEU	C-N-CA	8.43	128.94	119.32
1	8N	314	ASN	CA-C-N	8.43	128.08	119.56
1	8N	314	ASN	C-N-CA	8.43	128.08	119.56
1	5B	226	LEU	CA-C-N	8.43	128.93	119.32
1	5B	226	LEU	C-N-CA	8.43	128.93	119.32
1	5H	226	LEU	CA-C-N	8.43	128.93	119.32
1	5H	226	LEU	C-N-CA	8.43	128.93	119.32
1	1U	226	LEU	CA-C-N	8.43	128.93	119.32
1	1U	226	LEU	C-N-CA	8.43	128.93	119.32
1	1a	226	LEU	CA-C-N	8.43	128.92	119.32
1	1a	226	LEU	C-N-CA	8.43	128.92	119.32
1	5N	314	ASN	CA-C-N	8.42	129.24	119.47
1	5N	314	ASN	C-N-CA	8.42	129.24	119.47
1	2C	202	GLU	CA-C-N	8.42	128.00	119.24
1	2C	202	GLU	C-N-CA	8.42	128.00	119.24
1	2S	202	GLU	CA-C-N	8.42	129.24	119.47
1	2S	202	GLU	C-N-CA	8.42	129.24	119.47
1	1C	226	LEU	CA-C-N	8.42	128.91	119.32
1	1C	226	LEU	C-N-CA	8.42	128.91	119.32
1	8T	314	ASN	CA-C-N	8.42	128.06	119.56
1	8T	314	ASN	C-N-CA	8.42	128.06	119.56
1	5Z	314	ASN	CA-C-N	8.42	129.24	119.47
1	5Z	314	ASN	C-N-CA	8.42	129.24	119.47
1	8Z	346	VAL	CA-C-N	8.42	128.45	119.78
1	8Z	346	VAL	C-N-CA	8.42	128.45	119.78
2	1o	38	ILE	CA-C-N	8.42	128.36	120.03
2	1o	38	ILE	C-N-CA	8.42	128.36	120.03
1	5B	314	ASN	CA-C-N	8.41	129.23	119.47
1	5B	314	ASN	C-N-CA	8.41	129.23	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8B	314	ASN	CA-C-N	8.41	128.06	119.56
1	8B	314	ASN	C-N-CA	8.41	128.06	119.56
2	1g	38	ILE	CA-C-N	8.41	128.36	120.03
2	1g	38	ILE	C-N-CA	8.41	128.36	120.03
1	5a	226	LEU	CA-C-N	8.41	128.91	119.32
1	5a	226	LEU	C-N-CA	8.41	128.91	119.32
1	8T	346	VAL	CA-C-N	8.41	128.44	119.78
1	8T	346	VAL	C-N-CA	8.41	128.44	119.78
1	4M	226	LEU	CA-C-N	8.40	128.52	119.28
1	4M	226	LEU	C-N-CA	8.40	128.52	119.28
1	2R	202	GLU	CA-C-N	8.40	127.98	119.24
1	2R	202	GLU	C-N-CA	8.40	127.98	119.24
2	6v	38	ILE	CA-C-N	8.40	128.35	120.03
2	6v	38	ILE	C-N-CA	8.40	128.35	120.03
1	4S	226	LEU	CA-C-N	8.40	128.52	119.28
1	4S	226	LEU	C-N-CA	8.40	128.52	119.28
2	1k	38	ILE	CA-C-N	8.40	128.35	120.03
2	1k	38	ILE	C-N-CA	8.40	128.35	120.03
1	5C	226	LEU	CA-C-N	8.40	128.89	119.32
1	5C	226	LEU	C-N-CA	8.40	128.89	119.32
1	2D	202	GLU	CA-C-N	8.40	129.21	119.47
1	2D	202	GLU	C-N-CA	8.40	129.21	119.47
1	8H	346	VAL	CA-C-N	8.40	128.43	119.78
1	8H	346	VAL	C-N-CA	8.40	128.43	119.78
2	3f	38	ILE	CA-C-N	8.39	128.34	120.03
2	3f	38	ILE	C-N-CA	8.39	128.34	120.03
1	4A	226	LEU	CA-C-N	8.39	128.51	119.28
1	4A	226	LEU	C-N-CA	8.39	128.51	119.28
1	2X	202	GLU	CA-C-N	8.39	129.20	119.47
1	2X	202	GLU	C-N-CA	8.39	129.20	119.47
1	2M	202	GLU	CA-C-N	8.39	127.96	119.24
1	2M	202	GLU	C-N-CA	8.39	127.96	119.24
1	5O	226	LEU	CA-C-N	8.38	128.88	119.32
1	5O	226	LEU	C-N-CA	8.38	128.88	119.32
1	4Y	226	LEU	CA-C-N	8.38	128.50	119.28
1	4Y	226	LEU	C-N-CA	8.38	128.50	119.28
1	1O	226	LEU	CA-C-N	8.38	128.87	119.32
1	1O	226	LEU	C-N-CA	8.38	128.87	119.32
1	8B	346	VAL	CA-C-N	8.38	128.41	119.78
1	8B	346	VAL	C-N-CA	8.38	128.41	119.78
1	4G	226	LEU	CA-C-N	8.38	128.50	119.28
1	4G	226	LEU	C-N-CA	8.38	128.50	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	6r	38	ILE	CA-C-N	8.38	128.32	120.03
2	6r	38	ILE	C-N-CA	8.38	128.32	120.03
1	2N	202	GLU	CA-C-N	8.37	129.18	119.47
1	2N	202	GLU	C-N-CA	8.37	129.18	119.47
1	5U	226	LEU	CA-C-N	8.37	128.86	119.32
1	5U	226	LEU	C-N-CA	8.37	128.86	119.32
2	5m	38	ILE	CA-C-N	8.37	128.32	120.03
2	5m	38	ILE	C-N-CA	8.37	128.32	120.03
1	2I	202	GLU	CA-C-N	8.37	129.18	119.47
1	2I	202	GLU	C-N-CA	8.37	129.18	119.47
2	6f	38	ILE	CA-C-N	8.37	128.31	120.03
2	6f	38	ILE	C-N-CA	8.37	128.31	120.03
2	5i	38	ILE	CA-C-N	8.37	128.31	120.03
2	5i	38	ILE	C-N-CA	8.37	128.31	120.03
2	1m	38	ILE	CA-C-N	8.36	128.31	120.03
2	1m	38	ILE	C-N-CA	8.36	128.31	120.03
2	3j	38	ILE	CA-C-N	8.36	128.31	120.03
2	3j	38	ILE	C-N-CA	8.36	128.31	120.03
2	5g	38	ILE	CA-C-N	8.36	128.31	120.03
2	5g	38	ILE	C-N-CA	8.36	128.31	120.03
2	6j	38	ILE	CA-C-N	8.36	128.31	120.03
2	6j	38	ILE	C-N-CA	8.36	128.31	120.03
2	5k	38	ILE	CA-C-N	8.36	128.30	120.03
2	5k	38	ILE	C-N-CA	8.36	128.30	120.03
2	3h	38	ILE	CA-C-N	8.35	128.30	120.03
2	3h	38	ILE	C-N-CA	8.35	128.30	120.03
1	8b	314	ASN	CA-C-N	8.35	128.00	119.56
1	8b	314	ASN	C-N-CA	8.35	128.00	119.56
2	3l	38	ILE	CA-C-N	8.35	128.30	120.03
2	3l	38	ILE	C-N-CA	8.35	128.30	120.03
2	3v	38	ILE	CA-C-N	8.35	128.30	120.03
2	3v	38	ILE	C-N-CA	8.35	128.30	120.03
2	1e	38	ILE	CA-C-N	8.35	128.29	120.03
2	1e	38	ILE	C-N-CA	8.35	128.29	120.03
2	1q	38	ILE	CA-C-N	8.35	128.30	120.03
2	1q	38	ILE	C-N-CA	8.35	128.30	120.03
2	3r	38	ILE	CA-C-N	8.35	128.29	120.03
2	3r	38	ILE	C-N-CA	8.35	128.29	120.03
2	3p	38	ILE	CA-C-N	8.35	128.29	120.03
2	3p	38	ILE	C-N-CA	8.35	128.29	120.03
2	6n	38	ILE	CA-C-N	8.35	128.29	120.03
2	6n	38	ILE	C-N-CA	8.35	128.29	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	3x	38	ILE	CA-C-N	8.35	128.29	120.03
2	3x	38	ILE	C-N-CA	8.35	128.29	120.03
2	4m	38	ILE	CA-C-N	8.34	128.29	120.03
2	4m	38	ILE	C-N-CA	8.34	128.29	120.03
2	5e	38	ILE	CA-C-N	8.34	128.29	120.03
2	5e	38	ILE	C-N-CA	8.34	128.29	120.03
2	3t	38	ILE	CA-C-N	8.34	128.29	120.03
2	3t	38	ILE	C-N-CA	8.34	128.29	120.03
2	6x	38	ILE	CA-C-N	8.34	128.29	120.03
2	6x	38	ILE	C-N-CA	8.34	128.29	120.03
1	8V	314	ASN	CA-C-N	8.34	127.98	119.56
1	8V	314	ASN	C-N-CA	8.34	127.98	119.56
2	6h	38	ILE	CA-C-N	8.34	128.29	120.03
2	6h	38	ILE	C-N-CA	8.34	128.29	120.03
1	3a	226	LEU	CA-C-N	8.34	128.83	119.32
1	3a	226	LEU	C-N-CA	8.34	128.83	119.32
2	3n	38	ILE	CA-C-N	8.34	128.29	120.03
2	3n	38	ILE	C-N-CA	8.34	128.29	120.03
2	1u	38	ILE	CA-C-N	8.34	128.28	120.03
2	1u	38	ILE	C-N-CA	8.34	128.28	120.03
2	8o	38	ILE	CA-C-N	8.33	128.28	120.03
2	8o	38	ILE	C-N-CA	8.33	128.28	120.03
2	4k	38	ILE	CA-C-N	8.33	128.28	120.03
2	4k	38	ILE	C-N-CA	8.33	128.28	120.03
2	4e	38	ILE	CA-C-N	8.33	128.28	120.03
2	4e	38	ILE	C-N-CA	8.33	128.28	120.03
2	8m	38	ILE	CA-C-N	8.33	128.28	120.03
2	8m	38	ILE	C-N-CA	8.33	128.28	120.03
2	8i	38	ILE	CA-C-N	8.33	128.27	120.03
2	8i	38	ILE	C-N-CA	8.33	128.27	120.03
1	8N	346	VAL	CA-C-N	8.32	128.35	119.78
1	8N	346	VAL	C-N-CA	8.32	128.35	119.78
1	3c	226	LEU	CA-C-N	8.32	128.05	119.56
1	3c	226	LEU	C-N-CA	8.32	128.05	119.56
2	6t	38	ILE	CA-C-N	8.32	128.27	120.03
2	6t	38	ILE	C-N-CA	8.32	128.27	120.03
1	1O	81	ASN	CA-C-N	8.32	129.12	119.47
1	1O	81	ASN	C-N-CA	8.32	129.12	119.47
1	8P	314	ASN	CA-C-N	8.32	127.96	119.56
1	8P	314	ASN	C-N-CA	8.32	127.96	119.56
2	4g	38	ILE	CA-C-N	8.32	128.27	120.03
2	4g	38	ILE	C-N-CA	8.32	128.27	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3O	226	LEU	CA-C-N	8.32	128.80	119.32
1	3O	226	LEU	C-N-CA	8.32	128.80	119.32
2	9Q	38	ILE	CA-C-N	8.32	128.26	120.03
2	9Q	38	ILE	C-N-CA	8.32	128.26	120.03
1	1U	81	ASN	CA-C-N	8.31	129.11	119.47
1	1U	81	ASN	C-N-CA	8.31	129.11	119.47
2	8r	38	ILE	CA-C-N	8.31	128.26	120.03
2	8r	38	ILE	C-N-CA	8.31	128.26	120.03
2	6l	38	ILE	CA-C-N	8.31	128.26	120.03
2	6l	38	ILE	C-N-CA	8.31	128.26	120.03
2	1i	38	ILE	CA-C-N	8.31	128.25	120.03
2	1i	38	ILE	C-N-CA	8.31	128.25	120.03
1	3W	226	LEU	CA-C-N	8.31	128.03	119.56
1	3W	226	LEU	C-N-CA	8.31	128.03	119.56
1	9D	202	GLU	CA-C-N	8.30	129.10	119.47
1	9D	202	GLU	C-N-CA	8.30	129.10	119.47
2	8u	38	ILE	CA-C-N	8.30	128.25	120.03
2	8u	38	ILE	C-N-CA	8.30	128.25	120.03
1	1C	81	ASN	CA-C-N	8.30	129.10	119.47
1	1C	81	ASN	C-N-CA	8.30	129.10	119.47
1	3E	226	LEU	CA-C-N	8.30	128.03	119.56
1	3E	226	LEU	C-N-CA	8.30	128.03	119.56
1	8D	314	ASN	CA-C-N	8.30	127.94	119.56
1	8D	314	ASN	C-N-CA	8.30	127.94	119.56
1	1a	81	ASN	CA-C-N	8.30	129.10	119.47
1	1a	81	ASN	C-N-CA	8.30	129.10	119.47
2	9K	38	ILE	CA-C-N	8.30	128.25	120.03
2	9K	38	ILE	C-N-CA	8.30	128.25	120.03
2	6p	38	ILE	CA-C-N	8.30	128.25	120.03
2	6p	38	ILE	C-N-CA	8.30	128.25	120.03
2	4i	38	ILE	CA-C-N	8.30	128.25	120.03
2	4i	38	ILE	C-N-CA	8.30	128.25	120.03
1	3C	226	LEU	CA-C-N	8.29	128.78	119.32
1	3C	226	LEU	C-N-CA	8.29	128.78	119.32
2	8f	38	ILE	CA-C-N	8.29	128.24	120.03
2	8f	38	ILE	C-N-CA	8.29	128.24	120.03
2	9N	38	ILE	CA-C-N	8.29	128.24	120.03
2	9N	38	ILE	C-N-CA	8.29	128.24	120.03
1	9B	202	GLU	CA-C-N	8.29	129.09	119.47
1	9B	202	GLU	C-N-CA	8.29	129.09	119.47
1	8M	202	GLU	CA-C-N	8.29	129.09	119.47
1	8M	202	GLU	C-N-CA	8.29	129.09	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3W	314	ASN	CA-C-N	8.29	128.02	119.56
1	3W	314	ASN	C-N-CA	8.29	128.02	119.56
1	8J	314	ASN	CA-C-N	8.29	127.93	119.56
1	8J	314	ASN	C-N-CA	8.29	127.93	119.56
1	3Q	226	LEU	CA-C-N	8.29	128.01	119.56
1	3Q	226	LEU	C-N-CA	8.29	128.01	119.56
1	3K	226	LEU	CA-C-N	8.29	128.01	119.56
1	3K	226	LEU	C-N-CA	8.29	128.01	119.56
1	9A	202	GLU	CA-C-N	8.28	129.08	119.47
1	9A	202	GLU	C-N-CA	8.28	129.08	119.47
1	1I	81	ASN	CA-C-N	8.28	129.08	119.47
1	1I	81	ASN	C-N-CA	8.28	129.08	119.47
1	3U	226	LEU	CA-C-N	8.28	128.76	119.32
1	3U	226	LEU	C-N-CA	8.28	128.76	119.32
2	8x	38	ILE	CA-C-N	8.28	128.23	120.03
2	8x	38	ILE	C-N-CA	8.28	128.23	120.03
1	3I	226	LEU	CA-C-N	8.28	128.76	119.32
1	3I	226	LEU	C-N-CA	8.28	128.76	119.32
1	9E	202	GLU	CA-C-N	8.28	129.07	119.47
1	9E	202	GLU	C-N-CA	8.28	129.07	119.47
2	8g	38	ILE	CA-C-N	8.28	128.23	120.03
2	8g	38	ILE	C-N-CA	8.28	128.23	120.03
1	4Q	226	LEU	CA-C-N	8.27	128.75	119.32
1	4Q	226	LEU	C-N-CA	8.27	128.75	119.32
2	8y	38	ILE	CA-C-N	8.27	128.22	120.03
2	8y	38	ILE	C-N-CA	8.27	128.22	120.03
1	4c	226	LEU	CA-C-N	8.27	128.75	119.32
1	4c	226	LEU	C-N-CA	8.27	128.75	119.32
1	8A	202	GLU	CA-C-N	8.27	129.06	119.47
1	8A	202	GLU	C-N-CA	8.27	129.06	119.47
1	7V	202	GLU	CA-C-N	8.27	130.17	119.84
1	7V	202	GLU	C-N-CA	8.27	130.17	119.84
1	7B	202	GLU	CA-C-N	8.26	130.17	119.84
1	7B	202	GLU	C-N-CA	8.26	130.17	119.84
1	8S	202	GLU	CA-C-N	8.26	129.05	119.47
1	8S	202	GLU	C-N-CA	8.26	129.05	119.47
1	9C	202	GLU	CA-C-N	8.26	129.05	119.47
1	9C	202	GLU	C-N-CA	8.26	129.05	119.47
1	4W	226	LEU	CA-C-N	8.26	128.74	119.32
1	4W	226	LEU	C-N-CA	8.26	128.74	119.32
2	8l	38	ILE	CA-C-N	8.26	128.21	120.03
2	8l	38	ILE	C-N-CA	8.26	128.21	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8s	38	ILE	CA-C-N	8.26	128.21	120.03
2	8s	38	ILE	C-N-CA	8.26	128.21	120.03
1	4K	226	LEU	CA-C-N	8.26	128.73	119.32
1	4K	226	LEU	C-N-CA	8.26	128.73	119.32
1	8G	202	GLU	CA-C-N	8.26	129.05	119.47
1	8G	202	GLU	C-N-CA	8.26	129.05	119.47
1	7G	202	GLU	CA-C-N	8.26	130.16	119.84
1	7G	202	GLU	C-N-CA	8.26	130.16	119.84
1	8Y	202	GLU	CA-C-N	8.25	129.04	119.47
1	8Y	202	GLU	C-N-CA	8.25	129.04	119.47
1	3E	314	ASN	CA-C-N	8.24	127.97	119.56
1	3E	314	ASN	C-N-CA	8.24	127.97	119.56
1	4E	226	LEU	CA-C-N	8.24	128.71	119.32
1	4E	226	LEU	C-N-CA	8.24	128.71	119.32
2	9O	38	ILE	CA-C-N	8.23	128.18	120.03
2	9O	38	ILE	C-N-CA	8.23	128.18	120.03
1	5L	124	MET	CA-C-N	8.23	128.16	119.85
1	5L	124	MET	C-N-CA	8.23	128.16	119.85
1	3Q	314	ASN	CA-C-N	8.23	127.95	119.56
1	3Q	314	ASN	C-N-CA	8.23	127.95	119.56
1	7Q	202	GLU	CA-C-N	8.23	130.13	119.84
1	7Q	202	GLU	C-N-CA	8.23	130.13	119.84
1	3c	314	ASN	CA-C-N	8.23	127.95	119.56
1	3c	314	ASN	C-N-CA	8.23	127.95	119.56
1	7L	202	GLU	CA-C-N	8.22	130.12	119.84
1	7L	202	GLU	C-N-CA	8.22	130.12	119.84
1	8I	202	GLU	CA-C-N	8.21	129.00	119.47
1	8I	202	GLU	C-N-CA	8.21	129.00	119.47
1	3K	314	ASN	CA-C-N	8.21	127.93	119.56
1	3K	314	ASN	C-N-CA	8.21	127.93	119.56
1	9E	226	LEU	CA-C-N	8.21	128.68	119.32
1	9E	226	LEU	C-N-CA	8.21	128.68	119.32
1	9B	226	LEU	CA-C-N	8.21	128.68	119.32
1	9B	226	LEU	C-N-CA	8.21	128.68	119.32
1	4R	202	GLU	CA-C-N	8.21	128.99	119.47
1	4R	202	GLU	C-N-CA	8.21	128.99	119.47
1	8a	202	GLU	CA-C-N	8.20	128.98	119.47
1	8a	202	GLU	C-N-CA	8.20	128.98	119.47
1	5N	81	ASN	CA-C-N	8.19	128.97	119.47
1	5N	81	ASN	C-N-CA	8.19	128.97	119.47
1	5R	124	MET	CA-C-N	8.20	128.13	119.85
1	5R	124	MET	C-N-CA	8.20	128.13	119.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	9C	226	LEU	CA-C-N	8.19	128.66	119.32
1	9C	226	LEU	C-N-CA	8.19	128.66	119.32
1	8C	202	GLU	CA-C-N	8.19	128.97	119.47
1	8C	202	GLU	C-N-CA	8.19	128.97	119.47
1	5F	124	MET	CA-C-N	8.19	128.12	119.85
1	5F	124	MET	C-N-CA	8.19	128.12	119.85
1	9A	226	LEU	CA-C-N	8.19	128.65	119.32
1	9A	226	LEU	C-N-CA	8.19	128.65	119.32
1	8O	314	ASN	CA-C-N	8.19	127.83	119.56
1	8O	314	ASN	C-N-CA	8.19	127.83	119.56
1	9D	226	LEU	CA-C-N	8.19	128.65	119.32
1	9D	226	LEU	C-N-CA	8.19	128.65	119.32
1	1Z	402	LEU	N-CA-C	8.19	120.28	111.36
1	8C	314	ASN	CA-C-N	8.18	127.83	119.56
1	8C	314	ASN	C-N-CA	8.18	127.83	119.56
1	1N	402	LEU	N-CA-C	8.18	120.28	111.36
1	3U	314	ASN	CA-C-N	8.18	130.07	119.84
1	3U	314	ASN	C-N-CA	8.18	130.07	119.84
1	8S	251	ILE	N-CA-C	8.18	120.28	111.77
1	5X	124	MET	CA-C-N	8.18	128.11	119.85
1	5X	124	MET	C-N-CA	8.18	128.11	119.85
1	8G	251	ILE	N-CA-C	8.18	120.27	111.77
1	4d	202	GLU	CA-C-N	8.18	128.95	119.47
1	4d	202	GLU	C-N-CA	8.18	128.95	119.47
1	8I	314	ASN	CA-C-N	8.17	127.82	119.56
1	8I	314	ASN	C-N-CA	8.17	127.82	119.56
1	1B	402	LEU	N-CA-C	8.17	120.26	111.36
1	4F	202	GLU	CA-C-N	8.17	128.95	119.47
1	4F	202	GLU	C-N-CA	8.17	128.95	119.47
1	8O	202	GLU	CA-C-N	8.17	128.94	119.47
1	8O	202	GLU	C-N-CA	8.17	128.94	119.47
1	8U	202	GLU	CA-C-N	8.17	128.94	119.47
1	8U	202	GLU	C-N-CA	8.17	128.94	119.47
1	8U	314	ASN	CA-C-N	8.17	127.81	119.56
1	8U	314	ASN	C-N-CA	8.17	127.81	119.56
1	6O	226	LEU	CA-C-N	8.16	127.89	119.56
1	6O	226	LEU	C-N-CA	8.16	127.89	119.56
1	4L	202	GLU	CA-C-N	8.16	128.94	119.47
1	4L	202	GLU	C-N-CA	8.16	128.94	119.47
1	1T	402	LEU	N-CA-C	8.16	120.26	111.36
1	5Z	81	ASN	CA-C-N	8.16	128.94	119.47
1	5Z	81	ASN	C-N-CA	8.16	128.94	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7R	440	ASN	CA-CB-CG	8.16	120.76	112.60
1	3a	314	ASN	CA-C-N	8.16	130.04	119.84
1	3a	314	ASN	C-N-CA	8.16	130.04	119.84
1	8a	314	ASN	CA-C-N	8.16	127.80	119.56
1	8a	314	ASN	C-N-CA	8.16	127.80	119.56
1	8A	251	ILE	N-CA-C	8.15	120.25	111.77
1	6U	226	LEU	CA-C-N	8.15	127.87	119.56
1	6U	226	LEU	C-N-CA	8.15	127.87	119.56
1	5d	124	MET	CA-C-N	8.15	128.08	119.85
1	5d	124	MET	C-N-CA	8.15	128.08	119.85
1	7C	440	ASN	CA-CB-CG	8.15	120.75	112.60
1	8M	251	ILE	N-CA-C	8.15	120.24	111.77
1	7H	440	ASN	CA-CB-CG	8.14	120.74	112.60
1	8J	91	ILE	CA-C-N	8.14	128.34	119.87
1	8J	91	ILE	C-N-CA	8.14	128.34	119.87
1	7Q	91	ILE	CA-C-N	8.14	127.71	119.24
1	7Q	91	ILE	C-N-CA	8.14	127.71	119.24
1	8Z	354	VAL	N-CA-C	8.14	119.51	108.11
1	3C	314	ASN	CA-C-N	8.14	130.01	119.84
1	3C	314	ASN	C-N-CA	8.14	130.01	119.84
1	8D	91	ILE	CA-C-N	8.14	128.33	119.87
1	8D	91	ILE	C-N-CA	8.14	128.33	119.87
1	1H	402	LEU	N-CA-C	8.14	120.23	111.36
1	1X	124	MET	CA-C-N	8.14	128.16	119.78
1	1X	124	MET	C-N-CA	8.14	128.16	119.78
1	4X	202	GLU	CA-C-N	8.14	128.91	119.47
1	4X	202	GLU	C-N-CA	8.14	128.91	119.47
1	1d	124	MET	CA-C-N	8.14	128.16	119.78
1	1d	124	MET	C-N-CA	8.14	128.16	119.78
1	3I	314	ASN	CA-C-N	8.14	130.01	119.84
1	3I	314	ASN	C-N-CA	8.14	130.01	119.84
1	5B	81	ASN	CA-C-N	8.13	128.90	119.47
1	5B	81	ASN	C-N-CA	8.13	128.90	119.47
1	5T	81	ASN	CA-C-N	8.13	128.90	119.47
1	5T	81	ASN	C-N-CA	8.13	128.90	119.47
1	3d	226	LEU	CA-C-N	8.13	128.23	119.28
1	3d	226	LEU	C-N-CA	8.13	128.23	119.28
1	8b	91	ILE	CA-C-N	8.13	128.33	119.87
1	8b	91	ILE	C-N-CA	8.13	128.33	119.87
1	7M	440	ASN	CA-CB-CG	8.13	120.73	112.60
1	8P	91	ILE	CA-C-N	8.13	128.32	119.87
1	8P	91	ILE	C-N-CA	8.13	128.32	119.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6a	226	LEU	CA-C-N	8.13	127.85	119.56
1	6a	226	LEU	C-N-CA	8.13	127.85	119.56
1	1F	124	MET	CA-C-N	8.12	128.15	119.78
1	1F	124	MET	C-N-CA	8.12	128.15	119.78
1	3F	226	LEU	CA-C-N	8.12	128.22	119.28
1	3F	226	LEU	C-N-CA	8.12	128.22	119.28
1	3R	226	LEU	CA-C-N	8.12	128.21	119.28
1	3R	226	LEU	C-N-CA	8.12	128.21	119.28
1	8V	91	ILE	CA-C-N	8.12	128.31	119.87
1	8V	91	ILE	C-N-CA	8.12	128.31	119.87
1	3X	226	LEU	CA-C-N	8.12	128.21	119.28
1	3X	226	LEU	C-N-CA	8.12	128.21	119.28
1	7W	440	ASN	CA-CB-CG	8.12	120.72	112.60
1	3O	314	ASN	CA-C-N	8.11	129.98	119.84
1	3O	314	ASN	C-N-CA	8.11	129.98	119.84
1	6O	314	ASN	CA-C-N	8.11	127.75	119.56
1	6O	314	ASN	C-N-CA	8.11	127.75	119.56
1	7N	314	ASN	CA-C-N	8.11	127.75	119.56
1	7N	314	ASN	C-N-CA	8.11	127.75	119.56
1	1L	124	MET	CA-C-N	8.11	128.13	119.78
1	1L	124	MET	C-N-CA	8.11	128.13	119.78
1	4Q	425	LYS	CA-C-N	8.11	128.79	120.04
1	4Q	425	LYS	C-N-CA	8.11	128.79	120.04
1	8Y	251	ILE	N-CA-C	8.11	120.20	111.77
1	7G	91	ILE	CA-C-N	8.10	127.67	119.24
1	7G	91	ILE	C-N-CA	8.10	127.67	119.24
1	7V	91	ILE	CA-C-N	8.10	127.67	119.24
1	7V	91	ILE	C-N-CA	8.10	127.67	119.24
1	8B	354	VAL	N-CA-C	8.10	119.45	108.11
1	3L	226	LEU	CA-C-N	8.10	128.19	119.28
1	3L	226	LEU	C-N-CA	8.10	128.19	119.28
1	7B	91	ILE	CA-C-N	8.10	127.66	119.24
1	7B	91	ILE	C-N-CA	8.10	127.66	119.24
1	1R	124	MET	CA-C-N	8.10	128.12	119.78
1	1R	124	MET	C-N-CA	8.10	128.12	119.78
2	2u	117	GLU	N-CA-C	8.10	124.08	114.04
1	6Q	425	LYS	CA-C-N	8.09	128.03	119.85
1	6Q	425	LYS	C-N-CA	8.09	128.03	119.85
1	5H	81	ASN	CA-C-N	8.09	128.86	119.47
1	5H	81	ASN	C-N-CA	8.09	128.86	119.47
1	8N	354	VAL	N-CA-C	8.09	119.44	108.11
1	6I	226	LEU	CA-C-N	8.09	127.81	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6I	226	LEU	C-N-CA	8.09	127.81	119.56
1	7L	91	ILE	CA-C-N	8.09	127.65	119.24
1	7L	91	ILE	C-N-CA	8.09	127.65	119.24
1	4E	425	LYS	CA-C-N	8.09	128.78	120.04
1	4E	425	LYS	C-N-CA	8.09	128.78	120.04
1	1O	124	MET	CA-C-N	8.09	128.02	119.85
1	1O	124	MET	C-N-CA	8.09	128.02	119.85
1	4K	425	LYS	CA-C-N	8.08	128.77	120.04
1	4K	425	LYS	C-N-CA	8.08	128.77	120.04
1	6U	314	ASN	CA-C-N	8.08	127.72	119.56
1	6U	314	ASN	C-N-CA	8.08	127.72	119.56
1	6I	314	ASN	CA-C-N	8.08	127.72	119.56
1	6I	314	ASN	C-N-CA	8.08	127.72	119.56
1	8T	354	VAL	N-CA-C	8.08	119.42	108.11
1	3V	314	ASN	CA-C-N	8.08	127.80	119.56
1	3V	314	ASN	C-N-CA	8.08	127.80	119.56
1	8H	354	VAL	N-CA-C	8.07	119.41	108.11
1	6a	314	ASN	CA-C-N	8.07	127.71	119.56
1	6a	314	ASN	C-N-CA	8.07	127.71	119.56
2	2p	117	GLU	N-CA-C	8.07	124.05	114.04
1	1C	124	MET	CA-C-N	8.07	128.00	119.85
1	1C	124	MET	C-N-CA	8.07	128.00	119.85
2	9I	117	GLU	N-CA-C	8.07	124.05	114.04
1	6C	314	ASN	CA-C-N	8.07	127.71	119.56
1	6C	314	ASN	C-N-CA	8.07	127.71	119.56
2	2f	117	GLU	N-CA-C	8.07	124.04	114.04
2	2k	117	GLU	N-CA-C	8.07	124.04	114.04
1	7I	314	ASN	CA-C-N	8.06	127.71	119.56
1	7I	314	ASN	C-N-CA	8.06	127.71	119.56
2	7k	117	GLU	N-CA-C	8.06	124.04	114.04
1	4c	425	LYS	CA-C-N	8.06	128.75	120.04
1	4c	425	LYS	C-N-CA	8.06	128.75	120.04
1	7S	314	ASN	CA-C-N	8.06	127.70	119.56
1	7S	314	ASN	C-N-CA	8.06	127.70	119.56
1	7X	314	ASN	CA-C-N	8.06	127.70	119.56
1	7X	314	ASN	C-N-CA	8.06	127.70	119.56
2	2a	117	GLU	N-CA-C	8.06	124.04	114.04
2	2o	117	GLU	N-CA-C	8.06	124.03	114.04
1	7D	314	ASN	CA-C-N	8.06	127.70	119.56
1	7D	314	ASN	C-N-CA	8.06	127.70	119.56
2	2e	117	GLU	N-CA-C	8.06	124.03	114.04
1	1I	124	MET	CA-C-N	8.05	127.98	119.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1I	124	MET	C-N-CA	8.05	127.98	119.85
2	9J	117	GLU	N-CA-C	8.05	124.03	114.04
2	7f	117	GLU	N-CA-C	8.05	124.03	114.04
1	6E	425	LYS	CA-C-N	8.05	127.98	119.85
1	6E	425	LYS	C-N-CA	8.05	127.98	119.85
2	9H	117	GLU	N-CA-C	8.05	124.02	114.04
1	6c	425	LYS	CA-C-N	8.05	127.98	119.85
1	6c	425	LYS	C-N-CA	8.05	127.98	119.85
1	4W	425	LYS	CA-C-N	8.05	128.73	120.04
1	4W	425	LYS	C-N-CA	8.05	128.73	120.04
1	1L	346	VAL	CA-C-N	8.04	128.06	119.78
1	1L	346	VAL	C-N-CA	8.04	128.06	119.78
1	1X	346	VAL	CA-C-N	8.04	128.06	119.78
1	1X	346	VAL	C-N-CA	8.04	128.06	119.78
1	3Y	314	ASN	CA-C-N	8.04	127.76	119.56
1	3Y	314	ASN	C-N-CA	8.04	127.76	119.56
2	2m	117	GLU	N-CA-C	8.04	124.01	114.04
2	7u	117	GLU	N-CA-C	8.04	124.01	114.04
2	7a	117	GLU	N-CA-C	8.04	124.01	114.04
2	9F	117	GLU	N-CA-C	8.04	124.01	114.04
2	2l	117	GLU	N-CA-C	8.03	124.00	114.04
1	6X	226	LEU	CA-C-N	8.03	128.11	119.28
1	6X	226	LEU	C-N-CA	8.03	128.11	119.28
1	1a	124	MET	CA-C-N	8.03	127.96	119.85
1	1a	124	MET	C-N-CA	8.03	127.96	119.85
2	2g	117	GLU	N-CA-C	8.03	124.00	114.04
2	9G	117	GLU	N-CA-C	8.03	124.00	114.04
1	1U	124	MET	CA-C-N	8.03	127.96	119.85
1	1U	124	MET	C-N-CA	8.03	127.96	119.85
1	6W	425	LYS	CA-C-N	8.03	127.96	119.85
1	6W	425	LYS	C-N-CA	8.03	127.96	119.85
2	2t	117	GLU	N-CA-C	8.03	124.00	114.04
2	2w	117	GLU	N-CA-C	8.03	124.00	114.04
1	3P	314	ASN	CA-C-N	8.03	127.75	119.56
1	3P	314	ASN	C-N-CA	8.03	127.75	119.56
2	2Z	117	GLU	N-CA-C	8.03	123.99	114.04
2	2v	117	GLU	N-CA-C	8.02	123.99	114.04
1	3J	314	ASN	CA-C-N	8.02	127.74	119.56
1	3J	314	ASN	C-N-CA	8.02	127.74	119.56
1	6L	226	LEU	CA-C-N	8.02	128.10	119.28
1	6L	226	LEU	C-N-CA	8.02	128.10	119.28
2	2c	117	GLU	N-CA-C	8.02	123.99	114.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	7x	117	GLU	N-CA-C	8.02	123.99	114.04
1	3D	314	ASN	CA-C-N	8.02	127.74	119.56
1	3D	314	ASN	C-N-CA	8.02	127.74	119.56
1	6K	425	LYS	CA-C-N	8.02	127.95	119.85
1	6K	425	LYS	C-N-CA	8.02	127.95	119.85
2	2b	117	GLU	N-CA-C	8.02	123.98	114.04
1	3S	314	ASN	CA-C-N	8.02	127.74	119.56
1	3S	314	ASN	C-N-CA	8.02	127.74	119.56
1	3b	314	ASN	CA-C-N	8.02	127.74	119.56
1	3b	314	ASN	C-N-CA	8.02	127.74	119.56
1	3G	314	ASN	CA-C-N	8.02	127.73	119.56
1	3G	314	ASN	C-N-CA	8.02	127.73	119.56
2	2x	117	GLU	N-CA-C	8.02	123.98	114.04
1	4b	398	GLY	N-CA-C	-8.01	102.63	112.33
2	7d	117	GLU	N-CA-C	8.01	123.97	114.04
2	2q	117	GLU	N-CA-C	8.01	123.97	114.04
1	6F	226	LEU	CA-C-N	8.01	128.09	119.28
1	6F	226	LEU	C-N-CA	8.01	128.09	119.28
1	4V	398	GLY	N-CA-C	-8.01	102.64	112.33
2	2h	117	GLU	N-CA-C	8.01	123.97	114.04
2	7s	117	GLU	N-CA-C	8.01	123.97	114.04
2	7t	117	GLU	N-CA-C	8.01	123.97	114.04
1	1F	346	VAL	CA-C-N	8.00	128.02	119.78
1	1F	346	VAL	C-N-CA	8.00	128.02	119.78
1	3A	314	ASN	CA-C-N	8.00	127.72	119.56
1	3A	314	ASN	C-N-CA	8.00	127.72	119.56
1	6G	314	ASN	CA-C-N	8.00	127.72	119.56
1	6G	314	ASN	C-N-CA	8.00	127.72	119.56
2	2j	117	GLU	N-CA-C	8.00	123.97	114.04
1	6R	226	LEU	CA-C-N	8.00	128.08	119.28
1	6R	226	LEU	C-N-CA	8.00	128.08	119.28
2	7p	117	GLU	N-CA-C	8.00	123.96	114.04
2	2n	117	GLU	N-CA-C	8.00	123.96	114.04
2	7Z	117	GLU	N-CA-C	8.00	123.95	114.04
2	7o	117	GLU	N-CA-C	8.00	123.95	114.04
2	2d	117	GLU	N-CA-C	7.99	123.95	114.04
2	7n	117	GLU	N-CA-C	7.99	123.95	114.04
2	7h	117	GLU	N-CA-C	7.99	123.95	114.04
2	2s	117	GLU	N-CA-C	7.99	123.95	114.04
2	7w	117	GLU	N-CA-C	7.99	123.95	114.04
1	4J	398	GLY	N-CA-C	-7.99	102.66	112.33
1	3M	314	ASN	CA-C-N	7.99	127.71	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3M	314	ASN	C-N-CA	7.99	127.71	119.56
1	2K	425	LYS	CA-C-N	7.99	128.01	119.78
1	2K	425	LYS	C-N-CA	7.99	128.01	119.78
1	6M	314	ASN	CA-C-N	7.99	127.71	119.56
1	6M	314	ASN	C-N-CA	7.99	127.71	119.56
1	4D	398	GLY	N-CA-C	-7.98	102.67	112.33
2	7c	117	GLU	N-CA-C	7.98	123.94	114.04
1	6S	314	ASN	CA-C-N	7.98	127.70	119.56
1	6S	314	ASN	C-N-CA	7.98	127.70	119.56
1	1d	346	VAL	CA-C-N	7.98	128.00	119.78
1	1d	346	VAL	C-N-CA	7.98	128.00	119.78
2	7i	117	GLU	N-CA-C	7.98	123.94	114.04
1	6Y	314	ASN	CA-C-N	7.98	127.70	119.56
1	6Y	314	ASN	C-N-CA	7.98	127.70	119.56
2	2r	117	GLU	N-CA-C	7.98	123.93	114.04
2	7v	117	GLU	N-CA-C	7.98	123.93	114.04
1	6A	314	ASN	CA-C-N	7.98	127.70	119.56
1	6A	314	ASN	C-N-CA	7.98	127.70	119.56
2	7g	117	GLU	N-CA-C	7.98	123.93	114.04
1	2P	425	LYS	CA-C-N	7.98	128.00	119.78
1	2P	425	LYS	C-N-CA	7.98	128.00	119.78
1	4P	398	GLY	N-CA-C	-7.97	102.68	112.33
2	2i	117	GLU	N-CA-C	7.97	123.93	114.04
2	7m	117	GLU	N-CA-C	7.97	123.93	114.04
2	7q	117	GLU	N-CA-C	7.97	123.93	114.04
2	7b	117	GLU	N-CA-C	7.97	123.92	114.04
2	7e	117	GLU	N-CA-C	7.97	123.92	114.04
1	2U	425	LYS	CA-C-N	7.96	127.98	119.78
1	2U	425	LYS	C-N-CA	7.96	127.98	119.78
2	7r	117	GLU	N-CA-C	7.96	123.92	114.04
1	2A	425	LYS	CA-C-N	7.96	127.98	119.78
1	2A	425	LYS	C-N-CA	7.96	127.98	119.78
1	6d	226	LEU	CA-C-N	7.96	128.03	119.28
1	6d	226	LEU	C-N-CA	7.96	128.03	119.28
1	1R	346	VAL	CA-C-N	7.96	127.97	119.78
1	1R	346	VAL	C-N-CA	7.96	127.97	119.78
2	7j	117	GLU	N-CA-C	7.95	123.90	114.04
2	7l	117	GLU	N-CA-C	7.95	123.90	114.04
1	7O	226	LEU	CA-C-N	7.93	127.22	118.97
1	7O	226	LEU	C-N-CA	7.93	127.22	118.97
1	3V	226	LEU	CA-C-N	7.93	128.36	119.32
1	3V	226	LEU	C-N-CA	7.93	128.36	119.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7E	226	LEU	CA-C-N	7.93	127.22	118.97
1	7E	226	LEU	C-N-CA	7.93	127.22	118.97
1	7Y	226	LEU	CA-C-N	7.93	127.22	118.97
1	7Y	226	LEU	C-N-CA	7.93	127.22	118.97
1	2F	425	LYS	CA-C-N	7.93	127.94	119.78
1	2F	425	LYS	C-N-CA	7.93	127.94	119.78
1	7T	226	LEU	CA-C-N	7.93	127.21	118.97
1	7T	226	LEU	C-N-CA	7.93	127.21	118.97
1	6R	124	MET	CA-C-N	7.92	127.94	119.78
1	6R	124	MET	C-N-CA	7.92	127.94	119.78
1	3D	226	LEU	CA-C-N	7.92	128.35	119.32
1	3D	226	LEU	C-N-CA	7.92	128.35	119.32
1	3J	226	LEU	CA-C-N	7.92	128.34	119.32
1	3J	226	LEU	C-N-CA	7.92	128.34	119.32
1	3b	226	LEU	CA-C-N	7.91	128.34	119.32
1	3b	226	LEU	C-N-CA	7.91	128.34	119.32
1	6c	81	ASN	CA-C-N	7.91	128.34	119.32
1	6c	81	ASN	C-N-CA	7.91	128.34	119.32
1	3P	226	LEU	CA-C-N	7.91	128.34	119.32
1	3P	226	LEU	C-N-CA	7.91	128.34	119.32
1	7J	226	LEU	CA-C-N	7.90	127.18	118.97
1	7J	226	LEU	C-N-CA	7.90	127.18	118.97
1	3Z	202	GLU	CA-C-N	7.89	128.62	119.47
1	3Z	202	GLU	C-N-CA	7.89	128.62	119.47
1	7U	226	LEU	CA-C-N	7.89	128.31	119.32
1	7U	226	LEU	C-N-CA	7.89	128.31	119.32
1	6E	81	ASN	CA-C-N	7.88	128.31	119.32
1	6E	81	ASN	C-N-CA	7.88	128.31	119.32
1	6F	124	MET	CA-C-N	7.88	127.90	119.78
1	6F	124	MET	C-N-CA	7.88	127.90	119.78
1	3b	202	GLU	CA-C-N	7.88	128.31	119.32
1	3b	202	GLU	C-N-CA	7.88	128.31	119.32
1	6K	81	ASN	CA-C-N	7.88	128.30	119.32
1	6K	81	ASN	C-N-CA	7.88	128.30	119.32
1	6W	81	ASN	CA-C-N	7.88	128.30	119.32
1	6W	81	ASN	C-N-CA	7.88	128.30	119.32
1	7F	226	LEU	CA-C-N	7.87	128.30	119.32
1	7F	226	LEU	C-N-CA	7.87	128.30	119.32
1	3P	202	GLU	CA-C-N	7.87	128.30	119.32
1	3P	202	GLU	C-N-CA	7.87	128.30	119.32
1	3D	202	GLU	CA-C-N	7.87	128.29	119.32
1	3D	202	GLU	C-N-CA	7.87	128.29	119.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3B	202	GLU	CA-C-N	7.87	128.60	119.47
1	3B	202	GLU	C-N-CA	7.87	128.60	119.47
1	7P	226	LEU	CA-C-N	7.87	128.29	119.32
1	7P	226	LEU	C-N-CA	7.87	128.29	119.32
1	6L	124	MET	CA-C-N	7.86	127.88	119.78
1	6L	124	MET	C-N-CA	7.86	127.88	119.78
1	6X	124	MET	CA-C-N	7.86	127.88	119.78
1	6X	124	MET	C-N-CA	7.86	127.88	119.78
1	6H	202	GLU	CA-C-N	7.86	128.59	119.47
1	6H	202	GLU	C-N-CA	7.86	128.59	119.47
1	3T	202	GLU	CA-C-N	7.86	128.59	119.47
1	3T	202	GLU	C-N-CA	7.86	128.59	119.47
1	6N	226	LEU	CA-C-N	7.86	127.93	119.28
1	6N	226	LEU	C-N-CA	7.86	127.93	119.28
1	1E	81	ASN	CA-C-N	7.86	128.59	119.47
1	1E	81	ASN	C-N-CA	7.86	128.59	119.47
1	3N	202	GLU	CA-C-N	7.86	128.59	119.47
1	3N	202	GLU	C-N-CA	7.86	128.59	119.47
1	1Q	81	ASN	CA-C-N	7.86	128.59	119.47
1	1Q	81	ASN	C-N-CA	7.86	128.59	119.47
1	8O	425	LYS	CA-C-N	7.86	127.78	119.85
1	8O	425	LYS	C-N-CA	7.86	127.78	119.85
1	3V	202	GLU	CA-C-N	7.86	128.28	119.32
1	3V	202	GLU	C-N-CA	7.86	128.28	119.32
1	7A	226	LEU	CA-C-N	7.85	128.27	119.32
1	7A	226	LEU	C-N-CA	7.85	128.27	119.32
1	6X	153	PHE	CA-CB-CG	-7.85	105.95	113.80
1	1K	314	ASN	CA-C-N	7.85	127.57	119.56
1	1K	314	ASN	C-N-CA	7.85	127.57	119.56
1	6L	202	GLU	CA-C-N	7.85	128.27	119.32
1	6L	202	GLU	C-N-CA	7.85	128.27	119.32
1	6R	202	GLU	CA-C-N	7.85	128.27	119.32
1	6R	202	GLU	C-N-CA	7.85	128.27	119.32
1	6Q	81	ASN	CA-C-N	7.85	128.27	119.32
1	6Q	81	ASN	C-N-CA	7.85	128.27	119.32
1	1W	81	ASN	CA-C-N	7.85	128.58	119.47
1	1W	81	ASN	C-N-CA	7.85	128.58	119.47
1	6T	226	LEU	CA-C-N	7.85	127.91	119.28
1	6T	226	LEU	C-N-CA	7.85	127.91	119.28
1	6d	124	MET	CA-C-N	7.85	127.86	119.78
1	6d	124	MET	C-N-CA	7.85	127.86	119.78
1	1K	81	ASN	CA-C-N	7.85	128.57	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1K	81	ASN	C-N-CA	7.85	128.57	119.47
1	1c	81	ASN	CA-C-N	7.84	128.57	119.47
1	1c	81	ASN	C-N-CA	7.84	128.57	119.47
1	6L	153	PHE	CA-CB-CG	-7.84	105.96	113.80
1	7S	124	MET	CA-C-N	7.84	128.00	120.31
1	7S	124	MET	C-N-CA	7.84	128.00	120.31
1	3H	202	GLU	CA-C-N	7.84	128.56	119.47
1	3H	202	GLU	C-N-CA	7.84	128.56	119.47
1	6X	202	GLU	CA-C-N	7.84	128.26	119.32
1	6X	202	GLU	C-N-CA	7.84	128.26	119.32
1	8U	425	LYS	CA-C-N	7.84	127.77	119.85
1	8U	425	LYS	C-N-CA	7.84	127.77	119.85
1	6F	202	GLU	CA-C-N	7.84	128.25	119.32
1	6F	202	GLU	C-N-CA	7.84	128.25	119.32
1	7D	124	MET	CA-C-N	7.84	127.99	120.31
1	7D	124	MET	C-N-CA	7.84	127.99	120.31
1	3J	202	GLU	CA-C-N	7.84	128.25	119.32
1	3J	202	GLU	C-N-CA	7.84	128.25	119.32
1	8I	425	LYS	CA-C-N	7.84	127.77	119.85
1	8I	425	LYS	C-N-CA	7.84	127.77	119.85
1	1W	314	ASN	CA-C-N	7.83	127.55	119.56
1	1W	314	ASN	C-N-CA	7.83	127.55	119.56
1	1E	314	ASN	CA-C-N	7.83	127.55	119.56
1	1E	314	ASN	C-N-CA	7.83	127.55	119.56
1	7I	124	MET	CA-C-N	7.83	127.98	120.31
1	7I	124	MET	C-N-CA	7.83	127.98	120.31
1	6B	226	LEU	CA-C-N	7.83	127.89	119.28
1	6B	226	LEU	C-N-CA	7.83	127.89	119.28
1	6T	202	GLU	CA-C-N	7.83	128.55	119.47
1	6T	202	GLU	C-N-CA	7.83	128.55	119.47
1	6B	202	GLU	CA-C-N	7.82	128.54	119.47
1	6B	202	GLU	C-N-CA	7.82	128.54	119.47
1	6N	202	GLU	CA-C-N	7.82	128.55	119.47
1	6N	202	GLU	C-N-CA	7.82	128.55	119.47
1	6d	153	PHE	CA-CB-CG	-7.82	105.98	113.80
1	6d	202	GLU	CA-C-N	7.82	128.23	119.32
1	6d	202	GLU	C-N-CA	7.82	128.23	119.32
1	7K	226	LEU	CA-C-N	7.82	128.23	119.32
1	7K	226	LEU	C-N-CA	7.82	128.23	119.32
1	6Z	226	LEU	CA-C-N	7.82	127.88	119.28
1	6Z	226	LEU	C-N-CA	7.82	127.88	119.28
1	7X	124	MET	CA-C-N	7.82	127.97	120.31

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7X	124	MET	C-N-CA	7.82	127.97	120.31
1	7N	124	MET	CA-C-N	7.81	127.97	120.31
1	7N	124	MET	C-N-CA	7.81	127.97	120.31
1	6R	153	PHE	CA-CB-CG	-7.81	105.99	113.80
1	6F	153	PHE	CA-CB-CG	-7.81	105.99	113.80
1	3V	406	GLY	N-CA-C	-7.81	102.55	112.54
1	6Z	202	GLU	CA-C-N	7.81	128.53	119.47
1	6Z	202	GLU	C-N-CA	7.81	128.53	119.47
1	6H	226	LEU	CA-C-N	7.80	127.86	119.28
1	6H	226	LEU	C-N-CA	7.80	127.86	119.28
1	8C	425	LYS	CA-C-N	7.80	127.73	119.85
1	8C	425	LYS	C-N-CA	7.80	127.73	119.85
1	8Q	202	GLU	CA-C-N	7.80	128.21	119.32
1	8Q	202	GLU	C-N-CA	7.80	128.21	119.32
1	4L	314	ASN	CA-C-N	7.80	127.52	119.56
1	4L	314	ASN	C-N-CA	7.80	127.52	119.56
1	1Q	314	ASN	CA-C-N	7.80	127.52	119.56
1	1Q	314	ASN	C-N-CA	7.80	127.52	119.56
1	6N	124	MET	CA-C-N	7.79	127.95	120.31
1	6N	124	MET	C-N-CA	7.79	127.95	120.31
1	6C	226	LEU	CA-C-N	7.79	127.85	119.28
1	6C	226	LEU	C-N-CA	7.79	127.85	119.28
1	1c	314	ASN	CA-C-N	7.79	127.51	119.56
1	1c	314	ASN	C-N-CA	7.79	127.51	119.56
1	4F	314	ASN	CA-C-N	7.79	127.50	119.56
1	4F	314	ASN	C-N-CA	7.79	127.50	119.56
1	8E	202	GLU	CA-C-N	7.78	128.19	119.32
1	8E	202	GLU	C-N-CA	7.78	128.19	119.32
1	8K	202	GLU	CA-C-N	7.78	128.19	119.32
1	8K	202	GLU	C-N-CA	7.78	128.19	119.32
1	4d	314	ASN	CA-C-N	7.78	127.50	119.56
1	4d	314	ASN	C-N-CA	7.78	127.50	119.56
1	6Z	124	MET	CA-C-N	7.78	127.94	120.31
1	6Z	124	MET	C-N-CA	7.78	127.94	120.31
1	8c	202	GLU	CA-C-N	7.78	128.19	119.32
1	8c	202	GLU	C-N-CA	7.78	128.19	119.32
1	4R	314	ASN	CA-C-N	7.78	127.50	119.56
1	4R	314	ASN	C-N-CA	7.78	127.50	119.56
1	2G	346	VAL	CA-C-N	7.78	127.79	119.78
1	2G	346	VAL	C-N-CA	7.78	127.79	119.78
1	3P	406	GLY	N-CA-C	-7.78	102.58	112.54
1	6S	124	MET	CA-C-N	7.78	127.79	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6S	124	MET	C-N-CA	7.78	127.79	119.78
1	6Y	124	MET	CA-C-N	7.78	127.79	119.78
1	6Y	124	MET	C-N-CA	7.78	127.79	119.78
1	3D	406	GLY	N-CA-C	-7.77	102.59	112.54
1	6B	124	MET	CA-C-N	7.77	127.93	120.31
1	6B	124	MET	C-N-CA	7.77	127.93	120.31
1	8a	425	LYS	CA-C-N	7.77	127.70	119.85
1	8a	425	LYS	C-N-CA	7.77	127.70	119.85
1	8W	202	GLU	CA-C-N	7.77	128.18	119.32
1	8W	202	GLU	C-N-CA	7.77	128.18	119.32
1	1K	124	MET	CA-C-N	7.77	128.37	120.14
1	1K	124	MET	C-N-CA	7.77	128.37	120.14
1	7V	226	LEU	CA-C-N	7.77	128.18	119.32
1	7V	226	LEU	C-N-CA	7.77	128.18	119.32
1	4X	314	ASN	CA-C-N	7.77	127.48	119.56
1	4X	314	ASN	C-N-CA	7.77	127.48	119.56
1	7G	226	LEU	CA-C-N	7.76	128.17	119.32
1	7G	226	LEU	C-N-CA	7.76	128.17	119.32
1	6T	124	MET	CA-C-N	7.76	127.92	120.31
1	6T	124	MET	C-N-CA	7.76	127.92	120.31
1	3X	81	ASN	CA-C-N	7.76	128.47	119.47
1	3X	81	ASN	C-N-CA	7.76	128.47	119.47
1	7Q	226	LEU	CA-C-N	7.76	128.17	119.32
1	7Q	226	LEU	C-N-CA	7.76	128.17	119.32
1	3b	406	GLY	N-CA-C	-7.76	102.60	112.54
1	7L	226	LEU	CA-C-N	7.76	128.17	119.32
1	7L	226	LEU	C-N-CA	7.76	128.17	119.32
1	2B	346	VAL	CA-C-N	7.76	127.77	119.78
1	2B	346	VAL	C-N-CA	7.76	127.77	119.78
1	3J	406	GLY	N-CA-C	-7.76	102.61	112.54
1	7B	226	LEU	CA-C-N	7.76	128.16	119.32
1	7B	226	LEU	C-N-CA	7.76	128.16	119.32
1	2V	346	VAL	CA-C-N	7.75	127.77	119.78
1	2V	346	VAL	C-N-CA	7.75	127.77	119.78
1	4S	346	VAL	CA-C-N	7.75	127.77	119.78
1	4S	346	VAL	C-N-CA	7.75	127.77	119.78
1	3d	81	ASN	CA-C-N	7.75	128.46	119.47
1	3d	81	ASN	C-N-CA	7.75	128.46	119.47
1	1E	124	MET	CA-C-N	7.75	128.35	120.14
1	1E	124	MET	C-N-CA	7.75	128.35	120.14
1	4G	346	VAL	CA-C-N	7.75	127.76	119.78
1	4G	346	VAL	C-N-CA	7.75	127.76	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4A	346	VAL	CA-C-N	7.74	127.75	119.78
1	4A	346	VAL	C-N-CA	7.74	127.75	119.78
1	6H	124	MET	CA-C-N	7.74	127.89	120.31
1	6H	124	MET	C-N-CA	7.74	127.89	120.31
1	6G	124	MET	CA-C-N	7.74	127.75	119.78
1	6G	124	MET	C-N-CA	7.74	127.75	119.78
1	6A	124	MET	CA-C-N	7.74	127.75	119.78
1	6A	124	MET	C-N-CA	7.74	127.75	119.78
1	2Q	346	VAL	CA-C-N	7.74	127.75	119.78
1	2Q	346	VAL	C-N-CA	7.74	127.75	119.78
1	1W	124	MET	CA-C-N	7.73	128.34	120.14
1	1W	124	MET	C-N-CA	7.73	128.34	120.14
1	1c	124	MET	CA-C-N	7.73	128.33	120.14
1	1c	124	MET	C-N-CA	7.73	128.33	120.14
1	2B	226	LEU	CA-C-N	7.72	128.13	119.32
1	2B	226	LEU	C-N-CA	7.72	128.13	119.32
1	3F	81	ASN	CA-C-N	7.72	128.43	119.47
1	3F	81	ASN	C-N-CA	7.72	128.43	119.47
1	2Q	226	LEU	CA-C-N	7.72	128.12	119.32
1	2Q	226	LEU	C-N-CA	7.72	128.12	119.32
1	4U	226	LEU	CA-C-N	7.72	129.49	119.84
1	4U	226	LEU	C-N-CA	7.72	129.49	119.84
1	7W	357	ASN	N-CA-C	-7.72	102.86	111.28
1	6V	406	GLY	N-CA-C	-7.72	103.64	112.29
1	1Q	124	MET	CA-C-N	7.72	128.32	120.14
1	1Q	124	MET	C-N-CA	7.72	128.32	120.14
1	3R	81	ASN	CA-C-N	7.72	128.42	119.47
1	3R	81	ASN	C-N-CA	7.72	128.42	119.47
1	6b	406	GLY	N-CA-C	-7.72	103.64	112.29
1	4M	346	VAL	CA-C-N	7.72	127.73	119.78
1	4M	346	VAL	C-N-CA	7.72	127.73	119.78
1	6P	406	GLY	N-CA-C	-7.72	103.65	112.29
1	4Y	346	VAL	CA-C-N	7.72	127.73	119.78
1	4Y	346	VAL	C-N-CA	7.72	127.73	119.78
1	6D	406	GLY	N-CA-C	-7.71	103.65	112.29
1	6U	346	VAL	CA-C-N	7.71	127.72	119.78
1	6U	346	VAL	C-N-CA	7.71	127.72	119.78
1	7R	357	ASN	N-CA-C	-7.71	102.88	111.28
1	7C	357	ASN	N-CA-C	-7.71	102.88	111.28
1	6J	406	GLY	N-CA-C	-7.71	103.66	112.29
1	3L	81	ASN	CA-C-N	7.70	128.40	119.47
1	3L	81	ASN	C-N-CA	7.70	128.40	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6I	19	ASP	N-CA-C	7.70	120.75	111.82
1	7H	357	ASN	N-CA-C	-7.70	102.89	111.28
1	2L	226	LEU	CA-C-N	7.70	128.09	119.32
1	2L	226	LEU	C-N-CA	7.70	128.09	119.32
1	1J	81	ASN	CA-C-N	7.70	128.40	119.47
1	1J	81	ASN	C-N-CA	7.70	128.40	119.47
1	6C	19	ASP	N-CA-C	7.69	120.74	111.82
1	2L	346	VAL	CA-C-N	7.69	127.70	119.78
1	2L	346	VAL	C-N-CA	7.69	127.70	119.78
1	1b	81	ASN	CA-C-N	7.69	128.39	119.47
1	1b	81	ASN	C-N-CA	7.69	128.39	119.47
1	2V	226	LEU	CA-C-N	7.69	128.09	119.32
1	2V	226	LEU	C-N-CA	7.69	128.09	119.32
1	1D	81	ASN	CA-C-N	7.69	128.39	119.47
1	1D	81	ASN	C-N-CA	7.69	128.39	119.47
1	7M	357	ASN	N-CA-C	-7.69	102.90	111.28
1	2G	226	LEU	CA-C-N	7.69	128.08	119.32
1	2G	226	LEU	C-N-CA	7.69	128.08	119.32
1	6U	19	ASP	N-CA-C	7.69	120.74	111.82
1	4C	226	LEU	CA-C-N	7.68	129.45	119.84
1	4C	226	LEU	C-N-CA	7.68	129.45	119.84
1	1P	81	ASN	CA-C-N	7.68	128.38	119.47
1	1P	81	ASN	C-N-CA	7.68	128.38	119.47
1	3T	314	ASN	CA-C-N	7.68	127.40	119.64
1	3T	314	ASN	C-N-CA	7.68	127.40	119.64
1	6b	202	GLU	CA-C-N	7.68	129.45	119.84
1	6b	202	GLU	C-N-CA	7.68	129.45	119.84
1	6D	202	GLU	CA-C-N	7.68	129.44	119.84
1	6D	202	GLU	C-N-CA	7.68	129.44	119.84
1	3J	81	ASN	CA-C-N	7.68	128.38	119.47
1	3J	81	ASN	C-N-CA	7.68	128.38	119.47
1	6O	19	ASP	N-CA-C	7.68	120.73	111.82
1	6M	124	MET	CA-C-N	7.68	127.69	119.78
1	6M	124	MET	C-N-CA	7.68	127.69	119.78
1	4a	226	LEU	CA-C-N	7.68	129.44	119.84
1	4a	226	LEU	C-N-CA	7.68	129.44	119.84
1	6C	346	VAL	CA-C-N	7.68	127.69	119.78
1	6C	346	VAL	C-N-CA	7.68	127.69	119.78
1	1V	81	ASN	CA-C-N	7.68	128.37	119.47
1	1V	81	ASN	C-N-CA	7.68	128.37	119.47
1	4I	226	LEU	CA-C-N	7.67	129.43	119.84
1	4I	226	LEU	C-N-CA	7.67	129.43	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4O	226	LEU	CA-C-N	7.67	129.43	119.84
1	4O	226	LEU	C-N-CA	7.67	129.43	119.84
1	1U	314	ASN	CA-C-N	7.67	127.39	119.64
1	1U	314	ASN	C-N-CA	7.67	127.39	119.64
1	6J	202	GLU	CA-C-N	7.67	129.43	119.84
1	6J	202	GLU	C-N-CA	7.67	129.43	119.84
1	3B	81	ASN	CA-C-N	7.67	128.06	119.32
1	3B	81	ASN	C-N-CA	7.67	128.06	119.32
1	3b	81	ASN	CA-C-N	7.67	128.36	119.47
1	3b	81	ASN	C-N-CA	7.67	128.36	119.47
1	3V	81	ASN	CA-C-N	7.67	128.36	119.47
1	3V	81	ASN	C-N-CA	7.67	128.36	119.47
1	4W	124	MET	CA-C-N	7.66	127.59	119.85
1	4W	124	MET	C-N-CA	7.66	127.59	119.85
1	3H	81	ASN	CA-C-N	7.66	128.05	119.32
1	3H	81	ASN	C-N-CA	7.66	128.05	119.32
1	3O	91	ILE	CA-C-N	7.66	127.70	119.28
1	3O	91	ILE	C-N-CA	7.66	127.70	119.28
1	3D	81	ASN	CA-C-N	7.66	128.35	119.47
1	3D	81	ASN	C-N-CA	7.66	128.35	119.47
1	6a	19	ASP	N-CA-C	7.66	120.70	111.82
1	5R	406	GLY	N-CA-C	-7.66	103.13	111.93
1	6O	346	VAL	CA-C-N	7.66	127.66	119.78
1	6O	346	VAL	C-N-CA	7.66	127.66	119.78
1	6P	202	GLU	CA-C-N	7.66	129.41	119.84
1	6P	202	GLU	C-N-CA	7.66	129.41	119.84
1	6a	346	VAL	CA-C-N	7.66	127.67	119.78
1	6a	346	VAL	C-N-CA	7.66	127.67	119.78
1	6I	346	VAL	CA-C-N	7.65	127.66	119.78
1	6I	346	VAL	C-N-CA	7.65	127.66	119.78
1	1C	314	ASN	CA-C-N	7.65	127.36	119.64
1	1C	314	ASN	C-N-CA	7.65	127.36	119.64
1	3P	81	ASN	CA-C-N	7.65	128.34	119.47
1	3P	81	ASN	C-N-CA	7.65	128.34	119.47
1	6V	202	GLU	CA-C-N	7.65	129.40	119.84
1	6V	202	GLU	C-N-CA	7.65	129.40	119.84
1	1a	314	ASN	CA-C-N	7.65	127.36	119.64
1	1a	314	ASN	C-N-CA	7.65	127.36	119.64
1	8W	226	LEU	CA-C-N	7.64	129.40	119.84
1	8W	226	LEU	C-N-CA	7.64	129.40	119.84
1	1O	314	ASN	CA-C-N	7.64	127.36	119.64
1	1O	314	ASN	C-N-CA	7.64	127.36	119.64

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3N	81	ASN	CA-C-N	7.64	128.03	119.32
1	3N	81	ASN	C-N-CA	7.64	128.03	119.32
1	7L	124	MET	CA-C-N	7.64	127.63	119.76
1	7L	124	MET	C-N-CA	7.64	127.63	119.76
1	7J	335	PHE	N-CA-C	-7.64	99.15	110.46
1	5X	406	GLY	N-CA-C	-7.64	103.14	111.93
1	3Z	314	ASN	CA-C-N	7.64	127.36	119.64
1	3Z	314	ASN	C-N-CA	7.64	127.36	119.64
1	3B	314	ASN	CA-C-N	7.64	127.35	119.64
1	3B	314	ASN	C-N-CA	7.64	127.35	119.64
1	6P	226	LEU	CA-C-N	7.64	127.68	119.28
1	6P	226	LEU	C-N-CA	7.64	127.68	119.28
1	7T	335	PHE	N-CA-C	-7.64	99.16	110.46
1	6b	226	LEU	CA-C-N	7.63	127.68	119.28
1	6b	226	LEU	C-N-CA	7.63	127.68	119.28
1	7O	335	PHE	N-CA-C	-7.63	99.16	110.46
1	3Z	81	ASN	CA-C-N	7.63	128.02	119.32
1	3Z	81	ASN	C-N-CA	7.63	128.02	119.32
1	3C	91	ILE	CA-C-N	7.63	127.67	119.28
1	3C	91	ILE	C-N-CA	7.63	127.67	119.28
1	6D	226	LEU	CA-C-N	7.63	127.67	119.28
1	6D	226	LEU	C-N-CA	7.63	127.67	119.28
1	7Y	335	PHE	N-CA-C	-7.63	99.17	110.46
1	7E	335	PHE	N-CA-C	-7.63	99.17	110.46
1	1I	314	ASN	CA-C-N	7.63	127.34	119.64
1	1I	314	ASN	C-N-CA	7.63	127.34	119.64
1	2F	202	GLU	CA-C-N	7.63	129.37	119.84
1	2F	202	GLU	C-N-CA	7.63	129.37	119.84
1	4E	124	MET	CA-C-N	7.62	127.55	119.85
1	4E	124	MET	C-N-CA	7.62	127.55	119.85
1	3H	314	ASN	CA-C-N	7.62	127.34	119.64
1	3H	314	ASN	C-N-CA	7.62	127.34	119.64
1	5L	406	GLY	N-CA-C	-7.62	103.16	111.93
1	8Q	226	LEU	CA-C-N	7.62	129.37	119.84
1	8Q	226	LEU	C-N-CA	7.62	129.37	119.84
1	7Y	91	ILE	CA-C-N	7.62	127.80	119.87
1	7Y	91	ILE	C-N-CA	7.62	127.80	119.87
1	3T	81	ASN	CA-C-N	7.62	128.01	119.32
1	3T	81	ASN	C-N-CA	7.62	128.01	119.32
1	5F	406	GLY	N-CA-C	-7.62	103.17	111.93
1	6J	226	LEU	CA-C-N	7.62	127.66	119.28
1	6J	226	LEU	C-N-CA	7.62	127.66	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8K	226	LEU	CA-C-N	7.62	129.36	119.84
1	8K	226	LEU	C-N-CA	7.62	129.36	119.84
1	3N	314	ASN	CA-C-N	7.62	127.33	119.64
1	3N	314	ASN	C-N-CA	7.62	127.33	119.64
1	1X	81	ASN	CA-C-N	7.61	128.30	119.47
1	1X	81	ASN	C-N-CA	7.61	128.30	119.47
1	3a	91	ILE	CA-C-N	7.61	127.65	119.28
1	3a	91	ILE	C-N-CA	7.61	127.65	119.28
1	3b	124	MET	CA-C-N	7.61	127.54	119.85
1	3b	124	MET	C-N-CA	7.61	127.54	119.85
1	1F	81	ASN	CA-C-N	7.61	128.29	119.47
1	1F	81	ASN	C-N-CA	7.61	128.29	119.47
1	8E	226	LEU	CA-C-N	7.61	129.35	119.84
1	8E	226	LEU	C-N-CA	7.61	129.35	119.84
1	2X	335	PHE	N-CA-C	-7.61	99.20	110.46
1	3I	91	ILE	CA-C-N	7.60	127.64	119.28
1	3I	91	ILE	C-N-CA	7.60	127.64	119.28
1	7O	314	ASN	CA-C-N	7.60	127.32	119.56
1	7O	314	ASN	C-N-CA	7.60	127.32	119.56
1	8c	226	LEU	CA-C-N	7.60	129.34	119.84
1	8c	226	LEU	C-N-CA	7.60	129.34	119.84
1	5d	406	GLY	N-CA-C	-7.60	103.19	111.93
1	3U	91	ILE	CA-C-N	7.60	127.64	119.28
1	3U	91	ILE	C-N-CA	7.60	127.64	119.28
1	1d	81	ASN	CA-C-N	7.60	128.28	119.47
1	1d	81	ASN	C-N-CA	7.60	128.28	119.47
1	2A	202	GLU	CA-C-N	7.59	129.33	119.84
1	2A	202	GLU	C-N-CA	7.59	129.33	119.84
1	4Q	124	MET	CA-C-N	7.59	127.52	119.85
1	4Q	124	MET	C-N-CA	7.59	127.52	119.85
1	3J	124	MET	CA-C-N	7.59	127.52	119.85
1	3J	124	MET	C-N-CA	7.59	127.52	119.85
1	1R	81	ASN	CA-C-N	7.59	128.28	119.47
1	1R	81	ASN	C-N-CA	7.59	128.28	119.47
1	2S	335	PHE	N-CA-C	-7.59	99.22	110.46
1	4K	124	MET	CA-C-N	7.59	127.52	119.85
1	4K	124	MET	C-N-CA	7.59	127.52	119.85
1	2U	202	GLU	CA-C-N	7.59	129.33	119.84
1	2U	202	GLU	C-N-CA	7.59	129.33	119.84
1	7E	91	ILE	CA-C-N	7.59	127.76	119.87
1	7E	91	ILE	C-N-CA	7.59	127.76	119.87
1	9C	438	ARG	CA-C-N	7.59	127.60	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	9C	438	ARG	C-N-CA	7.59	127.60	119.78
1	7Q	124	MET	CA-C-N	7.59	127.57	119.76
1	7Q	124	MET	C-N-CA	7.59	127.57	119.76
1	2D	335	PHE	N-CA-C	-7.58	99.23	110.46
1	2N	335	PHE	N-CA-C	-7.58	99.23	110.46
1	7J	91	ILE	CA-C-N	7.58	127.76	119.87
1	7J	91	ILE	C-N-CA	7.58	127.76	119.87
1	2K	202	GLU	CA-C-N	7.58	129.32	119.84
1	2K	202	GLU	C-N-CA	7.58	129.32	119.84
1	6V	226	LEU	CA-C-N	7.58	127.62	119.28
1	6V	226	LEU	C-N-CA	7.58	127.62	119.28
1	5M	425	LYS	CA-C-N	7.58	127.51	119.85
1	5M	425	LYS	C-N-CA	7.58	127.51	119.85
1	3V	124	MET	CA-C-N	7.58	127.51	119.85
1	3V	124	MET	C-N-CA	7.58	127.51	119.85
1	2I	335	PHE	N-CA-C	-7.58	99.24	110.46
1	8S	124	MET	CA-C-N	7.58	128.18	120.14
1	8S	124	MET	C-N-CA	7.58	128.18	120.14
1	7B	124	MET	CA-C-N	7.58	127.57	119.76
1	7B	124	MET	C-N-CA	7.58	127.57	119.76
1	7E	314	ASN	CA-C-N	7.58	127.29	119.56
1	7E	314	ASN	C-N-CA	7.58	127.29	119.56
1	7T	314	ASN	CA-C-N	7.58	127.29	119.56
1	7T	314	ASN	C-N-CA	7.58	127.29	119.56
1	9D	438	ARG	CA-C-N	7.58	127.59	119.78
1	9D	438	ARG	C-N-CA	7.58	127.59	119.78
1	4c	124	MET	CA-C-N	7.58	127.50	119.85
1	4c	124	MET	C-N-CA	7.58	127.50	119.85
1	4W	346	VAL	CA-C-N	7.58	127.53	120.03
1	4W	346	VAL	C-N-CA	7.58	127.53	120.03
1	6D	36	VAL	CA-C-N	7.57	127.28	119.56
1	6D	36	VAL	C-N-CA	7.57	127.28	119.56
1	7T	91	ILE	CA-C-N	7.57	127.75	119.87
1	7T	91	ILE	C-N-CA	7.57	127.75	119.87
1	1L	81	ASN	CA-C-N	7.57	128.25	119.47
1	1L	81	ASN	C-N-CA	7.57	128.25	119.47
1	7V	124	MET	CA-C-N	7.57	127.56	119.76
1	7V	124	MET	C-N-CA	7.57	127.56	119.76
1	9E	438	ARG	CA-C-N	7.57	127.58	119.78
1	9E	438	ARG	C-N-CA	7.57	127.58	119.78
1	8A	124	MET	CA-C-N	7.57	128.16	120.14
1	8A	124	MET	C-N-CA	7.57	128.16	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7J	314	ASN	CA-C-N	7.57	127.28	119.56
1	7J	314	ASN	C-N-CA	7.57	127.28	119.56
1	7O	91	ILE	CA-C-N	7.57	127.74	119.87
1	7O	91	ILE	C-N-CA	7.57	127.74	119.87
1	7Y	314	ASN	CA-C-N	7.56	127.28	119.56
1	7Y	314	ASN	C-N-CA	7.56	127.28	119.56
1	6P	36	VAL	CA-C-N	7.56	127.27	119.56
1	6P	36	VAL	C-N-CA	7.56	127.27	119.56
1	6J	36	VAL	CA-C-N	7.56	127.27	119.56
1	6J	36	VAL	C-N-CA	7.56	127.27	119.56
1	3D	124	MET	CA-C-N	7.56	127.48	119.85
1	3D	124	MET	C-N-CA	7.56	127.48	119.85
1	2P	202	GLU	CA-C-N	7.55	129.28	119.84
1	2P	202	GLU	C-N-CA	7.55	129.28	119.84
1	5d	226	LEU	CA-C-N	7.55	129.28	119.84
1	5d	226	LEU	C-N-CA	7.55	129.28	119.84
1	6b	124	MET	CA-C-N	7.55	127.56	119.78
1	6b	124	MET	C-N-CA	7.55	127.56	119.78
1	5G	425	LYS	CA-C-N	7.55	127.48	119.85
1	5G	425	LYS	C-N-CA	7.55	127.48	119.85
1	7G	124	MET	CA-C-N	7.55	127.54	119.76
1	7G	124	MET	C-N-CA	7.55	127.54	119.76
1	6W	124	MET	CA-C-N	7.55	127.56	119.78
1	6W	124	MET	C-N-CA	7.55	127.56	119.78
1	5X	226	LEU	CA-C-N	7.55	129.28	119.84
1	5X	226	LEU	C-N-CA	7.55	129.28	119.84
1	5F	226	LEU	CA-C-N	7.55	129.27	119.84
1	5F	226	LEU	C-N-CA	7.55	129.27	119.84
1	9A	438	ARG	CA-C-N	7.55	127.55	119.78
1	9A	438	ARG	C-N-CA	7.55	127.55	119.78
1	4G	124	MET	CA-C-N	7.55	127.47	119.85
1	4G	124	MET	C-N-CA	7.55	127.47	119.85
1	5S	425	LYS	CA-C-N	7.55	127.47	119.85
1	5S	425	LYS	C-N-CA	7.55	127.47	119.85
1	1J	425	LYS	CA-C-N	7.54	127.47	119.85
1	1J	425	LYS	C-N-CA	7.54	127.47	119.85
1	5Q	438	ARG	CA-C-N	7.54	127.58	119.89
1	5Q	438	ARG	C-N-CA	7.54	127.58	119.89
1	8S	91	ILE	CA-C-N	7.54	129.27	119.84
1	8S	91	ILE	C-N-CA	7.54	129.27	119.84
1	6c	124	MET	CA-C-N	7.54	127.55	119.78
1	6c	124	MET	C-N-CA	7.54	127.55	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	9B	438	ARG	CA-C-N	7.54	127.55	119.78
1	9B	438	ARG	C-N-CA	7.54	127.55	119.78
1	3P	124	MET	CA-C-N	7.54	127.47	119.85
1	3P	124	MET	C-N-CA	7.54	127.47	119.85
1	5A	425	LYS	CA-C-N	7.54	127.46	119.85
1	5A	425	LYS	C-N-CA	7.54	127.46	119.85
1	6P	124	MET	CA-C-N	7.54	127.55	119.78
1	6P	124	MET	C-N-CA	7.54	127.55	119.78
1	5Y	425	LYS	CA-C-N	7.54	127.46	119.85
1	5Y	425	LYS	C-N-CA	7.54	127.46	119.85
1	4N	346	VAL	CA-C-N	7.54	127.49	120.03
1	4N	346	VAL	C-N-CA	7.54	127.49	120.03
1	5W	438	ARG	CA-C-N	7.53	127.57	119.89
1	5W	438	ARG	C-N-CA	7.53	127.57	119.89
1	6D	124	MET	CA-C-N	7.53	127.54	119.78
1	6D	124	MET	C-N-CA	7.53	127.54	119.78
1	4M	124	MET	CA-C-N	7.53	127.46	119.85
1	4M	124	MET	C-N-CA	7.53	127.46	119.85
1	6E	124	MET	CA-C-N	7.53	127.53	119.78
1	6E	124	MET	C-N-CA	7.53	127.53	119.78
1	5E	226	LEU	CA-C-N	7.53	129.25	119.84
1	5E	226	LEU	C-N-CA	7.53	129.25	119.84
1	5L	226	LEU	CA-C-N	7.53	129.25	119.84
1	5L	226	LEU	C-N-CA	7.53	129.25	119.84
1	4Q	346	VAL	CA-C-N	7.53	127.48	120.03
1	4Q	346	VAL	C-N-CA	7.53	127.48	120.03
1	5W	226	LEU	CA-C-N	7.53	129.25	119.84
1	5W	226	LEU	C-N-CA	7.53	129.25	119.84
1	8Y	91	ILE	CA-C-N	7.53	129.25	119.84
1	8Y	91	ILE	C-N-CA	7.53	129.25	119.84
1	8Y	124	MET	CA-C-N	7.53	128.12	120.14
1	8Y	124	MET	C-N-CA	7.53	128.12	120.14
1	6J	124	MET	CA-C-N	7.52	127.53	119.78
1	6J	124	MET	C-N-CA	7.52	127.53	119.78
1	6b	36	VAL	CA-C-N	7.52	127.23	119.56
1	6b	36	VAL	C-N-CA	7.52	127.23	119.56
1	8A	91	ILE	CA-C-N	7.52	129.24	119.84
1	8A	91	ILE	C-N-CA	7.52	129.24	119.84
1	1P	425	LYS	CA-C-N	7.52	127.45	119.85
1	1P	425	LYS	C-N-CA	7.52	127.45	119.85
1	6Q	124	MET	CA-C-N	7.52	127.53	119.78
1	6Q	124	MET	C-N-CA	7.52	127.53	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6V	36	VAL	CA-C-N	7.52	127.23	119.56
1	6V	36	VAL	C-N-CA	7.52	127.23	119.56
1	4B	346	VAL	CA-C-N	7.52	127.47	120.03
1	4B	346	VAL	C-N-CA	7.52	127.47	120.03
1	4E	346	VAL	CA-C-N	7.52	127.47	120.03
1	4E	346	VAL	C-N-CA	7.52	127.47	120.03
1	6V	124	MET	CA-C-N	7.52	127.52	119.78
1	6V	124	MET	C-N-CA	7.52	127.52	119.78
1	1b	202	GLU	CA-C-N	7.52	127.89	119.32
1	1b	202	GLU	C-N-CA	7.52	127.89	119.32
1	5c	226	LEU	CA-C-N	7.52	129.24	119.84
1	5c	226	LEU	C-N-CA	7.52	129.24	119.84
1	2H	226	LEU	CA-C-N	7.51	127.89	119.32
1	2H	226	LEU	C-N-CA	7.51	127.89	119.32
1	5E	438	ARG	CA-C-N	7.51	127.55	119.89
1	5E	438	ARG	C-N-CA	7.51	127.55	119.89
1	8G	124	MET	CA-C-N	7.51	128.10	120.14
1	8G	124	MET	C-N-CA	7.51	128.10	120.14
1	1D	202	GLU	CA-C-N	7.51	127.88	119.32
1	1D	202	GLU	C-N-CA	7.51	127.88	119.32
1	1P	202	GLU	CA-C-N	7.51	127.88	119.32
1	1P	202	GLU	C-N-CA	7.51	127.88	119.32
1	8M	124	MET	CA-C-N	7.51	128.10	120.14
1	8M	124	MET	C-N-CA	7.51	128.10	120.14
1	3T	346	VAL	CA-C-N	7.51	127.51	119.78
1	3T	346	VAL	C-N-CA	7.51	127.51	119.78
1	6K	124	MET	CA-C-N	7.51	127.51	119.78
1	6K	124	MET	C-N-CA	7.51	127.51	119.78
1	3N	346	VAL	CA-C-N	7.51	127.51	119.78
1	3N	346	VAL	C-N-CA	7.51	127.51	119.78
1	5R	226	LEU	CA-C-N	7.51	129.23	119.84
1	5R	226	LEU	C-N-CA	7.51	129.23	119.84
1	4Z	346	VAL	CA-C-N	7.51	127.46	120.03
1	4Z	346	VAL	C-N-CA	7.51	127.46	120.03
1	4A	124	MET	CA-C-N	7.51	127.43	119.85
1	4A	124	MET	C-N-CA	7.51	127.43	119.85
1	7P	202	GLU	CA-C-N	7.50	129.22	119.84
1	7P	202	GLU	C-N-CA	7.50	129.22	119.84
1	3H	346	VAL	CA-C-N	7.50	127.51	119.78
1	3H	346	VAL	C-N-CA	7.50	127.51	119.78
1	5Q	226	LEU	CA-C-N	7.50	129.22	119.84
1	5Q	226	LEU	C-N-CA	7.50	129.22	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4c	346	VAL	CA-C-N	7.50	127.46	120.03
1	4c	346	VAL	C-N-CA	7.50	127.46	120.03
1	4N	226	LEU	CA-C-N	7.50	127.87	119.32
1	4N	226	LEU	C-N-CA	7.50	127.87	119.32
1	4S	124	MET	CA-C-N	7.50	127.42	119.85
1	4S	124	MET	C-N-CA	7.50	127.42	119.85
1	4Z	226	LEU	CA-C-N	7.50	127.87	119.32
1	4Z	226	LEU	C-N-CA	7.50	127.87	119.32
1	5c	438	ARG	CA-C-N	7.50	127.54	119.89
1	5c	438	ARG	C-N-CA	7.50	127.54	119.89
1	5K	226	LEU	CA-C-N	7.50	129.21	119.84
1	5K	226	LEU	C-N-CA	7.50	129.21	119.84
1	8G	91	ILE	CA-C-N	7.50	129.21	119.84
1	8G	91	ILE	C-N-CA	7.50	129.21	119.84
1	2L	314	ASN	CA-C-N	7.50	127.21	119.56
1	2L	314	ASN	C-N-CA	7.50	127.21	119.56
1	2M	226	LEU	CA-C-N	7.50	127.87	119.32
1	2M	226	LEU	C-N-CA	7.50	127.87	119.32
1	2G	314	ASN	CA-C-N	7.50	127.20	119.56
1	2G	314	ASN	C-N-CA	7.50	127.20	119.56
1	4T	346	VAL	CA-C-N	7.50	127.45	120.03
1	4T	346	VAL	C-N-CA	7.50	127.45	120.03
1	7F	202	GLU	CA-C-N	7.49	129.21	119.84
1	7F	202	GLU	C-N-CA	7.49	129.21	119.84
1	3B	346	VAL	CA-C-N	7.49	127.50	119.78
1	3B	346	VAL	C-N-CA	7.49	127.50	119.78
1	7A	202	GLU	CA-C-N	7.49	129.21	119.84
1	7A	202	GLU	C-N-CA	7.49	129.21	119.84
1	5K	438	ARG	CA-C-N	7.49	127.53	119.89
1	5K	438	ARG	C-N-CA	7.49	127.53	119.89
1	1V	425	LYS	CA-C-N	7.49	127.42	119.85
1	1V	425	LYS	C-N-CA	7.49	127.42	119.85
1	1d	354	VAL	N-CA-C	-7.49	98.95	108.84
1	4Y	124	MET	CA-C-N	7.49	127.42	119.85
1	4Y	124	MET	C-N-CA	7.49	127.42	119.85
1	3Z	346	VAL	CA-C-N	7.49	127.50	119.78
1	3Z	346	VAL	C-N-CA	7.49	127.50	119.78
1	4H	226	LEU	CA-C-N	7.49	127.86	119.32
1	4H	226	LEU	C-N-CA	7.49	127.86	119.32
1	4H	346	VAL	CA-C-N	7.49	127.44	120.03
1	4H	346	VAL	C-N-CA	7.49	127.44	120.03
1	4K	346	VAL	CA-C-N	7.49	127.44	120.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4K	346	VAL	C-N-CA	7.49	127.44	120.03
1	1X	354	VAL	N-CA-C	-7.49	98.96	108.84
1	2R	226	LEU	CA-C-N	7.49	127.86	119.32
1	2R	226	LEU	C-N-CA	7.49	127.86	119.32
1	7K	202	GLU	CA-C-N	7.49	129.20	119.84
1	7K	202	GLU	C-N-CA	7.49	129.20	119.84
1	7U	202	GLU	CA-C-N	7.49	129.20	119.84
1	7U	202	GLU	C-N-CA	7.49	129.20	119.84
1	1F	354	VAL	N-CA-C	-7.48	98.96	108.84
1	2C	226	LEU	CA-C-N	7.48	127.85	119.32
1	2C	226	LEU	C-N-CA	7.48	127.85	119.32
1	1b	425	LYS	CA-C-N	7.48	127.41	119.85
1	1b	425	LYS	C-N-CA	7.48	127.41	119.85
1	2B	314	ASN	CA-C-N	7.48	127.19	119.56
1	2B	314	ASN	C-N-CA	7.48	127.19	119.56
1	1R	354	VAL	N-CA-C	-7.48	98.97	108.84
1	1L	354	VAL	N-CA-C	-7.48	98.97	108.84
1	6T	425	LYS	CA-C-N	7.48	127.40	119.85
1	6T	425	LYS	C-N-CA	7.48	127.40	119.85
1	1V	202	GLU	CA-C-N	7.48	127.84	119.32
1	1V	202	GLU	C-N-CA	7.48	127.84	119.32
1	3S	81	ASN	CA-C-N	7.48	127.11	119.56
1	3S	81	ASN	C-N-CA	7.48	127.11	119.56
1	6Z	425	LYS	CA-C-N	7.48	127.40	119.85
1	6Z	425	LYS	C-N-CA	7.48	127.40	119.85
1	4B	226	LEU	CA-C-N	7.48	127.84	119.32
1	4B	226	LEU	C-N-CA	7.48	127.84	119.32
1	3M	81	ASN	CA-C-N	7.47	127.11	119.56
1	3M	81	ASN	C-N-CA	7.47	127.11	119.56
1	5Q	314	ASN	CA-C-N	7.47	129.18	119.84
1	5Q	314	ASN	C-N-CA	7.47	129.18	119.84
1	1D	425	LYS	CA-C-N	7.47	127.39	119.85
1	1D	425	LYS	C-N-CA	7.47	127.39	119.85
1	8M	91	ILE	CA-C-N	7.47	129.18	119.84
1	8M	91	ILE	C-N-CA	7.47	129.18	119.84
1	2W	226	LEU	CA-C-N	7.47	127.83	119.32
1	2W	226	LEU	C-N-CA	7.47	127.83	119.32
1	2Q	314	ASN	CA-C-N	7.46	127.17	119.56
1	2Q	314	ASN	C-N-CA	7.46	127.17	119.56
1	5X	314	ASN	CA-C-N	7.46	127.63	119.87
1	5X	314	ASN	C-N-CA	7.46	127.63	119.87
1	3Y	81	ASN	CA-C-N	7.46	127.10	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3Y	81	ASN	C-N-CA	7.46	127.10	119.56
1	3A	81	ASN	CA-C-N	7.46	127.09	119.56
1	3A	81	ASN	C-N-CA	7.46	127.09	119.56
1	5R	314	ASN	CA-C-N	7.46	127.63	119.87
1	5R	314	ASN	C-N-CA	7.46	127.63	119.87
1	2H	314	ASN	CA-C-N	7.46	127.17	119.56
1	2H	314	ASN	C-N-CA	7.46	127.17	119.56
1	3G	81	ASN	CA-C-N	7.46	127.09	119.56
1	3G	81	ASN	C-N-CA	7.46	127.09	119.56
1	5W	314	ASN	CA-C-N	7.45	129.16	119.84
1	5W	314	ASN	C-N-CA	7.45	129.16	119.84
1	5c	314	ASN	CA-C-N	7.45	129.15	119.84
1	5c	314	ASN	C-N-CA	7.45	129.15	119.84
1	6N	425	LYS	CA-C-N	7.45	127.37	119.85
1	6N	425	LYS	C-N-CA	7.45	127.37	119.85
1	1J	202	GLU	CA-C-N	7.45	127.81	119.32
1	1J	202	GLU	C-N-CA	7.45	127.81	119.32
1	4T	226	LEU	CA-C-N	7.44	127.81	119.32
1	4T	226	LEU	C-N-CA	7.44	127.81	119.32
1	6B	425	LYS	CA-C-N	7.44	127.36	119.85
1	6B	425	LYS	C-N-CA	7.44	127.36	119.85
1	1K	226	LEU	CA-C-N	7.43	129.13	119.84
1	1K	226	LEU	C-N-CA	7.43	129.13	119.84
1	6H	425	LYS	CA-C-N	7.43	127.36	119.85
1	6H	425	LYS	C-N-CA	7.43	127.36	119.85
1	2V	314	ASN	CA-C-N	7.43	127.14	119.56
1	2V	314	ASN	C-N-CA	7.43	127.14	119.56
1	5E	314	ASN	CA-C-N	7.43	129.13	119.84
1	5E	314	ASN	C-N-CA	7.43	129.13	119.84
1	5K	314	ASN	CA-C-N	7.43	129.13	119.84
1	5K	314	ASN	C-N-CA	7.43	129.13	119.84
1	6L	81	ASN	CA-C-N	7.43	128.09	119.47
1	6L	81	ASN	C-N-CA	7.43	128.09	119.47
1	1Q	226	LEU	CA-C-N	7.43	129.12	119.84
1	1Q	226	LEU	C-N-CA	7.43	129.12	119.84
1	5F	314	ASN	CA-C-N	7.42	127.59	119.87
1	5F	314	ASN	C-N-CA	7.42	127.59	119.87
1	2O	226	LEU	CA-C-N	7.42	127.47	119.90
1	2O	226	LEU	C-N-CA	7.42	127.47	119.90
1	6R	81	ASN	CA-C-N	7.42	128.08	119.47
1	6R	81	ASN	C-N-CA	7.42	128.08	119.47
1	2Y	226	LEU	CA-C-N	7.42	127.47	119.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2Y	226	LEU	C-N-CA	7.42	127.47	119.90
1	6F	81	ASN	CA-C-N	7.42	128.08	119.47
1	6F	81	ASN	C-N-CA	7.42	128.08	119.47
1	2C	314	ASN	CA-C-N	7.42	127.13	119.56
1	2C	314	ASN	C-N-CA	7.42	127.13	119.56
1	2E	226	LEU	CA-C-N	7.42	127.47	119.90
1	2E	226	LEU	C-N-CA	7.42	127.47	119.90
1	2W	314	ASN	CA-C-N	7.42	127.12	119.56
1	2W	314	ASN	C-N-CA	7.42	127.12	119.56
1	5I	202	GLU	CA-C-N	7.42	128.07	119.47
1	5I	202	GLU	C-N-CA	7.42	128.07	119.47
1	5d	314	ASN	CA-C-N	7.41	127.58	119.87
1	5d	314	ASN	C-N-CA	7.41	127.58	119.87
1	2T	226	LEU	CA-C-N	7.41	127.46	119.90
1	2T	226	LEU	C-N-CA	7.41	127.46	119.90
1	1E	226	LEU	CA-C-N	7.41	129.10	119.84
1	1E	226	LEU	C-N-CA	7.41	129.10	119.84
1	5C	202	GLU	CA-C-N	7.41	128.07	119.47
1	5C	202	GLU	C-N-CA	7.41	128.07	119.47
1	5O	202	GLU	CA-C-N	7.41	128.07	119.47
1	5O	202	GLU	C-N-CA	7.41	128.07	119.47
1	1W	226	LEU	CA-C-N	7.41	129.10	119.84
1	1W	226	LEU	C-N-CA	7.41	129.10	119.84
1	6X	81	ASN	CA-C-N	7.41	128.06	119.47
1	6X	81	ASN	C-N-CA	7.41	128.06	119.47
1	1Z	226	LEU	CA-C-N	7.41	129.10	119.84
1	1Z	226	LEU	C-N-CA	7.41	129.10	119.84
1	5L	314	ASN	CA-C-N	7.40	127.57	119.87
1	5L	314	ASN	C-N-CA	7.40	127.57	119.87
1	7R	226	LEU	CA-C-N	7.40	127.75	119.32
1	7R	226	LEU	C-N-CA	7.40	127.75	119.32
1	1H	226	LEU	CA-C-N	7.40	129.09	119.84
1	1H	226	LEU	C-N-CA	7.40	129.09	119.84
1	6N	81	ASN	CA-C-N	7.40	128.05	119.47
1	6N	81	ASN	C-N-CA	7.40	128.05	119.47
1	2J	226	LEU	CA-C-N	7.39	127.44	119.90
1	2J	226	LEU	C-N-CA	7.39	127.44	119.90
1	2M	314	ASN	CA-C-N	7.39	127.10	119.56
1	2M	314	ASN	C-N-CA	7.39	127.10	119.56
1	2R	314	ASN	CA-C-N	7.39	127.10	119.56
1	2R	314	ASN	C-N-CA	7.39	127.10	119.56
1	5U	202	GLU	CA-C-N	7.39	128.04	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5U	202	GLU	C-N-CA	7.39	128.04	119.47
1	6Z	81	ASN	CA-C-N	7.39	128.04	119.47
1	6Z	81	ASN	C-N-CA	7.39	128.04	119.47
1	6d	81	ASN	CA-C-N	7.39	128.04	119.47
1	6d	81	ASN	C-N-CA	7.39	128.04	119.47
1	1B	226	LEU	CA-C-N	7.38	129.07	119.84
1	1B	226	LEU	C-N-CA	7.38	129.07	119.84
1	2T	81	ASN	CA-C-N	7.38	128.03	119.47
1	2T	81	ASN	C-N-CA	7.38	128.03	119.47
1	4V	124	MET	CA-C-N	7.38	127.31	119.85
1	4V	124	MET	C-N-CA	7.38	127.31	119.85
1	6H	81	ASN	CA-C-N	7.38	128.03	119.47
1	6H	81	ASN	C-N-CA	7.38	128.03	119.47
1	4V	346	VAL	CA-C-N	7.38	127.38	119.78
1	4V	346	VAL	C-N-CA	7.38	127.38	119.78
1	1c	226	LEU	CA-C-N	7.38	129.06	119.84
1	1c	226	LEU	C-N-CA	7.38	129.06	119.84
1	5a	202	GLU	CA-C-N	7.38	128.03	119.47
1	5a	202	GLU	C-N-CA	7.38	128.03	119.47
1	2E	81	ASN	CA-C-N	7.38	128.03	119.47
1	2E	81	ASN	C-N-CA	7.38	128.03	119.47
1	1N	226	LEU	CA-C-N	7.38	129.06	119.84
1	1N	226	LEU	C-N-CA	7.38	129.06	119.84
1	7H	346	VAL	CA-C-N	7.38	127.38	119.78
1	7H	346	VAL	C-N-CA	7.38	127.38	119.78
1	4D	124	MET	CA-C-N	7.37	127.30	119.85
1	4D	124	MET	C-N-CA	7.37	127.30	119.85
1	4P	124	MET	CA-C-N	7.37	127.30	119.85
1	4P	124	MET	C-N-CA	7.37	127.30	119.85
1	2J	81	ASN	CA-C-N	7.37	128.02	119.47
1	2J	81	ASN	C-N-CA	7.37	128.02	119.47
1	7C	226	LEU	CA-C-N	7.37	127.72	119.32
1	7C	226	LEU	C-N-CA	7.37	127.72	119.32
1	8R	81	ASN	CA-C-N	7.37	128.02	119.47
1	8R	81	ASN	C-N-CA	7.37	128.02	119.47
1	7H	226	LEU	CA-C-N	7.37	127.72	119.32
1	7H	226	LEU	C-N-CA	7.37	127.72	119.32
1	2Y	81	ASN	CA-C-N	7.37	128.01	119.47
1	2Y	81	ASN	C-N-CA	7.37	128.01	119.47
1	7M	226	LEU	CA-C-N	7.36	127.71	119.32
1	7M	226	LEU	C-N-CA	7.36	127.71	119.32
1	1T	226	LEU	CA-C-N	7.36	129.04	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1T	226	LEU	C-N-CA	7.36	129.04	119.84
1	7R	346	VAL	CA-C-N	7.36	127.36	119.78
1	7R	346	VAL	C-N-CA	7.36	127.36	119.78
1	6B	81	ASN	CA-C-N	7.36	128.01	119.47
1	6B	81	ASN	C-N-CA	7.36	128.01	119.47
1	8X	81	ASN	CA-C-N	7.36	128.01	119.47
1	8X	81	ASN	C-N-CA	7.36	128.01	119.47
1	3H	226	LEU	CA-C-N	7.36	129.04	119.84
1	3H	226	LEU	C-N-CA	7.36	129.04	119.84
1	7G	438	ARG	CA-C-N	7.36	127.36	119.78
1	7G	438	ARG	C-N-CA	7.36	127.36	119.78
1	5M	346	VAL	CA-C-N	7.36	127.36	119.78
1	5M	346	VAL	C-N-CA	7.36	127.36	119.78
1	7C	346	VAL	CA-C-N	7.36	127.36	119.78
1	7C	346	VAL	C-N-CA	7.36	127.36	119.78
1	3N	226	LEU	CA-C-N	7.36	129.03	119.84
1	3N	226	LEU	C-N-CA	7.36	129.03	119.84
1	3T	124	MET	CA-C-N	7.36	127.36	119.78
1	3T	124	MET	C-N-CA	7.36	127.36	119.78
1	7Q	438	ARG	CA-C-N	7.36	127.36	119.78
1	7Q	438	ARG	C-N-CA	7.36	127.36	119.78
1	7O	202	GLU	CA-C-N	7.35	127.70	119.32
1	7O	202	GLU	C-N-CA	7.35	127.70	119.32
1	3Z	124	MET	CA-C-N	7.35	127.36	119.78
1	3Z	124	MET	C-N-CA	7.35	127.36	119.78
1	3B	226	LEU	CA-C-N	7.35	129.03	119.84
1	3B	226	LEU	C-N-CA	7.35	129.03	119.84
1	5G	346	VAL	CA-C-N	7.35	127.35	119.78
1	5G	346	VAL	C-N-CA	7.35	127.35	119.78
1	3K	425	LYS	CA-C-N	7.35	127.27	119.85
1	3K	425	LYS	C-N-CA	7.35	127.27	119.85
1	6L	36	VAL	CA-C-N	7.35	127.02	119.82
1	6L	36	VAL	C-N-CA	7.35	127.02	119.82
1	3T	226	LEU	CA-C-N	7.35	129.03	119.84
1	3T	226	LEU	C-N-CA	7.35	129.03	119.84
1	4J	124	MET	CA-C-N	7.35	127.27	119.85
1	4J	124	MET	C-N-CA	7.35	127.27	119.85
1	3N	124	MET	CA-C-N	7.35	127.35	119.78
1	3N	124	MET	C-N-CA	7.35	127.35	119.78
1	8G	36	VAL	CA-C-N	7.34	127.02	119.82
1	8G	36	VAL	C-N-CA	7.34	127.02	119.82
1	5S	346	VAL	CA-C-N	7.34	127.34	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5S	346	VAL	C-N-CA	7.34	127.34	119.78
1	3Z	226	LEU	CA-C-N	7.34	129.02	119.84
1	3Z	226	LEU	C-N-CA	7.34	129.02	119.84
1	8F	81	ASN	CA-C-N	7.34	127.98	119.47
1	8F	81	ASN	C-N-CA	7.34	127.98	119.47
1	2O	81	ASN	CA-C-N	7.34	127.99	119.47
1	2O	81	ASN	C-N-CA	7.34	127.99	119.47
1	5A	346	VAL	CA-C-N	7.34	127.34	119.78
1	5A	346	VAL	C-N-CA	7.34	127.34	119.78
1	3Q	425	LYS	CA-C-N	7.34	127.26	119.85
1	3Q	425	LYS	C-N-CA	7.34	127.26	119.85
1	3R	346	VAL	CA-C-N	7.34	127.34	119.78
1	3R	346	VAL	C-N-CA	7.34	127.34	119.78
1	5Y	346	VAL	CA-C-N	7.34	127.34	119.78
1	5Y	346	VAL	C-N-CA	7.34	127.34	119.78
1	4D	346	VAL	CA-C-N	7.34	127.34	119.78
1	4D	346	VAL	C-N-CA	7.34	127.34	119.78
1	8L	81	ASN	CA-C-N	7.34	127.98	119.47
1	8L	81	ASN	C-N-CA	7.34	127.98	119.47
1	4b	124	MET	CA-C-N	7.34	127.26	119.85
1	4b	124	MET	C-N-CA	7.34	127.26	119.85
1	8G	425	LYS	CA-C-N	7.34	127.32	119.76
1	8G	425	LYS	C-N-CA	7.34	127.32	119.76
1	6R	36	VAL	CA-C-N	7.34	127.01	119.82
1	6R	36	VAL	C-N-CA	7.34	127.01	119.82
1	7Y	202	GLU	CA-C-N	7.34	127.68	119.32
1	7Y	202	GLU	C-N-CA	7.34	127.68	119.32
1	7W	226	LEU	CA-C-N	7.33	127.68	119.32
1	7W	226	LEU	C-N-CA	7.33	127.68	119.32
1	4P	346	VAL	CA-C-N	7.33	127.33	119.78
1	4P	346	VAL	C-N-CA	7.33	127.33	119.78
1	7M	346	VAL	CA-C-N	7.33	127.33	119.78
1	7M	346	VAL	C-N-CA	7.33	127.33	119.78
1	8P	226	LEU	CA-C-N	7.33	129.01	119.84
1	8P	226	LEU	C-N-CA	7.33	129.01	119.84
1	1U	346	VAL	CA-C-N	7.33	127.33	119.78
1	1U	346	VAL	C-N-CA	7.33	127.33	119.78
1	7V	438	ARG	CA-C-N	7.33	127.33	119.78
1	7V	438	ARG	C-N-CA	7.33	127.33	119.78
1	7W	346	VAL	CA-C-N	7.33	127.33	119.78
1	7W	346	VAL	C-N-CA	7.33	127.33	119.78
1	8d	81	ASN	CA-C-N	7.33	127.97	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8d	81	ASN	C-N-CA	7.33	127.97	119.47
1	8Y	425	LYS	CA-C-N	7.33	127.31	119.76
1	8Y	425	LYS	C-N-CA	7.33	127.31	119.76
1	3E	425	LYS	CA-C-N	7.33	127.25	119.85
1	3E	425	LYS	C-N-CA	7.33	127.25	119.85
1	8A	425	LYS	CA-C-N	7.33	127.31	119.76
1	8A	425	LYS	C-N-CA	7.33	127.31	119.76
1	3H	124	MET	CA-C-N	7.33	127.33	119.78
1	3H	124	MET	C-N-CA	7.33	127.33	119.78
1	8M	425	LYS	CA-C-N	7.33	127.31	119.76
1	8M	425	LYS	C-N-CA	7.33	127.31	119.76
1	7B	438	ARG	CA-C-N	7.33	127.33	119.78
1	7B	438	ARG	C-N-CA	7.33	127.33	119.78
1	8J	226	LEU	CA-C-N	7.33	129.00	119.84
1	8J	226	LEU	C-N-CA	7.33	129.00	119.84
1	6F	36	VAL	CA-C-N	7.32	127.00	119.82
1	6F	36	VAL	C-N-CA	7.32	127.00	119.82
1	8M	36	VAL	CA-C-N	7.32	127.00	119.82
1	8M	36	VAL	C-N-CA	7.32	127.00	119.82
1	8D	226	LEU	CA-C-N	7.32	128.99	119.84
1	8D	226	LEU	C-N-CA	7.32	128.99	119.84
1	4b	346	VAL	CA-C-N	7.32	127.32	119.78
1	4b	346	VAL	C-N-CA	7.32	127.32	119.78
1	6T	81	ASN	CA-C-N	7.32	127.96	119.47
1	6T	81	ASN	C-N-CA	7.32	127.96	119.47
1	3B	124	MET	CA-C-N	7.32	127.32	119.78
1	3B	124	MET	C-N-CA	7.32	127.32	119.78
1	6S	346	VAL	CA-C-N	7.32	127.32	119.78
1	6S	346	VAL	C-N-CA	7.32	127.32	119.78
1	8S	425	LYS	CA-C-N	7.32	127.30	119.76
1	8S	425	LYS	C-N-CA	7.32	127.30	119.76
1	7E	202	GLU	CA-C-N	7.32	127.66	119.32
1	7E	202	GLU	C-N-CA	7.32	127.66	119.32
1	1a	346	VAL	CA-C-N	7.32	127.31	119.78
1	1a	346	VAL	C-N-CA	7.32	127.31	119.78
1	1C	346	VAL	CA-C-N	7.31	127.31	119.78
1	1C	346	VAL	C-N-CA	7.31	127.31	119.78
1	1O	346	VAL	CA-C-N	7.31	127.31	119.78
1	1O	346	VAL	C-N-CA	7.31	127.31	119.78
1	6M	346	VAL	CA-C-N	7.31	127.31	119.78
1	6M	346	VAL	C-N-CA	7.31	127.31	119.78
1	6d	36	VAL	CA-C-N	7.30	126.98	119.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6d	36	VAL	C-N-CA	7.30	126.98	119.82
1	8b	226	LEU	CA-C-N	7.30	128.97	119.84
1	8b	226	LEU	C-N-CA	7.30	128.97	119.84
1	2U	226	LEU	CA-C-N	7.30	127.64	119.32
1	2U	226	LEU	C-N-CA	7.30	127.64	119.32
1	7T	202	GLU	CA-C-N	7.30	127.64	119.32
1	7T	202	GLU	C-N-CA	7.30	127.64	119.32
1	8b	36	VAL	CA-C-N	7.30	127.01	119.56
1	8b	36	VAL	C-N-CA	7.30	127.01	119.56
1	7J	202	GLU	CA-C-N	7.30	127.64	119.32
1	7J	202	GLU	C-N-CA	7.30	127.64	119.32
1	8V	226	LEU	CA-C-N	7.30	128.96	119.84
1	8V	226	LEU	C-N-CA	7.30	128.96	119.84
1	8A	36	VAL	CA-C-N	7.30	126.97	119.82
1	8A	36	VAL	C-N-CA	7.30	126.97	119.82
1	3c	425	LYS	CA-C-N	7.30	127.22	119.85
1	3c	425	LYS	C-N-CA	7.30	127.22	119.85
1	3d	346	VAL	CA-C-N	7.30	127.30	119.78
1	3d	346	VAL	C-N-CA	7.30	127.30	119.78
1	7L	438	ARG	CA-C-N	7.29	127.29	119.78
1	7L	438	ARG	C-N-CA	7.29	127.29	119.78
1	2J	124	MET	CA-C-N	7.29	127.27	119.76
1	2J	124	MET	C-N-CA	7.29	127.27	119.76
1	3W	425	LYS	CA-C-N	7.29	127.21	119.85
1	3W	425	LYS	C-N-CA	7.29	127.21	119.85
1	2A	226	LEU	CA-C-N	7.29	127.63	119.32
1	2A	226	LEU	C-N-CA	7.29	127.63	119.32
1	6A	346	VAL	CA-C-N	7.29	127.28	119.78
1	6A	346	VAL	C-N-CA	7.29	127.28	119.78
1	1I	346	VAL	CA-C-N	7.29	127.29	119.78
1	1I	346	VAL	C-N-CA	7.29	127.29	119.78
1	5J	226	LEU	CA-C-N	7.29	128.95	119.84
1	5J	226	LEU	C-N-CA	7.29	128.95	119.84
1	6X	36	VAL	CA-C-N	7.29	126.96	119.82
1	6X	36	VAL	C-N-CA	7.29	126.96	119.82
1	7T	81	ASN	CA-C-N	7.29	127.92	119.47
1	7T	81	ASN	C-N-CA	7.29	127.92	119.47
1	4J	346	VAL	CA-C-N	7.28	127.28	119.78
1	4J	346	VAL	C-N-CA	7.28	127.28	119.78
1	7J	81	ASN	CA-C-N	7.28	127.92	119.47
1	7J	81	ASN	C-N-CA	7.28	127.92	119.47
1	3F	346	VAL	CA-C-N	7.28	127.28	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3F	346	VAL	C-N-CA	7.28	127.28	119.78
1	6Y	346	VAL	CA-C-N	7.28	127.28	119.78
1	6Y	346	VAL	C-N-CA	7.28	127.28	119.78
1	3G	124	MET	CA-C-N	7.28	127.20	119.85
1	3G	124	MET	C-N-CA	7.28	127.20	119.85
1	8Y	36	VAL	CA-C-N	7.28	126.95	119.82
1	8Y	36	VAL	C-N-CA	7.28	126.95	119.82
1	2F	226	LEU	CA-C-N	7.27	127.61	119.32
1	2F	226	LEU	C-N-CA	7.27	127.61	119.32
1	7E	81	ASN	CA-C-N	7.27	127.91	119.47
1	7E	81	ASN	C-N-CA	7.27	127.91	119.47
1	2K	226	LEU	CA-C-N	7.27	127.61	119.32
1	2K	226	LEU	C-N-CA	7.27	127.61	119.32
1	5P	226	LEU	CA-C-N	7.27	128.93	119.84
1	5P	226	LEU	C-N-CA	7.27	128.93	119.84
1	7O	81	ASN	CA-C-N	7.27	127.90	119.47
1	7O	81	ASN	C-N-CA	7.27	127.90	119.47
1	3X	346	VAL	CA-C-N	7.27	127.27	119.78
1	3X	346	VAL	C-N-CA	7.27	127.27	119.78
1	8S	36	VAL	CA-C-N	7.27	126.94	119.82
1	8S	36	VAL	C-N-CA	7.27	126.94	119.82
1	6G	346	VAL	CA-C-N	7.27	127.27	119.78
1	6G	346	VAL	C-N-CA	7.27	127.27	119.78
1	8P	36	VAL	CA-C-N	7.27	126.97	119.56
1	8P	36	VAL	C-N-CA	7.27	126.97	119.56
1	8V	36	VAL	CA-C-N	7.27	126.97	119.56
1	8V	36	VAL	C-N-CA	7.27	126.97	119.56
1	3Y	124	MET	CA-C-N	7.27	127.19	119.85
1	3Y	124	MET	C-N-CA	7.27	127.19	119.85
1	5V	226	LEU	CA-C-N	7.27	128.92	119.84
1	5V	226	LEU	C-N-CA	7.27	128.92	119.84
1	5b	226	LEU	CA-C-N	7.27	128.92	119.84
1	5b	226	LEU	C-N-CA	7.27	128.92	119.84
1	8D	36	VAL	CA-C-N	7.26	126.97	119.56
1	8D	36	VAL	C-N-CA	7.26	126.97	119.56
1	2O	124	MET	CA-C-N	7.26	127.24	119.76
1	2O	124	MET	C-N-CA	7.26	127.24	119.76
1	8V	346	VAL	CA-C-N	7.26	127.24	119.76
1	8V	346	VAL	C-N-CA	7.26	127.24	119.76
1	5D	226	LEU	CA-C-N	7.26	128.92	119.84
1	5D	226	LEU	C-N-CA	7.26	128.92	119.84
1	2E	124	MET	CA-C-N	7.25	127.23	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2E	124	MET	C-N-CA	7.25	127.23	119.76
1	7N	36	VAL	CA-C-N	7.25	126.93	119.82
1	7N	36	VAL	C-N-CA	7.25	126.93	119.82
1	7S	36	VAL	CA-C-N	7.25	126.93	119.82
1	7S	36	VAL	C-N-CA	7.25	126.93	119.82
1	3Q	346	VAL	CA-C-N	7.25	127.25	119.78
1	3Q	346	VAL	C-N-CA	7.25	127.25	119.78
1	3L	346	VAL	CA-C-N	7.25	127.24	119.78
1	3L	346	VAL	C-N-CA	7.25	127.24	119.78
1	2P	226	LEU	CA-C-N	7.25	127.58	119.32
1	2P	226	LEU	C-N-CA	7.25	127.58	119.32
1	8J	36	VAL	CA-C-N	7.25	126.95	119.56
1	8J	36	VAL	C-N-CA	7.25	126.95	119.56
1	7X	36	VAL	CA-C-N	7.25	126.92	119.82
1	7X	36	VAL	C-N-CA	7.25	126.92	119.82
1	3A	124	MET	CA-C-N	7.24	127.17	119.85
1	3A	124	MET	C-N-CA	7.24	127.17	119.85
1	8Q	346	VAL	CA-C-N	7.24	127.20	120.03
1	8Q	346	VAL	C-N-CA	7.24	127.20	120.03
1	8W	346	VAL	CA-C-N	7.24	127.20	120.03
1	8W	346	VAL	C-N-CA	7.24	127.20	120.03
1	3c	346	VAL	CA-C-N	7.24	127.24	119.78
1	3c	346	VAL	C-N-CA	7.24	127.24	119.78
1	7Y	81	ASN	CA-C-N	7.24	127.87	119.47
1	7Y	81	ASN	C-N-CA	7.24	127.87	119.47
1	8c	346	VAL	CA-C-N	7.24	127.20	120.03
1	8c	346	VAL	C-N-CA	7.24	127.20	120.03
1	7O	346	VAL	CA-C-N	7.24	127.23	119.78
1	7O	346	VAL	C-N-CA	7.24	127.23	119.78
1	8E	346	VAL	CA-C-N	7.24	127.19	120.03
1	8E	346	VAL	C-N-CA	7.24	127.19	120.03
1	1N	81	ASN	CA-C-N	7.24	127.86	119.47
1	1N	81	ASN	C-N-CA	7.24	127.86	119.47
1	1H	81	ASN	CA-C-N	7.23	127.86	119.47
1	1H	81	ASN	C-N-CA	7.23	127.86	119.47
1	6X	346	VAL	CA-C-N	7.23	127.19	120.03
1	6X	346	VAL	C-N-CA	7.23	127.19	120.03
1	6L	346	VAL	CA-C-N	7.23	127.19	120.03
1	6L	346	VAL	C-N-CA	7.23	127.19	120.03
1	3K	346	VAL	CA-C-N	7.22	127.22	119.78
1	3K	346	VAL	C-N-CA	7.22	127.22	119.78
1	4T	124	MET	CA-C-N	7.22	127.80	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4T	124	MET	C-N-CA	7.22	127.80	120.14
1	7D	36	VAL	CA-C-N	7.22	126.90	119.82
1	7D	36	VAL	C-N-CA	7.22	126.90	119.82
1	7I	36	VAL	CA-C-N	7.22	126.90	119.82
1	7I	36	VAL	C-N-CA	7.22	126.90	119.82
1	6R	346	VAL	CA-C-N	7.22	127.18	120.03
1	6R	346	VAL	C-N-CA	7.22	127.18	120.03
1	3M	124	MET	CA-C-N	7.22	127.14	119.85
1	3M	124	MET	C-N-CA	7.22	127.14	119.85
1	7N	226	LEU	CA-C-N	7.22	128.87	119.84
1	7N	226	LEU	C-N-CA	7.22	128.87	119.84
1	3W	346	VAL	CA-C-N	7.22	127.22	119.78
1	3W	346	VAL	C-N-CA	7.22	127.22	119.78
1	2Y	124	MET	CA-C-N	7.22	127.19	119.76
1	2Y	124	MET	C-N-CA	7.22	127.19	119.76
1	6F	346	VAL	CA-C-N	7.22	127.17	120.03
1	6F	346	VAL	C-N-CA	7.22	127.17	120.03
1	8P	346	VAL	CA-C-N	7.22	127.19	119.76
1	8P	346	VAL	C-N-CA	7.22	127.19	119.76
1	3c	36	VAL	CA-C-N	7.22	126.92	119.56
1	3c	36	VAL	C-N-CA	7.22	126.92	119.56
1	7D	226	LEU	CA-C-N	7.21	128.86	119.84
1	7D	226	LEU	C-N-CA	7.21	128.86	119.84
1	7S	226	LEU	CA-C-N	7.21	128.86	119.84
1	7S	226	LEU	C-N-CA	7.21	128.86	119.84
1	8b	346	VAL	CA-C-N	7.21	127.19	119.76
1	8b	346	VAL	C-N-CA	7.21	127.19	119.76
1	8R	226	LEU	CA-C-N	7.21	128.85	119.84
1	8R	226	LEU	C-N-CA	7.21	128.85	119.84
1	2T	124	MET	CA-C-N	7.21	127.19	119.76
1	2T	124	MET	C-N-CA	7.21	127.19	119.76
1	8D	346	VAL	CA-C-N	7.21	127.18	119.76
1	8D	346	VAL	C-N-CA	7.21	127.18	119.76
1	7Y	346	VAL	CA-C-N	7.21	127.20	119.78
1	7Y	346	VAL	C-N-CA	7.21	127.20	119.78
1	3E	346	VAL	CA-C-N	7.21	127.20	119.78
1	3E	346	VAL	C-N-CA	7.21	127.20	119.78
1	7X	226	LEU	CA-C-N	7.21	128.85	119.84
1	7X	226	LEU	C-N-CA	7.21	128.85	119.84
1	1B	81	ASN	CA-C-N	7.20	127.83	119.47
1	1B	81	ASN	C-N-CA	7.20	127.83	119.47
1	7E	346	VAL	CA-C-N	7.20	127.20	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7E	346	VAL	C-N-CA	7.20	127.20	119.78
1	7I	226	LEU	CA-C-N	7.20	128.84	119.84
1	7I	226	LEU	C-N-CA	7.20	128.84	119.84
1	1Z	81	ASN	CA-C-N	7.20	127.83	119.47
1	1Z	81	ASN	C-N-CA	7.20	127.83	119.47
1	3E	36	VAL	CA-C-N	7.20	126.91	119.56
1	3E	36	VAL	C-N-CA	7.20	126.91	119.56
1	1H	346	VAL	CA-C-N	7.20	127.20	119.78
1	1H	346	VAL	C-N-CA	7.20	127.20	119.78
1	1Z	346	VAL	CA-C-N	7.20	127.19	119.78
1	1Z	346	VAL	C-N-CA	7.20	127.19	119.78
1	3W	36	VAL	CA-C-N	7.20	126.90	119.56
1	3W	36	VAL	C-N-CA	7.20	126.90	119.56
1	7T	346	VAL	CA-C-N	7.20	127.19	119.78
1	7T	346	VAL	C-N-CA	7.20	127.19	119.78
1	6d	346	VAL	CA-C-N	7.20	127.15	120.03
1	6d	346	VAL	C-N-CA	7.20	127.15	120.03
1	1T	81	ASN	CA-C-N	7.19	127.81	119.47
1	1T	81	ASN	C-N-CA	7.19	127.81	119.47
1	7J	346	VAL	CA-C-N	7.19	127.19	119.78
1	7J	346	VAL	C-N-CA	7.19	127.19	119.78
1	8K	346	VAL	CA-C-N	7.19	127.15	120.03
1	8K	346	VAL	C-N-CA	7.19	127.15	120.03
1	3d	202	GLU	CA-C-N	7.19	128.83	119.84
1	3d	202	GLU	C-N-CA	7.19	128.83	119.84
1	3L	202	GLU	CA-C-N	7.19	128.83	119.84
1	3L	202	GLU	C-N-CA	7.19	128.83	119.84
1	3S	124	MET	CA-C-N	7.19	127.11	119.85
1	3S	124	MET	C-N-CA	7.19	127.11	119.85
1	1B	346	VAL	CA-C-N	7.19	127.18	119.78
1	1B	346	VAL	C-N-CA	7.19	127.18	119.78
1	6N	346	VAL	CA-C-N	7.19	127.18	119.78
1	6N	346	VAL	C-N-CA	7.19	127.18	119.78
1	6R	91	ILE	CA-C-N	7.19	128.82	119.84
1	6R	91	ILE	C-N-CA	7.19	128.82	119.84
1	3X	202	GLU	CA-C-N	7.19	128.82	119.84
1	3X	202	GLU	C-N-CA	7.19	128.82	119.84
1	6T	346	VAL	CA-C-N	7.19	127.18	119.78
1	6T	346	VAL	C-N-CA	7.19	127.18	119.78
1	8X	226	LEU	CA-C-N	7.19	128.82	119.84
1	8X	226	LEU	C-N-CA	7.19	128.82	119.84
1	8J	346	VAL	CA-C-N	7.18	127.16	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8J	346	VAL	C-N-CA	7.18	127.16	119.76
1	8F	226	LEU	CA-C-N	7.18	128.82	119.84
1	8F	226	LEU	C-N-CA	7.18	128.82	119.84
1	4N	124	MET	CA-C-N	7.18	127.75	120.14
1	4N	124	MET	C-N-CA	7.18	127.75	120.14
1	1U	36	VAL	CA-C-N	7.18	126.88	119.56
1	1U	36	VAL	C-N-CA	7.18	126.88	119.56
1	4a	346	VAL	CA-C-N	7.18	127.16	119.76
1	4a	346	VAL	C-N-CA	7.18	127.16	119.76
1	6Z	346	VAL	CA-C-N	7.18	127.18	119.78
1	6Z	346	VAL	C-N-CA	7.18	127.18	119.78
1	3F	202	GLU	CA-C-N	7.18	128.81	119.84
1	3F	202	GLU	C-N-CA	7.18	128.81	119.84
1	4B	124	MET	CA-C-N	7.18	127.75	120.14
1	4B	124	MET	C-N-CA	7.18	127.75	120.14
1	6L	91	ILE	CA-C-N	7.18	128.81	119.84
1	6L	91	ILE	C-N-CA	7.18	128.81	119.84
1	4U	346	VAL	CA-C-N	7.18	127.16	119.76
1	4U	346	VAL	C-N-CA	7.18	127.16	119.76
2	2w	86	VAL	CA-C-N	7.18	127.15	119.76
2	2w	86	VAL	C-N-CA	7.18	127.15	119.76
1	3R	202	GLU	CA-C-N	7.17	128.81	119.84
1	3R	202	GLU	C-N-CA	7.17	128.81	119.84
1	1T	346	VAL	CA-C-N	7.17	127.17	119.78
1	1T	346	VAL	C-N-CA	7.17	127.17	119.78
1	5c	81	ASN	CA-C-N	7.17	126.88	119.56
1	5c	81	ASN	C-N-CA	7.17	126.88	119.56
1	8d	226	LEU	CA-C-N	7.17	128.81	119.84
1	8d	226	LEU	C-N-CA	7.17	128.81	119.84
1	6F	91	ILE	CA-C-N	7.17	128.80	119.84
1	6F	91	ILE	C-N-CA	7.17	128.80	119.84
1	6B	346	VAL	CA-C-N	7.17	127.17	119.78
1	6B	346	VAL	C-N-CA	7.17	127.17	119.78
1	6Q	36	VAL	CA-C-N	7.17	126.87	119.56
1	6Q	36	VAL	C-N-CA	7.17	126.87	119.56
1	6d	91	ILE	CA-C-N	7.17	128.80	119.84
1	6d	91	ILE	C-N-CA	7.17	128.80	119.84
2	2h	86	VAL	CA-C-N	7.17	127.14	119.76
2	2h	86	VAL	C-N-CA	7.17	127.14	119.76
1	2I	346	VAL	CA-C-N	7.16	127.16	119.78
1	2I	346	VAL	C-N-CA	7.16	127.16	119.78
1	2Q	124	MET	CA-C-N	7.16	127.14	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2Q	124	MET	C-N-CA	7.16	127.14	119.76
2	2m	86	VAL	CA-C-N	7.16	127.14	119.76
2	2m	86	VAL	C-N-CA	7.16	127.14	119.76
1	2D	81	ASN	CA-C-N	7.16	127.77	119.47
1	2D	81	ASN	C-N-CA	7.16	127.77	119.47
1	5E	81	ASN	CA-C-N	7.16	126.86	119.56
1	5E	81	ASN	C-N-CA	7.16	126.86	119.56
1	6H	346	VAL	CA-C-N	7.16	127.15	119.78
1	6H	346	VAL	C-N-CA	7.16	127.15	119.78
1	5Q	81	ASN	CA-C-N	7.16	126.86	119.56
1	5Q	81	ASN	C-N-CA	7.16	126.86	119.56
1	4I	346	VAL	CA-C-N	7.16	127.13	119.76
1	4I	346	VAL	C-N-CA	7.16	127.13	119.76
1	8L	226	LEU	CA-C-N	7.16	128.78	119.84
1	8L	226	LEU	C-N-CA	7.16	128.78	119.84
1	6X	91	ILE	CA-C-N	7.16	128.78	119.84
1	6X	91	ILE	C-N-CA	7.16	128.78	119.84
1	3K	36	VAL	CA-C-N	7.15	126.86	119.56
1	3K	36	VAL	C-N-CA	7.15	126.86	119.56
1	4H	124	MET	CA-C-N	7.15	127.72	120.14
1	4H	124	MET	C-N-CA	7.15	127.72	120.14
1	2N	346	VAL	CA-C-N	7.15	127.15	119.78
1	2N	346	VAL	C-N-CA	7.15	127.15	119.78
1	1C	36	VAL	CA-C-N	7.15	126.86	119.56
1	1C	36	VAL	C-N-CA	7.15	126.86	119.56
1	1N	346	VAL	CA-C-N	7.15	127.15	119.78
1	1N	346	VAL	C-N-CA	7.15	127.15	119.78
1	7V	81	ASN	CA-C-N	7.15	127.77	119.47
1	7V	81	ASN	C-N-CA	7.15	127.77	119.47
1	2P	52	LEU	N-CA-C	7.15	118.86	111.14
1	3Q	36	VAL	CA-C-N	7.15	126.85	119.56
1	3Q	36	VAL	C-N-CA	7.15	126.85	119.56
1	2S	81	ASN	CA-C-N	7.15	127.76	119.47
1	2S	81	ASN	C-N-CA	7.15	127.76	119.47
1	4C	346	VAL	CA-C-N	7.15	127.12	119.76
1	4C	346	VAL	C-N-CA	7.15	127.12	119.76
2	2c	86	VAL	CA-C-N	7.15	127.12	119.76
2	2c	86	VAL	C-N-CA	7.15	127.12	119.76
1	2D	346	VAL	CA-C-N	7.14	127.14	119.78
1	2D	346	VAL	C-N-CA	7.14	127.14	119.78
2	9J	86	VAL	CA-C-N	7.14	127.12	119.76
2	9J	86	VAL	C-N-CA	7.14	127.12	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1O	36	VAL	CA-C-N	7.14	126.84	119.56
1	1O	36	VAL	C-N-CA	7.14	126.84	119.56
1	2N	81	ASN	CA-C-N	7.14	127.75	119.47
1	2N	81	ASN	C-N-CA	7.14	127.75	119.47
1	1I	36	VAL	CA-C-N	7.14	126.84	119.56
1	1I	36	VAL	C-N-CA	7.14	126.84	119.56
1	2L	124	MET	CA-C-N	7.14	127.11	119.76
1	2L	124	MET	C-N-CA	7.14	127.11	119.76
1	2X	346	VAL	CA-C-N	7.14	127.14	119.78
1	2X	346	VAL	C-N-CA	7.14	127.14	119.78
1	2F	52	LEU	N-CA-C	7.14	118.85	111.14
1	6W	36	VAL	CA-C-N	7.14	126.84	119.56
1	6W	36	VAL	C-N-CA	7.14	126.84	119.56
1	2B	124	MET	CA-C-N	7.14	127.11	119.76
1	2B	124	MET	C-N-CA	7.14	127.11	119.76
1	2F	91	ILE	CA-C-N	7.14	126.76	119.19
1	2F	91	ILE	C-N-CA	7.14	126.76	119.19
1	4O	346	VAL	CA-C-N	7.14	127.11	119.76
1	4O	346	VAL	C-N-CA	7.14	127.11	119.76
1	1U	438	ARG	CA-C-N	7.14	128.76	119.84
1	1U	438	ARG	C-N-CA	7.14	128.76	119.84
1	1a	36	VAL	CA-C-N	7.14	126.84	119.56
1	1a	36	VAL	C-N-CA	7.14	126.84	119.56
1	2U	52	LEU	N-CA-C	7.14	118.85	111.14
1	6c	36	VAL	CA-C-N	7.14	126.84	119.56
1	6c	36	VAL	C-N-CA	7.14	126.84	119.56
2	2r	86	VAL	CA-C-N	7.13	127.11	119.76
2	2r	86	VAL	C-N-CA	7.13	127.11	119.76
1	5K	81	ASN	CA-C-N	7.13	126.84	119.56
1	5K	81	ASN	C-N-CA	7.13	126.84	119.56
1	5W	81	ASN	CA-C-N	7.13	126.84	119.56
1	5W	81	ASN	C-N-CA	7.13	126.84	119.56
1	2V	124	MET	CA-C-N	7.13	127.11	119.76
1	2V	124	MET	C-N-CA	7.13	127.11	119.76
1	4Z	124	MET	CA-C-N	7.13	127.70	120.14
1	4Z	124	MET	C-N-CA	7.13	127.70	120.14
2	7s	86	VAL	CA-C-N	7.13	127.11	119.76
2	7s	86	VAL	C-N-CA	7.13	127.11	119.76
1	2A	52	LEU	N-CA-C	7.13	118.84	111.14
1	2I	81	ASN	CA-C-N	7.13	127.74	119.47
1	2I	81	ASN	C-N-CA	7.13	127.74	119.47
1	3O	346	VAL	CA-C-N	7.13	127.12	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3O	346	VAL	C-N-CA	7.13	127.12	119.78
1	2A	91	ILE	CA-C-N	7.13	126.74	119.19
1	2A	91	ILE	C-N-CA	7.13	126.74	119.19
1	7B	81	ASN	CA-C-N	7.13	127.74	119.47
1	7B	81	ASN	C-N-CA	7.13	127.74	119.47
1	6K	36	VAL	CA-C-N	7.13	126.83	119.56
1	6K	36	VAL	C-N-CA	7.13	126.83	119.56
1	2K	52	LEU	N-CA-C	7.13	118.84	111.14
1	2P	91	ILE	CA-C-N	7.12	126.74	119.19
1	2P	91	ILE	C-N-CA	7.12	126.74	119.19
2	9G	86	VAL	CA-C-N	7.12	127.10	119.76
2	9G	86	VAL	C-N-CA	7.12	127.10	119.76
1	7G	81	ASN	CA-C-N	7.12	127.73	119.47
1	7G	81	ASN	C-N-CA	7.12	127.73	119.47
1	4X	124	MET	CA-C-N	7.12	127.12	119.78
1	4X	124	MET	C-N-CA	7.12	127.12	119.78
1	2X	81	ASN	CA-C-N	7.12	127.73	119.47
1	2X	81	ASN	C-N-CA	7.12	127.73	119.47
1	2K	91	ILE	CA-C-N	7.12	126.74	119.19
1	2K	91	ILE	C-N-CA	7.12	126.74	119.19
2	7x	86	VAL	CA-C-N	7.12	127.10	119.76
2	7x	86	VAL	C-N-CA	7.12	127.10	119.76
1	6E	36	VAL	CA-C-N	7.12	126.82	119.56
1	6E	36	VAL	C-N-CA	7.12	126.82	119.56
1	2H	81	ASN	CA-C-N	7.12	127.73	119.47
1	2H	81	ASN	C-N-CA	7.12	127.73	119.47
2	2v	86	VAL	CA-C-N	7.12	127.09	119.76
2	2v	86	VAL	C-N-CA	7.12	127.09	119.76
1	2G	124	MET	CA-C-N	7.12	127.09	119.76
1	2G	124	MET	C-N-CA	7.12	127.09	119.76
1	1C	438	ARG	CA-C-N	7.12	128.73	119.84
1	1C	438	ARG	C-N-CA	7.12	128.73	119.84
1	4R	124	MET	CA-C-N	7.12	127.11	119.78
1	4R	124	MET	C-N-CA	7.12	127.11	119.78
1	7Q	81	ASN	CA-C-N	7.12	127.72	119.47
1	7Q	81	ASN	C-N-CA	7.12	127.72	119.47
1	2R	81	ASN	CA-C-N	7.11	127.72	119.47
1	2R	81	ASN	C-N-CA	7.11	127.72	119.47
2	2e	86	VAL	CA-C-N	7.11	127.09	119.76
2	2e	86	VAL	C-N-CA	7.11	127.09	119.76
1	4F	124	MET	CA-C-N	7.11	127.11	119.78
1	4F	124	MET	C-N-CA	7.11	127.11	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1a	438	ARG	CA-C-N	7.11	128.73	119.84
1	1a	438	ARG	C-N-CA	7.11	128.73	119.84
2	7l	86	VAL	CA-C-N	7.11	127.09	119.76
2	7l	86	VAL	C-N-CA	7.11	127.09	119.76
2	9H	86	VAL	CA-C-N	7.11	127.08	119.76
2	9H	86	VAL	C-N-CA	7.11	127.08	119.76
1	3C	346	VAL	CA-C-N	7.11	127.10	119.78
1	3C	346	VAL	C-N-CA	7.11	127.10	119.78
1	7L	81	ASN	CA-C-N	7.11	127.72	119.47
1	7L	81	ASN	C-N-CA	7.11	127.72	119.47
2	7j	86	VAL	CA-C-N	7.11	127.08	119.76
2	7j	86	VAL	C-N-CA	7.11	127.08	119.76
1	2U	91	ILE	CA-C-N	7.11	126.72	119.19
1	2U	91	ILE	C-N-CA	7.11	126.72	119.19
1	6a	124	MET	CA-C-N	7.11	127.08	119.76
1	6a	124	MET	C-N-CA	7.11	127.08	119.76
1	2O	202	GLU	CA-C-N	7.10	128.72	119.84
1	2O	202	GLU	C-N-CA	7.10	128.72	119.84
1	4J	81	ASN	CA-C-N	7.10	127.42	119.32
1	4J	81	ASN	C-N-CA	7.10	127.42	119.32
2	9F	86	VAL	CA-C-N	7.10	127.08	119.76
2	9F	86	VAL	C-N-CA	7.10	127.08	119.76
2	7o	86	VAL	CA-C-N	7.10	127.08	119.76
2	7o	86	VAL	C-N-CA	7.10	127.08	119.76
1	2T	202	GLU	CA-C-N	7.10	128.72	119.84
1	2T	202	GLU	C-N-CA	7.10	128.72	119.84
1	4d	124	MET	CA-C-N	7.10	127.09	119.78
1	4d	124	MET	C-N-CA	7.10	127.09	119.78
1	2C	81	ASN	CA-C-N	7.10	127.70	119.47
1	2C	81	ASN	C-N-CA	7.10	127.70	119.47
1	1O	438	ARG	CA-C-N	7.10	128.71	119.84
1	1O	438	ARG	C-N-CA	7.10	128.71	119.84
1	2W	81	ASN	CA-C-N	7.10	127.70	119.47
1	2W	81	ASN	C-N-CA	7.10	127.70	119.47
2	7d	86	VAL	CA-C-N	7.10	127.07	119.76
2	7d	86	VAL	C-N-CA	7.10	127.07	119.76
2	2g	86	VAL	CA-C-N	7.10	127.07	119.76
2	2g	86	VAL	C-N-CA	7.10	127.07	119.76
1	1I	438	ARG	CA-C-N	7.10	128.71	119.84
1	1I	438	ARG	C-N-CA	7.10	128.71	119.84
1	2S	346	VAL	CA-C-N	7.10	127.09	119.78
1	2S	346	VAL	C-N-CA	7.10	127.09	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	7n	86	VAL	CA-C-N	7.10	127.07	119.76
2	7n	86	VAL	C-N-CA	7.10	127.07	119.76
1	2E	202	GLU	CA-C-N	7.09	128.71	119.84
1	2E	202	GLU	C-N-CA	7.09	128.71	119.84
1	8T	36	VAL	CA-C-N	7.09	126.80	119.56
1	8T	36	VAL	C-N-CA	7.09	126.80	119.56
2	2b	86	VAL	CA-C-N	7.09	127.07	119.76
2	2b	86	VAL	C-N-CA	7.09	127.07	119.76
2	2n	86	VAL	CA-C-N	7.09	127.07	119.76
2	2n	86	VAL	C-N-CA	7.09	127.07	119.76
2	2q	86	VAL	CA-C-N	7.09	127.07	119.76
2	2q	86	VAL	C-N-CA	7.09	127.07	119.76
1	4D	81	ASN	CA-C-N	7.09	127.41	119.32
1	4D	81	ASN	C-N-CA	7.09	127.41	119.32
1	3a	346	VAL	CA-C-N	7.09	127.09	119.78
1	3a	346	VAL	C-N-CA	7.09	127.09	119.78
1	4V	81	ASN	CA-C-N	7.09	127.40	119.32
1	4V	81	ASN	C-N-CA	7.09	127.40	119.32
1	8Z	36	VAL	CA-C-N	7.09	126.79	119.56
1	8Z	36	VAL	C-N-CA	7.09	126.79	119.56
2	7b	86	VAL	CA-C-N	7.09	127.06	119.76
2	7b	86	VAL	C-N-CA	7.09	127.06	119.76
1	3U	346	VAL	CA-C-N	7.09	127.08	119.78
1	3U	346	VAL	C-N-CA	7.09	127.08	119.78
1	4L	124	MET	CA-C-N	7.09	127.08	119.78
1	4L	124	MET	C-N-CA	7.09	127.08	119.78
1	3I	346	VAL	CA-C-N	7.09	127.08	119.78
1	3I	346	VAL	C-N-CA	7.09	127.08	119.78
2	2i	86	VAL	CA-C-N	7.09	127.06	119.76
2	2i	86	VAL	C-N-CA	7.09	127.06	119.76
2	7g	86	VAL	CA-C-N	7.09	127.06	119.76
2	7g	86	VAL	C-N-CA	7.09	127.06	119.76
2	2p	86	VAL	CA-C-N	7.08	127.06	119.76
2	2p	86	VAL	C-N-CA	7.08	127.06	119.76
1	3U	354	VAL	N-CA-C	7.08	117.98	106.72
1	2Y	202	GLU	CA-C-N	7.08	128.69	119.84
1	2Y	202	GLU	C-N-CA	7.08	128.69	119.84
1	7W	124	MET	CA-C-N	7.08	127.05	119.76
1	7W	124	MET	C-N-CA	7.08	127.05	119.76
2	7f	86	VAL	CA-C-N	7.08	127.05	119.76
2	7f	86	VAL	C-N-CA	7.08	127.05	119.76
2	7q	86	VAL	CA-C-N	7.08	127.05	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	7q	86	VAL	C-N-CA	7.08	127.05	119.76
1	8B	36	VAL	CA-C-N	7.08	126.78	119.56
1	8B	36	VAL	C-N-CA	7.08	126.78	119.56
2	1i	116	LYS	N-CA-C	7.08	121.94	113.16
2	2j	86	VAL	CA-C-N	7.08	127.05	119.76
2	2j	86	VAL	C-N-CA	7.08	127.05	119.76
2	2t	86	VAL	CA-C-N	7.08	127.05	119.76
2	2t	86	VAL	C-N-CA	7.08	127.05	119.76
1	6O	124	MET	CA-C-N	7.08	127.05	119.76
1	6O	124	MET	C-N-CA	7.08	127.05	119.76
1	4b	81	ASN	CA-C-N	7.08	127.39	119.32
1	4b	81	ASN	C-N-CA	7.08	127.39	119.32
1	8X	346	VAL	CA-C-N	7.07	127.07	119.78
1	8X	346	VAL	C-N-CA	7.07	127.07	119.78
2	8u	116	LYS	N-CA-C	7.07	121.93	113.16
2	2u	86	VAL	CA-C-N	7.07	127.05	119.76
2	2u	86	VAL	C-N-CA	7.07	127.05	119.76
2	7v	86	VAL	CA-C-N	7.07	127.05	119.76
2	7v	86	VAL	C-N-CA	7.07	127.05	119.76
2	2a	86	VAL	CA-C-N	7.07	127.04	119.76
2	2a	86	VAL	C-N-CA	7.07	127.04	119.76
2	2d	86	VAL	CA-C-N	7.07	127.04	119.76
2	2d	86	VAL	C-N-CA	7.07	127.04	119.76
2	9I	86	VAL	CA-C-N	7.07	127.04	119.76
2	9I	86	VAL	C-N-CA	7.07	127.04	119.76
1	6C	124	MET	CA-C-N	7.07	127.04	119.76
1	6C	124	MET	C-N-CA	7.07	127.04	119.76
1	7C	124	MET	CA-C-N	7.07	127.04	119.76
1	7C	124	MET	C-N-CA	7.07	127.04	119.76
1	3O	354	VAL	N-CA-C	7.07	117.95	106.72
2	7Z	86	VAL	CA-C-N	7.07	127.04	119.76
2	7Z	86	VAL	C-N-CA	7.07	127.04	119.76
2	7a	86	VAL	CA-C-N	7.07	127.04	119.76
2	7a	86	VAL	C-N-CA	7.07	127.04	119.76
2	7e	86	VAL	CA-C-N	7.07	127.04	119.76
2	7e	86	VAL	C-N-CA	7.07	127.04	119.76
2	7i	86	VAL	CA-C-N	7.07	127.04	119.76
2	7i	86	VAL	C-N-CA	7.07	127.04	119.76
1	7H	124	MET	CA-C-N	7.06	127.03	119.76
1	7H	124	MET	C-N-CA	7.06	127.03	119.76
1	2M	81	ASN	CA-C-N	7.06	127.66	119.47
1	2M	81	ASN	C-N-CA	7.06	127.66	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	1q	116	LYS	N-CA-C	7.06	121.92	113.16
2	5k	116	LYS	N-CA-C	7.06	121.92	113.16
2	8y	116	LYS	N-CA-C	7.06	121.92	113.16
1	8F	346	VAL	CA-C-N	7.06	127.05	119.78
1	8F	346	VAL	C-N-CA	7.06	127.05	119.78
1	3W	354	VAL	N-CA-C	7.06	117.99	108.11
2	2f	86	VAL	CA-C-N	7.06	127.03	119.76
2	2f	86	VAL	C-N-CA	7.06	127.03	119.76
2	7w	86	VAL	CA-C-N	7.06	127.03	119.76
2	7w	86	VAL	C-N-CA	7.06	127.03	119.76
1	3I	354	VAL	N-CA-C	7.06	117.94	106.72
1	4P	81	ASN	CA-C-N	7.06	127.36	119.32
1	4P	81	ASN	C-N-CA	7.06	127.36	119.32
2	8x	116	LYS	N-CA-C	7.06	121.91	113.16
1	3C	354	VAL	N-CA-C	7.05	117.94	106.72
1	8H	36	VAL	CA-C-N	7.05	126.75	119.56
1	8H	36	VAL	C-N-CA	7.05	126.75	119.56
2	2Z	86	VAL	CA-C-N	7.05	127.03	119.76
2	2Z	86	VAL	C-N-CA	7.05	127.03	119.76
2	7h	86	VAL	CA-C-N	7.05	127.03	119.76
2	7h	86	VAL	C-N-CA	7.05	127.03	119.76
2	2l	86	VAL	CA-C-N	7.05	127.03	119.76
2	2l	86	VAL	C-N-CA	7.05	127.03	119.76
2	5g	116	LYS	N-CA-C	7.05	121.91	113.16
1	2J	202	GLU	CA-C-N	7.05	128.66	119.84
1	2J	202	GLU	C-N-CA	7.05	128.66	119.84
1	8R	263	VAL	N-CA-C	7.05	117.19	110.42
2	2k	86	VAL	CA-C-N	7.05	127.02	119.76
2	2k	86	VAL	C-N-CA	7.05	127.02	119.76
2	7t	86	VAL	CA-C-N	7.05	127.02	119.76
2	7t	86	VAL	C-N-CA	7.05	127.02	119.76
1	6I	124	MET	CA-C-N	7.05	127.02	119.76
1	6I	124	MET	C-N-CA	7.05	127.02	119.76
1	8L	346	VAL	CA-C-N	7.05	127.04	119.78
1	8L	346	VAL	C-N-CA	7.05	127.04	119.78
1	8N	36	VAL	CA-C-N	7.05	126.75	119.56
1	8N	36	VAL	C-N-CA	7.05	126.75	119.56
2	7u	86	VAL	CA-C-N	7.05	127.02	119.76
2	7u	86	VAL	C-N-CA	7.05	127.02	119.76
1	3c	354	VAL	N-CA-C	7.05	117.98	108.11
2	7c	86	VAL	CA-C-N	7.05	127.02	119.76
2	7c	86	VAL	C-N-CA	7.05	127.02	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1Q	346	VAL	CA-C-N	7.05	127.01	120.03
1	1Q	346	VAL	C-N-CA	7.05	127.01	120.03
1	3a	354	VAL	N-CA-C	7.05	117.92	106.72
2	8r	116	LYS	N-CA-C	7.05	121.90	113.16
2	1e	116	LYS	N-CA-C	7.04	121.90	113.16
1	3Q	354	VAL	N-CA-C	7.04	117.97	108.11
1	7S	295	VAL	N-CA-C	7.04	117.65	108.35
1	8d	346	VAL	CA-C-N	7.04	127.03	119.78
1	8d	346	VAL	C-N-CA	7.04	127.03	119.78
2	8f	116	LYS	N-CA-C	7.04	121.89	113.16
2	2x	86	VAL	CA-C-N	7.04	127.02	119.76
2	2x	86	VAL	C-N-CA	7.04	127.02	119.76
1	6U	124	MET	CA-C-N	7.04	127.01	119.76
1	6U	124	MET	C-N-CA	7.04	127.01	119.76
2	8s	116	LYS	N-CA-C	7.04	121.89	113.16
1	7I	295	VAL	N-CA-C	7.04	117.64	108.35
1	4N	385	TRP	N-CA-C	7.04	118.46	108.54
1	3K	354	VAL	N-CA-C	7.04	117.96	108.11
1	7M	124	MET	CA-C-N	7.04	127.01	119.76
1	7M	124	MET	C-N-CA	7.04	127.01	119.76
1	1E	346	VAL	CA-C-N	7.04	127.00	120.03
1	1E	346	VAL	C-N-CA	7.04	127.00	120.03
1	5H	406	GLY	N-CA-C	-7.04	103.84	111.93
1	5W	124	MET	CA-C-N	7.04	127.01	119.76
1	5W	124	MET	C-N-CA	7.04	127.01	119.76
2	7k	86	VAL	CA-C-N	7.04	127.01	119.76
2	7k	86	VAL	C-N-CA	7.04	127.01	119.76
2	1u	116	LYS	N-CA-C	7.04	121.88	113.16
1	8R	346	VAL	CA-C-N	7.03	127.02	119.78
1	8R	346	VAL	C-N-CA	7.03	127.02	119.78
1	5T	406	GLY	N-CA-C	-7.03	103.84	111.93
1	7R	124	MET	CA-C-N	7.03	127.00	119.76
1	7R	124	MET	C-N-CA	7.03	127.00	119.76
2	8l	116	LYS	N-CA-C	7.03	121.88	113.16
2	8i	116	LYS	N-CA-C	7.03	121.88	113.16
2	2s	86	VAL	CA-C-N	7.03	127.00	119.76
2	2s	86	VAL	C-N-CA	7.03	127.00	119.76
2	7p	86	VAL	CA-C-N	7.03	127.00	119.76
2	7p	86	VAL	C-N-CA	7.03	127.00	119.76
1	7D	295	VAL	N-CA-C	7.03	117.63	108.35
1	3E	354	VAL	N-CA-C	7.03	117.95	108.11
1	5B	406	GLY	N-CA-C	-7.03	103.85	111.93

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	9N	116	LYS	N-CA-C	7.03	121.87	113.16
2	5e	116	LYS	N-CA-C	7.03	121.87	113.16
2	8g	116	LYS	N-CA-C	7.03	121.87	113.16
2	2o	86	VAL	CA-C-N	7.03	127.00	119.76
2	2o	86	VAL	C-N-CA	7.03	127.00	119.76
2	9Q	116	LYS	N-CA-C	7.03	121.87	113.16
1	5Q	124	MET	CA-C-N	7.02	126.99	119.76
1	5Q	124	MET	C-N-CA	7.02	126.99	119.76
1	5Z	406	GLY	N-CA-C	-7.02	103.86	111.93
2	1o	116	LYS	N-CA-C	7.02	121.87	113.16
2	7m	86	VAL	CA-C-N	7.02	126.99	119.76
2	7m	86	VAL	C-N-CA	7.02	126.99	119.76
2	8m	116	LYS	N-CA-C	7.02	121.86	113.16
2	1m	116	LYS	N-CA-C	7.02	121.86	113.16
2	5i	116	LYS	N-CA-C	7.02	121.86	113.16
2	6x	116	LYS	N-CA-C	7.02	121.86	113.16
2	9K	116	LYS	N-CA-C	7.02	121.86	113.16
2	7r	86	VAL	CA-C-N	7.01	126.98	119.76
2	7r	86	VAL	C-N-CA	7.01	126.98	119.76
2	5m	116	LYS	N-CA-C	7.01	121.86	113.16
2	3r	116	LYS	N-CA-C	7.01	121.86	113.16
1	5E	124	MET	CA-C-N	7.01	126.98	119.76
1	5E	124	MET	C-N-CA	7.01	126.98	119.76
1	4H	385	TRP	N-CA-C	7.01	118.43	108.54
1	4L	81	ASN	CA-C-N	7.01	127.60	119.47
1	4L	81	ASN	C-N-CA	7.01	127.60	119.47
1	7N	295	VAL	N-CA-C	7.01	117.61	108.35
2	6h	116	LYS	N-CA-C	7.01	121.85	113.16
2	8o	116	LYS	N-CA-C	7.01	121.85	113.16
2	1s	116	LYS	N-CA-C	7.01	121.85	113.16
1	8L	263	VAL	N-CA-C	7.01	117.15	110.42
1	1W	346	VAL	CA-C-N	7.01	126.97	120.03
1	1W	346	VAL	C-N-CA	7.01	126.97	120.03
2	6p	116	LYS	N-CA-C	7.01	121.85	113.16
2	3t	116	LYS	N-CA-C	7.01	121.85	113.16
2	6t	116	LYS	N-CA-C	7.01	121.85	113.16
1	5c	124	MET	CA-C-N	7.01	126.98	119.76
1	5c	124	MET	C-N-CA	7.01	126.98	119.76
2	4i	116	LYS	N-CA-C	7.01	121.85	113.16
1	4T	385	TRP	N-CA-C	7.01	118.42	108.54
2	4e	116	LYS	N-CA-C	7.01	121.85	113.16
1	7X	295	VAL	N-CA-C	7.00	117.60	108.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5N	406	GLY	N-CA-C	-7.00	103.88	111.93
2	1g	116	LYS	N-CA-C	7.00	121.84	113.16
2	3f	116	LYS	N-CA-C	7.00	121.84	113.16
2	3l	116	LYS	N-CA-C	7.00	121.84	113.16
2	3p	116	LYS	N-CA-C	7.00	121.84	113.16
1	2C	124	MET	CA-C-N	7.00	126.97	119.76
1	2C	124	MET	C-N-CA	7.00	126.97	119.76
1	8F	263	VAL	N-CA-C	7.00	117.14	110.42
2	4g	116	LYS	N-CA-C	7.00	121.84	113.16
1	2M	124	MET	CA-C-N	7.00	126.97	119.76
1	2M	124	MET	C-N-CA	7.00	126.97	119.76
1	8d	263	VAL	N-CA-C	7.00	117.14	110.42
2	3j	116	LYS	N-CA-C	7.00	121.84	113.16
2	9O	116	LYS	N-CA-C	7.00	121.83	113.16
2	9P	86	VAL	CA-C-N	7.00	126.99	119.78
2	9P	86	VAL	C-N-CA	7.00	126.99	119.78
1	4d	81	ASN	CA-C-N	6.99	127.58	119.47
1	4d	81	ASN	C-N-CA	6.99	127.58	119.47
2	6r	116	LYS	N-CA-C	6.99	121.83	113.16
1	5K	124	MET	CA-C-N	6.99	126.96	119.76
1	5K	124	MET	C-N-CA	6.99	126.96	119.76
1	2R	124	MET	CA-C-N	6.99	126.96	119.76
1	2R	124	MET	C-N-CA	6.99	126.96	119.76
2	6l	116	LYS	N-CA-C	6.99	121.83	113.16
2	3n	116	LYS	N-CA-C	6.99	121.83	113.16
2	3v	116	LYS	N-CA-C	6.99	121.83	113.16
2	3h	116	LYS	N-CA-C	6.99	121.82	113.16
1	4F	81	ASN	CA-C-N	6.98	127.57	119.47
1	4F	81	ASN	C-N-CA	6.98	127.57	119.47
1	1K	346	VAL	CA-C-N	6.98	126.94	120.03
1	1K	346	VAL	C-N-CA	6.98	126.94	120.03
1	8M	132	HIS	N-CA-C	6.98	122.22	113.43
2	4k	116	LYS	N-CA-C	6.98	121.82	113.16
2	1k	116	LYS	N-CA-C	6.98	121.81	113.16
1	8S	132	HIS	N-CA-C	6.98	122.22	113.43
1	8X	263	VAL	N-CA-C	6.97	117.11	110.42
1	1c	346	VAL	CA-C-N	6.97	126.93	120.03
1	1c	346	VAL	C-N-CA	6.97	126.93	120.03
1	2V	438	ARG	CA-C-N	6.97	128.56	119.84
1	2V	438	ARG	C-N-CA	6.97	128.56	119.84
1	4R	81	ASN	CA-C-N	6.97	127.56	119.47
1	4R	81	ASN	C-N-CA	6.97	127.56	119.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8Y	132	HIS	N-CA-C	6.97	122.21	113.43
2	4m	116	LYS	N-CA-C	6.97	121.81	113.16
1	3C	425	LYS	CA-C-N	6.97	126.89	119.85
1	3C	425	LYS	C-N-CA	6.97	126.89	119.85
1	4V	36	VAL	CA-C-N	6.97	126.65	119.82
1	4V	36	VAL	C-N-CA	6.97	126.65	119.82
2	1w	116	LYS	N-CA-C	6.97	121.80	113.16
1	3I	425	LYS	CA-C-N	6.96	126.88	119.85
1	3I	425	LYS	C-N-CA	6.96	126.88	119.85
1	2W	124	MET	CA-C-N	6.96	126.93	119.76
1	2W	124	MET	C-N-CA	6.96	126.93	119.76
1	3a	425	LYS	CA-C-N	6.96	126.88	119.85
1	3a	425	LYS	C-N-CA	6.96	126.88	119.85
1	4X	81	ASN	CA-C-N	6.96	127.54	119.47
1	4X	81	ASN	C-N-CA	6.96	127.54	119.47
2	9L	86	VAL	CA-C-N	6.96	126.95	119.78
2	9L	86	VAL	C-N-CA	6.96	126.95	119.78
1	3U	425	LYS	CA-C-N	6.96	126.88	119.85
1	3U	425	LYS	C-N-CA	6.96	126.88	119.85
1	4D	36	VAL	CA-C-N	6.96	126.64	119.82
1	4D	36	VAL	C-N-CA	6.96	126.64	119.82
1	8E	124	MET	CA-C-N	6.96	126.88	119.85
1	8E	124	MET	C-N-CA	6.96	126.88	119.85
1	7F	81	ASN	CA-C-N	6.96	127.54	119.47
1	7F	81	ASN	C-N-CA	6.96	127.54	119.47
1	3O	425	LYS	CA-C-N	6.96	126.88	119.85
1	3O	425	LYS	C-N-CA	6.96	126.88	119.85
1	4P	36	VAL	CA-C-N	6.96	126.64	119.82
1	4P	36	VAL	C-N-CA	6.96	126.64	119.82
2	3x	116	LYS	N-CA-C	6.96	121.79	113.16
1	2H	124	MET	CA-C-N	6.96	126.92	119.76
1	2H	124	MET	C-N-CA	6.96	126.92	119.76
1	8c	124	MET	CA-C-N	6.96	126.88	119.85
1	8c	124	MET	C-N-CA	6.96	126.88	119.85
1	8G	132	HIS	N-CA-C	6.96	122.19	113.43
1	8K	124	MET	CA-C-N	6.95	126.87	119.85
1	8K	124	MET	C-N-CA	6.95	126.87	119.85
1	8X	124	MET	CA-C-N	6.95	126.92	119.76
1	8X	124	MET	C-N-CA	6.95	126.92	119.76
2	6f	116	LYS	N-CA-C	6.95	121.78	113.16
2	6j	116	LYS	N-CA-C	6.95	121.78	113.16
2	8z	86	VAL	CA-C-N	6.95	126.94	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8z	86	VAL	C-N-CA	6.95	126.94	119.78
1	3G	346	VAL	CA-C-N	6.95	126.94	119.78
1	3G	346	VAL	C-N-CA	6.95	126.94	119.78
1	8L	124	MET	CA-C-N	6.95	126.92	119.76
1	8L	124	MET	C-N-CA	6.95	126.92	119.76
1	4b	36	VAL	CA-C-N	6.95	126.63	119.82
1	4b	36	VAL	C-N-CA	6.95	126.63	119.82
2	8h	86	VAL	CA-C-N	6.95	126.94	119.78
2	8h	86	VAL	C-N-CA	6.95	126.94	119.78
2	8t	86	VAL	CA-C-N	6.95	126.94	119.78
2	8t	86	VAL	C-N-CA	6.95	126.94	119.78
1	8A	132	HIS	N-CA-C	6.95	122.19	113.43
1	4J	36	VAL	CA-C-N	6.95	126.63	119.82
1	4J	36	VAL	C-N-CA	6.95	126.63	119.82
2	5n	86	VAL	CA-C-N	6.95	126.94	119.78
2	5n	86	VAL	C-N-CA	6.95	126.94	119.78
1	8d	124	MET	CA-C-N	6.95	126.91	119.76
1	8d	124	MET	C-N-CA	6.95	126.91	119.76
1	8F	124	MET	CA-C-N	6.94	126.91	119.76
1	8F	124	MET	C-N-CA	6.94	126.91	119.76
1	2Q	438	ARG	CA-C-N	6.94	128.52	119.84
1	2Q	438	ARG	C-N-CA	6.94	128.52	119.84
2	6n	116	LYS	N-CA-C	6.94	121.77	113.16
1	2B	438	ARG	CA-C-N	6.94	128.52	119.84
1	2B	438	ARG	C-N-CA	6.94	128.52	119.84
2	5l	86	VAL	CA-C-N	6.94	126.93	119.78
2	5l	86	VAL	C-N-CA	6.94	126.93	119.78
1	5W	346	VAL	CA-C-N	6.94	126.92	119.78
1	5W	346	VAL	C-N-CA	6.94	126.92	119.78
1	5b	346	VAL	CA-C-N	6.94	126.92	119.78
1	5b	346	VAL	C-N-CA	6.94	126.92	119.78
2	5f	86	VAL	CA-C-N	6.94	126.92	119.78
2	5f	86	VAL	C-N-CA	6.94	126.92	119.78
1	2W	438	ARG	CA-C-N	6.93	126.97	119.90
1	2W	438	ARG	C-N-CA	6.93	126.97	119.90
1	2G	438	ARG	CA-C-N	6.93	128.51	119.84
1	2G	438	ARG	C-N-CA	6.93	128.51	119.84
1	2M	438	ARG	CA-C-N	6.93	126.97	119.90
1	2M	438	ARG	C-N-CA	6.93	126.97	119.90
1	7K	81	ASN	CA-C-N	6.93	127.51	119.47
1	7K	81	ASN	C-N-CA	6.93	127.51	119.47
1	8W	124	MET	CA-C-N	6.93	126.85	119.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8W	124	MET	C-N-CA	6.93	126.85	119.85
2	5j	86	VAL	CA-C-N	6.93	126.92	119.78
2	5j	86	VAL	C-N-CA	6.93	126.92	119.78
1	2H	438	ARG	CA-C-N	6.93	126.97	119.90
1	2H	438	ARG	C-N-CA	6.93	126.97	119.90
1	2L	438	ARG	CA-C-N	6.93	128.50	119.84
1	2L	438	ARG	C-N-CA	6.93	128.50	119.84
1	5Q	346	VAL	CA-C-N	6.93	126.92	119.78
1	5Q	346	VAL	C-N-CA	6.93	126.92	119.78
1	2C	438	ARG	CA-C-N	6.93	126.97	119.90
1	2C	438	ARG	C-N-CA	6.93	126.97	119.90
1	8Q	124	MET	CA-C-N	6.93	126.85	119.85
1	8Q	124	MET	C-N-CA	6.93	126.85	119.85
2	8n	86	VAL	CA-C-N	6.92	126.91	119.78
2	8n	86	VAL	C-N-CA	6.92	126.91	119.78
2	6w	86	VAL	CA-C-N	6.92	126.91	119.78
2	6w	86	VAL	C-N-CA	6.92	126.91	119.78
2	8j	86	VAL	CA-C-N	6.92	126.91	119.78
2	8j	86	VAL	C-N-CA	6.92	126.91	119.78
1	7A	81	ASN	CA-C-N	6.92	127.50	119.47
1	7A	81	ASN	C-N-CA	6.92	127.50	119.47
1	8R	124	MET	CA-C-N	6.92	126.89	119.76
1	8R	124	MET	C-N-CA	6.92	126.89	119.76
1	2R	438	ARG	CA-C-N	6.92	126.96	119.90
1	2R	438	ARG	C-N-CA	6.92	126.96	119.90
2	8p	86	VAL	CA-C-N	6.92	126.91	119.78
2	8p	86	VAL	C-N-CA	6.92	126.91	119.78
2	6v	116	LYS	N-CA-C	6.92	121.74	113.16
1	7P	81	ASN	CA-C-N	6.92	127.50	119.47
1	7P	81	ASN	C-N-CA	6.92	127.50	119.47
2	4l	86	VAL	CA-C-N	6.92	126.91	119.78
2	4l	86	VAL	C-N-CA	6.92	126.91	119.78
1	1R	438	ARG	CA-C-N	6.92	126.95	119.90
1	1R	438	ARG	C-N-CA	6.92	126.95	119.90
1	6V	91	ILE	CA-C-N	6.92	128.48	119.84
1	6V	91	ILE	C-N-CA	6.92	128.48	119.84
1	6b	91	ILE	CA-C-N	6.91	128.48	119.84
1	6b	91	ILE	C-N-CA	6.91	128.48	119.84
2	9M	86	VAL	CA-C-N	6.91	126.90	119.78
2	9M	86	VAL	C-N-CA	6.91	126.90	119.78
1	5D	346	VAL	CA-C-N	6.91	126.90	119.78
1	5D	346	VAL	C-N-CA	6.91	126.90	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	4n	86	VAL	CA-C-N	6.91	126.90	119.78
2	4n	86	VAL	C-N-CA	6.91	126.90	119.78
2	8v	86	VAL	CA-C-N	6.91	126.90	119.78
2	8v	86	VAL	C-N-CA	6.91	126.90	119.78
1	3M	346	VAL	CA-C-N	6.91	126.89	119.78
1	3M	346	VAL	C-N-CA	6.91	126.89	119.78
1	5c	346	VAL	CA-C-N	6.91	126.90	119.78
1	5c	346	VAL	C-N-CA	6.91	126.90	119.78
1	1X	438	ARG	CA-C-N	6.91	126.95	119.90
1	1X	438	ARG	C-N-CA	6.91	126.95	119.90
2	9R	86	VAL	CA-C-N	6.91	126.89	119.78
2	9R	86	VAL	C-N-CA	6.91	126.89	119.78
1	3A	346	VAL	CA-C-N	6.90	126.89	119.78
1	3A	346	VAL	C-N-CA	6.90	126.89	119.78
1	1L	438	ARG	CA-C-N	6.90	126.94	119.90
1	1L	438	ARG	C-N-CA	6.90	126.94	119.90
1	5J	346	VAL	CA-C-N	6.90	126.89	119.78
1	5J	346	VAL	C-N-CA	6.90	126.89	119.78
1	5E	346	VAL	CA-C-N	6.90	126.89	119.78
1	5E	346	VAL	C-N-CA	6.90	126.89	119.78
1	7U	81	ASN	CA-C-N	6.90	127.47	119.47
1	7U	81	ASN	C-N-CA	6.90	127.47	119.47
2	6s	86	VAL	CA-C-N	6.90	126.89	119.78
2	6s	86	VAL	C-N-CA	6.90	126.89	119.78
1	6D	91	ILE	CA-C-N	6.90	128.46	119.84
1	6D	91	ILE	C-N-CA	6.90	128.46	119.84
1	4K	81	ASN	CA-C-N	6.90	126.60	119.56
1	4K	81	ASN	C-N-CA	6.90	126.60	119.56
2	1j	86	VAL	CA-C-N	6.90	126.89	119.78
2	1j	86	VAL	C-N-CA	6.90	126.89	119.78
1	5P	346	VAL	CA-C-N	6.90	126.88	119.78
1	5P	346	VAL	C-N-CA	6.90	126.88	119.78
2	5h	86	VAL	CA-C-N	6.90	126.88	119.78
2	5h	86	VAL	C-N-CA	6.90	126.88	119.78
2	4f	86	VAL	CA-C-N	6.89	126.88	119.78
2	4f	86	VAL	C-N-CA	6.89	126.88	119.78
1	1F	438	ARG	CA-C-N	6.89	126.93	119.90
1	1F	438	ARG	C-N-CA	6.89	126.93	119.90
1	3S	346	VAL	CA-C-N	6.89	126.88	119.78
1	3S	346	VAL	C-N-CA	6.89	126.88	119.78
2	6g	86	VAL	CA-C-N	6.89	126.88	119.78
2	6g	86	VAL	C-N-CA	6.89	126.88	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	1r	86	VAL	CA-C-N	6.89	126.88	119.78
2	1r	86	VAL	C-N-CA	6.89	126.88	119.78
1	5V	346	VAL	CA-C-N	6.89	126.88	119.78
1	5V	346	VAL	C-N-CA	6.89	126.88	119.78
1	8d	438	ARG	CA-C-N	6.89	126.88	119.78
1	8d	438	ARG	C-N-CA	6.89	126.88	119.78
1	5K	346	VAL	CA-C-N	6.89	126.87	119.78
1	5K	346	VAL	C-N-CA	6.89	126.87	119.78
2	6o	86	VAL	CA-C-N	6.88	126.87	119.78
2	6o	86	VAL	C-N-CA	6.88	126.87	119.78
2	3q	86	VAL	CA-C-N	6.88	126.87	119.78
2	3q	86	VAL	C-N-CA	6.88	126.87	119.78
2	8e	86	VAL	CA-C-N	6.88	126.86	119.78
2	8e	86	VAL	C-N-CA	6.88	126.86	119.78
1	6P	91	ILE	CA-C-N	6.87	128.43	119.84
1	6P	91	ILE	C-N-CA	6.87	128.43	119.84
1	8R	438	ARG	CA-C-N	6.87	126.86	119.78
1	8R	438	ARG	C-N-CA	6.87	126.86	119.78
2	3k	86	VAL	CA-C-N	6.87	126.86	119.78
2	3k	86	VAL	C-N-CA	6.87	126.86	119.78
1	4W	81	ASN	CA-C-N	6.87	126.57	119.56
1	4W	81	ASN	C-N-CA	6.87	126.57	119.56
2	8q	86	VAL	CA-C-N	6.87	126.86	119.78
2	8q	86	VAL	C-N-CA	6.87	126.86	119.78
1	8F	438	ARG	CA-C-N	6.87	126.86	119.78
1	8F	438	ARG	C-N-CA	6.87	126.86	119.78
2	6m	86	VAL	CA-C-N	6.87	126.86	119.78
2	6m	86	VAL	C-N-CA	6.87	126.86	119.78
1	8X	438	ARG	CA-C-N	6.87	126.85	119.78
1	8X	438	ARG	C-N-CA	6.87	126.85	119.78
2	3m	86	VAL	CA-C-N	6.87	126.85	119.78
2	3m	86	VAL	C-N-CA	6.87	126.85	119.78
2	1f	86	VAL	CA-C-N	6.86	126.85	119.78
2	1f	86	VAL	C-N-CA	6.86	126.85	119.78
2	6e	86	VAL	CA-C-N	6.86	126.85	119.78
2	6e	86	VAL	C-N-CA	6.86	126.85	119.78
2	8k	86	VAL	CA-C-N	6.86	126.85	119.78
2	8k	86	VAL	C-N-CA	6.86	126.85	119.78
2	6u	86	VAL	CA-C-N	6.86	126.85	119.78
2	6u	86	VAL	C-N-CA	6.86	126.85	119.78
1	4E	81	ASN	CA-C-N	6.86	126.56	119.56
1	4E	81	ASN	C-N-CA	6.86	126.56	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8L	438	ARG	CA-C-N	6.86	126.84	119.78
1	8L	438	ARG	C-N-CA	6.86	126.84	119.78
1	8O	36	VAL	CA-C-N	6.86	126.56	119.56
1	8O	36	VAL	C-N-CA	6.86	126.56	119.56
1	8a	36	VAL	CA-C-N	6.86	126.56	119.56
1	8a	36	VAL	C-N-CA	6.86	126.56	119.56
2	6k	86	VAL	CA-C-N	6.86	126.84	119.78
2	6k	86	VAL	C-N-CA	6.86	126.84	119.78
2	3s	86	VAL	CA-C-N	6.86	126.84	119.78
2	3s	86	VAL	C-N-CA	6.86	126.84	119.78
1	7H	357	ASN	CA-C-N	-6.86	113.98	123.10
1	7H	357	ASN	C-N-CA	-6.86	113.98	123.10
1	8I	36	VAL	CA-C-N	6.86	126.55	119.56
1	8I	36	VAL	C-N-CA	6.86	126.55	119.56
1	8U	124	MET	CA-C-N	6.86	127.41	120.14
1	8U	124	MET	C-N-CA	6.86	127.41	120.14
1	7R	357	ASN	CA-C-N	-6.86	113.98	123.10
1	7R	357	ASN	C-N-CA	-6.86	113.98	123.10
2	3g	86	VAL	CA-C-N	6.85	126.84	119.78
2	3g	86	VAL	C-N-CA	6.85	126.84	119.78
2	6i	86	VAL	CA-C-N	6.85	126.84	119.78
2	6i	86	VAL	C-N-CA	6.85	126.84	119.78
1	8I	124	MET	CA-C-N	6.85	127.40	120.14
1	8I	124	MET	C-N-CA	6.85	127.40	120.14
2	3w	86	VAL	CA-C-N	6.85	126.84	119.78
2	3w	86	VAL	C-N-CA	6.85	126.84	119.78
1	3Y	346	VAL	CA-C-N	6.85	126.84	119.78
1	3Y	346	VAL	C-N-CA	6.85	126.84	119.78
2	4h	86	VAL	CA-C-N	6.85	126.84	119.78
2	4h	86	VAL	C-N-CA	6.85	126.84	119.78
2	1v	86	VAL	CA-C-N	6.85	126.84	119.78
2	1v	86	VAL	C-N-CA	6.85	126.84	119.78
1	6J	91	ILE	CA-C-N	6.85	128.40	119.84
1	6J	91	ILE	C-N-CA	6.85	128.40	119.84
2	3o	86	VAL	CA-C-N	6.85	126.83	119.78
2	3o	86	VAL	C-N-CA	6.85	126.83	119.78
2	3u	86	VAL	CA-C-N	6.85	126.83	119.78
2	3u	86	VAL	C-N-CA	6.85	126.83	119.78
1	1d	438	ARG	CA-C-N	6.84	126.88	119.90
1	1d	438	ARG	C-N-CA	6.84	126.88	119.90
1	8a	124	MET	CA-C-N	6.84	127.39	120.14
1	8a	124	MET	C-N-CA	6.84	127.39	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	1n	86	VAL	CA-C-N	6.84	126.83	119.78
2	1n	86	VAL	C-N-CA	6.84	126.83	119.78
1	8C	36	VAL	CA-C-N	6.84	126.53	119.56
1	8C	36	VAL	C-N-CA	6.84	126.53	119.56
1	8C	124	MET	CA-C-N	6.83	127.39	120.14
1	8C	124	MET	C-N-CA	6.83	127.39	120.14
1	7C	357	ASN	CA-C-N	-6.83	114.01	123.10
1	7C	357	ASN	C-N-CA	-6.83	114.01	123.10
1	4c	81	ASN	CA-C-N	6.83	126.53	119.56
1	4c	81	ASN	C-N-CA	6.83	126.53	119.56
1	4Q	81	ASN	CA-C-N	6.83	126.53	119.56
1	4Q	81	ASN	C-N-CA	6.83	126.53	119.56
2	3i	86	VAL	CA-C-N	6.83	126.82	119.78
2	3i	86	VAL	C-N-CA	6.83	126.82	119.78
1	6Q	262	ASP	CA-C-N	-6.83	116.28	122.97
1	6Q	262	ASP	C-N-CA	-6.83	116.28	122.97
2	4j	86	VAL	CA-C-N	6.83	126.81	119.78
2	4j	86	VAL	C-N-CA	6.83	126.81	119.78
1	8U	36	VAL	CA-C-N	6.83	126.52	119.56
1	8U	36	VAL	C-N-CA	6.83	126.52	119.56
2	8w	86	VAL	CA-C-N	6.83	126.81	119.78
2	8w	86	VAL	C-N-CA	6.83	126.81	119.78
1	8O	124	MET	CA-C-N	6.83	127.38	120.14
1	8O	124	MET	C-N-CA	6.83	127.38	120.14
2	3e	86	VAL	CA-C-N	6.83	126.81	119.78
2	3e	86	VAL	C-N-CA	6.83	126.81	119.78
2	1p	86	VAL	CA-C-N	6.83	126.81	119.78
2	1p	86	VAL	C-N-CA	6.83	126.81	119.78
2	6q	86	VAL	CA-C-N	6.83	126.81	119.78
2	6q	86	VAL	C-N-CA	6.83	126.81	119.78
1	2P	354	VAL	N-CA-C	6.82	118.13	107.28
1	7W	357	ASN	CA-C-N	-6.82	114.03	123.10
1	7W	357	ASN	C-N-CA	-6.82	114.03	123.10
2	1h	86	VAL	CA-C-N	6.82	126.81	119.78
2	1h	86	VAL	C-N-CA	6.82	126.81	119.78
1	5Y	250	ILE	N-CA-C	6.82	116.95	110.74
1	8Y	231	ARG	N-CA-C	-6.82	102.78	111.92
1	5S	250	ILE	N-CA-C	6.82	116.94	110.74
1	2A	354	VAL	N-CA-C	6.81	118.11	107.28
1	8G	231	ARG	N-CA-C	-6.81	102.79	111.92
1	2U	354	VAL	N-CA-C	6.81	118.11	107.28
1	1I	425	LYS	CA-C-N	6.81	126.73	119.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1I	425	LYS	C-N-CA	6.81	126.73	119.85
1	7M	357	ASN	CA-C-N	-6.81	114.04	123.10
1	7M	357	ASN	C-N-CA	-6.81	114.04	123.10
1	2F	354	VAL	N-CA-C	6.81	118.11	107.28
1	6W	262	ASP	CA-C-N	-6.81	116.30	122.97
1	6W	262	ASP	C-N-CA	-6.81	116.30	122.97
1	8M	231	ARG	N-CA-C	-6.81	102.80	111.92
1	8A	231	ARG	N-CA-C	-6.81	102.80	111.92
1	6c	262	ASP	CA-C-N	-6.81	116.30	122.97
1	6c	262	ASP	C-N-CA	-6.81	116.30	122.97
1	6E	262	ASP	CA-C-N	-6.80	116.30	122.97
1	6E	262	ASP	C-N-CA	-6.80	116.30	122.97
1	7O	124	MET	CA-C-N	6.80	126.56	119.76
1	7O	124	MET	C-N-CA	6.80	126.56	119.76
1	4a	124	MET	CA-C-N	6.80	126.77	119.76
1	4a	124	MET	C-N-CA	6.80	126.77	119.76
2	1x	86	VAL	CA-C-N	6.80	126.79	119.78
2	1x	86	VAL	C-N-CA	6.80	126.79	119.78
1	7E	124	MET	CA-C-N	6.80	126.56	119.76
1	7E	124	MET	C-N-CA	6.80	126.56	119.76
1	4O	124	MET	CA-C-N	6.80	126.77	119.76
1	4O	124	MET	C-N-CA	6.80	126.77	119.76
1	1X	36	VAL	CA-C-N	6.80	126.50	119.56
1	1X	36	VAL	C-N-CA	6.80	126.50	119.56
1	1F	36	VAL	CA-C-N	6.80	126.49	119.56
1	1F	36	VAL	C-N-CA	6.80	126.49	119.56
1	6I	81	ASN	CA-C-N	6.80	126.49	119.56
1	6I	81	ASN	C-N-CA	6.80	126.49	119.56
1	1L	36	VAL	CA-C-N	6.79	126.49	119.56
1	1L	36	VAL	C-N-CA	6.79	126.49	119.56
1	7J	124	MET	CA-C-N	6.79	126.55	119.76
1	7J	124	MET	C-N-CA	6.79	126.55	119.76
1	7T	124	MET	CA-C-N	6.79	126.55	119.76
1	7T	124	MET	C-N-CA	6.79	126.55	119.76
2	1l	86	VAL	CA-C-N	6.79	126.78	119.78
2	1l	86	VAL	C-N-CA	6.79	126.78	119.78
1	6K	262	ASP	CA-C-N	-6.79	116.31	122.97
1	6K	262	ASP	C-N-CA	-6.79	116.31	122.97
1	1d	36	VAL	CA-C-N	6.79	126.48	119.56
1	1d	36	VAL	C-N-CA	6.79	126.48	119.56
1	2K	354	VAL	N-CA-C	6.79	118.07	107.28
1	4O	81	ASN	CA-C-N	6.79	126.48	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4O	81	ASN	C-N-CA	6.79	126.48	119.56
1	4T	81	ASN	CA-C-N	6.79	126.93	119.87
1	4T	81	ASN	C-N-CA	6.79	126.93	119.87
1	8S	231	ARG	N-CA-C	-6.79	102.83	111.92
1	7Y	124	MET	CA-C-N	6.79	126.55	119.76
1	7Y	124	MET	C-N-CA	6.79	126.55	119.76
1	5A	250	ILE	N-CA-C	6.78	116.91	110.74
1	1U	425	LYS	CA-C-N	6.78	126.70	119.85
1	1U	425	LYS	C-N-CA	6.78	126.70	119.85
1	1C	425	LYS	CA-C-N	6.78	126.70	119.85
1	1C	425	LYS	C-N-CA	6.78	126.70	119.85
1	1O	425	LYS	CA-C-N	6.78	126.70	119.85
1	1O	425	LYS	C-N-CA	6.78	126.70	119.85
1	8Y	346	VAL	CA-C-N	6.78	126.74	119.76
1	8Y	346	VAL	C-N-CA	6.78	126.74	119.76
1	4C	124	MET	CA-C-N	6.78	126.74	119.76
1	4C	124	MET	C-N-CA	6.78	126.74	119.76
1	4U	81	ASN	CA-C-N	6.78	126.47	119.56
1	4U	81	ASN	C-N-CA	6.78	126.47	119.56
1	4B	81	ASN	CA-C-N	6.78	126.92	119.87
1	4B	81	ASN	C-N-CA	6.78	126.92	119.87
1	1a	425	LYS	CA-C-N	6.78	126.70	119.85
1	1a	425	LYS	C-N-CA	6.78	126.70	119.85
1	1R	36	VAL	CA-C-N	6.78	126.47	119.56
1	1R	36	VAL	C-N-CA	6.78	126.47	119.56
1	4U	124	MET	CA-C-N	6.78	126.74	119.76
1	4U	124	MET	C-N-CA	6.78	126.74	119.76
1	4C	425	LYS	CA-C-N	6.77	127.32	120.14
1	4C	425	LYS	C-N-CA	6.77	127.32	120.14
1	4I	81	ASN	CA-C-N	6.77	126.47	119.56
1	4I	81	ASN	C-N-CA	6.77	126.47	119.56
1	5M	250	ILE	N-CA-C	6.77	116.90	110.74
1	8N	81	ASN	CA-C-N	6.77	126.47	119.56
1	8N	81	ASN	C-N-CA	6.77	126.47	119.56
1	4Z	81	ASN	CA-C-N	6.77	126.91	119.87
1	4Z	81	ASN	C-N-CA	6.77	126.91	119.87
1	5G	250	ILE	N-CA-C	6.77	116.90	110.74
1	8G	346	VAL	CA-C-N	6.77	126.73	119.76
1	8G	346	VAL	C-N-CA	6.77	126.73	119.76
1	4U	425	LYS	CA-C-N	6.77	127.31	120.14
1	4U	425	LYS	C-N-CA	6.77	127.31	120.14
2	1t	86	VAL	CA-C-N	6.77	126.75	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	1t	86	VAL	C-N-CA	6.77	126.75	119.78
1	4C	81	ASN	CA-C-N	6.77	126.46	119.56
1	4C	81	ASN	C-N-CA	6.77	126.46	119.56
1	6a	81	ASN	CA-C-N	6.77	126.46	119.56
1	6a	81	ASN	C-N-CA	6.77	126.46	119.56
1	4I	425	LYS	CA-C-N	6.76	127.31	120.14
1	4I	425	LYS	C-N-CA	6.76	127.31	120.14
1	7P	346	VAL	CA-C-N	6.76	126.75	119.78
1	7P	346	VAL	C-N-CA	6.76	126.75	119.78
1	4O	425	LYS	CA-C-N	6.76	127.31	120.14
1	4O	425	LYS	C-N-CA	6.76	127.31	120.14
1	6C	81	ASN	CA-C-N	6.76	126.46	119.56
1	6C	81	ASN	C-N-CA	6.76	126.46	119.56
1	7A	376	THR	N-CA-C	-6.76	105.16	113.41
1	1V	124	MET	CA-C-N	6.76	126.74	119.78
1	1V	124	MET	C-N-CA	6.76	126.74	119.78
1	4N	81	ASN	CA-C-N	6.76	126.90	119.87
1	4N	81	ASN	C-N-CA	6.76	126.90	119.87
1	7K	376	THR	N-CA-C	-6.76	105.16	113.41
1	2W	346	VAL	CA-C-N	6.76	127.31	120.14
1	2W	346	VAL	C-N-CA	6.76	127.31	120.14
1	8A	346	VAL	CA-C-N	6.76	126.72	119.76
1	8A	346	VAL	C-N-CA	6.76	126.72	119.76
1	4I	124	MET	CA-C-N	6.76	126.72	119.76
1	4I	124	MET	C-N-CA	6.76	126.72	119.76
1	2M	346	VAL	CA-C-N	6.76	127.30	120.14
1	2M	346	VAL	C-N-CA	6.76	127.30	120.14
1	8M	346	VAL	CA-C-N	6.75	126.72	119.76
1	8M	346	VAL	C-N-CA	6.75	126.72	119.76
1	8P	47	VAL	N-CA-C	6.75	117.62	111.81
1	1D	124	MET	CA-C-N	6.75	126.73	119.78
1	1D	124	MET	C-N-CA	6.75	126.73	119.78
1	7A	346	VAL	CA-C-N	6.75	126.73	119.78
1	7A	346	VAL	C-N-CA	6.75	126.73	119.78
1	7K	346	VAL	CA-C-N	6.75	126.73	119.78
1	7K	346	VAL	C-N-CA	6.75	126.73	119.78
1	2C	346	VAL	CA-C-N	6.75	127.30	120.14
1	2C	346	VAL	C-N-CA	6.75	127.30	120.14
1	4H	81	ASN	CA-C-N	6.75	126.89	119.87
1	4H	81	ASN	C-N-CA	6.75	126.89	119.87
1	7P	376	THR	N-CA-C	-6.75	105.18	113.41
1	8b	47	VAL	N-CA-C	6.75	117.61	111.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7F	376	THR	N-CA-C	-6.74	105.18	113.41
1	7O	438	ARG	CA-C-N	6.74	126.71	119.76
1	7O	438	ARG	C-N-CA	6.74	126.71	119.76
1	7T	438	ARG	CA-C-N	6.74	126.71	119.76
1	7T	438	ARG	C-N-CA	6.74	126.71	119.76
1	6b	346	VAL	CA-C-N	6.74	126.66	119.85
1	6b	346	VAL	C-N-CA	6.74	126.66	119.85
1	2H	346	VAL	CA-C-N	6.74	127.29	120.14
1	2H	346	VAL	C-N-CA	6.74	127.29	120.14
1	8V	47	VAL	N-CA-C	6.74	117.61	111.81
1	8D	47	VAL	N-CA-C	6.74	117.61	111.81
1	1J	124	MET	CA-C-N	6.74	126.72	119.78
1	1J	124	MET	C-N-CA	6.74	126.72	119.78
1	8J	47	VAL	N-CA-C	6.74	117.61	111.81
1	8Y	81	ASN	CA-C-N	6.74	126.44	119.56
1	8Y	81	ASN	C-N-CA	6.74	126.44	119.56
1	4a	81	ASN	CA-C-N	6.74	126.43	119.56
1	4a	81	ASN	C-N-CA	6.74	126.43	119.56
1	2F	346	VAL	CA-C-N	6.74	126.65	119.85
1	2F	346	VAL	C-N-CA	6.74	126.65	119.85
1	6O	81	ASN	CA-C-N	6.74	126.43	119.56
1	6O	81	ASN	C-N-CA	6.74	126.43	119.56
1	8T	124	MET	CA-C-N	6.74	126.50	119.76
1	8T	124	MET	C-N-CA	6.74	126.50	119.76
1	4a	425	LYS	CA-C-N	6.74	127.28	120.14
1	4a	425	LYS	C-N-CA	6.74	127.28	120.14
1	7F	346	VAL	CA-C-N	6.73	126.71	119.78
1	7F	346	VAL	C-N-CA	6.73	126.71	119.78
1	8S	346	VAL	CA-C-N	6.73	126.69	119.76
1	8S	346	VAL	C-N-CA	6.73	126.69	119.76
1	2P	346	VAL	CA-C-N	6.73	126.65	119.85
1	2P	346	VAL	C-N-CA	6.73	126.65	119.85
1	5U	314	ASN	CA-C-N	6.73	127.31	120.04
1	5U	314	ASN	C-N-CA	6.73	127.31	120.04
1	6U	81	ASN	CA-C-N	6.73	126.43	119.56
1	6U	81	ASN	C-N-CA	6.73	126.43	119.56
1	5a	314	ASN	CA-C-N	6.73	127.31	120.04
1	5a	314	ASN	C-N-CA	6.73	127.31	120.04
1	2R	346	VAL	CA-C-N	6.73	127.27	120.14
1	2R	346	VAL	C-N-CA	6.73	127.27	120.14
1	7E	438	ARG	CA-C-N	6.73	126.69	119.76
1	7E	438	ARG	C-N-CA	6.73	126.69	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8H	81	ASN	CA-C-N	6.73	126.42	119.56
1	8H	81	ASN	C-N-CA	6.73	126.42	119.56
1	6V	346	VAL	CA-C-N	6.73	126.64	119.85
1	6V	346	VAL	C-N-CA	6.73	126.64	119.85
1	8B	81	ASN	CA-C-N	6.72	126.42	119.56
1	8B	81	ASN	C-N-CA	6.72	126.42	119.56
1	8H	124	MET	CA-C-N	6.72	126.48	119.76
1	8H	124	MET	C-N-CA	6.72	126.48	119.76
1	1b	124	MET	CA-C-N	6.72	126.70	119.78
1	1b	124	MET	C-N-CA	6.72	126.70	119.78
1	7U	376	THR	N-CA-C	-6.72	105.21	113.41
1	8B	124	MET	CA-C-N	6.72	126.48	119.76
1	8B	124	MET	C-N-CA	6.72	126.48	119.76
1	5I	314	ASN	CA-C-N	6.72	127.30	120.04
1	5I	314	ASN	C-N-CA	6.72	127.30	120.04
1	8R	425	LYS	CA-C-N	6.72	126.64	119.85
1	8R	425	LYS	C-N-CA	6.72	126.64	119.85
1	5a	36	VAL	CA-C-N	6.72	126.86	119.87
1	5a	36	VAL	C-N-CA	6.72	126.86	119.87
1	1L	91	ILE	CA-C-N	6.72	128.24	119.84
1	1L	91	ILE	C-N-CA	6.72	128.24	119.84
1	7J	438	ARG	CA-C-N	6.72	126.68	119.76
1	7J	438	ARG	C-N-CA	6.72	126.68	119.76
1	7Y	438	ARG	CA-C-N	6.72	126.68	119.76
1	7Y	438	ARG	C-N-CA	6.72	126.68	119.76
1	7U	346	VAL	CA-C-N	6.71	126.70	119.78
1	7U	346	VAL	C-N-CA	6.71	126.70	119.78
1	8F	425	LYS	CA-C-N	6.71	126.63	119.85
1	8F	425	LYS	C-N-CA	6.71	126.63	119.85
1	8K	438	ARG	CA-C-N	6.71	126.69	119.78
1	8K	438	ARG	C-N-CA	6.71	126.69	119.78
1	1P	124	MET	CA-C-N	6.71	126.69	119.78
1	1P	124	MET	C-N-CA	6.71	126.69	119.78
1	1R	91	ILE	CA-C-N	6.71	128.23	119.84
1	1R	91	ILE	C-N-CA	6.71	128.23	119.84
1	8N	124	MET	CA-C-N	6.71	126.47	119.76
1	8N	124	MET	C-N-CA	6.71	126.47	119.76
1	8Q	438	ARG	CA-C-N	6.71	126.69	119.78
1	8Q	438	ARG	C-N-CA	6.71	126.69	119.78
1	8S	81	ASN	CA-C-N	6.71	126.41	119.56
1	8S	81	ASN	C-N-CA	6.71	126.41	119.56
1	5C	36	VAL	CA-C-N	6.71	126.85	119.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5C	36	VAL	C-N-CA	6.71	126.85	119.87
1	5C	314	ASN	CA-C-N	6.71	127.29	120.04
1	5C	314	ASN	C-N-CA	6.71	127.29	120.04
1	6D	346	VAL	CA-C-N	6.71	126.63	119.85
1	6D	346	VAL	C-N-CA	6.71	126.63	119.85
1	1O	47	VAL	N-CA-C	6.71	117.58	111.81
1	2Y	355	SER	CA-C-N	-6.71	112.55	120.13
1	2Y	355	SER	C-N-CA	-6.71	112.55	120.13
1	1Y	202	GLU	CA-C-N	6.71	126.30	119.19
1	1Y	202	GLU	C-N-CA	6.71	126.30	119.19
1	5O	314	ASN	CA-C-N	6.70	127.28	120.04
1	5O	314	ASN	C-N-CA	6.70	127.28	120.04
1	3T	406	GLY	N-CA-C	-6.70	103.96	112.54
1	8Z	81	ASN	CA-C-N	6.70	126.40	119.56
1	8Z	81	ASN	C-N-CA	6.70	126.40	119.56
1	8A	81	ASN	CA-C-N	6.70	126.39	119.56
1	8A	81	ASN	C-N-CA	6.70	126.39	119.56
1	8E	438	ARG	CA-C-N	6.70	126.68	119.78
1	8E	438	ARG	C-N-CA	6.70	126.68	119.78
1	1F	91	ILE	CA-C-N	6.70	128.21	119.84
1	1F	91	ILE	C-N-CA	6.70	128.21	119.84
1	5U	36	VAL	CA-C-N	6.70	126.84	119.87
1	5U	36	VAL	C-N-CA	6.70	126.84	119.87
1	8Z	124	MET	CA-C-N	6.70	126.45	119.76
1	8Z	124	MET	C-N-CA	6.70	126.45	119.76
1	1a	47	VAL	N-CA-C	6.69	117.57	111.81
1	1C	47	VAL	N-CA-C	6.69	117.56	111.81
1	1G	202	GLU	CA-C-N	6.69	126.28	119.19
1	1G	202	GLU	C-N-CA	6.69	126.28	119.19
1	6J	346	VAL	CA-C-N	6.69	126.61	119.85
1	6J	346	VAL	C-N-CA	6.69	126.61	119.85
1	3P	319	TYR	N-CA-CB	-6.69	100.26	110.77
1	5O	36	VAL	CA-C-N	6.69	126.83	119.87
1	5O	36	VAL	C-N-CA	6.69	126.83	119.87
1	6P	346	VAL	CA-C-N	6.69	126.61	119.85
1	6P	346	VAL	C-N-CA	6.69	126.61	119.85
1	3K	124	MET	CA-C-N	6.69	126.67	119.78
1	3K	124	MET	C-N-CA	6.69	126.67	119.78
1	5I	36	VAL	CA-C-N	6.69	126.83	119.87
1	5I	36	VAL	C-N-CA	6.69	126.83	119.87
1	8d	425	LYS	CA-C-N	6.69	126.61	119.85
1	8d	425	LYS	C-N-CA	6.69	126.61	119.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3D	319	TYR	N-CA-CB	-6.69	100.27	110.77
1	8L	425	LYS	CA-C-N	6.69	126.61	119.85
1	8L	425	LYS	C-N-CA	6.69	126.61	119.85
1	8M	81	ASN	CA-C-N	6.69	126.38	119.56
1	8M	81	ASN	C-N-CA	6.69	126.38	119.56
2	8k	115	SER	N-CA-C	6.69	120.06	108.76
1	2J	355	SER	CA-C-N	-6.68	112.58	120.13
1	2J	355	SER	C-N-CA	-6.68	112.58	120.13
1	1A	202	GLU	CA-C-N	6.68	126.27	119.19
1	1A	202	GLU	C-N-CA	6.68	126.27	119.19
1	1M	202	GLU	CA-C-N	6.68	126.27	119.19
1	1M	202	GLU	C-N-CA	6.68	126.27	119.19
1	8G	81	ASN	CA-C-N	6.68	126.37	119.56
1	8G	81	ASN	C-N-CA	6.68	126.37	119.56
1	3b	319	TYR	N-CA-CB	-6.68	100.29	110.77
1	1I	47	VAL	N-CA-C	6.67	117.55	111.81
1	2J	346	VAL	CA-C-N	6.67	126.66	119.78
1	2J	346	VAL	C-N-CA	6.67	126.66	119.78
2	1t	115	SER	N-CA-C	6.67	120.04	108.76
1	3J	319	TYR	N-CA-CB	-6.67	100.29	110.77
1	8T	81	ASN	CA-C-N	6.67	126.37	119.56
1	8T	81	ASN	C-N-CA	6.67	126.37	119.56
1	8X	425	LYS	CA-C-N	6.67	126.59	119.85
1	8X	425	LYS	C-N-CA	6.67	126.59	119.85
1	2E	355	SER	CA-C-N	-6.67	112.59	120.13
1	2E	355	SER	C-N-CA	-6.67	112.59	120.13
1	3E	124	MET	CA-C-N	6.67	126.65	119.78
1	3E	124	MET	C-N-CA	6.67	126.65	119.78
1	2O	346	VAL	CA-C-N	6.67	126.65	119.78
1	2O	346	VAL	C-N-CA	6.67	126.65	119.78
1	2Y	346	VAL	CA-C-N	6.67	126.65	119.78
1	2Y	346	VAL	C-N-CA	6.67	126.65	119.78
1	7V	354	VAL	N-CA-C	6.67	117.33	106.72
2	1p	115	SER	N-CA-C	6.67	120.03	108.76
1	7B	354	VAL	N-CA-C	6.67	117.33	106.72
1	6G	234	ASN	CA-CB-CG	-6.67	105.93	112.60
1	8W	438	ARG	CA-C-N	6.67	126.65	119.78
1	8W	438	ARG	C-N-CA	6.67	126.65	119.78
1	2E	346	VAL	CA-C-N	6.67	126.65	119.78
1	2E	346	VAL	C-N-CA	6.67	126.65	119.78
1	7L	354	VAL	N-CA-C	6.67	117.32	106.72
1	3V	319	TYR	N-CA-CB	-6.67	100.30	110.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7Q	354	VAL	N-CA-C	6.67	117.32	106.72
1	1d	91	ILE	CA-C-N	6.67	128.18	119.84
1	1d	91	ILE	C-N-CA	6.67	128.18	119.84
1	3B	406	GLY	N-CA-C	-6.66	104.01	112.54
1	2T	346	VAL	CA-C-N	6.66	126.64	119.78
1	2T	346	VAL	C-N-CA	6.66	126.64	119.78
1	2T	355	SER	CA-C-N	-6.66	112.60	120.13
1	2T	355	SER	C-N-CA	-6.66	112.60	120.13
1	3c	124	MET	CA-C-N	6.66	126.64	119.78
1	3c	124	MET	C-N-CA	6.66	126.64	119.78
2	8q	115	SER	N-CA-C	6.66	120.02	108.76
1	2O	355	SER	CA-C-N	-6.66	112.60	120.13
1	2O	355	SER	C-N-CA	-6.66	112.60	120.13
1	1S	202	GLU	CA-C-N	6.66	126.25	119.19
1	1S	202	GLU	C-N-CA	6.66	126.25	119.19
1	1U	47	VAL	N-CA-C	6.66	117.54	111.81
1	1X	91	ILE	CA-C-N	6.66	128.16	119.84
1	1X	91	ILE	C-N-CA	6.66	128.16	119.84
1	6S	234	ASN	CA-CB-CG	-6.66	105.94	112.60
1	8c	438	ARG	CA-C-N	6.66	126.64	119.78
1	8c	438	ARG	C-N-CA	6.66	126.64	119.78
2	1h	115	SER	N-CA-C	6.66	120.02	108.76
2	8e	115	SER	N-CA-C	6.66	120.02	108.76
2	8w	115	SER	N-CA-C	6.66	120.02	108.76
2	9M	115	SER	N-CA-C	6.66	120.02	108.76
2	4j	115	SER	N-CA-C	6.66	120.01	108.76
1	8P	81	ASN	CA-C-N	6.65	126.35	119.56
1	8P	81	ASN	C-N-CA	6.65	126.35	119.56
2	1l	115	SER	N-CA-C	6.65	120.00	108.76
2	3k	115	SER	N-CA-C	6.65	120.00	108.76
1	6Y	234	ASN	CA-CB-CG	-6.65	105.95	112.60
2	4f	115	SER	N-CA-C	6.65	120.00	108.76
2	3o	115	SER	N-CA-C	6.65	120.00	108.76
2	1x	115	SER	N-CA-C	6.65	120.00	108.76
1	3N	406	GLY	N-CA-C	-6.65	104.03	112.54
1	3H	406	GLY	N-CA-C	-6.65	104.03	112.54
1	4H	383	VAL	N-CA-C	6.65	118.15	108.58
1	6A	234	ASN	CA-CB-CG	-6.65	105.95	112.60
1	8J	81	ASN	CA-C-N	6.65	126.34	119.56
1	8J	81	ASN	C-N-CA	6.65	126.34	119.56
1	2N	124	MET	CA-C-N	6.65	126.61	119.76
1	2N	124	MET	C-N-CA	6.65	126.61	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	4n	115	SER	N-CA-C	6.65	119.99	108.76
1	3Z	406	GLY	N-CA-C	-6.64	104.04	112.54
2	3g	115	SER	N-CA-C	6.64	119.99	108.76
2	6e	115	SER	N-CA-C	6.64	119.99	108.76
2	6u	115	SER	N-CA-C	6.64	119.99	108.76
1	2D	124	MET	CA-C-N	6.64	126.60	119.76
1	2D	124	MET	C-N-CA	6.64	126.60	119.76
1	5I	124	MET	CA-C-N	6.64	127.17	120.14
1	5I	124	MET	C-N-CA	6.64	127.17	120.14
1	7G	354	VAL	N-CA-C	6.64	117.27	106.72
1	8V	81	ASN	CA-C-N	6.63	126.33	119.56
1	8V	81	ASN	C-N-CA	6.63	126.33	119.56
1	2X	124	MET	CA-C-N	6.63	126.59	119.76
1	2X	124	MET	C-N-CA	6.63	126.59	119.76
1	5a	124	MET	CA-C-N	6.63	127.17	120.14
1	5a	124	MET	C-N-CA	6.63	127.17	120.14
2	3w	115	SER	N-CA-C	6.63	119.97	108.76
1	2I	124	MET	CA-C-N	6.63	126.59	119.76
1	2I	124	MET	C-N-CA	6.63	126.59	119.76
1	5U	124	MET	CA-C-N	6.63	127.17	120.14
1	5U	124	MET	C-N-CA	6.63	127.17	120.14
2	3e	115	SER	N-CA-C	6.63	119.97	108.76
2	8j	115	SER	N-CA-C	6.63	119.97	108.76
2	5h	115	SER	N-CA-C	6.63	119.97	108.76
2	6m	115	SER	N-CA-C	6.63	119.97	108.76
2	3s	115	SER	N-CA-C	6.63	119.97	108.76
2	9R	115	SER	N-CA-C	6.63	119.97	108.76
2	3m	115	SER	N-CA-C	6.63	119.97	108.76
2	1r	115	SER	N-CA-C	6.63	119.96	108.76
1	5C	124	MET	CA-C-N	6.63	127.17	120.14
1	5C	124	MET	C-N-CA	6.63	127.17	120.14
1	3Q	124	MET	CA-C-N	6.63	126.61	119.78
1	3Q	124	MET	C-N-CA	6.63	126.61	119.78
2	1f	115	SER	N-CA-C	6.63	119.96	108.76
2	6q	115	SER	N-CA-C	6.63	119.96	108.76
2	6k	115	SER	N-CA-C	6.63	119.96	108.76
2	8n	115	SER	N-CA-C	6.63	119.96	108.76
2	3q	115	SER	N-CA-C	6.63	119.96	108.76
2	8z	115	SER	N-CA-C	6.63	119.96	108.76
1	2S	124	MET	CA-C-N	6.62	126.58	119.76
1	2S	124	MET	C-N-CA	6.62	126.58	119.76
1	4T	383	VAL	N-CA-C	6.62	118.12	108.58

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	4h	115	SER	N-CA-C	6.62	119.96	108.76
1	1F	425	LYS	CA-C-N	6.62	128.12	119.84
1	1F	425	LYS	C-N-CA	6.62	128.12	119.84
1	4B	383	VAL	N-CA-C	6.62	118.12	108.58
1	1L	425	LYS	CA-C-N	6.62	128.12	119.84
1	1L	425	LYS	C-N-CA	6.62	128.12	119.84
1	3W	124	MET	CA-C-N	6.62	126.60	119.78
1	3W	124	MET	C-N-CA	6.62	126.60	119.78
1	1d	425	LYS	CA-C-N	6.62	128.12	119.84
1	1d	425	LYS	C-N-CA	6.62	128.12	119.84
2	3u	115	SER	N-CA-C	6.62	119.95	108.76
1	6M	234	ASN	CA-CB-CG	-6.62	105.98	112.60
1	8b	81	ASN	CA-C-N	6.62	126.31	119.56
1	8b	81	ASN	C-N-CA	6.62	126.31	119.56
2	6i	115	SER	N-CA-C	6.62	119.95	108.76
2	8p	115	SER	N-CA-C	6.62	119.95	108.76
2	1n	115	SER	N-CA-C	6.62	119.95	108.76
2	8v	115	SER	N-CA-C	6.62	119.95	108.76
2	6w	115	SER	N-CA-C	6.62	119.95	108.76
2	9P	115	SER	N-CA-C	6.62	119.95	108.76
1	8D	81	ASN	CA-C-N	6.62	126.31	119.56
1	8D	81	ASN	C-N-CA	6.62	126.31	119.56
1	1X	425	LYS	CA-C-N	6.62	128.12	119.84
1	1X	425	LYS	C-N-CA	6.62	128.12	119.84
2	5j	115	SER	N-CA-C	6.62	119.95	108.76
2	8h	115	SER	N-CA-C	6.62	119.94	108.76
2	6g	115	SER	N-CA-C	6.62	119.94	108.76
2	4l	115	SER	N-CA-C	6.62	119.94	108.76
2	9L	115	SER	N-CA-C	6.62	119.94	108.76
1	6G	263	VAL	N-CA-C	6.61	117.70	111.48
2	1j	115	SER	N-CA-C	6.61	119.93	108.76
1	1R	425	LYS	CA-C-N	6.61	128.10	119.84
1	1R	425	LYS	C-N-CA	6.61	128.10	119.84
1	4Q	36	VAL	CA-C-N	6.61	126.29	119.82
1	4Q	36	VAL	C-N-CA	6.61	126.29	119.82
2	5f	115	SER	N-CA-C	6.61	119.93	108.76
2	3i	115	SER	N-CA-C	6.61	119.93	108.76
2	6s	115	SER	N-CA-C	6.61	119.93	108.76
2	5n	115	SER	N-CA-C	6.61	119.93	108.76
1	4N	383	VAL	N-CA-C	6.61	118.09	108.58
1	4Z	383	VAL	N-CA-C	6.61	118.09	108.58
2	8t	115	SER	N-CA-C	6.60	119.92	108.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	6o	115	SER	N-CA-C	6.59	119.90	108.76
1	1R	226	LEU	CA-C-N	6.59	128.08	119.84
1	1R	226	LEU	C-N-CA	6.59	128.08	119.84
1	6M	263	VAL	N-CA-C	6.59	117.67	111.48
1	6S	263	VAL	N-CA-C	6.59	117.67	111.48
1	5O	124	MET	CA-C-N	6.59	127.12	120.14
1	5O	124	MET	C-N-CA	6.59	127.12	120.14
1	6Y	263	VAL	N-CA-C	6.59	117.67	111.48
2	1v	115	SER	N-CA-C	6.59	119.89	108.76
1	6A	263	VAL	N-CA-C	6.58	117.67	111.48
1	7P	295	VAL	N-CA-C	6.58	117.03	108.35
2	5l	115	SER	N-CA-C	6.58	119.87	108.76
1	1F	226	LEU	CA-C-N	6.57	128.06	119.84
1	1F	226	LEU	C-N-CA	6.57	128.06	119.84
1	4B	385	TRP	N-CA-C	6.57	118.45	109.11
1	7K	295	VAL	N-CA-C	6.56	117.01	108.35
2	2n	90	ASP	CA-C-N	6.56	128.04	119.84
2	2n	90	ASP	C-N-CA	6.56	128.04	119.84
2	2i	90	ASP	CA-C-N	6.56	128.04	119.84
2	2i	90	ASP	C-N-CA	6.56	128.04	119.84
1	7A	295	VAL	N-CA-C	6.55	117.00	108.35
1	3K	81	ASN	CA-C-N	6.55	126.25	119.56
1	3K	81	ASN	C-N-CA	6.55	126.25	119.56
1	7F	295	VAL	N-CA-C	6.55	117.00	108.35
1	9C	254	ASP	CA-CB-CG	-6.55	106.05	112.60
1	1d	226	LEU	CA-C-N	6.55	128.03	119.84
1	1d	226	LEU	C-N-CA	6.55	128.03	119.84
1	1L	226	LEU	CA-C-N	6.55	128.03	119.84
1	1L	226	LEU	C-N-CA	6.55	128.03	119.84
1	9D	254	ASP	CA-CB-CG	-6.54	106.06	112.60
1	9D	346	VAL	CA-C-N	6.54	126.52	119.78
1	9D	346	VAL	C-N-CA	6.54	126.52	119.78
1	4Z	385	TRP	N-CA-C	6.54	118.40	109.11
1	8a	81	ASN	CA-C-N	6.54	126.78	119.32
1	8a	81	ASN	C-N-CA	6.54	126.78	119.32
1	3c	81	ASN	CA-C-N	6.54	126.23	119.56
1	3c	81	ASN	C-N-CA	6.54	126.23	119.56
1	7U	295	VAL	N-CA-C	6.54	116.98	108.35
1	4E	36	VAL	CA-C-N	6.54	126.22	119.82
1	4E	36	VAL	C-N-CA	6.54	126.22	119.82
1	9B	254	ASP	CA-CB-CG	-6.53	106.07	112.60
1	4c	36	VAL	CA-C-N	6.53	126.22	119.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4c	36	VAL	C-N-CA	6.53	126.22	119.82
2	2d	90	ASP	CA-C-N	6.53	128.01	119.84
2	2d	90	ASP	C-N-CA	6.53	128.01	119.84
1	1X	226	LEU	CA-C-N	6.53	128.00	119.84
1	1X	226	LEU	C-N-CA	6.53	128.00	119.84
1	9A	346	VAL	CA-C-N	6.53	126.50	119.78
1	9A	346	VAL	C-N-CA	6.53	126.50	119.78
1	4W	36	VAL	CA-C-N	6.53	126.22	119.82
1	4W	36	VAL	C-N-CA	6.53	126.22	119.82
1	9E	254	ASP	CA-CB-CG	-6.53	106.07	112.60
2	7f	90	ASP	CA-C-N	6.53	128.00	119.84
2	7f	90	ASP	C-N-CA	6.53	128.00	119.84
1	9A	254	ASP	CA-CB-CG	-6.53	106.07	112.60
1	9C	346	VAL	CA-C-N	6.53	126.50	119.78
1	9C	346	VAL	C-N-CA	6.53	126.50	119.78
2	2s	90	ASP	CA-C-N	6.52	128.00	119.84
2	2s	90	ASP	C-N-CA	6.52	128.00	119.84
1	3E	81	ASN	CA-C-N	6.52	126.21	119.56
1	3E	81	ASN	C-N-CA	6.52	126.21	119.56
1	9B	346	VAL	CA-C-N	6.52	126.49	119.78
1	9B	346	VAL	C-N-CA	6.52	126.49	119.78
1	3W	81	ASN	CA-C-N	6.51	126.21	119.56
1	3W	81	ASN	C-N-CA	6.51	126.21	119.56
1	8U	81	ASN	CA-C-N	6.51	126.75	119.32
1	8U	81	ASN	C-N-CA	6.51	126.75	119.32
2	2w	90	ASP	CA-C-N	6.51	127.98	119.84
2	2w	90	ASP	C-N-CA	6.51	127.98	119.84
1	9E	346	VAL	CA-C-N	6.51	126.49	119.78
1	9E	346	VAL	C-N-CA	6.51	126.49	119.78
2	7a	90	ASP	CA-C-N	6.51	127.98	119.84
2	7a	90	ASP	C-N-CA	6.51	127.98	119.84
2	2r	90	ASP	CA-C-N	6.51	127.97	119.84
2	2r	90	ASP	C-N-CA	6.51	127.97	119.84
1	7V	346	VAL	CA-C-N	6.50	126.46	119.76
1	7V	346	VAL	C-N-CA	6.50	126.46	119.76
1	8C	81	ASN	CA-C-N	6.50	126.73	119.32
1	8C	81	ASN	C-N-CA	6.50	126.73	119.32
2	7p	90	ASP	CA-C-N	6.50	127.97	119.84
2	7p	90	ASP	C-N-CA	6.50	127.97	119.84
2	2x	90	ASP	CA-C-N	6.50	127.97	119.84
2	2x	90	ASP	C-N-CA	6.50	127.97	119.84
1	8I	81	ASN	CA-C-N	6.50	126.73	119.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8I	81	ASN	C-N-CA	6.50	126.73	119.32
2	7k	90	ASP	CA-C-N	6.50	127.96	119.84
2	7k	90	ASP	C-N-CA	6.50	127.96	119.84
2	7u	90	ASP	CA-C-N	6.50	127.96	119.84
2	7u	90	ASP	C-N-CA	6.50	127.96	119.84
2	2e	90	ASP	CA-C-N	6.49	127.96	119.84
2	2e	90	ASP	C-N-CA	6.49	127.96	119.84
1	6Q	346	VAL	CA-C-N	6.49	126.44	119.76
1	6Q	346	VAL	C-N-CA	6.49	126.44	119.76
2	2c	90	ASP	CA-C-N	6.49	127.95	119.84
2	2c	90	ASP	C-N-CA	6.49	127.95	119.84
1	4K	36	VAL	CA-C-N	6.49	126.18	119.82
1	4K	36	VAL	C-N-CA	6.49	126.18	119.82
1	7G	346	VAL	CA-C-N	6.49	126.44	119.76
1	7G	346	VAL	C-N-CA	6.49	126.44	119.76
1	3Q	81	ASN	CA-C-N	6.49	126.18	119.56
1	3Q	81	ASN	C-N-CA	6.49	126.18	119.56
1	3P	346	VAL	CA-C-N	6.49	126.45	120.03
1	3P	346	VAL	C-N-CA	6.49	126.45	120.03
1	8O	81	ASN	CA-C-N	6.49	126.72	119.32
1	8O	81	ASN	C-N-CA	6.49	126.72	119.32
1	3J	346	VAL	CA-C-N	6.48	126.44	120.03
1	3J	346	VAL	C-N-CA	6.48	126.44	120.03
1	7H	204	THR	N-CA-C	-6.48	99.46	109.76
1	6W	346	VAL	CA-C-N	6.48	126.44	119.76
1	6W	346	VAL	C-N-CA	6.48	126.44	119.76
1	7R	204	THR	N-CA-C	-6.48	99.46	109.76
2	2m	90	ASP	CA-C-N	6.48	127.94	119.84
2	2m	90	ASP	C-N-CA	6.48	127.94	119.84
2	8m	86	VAL	CA-C-N	6.48	126.43	119.76
2	8m	86	VAL	C-N-CA	6.48	126.43	119.76
2	7n	90	ASP	CA-C-N	6.47	127.93	119.84
2	7n	90	ASP	C-N-CA	6.47	127.93	119.84
2	2u	90	ASP	CA-C-N	6.47	127.93	119.84
2	2u	90	ASP	C-N-CA	6.47	127.93	119.84
2	7e	90	ASP	CA-C-N	6.47	127.93	119.84
2	7e	90	ASP	C-N-CA	6.47	127.93	119.84
1	7B	346	VAL	CA-C-N	6.47	126.42	119.76
1	7B	346	VAL	C-N-CA	6.47	126.42	119.76
1	6c	346	VAL	CA-C-N	6.47	126.42	119.76
1	6c	346	VAL	C-N-CA	6.47	126.42	119.76
1	6E	346	VAL	CA-C-N	6.47	126.42	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6E	346	VAL	C-N-CA	6.47	126.42	119.76
1	7M	204	THR	N-CA-C	-6.47	99.48	109.76
2	2f	90	ASP	CA-C-N	6.47	127.92	119.84
2	2f	90	ASP	C-N-CA	6.47	127.92	119.84
1	7C	204	THR	N-CA-C	-6.46	99.48	109.76
2	7Z	90	ASP	CA-C-N	6.46	127.92	119.84
2	7Z	90	ASP	C-N-CA	6.46	127.92	119.84
2	7g	90	ASP	CA-C-N	6.46	127.92	119.84
2	7g	90	ASP	C-N-CA	6.46	127.92	119.84
2	7t	90	ASP	CA-C-N	6.46	127.92	119.84
2	7t	90	ASP	C-N-CA	6.46	127.92	119.84
2	2j	90	ASP	CA-C-N	6.46	127.92	119.84
2	2j	90	ASP	C-N-CA	6.46	127.92	119.84
1	3D	346	VAL	CA-C-N	6.46	126.42	120.03
1	3D	346	VAL	C-N-CA	6.46	126.42	120.03
1	8M	438	ARG	CA-C-N	6.46	126.41	119.76
1	8M	438	ARG	C-N-CA	6.46	126.41	119.76
2	2h	90	ASP	CA-C-N	6.46	127.91	119.84
2	2h	90	ASP	C-N-CA	6.46	127.91	119.84
1	2J	425	LYS	CA-C-N	6.46	126.37	119.85
1	2J	425	LYS	C-N-CA	6.46	126.37	119.85
1	2Y	425	LYS	CA-C-N	6.46	126.37	119.85
1	2Y	425	LYS	C-N-CA	6.46	126.37	119.85
2	8s	86	VAL	CA-C-N	6.45	126.41	119.76
2	8s	86	VAL	C-N-CA	6.45	126.41	119.76
2	7d	90	ASP	CA-C-N	6.45	127.91	119.84
2	7d	90	ASP	C-N-CA	6.45	127.91	119.84
1	3a	81	ASN	CA-C-N	6.45	126.14	119.56
1	3a	81	ASN	C-N-CA	6.45	126.14	119.56
2	6v	86	VAL	CA-C-N	6.45	126.41	119.76
2	6v	86	VAL	C-N-CA	6.45	126.41	119.76
1	4E	438	ARG	CA-C-N	6.45	126.42	119.78
1	4E	438	ARG	C-N-CA	6.45	126.42	119.78
1	8S	438	ARG	CA-C-N	6.45	126.40	119.76
1	8S	438	ARG	C-N-CA	6.45	126.40	119.76
2	2a	90	ASP	CA-C-N	6.45	127.90	119.84
2	2a	90	ASP	C-N-CA	6.45	127.90	119.84
2	7j	90	ASP	CA-C-N	6.45	127.90	119.84
2	7j	90	ASP	C-N-CA	6.45	127.90	119.84
2	2p	90	ASP	CA-C-N	6.45	127.90	119.84
2	2p	90	ASP	C-N-CA	6.45	127.90	119.84
1	7L	346	VAL	CA-C-N	6.45	126.40	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7L	346	VAL	C-N-CA	6.45	126.40	119.76
1	4Q	438	ARG	CA-C-N	6.45	126.42	119.78
1	4Q	438	ARG	C-N-CA	6.45	126.42	119.78
2	2l	90	ASP	CA-C-N	6.45	127.90	119.84
2	2l	90	ASP	C-N-CA	6.45	127.90	119.84
1	8A	438	ARG	CA-C-N	6.44	126.40	119.76
1	8A	438	ARG	C-N-CA	6.44	126.40	119.76
1	7W	204	THR	N-CA-C	-6.44	99.51	109.76
2	2Z	90	ASP	CA-C-N	6.44	127.89	119.84
2	2Z	90	ASP	C-N-CA	6.44	127.89	119.84
2	8g	86	VAL	CA-C-N	6.44	126.40	119.76
2	8g	86	VAL	C-N-CA	6.44	126.40	119.76
2	7m	90	ASP	CA-C-N	6.44	127.89	119.84
2	7m	90	ASP	C-N-CA	6.44	127.89	119.84
2	7x	90	ASP	CA-C-N	6.44	127.89	119.84
2	7x	90	ASP	C-N-CA	6.44	127.89	119.84
1	3C	81	ASN	CA-C-N	6.44	126.13	119.56
1	3C	81	ASN	C-N-CA	6.44	126.13	119.56
2	2v	90	ASP	CA-C-N	6.44	127.89	119.84
2	2v	90	ASP	C-N-CA	6.44	127.89	119.84
2	9O	86	VAL	CA-C-N	6.44	126.39	119.76
2	9O	86	VAL	C-N-CA	6.44	126.39	119.76
1	4c	438	ARG	CA-C-N	6.44	126.41	119.78
1	4c	438	ARG	C-N-CA	6.44	126.41	119.78
2	2b	90	ASP	CA-C-N	6.44	127.89	119.84
2	2b	90	ASP	C-N-CA	6.44	127.89	119.84
2	6l	86	VAL	CA-C-N	6.44	126.39	119.76
2	6l	86	VAL	C-N-CA	6.44	126.39	119.76
2	7o	90	ASP	CA-C-N	6.44	127.89	119.84
2	7o	90	ASP	C-N-CA	6.44	127.89	119.84
2	9F	90	ASP	CA-C-N	6.44	127.89	119.84
2	9F	90	ASP	C-N-CA	6.44	127.89	119.84
1	7F	124	MET	CA-C-N	6.43	126.35	119.85
1	7F	124	MET	C-N-CA	6.43	126.35	119.85
2	7b	90	ASP	CA-C-N	6.43	127.88	119.84
2	7b	90	ASP	C-N-CA	6.43	127.88	119.84
1	6K	346	VAL	CA-C-N	6.43	126.39	119.76
1	6K	346	VAL	C-N-CA	6.43	126.39	119.76
1	3b	346	VAL	CA-C-N	6.43	126.40	120.03
1	3b	346	VAL	C-N-CA	6.43	126.40	120.03
2	9I	90	ASP	CA-C-N	6.43	127.88	119.84
2	9I	90	ASP	C-N-CA	6.43	127.88	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8O	438	ARG	CA-C-N	6.43	127.88	119.84
1	8O	438	ARG	C-N-CA	6.43	127.88	119.84
1	4K	438	ARG	CA-C-N	6.43	126.40	119.78
1	4K	438	ARG	C-N-CA	6.43	126.40	119.78
1	4W	438	ARG	CA-C-N	6.43	126.40	119.78
1	4W	438	ARG	C-N-CA	6.43	126.40	119.78
2	6j	86	VAL	CA-C-N	6.43	126.38	119.76
2	6j	86	VAL	C-N-CA	6.43	126.38	119.76
2	2k	90	ASP	CA-C-N	6.43	127.88	119.84
2	2k	90	ASP	C-N-CA	6.43	127.88	119.84
1	6M	81	ASN	CA-C-N	6.43	126.12	119.56
1	6M	81	ASN	C-N-CA	6.43	126.12	119.56
1	2E	425	LYS	CA-C-N	6.42	126.34	119.85
1	2E	425	LYS	C-N-CA	6.42	126.34	119.85
1	7K	124	MET	CA-C-N	6.42	126.34	119.85
1	7K	124	MET	C-N-CA	6.42	126.34	119.85
2	7h	90	ASP	CA-C-N	6.42	127.87	119.84
2	7h	90	ASP	C-N-CA	6.42	127.87	119.84
2	7i	90	ASP	CA-C-N	6.42	127.87	119.84
2	7i	90	ASP	C-N-CA	6.42	127.87	119.84
2	6n	86	VAL	CA-C-N	6.42	126.38	119.76
2	6n	86	VAL	C-N-CA	6.42	126.38	119.76
2	9H	90	ASP	CA-C-N	6.42	127.87	119.84
2	9H	90	ASP	C-N-CA	6.42	127.87	119.84
2	2g	90	ASP	CA-C-N	6.42	127.87	119.84
2	2g	90	ASP	C-N-CA	6.42	127.87	119.84
2	2o	90	ASP	CA-C-N	6.42	127.87	119.84
2	2o	90	ASP	C-N-CA	6.42	127.87	119.84
2	7s	90	ASP	CA-C-N	6.42	127.87	119.84
2	7s	90	ASP	C-N-CA	6.42	127.87	119.84
2	7v	90	ASP	CA-C-N	6.42	127.87	119.84
2	7v	90	ASP	C-N-CA	6.42	127.87	119.84
2	9G	90	ASP	CA-C-N	6.42	127.86	119.84
2	9G	90	ASP	C-N-CA	6.42	127.86	119.84
2	7q	90	ASP	CA-C-N	6.42	127.86	119.84
2	7q	90	ASP	C-N-CA	6.42	127.86	119.84
1	7Q	346	VAL	CA-C-N	6.42	126.37	119.76
1	7Q	346	VAL	C-N-CA	6.42	126.37	119.76
2	6f	86	VAL	CA-C-N	6.42	126.37	119.76
2	6f	86	VAL	C-N-CA	6.42	126.37	119.76
2	8r	86	VAL	CA-C-N	6.42	126.37	119.76
2	8r	86	VAL	C-N-CA	6.42	126.37	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	9J	90	ASP	CA-C-N	6.42	127.86	119.84
2	9J	90	ASP	C-N-CA	6.42	127.86	119.84
1	8a	438	ARG	CA-C-N	6.41	127.86	119.84
1	8a	438	ARG	C-N-CA	6.41	127.86	119.84
2	7c	90	ASP	CA-C-N	6.41	127.86	119.84
2	7c	90	ASP	C-N-CA	6.41	127.86	119.84
2	2t	90	ASP	CA-C-N	6.41	127.86	119.84
2	2t	90	ASP	C-N-CA	6.41	127.86	119.84
2	3j	86	VAL	CA-C-N	6.41	126.36	119.76
2	3j	86	VAL	C-N-CA	6.41	126.36	119.76
2	9Q	86	VAL	CA-C-N	6.41	126.36	119.76
2	9Q	86	VAL	C-N-CA	6.41	126.36	119.76
1	6G	81	ASN	CA-C-N	6.41	126.10	119.56
1	6G	81	ASN	C-N-CA	6.41	126.10	119.56
1	2G	202	GLU	CA-C-N	6.41	127.85	119.84
1	2G	202	GLU	C-N-CA	6.41	127.85	119.84
1	3I	438	ARG	N-CA-C	-6.41	100.08	109.50
1	2O	425	LYS	CA-C-N	6.41	126.32	119.85
1	2O	425	LYS	C-N-CA	6.41	126.32	119.85
1	2Q	202	GLU	CA-C-N	6.41	127.85	119.84
1	2Q	202	GLU	C-N-CA	6.41	127.85	119.84
1	5U	81	ASN	CA-C-N	6.41	126.10	119.56
1	5U	81	ASN	C-N-CA	6.41	126.10	119.56
2	8I	86	VAL	CA-C-N	6.41	126.36	119.76
2	8I	86	VAL	C-N-CA	6.41	126.36	119.76
1	7P	124	MET	CA-C-N	6.41	126.32	119.85
1	7P	124	MET	C-N-CA	6.41	126.32	119.85
1	3I	81	ASN	CA-C-N	6.41	126.09	119.56
1	3I	81	ASN	C-N-CA	6.41	126.09	119.56
1	6S	81	ASN	CA-C-N	6.41	126.09	119.56
1	6S	81	ASN	C-N-CA	6.41	126.09	119.56
1	3O	81	ASN	CA-C-N	6.40	126.09	119.56
1	3O	81	ASN	C-N-CA	6.40	126.09	119.56
1	8Y	438	ARG	CA-C-N	6.40	126.36	119.76
1	8Y	438	ARG	C-N-CA	6.40	126.36	119.76
2	2q	90	ASP	CA-C-N	6.40	127.84	119.84
2	2q	90	ASP	C-N-CA	6.40	127.84	119.84
2	8y	86	VAL	CA-C-N	6.40	126.36	119.76
2	8y	86	VAL	C-N-CA	6.40	126.36	119.76
2	3v	86	VAL	CA-C-N	6.40	126.36	119.76
2	3v	86	VAL	C-N-CA	6.40	126.36	119.76
1	2B	202	GLU	CA-C-N	6.40	127.84	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2B	202	GLU	C-N-CA	6.40	127.84	119.84
1	7A	124	MET	CA-C-N	6.40	126.32	119.85
1	7A	124	MET	C-N-CA	6.40	126.32	119.85
1	3U	81	ASN	CA-C-N	6.40	126.09	119.56
1	3U	81	ASN	C-N-CA	6.40	126.09	119.56
1	2T	425	LYS	CA-C-N	6.40	126.31	119.85
1	2T	425	LYS	C-N-CA	6.40	126.31	119.85
1	7U	124	MET	CA-C-N	6.40	126.31	119.85
1	7U	124	MET	C-N-CA	6.40	126.31	119.85
2	7I	90	ASP	CA-C-N	6.40	127.84	119.84
2	7I	90	ASP	C-N-CA	6.40	127.84	119.84
1	8U	438	ARG	CA-C-N	6.40	127.84	119.84
1	8U	438	ARG	C-N-CA	6.40	127.84	119.84
2	7w	90	ASP	CA-C-N	6.40	127.84	119.84
2	7w	90	ASP	C-N-CA	6.40	127.84	119.84
1	6A	81	ASN	CA-C-N	6.40	126.08	119.56
1	6A	81	ASN	C-N-CA	6.40	126.08	119.56
2	6x	86	VAL	CA-C-N	6.40	126.35	119.76
2	6x	86	VAL	C-N-CA	6.40	126.35	119.76
1	8C	438	ARG	CA-C-N	6.39	127.83	119.84
1	8C	438	ARG	C-N-CA	6.39	127.83	119.84
1	3O	438	ARG	N-CA-C	-6.39	100.10	109.50
1	2V	202	GLU	CA-C-N	6.39	127.83	119.84
1	2V	202	GLU	C-N-CA	6.39	127.83	119.84
1	8G	438	ARG	CA-C-N	6.39	126.34	119.76
1	8G	438	ARG	C-N-CA	6.39	126.34	119.76
1	8I	438	ARG	CA-C-N	6.39	127.83	119.84
1	8I	438	ARG	C-N-CA	6.39	127.83	119.84
1	7S	346	VAL	CA-C-N	6.39	126.92	120.14
1	7S	346	VAL	C-N-CA	6.39	126.92	120.14
2	1o	86	VAL	CA-C-N	6.39	126.34	119.76
2	1o	86	VAL	C-N-CA	6.39	126.34	119.76
2	1k	86	VAL	CA-C-N	6.39	126.34	119.76
2	1k	86	VAL	C-N-CA	6.39	126.34	119.76
2	3r	86	VAL	CA-C-N	6.39	126.34	119.76
2	3r	86	VAL	C-N-CA	6.39	126.34	119.76
1	3a	438	ARG	N-CA-C	-6.39	100.11	109.50
1	3V	319	TYR	N-CA-C	6.39	118.81	108.34
1	6Y	81	ASN	CA-C-N	6.39	126.08	119.56
1	6Y	81	ASN	C-N-CA	6.39	126.08	119.56
1	7X	346	VAL	CA-C-N	6.39	126.91	120.14
1	7X	346	VAL	C-N-CA	6.39	126.91	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	3f	86	VAL	CA-C-N	6.39	126.34	119.76
2	3f	86	VAL	C-N-CA	6.39	126.34	119.76
2	3p	86	VAL	CA-C-N	6.39	126.34	119.76
2	3p	86	VAL	C-N-CA	6.39	126.34	119.76
1	7D	346	VAL	CA-C-N	6.38	126.91	120.14
1	7D	346	VAL	C-N-CA	6.38	126.91	120.14
2	8f	86	VAL	CA-C-N	6.38	126.33	119.76
2	8f	86	VAL	C-N-CA	6.38	126.33	119.76
2	8i	86	VAL	CA-C-N	6.38	126.34	119.76
2	8i	86	VAL	C-N-CA	6.38	126.34	119.76
2	8o	86	VAL	CA-C-N	6.38	126.34	119.76
2	8o	86	VAL	C-N-CA	6.38	126.34	119.76
2	3t	86	VAL	CA-C-N	6.38	126.34	119.76
2	3t	86	VAL	C-N-CA	6.38	126.34	119.76
2	8u	86	VAL	CA-C-N	6.38	126.33	119.76
2	8u	86	VAL	C-N-CA	6.38	126.33	119.76
2	7r	90	ASP	CA-C-N	6.38	127.82	119.84
2	7r	90	ASP	C-N-CA	6.38	127.82	119.84
2	1q	86	VAL	CA-C-N	6.38	126.33	119.76
2	1q	86	VAL	C-N-CA	6.38	126.33	119.76
1	3U	438	ARG	N-CA-C	-6.38	100.12	109.50
1	3C	438	ARG	N-CA-C	-6.38	100.12	109.50
2	6r	86	VAL	CA-C-N	6.38	126.33	119.76
2	6r	86	VAL	C-N-CA	6.38	126.33	119.76
1	3D	319	TYR	N-CA-C	6.38	118.80	108.34
2	6h	86	VAL	CA-C-N	6.38	126.33	119.76
2	6h	86	VAL	C-N-CA	6.38	126.33	119.76
2	1m	86	VAL	CA-C-N	6.38	126.33	119.76
2	1m	86	VAL	C-N-CA	6.38	126.33	119.76
1	5I	81	ASN	CA-C-N	6.37	126.06	119.56
1	5I	81	ASN	C-N-CA	6.37	126.06	119.56
1	7N	346	VAL	CA-C-N	6.37	126.89	120.14
1	7N	346	VAL	C-N-CA	6.37	126.89	120.14
2	9N	86	VAL	CA-C-N	6.37	126.32	119.76
2	9N	86	VAL	C-N-CA	6.37	126.32	119.76
1	2T	91	ILE	CA-C-N	6.37	127.80	119.84
1	2T	91	ILE	C-N-CA	6.37	127.80	119.84
2	9K	86	VAL	CA-C-N	6.37	126.32	119.76
2	9K	86	VAL	C-N-CA	6.37	126.32	119.76
2	5k	86	VAL	CA-C-N	6.37	126.32	119.76
2	5k	86	VAL	C-N-CA	6.37	126.32	119.76
1	2L	202	GLU	CA-C-N	6.37	127.80	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2L	202	GLU	C-N-CA	6.37	127.80	119.84
2	3n	86	VAL	CA-C-N	6.37	126.32	119.76
2	3n	86	VAL	C-N-CA	6.37	126.32	119.76
2	8x	86	VAL	CA-C-N	6.37	126.32	119.76
2	8x	86	VAL	C-N-CA	6.37	126.32	119.76
1	3b	319	TYR	N-CA-C	6.36	118.78	108.34
2	1g	86	VAL	CA-C-N	6.36	126.31	119.76
2	1g	86	VAL	C-N-CA	6.36	126.31	119.76
2	3h	86	VAL	CA-C-N	6.36	126.31	119.76
2	3h	86	VAL	C-N-CA	6.36	126.31	119.76
2	1s	86	VAL	CA-C-N	6.36	126.31	119.76
2	1s	86	VAL	C-N-CA	6.36	126.31	119.76
2	6t	86	VAL	CA-C-N	6.36	126.31	119.76
2	6t	86	VAL	C-N-CA	6.36	126.31	119.76
1	3J	319	TYR	N-CA-C	6.36	118.77	108.34
1	5a	81	ASN	CA-C-N	6.36	126.05	119.56
1	5a	81	ASN	C-N-CA	6.36	126.05	119.56
1	3P	319	TYR	N-CA-C	6.36	118.77	108.34
1	5O	81	ASN	CA-C-N	6.36	126.05	119.56
1	5O	81	ASN	C-N-CA	6.36	126.05	119.56
1	5C	81	ASN	CA-C-N	6.36	126.05	119.56
1	5C	81	ASN	C-N-CA	6.36	126.05	119.56
1	2J	91	ILE	CA-C-N	6.36	127.79	119.84
1	2J	91	ILE	C-N-CA	6.36	127.79	119.84
2	1w	86	VAL	CA-C-N	6.36	126.31	119.76
2	1w	86	VAL	C-N-CA	6.36	126.31	119.76
1	5L	332	VAL	N-CA-C	6.35	117.00	108.11
2	5e	86	VAL	CA-C-N	6.35	126.30	119.76
2	5e	86	VAL	C-N-CA	6.35	126.30	119.76
1	4d	226	LEU	CA-C-N	6.35	126.27	119.85
1	4d	226	LEU	C-N-CA	6.35	126.27	119.85
2	1e	86	VAL	CA-C-N	6.35	126.30	119.76
2	1e	86	VAL	C-N-CA	6.35	126.30	119.76
1	2O	91	ILE	CA-C-N	6.35	127.78	119.84
1	2O	91	ILE	C-N-CA	6.35	127.78	119.84
1	2E	91	ILE	CA-C-N	6.35	127.78	119.84
1	2E	91	ILE	C-N-CA	6.35	127.78	119.84
1	2I	226	LEU	CA-C-N	6.35	126.32	119.78
1	2I	226	LEU	C-N-CA	6.35	126.32	119.78
2	6p	86	VAL	CA-C-N	6.35	126.30	119.76
2	6p	86	VAL	C-N-CA	6.35	126.30	119.76
2	3l	86	VAL	CA-C-N	6.35	126.30	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	3l	86	VAL	C-N-CA	6.35	126.30	119.76
1	2N	226	LEU	CA-C-N	6.34	126.32	119.78
1	2N	226	LEU	C-N-CA	6.34	126.32	119.78
1	4R	226	LEU	CA-C-N	6.34	126.26	119.85
1	4R	226	LEU	C-N-CA	6.34	126.26	119.85
1	9E	81	ASN	CA-C-N	6.34	126.03	119.56
1	9E	81	ASN	C-N-CA	6.34	126.03	119.56
1	5X	332	VAL	N-CA-C	6.34	116.99	108.11
1	2Y	91	ILE	CA-C-N	6.34	127.77	119.84
1	2Y	91	ILE	C-N-CA	6.34	127.77	119.84
1	5d	332	VAL	N-CA-C	6.34	116.99	108.11
2	5i	86	VAL	CA-C-N	6.34	126.29	119.76
2	5i	86	VAL	C-N-CA	6.34	126.29	119.76
1	8B	201	ASP	N-CA-C	6.34	118.95	108.49
1	8N	201	ASP	N-CA-C	6.34	118.95	108.49
2	1l	90	ASP	CA-C-N	6.34	127.76	119.84
2	1l	90	ASP	C-N-CA	6.34	127.76	119.84
2	3x	86	VAL	CA-C-N	6.34	126.29	119.76
2	3x	86	VAL	C-N-CA	6.34	126.29	119.76
1	8T	201	ASP	N-CA-C	6.34	118.95	108.49
2	5m	86	VAL	CA-C-N	6.34	126.29	119.76
2	5m	86	VAL	C-N-CA	6.34	126.29	119.76
1	7I	346	VAL	CA-C-N	6.33	126.86	120.14
1	7I	346	VAL	C-N-CA	6.33	126.86	120.14
1	4F	226	LEU	CA-C-N	6.33	126.25	119.85
1	4F	226	LEU	C-N-CA	6.33	126.25	119.85
2	1i	86	VAL	CA-C-N	6.33	126.28	119.76
2	1i	86	VAL	C-N-CA	6.33	126.28	119.76
1	5F	332	VAL	N-CA-C	6.33	116.97	108.11
1	8Z	201	ASP	N-CA-C	6.33	118.94	108.49
1	8H	201	ASP	N-CA-C	6.33	118.94	108.49
1	4L	226	LEU	CA-C-N	6.33	126.24	119.85
1	4L	226	LEU	C-N-CA	6.33	126.24	119.85
1	5R	332	VAL	N-CA-C	6.33	116.97	108.11
1	1c	91	ILE	CA-C-N	6.33	127.75	119.84
1	1c	91	ILE	C-N-CA	6.33	127.75	119.84
2	1u	86	VAL	CA-C-N	6.32	126.27	119.76
2	1u	86	VAL	C-N-CA	6.32	126.27	119.76
1	9B	81	ASN	CA-C-N	6.32	126.01	119.56
1	9B	81	ASN	C-N-CA	6.32	126.01	119.56
1	4Y	14	ILE	N-CA-C	6.32	116.72	107.37
1	9A	81	ASN	CA-C-N	6.32	126.00	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	9A	81	ASN	C-N-CA	6.32	126.00	119.56
1	2X	226	LEU	CA-C-N	6.32	126.29	119.78
1	2X	226	LEU	C-N-CA	6.32	126.29	119.78
1	9E	124	MET	CA-C-N	6.32	126.84	120.14
1	9E	124	MET	C-N-CA	6.32	126.84	120.14
1	1K	91	ILE	CA-C-N	6.31	127.73	119.84
1	1K	91	ILE	C-N-CA	6.31	127.73	119.84
1	9D	124	MET	CA-C-N	6.31	126.83	120.14
1	9D	124	MET	C-N-CA	6.31	126.83	120.14
1	9C	81	ASN	CA-C-N	6.31	126.00	119.56
1	9C	81	ASN	C-N-CA	6.31	126.00	119.56
2	8z	90	ASP	CA-C-N	6.31	127.73	119.84
2	8z	90	ASP	C-N-CA	6.31	127.73	119.84
2	5g	86	VAL	CA-C-N	6.31	126.26	119.76
2	5g	86	VAL	C-N-CA	6.31	126.26	119.76
2	1t	90	ASP	CA-C-N	6.31	127.72	119.84
2	1t	90	ASP	C-N-CA	6.31	127.72	119.84
1	4G	14	ILE	N-CA-C	6.30	116.70	107.37
1	6H	438	ARG	CA-C-N	6.30	126.25	119.76
1	6H	438	ARG	C-N-CA	6.30	126.25	119.76
1	4S	14	ILE	N-CA-C	6.30	116.70	107.37
2	1h	90	ASP	CA-C-N	6.30	127.72	119.84
2	1h	90	ASP	C-N-CA	6.30	127.72	119.84
1	2D	226	LEU	CA-C-N	6.30	126.27	119.78
1	2D	226	LEU	C-N-CA	6.30	126.27	119.78
1	6Z	438	ARG	CA-C-N	6.30	126.25	119.76
1	6Z	438	ARG	C-N-CA	6.30	126.25	119.76
1	4M	14	ILE	N-CA-C	6.30	116.69	107.37
2	8h	90	ASP	CA-C-N	6.30	127.71	119.84
2	8h	90	ASP	C-N-CA	6.30	127.71	119.84
2	4j	90	ASP	CA-C-N	6.30	127.71	119.84
2	4j	90	ASP	C-N-CA	6.30	127.71	119.84
1	4A	14	ILE	N-CA-C	6.29	116.69	107.37
1	6B	438	ARG	CA-C-N	6.29	126.24	119.76
1	6B	438	ARG	C-N-CA	6.29	126.24	119.76
1	4X	226	LEU	CA-C-N	6.29	126.21	119.85
1	4X	226	LEU	C-N-CA	6.29	126.21	119.85
2	4m	86	VAL	CA-C-N	6.29	126.24	119.76
2	4m	86	VAL	C-N-CA	6.29	126.24	119.76
1	6N	438	ARG	CA-C-N	6.29	126.24	119.76
1	6N	438	ARG	C-N-CA	6.29	126.24	119.76
2	8t	90	ASP	CA-C-N	6.29	127.70	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8t	90	ASP	C-N-CA	6.29	127.70	119.84
1	6O	36	VAL	CA-C-N	6.29	125.98	119.56
1	6O	36	VAL	C-N-CA	6.29	125.98	119.56
2	3q	90	ASP	CA-C-N	6.29	127.70	119.84
2	3q	90	ASP	C-N-CA	6.29	127.70	119.84
2	6m	90	ASP	CA-C-N	6.29	127.70	119.84
2	6m	90	ASP	C-N-CA	6.29	127.70	119.84
2	1r	90	ASP	CA-C-N	6.29	127.70	119.84
2	1r	90	ASP	C-N-CA	6.29	127.70	119.84
2	1p	90	ASP	CA-C-N	6.29	127.70	119.84
2	1p	90	ASP	C-N-CA	6.29	127.70	119.84
1	1E	91	ILE	CA-C-N	6.29	127.70	119.84
1	1E	91	ILE	C-N-CA	6.29	127.70	119.84
1	2S	226	LEU	CA-C-N	6.29	126.25	119.78
1	2S	226	LEU	C-N-CA	6.29	126.25	119.78
1	9D	81	ASN	CA-C-N	6.29	125.97	119.56
1	9D	81	ASN	C-N-CA	6.29	125.97	119.56
1	6a	36	VAL	CA-C-N	6.29	125.97	119.56
1	6a	36	VAL	C-N-CA	6.29	125.97	119.56
2	4e	86	VAL	CA-C-N	6.29	126.23	119.76
2	4e	86	VAL	C-N-CA	6.29	126.23	119.76
2	5l	90	ASP	CA-C-N	6.29	127.70	119.84
2	5l	90	ASP	C-N-CA	6.29	127.70	119.84
2	9P	90	ASP	CA-C-N	6.29	127.70	119.84
2	9P	90	ASP	C-N-CA	6.29	127.70	119.84
2	6i	90	ASP	CA-C-N	6.28	127.69	119.84
2	6i	90	ASP	C-N-CA	6.28	127.69	119.84
2	8n	90	ASP	CA-C-N	6.28	127.69	119.84
2	8n	90	ASP	C-N-CA	6.28	127.69	119.84
1	1W	91	ILE	CA-C-N	6.28	127.69	119.84
1	1W	91	ILE	C-N-CA	6.28	127.69	119.84
2	6e	90	ASP	CA-C-N	6.28	127.69	119.84
2	6e	90	ASP	C-N-CA	6.28	127.69	119.84
1	9C	124	MET	CA-C-N	6.28	126.80	120.14
1	9C	124	MET	C-N-CA	6.28	126.80	120.14
1	4W	91	ILE	CA-C-N	6.28	126.77	119.99
1	4W	91	ILE	C-N-CA	6.28	126.77	119.99
1	6C	36	VAL	CA-C-N	6.28	125.96	119.56
1	6C	36	VAL	C-N-CA	6.28	125.96	119.56
1	6U	36	VAL	CA-C-N	6.28	125.96	119.56
1	6U	36	VAL	C-N-CA	6.28	125.96	119.56
2	1x	90	ASP	CA-C-N	6.28	127.69	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	1x	90	ASP	C-N-CA	6.28	127.69	119.84
2	3u	90	ASP	CA-C-N	6.28	127.68	119.84
2	3u	90	ASP	C-N-CA	6.28	127.68	119.84
1	9A	124	MET	CA-C-N	6.27	126.79	120.14
1	9A	124	MET	C-N-CA	6.27	126.79	120.14
1	7J	287	SER	CB-CA-C	-6.27	108.33	115.79
1	7O	287	SER	CB-CA-C	-6.27	108.33	115.79
1	7T	287	SER	CB-CA-C	-6.27	108.33	115.79
2	1s	90	ASP	CA-C-N	6.27	127.68	119.84
2	1s	90	ASP	C-N-CA	6.27	127.68	119.84
2	6q	90	ASP	CA-C-N	6.27	127.68	119.84
2	6q	90	ASP	C-N-CA	6.27	127.68	119.84
1	7E	287	SER	CB-CA-C	-6.27	108.33	115.79
2	1i	90	ASP	CA-C-N	6.27	127.67	119.84
2	1i	90	ASP	C-N-CA	6.27	127.67	119.84
2	5k	90	ASP	CA-C-N	6.27	127.67	119.84
2	5k	90	ASP	C-N-CA	6.27	127.67	119.84
2	9R	90	ASP	CA-C-N	6.27	127.67	119.84
2	9R	90	ASP	C-N-CA	6.27	127.67	119.84
1	2S	425	LYS	CA-C-N	6.27	126.18	119.85
1	2S	425	LYS	C-N-CA	6.27	126.18	119.85
1	6T	438	ARG	CA-C-N	6.27	126.21	119.76
1	6T	438	ARG	C-N-CA	6.27	126.21	119.76
1	5B	346	VAL	CA-C-N	6.26	126.18	119.85
1	5B	346	VAL	C-N-CA	6.26	126.18	119.85
1	1Q	91	ILE	CA-C-N	6.26	127.67	119.84
1	1Q	91	ILE	C-N-CA	6.26	127.67	119.84
2	4g	86	VAL	CA-C-N	6.26	126.21	119.76
2	4g	86	VAL	C-N-CA	6.26	126.21	119.76
2	4n	90	ASP	CA-C-N	6.26	127.67	119.84
2	4n	90	ASP	C-N-CA	6.26	127.67	119.84
2	8v	90	ASP	CA-C-N	6.26	127.67	119.84
2	8v	90	ASP	C-N-CA	6.26	127.67	119.84
2	3x	90	ASP	CA-C-N	6.26	127.67	119.84
2	3x	90	ASP	C-N-CA	6.26	127.67	119.84
2	5m	90	ASP	CA-C-N	6.26	127.67	119.84
2	5m	90	ASP	C-N-CA	6.26	127.67	119.84
1	5T	346	VAL	CA-C-N	6.26	126.17	119.85
1	5T	346	VAL	C-N-CA	6.26	126.17	119.85
1	2Y	295	VAL	N-CA-C	6.26	116.61	108.35
2	1o	90	ASP	CA-C-N	6.26	127.67	119.84
2	1o	90	ASP	C-N-CA	6.26	127.67	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8s	90	ASP	CA-C-N	6.26	127.66	119.84
2	8s	90	ASP	C-N-CA	6.26	127.66	119.84
2	5f	90	ASP	CA-C-N	6.25	127.66	119.84
2	5f	90	ASP	C-N-CA	6.25	127.66	119.84
1	2N	425	LYS	CA-C-N	6.25	126.17	119.85
1	2N	425	LYS	C-N-CA	6.25	126.17	119.85
1	2O	295	VAL	N-CA-C	6.25	116.60	108.35
2	8j	90	ASP	CA-C-N	6.25	127.66	119.84
2	8j	90	ASP	C-N-CA	6.25	127.66	119.84
2	4h	90	ASP	CA-C-N	6.25	127.66	119.84
2	4h	90	ASP	C-N-CA	6.25	127.66	119.84
2	1n	90	ASP	CA-C-N	6.25	127.66	119.84
2	1n	90	ASP	C-N-CA	6.25	127.66	119.84
1	2D	425	LYS	CA-C-N	6.25	126.17	119.85
1	2D	425	LYS	C-N-CA	6.25	126.17	119.85
1	2I	425	LYS	CA-C-N	6.25	126.17	119.85
1	2I	425	LYS	C-N-CA	6.25	126.17	119.85
1	5N	346	VAL	CA-C-N	6.25	126.16	119.85
1	5N	346	VAL	C-N-CA	6.25	126.16	119.85
2	4i	86	VAL	CA-C-N	6.25	126.20	119.76
2	4i	86	VAL	C-N-CA	6.25	126.20	119.76
2	6u	90	ASP	CA-C-N	6.25	127.65	119.84
2	6u	90	ASP	C-N-CA	6.25	127.65	119.84
2	9N	90	ASP	CA-C-N	6.25	127.66	119.84
2	9N	90	ASP	C-N-CA	6.25	127.66	119.84
2	5h	90	ASP	CA-C-N	6.25	127.65	119.84
2	5h	90	ASP	C-N-CA	6.25	127.65	119.84
1	2E	295	VAL	N-CA-C	6.25	116.60	108.35
2	1g	90	ASP	CA-C-N	6.25	127.65	119.84
2	1g	90	ASP	C-N-CA	6.25	127.65	119.84
2	3e	90	ASP	CA-C-N	6.25	127.65	119.84
2	3e	90	ASP	C-N-CA	6.25	127.65	119.84
2	8l	90	ASP	CA-C-N	6.25	127.65	119.84
2	8l	90	ASP	C-N-CA	6.25	127.65	119.84
2	3o	90	ASP	CA-C-N	6.25	127.65	119.84
2	3o	90	ASP	C-N-CA	6.25	127.65	119.84
1	6S	438	ARG	CA-C-N	6.25	127.65	119.84
1	6S	438	ARG	C-N-CA	6.25	127.65	119.84
2	1f	90	ASP	CA-C-N	6.25	127.65	119.84
2	1f	90	ASP	C-N-CA	6.25	127.65	119.84
2	1v	90	ASP	CA-C-N	6.25	127.65	119.84
2	1v	90	ASP	C-N-CA	6.25	127.65	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7K	332	VAL	N-CA-C	6.25	117.11	108.12
1	5Z	346	VAL	CA-C-N	6.25	126.16	119.85
1	5Z	346	VAL	C-N-CA	6.25	126.16	119.85
2	4f	90	ASP	CA-C-N	6.25	127.65	119.84
2	4f	90	ASP	C-N-CA	6.25	127.65	119.84
1	9B	124	MET	CA-C-N	6.24	126.76	120.14
1	9B	124	MET	C-N-CA	6.24	126.76	120.14
1	7P	332	VAL	N-CA-C	6.24	117.11	108.12
2	9M	90	ASP	CA-C-N	6.24	127.64	119.84
2	9M	90	ASP	C-N-CA	6.24	127.64	119.84
1	7Y	287	SER	CB-CA-C	-6.24	108.36	115.79
2	5j	90	ASP	CA-C-N	6.24	127.64	119.84
2	5j	90	ASP	C-N-CA	6.24	127.64	119.84
1	1H	252	ASP	N-CA-C	6.24	120.90	113.16
2	4g	90	ASP	CA-C-N	6.24	127.64	119.84
2	4g	90	ASP	C-N-CA	6.24	127.64	119.84
2	3m	90	ASP	CA-C-N	6.24	127.64	119.84
2	3m	90	ASP	C-N-CA	6.24	127.64	119.84
2	8u	90	ASP	CA-C-N	6.24	127.64	119.84
2	8u	90	ASP	C-N-CA	6.24	127.64	119.84
2	3v	90	ASP	CA-C-N	6.24	127.64	119.84
2	3v	90	ASP	C-N-CA	6.24	127.64	119.84
2	6w	90	ASP	CA-C-N	6.24	127.64	119.84
2	6w	90	ASP	C-N-CA	6.24	127.64	119.84
2	5e	90	ASP	CA-C-N	6.24	127.64	119.84
2	5e	90	ASP	C-N-CA	6.24	127.64	119.84
2	8f	90	ASP	CA-C-N	6.24	127.64	119.84
2	8f	90	ASP	C-N-CA	6.24	127.64	119.84
2	5i	90	ASP	CA-C-N	6.24	127.64	119.84
2	5i	90	ASP	C-N-CA	6.24	127.64	119.84
2	6s	90	ASP	CA-C-N	6.24	127.64	119.84
2	6s	90	ASP	C-N-CA	6.24	127.64	119.84
2	8x	90	ASP	CA-C-N	6.24	127.64	119.84
2	8x	90	ASP	C-N-CA	6.24	127.64	119.84
2	8y	90	ASP	CA-C-N	6.24	127.64	119.84
2	8y	90	ASP	C-N-CA	6.24	127.64	119.84
1	7U	332	VAL	N-CA-C	6.24	117.10	108.12
1	8b	438	ARG	CA-C-N	6.24	127.64	119.84
1	8b	438	ARG	C-N-CA	6.24	127.64	119.84
2	6g	90	ASP	CA-C-N	6.24	127.64	119.84
2	6g	90	ASP	C-N-CA	6.24	127.64	119.84
2	8p	90	ASP	CA-C-N	6.24	127.64	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8p	90	ASP	C-N-CA	6.24	127.64	119.84
2	9O	90	ASP	CA-C-N	6.24	127.64	119.84
2	9O	90	ASP	C-N-CA	6.24	127.64	119.84
1	2J	295	VAL	N-CA-C	6.24	116.58	108.35
1	6I	36	VAL	CA-C-N	6.24	125.92	119.56
1	6I	36	VAL	C-N-CA	6.24	125.92	119.56
2	8g	90	ASP	CA-C-N	6.24	127.64	119.84
2	8g	90	ASP	C-N-CA	6.24	127.64	119.84
2	1k	90	ASP	CA-C-N	6.24	127.64	119.84
2	1k	90	ASP	C-N-CA	6.24	127.64	119.84
2	3k	90	ASP	CA-C-N	6.24	127.64	119.84
2	3k	90	ASP	C-N-CA	6.24	127.64	119.84
2	3l	90	ASP	CA-C-N	6.24	127.63	119.84
2	3l	90	ASP	C-N-CA	6.24	127.63	119.84
2	4k	86	VAL	CA-C-N	6.24	126.18	119.76
2	4k	86	VAL	C-N-CA	6.24	126.18	119.76
2	4l	90	ASP	CA-C-N	6.24	127.63	119.84
2	4l	90	ASP	C-N-CA	6.24	127.63	119.84
1	4Q	91	ILE	CA-C-N	6.23	126.72	119.99
1	4Q	91	ILE	C-N-CA	6.23	126.72	119.99
1	2T	295	VAL	N-CA-C	6.23	116.58	108.35
1	7P	317	GLY	N-CA-C	-6.23	103.57	112.55
2	1m	90	ASP	CA-C-N	6.23	127.63	119.84
2	1m	90	ASP	C-N-CA	6.23	127.63	119.84
2	4i	90	ASP	CA-C-N	6.23	127.63	119.84
2	4i	90	ASP	C-N-CA	6.23	127.63	119.84
2	3f	90	ASP	CA-C-N	6.23	127.63	119.84
2	3f	90	ASP	C-N-CA	6.23	127.63	119.84
2	8e	90	ASP	CA-C-N	6.23	127.63	119.84
2	8e	90	ASP	C-N-CA	6.23	127.63	119.84
2	3t	90	ASP	CA-C-N	6.23	127.63	119.84
2	3t	90	ASP	C-N-CA	6.23	127.63	119.84
1	5X	346	VAL	CA-C-N	6.23	126.14	119.85
1	5X	346	VAL	C-N-CA	6.23	126.14	119.85
1	5b	425	LYS	CA-C-N	6.23	127.63	119.84
1	5b	425	LYS	C-N-CA	6.23	127.63	119.84
2	1j	90	ASP	CA-C-N	6.23	127.63	119.84
2	1j	90	ASP	C-N-CA	6.23	127.63	119.84
2	4k	90	ASP	CA-C-N	6.23	127.63	119.84
2	4k	90	ASP	C-N-CA	6.23	127.63	119.84
2	3w	90	ASP	CA-C-N	6.23	127.63	119.84
2	3w	90	ASP	C-N-CA	6.23	127.63	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5F	346	VAL	CA-C-N	6.23	126.14	119.85
1	5F	346	VAL	C-N-CA	6.23	126.14	119.85
1	2O	335	PHE	N-CA-C	-6.23	101.30	110.52
2	3h	90	ASP	CA-C-N	6.23	127.63	119.84
2	3h	90	ASP	C-N-CA	6.23	127.63	119.84
2	9L	90	ASP	CA-C-N	6.23	127.63	119.84
2	9L	90	ASP	C-N-CA	6.23	127.63	119.84
1	7F	317	GLY	N-CA-C	-6.23	103.58	112.55
1	1N	252	ASP	N-CA-C	6.23	120.88	113.16
1	1D	346	VAL	CA-C-N	6.22	126.14	119.85
1	1D	346	VAL	C-N-CA	6.22	126.14	119.85
1	6Y	438	ARG	CA-C-N	6.22	127.62	119.84
1	6Y	438	ARG	C-N-CA	6.22	127.62	119.84
2	4e	90	ASP	CA-C-N	6.22	127.62	119.84
2	4e	90	ASP	C-N-CA	6.22	127.62	119.84
2	8o	90	ASP	CA-C-N	6.22	127.62	119.84
2	8o	90	ASP	C-N-CA	6.22	127.62	119.84
2	3n	90	ASP	CA-C-N	6.22	127.62	119.84
2	3n	90	ASP	C-N-CA	6.22	127.62	119.84
2	8r	90	ASP	CA-C-N	6.22	127.62	119.84
2	8r	90	ASP	C-N-CA	6.22	127.62	119.84
2	1w	90	ASP	CA-C-N	6.22	127.62	119.84
2	1w	90	ASP	C-N-CA	6.22	127.62	119.84
1	7A	332	VAL	N-CA-C	6.22	117.08	108.12
1	5L	346	VAL	CA-C-N	6.22	126.14	119.85
1	5L	346	VAL	C-N-CA	6.22	126.14	119.85
1	7F	332	VAL	N-CA-C	6.22	117.08	108.12
1	5d	346	VAL	CA-C-N	6.22	126.14	119.85
1	5d	346	VAL	C-N-CA	6.22	126.14	119.85
2	3g	90	ASP	CA-C-N	6.22	127.62	119.84
2	3g	90	ASP	C-N-CA	6.22	127.62	119.84
2	3i	90	ASP	CA-C-N	6.22	127.62	119.84
2	3i	90	ASP	C-N-CA	6.22	127.62	119.84
2	9K	90	ASP	CA-C-N	6.22	127.62	119.84
2	9K	90	ASP	C-N-CA	6.22	127.62	119.84
1	2E	335	PHE	N-CA-C	-6.22	101.31	110.52
1	1T	252	ASP	N-CA-C	6.22	120.87	113.16
1	2X	425	LYS	CA-C-N	6.22	126.13	119.85
1	2X	425	LYS	C-N-CA	6.22	126.13	119.85
1	1J	346	VAL	CA-C-N	6.22	126.13	119.85
1	1J	346	VAL	C-N-CA	6.22	126.13	119.85
1	1P	346	VAL	CA-C-N	6.22	126.13	119.85

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1P	346	VAL	C-N-CA	6.22	126.13	119.85
1	1V	346	VAL	CA-C-N	6.22	126.13	119.85
1	1V	346	VAL	C-N-CA	6.22	126.13	119.85
2	6o	90	ASP	CA-C-N	6.22	127.61	119.84
2	6o	90	ASP	C-N-CA	6.22	127.61	119.84
2	3j	90	ASP	CA-C-N	6.22	127.61	119.84
2	3j	90	ASP	C-N-CA	6.22	127.61	119.84
2	5n	90	ASP	CA-C-N	6.22	127.61	119.84
2	5n	90	ASP	C-N-CA	6.22	127.61	119.84
1	8D	438	ARG	CA-C-N	6.22	127.61	119.84
1	8D	438	ARG	C-N-CA	6.22	127.61	119.84
1	5J	425	LYS	CA-C-N	6.22	127.61	119.84
1	5J	425	LYS	C-N-CA	6.22	127.61	119.84
1	6K	19	ASP	CA-CB-CG	-6.22	106.38	112.60
1	6W	19	ASP	CA-CB-CG	-6.22	106.38	112.60
2	8i	90	ASP	CA-C-N	6.22	127.61	119.84
2	8i	90	ASP	C-N-CA	6.22	127.61	119.84
2	1u	90	ASP	CA-C-N	6.22	127.61	119.84
2	1u	90	ASP	C-N-CA	6.22	127.61	119.84
1	5R	346	VAL	CA-C-N	6.21	126.13	119.85
1	5R	346	VAL	C-N-CA	6.21	126.13	119.85
1	3V	346	VAL	CA-C-N	6.21	126.40	120.31
1	3V	346	VAL	C-N-CA	6.21	126.40	120.31
1	1b	346	VAL	CA-C-N	6.21	126.13	119.85
1	1b	346	VAL	C-N-CA	6.21	126.13	119.85
2	1e	90	ASP	CA-C-N	6.21	127.61	119.84
2	1e	90	ASP	C-N-CA	6.21	127.61	119.84
1	5P	425	LYS	CA-C-N	6.21	127.61	119.84
1	5P	425	LYS	C-N-CA	6.21	127.61	119.84
1	6A	438	ARG	CA-C-N	6.21	127.61	119.84
1	6A	438	ARG	C-N-CA	6.21	127.61	119.84
1	5H	346	VAL	CA-C-N	6.21	126.12	119.85
1	5H	346	VAL	C-N-CA	6.21	126.12	119.85
1	2Y	335	PHE	N-CA-C	-6.21	101.33	110.52
2	5g	90	ASP	CA-C-N	6.21	127.61	119.84
2	5g	90	ASP	C-N-CA	6.21	127.61	119.84
2	3p	90	ASP	CA-C-N	6.21	127.61	119.84
2	3p	90	ASP	C-N-CA	6.21	127.61	119.84
2	8q	90	ASP	CA-C-N	6.21	127.61	119.84
2	8q	90	ASP	C-N-CA	6.21	127.61	119.84
2	9Q	90	ASP	CA-C-N	6.21	127.61	119.84
2	9Q	90	ASP	C-N-CA	6.21	127.61	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	6k	90	ASP	CA-C-N	6.21	127.60	119.84
2	6k	90	ASP	C-N-CA	6.21	127.60	119.84
1	4E	91	ILE	CA-C-N	6.21	126.69	119.99
1	4E	91	ILE	C-N-CA	6.21	126.69	119.99
1	5D	425	LYS	CA-C-N	6.21	127.60	119.84
1	5D	425	LYS	C-N-CA	6.21	127.60	119.84
2	6t	90	ASP	CA-C-N	6.21	127.60	119.84
2	6t	90	ASP	C-N-CA	6.21	127.60	119.84
2	4m	90	ASP	CA-C-N	6.21	127.60	119.84
2	4m	90	ASP	C-N-CA	6.21	127.60	119.84
1	1B	252	ASP	N-CA-C	6.20	120.85	113.16
1	6G	438	ARG	CA-C-N	6.20	127.59	119.84
1	6G	438	ARG	C-N-CA	6.20	127.59	119.84
1	6N	334	ARG	N-CA-C	-6.20	101.75	110.50
1	2T	335	PHE	N-CA-C	-6.20	101.34	110.52
2	3s	90	ASP	CA-C-N	6.20	127.59	119.84
2	3s	90	ASP	C-N-CA	6.20	127.59	119.84
2	8w	90	ASP	CA-C-N	6.20	127.59	119.84
2	8w	90	ASP	C-N-CA	6.20	127.59	119.84
1	6E	19	ASP	CA-CB-CG	-6.20	106.40	112.60
1	6M	438	ARG	CA-C-N	6.20	127.59	119.84
1	6M	438	ARG	C-N-CA	6.20	127.59	119.84
1	2J	335	PHE	N-CA-C	-6.20	101.34	110.52
1	8P	438	ARG	CA-C-N	6.20	127.59	119.84
1	8P	438	ARG	C-N-CA	6.20	127.59	119.84
1	5Z	392	THR	CB-CA-C	-6.20	109.41	116.54
1	6c	19	ASP	CA-CB-CG	-6.20	106.40	112.60
2	8k	90	ASP	CA-C-N	6.20	127.59	119.84
2	8k	90	ASP	C-N-CA	6.20	127.59	119.84
1	7A	317	GLY	N-CA-C	-6.20	103.62	112.55
1	3L	124	MET	CA-C-N	6.20	126.14	119.76
1	3L	124	MET	C-N-CA	6.20	126.14	119.76
1	6Q	19	ASP	CA-CB-CG	-6.20	106.40	112.60
1	7K	317	GLY	N-CA-C	-6.20	103.62	112.55
2	8m	90	ASP	CA-C-N	6.20	127.59	119.84
2	8m	90	ASP	C-N-CA	6.20	127.59	119.84
1	8V	438	ARG	CA-C-N	6.20	127.58	119.84
1	8V	438	ARG	C-N-CA	6.20	127.58	119.84
2	1q	90	ASP	CA-C-N	6.20	127.58	119.84
2	1q	90	ASP	C-N-CA	6.20	127.58	119.84
2	3r	90	ASP	CA-C-N	6.19	127.58	119.84
2	3r	90	ASP	C-N-CA	6.19	127.58	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5B	392	THR	CB-CA-C	-6.19	109.42	116.54
1	4K	91	ILE	CA-C-N	6.19	126.68	119.99
1	4K	91	ILE	C-N-CA	6.19	126.68	119.99
1	2N	438	ARG	CA-C-N	6.19	126.14	119.76
1	2N	438	ARG	C-N-CA	6.19	126.14	119.76
1	3R	124	MET	CA-C-N	6.19	126.14	119.76
1	3R	124	MET	C-N-CA	6.19	126.14	119.76
1	8J	438	ARG	CA-C-N	6.19	127.58	119.84
1	8J	438	ARG	C-N-CA	6.19	127.58	119.84
1	3d	124	MET	CA-C-N	6.19	126.14	119.76
1	3d	124	MET	C-N-CA	6.19	126.14	119.76
1	7U	317	GLY	N-CA-C	-6.19	103.64	112.55
1	8Y	402	LEU	CB-CA-C	-6.19	100.51	110.79
1	3F	124	MET	CA-C-N	6.19	126.13	119.76
1	3F	124	MET	C-N-CA	6.19	126.13	119.76
1	4c	91	ILE	CA-C-N	6.19	126.67	119.99
1	4c	91	ILE	C-N-CA	6.19	126.67	119.99
1	6B	334	ARG	N-CA-C	-6.18	101.78	110.50
1	5V	425	LYS	CA-C-N	6.18	127.57	119.84
1	5V	425	LYS	C-N-CA	6.18	127.57	119.84
1	3H	425	LYS	CA-C-N	6.18	127.57	119.84
1	3H	425	LYS	C-N-CA	6.18	127.57	119.84
1	5H	392	THR	CB-CA-C	-6.18	109.43	116.54
1	2S	438	ARG	CA-C-N	6.18	126.13	119.76
1	2S	438	ARG	C-N-CA	6.18	126.13	119.76
1	8G	402	LEU	CB-CA-C	-6.18	100.53	110.79
2	6h	90	ASP	CA-C-N	6.18	127.57	119.84
2	6h	90	ASP	C-N-CA	6.18	127.57	119.84
1	1Z	252	ASP	N-CA-C	6.18	120.82	113.16
1	8S	402	LEU	CB-CA-C	-6.18	100.54	110.79
1	3Z	425	LYS	CA-C-N	6.17	127.56	119.84
1	3Z	425	LYS	C-N-CA	6.17	127.56	119.84
2	6l	90	ASP	CA-C-N	6.17	127.56	119.84
2	6l	90	ASP	C-N-CA	6.17	127.56	119.84
2	6p	90	ASP	CA-C-N	6.17	127.56	119.84
2	6p	90	ASP	C-N-CA	6.17	127.56	119.84
1	8A	402	LEU	CB-CA-C	-6.17	100.54	110.79
1	8M	402	LEU	CB-CA-C	-6.17	100.54	110.79
1	3T	425	LYS	CA-C-N	6.17	127.55	119.84
1	3T	425	LYS	C-N-CA	6.17	127.55	119.84
1	5T	392	THR	CB-CA-C	-6.17	109.44	116.54
1	5H	124	MET	CA-C-N	6.17	126.68	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5H	124	MET	C-N-CA	6.17	126.68	120.14
1	2D	438	ARG	CA-C-N	6.17	126.11	119.76
1	2D	438	ARG	C-N-CA	6.17	126.11	119.76
1	2X	438	ARG	CA-C-N	6.17	126.11	119.76
1	2X	438	ARG	C-N-CA	6.17	126.11	119.76
2	6n	90	ASP	CA-C-N	6.17	127.55	119.84
2	6n	90	ASP	C-N-CA	6.17	127.55	119.84
1	6Z	334	ARG	N-CA-C	-6.17	101.81	110.50
1	2I	438	ARG	CA-C-N	6.16	126.11	119.76
1	2I	438	ARG	C-N-CA	6.16	126.11	119.76
1	3P	36	VAL	CA-C-N	6.16	125.85	119.56
1	3P	36	VAL	C-N-CA	6.16	125.85	119.56
1	3X	124	MET	CA-C-N	6.16	126.11	119.76
1	3X	124	MET	C-N-CA	6.16	126.11	119.76
1	6H	334	ARG	N-CA-C	-6.16	101.81	110.50
2	6f	90	ASP	CA-C-N	6.16	127.54	119.84
2	6f	90	ASP	C-N-CA	6.16	127.54	119.84
1	6T	334	ARG	N-CA-C	-6.16	101.81	110.50
2	6j	90	ASP	CA-C-N	6.16	127.54	119.84
2	6j	90	ASP	C-N-CA	6.16	127.54	119.84
1	2K	346	VAL	CA-C-N	6.16	126.67	120.14
1	2K	346	VAL	C-N-CA	6.16	126.67	120.14
2	6x	90	ASP	CA-C-N	6.16	127.53	119.84
2	6x	90	ASP	C-N-CA	6.16	127.53	119.84
2	6v	90	ASP	CA-C-N	6.15	127.53	119.84
2	6v	90	ASP	C-N-CA	6.15	127.53	119.84
1	3B	425	LYS	CA-C-N	6.15	127.53	119.84
1	3B	425	LYS	C-N-CA	6.15	127.53	119.84
1	3D	36	VAL	CA-C-N	6.15	125.83	119.56
1	3D	36	VAL	C-N-CA	6.15	125.83	119.56
1	5B	124	MET	CA-C-N	6.15	126.66	120.14
1	5B	124	MET	C-N-CA	6.15	126.66	120.14
1	5N	392	THR	CB-CA-C	-6.15	109.47	116.54
2	6r	90	ASP	CA-C-N	6.14	127.52	119.84
2	6r	90	ASP	C-N-CA	6.14	127.52	119.84
1	2U	346	VAL	CA-C-N	6.14	126.64	120.14
1	2U	346	VAL	C-N-CA	6.14	126.64	120.14
1	3b	36	VAL	CA-C-N	6.14	125.82	119.56
1	3b	36	VAL	C-N-CA	6.14	125.82	119.56
1	3N	425	LYS	CA-C-N	6.13	127.51	119.84
1	3N	425	LYS	C-N-CA	6.13	127.51	119.84
1	2A	346	VAL	CA-C-N	6.13	126.64	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2A	346	VAL	C-N-CA	6.13	126.64	120.14
1	2H	295	VAL	N-CA-C	6.13	116.94	108.12
1	4M	235	SER	N-CA-C	-6.12	103.93	111.40
1	3V	36	VAL	CA-C-N	6.12	125.81	119.56
1	3V	36	VAL	C-N-CA	6.12	125.81	119.56
1	4G	81	ASN	CA-C-N	6.12	125.81	119.56
1	4G	81	ASN	C-N-CA	6.12	125.81	119.56
1	5Z	124	MET	CA-C-N	6.12	126.63	120.14
1	5Z	124	MET	C-N-CA	6.12	126.63	120.14
1	5T	124	MET	CA-C-N	6.12	126.63	120.14
1	5T	124	MET	C-N-CA	6.12	126.63	120.14
1	5M	124	MET	CA-C-N	6.12	125.88	119.76
1	5M	124	MET	C-N-CA	6.12	125.88	119.76
1	2R	295	VAL	N-CA-C	6.12	116.93	108.12
1	5N	124	MET	CA-C-N	6.11	126.62	120.14
1	5N	124	MET	C-N-CA	6.11	126.62	120.14
1	6W	263	VAL	N-CA-C	6.11	117.23	111.48
1	2U	438	ARG	CA-C-N	6.11	126.06	119.76
1	2U	438	ARG	C-N-CA	6.11	126.06	119.76
1	2C	295	VAL	N-CA-C	6.11	116.92	108.12
1	4A	235	SER	N-CA-C	-6.11	103.95	111.40
1	3I	124	MET	CA-C-N	6.11	126.02	119.85
1	3I	124	MET	C-N-CA	6.11	126.02	119.85
1	3J	36	VAL	CA-C-N	6.11	125.79	119.56
1	3J	36	VAL	C-N-CA	6.11	125.79	119.56
1	8R	250	ILE	N-CA-C	6.11	117.13	111.45
1	6c	263	VAL	N-CA-C	6.11	117.22	111.48
1	2M	295	VAL	N-CA-C	6.10	116.91	108.12
1	2F	438	ARG	CA-C-N	6.10	126.05	119.76
1	2F	438	ARG	C-N-CA	6.10	126.05	119.76
1	2W	295	VAL	N-CA-C	6.10	116.91	108.12
1	5A	124	MET	CA-C-N	6.10	125.86	119.76
1	5A	124	MET	C-N-CA	6.10	125.86	119.76
1	4G	235	SER	N-CA-C	-6.10	103.96	111.40
1	6W	196	THR	N-CA-C	-6.10	102.32	110.55
1	1I	430	VAL	N-CA-C	6.10	116.90	108.12
1	5G	124	MET	CA-C-N	6.10	125.86	119.76
1	5G	124	MET	C-N-CA	6.10	125.86	119.76
1	6X	425	LYS	CA-C-N	6.09	126.06	119.78
1	6X	425	LYS	C-N-CA	6.09	126.06	119.78
1	4A	81	ASN	CA-C-N	6.09	125.77	119.56
1	4A	81	ASN	C-N-CA	6.09	125.77	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6F	425	LYS	CA-C-N	6.09	126.06	119.78
1	6F	425	LYS	C-N-CA	6.09	126.06	119.78
1	7M	354	VAL	O-C-N	6.09	131.01	122.97
1	4S	235	SER	N-CA-C	-6.09	103.97	111.40
1	2V	81	ASN	CA-C-N	6.09	126.88	120.12
1	2V	81	ASN	C-N-CA	6.09	126.88	120.12
1	4Y	235	SER	N-CA-C	-6.09	103.97	111.40
1	7W	354	VAL	O-C-N	6.09	131.00	122.97
1	4V	425	LYS	CA-C-N	6.08	126.04	119.78
1	4V	425	LYS	C-N-CA	6.08	126.04	119.78
1	6E	263	VAL	N-CA-C	6.08	117.19	111.48
1	6L	425	LYS	CA-C-N	6.08	126.04	119.78
1	6L	425	LYS	C-N-CA	6.08	126.04	119.78
1	7C	354	VAL	O-C-N	6.08	130.99	122.97
1	4M	81	ASN	CA-C-N	6.08	125.76	119.56
1	4M	81	ASN	C-N-CA	6.08	125.76	119.56
1	1a	430	VAL	N-CA-C	6.08	116.87	108.12
1	7Y	196	THR	N-CA-C	-6.08	101.48	110.48
1	6K	263	VAL	N-CA-C	6.08	117.19	111.48
1	5S	124	MET	CA-C-N	6.08	125.84	119.76
1	5S	124	MET	C-N-CA	6.08	125.84	119.76
1	2G	81	ASN	CA-C-N	6.08	126.86	120.12
1	2G	81	ASN	C-N-CA	6.08	126.86	120.12
1	6Q	196	THR	N-CA-C	-6.08	102.35	110.55
1	6R	425	LYS	CA-C-N	6.08	126.04	119.78
1	6R	425	LYS	C-N-CA	6.08	126.04	119.78
1	5Y	124	MET	CA-C-N	6.08	125.83	119.76
1	5Y	124	MET	C-N-CA	6.08	125.83	119.76
1	6d	425	LYS	CA-C-N	6.08	126.04	119.78
1	6d	425	LYS	C-N-CA	6.08	126.04	119.78
1	2A	438	ARG	CA-C-N	6.07	126.02	119.76
1	2A	438	ARG	C-N-CA	6.07	126.02	119.76
1	6K	196	THR	N-CA-C	-6.07	102.35	110.55
1	2K	438	ARG	CA-C-N	6.07	126.02	119.76
1	2K	438	ARG	C-N-CA	6.07	126.02	119.76
1	7O	196	THR	N-CA-C	-6.07	101.49	110.48
1	6V	81	ASN	CA-C-N	6.07	125.75	119.56
1	6V	81	ASN	C-N-CA	6.07	125.75	119.56
1	2B	81	ASN	CA-C-N	6.07	126.86	120.12
1	2B	81	ASN	C-N-CA	6.07	126.86	120.12
1	2P	438	ARG	CA-C-N	6.07	126.01	119.76
1	2P	438	ARG	C-N-CA	6.07	126.01	119.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	3U	124	MET	CA-C-N	6.07	125.98	119.85
1	3U	124	MET	C-N-CA	6.07	125.98	119.85
1	6c	196	THR	N-CA-C	-6.07	102.35	110.55
1	8F	250	ILE	N-CA-C	6.07	117.09	111.45
1	1C	430	VAL	N-CA-C	6.07	116.86	108.12
1	1O	430	VAL	N-CA-C	6.07	116.86	108.12
1	1U	430	VAL	N-CA-C	6.07	116.86	108.12
1	4Y	81	ASN	CA-C-N	6.07	125.75	119.56
1	4Y	81	ASN	C-N-CA	6.07	125.75	119.56
1	8Z	417	THR	N-CA-C	6.07	118.29	109.07
1	3C	124	MET	CA-C-N	6.07	125.98	119.85
1	3C	124	MET	C-N-CA	6.07	125.98	119.85
1	6E	196	THR	N-CA-C	-6.07	102.36	110.55
1	4H	314	ASN	CA-C-N	6.07	127.42	119.84
1	4H	314	ASN	C-N-CA	6.07	127.42	119.84
1	8X	250	ILE	N-CA-C	6.07	117.09	111.45
1	4N	314	ASN	CA-C-N	6.06	127.42	119.84
1	4N	314	ASN	C-N-CA	6.06	127.42	119.84
1	7T	196	THR	N-CA-C	-6.06	101.50	110.48
1	4B	314	ASN	CA-C-N	6.06	127.42	119.84
1	4B	314	ASN	C-N-CA	6.06	127.42	119.84
1	7H	354	VAL	O-C-N	6.06	130.97	122.97
1	6P	81	ASN	CA-C-N	6.06	125.74	119.56
1	6P	81	ASN	C-N-CA	6.06	125.74	119.56
1	6b	81	ASN	CA-C-N	6.06	125.74	119.56
1	6b	81	ASN	C-N-CA	6.06	125.74	119.56
1	2Q	81	ASN	CA-C-N	6.06	126.84	120.12
1	2Q	81	ASN	C-N-CA	6.06	126.84	120.12
1	7E	196	THR	N-CA-C	-6.05	101.52	110.48
1	2L	81	ASN	CA-C-N	6.05	126.84	120.12
1	2L	81	ASN	C-N-CA	6.05	126.84	120.12
1	3a	124	MET	CA-C-N	6.05	125.97	119.85
1	3a	124	MET	C-N-CA	6.05	125.97	119.85
1	6J	81	ASN	CA-C-N	6.05	125.73	119.56
1	6J	81	ASN	C-N-CA	6.05	125.73	119.56
1	3O	124	MET	CA-C-N	6.05	125.96	119.85
1	3O	124	MET	C-N-CA	6.05	125.96	119.85
1	4S	81	ASN	CA-C-N	6.05	125.73	119.56
1	4S	81	ASN	C-N-CA	6.05	125.73	119.56
1	4V	400	GLY	CA-C-N	-6.05	114.98	122.84
1	4V	400	GLY	C-N-CA	-6.05	114.98	122.84
1	4D	425	LYS	CA-C-N	6.05	126.01	119.78

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4D	425	LYS	C-N-CA	6.05	126.01	119.78
1	4J	400	GLY	CA-C-N	-6.05	114.98	122.84
1	4J	400	GLY	C-N-CA	-6.05	114.98	122.84
1	6D	81	ASN	CA-C-N	6.04	125.73	119.56
1	6D	81	ASN	C-N-CA	6.04	125.73	119.56
1	4P	400	GLY	CA-C-N	-6.04	114.98	122.84
1	4P	400	GLY	C-N-CA	-6.04	114.98	122.84
1	7R	354	VAL	O-C-N	6.04	130.95	122.97
1	4b	400	GLY	CA-C-N	-6.04	114.98	122.84
1	4b	400	GLY	C-N-CA	-6.04	114.98	122.84
1	4D	400	GLY	CA-C-N	-6.04	114.98	122.84
1	4D	400	GLY	C-N-CA	-6.04	114.98	122.84
1	8N	417	THR	N-CA-C	6.04	118.25	109.07
1	8T	417	THR	N-CA-C	6.04	118.25	109.07
1	8B	417	THR	N-CA-C	6.04	118.25	109.07
1	8H	417	THR	N-CA-C	6.04	118.25	109.07
1	8L	250	ILE	N-CA-C	6.04	117.06	111.45
1	7J	196	THR	N-CA-C	-6.04	101.55	110.48
1	4T	314	ASN	CA-C-N	6.03	127.38	119.84
1	4T	314	ASN	C-N-CA	6.03	127.38	119.84
1	4J	425	LYS	CA-C-N	6.03	125.99	119.78
1	4J	425	LYS	C-N-CA	6.03	125.99	119.78
1	4P	425	LYS	CA-C-N	6.03	125.99	119.78
1	4P	425	LYS	C-N-CA	6.03	125.99	119.78
1	4R	346	VAL	CA-C-N	6.03	125.99	119.78
1	4R	346	VAL	C-N-CA	6.03	125.99	119.78
1	6Q	263	VAL	N-CA-C	6.03	117.15	111.48
1	4b	425	LYS	CA-C-N	6.03	125.99	119.78
1	4b	425	LYS	C-N-CA	6.03	125.99	119.78
1	4Z	314	ASN	CA-C-N	6.02	127.36	119.84
1	4Z	314	ASN	C-N-CA	6.02	127.36	119.84
1	4N	36	VAL	CA-C-N	6.02	125.70	119.56
1	4N	36	VAL	C-N-CA	6.02	125.70	119.56
1	8d	250	ILE	N-CA-C	6.01	117.04	111.45
1	5a	295	VAL	N-CA-C	6.01	116.29	108.35
1	5O	295	VAL	N-CA-C	6.01	116.28	108.35
1	4T	36	VAL	CA-C-N	6.00	125.68	119.56
1	4T	36	VAL	C-N-CA	6.00	125.68	119.56
1	5C	295	VAL	N-CA-C	6.00	116.27	108.35
1	7I	438	ARG	CA-C-N	6.00	125.94	119.76
1	7I	438	ARG	C-N-CA	6.00	125.94	119.76
1	1X	355	SER	N-CA-C	6.00	121.67	113.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8J	425	LYS	CA-C-N	5.99	125.90	119.85
1	8J	425	LYS	C-N-CA	5.99	125.90	119.85
1	7X	438	ARG	CA-C-N	5.99	125.93	119.76
1	7X	438	ARG	C-N-CA	5.99	125.93	119.76
1	5U	295	VAL	N-CA-C	5.99	116.26	108.35
1	4B	36	VAL	CA-C-N	5.99	125.67	119.56
1	4B	36	VAL	C-N-CA	5.99	125.67	119.56
1	1d	355	SER	N-CA-C	5.99	121.66	113.16
1	5O	91	ILE	CA-C-N	5.99	126.45	119.99
1	5O	91	ILE	C-N-CA	5.99	126.45	119.99
1	7D	438	ARG	CA-C-N	5.98	125.92	119.76
1	7D	438	ARG	C-N-CA	5.98	125.92	119.76
1	1L	355	SER	N-CA-C	5.98	121.66	113.16
1	1H	438	ARG	CA-C-N	5.98	127.32	119.84
1	1H	438	ARG	C-N-CA	5.98	127.32	119.84
1	1F	355	SER	N-CA-C	5.98	121.65	113.16
1	4F	346	VAL	CA-C-N	5.98	125.94	119.78
1	4F	346	VAL	C-N-CA	5.98	125.94	119.78
1	5I	295	VAL	N-CA-C	5.98	116.24	108.35
1	1R	355	SER	N-CA-C	5.98	121.65	113.16
1	4X	346	VAL	CA-C-N	5.97	125.93	119.78
1	4X	346	VAL	C-N-CA	5.97	125.93	119.78
1	5T	6	ASN	CA-C-O	5.97	121.41	117.94
1	7S	438	ARG	CA-C-N	5.97	125.91	119.76
1	7S	438	ARG	C-N-CA	5.97	125.91	119.76
1	5U	91	ILE	CA-C-N	5.97	126.44	119.99
1	5U	91	ILE	C-N-CA	5.97	126.44	119.99
1	5V	81	ASN	CA-C-N	5.96	125.64	119.56
1	5V	81	ASN	C-N-CA	5.96	125.64	119.56
1	8V	425	LYS	CA-C-N	5.96	125.87	119.85
1	8V	425	LYS	C-N-CA	5.96	125.87	119.85
1	4d	346	VAL	CA-C-N	5.96	125.92	119.78
1	4d	346	VAL	C-N-CA	5.96	125.92	119.78
1	7N	202	GLU	CA-C-N	5.96	125.84	119.28
1	7N	202	GLU	C-N-CA	5.96	125.84	119.28
1	7N	438	ARG	CA-C-N	5.96	125.90	119.76
1	7N	438	ARG	C-N-CA	5.96	125.90	119.76
1	8D	425	LYS	CA-C-N	5.96	125.86	119.85
1	8D	425	LYS	C-N-CA	5.96	125.86	119.85
1	4L	346	VAL	CA-C-N	5.96	125.92	119.78
1	4L	346	VAL	C-N-CA	5.96	125.92	119.78
1	5C	91	ILE	CA-C-N	5.95	126.42	119.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5C	91	ILE	C-N-CA	5.95	126.42	119.99
1	1T	438	ARG	CA-C-N	5.95	127.28	119.84
1	1T	438	ARG	C-N-CA	5.95	127.28	119.84
1	1N	438	ARG	CA-C-N	5.95	127.28	119.84
1	1N	438	ARG	C-N-CA	5.95	127.28	119.84
1	4Z	36	VAL	CA-C-N	5.95	125.63	119.56
1	4Z	36	VAL	C-N-CA	5.95	125.63	119.56
1	5B	6	ASN	CA-C-O	5.95	121.39	117.94
1	8P	425	LYS	CA-C-N	5.95	125.86	119.85
1	8P	425	LYS	C-N-CA	5.95	125.86	119.85
1	5H	6	ASN	CA-C-O	5.94	121.39	117.94
1	5D	81	ASN	CA-C-N	5.94	125.62	119.56
1	5D	81	ASN	C-N-CA	5.94	125.62	119.56
1	1B	438	ARG	CA-C-N	5.94	127.27	119.84
1	1B	438	ARG	C-N-CA	5.94	127.27	119.84
1	4K	232	ASP	N-CA-C	5.94	120.66	113.17
1	5b	81	ASN	CA-C-N	5.94	125.62	119.56
1	5b	81	ASN	C-N-CA	5.94	125.62	119.56
1	8J	417	THR	N-CA-C	5.94	118.31	108.99
1	8d	202	GLU	N-CA-C	5.94	122.93	109.81
1	7I	202	GLU	CA-C-N	5.93	125.81	119.28
1	7I	202	GLU	C-N-CA	5.93	125.81	119.28
1	5a	91	ILE	CA-C-N	5.93	126.40	119.99
1	5a	91	ILE	C-N-CA	5.93	126.40	119.99
1	8X	202	GLU	N-CA-C	5.93	122.92	109.81
1	8D	417	THR	N-CA-C	5.93	118.30	108.99
1	8b	417	THR	N-CA-C	5.93	118.30	108.99
1	4R	410	ASN	N-CA-C	5.93	117.41	110.41
1	1Z	438	ARG	CA-C-N	5.93	127.25	119.84
1	1Z	438	ARG	C-N-CA	5.93	127.25	119.84
1	7D	202	GLU	CA-C-N	5.93	125.80	119.28
1	7D	202	GLU	C-N-CA	5.93	125.80	119.28
1	5I	91	ILE	CA-C-N	5.93	126.39	119.99
1	5I	91	ILE	C-N-CA	5.93	126.39	119.99
1	4X	410	ASN	N-CA-C	5.93	117.40	110.41
1	8P	417	THR	N-CA-C	5.92	118.29	108.99
1	7S	202	GLU	CA-C-N	5.92	125.80	119.28
1	7S	202	GLU	C-N-CA	5.92	125.80	119.28
1	8b	425	LYS	CA-C-N	5.92	125.83	119.85
1	8b	425	LYS	C-N-CA	5.92	125.83	119.85
1	8F	202	GLU	N-CA-C	5.92	122.90	109.81
1	8V	417	THR	N-CA-C	5.92	118.29	108.99

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5Z	6	ASN	CA-C-O	5.92	121.37	117.94
1	8K	251	ILE	N-CA-C	5.92	116.40	108.11
1	8L	202	GLU	N-CA-C	5.92	122.89	109.81
1	4W	232	ASP	N-CA-C	5.92	120.63	113.17
1	8W	251	ILE	N-CA-C	5.92	116.39	108.11
1	7X	202	GLU	CA-C-N	5.92	125.79	119.28
1	7X	202	GLU	C-N-CA	5.92	125.79	119.28
1	4H	36	VAL	CA-C-N	5.92	125.60	119.56
1	4H	36	VAL	C-N-CA	5.92	125.60	119.56
1	4L	410	ASN	N-CA-C	5.92	117.39	110.41
1	8c	251	ILE	N-CA-C	5.92	116.39	108.11
1	4F	410	ASN	N-CA-C	5.91	117.39	110.41
1	3L	425	LYS	CA-C-N	5.91	127.23	119.84
1	3L	425	LYS	C-N-CA	5.91	127.23	119.84
1	5N	6	ASN	CA-C-O	5.91	121.37	117.94
1	3R	425	LYS	CA-C-N	5.91	127.23	119.84
1	3R	425	LYS	C-N-CA	5.91	127.23	119.84
1	8R	202	GLU	N-CA-C	5.91	122.88	109.81
1	8E	251	ILE	N-CA-C	5.91	116.38	108.11
1	8Q	251	ILE	N-CA-C	5.91	116.38	108.11
1	3F	425	LYS	CA-C-N	5.91	127.22	119.84
1	3F	425	LYS	C-N-CA	5.91	127.22	119.84
1	4E	232	ASP	N-CA-C	5.91	120.61	113.17
1	4c	232	ASP	N-CA-C	5.91	120.61	113.17
1	5J	81	ASN	CA-C-N	5.91	125.58	119.56
1	5J	81	ASN	C-N-CA	5.91	125.58	119.56
1	7I	430	VAL	N-CA-C	5.91	116.37	107.75
1	5N	19	ASP	N-CA-C	-5.91	102.74	110.53
1	3X	410	ASN	N-CA-C	5.90	120.29	113.38
1	5H	19	ASP	N-CA-C	-5.90	102.74	110.53
1	3X	425	LYS	CA-C-N	5.90	127.22	119.84
1	3X	425	LYS	C-N-CA	5.90	127.22	119.84
1	6Z	36	VAL	CA-C-N	5.90	125.58	119.56
1	6Z	36	VAL	C-N-CA	5.90	125.58	119.56
1	3d	425	LYS	CA-C-N	5.90	127.21	119.84
1	3d	425	LYS	C-N-CA	5.90	127.21	119.84
1	7D	430	VAL	N-CA-C	5.89	116.36	107.75
1	4I	430	VAL	N-CA-C	5.89	116.36	107.75
1	4Q	232	ASP	N-CA-C	5.89	120.59	113.17
1	3L	410	ASN	N-CA-C	5.89	120.27	113.38
1	5P	81	ASN	CA-C-N	5.89	125.57	119.56
1	5P	81	ASN	C-N-CA	5.89	125.57	119.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5T	19	ASP	N-CA-C	-5.89	102.75	110.53
1	5Z	19	ASP	N-CA-C	-5.89	102.76	110.53
1	5B	19	ASP	N-CA-C	-5.89	102.76	110.53
1	6N	314	ASN	CA-C-N	5.89	127.20	119.84
1	6N	314	ASN	C-N-CA	5.89	127.20	119.84
1	6Z	314	ASN	CA-C-N	5.89	127.20	119.84
1	6Z	314	ASN	C-N-CA	5.89	127.20	119.84
1	7X	430	VAL	N-CA-C	5.88	116.33	107.75
1	3F	410	ASN	N-CA-C	5.88	120.26	113.38
1	6B	314	ASN	CA-C-N	5.88	127.19	119.84
1	6B	314	ASN	C-N-CA	5.88	127.19	119.84
1	7I	251	ILE	N-CA-C	5.88	116.11	108.35
1	6N	335	PHE	CA-CB-CG	5.88	119.67	113.80
1	7S	430	VAL	N-CA-C	5.87	116.33	107.75
1	4d	410	ASN	N-CA-C	5.87	117.34	110.41
1	3R	410	ASN	N-CA-C	5.87	120.25	113.38
1	6B	36	VAL	CA-C-N	5.87	125.55	119.56
1	6B	36	VAL	C-N-CA	5.87	125.55	119.56
1	8O	331	SER	N-CA-C	5.87	115.85	108.45
1	3d	410	ASN	N-CA-C	5.87	120.25	113.38
1	8C	346	VAL	CA-C-N	5.87	125.80	119.76
1	8C	346	VAL	C-N-CA	5.87	125.80	119.76
1	3M	250	ILE	N-CA-C	5.87	116.08	110.74
1	8U	346	VAL	CA-C-N	5.87	125.80	119.76
1	8U	346	VAL	C-N-CA	5.87	125.80	119.76
1	8O	346	VAL	CA-C-N	5.87	125.80	119.76
1	8O	346	VAL	C-N-CA	5.87	125.80	119.76
1	6T	314	ASN	CA-C-N	5.87	127.17	119.84
1	6T	314	ASN	C-N-CA	5.87	127.17	119.84
1	6T	335	PHE	CA-CB-CG	5.87	119.67	113.80
1	6O	281	VAL	N-CA-C	5.86	116.38	108.17
1	3G	250	ILE	N-CA-C	5.86	116.07	110.74
1	4U	430	VAL	N-CA-C	5.86	116.31	107.75
1	8a	331	SER	N-CA-C	5.86	115.83	108.45
1	8a	346	VAL	CA-C-N	5.86	125.80	119.76
1	8a	346	VAL	C-N-CA	5.86	125.80	119.76
1	4C	430	VAL	N-CA-C	5.86	116.30	107.75
1	8I	346	VAL	CA-C-N	5.86	125.79	119.76
1	8I	346	VAL	C-N-CA	5.86	125.79	119.76
1	3S	250	ILE	N-CA-C	5.86	116.07	110.74
1	4a	430	VAL	N-CA-C	5.86	116.30	107.75
1	7S	251	ILE	N-CA-C	5.85	116.08	108.35

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6B	335	PHE	CA-CB-CG	5.85	119.65	113.80
1	6H	36	VAL	CA-C-N	5.85	125.53	119.56
1	6H	36	VAL	C-N-CA	5.85	125.53	119.56
1	6N	36	VAL	CA-C-N	5.85	125.53	119.56
1	6N	36	VAL	C-N-CA	5.85	125.53	119.56
1	6a	281	VAL	N-CA-C	5.85	116.36	108.17
1	8M	131	PHE	CA-CB-CG	-5.85	107.95	113.80
1	3A	250	ILE	N-CA-C	5.85	116.06	110.74
1	6H	314	ASN	CA-C-N	5.85	127.15	119.84
1	6H	314	ASN	C-N-CA	5.85	127.15	119.84
1	8I	331	SER	N-CA-C	5.85	115.82	108.45
1	6T	36	VAL	CA-C-N	5.85	125.52	119.56
1	6T	36	VAL	C-N-CA	5.85	125.52	119.56
1	8U	331	SER	N-CA-C	5.85	115.82	108.45
1	6U	281	VAL	N-CA-C	5.84	116.35	108.17
1	8C	331	SER	N-CA-C	5.84	115.81	108.45
1	8d	430	VAL	N-CA-C	5.84	116.53	108.12
1	6C	281	VAL	N-CA-C	5.84	116.35	108.17
1	7D	251	ILE	N-CA-C	5.84	116.06	108.35
1	4O	430	VAL	N-CA-C	5.84	116.28	107.75
1	5V	394	THR	CB-CA-C	-5.84	109.83	116.54
1	3Y	250	ILE	N-CA-C	5.84	116.06	110.74
1	8R	430	VAL	N-CA-C	5.84	116.53	108.12
1	2M	430	VAL	N-CA-C	5.84	116.52	108.12
1	7X	251	ILE	N-CA-C	5.84	116.06	108.35
1	7N	251	ILE	N-CA-C	5.83	116.05	108.35
1	8S	356	PRO	CA-N-CD	-5.83	103.83	112.00
1	2C	430	VAL	N-CA-C	5.83	116.52	108.12
1	5D	394	THR	CB-CA-C	-5.83	109.83	116.54
1	2H	430	VAL	N-CA-C	5.83	116.52	108.12
1	5J	394	THR	CB-CA-C	-5.83	109.83	116.54
1	8X	430	VAL	N-CA-C	5.83	116.52	108.12
1	8Y	131	PHE	CA-CB-CG	-5.83	107.97	113.80
1	8F	430	VAL	N-CA-C	5.82	116.51	108.12
1	7H	439	PRO	N-CA-C	5.82	124.47	112.47
1	8L	430	VAL	N-CA-C	5.82	116.51	108.12
1	2W	430	VAL	N-CA-C	5.82	116.50	108.12
1	8A	131	PHE	CA-CB-CG	-5.82	107.98	113.80
1	6H	335	PHE	CA-CB-CG	5.82	119.62	113.80
1	5O	398	GLY	N-CA-C	-5.82	107.55	114.48
1	5b	394	THR	CB-CA-C	-5.82	109.85	116.54
1	6Z	335	PHE	CA-CB-CG	5.82	119.62	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6I	281	VAL	N-CA-C	5.82	116.31	108.17
1	2R	430	VAL	N-CA-C	5.82	116.50	108.12
1	7C	439	PRO	N-CA-C	5.81	124.44	112.47
1	5U	398	GLY	N-CA-C	-5.81	107.56	114.48
1	5I	346	VAL	CA-C-N	5.81	126.30	120.14
1	5I	346	VAL	C-N-CA	5.81	126.30	120.14
1	4N	295	VAL	N-CA-C	5.81	116.02	108.35
1	8A	356	PRO	CA-N-CD	-5.81	103.87	112.00
1	4G	103	ASP	CA-CB-CG	5.81	118.41	112.60
1	5I	398	GLY	N-CA-C	-5.81	107.57	114.48
1	8M	356	PRO	CA-N-CD	-5.80	103.87	112.00
1	4Z	295	VAL	N-CA-C	5.80	116.01	108.35
1	7M	439	PRO	N-CA-C	5.80	124.42	112.47
1	7R	439	PRO	N-CA-C	5.80	124.42	112.47
1	5C	398	GLY	N-CA-C	-5.80	107.58	114.48
1	7G	332	VAL	N-CA-C	5.80	116.47	108.12
1	5P	394	THR	CB-CA-C	-5.80	109.88	116.54
1	7K	234	ASN	CA-CB-CG	-5.80	106.80	112.60
1	7W	439	PRO	N-CA-C	5.79	124.41	112.47
1	8G	356	PRO	CA-N-CD	-5.79	103.89	112.00
1	4T	295	VAL	N-CA-C	5.79	116.00	108.35
1	5a	398	GLY	N-CA-C	-5.79	107.59	114.48
1	4B	295	VAL	N-CA-C	5.79	115.99	108.35
1	8G	131	PHE	CA-CB-CG	-5.79	108.01	113.80
1	6U	195	PHE	CA-CB-CG	5.79	119.59	113.80
1	5Z	29	GLY	N-CA-C	-5.79	107.27	115.43
1	4A	103	ASP	CA-CB-CG	5.79	118.39	112.60
1	5B	29	GLY	N-CA-C	-5.79	107.27	115.43
1	5H	29	GLY	N-CA-C	-5.79	107.27	115.43
1	8S	131	PHE	CA-CB-CG	-5.79	108.01	113.80
1	5a	17	SER	N-CA-C	-5.78	105.32	112.90
1	5C	17	SER	N-CA-C	-5.78	105.33	112.90
1	7U	234	ASN	CA-CB-CG	-5.78	106.82	112.60
1	8Y	356	PRO	CA-N-CD	-5.78	103.91	112.00
1	6a	195	PHE	CA-CB-CG	5.78	119.58	113.80
1	6I	195	PHE	CA-CB-CG	5.78	119.58	113.80
1	1R	195	PHE	CA-CB-CG	5.78	119.58	113.80
1	5O	17	SER	N-CA-C	-5.78	105.33	112.90
1	1L	195	PHE	CA-CB-CG	5.78	119.58	113.80
1	2L	37	PRO	N-CA-C	-5.78	103.14	111.22
1	7B	332	VAL	N-CA-C	5.77	116.44	108.12
1	5T	29	GLY	N-CA-C	-5.77	107.29	115.43

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2V	425	LYS	CA-C-N	5.77	127.06	119.84
1	2V	425	LYS	C-N-CA	5.77	127.06	119.84
1	6A	263	VAL	CB-CA-C	-5.77	106.81	111.71
1	6C	195	PHE	CA-CB-CG	5.77	119.57	113.80
1	5I	17	SER	N-CA-C	-5.77	105.34	112.90
1	7N	430	VAL	N-CA-C	5.77	116.31	107.77
1	4S	103	ASP	CA-CB-CG	5.77	118.37	112.60
1	1F	195	PHE	CA-CB-CG	5.77	119.57	113.80
1	4H	295	VAL	N-CA-C	5.77	115.97	108.35
1	2V	37	PRO	N-CA-C	-5.77	103.14	111.22
1	4Y	103	ASP	CA-CB-CG	5.76	118.36	112.60
1	5C	346	VAL	CA-C-N	5.76	126.25	120.14
1	5C	346	VAL	C-N-CA	5.76	126.25	120.14
1	7A	234	ASN	CA-CB-CG	-5.76	106.84	112.60
1	7G	430	VAL	N-CA-C	5.76	115.95	108.35
1	6G	263	VAL	CB-CA-C	-5.76	106.81	111.71
1	6S	263	VAL	CB-CA-C	-5.76	106.81	111.71
1	2G	37	PRO	N-CA-C	-5.76	103.16	111.22
1	5N	29	GLY	N-CA-C	-5.76	107.31	115.43
1	5O	346	VAL	CA-C-N	5.76	126.24	120.14
1	5O	346	VAL	C-N-CA	5.76	126.24	120.14
1	7L	332	VAL	N-CA-C	5.76	116.41	108.12
1	5U	17	SER	N-CA-C	-5.76	105.36	112.90
1	5U	346	VAL	CA-C-N	5.76	126.24	120.14
1	5U	346	VAL	C-N-CA	5.76	126.24	120.14
1	7V	332	VAL	N-CA-C	5.75	116.41	108.12
1	2G	425	LYS	CA-C-N	5.75	127.03	119.84
1	2G	425	LYS	C-N-CA	5.75	127.03	119.84
1	7F	331	SER	N-CA-C	5.75	116.14	108.38
1	1X	195	PHE	CA-CB-CG	5.75	119.55	113.80
1	2Q	425	LYS	CA-C-N	5.75	127.03	119.84
1	2Q	425	LYS	C-N-CA	5.75	127.03	119.84
1	2B	37	PRO	N-CA-C	-5.75	103.17	111.22
1	7F	234	ASN	CA-CB-CG	-5.75	106.85	112.60
1	2B	425	LYS	CA-C-N	5.75	127.02	119.84
1	2B	425	LYS	C-N-CA	5.75	127.02	119.84
1	7K	331	SER	N-CA-C	5.75	116.14	108.38
1	7P	234	ASN	CA-CB-CG	-5.75	106.85	112.60
1	7Q	430	VAL	N-CA-C	5.75	115.94	108.35
1	5a	346	VAL	CA-C-N	5.75	126.23	120.14
1	5a	346	VAL	C-N-CA	5.75	126.23	120.14
1	7A	331	SER	N-CA-C	5.74	116.14	108.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4M	103	ASP	CA-CB-CG	5.74	118.34	112.60
1	7U	331	SER	N-CA-C	5.74	116.13	108.38
1	1d	195	PHE	CA-CB-CG	5.74	119.54	113.80
1	7Q	332	VAL	N-CA-C	5.74	116.39	108.12
1	7P	331	SER	N-CA-C	5.74	116.12	108.38
1	2W	251	ILE	N-CA-C	5.74	115.92	108.35
2	1v	111	VAL	CA-C-N	-5.74	112.94	120.91
2	1v	111	VAL	C-N-CA	-5.74	112.94	120.91
2	6w	111	VAL	CA-C-N	-5.74	112.94	120.91
2	6w	111	VAL	C-N-CA	-5.74	112.94	120.91
1	6O	195	PHE	CA-CB-CG	5.73	119.53	113.80
2	5n	111	VAL	CA-C-N	-5.73	112.94	120.91
2	5n	111	VAL	C-N-CA	-5.73	112.94	120.91
1	7V	430	VAL	N-CA-C	5.73	115.92	108.35
1	7B	430	VAL	N-CA-C	5.73	115.91	108.35
1	2L	425	LYS	CA-C-N	5.73	127.00	119.84
1	2L	425	LYS	C-N-CA	5.73	127.00	119.84
2	6s	111	VAL	CA-C-N	-5.73	112.95	120.91
2	6s	111	VAL	C-N-CA	-5.73	112.95	120.91
2	1x	111	VAL	CA-C-N	-5.73	112.95	120.91
2	1x	111	VAL	C-N-CA	-5.73	112.95	120.91
2	3w	111	VAL	CA-C-N	-5.73	112.95	120.91
2	3w	111	VAL	C-N-CA	-5.73	112.95	120.91
2	1l	111	VAL	CA-C-N	-5.73	112.95	120.91
2	1l	111	VAL	C-N-CA	-5.73	112.95	120.91
2	1r	111	VAL	CA-C-N	-5.72	112.96	120.91
2	1r	111	VAL	C-N-CA	-5.72	112.96	120.91
1	2H	251	ILE	N-CA-C	5.72	115.90	108.35
1	7L	430	VAL	N-CA-C	5.72	115.90	108.35
1	2R	251	ILE	N-CA-C	5.72	115.90	108.35
2	3g	111	VAL	CA-C-N	-5.72	112.96	120.91
2	3g	111	VAL	C-N-CA	-5.72	112.96	120.91
2	5h	111	VAL	CA-C-N	-5.72	112.96	120.91
2	5h	111	VAL	C-N-CA	-5.72	112.96	120.91
1	2C	251	ILE	N-CA-C	5.72	115.90	108.35
1	6Y	263	VAL	CB-CA-C	-5.72	106.85	111.71
1	6M	263	VAL	CB-CA-C	-5.72	106.85	111.71
1	8P	124	MET	CA-C-N	5.72	125.62	119.85
1	8P	124	MET	C-N-CA	5.72	125.62	119.85
1	2Q	37	PRO	N-CA-C	-5.71	103.22	111.22
2	6g	111	VAL	CA-C-N	-5.71	112.97	120.91
2	6g	111	VAL	C-N-CA	-5.71	112.97	120.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2M	251	ILE	N-CA-C	5.71	115.89	108.35
1	6W	438	ARG	CA-C-N	5.71	126.98	119.84
1	6W	438	ARG	C-N-CA	5.71	126.98	119.84
1	8V	124	MET	CA-C-N	5.71	125.62	119.85
1	8V	124	MET	C-N-CA	5.71	125.62	119.85
2	5f	111	VAL	CA-C-N	-5.71	112.97	120.91
2	5f	111	VAL	C-N-CA	-5.71	112.97	120.91
2	3s	111	VAL	CA-C-N	-5.71	112.97	120.91
2	3s	111	VAL	C-N-CA	-5.71	112.97	120.91
2	1h	111	VAL	CA-C-N	-5.71	112.97	120.91
2	1h	111	VAL	C-N-CA	-5.71	112.97	120.91
1	6K	438	ARG	CA-C-N	5.71	126.97	119.84
1	6K	438	ARG	C-N-CA	5.71	126.97	119.84
1	6c	438	ARG	CA-C-N	5.71	126.98	119.84
1	6c	438	ARG	C-N-CA	5.71	126.98	119.84
2	6k	111	VAL	CA-C-N	-5.71	112.97	120.91
2	6k	111	VAL	C-N-CA	-5.71	112.97	120.91
1	6Q	438	ARG	CA-C-N	5.71	126.97	119.84
1	6Q	438	ARG	C-N-CA	5.71	126.97	119.84
2	3q	111	VAL	CA-C-N	-5.71	112.98	120.91
2	3q	111	VAL	C-N-CA	-5.71	112.98	120.91
2	6q	111	VAL	CA-C-N	-5.71	112.98	120.91
2	6q	111	VAL	C-N-CA	-5.71	112.98	120.91
1	1C	91	ILE	CA-C-N	5.70	126.97	119.84
1	1C	91	ILE	C-N-CA	5.70	126.97	119.84
2	1t	111	VAL	CA-C-N	-5.70	112.98	120.91
2	1t	111	VAL	C-N-CA	-5.70	112.98	120.91
1	6E	438	ARG	CA-C-N	5.70	126.97	119.84
1	6E	438	ARG	C-N-CA	5.70	126.97	119.84
2	1f	111	VAL	CA-C-N	-5.70	112.98	120.91
2	1f	111	VAL	C-N-CA	-5.70	112.98	120.91
2	3e	111	VAL	CA-C-N	-5.70	112.99	120.91
2	3e	111	VAL	C-N-CA	-5.70	112.99	120.91
2	8n	111	VAL	CA-C-N	-5.70	112.98	120.91
2	8n	111	VAL	C-N-CA	-5.70	112.98	120.91
2	1p	111	VAL	CA-C-N	-5.70	112.98	120.91
2	1p	111	VAL	C-N-CA	-5.70	112.98	120.91
2	5l	111	VAL	CA-C-N	-5.70	112.98	120.91
2	5l	111	VAL	C-N-CA	-5.70	112.98	120.91
2	8e	111	VAL	CA-C-N	-5.70	112.99	120.91
2	8e	111	VAL	C-N-CA	-5.70	112.99	120.91
2	3m	111	VAL	CA-C-N	-5.70	112.99	120.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	3m	111	VAL	C-N-CA	-5.70	112.99	120.91
2	8k	111	VAL	CA-C-N	-5.70	112.99	120.91
2	8k	111	VAL	C-N-CA	-5.70	112.99	120.91
2	8t	111	VAL	CA-C-N	-5.70	112.99	120.91
2	8t	111	VAL	C-N-CA	-5.70	112.99	120.91
2	3k	111	VAL	CA-C-N	-5.70	112.99	120.91
2	3k	111	VAL	C-N-CA	-5.70	112.99	120.91
2	5j	111	VAL	CA-C-N	-5.70	112.99	120.91
2	5j	111	VAL	C-N-CA	-5.70	112.99	120.91
2	3u	111	VAL	CA-C-N	-5.70	112.99	120.91
2	3u	111	VAL	C-N-CA	-5.70	112.99	120.91
1	6F	314	ASN	CA-C-N	5.69	126.96	119.84
1	6F	314	ASN	C-N-CA	5.69	126.96	119.84
1	6L	314	ASN	CA-C-N	5.69	126.95	119.84
1	6L	314	ASN	C-N-CA	5.69	126.95	119.84
2	4f	111	VAL	CA-C-N	-5.69	113.00	120.91
2	4f	111	VAL	C-N-CA	-5.69	113.00	120.91
2	6o	111	VAL	CA-C-N	-5.69	113.00	120.91
2	6o	111	VAL	C-N-CA	-5.69	113.00	120.91
2	8w	111	VAL	CA-C-N	-5.69	113.00	120.91
2	8w	111	VAL	C-N-CA	-5.69	113.00	120.91
1	1I	91	ILE	CA-C-N	5.69	126.95	119.84
1	1I	91	ILE	C-N-CA	5.69	126.95	119.84
1	4J	314	ASN	CA-C-N	5.69	126.95	119.84
1	4J	314	ASN	C-N-CA	5.69	126.95	119.84
1	6R	314	ASN	CA-C-N	5.69	126.95	119.84
1	6R	314	ASN	C-N-CA	5.69	126.95	119.84
1	1U	91	ILE	CA-C-N	5.69	126.95	119.84
1	1U	91	ILE	C-N-CA	5.69	126.95	119.84
1	5c	281	VAL	N-CA-C	5.69	117.05	109.37
1	4D	314	ASN	CA-C-N	5.69	126.95	119.84
1	4D	314	ASN	C-N-CA	5.69	126.95	119.84
2	9M	111	VAL	CA-C-N	-5.69	113.01	120.91
2	9M	111	VAL	C-N-CA	-5.69	113.01	120.91
2	4h	111	VAL	CA-C-N	-5.69	113.01	120.91
2	4h	111	VAL	C-N-CA	-5.69	113.01	120.91
2	8z	111	VAL	CA-C-N	-5.69	113.01	120.91
2	8z	111	VAL	C-N-CA	-5.69	113.01	120.91
2	8h	111	VAL	CA-C-N	-5.68	113.01	120.91
2	8h	111	VAL	C-N-CA	-5.68	113.01	120.91
2	6i	111	VAL	CA-C-N	-5.68	113.01	120.91
2	6i	111	VAL	C-N-CA	-5.68	113.01	120.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5K	281	VAL	N-CA-C	5.68	117.04	109.37
1	1O	91	ILE	CA-C-N	5.68	126.94	119.84
1	1O	91	ILE	C-N-CA	5.68	126.94	119.84
2	1j	111	VAL	CA-C-N	-5.68	113.01	120.91
2	1j	111	VAL	C-N-CA	-5.68	113.01	120.91
2	4j	111	VAL	CA-C-N	-5.68	113.01	120.91
2	4j	111	VAL	C-N-CA	-5.68	113.01	120.91
2	3o	111	VAL	CA-C-N	-5.68	113.01	120.91
2	3o	111	VAL	C-N-CA	-5.68	113.01	120.91
2	4l	111	VAL	CA-C-N	-5.68	113.01	120.91
2	4l	111	VAL	C-N-CA	-5.68	113.01	120.91
1	5P	196	THR	N-CA-C	-5.68	102.88	110.55
2	3i	111	VAL	CA-C-N	-5.68	113.02	120.91
2	3i	111	VAL	C-N-CA	-5.68	113.02	120.91
1	5E	281	VAL	N-CA-C	5.68	117.04	109.37
1	5b	196	THR	N-CA-C	-5.68	102.89	110.55
1	5J	196	THR	N-CA-C	-5.67	102.89	110.55
1	6X	314	ASN	CA-C-N	5.67	126.93	119.84
1	6X	314	ASN	C-N-CA	5.67	126.93	119.84
1	1a	91	ILE	CA-C-N	5.67	126.93	119.84
1	1a	91	ILE	C-N-CA	5.67	126.93	119.84
1	6d	314	ASN	CA-C-N	5.67	126.93	119.84
1	6d	314	ASN	C-N-CA	5.67	126.93	119.84
2	1n	111	VAL	CA-C-N	-5.67	113.03	120.91
2	1n	111	VAL	C-N-CA	-5.67	113.03	120.91
1	8D	124	MET	CA-C-N	5.67	125.58	119.85
1	8D	124	MET	C-N-CA	5.67	125.58	119.85
1	5V	196	THR	N-CA-C	-5.67	102.90	110.55
2	8q	111	VAL	CA-C-N	-5.67	113.03	120.91
2	8q	111	VAL	C-N-CA	-5.67	113.03	120.91
2	9R	111	VAL	CA-C-N	-5.67	113.03	120.91
2	9R	111	VAL	C-N-CA	-5.67	113.03	120.91
2	6m	111	VAL	CA-C-N	-5.67	113.03	120.91
2	6m	111	VAL	C-N-CA	-5.67	113.03	120.91
2	4n	111	VAL	CA-C-N	-5.67	113.03	120.91
2	4n	111	VAL	C-N-CA	-5.67	113.03	120.91
1	8J	124	MET	CA-C-N	5.66	125.57	119.85
1	8J	124	MET	C-N-CA	5.66	125.57	119.85
1	4P	314	ASN	CA-C-N	5.66	126.92	119.84
1	4P	314	ASN	C-N-CA	5.66	126.92	119.84
2	6e	111	VAL	CA-C-N	-5.66	113.04	120.91
2	6e	111	VAL	C-N-CA	-5.66	113.04	120.91

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	9P	111	VAL	CA-C-N	-5.66	113.04	120.91
2	9P	111	VAL	C-N-CA	-5.66	113.04	120.91
1	5D	196	THR	N-CA-C	-5.66	102.91	110.55
1	4V	314	ASN	CA-C-N	5.66	126.92	119.84
1	4V	314	ASN	C-N-CA	5.66	126.92	119.84
2	4h	58	TYR	CA-C-N	5.66	126.92	119.84
2	4h	58	TYR	C-N-CA	5.66	126.92	119.84
2	8j	111	VAL	CA-C-N	-5.66	113.04	120.91
2	8j	111	VAL	C-N-CA	-5.66	113.04	120.91
1	5Q	281	VAL	N-CA-C	5.66	117.01	109.37
2	8p	111	VAL	CA-C-N	-5.66	113.05	120.91
2	8p	111	VAL	C-N-CA	-5.66	113.05	120.91
2	6u	111	VAL	CA-C-N	-5.65	113.05	120.91
2	6u	111	VAL	C-N-CA	-5.65	113.05	120.91
1	3V	153	PHE	CA-CB-CG	-5.65	108.15	113.80
1	5W	281	VAL	N-CA-C	5.65	117.00	109.37
1	6K	250	ILE	N-CA-C	5.65	115.88	110.74
1	4b	314	ASN	CA-C-N	5.65	126.90	119.84
1	4b	314	ASN	C-N-CA	5.65	126.90	119.84
1	8b	124	MET	CA-C-N	5.65	125.56	119.85
1	8b	124	MET	C-N-CA	5.65	125.56	119.85
1	5U	279	VAL	N-CA-C	5.65	116.36	109.30
1	3J	153	PHE	CA-CB-CG	-5.65	108.15	113.80
1	5I	279	VAL	N-CA-C	5.64	116.35	109.30
1	1H	36	VAL	CA-C-N	5.64	125.74	119.87
1	1H	36	VAL	C-N-CA	5.64	125.74	119.87
1	7X	335	PHE	N-CA-C	-5.64	101.62	110.36
1	7H	425	LYS	CA-C-N	5.64	125.55	119.85
1	7H	425	LYS	C-N-CA	5.64	125.55	119.85
2	9L	111	VAL	CA-C-N	-5.64	113.07	120.91
2	9L	111	VAL	C-N-CA	-5.64	113.07	120.91
1	3D	153	PHE	CA-CB-CG	-5.64	108.16	113.80
1	6Q	250	ILE	N-CA-C	5.64	115.87	110.74
1	3P	153	PHE	CA-CB-CG	-5.63	108.17	113.80
1	6E	250	ILE	N-CA-C	5.63	115.87	110.74
1	5C	279	VAL	N-CA-C	5.63	116.34	109.30
1	3b	153	PHE	CA-CB-CG	-5.63	108.17	113.80
2	1p	58	TYR	CA-C-N	5.63	126.88	119.84
2	1p	58	TYR	C-N-CA	5.63	126.88	119.84
2	4f	58	TYR	CA-C-N	5.63	126.88	119.84
2	4f	58	TYR	C-N-CA	5.63	126.88	119.84
2	1l	58	TYR	CA-C-N	5.63	126.88	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	1l	58	TYR	C-N-CA	5.63	126.88	119.84
2	8v	111	VAL	CA-C-N	-5.63	113.09	120.91
2	8v	111	VAL	C-N-CA	-5.63	113.09	120.91
2	1x	58	TYR	CA-C-N	5.63	126.88	119.84
2	1x	58	TYR	C-N-CA	5.63	126.88	119.84
2	3u	58	TYR	CA-C-N	5.63	126.88	119.84
2	3u	58	TYR	C-N-CA	5.63	126.88	119.84
1	7M	425	LYS	CA-C-N	5.62	125.53	119.85
1	7M	425	LYS	C-N-CA	5.62	125.53	119.85
1	6c	250	ILE	N-CA-C	5.62	115.86	110.74
1	7U	438	ARG	CA-C-N	5.62	125.55	119.76
1	7U	438	ARG	C-N-CA	5.62	125.55	119.76
2	1h	58	TYR	CA-C-N	5.62	126.87	119.84
2	1h	58	TYR	C-N-CA	5.62	126.87	119.84
1	7K	438	ARG	CA-C-N	5.62	125.55	119.76
1	7K	438	ARG	C-N-CA	5.62	125.55	119.76
2	8t	58	TYR	CA-C-N	5.62	126.86	119.84
2	8t	58	TYR	C-N-CA	5.62	126.86	119.84
1	7I	335	PHE	N-CA-C	-5.62	101.66	110.36
1	7N	335	PHE	N-CA-C	-5.62	101.66	110.36
2	4l	58	TYR	CA-C-N	5.62	126.86	119.84
2	4l	58	TYR	C-N-CA	5.62	126.86	119.84
1	7C	425	LYS	CA-C-N	5.61	125.52	119.85
1	7C	425	LYS	C-N-CA	5.61	125.52	119.85
2	4j	58	TYR	CA-C-N	5.61	126.86	119.84
2	4j	58	TYR	C-N-CA	5.61	126.86	119.84
1	7A	438	ARG	CA-C-N	5.61	125.53	119.76
1	7A	438	ARG	C-N-CA	5.61	125.53	119.76
1	5O	279	VAL	N-CA-C	5.61	116.31	109.30
1	2U	81	ASN	CA-C-N	5.61	125.28	119.56
1	2U	81	ASN	C-N-CA	5.61	125.28	119.56
1	5a	279	VAL	N-CA-C	5.61	116.31	109.30
1	7D	335	PHE	N-CA-C	-5.61	101.67	110.36
2	3i	58	TYR	CA-C-N	5.61	126.85	119.84
2	3i	58	TYR	C-N-CA	5.61	126.85	119.84
2	5h	58	TYR	CA-C-N	5.61	126.85	119.84
2	5h	58	TYR	C-N-CA	5.61	126.85	119.84
1	2F	81	ASN	CA-C-N	5.60	125.28	119.56
1	2F	81	ASN	C-N-CA	5.60	125.28	119.56
1	1J	379	LYS	N-CA-C	5.60	117.04	108.52
1	5K	91	ILE	CA-C-N	5.60	126.08	120.14
1	5K	91	ILE	C-N-CA	5.60	126.08	120.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7R	425	LYS	CA-C-N	5.60	125.51	119.85
1	7R	425	LYS	C-N-CA	5.60	125.51	119.85
1	1B	36	VAL	CA-C-N	5.60	125.69	119.87
1	1B	36	VAL	C-N-CA	5.60	125.69	119.87
1	6T	231	ARG	N-CA-C	-5.60	104.42	111.92
1	6W	250	ILE	N-CA-C	5.60	115.84	110.74
2	1t	58	TYR	CA-C-N	5.60	126.84	119.84
2	1t	58	TYR	C-N-CA	5.60	126.84	119.84
1	1T	36	VAL	CA-C-N	5.60	125.69	119.87
1	1T	36	VAL	C-N-CA	5.60	125.69	119.87
1	7S	335	PHE	N-CA-C	-5.60	101.68	110.36
1	8K	82	PRO	N-CA-C	-5.60	102.41	111.14
2	5n	58	TYR	CA-C-N	5.60	126.83	119.84
2	5n	58	TYR	C-N-CA	5.60	126.83	119.84
1	1P	379	LYS	N-CA-C	5.59	117.03	108.52
1	6P	30	ASP	N-CA-CB	-5.59	106.39	111.59
1	6V	30	ASP	N-CA-CB	-5.59	106.39	111.59
2	8k	58	TYR	CA-C-N	5.59	126.83	119.84
2	8k	58	TYR	C-N-CA	5.59	126.83	119.84
2	5j	58	TYR	CA-C-N	5.59	126.83	119.84
2	5j	58	TYR	C-N-CA	5.59	126.83	119.84
2	3o	58	TYR	CA-C-N	5.59	126.83	119.84
2	3o	58	TYR	C-N-CA	5.59	126.83	119.84
1	6J	30	ASP	N-CA-CB	-5.59	106.39	111.59
1	4P	195	PHE	CA-CB-CG	5.59	119.39	113.80
1	7P	438	ARG	CA-C-N	5.59	125.52	119.76
1	7P	438	ARG	C-N-CA	5.59	125.52	119.76
1	8d	205	SER	N-CA-C	-5.59	108.25	114.62
2	8w	58	TYR	CA-C-N	5.59	126.83	119.84
2	8w	58	TYR	C-N-CA	5.59	126.83	119.84
1	7Y	425	LYS	CA-C-N	5.59	126.83	119.84
1	7Y	425	LYS	C-N-CA	5.59	126.83	119.84
2	3g	58	TYR	CA-C-N	5.59	126.83	119.84
2	3g	58	TYR	C-N-CA	5.59	126.83	119.84
2	3s	58	TYR	CA-C-N	5.59	126.83	119.84
2	3s	58	TYR	C-N-CA	5.59	126.83	119.84
1	2A	81	ASN	CA-C-N	5.59	125.26	119.56
1	2A	81	ASN	C-N-CA	5.59	125.26	119.56
1	6B	231	ARG	N-CA-C	-5.59	104.43	111.92
1	1N	36	VAL	CA-C-N	5.59	125.68	119.87
1	1N	36	VAL	C-N-CA	5.59	125.68	119.87
1	1Z	36	VAL	CA-C-N	5.59	125.68	119.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1Z	36	VAL	C-N-CA	5.59	125.68	119.87
2	5f	58	TYR	CA-C-N	5.59	126.82	119.84
2	5f	58	TYR	C-N-CA	5.59	126.82	119.84
1	1D	379	LYS	N-CA-C	5.58	117.01	108.52
1	1V	379	LYS	N-CA-C	5.58	117.01	108.52
1	3Y	281	VAL	N-CA-C	5.58	116.91	109.37
2	8h	58	TYR	CA-C-N	5.58	126.82	119.84
2	8h	58	TYR	C-N-CA	5.58	126.82	119.84
1	3G	281	VAL	N-CA-C	5.58	116.91	109.37
1	5c	91	ILE	CA-C-N	5.58	126.06	120.14
1	5c	91	ILE	C-N-CA	5.58	126.06	120.14
2	5l	58	TYR	CA-C-N	5.58	126.82	119.84
2	5l	58	TYR	C-N-CA	5.58	126.82	119.84
1	3S	281	VAL	N-CA-C	5.58	116.90	109.37
1	1b	379	LYS	N-CA-C	5.58	117.00	108.52
2	4n	58	TYR	CA-C-N	5.58	126.82	119.84
2	4n	58	TYR	C-N-CA	5.58	126.82	119.84
1	5E	91	ILE	CA-C-N	5.58	126.05	120.14
1	5E	91	ILE	C-N-CA	5.58	126.05	120.14
1	7F	438	ARG	CA-C-N	5.58	125.51	119.76
1	7F	438	ARG	C-N-CA	5.58	125.51	119.76
1	8Q	82	PRO	N-CA-C	-5.58	102.44	111.14
1	8R	205	SER	N-CA-C	-5.58	108.26	114.62
2	6w	58	TYR	CA-C-N	5.58	126.81	119.84
2	6w	58	TYR	C-N-CA	5.58	126.81	119.84
1	7T	425	LYS	CA-C-N	5.58	126.81	119.84
1	7T	425	LYS	C-N-CA	5.58	126.81	119.84
1	8L	205	SER	N-CA-C	-5.58	108.27	114.62
1	3A	281	VAL	N-CA-C	5.57	116.89	109.37
1	6D	30	ASP	N-CA-CB	-5.57	106.41	111.59
1	2K	81	ASN	CA-C-N	5.57	125.25	119.56
1	2K	81	ASN	C-N-CA	5.57	125.25	119.56
1	2U	124	MET	CA-C-N	5.57	125.50	119.76
1	2U	124	MET	C-N-CA	5.57	125.50	119.76
1	6Z	231	ARG	N-CA-C	-5.57	104.45	111.92
1	8c	82	PRO	N-CA-C	-5.57	102.45	111.14
2	3e	58	TYR	CA-C-N	5.57	126.81	119.84
2	3e	58	TYR	C-N-CA	5.57	126.81	119.84
2	3k	58	TYR	CA-C-N	5.57	126.81	119.84
2	3k	58	TYR	C-N-CA	5.57	126.81	119.84
1	7E	425	LYS	CA-C-N	5.57	126.80	119.84
1	7E	425	LYS	C-N-CA	5.57	126.80	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	8E	82	PRO	N-CA-C	-5.57	102.45	111.14
1	7W	425	LYS	CA-C-N	5.57	125.48	119.85
1	7W	425	LYS	C-N-CA	5.57	125.48	119.85
2	8e	58	TYR	CA-C-N	5.57	126.80	119.84
2	8e	58	TYR	C-N-CA	5.57	126.80	119.84
1	4K	430	VAL	N-CA-C	5.57	116.01	107.77
1	8F	205	SER	N-CA-C	-5.57	108.27	114.62
1	6b	30	ASP	N-CA-CB	-5.57	106.41	111.59
2	6g	58	TYR	CA-C-N	5.57	126.80	119.84
2	6g	58	TYR	C-N-CA	5.57	126.80	119.84
2	8z	58	TYR	CA-C-N	5.57	126.80	119.84
2	8z	58	TYR	C-N-CA	5.57	126.80	119.84
2	9P	58	TYR	CA-C-N	5.57	126.80	119.84
2	9P	58	TYR	C-N-CA	5.57	126.80	119.84
1	6H	231	ARG	N-CA-C	-5.56	104.46	111.92
1	6N	231	ARG	N-CA-C	-5.56	104.47	111.92
2	3w	58	TYR	CA-C-N	5.56	126.80	119.84
2	3w	58	TYR	C-N-CA	5.56	126.80	119.84
1	7J	425	LYS	CA-C-N	5.56	126.79	119.84
1	7J	425	LYS	C-N-CA	5.56	126.79	119.84
1	2K	124	MET	CA-C-N	5.56	125.49	119.76
1	2K	124	MET	C-N-CA	5.56	125.49	119.76
2	3q	58	TYR	CA-C-N	5.56	126.79	119.84
2	3q	58	TYR	C-N-CA	5.56	126.79	119.84
2	6s	58	TYR	CA-C-N	5.56	126.79	119.84
2	6s	58	TYR	C-N-CA	5.56	126.79	119.84
1	8X	205	SER	N-CA-C	-5.56	108.28	114.62
2	6i	58	TYR	CA-C-N	5.56	126.79	119.84
2	6i	58	TYR	C-N-CA	5.56	126.79	119.84
2	6k	58	TYR	CA-C-N	5.56	126.79	119.84
2	6k	58	TYR	C-N-CA	5.56	126.79	119.84
2	3m	58	TYR	CA-C-N	5.56	126.79	119.84
2	3m	58	TYR	C-N-CA	5.56	126.79	119.84
2	9M	58	TYR	CA-C-N	5.56	126.79	119.84
2	9M	58	TYR	C-N-CA	5.56	126.79	119.84
1	4E	430	VAL	N-CA-C	5.56	116.00	107.77
1	7O	425	LYS	CA-C-N	5.56	126.79	119.84
1	7O	425	LYS	C-N-CA	5.56	126.79	119.84
1	8W	82	PRO	N-CA-C	-5.56	102.47	111.14
1	5Q	91	ILE	CA-C-N	5.55	126.03	120.14
1	5Q	91	ILE	C-N-CA	5.55	126.03	120.14
2	6q	58	TYR	CA-C-N	5.55	126.78	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	6q	58	TYR	C-N-CA	5.55	126.78	119.84
1	4J	195	PHE	CA-CB-CG	5.55	119.35	113.80
1	8M	17	SER	N-CA-C	-5.55	106.34	113.23
1	4c	430	VAL	N-CA-C	5.55	115.99	107.77
2	8n	58	TYR	CA-C-N	5.55	126.78	119.84
2	8n	58	TYR	C-N-CA	5.55	126.78	119.84
1	2C	91	ILE	CA-C-N	5.55	126.78	119.84
1	2C	91	ILE	C-N-CA	5.55	126.78	119.84
1	4D	195	PHE	CA-CB-CG	5.55	119.35	113.80
1	8G	17	SER	N-CA-C	-5.55	106.35	113.23
1	2P	81	ASN	CA-C-N	5.55	125.22	119.56
1	2P	81	ASN	C-N-CA	5.55	125.22	119.56
1	2R	207	THR	N-CA-C	-5.55	102.68	110.50
1	2R	91	ILE	CA-C-N	5.55	126.77	119.84
1	2R	91	ILE	C-N-CA	5.55	126.77	119.84
1	5W	91	ILE	CA-C-N	5.55	126.02	120.14
1	5W	91	ILE	C-N-CA	5.55	126.02	120.14
2	8q	58	TYR	CA-C-N	5.55	126.77	119.84
2	8q	58	TYR	C-N-CA	5.55	126.77	119.84
1	6E	47	VAL	N-CA-C	5.54	117.46	111.58
1	6K	47	VAL	N-CA-C	5.54	117.46	111.58
2	6m	58	TYR	CA-C-N	5.54	126.77	119.84
2	6m	58	TYR	C-N-CA	5.54	126.77	119.84
1	2H	91	ILE	CA-C-N	5.54	126.77	119.84
1	2H	91	ILE	C-N-CA	5.54	126.77	119.84
1	3M	281	VAL	N-CA-C	5.54	116.85	109.37
2	6e	58	TYR	CA-C-N	5.54	126.77	119.84
2	6e	58	TYR	C-N-CA	5.54	126.77	119.84
2	1v	58	TYR	CA-C-N	5.54	126.77	119.84
2	1v	58	TYR	C-N-CA	5.54	126.77	119.84
1	2M	207	THR	N-CA-C	-5.54	102.69	110.50
1	7O	405	SER	N-CA-C	5.54	118.08	111.71
1	2E	14	ILE	N-CA-C	5.54	116.28	108.36
1	2P	124	MET	CA-C-N	5.54	125.47	119.76
1	2P	124	MET	C-N-CA	5.54	125.47	119.76
2	6o	58	TYR	CA-C-N	5.54	126.77	119.84
2	6o	58	TYR	C-N-CA	5.54	126.77	119.84
1	2J	14	ILE	N-CA-C	5.54	116.28	108.36
1	8A	17	SER	N-CA-C	-5.54	106.36	113.23
1	2A	124	MET	CA-C-N	5.54	125.46	119.76
1	2A	124	MET	C-N-CA	5.54	125.46	119.76
1	4W	430	VAL	N-CA-C	5.54	115.96	107.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2Y	14	ILE	N-CA-C	5.54	116.28	108.36
1	4Q	430	VAL	N-CA-C	5.53	115.96	107.77
1	4V	195	PHE	CA-CB-CG	5.53	119.33	113.80
1	6N	342	VAL	N-CA-C	5.53	115.85	108.11
1	8Y	17	SER	N-CA-C	-5.53	106.37	113.23
2	1r	58	TYR	CA-C-N	5.53	126.75	119.84
2	1r	58	TYR	C-N-CA	5.53	126.75	119.84
1	2F	124	MET	CA-C-N	5.53	125.45	119.76
1	2F	124	MET	C-N-CA	5.53	125.45	119.76
1	6W	47	VAL	N-CA-C	5.53	117.44	111.58
1	2W	91	ILE	CA-C-N	5.53	126.75	119.84
1	2W	91	ILE	C-N-CA	5.53	126.75	119.84
1	2H	207	THR	N-CA-C	-5.52	102.71	110.50
2	1f	58	TYR	CA-C-N	5.52	126.74	119.84
2	1f	58	TYR	C-N-CA	5.52	126.74	119.84
1	8Q	314	ASN	CA-C-N	5.52	126.74	119.84
1	8Q	314	ASN	C-N-CA	5.52	126.74	119.84
1	2C	207	THR	N-CA-C	-5.52	102.72	110.50
1	8K	314	ASN	CA-C-N	5.52	126.74	119.84
1	8K	314	ASN	C-N-CA	5.52	126.74	119.84
1	2M	91	ILE	CA-C-N	5.52	126.74	119.84
1	2M	91	ILE	C-N-CA	5.52	126.74	119.84
1	6P	252	ASP	N-CA-C	5.52	120.00	113.16
1	4b	195	PHE	CA-CB-CG	5.52	119.32	113.80
2	1j	58	TYR	CA-C-N	5.52	126.74	119.84
2	1j	58	TYR	C-N-CA	5.52	126.74	119.84
1	2T	14	ILE	N-CA-C	5.52	116.25	108.36
1	6V	252	ASP	N-CA-C	5.52	120.00	113.16
2	8p	58	TYR	CA-C-N	5.52	126.74	119.84
2	8p	58	TYR	C-N-CA	5.52	126.74	119.84
1	8E	314	ASN	CA-C-N	5.51	126.73	119.84
1	8E	314	ASN	C-N-CA	5.51	126.73	119.84
1	6H	342	VAL	N-CA-C	5.51	115.83	108.11
1	5P	430	VAL	N-CA-C	5.51	115.80	107.75
1	6Z	342	VAL	N-CA-C	5.51	115.82	108.11
1	6D	252	ASP	N-CA-C	5.51	119.99	113.16
1	8F	30	ASP	CB-CA-C	-5.51	109.23	115.79
1	2O	14	ILE	N-CA-C	5.51	116.24	108.36
1	6Q	47	VAL	N-CA-C	5.51	117.42	111.58
1	8S	17	SER	N-CA-C	-5.51	106.40	113.23
1	2W	207	THR	N-CA-C	-5.51	102.73	110.50
1	5D	430	VAL	N-CA-C	5.51	115.79	107.75

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5V	430	VAL	N-CA-C	5.50	115.79	107.75
1	7J	405	SER	N-CA-C	5.50	118.04	111.71
1	8L	30	ASP	CB-CA-C	-5.50	109.24	115.79
1	2L	67	ASP	N-CA-C	5.50	119.25	112.54
1	3R	438	ARG	CA-C-N	5.50	126.72	119.84
1	3R	438	ARG	C-N-CA	5.50	126.72	119.84
1	5b	430	VAL	N-CA-C	5.50	115.78	107.75
2	1n	58	TYR	CA-C-N	5.50	126.72	119.84
2	1n	58	TYR	C-N-CA	5.50	126.72	119.84
1	3L	438	ARG	CA-C-N	5.50	126.72	119.84
1	3L	438	ARG	C-N-CA	5.50	126.72	119.84
1	6X	438	ARG	CA-C-N	5.50	125.43	119.76
1	6X	438	ARG	C-N-CA	5.50	125.43	119.76
1	8S	376	THR	N-CA-C	-5.50	106.70	113.41
1	6d	438	ARG	CA-C-N	5.50	125.43	119.76
1	6d	438	ARG	C-N-CA	5.50	125.43	119.76
1	6B	342	VAL	N-CA-C	5.50	115.81	108.11
1	2Q	67	ASP	N-CA-C	5.50	119.25	112.54
1	6c	47	VAL	N-CA-C	5.50	117.41	111.58
1	5J	430	VAL	N-CA-C	5.50	115.78	107.75
1	6J	252	ASP	N-CA-C	5.50	119.98	113.16
1	6L	438	ARG	CA-C-N	5.50	125.42	119.76
1	6L	438	ARG	C-N-CA	5.50	125.42	119.76
1	8S	251	ILE	CB-CA-C	-5.50	105.15	112.46
1	8d	30	ASP	CB-CA-C	-5.50	109.25	115.79
1	8R	30	ASP	CB-CA-C	-5.50	109.25	115.79
2	8j	58	TYR	CA-C-N	5.50	126.71	119.84
2	8j	58	TYR	C-N-CA	5.50	126.71	119.84
2	6u	58	TYR	CA-C-N	5.50	126.71	119.84
2	6u	58	TYR	C-N-CA	5.50	126.71	119.84
1	2G	67	ASP	N-CA-C	5.49	119.24	112.54
1	2V	67	ASP	N-CA-C	5.49	119.24	112.54
1	8c	314	ASN	CA-C-N	5.49	126.71	119.84
1	8c	314	ASN	C-N-CA	5.49	126.71	119.84
2	9L	58	TYR	CA-C-N	5.49	126.71	119.84
2	9L	58	TYR	C-N-CA	5.49	126.71	119.84
1	2B	67	ASP	N-CA-C	5.49	119.24	112.54
1	6T	342	VAL	N-CA-C	5.49	115.80	108.11
1	3E	381	HIS	CA-CB-CG	-5.49	108.31	113.80
1	3F	438	ARG	CA-C-N	5.49	126.70	119.84
1	3F	438	ARG	C-N-CA	5.49	126.70	119.84
1	6b	252	ASP	N-CA-C	5.49	119.97	113.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2H	269	ASN	N-CA-C	-5.49	106.58	113.72
1	8W	314	ASN	CA-C-N	5.49	126.70	119.84
1	8W	314	ASN	C-N-CA	5.49	126.70	119.84
1	7E	405	SER	N-CA-C	5.49	118.02	111.71
1	8A	251	ILE	CB-CA-C	-5.48	105.17	112.46
1	8G	251	ILE	CB-CA-C	-5.48	105.17	112.46
1	2C	269	ASN	N-CA-C	-5.48	106.60	113.72
1	8G	376	THR	N-CA-C	-5.48	106.72	113.41
1	7T	405	SER	N-CA-C	5.48	118.01	111.71
1	6F	438	ARG	CA-C-N	5.48	125.40	119.76
1	6F	438	ARG	C-N-CA	5.48	125.40	119.76
1	3K	381	HIS	CA-CB-CG	-5.47	108.33	113.80
1	8M	251	ILE	CB-CA-C	-5.47	105.18	112.46
1	3X	438	ARG	CA-C-N	5.47	126.68	119.84
1	3X	438	ARG	C-N-CA	5.47	126.68	119.84
1	6J	30	ASP	N-CA-C	5.47	116.39	108.34
1	5Q	205	SER	CB-CA-C	-5.47	110.28	116.63
1	6R	438	ARG	CA-C-N	5.47	125.40	119.76
1	6R	438	ARG	C-N-CA	5.47	125.40	119.76
1	5c	205	SER	CB-CA-C	-5.47	110.28	116.63
1	8M	376	THR	N-CA-C	-5.47	106.73	113.41
1	7J	406	GLY	N-CA-C	-5.47	107.47	114.85
1	8P	250	ILE	N-CA-C	5.47	115.72	110.74
1	3W	381	HIS	CA-CB-CG	-5.47	108.33	113.80
1	7Y	405	SER	N-CA-C	5.47	118.00	111.71
1	8c	312	VAL	CA-C-N	-5.47	115.50	122.77
1	8c	312	VAL	C-N-CA	-5.47	115.50	122.77
2	9R	58	TYR	CA-C-N	5.47	126.68	119.84
2	9R	58	TYR	C-N-CA	5.47	126.68	119.84
1	3Q	381	HIS	CA-CB-CG	-5.47	108.33	113.80
1	8X	30	ASP	CB-CA-C	-5.47	109.28	115.79
1	3d	438	ARG	CA-C-N	5.47	126.67	119.84
1	3d	438	ARG	C-N-CA	5.47	126.67	119.84
2	8v	58	TYR	CA-C-N	5.47	126.67	119.84
2	8v	58	TYR	C-N-CA	5.47	126.67	119.84
1	3c	381	HIS	CA-CB-CG	-5.46	108.34	113.80
1	8A	376	THR	N-CA-C	-5.46	106.75	113.41
1	5G	392	THR	N-CA-C	-5.46	106.75	113.41
1	6P	30	ASP	N-CA-C	5.46	116.37	108.34
1	5E	205	SER	CB-CA-C	-5.46	110.30	116.63
1	8V	250	ILE	N-CA-C	5.46	115.71	110.74
2	5n	126	LYS	N-CA-C	5.46	117.23	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4M	240	THR	N-CA-C	5.46	117.11	107.61
1	6V	30	ASP	N-CA-C	5.46	116.36	108.34
1	5a	374	ARG	NE-CZ-NH1	-5.46	116.04	121.50
2	5h	126	LYS	N-CA-C	5.46	117.23	111.28
1	2M	269	ASN	N-CA-C	-5.46	106.63	113.72
1	8W	312	VAL	CA-C-N	-5.46	115.51	122.77
1	8W	312	VAL	C-N-CA	-5.46	115.51	122.77
1	2W	269	ASN	N-CA-C	-5.46	106.63	113.72
2	5l	126	LYS	N-CA-C	5.46	117.23	111.28
1	6b	30	ASP	N-CA-C	5.45	116.36	108.34
1	9E	430	VAL	N-CA-C	5.45	115.74	108.11
1	6D	30	ASP	N-CA-C	5.45	116.35	108.34
1	2R	269	ASN	N-CA-C	-5.45	106.64	113.72
1	4S	240	THR	N-CA-C	5.45	117.09	107.61
1	7Y	406	GLY	N-CA-C	-5.45	107.49	114.85
1	8Q	17	SER	N-CA-C	-5.45	105.77	112.90
1	8D	250	ILE	N-CA-C	5.45	115.69	110.74
1	8J	250	ILE	N-CA-C	5.45	115.69	110.74
1	8Q	312	VAL	CA-C-N	-5.45	115.53	122.77
1	8Q	312	VAL	C-N-CA	-5.45	115.53	122.77
1	5F	14	ILE	N-CA-C	5.44	115.62	107.51
1	4G	240	THR	N-CA-C	5.44	117.08	107.61
1	8Y	251	ILE	CB-CA-C	-5.44	105.22	112.46
1	8K	17	SER	N-CA-C	-5.44	105.77	112.90
1	7O	406	GLY	N-CA-C	-5.44	107.50	114.85
1	5W	205	SER	CB-CA-C	-5.44	110.32	116.63
1	5X	14	ILE	N-CA-C	5.44	115.62	107.51
1	6Y	250	ILE	N-CA-C	5.44	116.51	111.45
1	8Y	376	THR	N-CA-C	-5.44	106.77	113.41
1	4A	240	THR	N-CA-C	5.44	117.08	107.61
1	8E	17	SER	N-CA-C	-5.44	105.77	112.90
1	3X	314	ASN	CA-C-N	5.44	126.64	119.84
1	3X	314	ASN	C-N-CA	5.44	126.64	119.84
1	4b	201	ASP	N-CA-C	-5.44	102.83	110.50
1	5d	14	ILE	N-CA-C	5.44	115.62	107.51
1	8c	17	SER	N-CA-C	-5.44	105.77	112.90
1	8K	312	VAL	CA-C-N	-5.44	115.54	122.77
1	8K	312	VAL	C-N-CA	-5.44	115.54	122.77
1	5K	205	SER	CB-CA-C	-5.44	110.32	116.63
1	8W	17	SER	N-CA-C	-5.44	105.78	112.90
1	7E	406	GLY	N-CA-C	-5.43	107.51	114.85
1	5M	430	VAL	N-CA-C	5.43	115.94	108.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6S	250	ILE	N-CA-C	5.43	116.50	111.45
1	3c	234	ASN	CA-CB-CG	-5.43	107.17	112.60
1	8b	250	ILE	N-CA-C	5.43	115.68	110.74
1	9B	430	VAL	N-CA-C	5.43	115.71	108.11
1	5A	392	THR	N-CA-C	-5.43	106.79	113.41
1	8E	312	VAL	CA-C-N	-5.43	115.55	122.77
1	8E	312	VAL	C-N-CA	-5.43	115.55	122.77
1	2I	227	PRO	N-CA-C	-5.43	102.58	111.21
1	8S	417	THR	N-CA-C	5.43	117.65	109.23
1	4Y	240	THR	N-CA-C	5.43	117.06	107.61
1	5Y	392	THR	N-CA-C	-5.43	106.79	113.41
1	3R	314	ASN	CA-C-N	5.43	126.62	119.84
1	3R	314	ASN	C-N-CA	5.43	126.62	119.84
1	9A	430	VAL	N-CA-C	5.43	115.71	108.11
1	5M	392	THR	N-CA-C	-5.43	106.79	113.41
1	5O	376	THR	N-CA-C	-5.43	105.79	112.90
1	5S	392	THR	N-CA-C	-5.43	106.79	113.41
1	8W	263	VAL	CB-CA-C	-5.43	107.10	111.71
1	4D	201	ASP	N-CA-C	-5.42	102.85	110.50
1	6F	408	GLU	N-CA-C	5.42	118.02	111.40
1	5G	430	VAL	N-CA-C	5.42	115.93	108.12
1	5L	14	ILE	N-CA-C	5.42	115.59	107.51
1	5S	430	VAL	N-CA-C	5.42	115.93	108.12
1	5U	374	ARG	NE-CZ-NH1	-5.42	116.08	121.50
1	5Y	430	VAL	N-CA-C	5.42	115.93	108.12
2	5f	126	LYS	N-CA-C	5.42	117.19	111.28
1	3E	234	ASN	CA-CB-CG	-5.42	107.18	112.60
1	6A	250	ILE	N-CA-C	5.42	116.49	111.45
1	4J	201	ASP	N-CA-C	-5.42	102.86	110.50
1	1N	376	THR	N-CA-C	-5.42	106.80	113.41
1	3Q	234	ASN	CA-CB-CG	-5.42	107.18	112.60
1	6M	250	ILE	N-CA-C	5.42	116.49	111.45
1	3F	314	ASN	CA-C-N	5.42	126.61	119.84
1	3F	314	ASN	C-N-CA	5.42	126.61	119.84
1	5O	374	ARG	NE-CZ-NH1	-5.42	116.08	121.50
1	5R	14	ILE	N-CA-C	5.42	115.58	107.51
1	4V	201	ASP	N-CA-C	-5.42	102.86	110.50
1	5A	430	VAL	N-CA-C	5.42	115.92	108.12
1	7T	406	GLY	N-CA-C	-5.42	107.54	114.85
1	8Y	417	THR	N-CA-C	5.42	117.62	109.23
2	3q	126	LYS	N-CA-C	5.42	117.19	111.28
1	5C	374	ARG	NE-CZ-NH1	-5.42	116.08	121.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2N	227	PRO	N-CA-C	-5.42	102.60	111.21
1	5X	389	GLY	N-CA-C	-5.42	107.79	113.58
1	9D	430	VAL	N-CA-C	5.42	115.69	108.11
1	2D	227	PRO	N-CA-C	-5.41	102.60	111.21
1	5C	376	THR	N-CA-C	-5.41	105.81	112.90
1	8M	417	THR	N-CA-C	5.41	117.62	109.23
1	8A	417	THR	N-CA-C	5.41	117.62	109.23
1	6L	408	GLU	N-CA-C	5.41	118.00	111.40
1	4P	201	ASP	N-CA-C	-5.41	102.87	110.50
1	8c	263	VAL	CB-CA-C	-5.41	107.11	111.71
1	5L	389	GLY	N-CA-C	-5.41	107.79	113.58
1	5I	376	THR	N-CA-C	-5.41	105.82	112.90
1	3d	314	ASN	CA-C-N	5.41	126.60	119.84
1	3d	314	ASN	C-N-CA	5.41	126.60	119.84
1	8G	417	THR	N-CA-C	5.40	117.61	109.23
1	6X	408	GLU	N-CA-C	5.40	117.99	111.40
1	1B	376	THR	N-CA-C	-5.40	106.82	113.41
1	9C	430	VAL	N-CA-C	5.40	115.67	108.11
1	2S	227	PRO	N-CA-C	-5.40	102.62	111.21
1	3W	234	ASN	CA-CB-CG	-5.40	107.20	112.60
1	5a	376	THR	N-CA-C	-5.40	105.82	112.90
1	3L	314	ASN	CA-C-N	5.40	126.59	119.84
1	3L	314	ASN	C-N-CA	5.40	126.59	119.84
1	6R	408	GLU	N-CA-C	5.40	117.99	111.40
1	2X	227	PRO	N-CA-C	-5.40	102.63	111.21
1	1H	376	THR	N-CA-C	-5.40	106.83	113.41
1	6d	408	GLU	N-CA-C	5.40	117.98	111.40
2	8k	126	LYS	N-CA-C	5.39	117.16	111.28
2	8z	126	LYS	N-CA-C	5.39	117.16	111.28
1	3K	234	ASN	CA-CB-CG	-5.39	107.21	112.60
1	4I	208	GLY	N-CA-C	-5.39	107.48	113.79
1	4U	405	SER	N-CA-C	5.39	117.25	110.24
1	5U	376	THR	N-CA-C	-5.39	105.83	112.90
1	3c	438	ARG	CA-C-N	5.39	126.58	119.84
1	3c	438	ARG	C-N-CA	5.39	126.58	119.84
2	3m	126	LYS	N-CA-C	5.39	117.16	111.28
1	5F	389	GLY	N-CA-C	-5.39	107.81	113.58
2	8q	126	LYS	N-CA-C	5.39	117.16	111.28
2	8t	126	LYS	N-CA-C	5.39	117.16	111.28
1	8E	263	VAL	CB-CA-C	-5.39	107.13	111.71
1	5I	374	ARG	NE-CZ-NH1	-5.39	116.11	121.50
1	1T	376	THR	N-CA-C	-5.39	106.83	113.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	8n	126	LYS	N-CA-C	5.39	117.15	111.28
2	5j	126	LYS	N-CA-C	5.39	117.16	111.28
1	6G	250	ILE	N-CA-C	5.39	116.46	111.45
1	1Z	376	THR	N-CA-C	-5.39	106.84	113.41
1	4H	202	GLU	CA-C-N	5.39	124.72	118.85
1	4H	202	GLU	C-N-CA	5.39	124.72	118.85
2	1h	126	LYS	N-CA-C	5.39	117.15	111.28
2	1t	126	LYS	N-CA-C	5.39	117.15	111.28
2	1x	126	LYS	N-CA-C	5.39	117.15	111.28
1	4C	405	SER	N-CA-C	5.38	117.24	110.24
2	4h	126	LYS	N-CA-C	5.38	117.15	111.28
2	1p	126	LYS	N-CA-C	5.38	117.15	111.28
2	8w	126	LYS	N-CA-C	5.38	117.15	111.28
1	1C	250	ILE	N-CA-C	5.38	115.64	110.74
2	3e	126	LYS	N-CA-C	5.38	117.14	111.28
1	4O	208	GLY	N-CA-C	-5.38	107.50	113.79
2	8e	126	LYS	N-CA-C	5.38	117.14	111.28
1	8K	263	VAL	CB-CA-C	-5.38	107.14	111.71
1	4O	202	GLU	CA-C-N	5.38	126.56	119.84
1	4O	202	GLU	C-N-CA	5.38	126.56	119.84
1	5R	389	GLY	N-CA-C	-5.38	107.83	113.58
2	8h	126	LYS	N-CA-C	5.38	117.14	111.28
2	1l	126	LYS	N-CA-C	5.38	117.14	111.28
2	6s	126	LYS	N-CA-C	5.38	117.14	111.28
2	3u	126	LYS	N-CA-C	5.38	117.14	111.28
1	4C	208	GLY	N-CA-C	-5.37	107.50	113.79
1	1O	250	ILE	N-CA-C	5.37	115.63	110.74
1	7L	53	ILE	N-CA-C	5.37	117.80	111.09
2	9P	126	LYS	N-CA-C	5.37	117.14	111.28
2	3s	126	LYS	N-CA-C	5.37	117.13	111.28
2	9M	126	LYS	N-CA-C	5.37	117.13	111.28
1	4I	202	GLU	CA-C-N	5.37	126.55	119.84
1	4I	202	GLU	C-N-CA	5.37	126.55	119.84
1	4U	202	GLU	CA-C-N	5.37	126.55	119.84
1	4U	202	GLU	C-N-CA	5.37	126.55	119.84
2	4f	126	LYS	N-CA-C	5.37	117.13	111.28
1	1a	250	ILE	N-CA-C	5.37	115.62	110.74
1	5d	389	GLY	N-CA-C	-5.37	107.84	113.58
1	7K	36	VAL	CA-C-N	5.37	125.45	119.87
1	7K	36	VAL	C-N-CA	5.37	125.45	119.87
1	7T	131	PHE	CA-CB-CG	-5.37	108.43	113.80
2	6k	126	LYS	N-CA-C	5.37	117.13	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	3o	126	LYS	N-CA-C	5.37	117.13	111.28
1	7B	53	ILE	N-CA-C	5.36	117.79	111.09
1	7E	131	PHE	CA-CB-CG	-5.36	108.44	113.80
1	4I	405	SER	N-CA-C	5.36	117.21	110.24
1	7G	53	ILE	N-CA-C	5.36	117.79	111.09
1	3W	438	ARG	CA-C-N	5.36	126.54	119.84
1	3W	438	ARG	C-N-CA	5.36	126.54	119.84
2	6m	126	LYS	N-CA-C	5.36	117.12	111.28
2	4l	126	LYS	N-CA-C	5.36	117.12	111.28
2	6q	126	LYS	N-CA-C	5.36	117.12	111.28
1	1I	250	ILE	N-CA-C	5.36	115.62	110.74
1	5G	314	ASN	CA-C-N	5.36	126.11	120.11
1	5G	314	ASN	C-N-CA	5.36	126.11	120.11
1	4O	405	SER	N-CA-C	5.36	117.20	110.24
1	4a	208	GLY	N-CA-C	-5.36	107.52	113.79
2	4n	126	LYS	N-CA-C	5.36	117.12	111.28
1	3E	438	ARG	CA-C-N	5.36	126.53	119.84
1	3E	438	ARG	C-N-CA	5.36	126.53	119.84
1	7T	293	VAL	N-CA-C	5.36	115.83	108.12
2	3i	126	LYS	N-CA-C	5.36	117.12	111.28
1	4C	202	GLU	CA-C-N	5.35	126.53	119.84
1	4C	202	GLU	C-N-CA	5.35	126.53	119.84
1	4K	331	SER	N-CA-C	5.35	115.61	108.38
1	4Q	331	SER	N-CA-C	5.35	115.61	108.38
1	7Q	53	ILE	N-CA-C	5.35	117.78	111.09
2	1f	126	LYS	N-CA-C	5.35	117.11	111.28
2	6u	126	LYS	N-CA-C	5.35	117.11	111.28
1	4E	331	SER	N-CA-C	5.35	115.60	108.38
1	1U	250	ILE	N-CA-C	5.35	115.61	110.74
2	6e	126	LYS	N-CA-C	5.35	117.11	111.28
2	6g	126	LYS	N-CA-C	5.35	117.11	111.28
1	4B	202	GLU	CA-C-N	5.35	124.68	118.85
1	4B	202	GLU	C-N-CA	5.35	124.68	118.85
1	4T	202	GLU	CA-C-N	5.35	124.68	118.85
1	4T	202	GLU	C-N-CA	5.35	124.68	118.85
1	6V	103	ASP	CA-CB-CG	5.35	117.95	112.60
1	7Y	293	VAL	N-CA-C	5.35	115.82	108.12
1	2R	405	SER	N-CA-C	5.35	118.60	111.75
1	7V	53	ILE	N-CA-C	5.35	117.77	111.09
2	6i	126	LYS	N-CA-C	5.35	117.11	111.28
2	3w	126	LYS	N-CA-C	5.35	117.11	111.28
2	6w	126	LYS	N-CA-C	5.35	117.11	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	4a	405	SER	N-CA-C	5.35	117.19	110.24
1	3K	438	ARG	CA-C-N	5.34	126.52	119.84
1	3K	438	ARG	C-N-CA	5.34	126.52	119.84
1	6b	103	ASP	CA-CB-CG	5.34	117.94	112.60
1	6D	103	ASP	CA-CB-CG	5.34	117.94	112.60
1	7O	131	PHE	CA-CB-CG	-5.34	108.46	113.80
1	8Q	263	VAL	CB-CA-C	-5.34	107.17	111.71
1	4U	208	GLY	N-CA-C	-5.34	107.54	113.79
2	3g	126	LYS	N-CA-C	5.34	117.10	111.28
2	1r	126	LYS	N-CA-C	5.34	117.10	111.28
2	1v	126	LYS	N-CA-C	5.34	117.10	111.28
1	5X	252	ASP	N-CA-C	5.34	119.78	113.16
1	7Y	131	PHE	CA-CB-CG	-5.34	108.46	113.80
1	5A	314	ASN	CA-C-N	5.34	126.09	120.11
1	5A	314	ASN	C-N-CA	5.34	126.09	120.11
1	5R	252	ASP	N-CA-C	5.34	119.78	113.16
1	6P	314	ASN	CA-C-N	5.34	126.51	119.84
1	6P	314	ASN	C-N-CA	5.34	126.51	119.84
2	4j	126	LYS	N-CA-C	5.34	117.10	111.28
1	7J	293	VAL	N-CA-C	5.33	115.80	108.12
1	4a	202	GLU	CA-C-N	5.33	126.51	119.84
1	4a	202	GLU	C-N-CA	5.33	126.51	119.84
1	6J	103	ASP	CA-CB-CG	5.33	117.93	112.60
1	4c	331	SER	N-CA-C	5.33	115.58	108.38
2	8p	126	LYS	N-CA-C	5.33	117.09	111.28
2	6o	126	LYS	N-CA-C	5.33	117.09	111.28
1	7E	293	VAL	N-CA-C	5.33	115.79	108.12
1	1d	263	VAL	N-CA-C	5.33	115.54	110.53
1	2R	356	PRO	CA-N-CD	-5.33	104.54	112.00
1	5F	252	ASP	N-CA-C	5.32	119.76	113.16
2	8j	126	LYS	N-CA-C	5.32	117.08	111.28
2	1n	126	LYS	N-CA-C	5.32	117.08	111.28
1	4W	331	SER	N-CA-C	5.32	115.56	108.38
1	5d	252	ASP	N-CA-C	5.32	119.76	113.16
2	8v	126	LYS	N-CA-C	5.32	117.08	111.28
1	4Z	202	GLU	CA-C-N	5.32	124.65	118.85
1	4Z	202	GLU	C-N-CA	5.32	124.65	118.85
1	1F	263	VAL	N-CA-C	5.32	115.53	110.53
1	4N	202	GLU	CA-C-N	5.32	124.65	118.85
1	4N	202	GLU	C-N-CA	5.32	124.65	118.85
1	5M	314	ASN	CA-C-N	5.32	126.07	120.11
1	5M	314	ASN	C-N-CA	5.32	126.07	120.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1L	263	VAL	N-CA-C	5.32	115.53	110.53
1	1R	263	VAL	N-CA-C	5.32	115.53	110.53
1	7O	293	VAL	N-CA-C	5.32	115.78	108.12
1	1X	263	VAL	N-CA-C	5.32	115.53	110.53
1	2H	405	SER	N-CA-C	5.32	118.56	111.75
2	9R	126	LYS	N-CA-C	5.32	117.07	111.28
1	8I	73	VAL	N-CA-C	5.31	115.23	107.37
1	6b	314	ASN	CA-C-N	5.31	126.48	119.84
1	6b	314	ASN	C-N-CA	5.31	126.48	119.84
1	4Q	118	LYS	N-CA-C	5.31	118.22	111.69
1	8Y	355	SER	C-N-CD	-5.31	103.22	125.00
1	2M	405	SER	N-CA-C	5.31	118.55	111.75
1	3O	296	ASP	N-CA-C	5.31	119.32	113.21
1	6D	314	ASN	CA-C-N	5.31	126.48	119.84
1	6D	314	ASN	C-N-CA	5.31	126.48	119.84
1	5L	252	ASP	N-CA-C	5.31	119.74	113.16
1	8G	355	SER	C-N-CD	-5.31	103.23	125.00
1	3P	430	VAL	N-CA-C	5.31	115.54	108.11
1	8O	73	VAL	N-CA-C	5.31	115.23	107.37
1	5R	81	ASN	CA-C-N	5.31	125.12	119.28
1	5R	81	ASN	C-N-CA	5.31	125.12	119.28
1	6P	103	ASP	CA-CB-CG	5.31	117.91	112.60
1	2W	356	PRO	CA-N-CD	-5.31	104.57	112.00
1	3C	296	ASP	N-CA-C	5.31	119.31	113.21
1	6V	314	ASN	CA-C-N	5.31	126.47	119.84
1	6V	314	ASN	C-N-CA	5.31	126.47	119.84
1	2C	405	SER	N-CA-C	5.30	118.54	111.75
1	8A	355	SER	C-N-CD	-5.30	103.25	125.00
1	8C	73	VAL	N-CA-C	5.30	115.22	107.37
1	2P	14	ILE	N-CA-C	5.30	114.38	106.85
1	5S	314	ASN	CA-C-N	5.30	126.05	120.11
1	5S	314	ASN	C-N-CA	5.30	126.05	120.11
1	8S	260	ASP	CA-CB-CG	5.30	117.91	112.60
1	8S	355	SER	C-N-CD	-5.30	103.25	125.00
1	3Q	438	ARG	CA-C-N	5.30	126.47	119.84
1	3Q	438	ARG	C-N-CA	5.30	126.47	119.84
2	3k	126	LYS	N-CA-C	5.30	117.06	111.28
1	5F	81	ASN	CA-C-N	5.30	125.11	119.28
1	5F	81	ASN	C-N-CA	5.30	125.11	119.28
1	2H	356	PRO	CA-N-CD	-5.30	104.58	112.00
1	8M	355	SER	C-N-CD	-5.30	103.26	125.00
1	2C	356	PRO	CA-N-CD	-5.30	104.58	112.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2K	14	ILE	N-CA-C	5.30	114.37	106.85
1	2N	131	PHE	CA-CB-CG	-5.30	108.50	113.80
1	7J	131	PHE	CA-CB-CG	-5.30	108.50	113.80
1	8a	73	VAL	N-CA-C	5.30	115.21	107.37
1	8G	260	ASP	CA-CB-CG	5.30	117.90	112.60
1	6J	314	ASN	CA-C-N	5.29	126.46	119.84
1	6J	314	ASN	C-N-CA	5.29	126.46	119.84
1	7L	405	SER	N-CA-C	5.29	119.22	112.34
1	5Y	314	ASN	CA-C-N	5.29	126.04	120.11
1	5Y	314	ASN	C-N-CA	5.29	126.04	120.11
1	2F	14	ILE	N-CA-C	5.29	114.37	106.85
1	3J	430	VAL	N-CA-C	5.29	115.52	108.11
1	8U	73	VAL	N-CA-C	5.29	115.20	107.37
1	2A	14	ILE	N-CA-C	5.29	114.36	106.85
1	3D	430	VAL	N-CA-C	5.29	115.52	108.11
1	8M	430	VAL	N-CA-C	5.29	115.52	108.11
1	4E	118	LYS	N-CA-C	5.29	118.19	111.69
1	8A	260	ASP	CA-CB-CG	5.29	117.89	112.60
1	3I	296	ASP	N-CA-C	5.29	119.29	113.21
1	5X	81	ASN	CA-C-N	5.29	125.10	119.28
1	5X	81	ASN	C-N-CA	5.29	125.10	119.28
1	3a	296	ASP	N-CA-C	5.29	119.29	113.21
1	3d	398	GLY	N-CA-C	-5.29	108.05	114.92
1	4K	118	LYS	N-CA-C	5.29	118.19	111.69
1	8K	131	PHE	CA-CB-CG	-5.29	108.51	113.80
2	1j	126	LYS	N-CA-C	5.29	117.04	111.28
1	3F	398	GLY	N-CA-C	-5.28	108.05	114.92
1	3X	398	GLY	N-CA-C	-5.28	108.05	114.92
1	2W	405	SER	N-CA-C	5.28	118.51	111.75
1	5L	81	ASN	CA-C-N	5.28	125.09	119.28
1	5L	81	ASN	C-N-CA	5.28	125.09	119.28
1	3R	398	GLY	N-CA-C	-5.28	108.06	114.92
1	8G	430	VAL	N-CA-C	5.28	115.50	108.11
1	3V	430	VAL	N-CA-C	5.28	115.50	108.11
1	1J	263	VAL	CB-CA-C	-5.28	107.23	111.71
1	4c	118	LYS	N-CA-C	5.28	118.18	111.69
1	2D	131	PHE	CA-CB-CG	-5.27	108.53	113.80
1	8A	430	VAL	N-CA-C	5.27	115.49	108.11
1	8I	405	SER	N-CA-C	5.27	118.50	111.75
1	5d	81	ASN	CA-C-N	5.27	125.08	119.28
1	5d	81	ASN	C-N-CA	5.27	125.08	119.28
1	2I	103	ASP	CA-CB-CG	5.27	117.87	112.60

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2M	356	PRO	CA-N-CD	-5.27	104.62	112.00
1	8V	202	GLU	CA-C-N	5.27	125.08	119.28
1	8V	202	GLU	C-N-CA	5.27	125.08	119.28
1	1P	263	VAL	CB-CA-C	-5.27	107.23	111.71
1	3b	430	VAL	N-CA-C	5.27	115.48	108.11
2	9L	126	LYS	N-CA-C	5.27	117.02	111.28
1	3U	296	ASP	N-CA-C	5.26	119.26	113.21
1	7Q	405	SER	N-CA-C	5.26	119.18	112.34
1	2X	103	ASP	CA-CB-CG	5.26	117.86	112.60
1	1M	29	GLY	N-CA-C	-5.26	108.37	115.21
1	2S	131	PHE	CA-CB-CG	-5.26	108.54	113.80
1	1D	263	VAL	CB-CA-C	-5.26	107.24	111.71
1	7B	405	SER	N-CA-C	5.26	119.18	112.34
1	1V	263	VAL	CB-CA-C	-5.26	107.24	111.71
1	8S	430	VAL	N-CA-C	5.26	115.47	108.11
1	2U	14	ILE	N-CA-C	5.26	114.32	106.85
1	8Q	131	PHE	CA-CB-CG	-5.26	108.54	113.80
1	1b	263	VAL	CB-CA-C	-5.26	107.24	111.71
1	2D	103	ASP	CA-CB-CG	5.26	117.86	112.60
1	8E	131	PHE	CA-CB-CG	-5.26	108.54	113.80
1	2X	131	PHE	CA-CB-CG	-5.26	108.54	113.80
1	2I	131	PHE	CA-CB-CG	-5.25	108.55	113.80
1	3L	398	GLY	N-CA-C	-5.25	108.09	114.92
1	2N	430	VAL	N-CA-C	5.25	115.42	107.75
1	1Y	29	GLY	N-CA-C	-5.25	108.38	115.21
1	7G	314	ASN	CA-C-N	5.25	126.41	119.84
1	7G	314	ASN	C-N-CA	5.25	126.41	119.84
1	4W	118	LYS	N-CA-C	5.25	118.15	111.69
1	7V	314	ASN	CA-C-N	5.25	126.41	119.84
1	7V	314	ASN	C-N-CA	5.25	126.41	119.84
1	8Y	260	ASP	CA-CB-CG	5.25	117.85	112.60
1	8P	202	GLU	CA-C-N	5.25	125.06	119.28
1	8P	202	GLU	C-N-CA	5.25	125.06	119.28
1	2S	103	ASP	CA-CB-CG	5.25	117.85	112.60
1	8a	405	SER	N-CA-C	5.25	118.47	111.75
1	3T	437	ILE	N-CA-C	5.25	115.68	108.12
1	5b	124	MET	CA-C-N	5.25	126.40	119.84
1	5b	124	MET	C-N-CA	5.25	126.40	119.84
1	3L	68	ARG	N-CA-C	5.25	116.78	108.96
1	2N	103	ASP	CA-CB-CG	5.25	117.85	112.60
1	7B	314	ASN	CA-C-N	5.25	126.40	119.84
1	7B	314	ASN	C-N-CA	5.25	126.40	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1A	29	GLY	N-CA-C	-5.24	108.39	115.21
1	3H	437	ILE	N-CA-C	5.24	115.67	108.12
1	7L	314	ASN	CA-C-N	5.24	126.39	119.84
1	7L	314	ASN	C-N-CA	5.24	126.39	119.84
1	8U	405	SER	N-CA-C	5.24	118.46	111.75
1	3Z	437	ILE	N-CA-C	5.24	115.67	108.12
1	3B	437	ILE	N-CA-C	5.24	115.67	108.12
1	1G	29	GLY	N-CA-C	-5.24	108.40	115.21
1	2I	430	VAL	N-CA-C	5.24	115.40	107.75
1	1d	430	VAL	N-CA-C	5.24	116.27	108.46
1	7V	405	SER	N-CA-C	5.24	119.15	112.34
1	8M	260	ASP	CA-CB-CG	5.24	117.84	112.60
1	7Q	314	ASN	CA-C-N	5.24	126.39	119.84
1	7Q	314	ASN	C-N-CA	5.24	126.39	119.84
1	7T	430	VAL	N-CA-C	5.24	115.61	107.28
1	3F	68	ARG	N-CA-C	5.24	116.76	108.96
1	2L	36	VAL	CA-C-N	5.24	125.24	120.21
1	2L	36	VAL	C-N-CA	5.24	125.24	120.21
1	7O	430	VAL	N-CA-C	5.24	115.60	107.28
1	1S	29	GLY	N-CA-C	-5.24	108.40	115.21
1	3X	68	ARG	N-CA-C	5.24	116.76	108.96
1	8W	131	PHE	CA-CB-CG	-5.24	108.56	113.80
1	3d	68	ARG	N-CA-C	5.24	116.76	108.96
1	8Y	430	VAL	N-CA-C	5.24	115.44	108.11
1	8b	202	GLU	CA-C-N	5.24	125.04	119.28
1	8b	202	GLU	C-N-CA	5.24	125.04	119.28
1	6M	437	ILE	N-CA-C	5.23	115.50	110.74
1	5J	124	MET	CA-C-N	5.23	126.38	119.84
1	5J	124	MET	C-N-CA	5.23	126.38	119.84
1	2X	430	VAL	N-CA-C	5.23	115.39	107.75
1	2D	430	VAL	N-CA-C	5.23	115.39	107.75
1	5D	124	MET	CA-C-N	5.23	126.38	119.84
1	5D	124	MET	C-N-CA	5.23	126.38	119.84
1	7E	430	VAL	N-CA-C	5.23	115.60	107.28
1	8D	202	GLU	CA-C-N	5.23	125.03	119.28
1	8D	202	GLU	C-N-CA	5.23	125.03	119.28
1	7J	430	VAL	N-CA-C	5.23	115.60	107.28
1	7M	81	ASN	CA-C-N	5.23	124.90	119.56
1	7M	81	ASN	C-N-CA	5.23	124.90	119.56
1	6Y	437	ILE	N-CA-C	5.23	115.50	110.74
1	1F	430	VAL	N-CA-C	5.23	116.25	108.46
1	1X	430	VAL	N-CA-C	5.23	116.25	108.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1L	430	VAL	N-CA-C	5.23	116.25	108.46
1	3R	68	ARG	N-CA-C	5.23	116.75	108.96
1	4X	438	ARG	CA-C-N	5.23	126.38	119.84
1	4X	438	ARG	C-N-CA	5.23	126.38	119.84
1	8J	202	GLU	CA-C-N	5.23	125.03	119.28
1	8J	202	GLU	C-N-CA	5.23	125.03	119.28
1	1R	430	VAL	N-CA-C	5.22	116.24	108.46
1	2T	342	VAL	N-CA-C	5.22	115.42	108.11
1	4X	398	GLY	N-CA-C	-5.22	108.04	115.30
1	2X	91	ILE	CA-C-N	5.22	126.37	119.84
1	2X	91	ILE	C-N-CA	5.22	126.37	119.84
1	3Y	118	LYS	N-CA-C	5.22	118.78	112.93
1	8c	131	PHE	CA-CB-CG	-5.22	108.58	113.80
1	8C	405	SER	N-CA-C	5.22	118.43	111.75
1	2N	91	ILE	CA-C-N	5.22	126.36	119.84
1	2N	91	ILE	C-N-CA	5.22	126.36	119.84
1	3M	118	LYS	N-CA-C	5.22	118.78	112.93
1	4P	263	VAL	N-CA-C	5.22	116.63	111.67
1	2S	91	ILE	CA-C-N	5.22	126.36	119.84
1	2S	91	ILE	C-N-CA	5.22	126.36	119.84
1	3S	118	LYS	N-CA-C	5.22	118.78	112.93
1	3V	14	ILE	N-CA-C	5.22	111.80	106.21
1	4V	263	VAL	N-CA-C	5.22	116.63	111.67
1	7R	81	ASN	CA-C-N	5.22	124.88	119.56
1	7R	81	ASN	C-N-CA	5.22	124.88	119.56
1	7Y	430	VAL	N-CA-C	5.22	115.58	107.28
1	3J	156	TRP	N-CA-C	-5.22	103.99	110.41
1	5V	358	ILE	N-CA-C	5.22	114.26	106.85
1	3P	14	ILE	N-CA-C	5.22	111.79	106.21
1	3b	14	ILE	N-CA-C	5.22	111.79	106.21
1	2B	430	VAL	N-CA-C	5.21	115.36	107.75
1	2D	91	ILE	CA-C-N	5.21	126.36	119.84
1	2D	91	ILE	C-N-CA	5.21	126.36	119.84
1	4I	8	VAL	N-CA-C	5.21	115.43	110.53
1	7G	405	SER	N-CA-C	5.21	119.12	112.34
1	2V	36	VAL	CA-C-N	5.21	125.22	120.21
1	2V	36	VAL	C-N-CA	5.21	125.22	120.21
1	5b	358	ILE	N-CA-C	5.21	114.25	106.85
1	4F	438	ARG	CA-C-N	5.21	126.35	119.84
1	4F	438	ARG	C-N-CA	5.21	126.35	119.84
1	3G	118	LYS	N-CA-C	5.21	118.77	112.93
1	3N	437	ILE	N-CA-C	5.21	115.62	108.12

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5V	124	MET	CA-C-N	5.21	126.35	119.84
1	5V	124	MET	C-N-CA	5.21	126.35	119.84
1	4R	398	GLY	N-CA-C	-5.21	108.06	115.30
1	3A	118	LYS	N-CA-C	5.21	118.76	112.93
1	5D	358	ILE	N-CA-C	5.21	114.25	106.85
1	2S	430	VAL	N-CA-C	5.21	115.36	107.75
1	4L	438	ARG	CA-C-N	5.21	126.35	119.84
1	4L	438	ARG	C-N-CA	5.21	126.35	119.84
1	5J	358	ILE	N-CA-C	5.21	114.24	106.85
1	5P	124	MET	CA-C-N	5.21	126.35	119.84
1	5P	124	MET	C-N-CA	5.21	126.35	119.84
1	8O	405	SER	N-CA-C	5.21	118.41	111.75
1	3D	14	ILE	N-CA-C	5.20	111.78	106.21
1	3D	156	TRP	N-CA-C	-5.20	104.01	110.41
1	4F	398	GLY	N-CA-C	-5.20	108.07	115.30
1	1S	440	ASN	CA-CB-CG	-5.20	107.40	112.60
1	3V	156	TRP	N-CA-C	-5.20	104.01	110.41
1	2E	342	VAL	N-CA-C	5.20	115.39	108.11
1	2I	91	ILE	CA-C-N	5.20	126.34	119.84
1	2I	91	ILE	C-N-CA	5.20	126.34	119.84
1	2V	430	VAL	N-CA-C	5.20	115.34	107.75
1	3b	156	TRP	N-CA-C	-5.20	104.01	110.41
1	3P	156	TRP	N-CA-C	-5.20	104.02	110.41
1	2B	36	VAL	CA-C-N	5.20	125.20	120.21
1	2B	36	VAL	C-N-CA	5.20	125.20	120.21
1	5P	376	THR	N-CA-C	-5.20	107.49	113.88
1	2Q	430	VAL	N-CA-C	5.20	115.34	107.75
1	4Y	250	ILE	N-CA-C	5.20	116.28	111.45
1	4R	438	ARG	CA-C-N	5.20	126.33	119.84
1	4R	438	ARG	C-N-CA	5.20	126.33	119.84
1	5W	5	PHE	CA-CB-CG	-5.20	108.61	113.80
1	6A	437	ILE	N-CA-C	5.19	115.47	110.74
1	2L	430	VAL	N-CA-C	5.19	115.33	107.75
1	4L	398	GLY	N-CA-C	-5.19	108.08	115.30
1	2O	342	VAL	N-CA-C	5.19	115.38	108.11
1	4S	250	ILE	N-CA-C	5.19	116.28	111.45
1	4J	263	VAL	N-CA-C	5.19	116.60	111.67
1	4M	250	ILE	N-CA-C	5.19	116.28	111.45
1	2G	36	VAL	CA-C-N	5.19	125.19	120.21
1	2G	36	VAL	C-N-CA	5.19	125.19	120.21
1	2Q	36	VAL	CA-C-N	5.19	125.19	120.21
1	2Q	36	VAL	C-N-CA	5.19	125.19	120.21

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2Y	342	VAL	N-CA-C	5.19	115.38	108.11
1	4A	250	ILE	N-CA-C	5.19	116.28	111.45
1	4D	263	VAL	N-CA-C	5.19	116.60	111.67
1	5E	5	PHE	CA-CB-CG	-5.19	108.61	113.80
1	4G	250	ILE	N-CA-C	5.19	116.28	111.45
1	3X	36	VAL	CA-C-N	5.19	125.27	119.87
1	3X	36	VAL	C-N-CA	5.19	125.27	119.87
1	3J	14	ILE	N-CA-C	5.19	111.76	106.21
1	3d	36	VAL	CA-C-N	5.19	125.26	119.87
1	3d	36	VAL	C-N-CA	5.19	125.26	119.87
1	5P	358	ILE	N-CA-C	5.18	114.21	106.85
1	4d	398	GLY	N-CA-C	-5.18	108.09	115.30
1	4d	438	ARG	CA-C-N	5.18	126.32	119.84
1	4d	438	ARG	C-N-CA	5.18	126.32	119.84
1	2G	430	VAL	N-CA-C	5.18	115.32	107.75
1	5R	356	PRO	CA-N-CD	-5.18	104.74	112.00
1	5V	376	THR	N-CA-C	-5.18	107.51	113.88
1	5X	356	PRO	CA-N-CD	-5.18	104.74	112.00
1	1A	440	ASN	CA-CB-CG	-5.18	107.42	112.60
1	7C	81	ASN	CA-C-N	5.18	124.84	119.56
1	7C	81	ASN	C-N-CA	5.18	124.84	119.56
1	1M	440	ASN	CA-CB-CG	-5.18	107.42	112.60
1	5c	5	PHE	CA-CB-CG	-5.18	108.62	113.80
1	5K	5	PHE	CA-CB-CG	-5.17	108.62	113.80
1	7F	319	TYR	N-CA-C	5.17	116.94	109.07
1	1G	440	ASN	CA-CB-CG	-5.17	107.43	112.60
1	2J	342	VAL	N-CA-C	5.17	115.35	108.11
1	7W	81	ASN	CA-C-N	5.17	124.84	119.56
1	7W	81	ASN	C-N-CA	5.17	124.84	119.56
1	5O	356	PRO	CA-N-CD	-5.17	104.76	112.00
1	4T	314	ASN	CA-CB-CG	-5.17	107.43	112.60
1	4U	8	VAL	N-CA-C	5.17	115.39	110.53
1	5d	356	PRO	CA-N-CD	-5.17	104.76	112.00
1	5F	356	PRO	CA-N-CD	-5.17	104.76	112.00
1	1Y	440	ASN	CA-CB-CG	-5.17	107.43	112.60
1	7K	47	VAL	N-CA-C	5.17	115.83	110.82
1	7U	319	TYR	N-CA-C	5.17	116.92	109.07
1	5d	438	ARG	CA-C-N	5.17	126.30	119.84
1	5d	438	ARG	C-N-CA	5.17	126.30	119.84
1	7A	319	TYR	N-CA-C	5.16	116.92	109.07
1	5a	356	PRO	CA-N-CD	-5.16	104.77	112.00
1	7F	430	VAL	N-CA-C	5.16	115.48	107.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7K	319	TYR	N-CA-C	5.16	116.91	109.07
1	8R	140	TYR	CA-CB-CG	-5.16	104.61	113.90
1	3Z	417	THR	N-CA-C	5.16	117.23	109.23
1	5Q	5	PHE	CA-CB-CG	-5.16	108.64	113.80
1	5U	401	LEU	N-CA-C	5.16	116.90	111.28
1	4C	8	VAL	N-CA-C	5.16	115.38	110.53
1	4a	14	ILE	N-CA-C	5.16	115.52	107.99
1	3F	36	VAL	CA-C-N	5.16	125.23	119.87
1	3F	36	VAL	C-N-CA	5.16	125.23	119.87
1	8F	140	TYR	CA-CB-CG	-5.16	104.62	113.90
1	7A	47	VAL	N-CA-C	5.15	115.82	110.82
1	7U	47	VAL	N-CA-C	5.15	115.82	110.82
1	4C	14	ILE	N-CA-C	5.15	115.51	107.99
1	5C	356	PRO	CA-N-CD	-5.15	104.79	112.00
1	5U	356	PRO	CA-N-CD	-5.15	104.79	112.00
1	7U	430	VAL	N-CA-C	5.15	115.47	107.28
1	7A	430	VAL	N-CA-C	5.15	115.47	107.28
1	3R	36	VAL	CA-C-N	5.15	125.22	119.87
1	3R	36	VAL	C-N-CA	5.15	125.22	119.87
1	4U	14	ILE	N-CA-C	5.15	115.51	107.99
1	4a	8	VAL	N-CA-C	5.15	115.37	110.53
1	8X	140	TYR	CA-CB-CG	-5.15	104.63	113.90
1	5F	438	ARG	CA-C-N	5.15	126.28	119.84
1	5F	438	ARG	C-N-CA	5.15	126.28	119.84
1	4N	314	ASN	CA-CB-CG	-5.15	107.45	112.60
1	6P	383	VAL	N-CA-C	5.15	116.21	109.21
1	7K	430	VAL	N-CA-C	5.15	115.46	107.28
1	5X	139	PHE	N-CA-C	5.15	116.11	108.60
1	7P	319	TYR	N-CA-C	5.15	116.89	109.07
1	4b	263	VAL	N-CA-C	5.15	116.56	111.67
1	5D	376	THR	N-CA-C	-5.14	107.55	113.88
1	5L	356	PRO	CA-N-CD	-5.14	104.80	112.00
1	7F	47	VAL	N-CA-C	5.14	115.81	110.82
1	7H	81	ASN	CA-C-N	5.14	124.81	119.56
1	7H	81	ASN	C-N-CA	5.14	124.81	119.56
1	4N	435	VAL	N-CA-C	5.14	115.26	107.75
1	5X	438	ARG	CA-C-N	5.14	126.27	119.84
1	5X	438	ARG	C-N-CA	5.14	126.27	119.84
1	5I	356	PRO	CA-N-CD	-5.14	104.80	112.00
1	4B	314	ASN	CA-CB-CG	-5.14	107.46	112.60
1	5R	139	PHE	N-CA-C	5.14	116.10	108.60
1	7P	47	VAL	N-CA-C	5.14	115.81	110.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5b	376	THR	N-CA-C	-5.14	107.56	113.88
1	6c	351	GLN	N-CA-C	5.14	116.55	107.61
1	3T	417	THR	N-CA-C	5.14	117.19	109.23
1	5C	401	LEU	N-CA-C	5.14	116.88	111.28
1	4I	14	ILE	N-CA-C	5.14	115.49	107.99
1	5P	91	ILE	CA-C-N	5.14	126.26	119.84
1	5P	91	ILE	C-N-CA	5.14	126.26	119.84
1	6Q	351	GLN	N-CA-C	5.14	116.55	107.61
1	8P	196	THR	N-CA-C	-5.14	103.62	110.55
1	5V	91	ILE	CA-C-N	5.14	126.26	119.84
1	5V	91	ILE	C-N-CA	5.14	126.26	119.84
1	8d	140	TYR	CA-CB-CG	-5.14	104.65	113.90
1	3N	417	THR	N-CA-C	5.13	117.19	109.23
1	4Z	195	PHE	CA-CB-CG	5.13	118.93	113.80
1	6E	351	GLN	N-CA-C	5.13	116.54	107.61
1	6V	383	VAL	N-CA-C	5.13	116.19	109.21
1	1G	430	VAL	N-CA-C	5.13	115.30	108.11
1	6J	383	VAL	N-CA-C	5.13	116.19	109.21
1	8L	140	TYR	CA-CB-CG	-5.13	104.67	113.90
1	6W	251	ILE	N-CA-C	5.13	120.01	109.34
1	5D	91	ILE	CA-C-N	5.13	126.25	119.84
1	5D	91	ILE	C-N-CA	5.13	126.25	119.84
1	6D	383	VAL	N-CA-C	5.13	116.18	109.21
1	5J	91	ILE	CA-C-N	5.13	126.25	119.84
1	5J	91	ILE	C-N-CA	5.13	126.25	119.84
1	6K	351	GLN	N-CA-C	5.13	116.53	107.61
1	6S	437	ILE	N-CA-C	5.13	115.41	110.74
1	6c	251	ILE	N-CA-C	5.13	120.01	109.34
1	6G	437	ILE	N-CA-C	5.13	115.41	110.74
1	6W	435	VAL	N-CA-C	5.13	115.36	107.77
1	4Z	435	VAL	N-CA-C	5.13	115.23	107.75
1	6E	251	ILE	N-CA-C	5.12	120.00	109.34
1	8J	196	THR	N-CA-C	-5.12	103.63	110.55
1	4O	8	VAL	N-CA-C	5.12	115.35	110.53
1	3B	417	THR	N-CA-C	5.12	117.17	109.23
1	5F	139	PHE	N-CA-C	5.12	116.08	108.60
1	2J	314	ASN	CA-C-N	5.12	126.24	119.84
1	2J	314	ASN	C-N-CA	5.12	126.24	119.84
1	4O	14	ILE	N-CA-C	5.12	115.47	107.99
1	8V	196	THR	N-CA-C	-5.12	103.63	110.55
1	5b	91	ILE	CA-C-N	5.12	126.24	119.84
1	5b	91	ILE	C-N-CA	5.12	126.24	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5I	401	LEU	N-CA-C	5.12	116.86	111.28
1	5L	438	ARG	CA-C-N	5.12	126.24	119.84
1	5L	438	ARG	C-N-CA	5.12	126.24	119.84
1	6K	251	ILE	N-CA-C	5.12	120.00	109.34
1	8b	196	THR	N-CA-C	-5.12	103.64	110.55
1	3H	417	THR	N-CA-C	5.12	117.17	109.23
1	5R	438	ARG	CA-C-N	5.12	126.24	119.84
1	5R	438	ARG	C-N-CA	5.12	126.24	119.84
1	4B	435	VAL	N-CA-C	5.12	115.22	107.75
1	8D	196	THR	N-CA-C	-5.12	103.64	110.55
1	6U	425	LYS	CA-C-N	5.12	124.78	119.56
1	6U	425	LYS	C-N-CA	5.12	124.78	119.56
1	7P	430	VAL	N-CA-C	5.12	115.42	107.28
1	8R	331	SER	N-CA-C	5.12	115.29	108.38
1	4H	314	ASN	CA-CB-CG	-5.12	107.48	112.60
1	6Q	251	ILE	N-CA-C	5.12	119.98	109.34
1	1a	263	VAL	CB-CA-C	-5.12	107.36	111.71
1	3L	36	VAL	CA-C-N	5.11	125.19	119.87
1	3L	36	VAL	C-N-CA	5.11	125.19	119.87
1	4H	435	VAL	N-CA-C	5.11	115.22	107.75
1	4N	195	PHE	CA-CB-CG	5.11	118.91	113.80
1	3c	153	PHE	CA-CB-CG	-5.11	108.69	113.80
1	6b	383	VAL	N-CA-C	5.11	116.16	109.21
1	3Q	153	PHE	CA-CB-CG	-5.11	108.69	113.80
1	4H	251	ILE	N-CA-C	5.11	116.07	108.46
1	5L	139	PHE	N-CA-C	5.11	116.06	108.60
1	1M	430	VAL	N-CA-C	5.11	115.27	108.11
1	3N	129	THR	N-CA-C	5.11	116.76	109.14
1	1A	430	VAL	N-CA-C	5.11	115.26	108.11
1	1Q	262	ASP	CA-C-N	-5.11	117.97	122.97
1	1Q	262	ASP	C-N-CA	-5.11	117.97	122.97
1	6O	425	LYS	CA-C-N	5.11	124.77	119.56
1	6O	425	LYS	C-N-CA	5.11	124.77	119.56
1	6P	195	PHE	CA-CB-CG	5.11	118.91	113.80
1	6W	351	GLN	N-CA-C	5.11	116.50	107.61
1	4Z	314	ASN	CA-CB-CG	-5.11	107.49	112.60
1	5a	401	LEU	N-CA-C	5.11	116.85	111.28
1	6a	425	LYS	CA-C-N	5.11	124.77	119.56
1	6a	425	LYS	C-N-CA	5.11	124.77	119.56
1	4B	195	PHE	CA-CB-CG	5.11	118.91	113.80
1	5J	376	THR	N-CA-C	-5.11	107.60	113.88
1	7H	332	VAL	N-CA-C	5.11	115.62	108.17

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5O	401	LEU	N-CA-C	5.11	116.85	111.28
1	4M	435	VAL	N-CA-C	5.10	115.20	107.75
1	7D	81	ASN	CA-C-N	5.10	124.76	119.56
1	7D	81	ASN	C-N-CA	5.10	124.76	119.56
1	4Y	435	VAL	N-CA-C	5.10	115.20	107.75
1	3E	153	PHE	CA-CB-CG	-5.10	108.70	113.80
1	1K	262	ASP	CA-C-N	-5.10	117.97	122.97
1	1K	262	ASP	C-N-CA	-5.10	117.97	122.97
1	5Q	195	PHE	CA-CB-CG	5.10	118.90	113.80
1	4A	435	VAL	N-CA-C	5.10	115.20	107.75
1	6K	435	VAL	N-CA-C	5.10	115.32	107.77
1	2O	314	ASN	CA-C-N	5.10	126.22	119.84
1	2O	314	ASN	C-N-CA	5.10	126.22	119.84
1	4T	435	VAL	N-CA-C	5.10	115.20	107.75
1	8X	331	SER	N-CA-C	5.10	115.26	108.38
1	8d	331	SER	N-CA-C	5.10	115.26	108.38
1	4B	251	ILE	N-CA-C	5.10	116.05	108.46
1	6E	435	VAL	N-CA-C	5.10	115.31	107.77
1	4N	251	ILE	N-CA-C	5.10	116.05	108.46
1	3W	153	PHE	CA-CB-CG	-5.10	108.70	113.80
1	3b	29	GLY	N-CA-C	-5.10	108.24	115.43
1	5c	351	GLN	N-CA-C	5.10	116.48	107.61
1	5d	139	PHE	N-CA-C	5.10	116.04	108.60
1	6c	435	VAL	N-CA-C	5.10	115.31	107.77
1	4G	435	VAL	N-CA-C	5.10	115.19	107.75
1	6Q	435	VAL	N-CA-C	5.10	115.31	107.77
1	1U	263	VAL	CB-CA-C	-5.10	107.38	111.71
1	7S	81	ASN	CA-C-N	5.10	124.76	119.56
1	7S	81	ASN	C-N-CA	5.10	124.76	119.56
1	3Z	129	THR	N-CA-C	5.10	116.73	109.14
1	3B	129	THR	N-CA-C	5.09	116.73	109.14
1	4A	269	ASN	CA-CB-CG	-5.09	107.50	112.60
1	5K	195	PHE	CA-CB-CG	5.09	118.89	113.80
1	7I	81	ASN	CA-C-N	5.09	124.76	119.56
1	7I	81	ASN	C-N-CA	5.09	124.76	119.56
1	2K	314	ASN	CA-C-N	5.09	126.21	119.84
1	2K	314	ASN	C-N-CA	5.09	126.21	119.84
1	7M	332	VAL	N-CA-C	5.09	115.61	108.17
1	3T	129	THR	N-CA-C	5.09	116.73	109.14
1	4T	251	ILE	N-CA-C	5.09	116.05	108.46
1	1Y	430	VAL	N-CA-C	5.09	115.24	108.11
1	4Z	251	ILE	N-CA-C	5.09	116.05	108.46

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	7C	332	VAL	N-CA-C	5.09	115.61	108.17
1	4Y	269	ASN	CA-CB-CG	-5.09	107.51	112.60
1	8F	331	SER	N-CA-C	5.09	115.25	108.38
1	4G	269	ASN	CA-CB-CG	-5.09	107.51	112.60
1	8H	398	GLY	N-CA-C	-5.09	107.98	114.85
1	3T	238	VAL	N-CA-C	5.09	115.30	108.17
1	7X	81	ASN	CA-C-N	5.09	124.75	119.56
1	7X	81	ASN	C-N-CA	5.09	124.75	119.56
1	8Z	398	GLY	N-CA-C	-5.09	107.98	114.85
1	2E	314	ASN	CA-C-N	5.09	126.20	119.84
1	2E	314	ASN	C-N-CA	5.09	126.20	119.84
1	4M	269	ASN	CA-CB-CG	-5.09	107.51	112.60
1	8N	398	GLY	N-CA-C	-5.09	107.98	114.85
1	8T	398	GLY	N-CA-C	-5.09	107.98	114.85
1	6C	425	LYS	CA-C-N	5.09	124.75	119.56
1	6C	425	LYS	C-N-CA	5.09	124.75	119.56
1	6O	140	TYR	CA-CB-CG	-5.09	104.74	113.90
1	5c	195	PHE	CA-CB-CG	5.09	118.89	113.80
1	6b	195	PHE	CA-CB-CG	5.09	118.89	113.80
1	1C	263	VAL	CB-CA-C	-5.08	107.39	111.71
1	1I	263	VAL	CB-CA-C	-5.08	107.39	111.71
1	2F	342	VAL	N-CA-C	5.08	115.23	108.11
1	5L	425	LYS	N-CA-C	5.08	121.04	109.81
1	7I	356	PRO	CA-N-CD	-5.08	104.88	112.00
1	5N	67	ASP	N-CA-C	5.08	118.26	111.75
1	5X	425	LYS	N-CA-C	5.08	121.05	109.81
1	6U	140	TYR	CA-CB-CG	-5.08	104.75	113.90
1	6D	195	PHE	CA-CB-CG	5.08	118.88	113.80
1	8B	398	GLY	N-CA-C	-5.08	107.99	114.85
1	3J	29	GLY	N-CA-C	-5.08	108.26	115.43
1	4T	195	PHE	CA-CB-CG	5.08	118.88	113.80
1	5W	351	GLN	N-CA-C	5.08	116.45	107.61
1	2Y	314	ASN	CA-C-N	5.08	126.19	119.84
1	2Y	314	ASN	C-N-CA	5.08	126.19	119.84
1	4c	394	THR	N-CA-C	5.08	117.46	110.35
1	3D	29	GLY	N-CA-C	-5.08	108.27	115.43
1	7D	356	PRO	CA-N-CD	-5.08	104.89	112.00
1	3K	153	PHE	CA-CB-CG	-5.08	108.72	113.80
1	9B	14	ILE	N-CA-C	5.08	114.89	107.37
1	1W	262	ASP	CA-C-N	-5.08	117.99	122.97
1	1W	262	ASP	C-N-CA	-5.08	117.99	122.97
1	6Z	263	VAL	N-CA-C	5.08	115.75	110.82

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6a	140	TYR	CA-CB-CG	-5.08	104.76	113.90
1	1E	262	ASP	CA-C-N	-5.08	118.00	122.97
1	1E	262	ASP	C-N-CA	-5.08	118.00	122.97
1	8L	331	SER	N-CA-C	5.08	115.23	108.38
1	5T	67	ASP	N-CA-C	5.08	118.25	111.75
1	2U	314	ASN	CA-C-N	5.08	126.19	119.84
1	2U	314	ASN	C-N-CA	5.08	126.19	119.84
1	7X	356	PRO	CA-N-CD	-5.08	104.89	112.00
1	5E	195	PHE	CA-CB-CG	5.08	118.88	113.80
1	6I	140	TYR	CA-CB-CG	-5.08	104.77	113.90
1	8R	36	VAL	CA-C-N	5.08	125.52	120.04
1	8R	36	VAL	C-N-CA	5.08	125.52	120.04
1	3V	29	GLY	N-CA-C	-5.08	108.27	115.43
1	7W	332	VAL	N-CA-C	5.08	115.58	108.17
1	5F	425	LYS	N-CA-C	5.07	121.02	109.81
1	6C	140	TYR	CA-CB-CG	-5.07	104.77	113.90
1	5Q	351	GLN	N-CA-C	5.07	116.44	107.61
1	1S	430	VAL	N-CA-C	5.07	115.21	108.11
1	4S	435	VAL	N-CA-C	5.07	115.16	107.75
1	6V	195	PHE	CA-CB-CG	5.07	118.87	113.80
1	1c	262	ASP	CA-C-N	-5.07	118.00	122.97
1	1c	262	ASP	C-N-CA	-5.07	118.00	122.97
1	5Z	67	ASP	N-CA-C	5.07	118.24	111.75
1	5B	67	ASP	N-CA-C	5.07	118.24	111.75
1	1O	263	VAL	CB-CA-C	-5.07	107.40	111.71
1	4Q	394	THR	N-CA-C	5.07	117.45	110.35
1	5W	195	PHE	CA-CB-CG	5.07	118.87	113.80
1	3Z	238	VAL	N-CA-C	5.07	115.27	108.17
1	9A	14	ILE	N-CA-C	5.07	114.87	107.37
1	3H	129	THR	N-CA-C	5.07	116.69	109.14
1	2P	342	VAL	N-CA-C	5.07	115.21	108.11
1	2F	314	ASN	CA-C-N	5.07	126.17	119.84
1	2F	314	ASN	C-N-CA	5.07	126.17	119.84
1	4K	394	THR	N-CA-C	5.07	117.45	110.35
1	8L	36	VAL	CA-C-N	5.07	125.51	120.04
1	8L	36	VAL	C-N-CA	5.07	125.51	120.04
1	5R	425	LYS	N-CA-C	5.07	121.01	109.81
1	7N	81	ASN	CA-C-N	5.07	124.73	119.56
1	7N	81	ASN	C-N-CA	5.07	124.73	119.56
1	2T	314	ASN	CA-C-N	5.07	126.17	119.84
1	2T	314	ASN	C-N-CA	5.07	126.17	119.84
1	6U	91	ILE	CA-C-N	5.07	126.17	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6U	91	ILE	C-N-CA	5.07	126.17	119.84
1	9E	14	ILE	N-CA-C	5.07	114.87	107.37
1	3B	238	VAL	N-CA-C	5.07	115.26	108.17
1	5E	351	GLN	N-CA-C	5.07	116.42	107.61
1	6J	195	PHE	CA-CB-CG	5.07	118.86	113.80
1	8K	154	VAL	N-CA-C	-5.07	100.59	108.95
1	2K	342	VAL	N-CA-C	5.07	115.20	108.11
1	7R	332	VAL	N-CA-C	5.07	115.57	108.17
1	9D	14	ILE	N-CA-C	5.07	114.87	107.37
1	5d	425	LYS	N-CA-C	5.07	121.01	109.81
1	2A	314	ASN	CA-C-N	5.06	126.17	119.84
1	2A	314	ASN	C-N-CA	5.06	126.17	119.84
1	3H	238	VAL	N-CA-C	5.06	115.26	108.17
1	7N	356	PRO	CA-N-CD	-5.06	104.91	112.00
1	2A	342	VAL	N-CA-C	5.06	115.19	108.11
1	5G	81	ASN	CA-C-N	5.06	126.17	119.84
1	5G	81	ASN	C-N-CA	5.06	126.17	119.84
1	5K	351	GLN	N-CA-C	5.06	116.42	107.61
1	6I	425	LYS	CA-C-N	5.06	124.72	119.56
1	6I	425	LYS	C-N-CA	5.06	124.72	119.56
1	3N	238	VAL	N-CA-C	5.06	115.25	108.17
1	1T	195	PHE	CA-CB-CG	5.06	118.86	113.80
1	4S	269	ASN	CA-CB-CG	-5.06	107.54	112.60
1	4E	394	THR	N-CA-C	5.06	117.43	110.35
1	5H	232	ASP	N-CA-C	5.06	119.14	112.92
1	9C	14	ILE	N-CA-C	5.06	114.86	107.37
1	5Z	232	ASP	N-CA-C	5.06	119.14	112.92
1	8F	36	VAL	CA-C-N	5.06	125.50	120.04
1	8F	36	VAL	C-N-CA	5.06	125.50	120.04
1	8Q	154	VAL	N-CA-C	-5.06	100.61	108.95
1	2P	314	ASN	CA-C-N	5.06	126.16	119.84
1	2P	314	ASN	C-N-CA	5.06	126.16	119.84
1	8c	154	VAL	N-CA-C	-5.06	100.61	108.95
1	8E	154	VAL	N-CA-C	-5.06	100.61	108.95
1	4W	394	THR	N-CA-C	5.06	117.43	110.35
1	7S	356	PRO	CA-N-CD	-5.06	104.92	112.00
1	4H	195	PHE	CA-CB-CG	5.05	118.85	113.80
1	3P	29	GLY	N-CA-C	-5.05	108.30	115.43
1	4P	302	VAL	N-CA-C	5.05	115.13	107.75
1	1B	195	PHE	CA-CB-CG	5.05	118.85	113.80
1	8O	435	VAL	N-CA-C	5.05	115.13	107.75
1	1Z	195	PHE	CA-CB-CG	5.05	118.85	113.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	5H	67	ASP	N-CA-C	5.05	118.21	111.75
1	5b	332	VAL	N-CA-C	5.05	115.18	108.11
1	6L	401	LEU	N-CA-C	5.05	116.47	111.07
1	8d	36	VAL	CA-C-N	5.05	125.49	120.04
1	8d	36	VAL	C-N-CA	5.05	125.49	120.04
1	8W	154	VAL	N-CA-C	-5.04	100.63	108.95
1	6F	401	LEU	N-CA-C	5.04	116.47	111.07
1	5N	232	ASP	N-CA-C	5.04	119.12	112.92
1	6R	401	LEU	N-CA-C	5.04	116.47	111.07
1	5S	81	ASN	CA-C-N	5.04	126.14	119.84
1	5S	81	ASN	C-N-CA	5.04	126.14	119.84
1	4G	140	TYR	CA-CB-CG	-5.04	104.83	113.90
1	6H	263	VAL	N-CA-C	5.04	115.71	110.82
1	6I	91	ILE	CA-C-N	5.04	126.14	119.84
1	6I	91	ILE	C-N-CA	5.04	126.14	119.84
1	6N	263	VAL	N-CA-C	5.04	115.71	110.82
1	2U	342	VAL	N-CA-C	5.04	115.17	108.11
1	5Y	81	ASN	CA-C-N	5.04	126.14	119.84
1	5Y	81	ASN	C-N-CA	5.04	126.14	119.84
1	8U	435	VAL	N-CA-C	5.04	115.11	107.75
1	5B	232	ASP	N-CA-C	5.04	119.12	112.92
1	8C	435	VAL	N-CA-C	5.04	115.11	107.75
1	1N	195	PHE	CA-CB-CG	5.04	118.84	113.80
1	6d	401	LEU	N-CA-C	5.04	116.46	111.07
1	5D	332	VAL	N-CA-C	5.04	115.16	108.11
1	6C	91	ILE	CA-C-N	5.04	126.14	119.84
1	6C	91	ILE	C-N-CA	5.04	126.14	119.84
1	3B	420	ILE	N-CA-C	5.03	115.28	107.28
1	3H	420	ILE	N-CA-C	5.03	115.28	107.28
2	2w	58	TYR	CA-C-N	5.03	126.13	119.84
2	2w	58	TYR	C-N-CA	5.03	126.13	119.84
1	4V	302	VAL	N-CA-C	5.03	115.10	107.75
1	1V	381	HIS	CA-CB-CG	-5.03	108.77	113.80
1	5T	232	ASP	N-CA-C	5.03	119.11	112.92
1	1E	203	PRO	CA-C-N	-5.03	111.93	121.54
1	1E	203	PRO	C-N-CA	-5.03	111.93	121.54
1	6B	263	VAL	N-CA-C	5.03	115.70	110.82
1	2T	357	ASN	N-CA-C	-5.03	106.92	113.16
1	8V	118	LYS	N-CA-C	5.03	118.30	112.97
1	4A	140	TYR	CA-CB-CG	-5.03	104.85	113.90
1	1H	195	PHE	CA-CB-CG	5.03	118.83	113.80
1	1K	203	PRO	CA-C-N	-5.03	111.94	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	1K	203	PRO	C-N-CA	-5.03	111.94	121.54
1	4J	342	VAL	N-CA-C	5.03	115.15	108.11
1	1P	381	HIS	CA-CB-CG	-5.03	108.77	113.80
1	1a	332	VAL	N-CA-C	5.03	115.15	108.11
1	4Y	140	TYR	CA-CB-CG	-5.03	104.85	113.90
2	2x	58	TYR	CA-C-N	5.03	126.12	119.84
2	2x	58	TYR	C-N-CA	5.03	126.12	119.84
1	5A	81	ASN	CA-C-N	5.03	126.12	119.84
1	5A	81	ASN	C-N-CA	5.03	126.12	119.84
1	5P	332	VAL	N-CA-C	5.03	115.14	108.11
1	6L	96	THR	N-CA-C	5.02	117.59	109.40
1	4D	342	VAL	N-CA-C	5.02	115.14	108.11
1	2J	195	PHE	CA-CB-CG	5.02	118.82	113.80
1	8J	118	LYS	N-CA-C	5.02	118.29	112.97
1	2O	430	VAL	N-CA-C	5.02	115.35	108.12
1	4M	140	TYR	CA-CB-CG	-5.02	104.86	113.90
1	5M	81	ASN	CA-C-N	5.02	126.12	119.84
1	5M	81	ASN	C-N-CA	5.02	126.12	119.84
1	6Q	430	VAL	N-CA-C	5.02	115.08	107.75
1	4S	140	TYR	CA-CB-CG	-5.02	104.86	113.90
1	5V	332	VAL	N-CA-C	5.02	115.14	108.11
1	6T	263	VAL	N-CA-C	5.02	115.69	110.82
1	6X	401	LEU	N-CA-C	5.02	116.44	111.07
1	4b	302	VAL	N-CA-C	5.02	115.08	107.75
2	2q	58	TYR	CA-C-N	5.02	126.12	119.84
2	2q	58	TYR	C-N-CA	5.02	126.12	119.84
1	1J	381	HIS	CA-CB-CG	-5.02	108.78	113.80
1	1Q	203	PRO	CA-C-N	-5.02	111.95	121.54
1	1Q	203	PRO	C-N-CA	-5.02	111.95	121.54
1	3T	420	ILE	N-CA-C	5.02	115.26	107.28
1	4b	342	VAL	N-CA-C	5.02	115.14	108.11
1	1D	381	HIS	CA-CB-CG	-5.02	108.78	113.80
1	2E	430	VAL	N-CA-C	5.02	115.35	108.12
1	4D	302	VAL	N-CA-C	5.02	115.08	107.75
1	2J	430	VAL	N-CA-C	5.02	115.35	108.12
1	6O	91	ILE	CA-C-N	5.02	126.11	119.84
1	6O	91	ILE	C-N-CA	5.02	126.11	119.84
1	1c	203	PRO	CA-C-N	-5.02	111.95	121.54
1	1c	203	PRO	C-N-CA	-5.02	111.95	121.54
1	4c	339	VAL	N-CA-C	5.02	115.14	108.11
1	2O	195	PHE	CA-CB-CG	5.02	118.82	113.80
1	4Q	339	VAL	N-CA-C	5.02	115.13	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	2T	430	VAL	N-CA-C	5.02	115.34	108.12
2	2i	58	TYR	CA-C-N	5.02	126.11	119.84
2	2i	58	TYR	C-N-CA	5.02	126.11	119.84
1	6F	96	THR	N-CA-C	5.02	117.58	109.40
1	6J	435	VAL	N-CA-C	5.02	115.26	107.28
1	8P	201	ASP	N-CA-C	-5.02	102.86	110.28
1	4J	302	VAL	N-CA-C	5.01	115.07	107.75
1	5J	332	VAL	N-CA-C	5.01	115.13	108.11
1	6K	430	VAL	N-CA-C	5.01	115.07	107.75
1	8X	36	VAL	CA-C-N	5.01	125.46	120.04
1	8X	36	VAL	C-N-CA	5.01	125.46	120.04
1	3Z	420	ILE	N-CA-C	5.01	115.25	107.28
1	6a	91	ILE	CA-C-N	5.01	126.11	119.84
1	6a	91	ILE	C-N-CA	5.01	126.11	119.84
1	8a	435	VAL	N-CA-C	5.01	115.07	107.75
2	2m	58	TYR	CA-C-N	5.01	126.11	119.84
2	2m	58	TYR	C-N-CA	5.01	126.11	119.84
1	8P	118	LYS	N-CA-C	5.01	118.28	112.97
1	8D	118	LYS	N-CA-C	5.01	118.28	112.97
1	3N	420	ILE	N-CA-C	5.01	115.25	107.28
2	7g	58	TYR	CA-C-N	5.01	126.10	119.84
2	7g	58	TYR	C-N-CA	5.01	126.10	119.84
1	3M	425	LYS	CA-C-N	5.01	124.67	119.56
1	3M	425	LYS	C-N-CA	5.01	124.67	119.56
1	1U	332	VAL	N-CA-C	5.01	115.12	108.11
1	4K	339	VAL	N-CA-C	5.01	115.12	108.11
1	8J	201	ASP	N-CA-C	-5.01	102.87	110.28
1	1b	381	HIS	CA-CB-CG	-5.01	108.79	113.80
1	2Y	430	VAL	N-CA-C	5.01	115.33	108.12
2	7s	58	TYR	CA-C-N	5.01	126.10	119.84
2	7s	58	TYR	C-N-CA	5.01	126.10	119.84
2	7v	58	TYR	CA-C-N	5.01	126.10	119.84
2	7v	58	TYR	C-N-CA	5.01	126.10	119.84
1	8V	201	ASP	N-CA-C	-5.00	102.87	110.28
1	2J	357	ASN	N-CA-C	-5.00	106.95	113.16
1	5N	36	VAL	CA-C-N	5.00	125.08	119.87
1	5N	36	VAL	C-N-CA	5.00	125.08	119.87
1	1W	203	PRO	CA-C-N	-5.00	111.98	121.54
1	1W	203	PRO	C-N-CA	-5.00	111.98	121.54
1	4W	339	VAL	N-CA-C	5.00	115.12	108.11
1	7P	339	VAL	N-CA-C	5.00	115.11	108.11
1	8b	118	LYS	N-CA-C	5.00	118.27	112.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	2h	58	TYR	CA-C-N	5.00	126.09	119.84
2	2h	58	TYR	C-N-CA	5.00	126.09	119.84
1	2E	195	PHE	CA-CB-CG	5.00	118.80	113.80
1	4E	431	GLY	N-CA-C	-5.00	105.92	112.82
1	6R	96	THR	N-CA-C	5.00	117.55	109.40
1	6V	435	VAL	N-CA-C	5.00	115.23	107.28
1	6X	96	THR	N-CA-C	5.00	117.55	109.40
1	2Y	357	ASN	N-CA-C	-5.00	106.96	113.16
1	6c	430	VAL	N-CA-C	5.00	115.05	107.75

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in 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	1A	3397	0	3342	46	0
1	1B	3487	0	3434	32	0
1	1C	3487	0	3434	60	0
1	1D	3487	0	3434	54	0
1	1E	3426	0	3381	60	0
1	1F	3449	0	3400	46	0
1	1G	3397	0	3342	49	0
1	1H	3487	0	3434	35	0
1	1I	3487	0	3434	63	0
1	1J	3487	0	3434	45	0
1	1K	3426	0	3381	60	0
1	1L	3449	0	3400	45	0
1	1M	3397	0	3342	54	0
1	1N	3487	0	3434	38	0
1	1O	3487	0	3434	63	0
1	1P	3487	0	3434	52	0
1	1Q	3426	0	3381	57	0
1	1R	3449	0	3400	46	0
1	1S	3397	0	3342	59	0
1	1T	3487	0	3434	39	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1U	3487	0	3434	74	0
1	1V	3487	0	3434	63	0
1	1W	3426	0	3381	62	0
1	1X	3449	0	3400	49	0
1	1Y	3397	0	3342	47	0
1	1Z	3487	0	3434	38	0
1	1a	3487	0	3434	71	0
1	1b	3487	0	3434	62	0
1	1c	3426	0	3381	60	0
1	1d	3449	0	3400	47	0
1	2A	3430	0	3378	35	0
1	2B	3487	0	3433	56	0
1	2C	3487	0	3432	33	0
1	2D	3487	0	3433	23	0
1	2E	3487	0	3433	49	0
1	2F	3430	0	3378	35	0
1	2G	3487	0	3433	53	0
1	2H	3487	0	3433	39	0
1	2I	3487	0	3433	27	0
1	2J	3487	0	3434	44	0
1	2K	3430	0	3378	35	0
1	2L	3487	0	3433	59	0
1	2M	3487	0	3431	52	0
1	2N	3487	0	3434	25	0
1	2O	3487	0	3433	48	0
1	2P	3430	0	3378	40	0
1	2Q	3487	0	3433	68	0
1	2R	3487	0	3431	63	0
1	2S	3487	0	3434	28	0
1	2T	3487	0	3433	49	0
1	2U	3430	0	3378	34	0
1	2V	3487	0	3432	53	0
1	2W	3487	0	3431	48	0
1	2X	3487	0	3433	26	0
1	2Y	3487	0	3433	51	0
1	3A	3426	0	3381	31	0
1	3B	3426	0	3381	29	0
1	3C	3487	0	3434	103	0
1	3D	3487	0	3434	31	0
1	3E	3487	0	3434	32	0
1	3F	3487	0	3434	35	0
1	3G	3426	0	3381	33	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	3H	3426	0	3381	31	0
1	3I	3487	0	3434	111	0
1	3J	3487	0	3434	35	0
1	3K	3487	0	3434	30	0
1	3L	3487	0	3434	41	0
1	3M	3426	0	3381	35	0
1	3N	3426	0	3381	33	0
1	3O	3487	0	3434	109	0
1	3P	3487	0	3434	36	0
1	3Q	3487	0	3434	32	0
1	3R	3487	0	3434	43	0
1	3S	3426	0	3381	34	0
1	3T	3426	0	3381	32	0
1	3U	3487	0	3434	97	0
1	3V	3487	0	3434	38	0
1	3W	3487	0	3434	36	0
1	3X	3487	0	3434	44	0
1	3Y	3426	0	3381	34	0
1	3Z	3426	0	3381	32	0
1	3a	3487	0	3434	91	0
1	3b	3487	0	3434	38	0
1	3c	3487	0	3434	35	0
1	3d	3487	0	3434	35	0
1	4A	3426	0	3381	34	0
1	4B	3426	0	3381	46	0
1	4C	3426	0	3381	28	0
1	4D	3426	0	3381	24	0
1	4E	3487	0	3434	59	0
1	4F	3487	0	3434	66	0
1	4G	3426	0	3381	36	0
1	4H	3426	0	3381	49	0
1	4I	3426	0	3381	25	0
1	4J	3426	0	3381	24	0
1	4K	3487	0	3434	56	0
1	4L	3487	0	3434	65	0
1	4M	3426	0	3381	36	0
1	4N	3426	0	3381	50	0
1	4O	3426	0	3381	28	0
1	4P	3426	0	3381	23	0
1	4Q	3487	0	3434	56	0
1	4R	3487	0	3434	60	0
1	4S	3426	0	3381	35	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	4T	3426	0	3381	51	0
1	4U	3426	0	3381	28	0
1	4V	3426	0	3381	26	0
1	4W	3487	0	3434	62	0
1	4X	3487	0	3434	59	0
1	4Y	3426	0	3381	37	0
1	4Z	3426	0	3381	49	0
1	4a	3426	0	3381	27	0
1	4b	3426	0	3381	23	0
1	4c	3487	0	3434	59	0
1	4d	3487	0	3434	71	0
1	5A	3426	0	3381	30	0
1	5B	3426	0	3381	41	0
1	5C	3426	0	3381	29	0
1	5D	3426	0	3381	29	0
1	5E	3487	0	3434	65	0
1	5F	3487	0	3434	86	0
1	5G	3426	0	3381	31	0
1	5H	3426	0	3381	42	0
1	5I	3426	0	3381	30	0
1	5J	3426	0	3381	27	0
1	5K	3487	0	3434	60	0
1	5L	3487	0	3434	94	0
1	5M	3426	0	3381	30	0
1	5N	3426	0	3381	42	0
1	5O	3426	0	3381	30	0
1	5P	3426	0	3381	29	0
1	5Q	3487	0	3434	71	0
1	5R	3487	0	3434	93	0
1	5S	3426	0	3381	29	0
1	5T	3426	0	3381	44	0
1	5U	3426	0	3381	29	0
1	5V	3426	0	3381	28	0
1	5W	3487	0	3434	77	0
1	5X	3487	0	3434	83	0
1	5Y	3426	0	3381	27	0
1	5Z	3426	0	3381	42	0
1	5a	3426	0	3381	29	0
1	5b	3426	0	3381	27	0
1	5c	3487	0	3434	64	0
1	5d	3487	0	3434	90	0
1	6A	3487	0	3434	56	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	6B	3487	0	3434	39	0
1	6C	3426	0	3381	24	0
1	6D	3426	0	3381	32	0
1	6E	3487	0	3434	47	0
1	6F	3487	0	3432	42	0
1	6G	3487	0	3434	47	0
1	6H	3487	0	3434	36	0
1	6I	3426	0	3381	24	0
1	6J	3426	0	3381	33	0
1	6K	3487	0	3434	45	0
1	6L	3487	0	3433	51	0
1	6M	3487	0	3434	44	0
1	6N	3487	0	3434	41	0
1	6O	3426	0	3381	24	0
1	6P	3426	0	3381	34	0
1	6Q	3487	0	3434	52	0
1	6R	3487	0	3434	62	0
1	6S	3487	0	3434	44	0
1	6T	3487	0	3434	56	0
1	6U	3426	0	3381	25	0
1	6V	3426	0	3381	34	0
1	6W	3487	0	3434	62	0
1	6X	3487	0	3434	65	0
1	6Y	3487	0	3434	54	0
1	6Z	3487	0	3434	63	0
1	6a	3426	0	3381	24	0
1	6b	3426	0	3381	31	0
1	6c	3487	0	3434	57	0
1	6d	3487	0	3432	44	0
1	7A	3487	0	3433	49	0
1	7B	3487	0	3432	44	0
1	7C	3487	0	3433	80	0
1	7D	3487	0	3434	54	0
1	7E	3487	0	3434	47	0
1	7F	3487	0	3433	37	0
1	7G	3487	0	3433	50	0
1	7H	3487	0	3434	62	0
1	7I	3487	0	3434	38	0
1	7J	3487	0	3433	43	0
1	7K	3487	0	3433	58	0
1	7L	3487	0	3434	56	0
1	7M	3487	0	3434	59	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	7N	3487	0	3434	45	0
1	7O	3487	0	3434	50	0
1	7P	3487	0	3434	66	0
1	7Q	3487	0	3433	37	0
1	7R	3487	0	3433	71	0
1	7S	3487	0	3434	67	0
1	7T	3487	0	3433	57	0
1	7U	3487	0	3434	56	0
1	7V	3487	0	3431	44	0
1	7W	3487	0	3433	76	0
1	7X	3487	0	3434	70	0
1	7Y	3487	0	3434	45	0
1	8A	3487	0	3434	79	0
1	8B	3487	0	3434	47	0
1	8C	3487	0	3434	41	0
1	8D	3487	0	3434	48	0
1	8E	3487	0	3434	43	0
1	8F	3487	0	3434	53	0
1	8G	3487	0	3434	62	0
1	8H	3487	0	3434	50	0
1	8I	3487	0	3434	41	0
1	8J	3487	0	3434	40	0
1	8K	3487	0	3434	34	0
1	8L	3487	0	3434	80	0
1	8M	3487	0	3434	50	0
1	8N	3487	0	3434	32	0
1	8O	3487	0	3434	40	0
1	8P	3487	0	3434	39	0
1	8Q	3487	0	3434	34	0
1	8R	3487	0	3434	79	0
1	8S	3487	0	3434	54	0
1	8T	3487	0	3434	30	0
1	8U	3487	0	3434	33	0
1	8V	3487	0	3434	59	0
1	8W	3487	0	3434	50	0
1	8X	3487	0	3434	75	0
1	8Y	3487	0	3434	72	0
1	8Z	3487	0	3434	46	0
1	8a	3487	0	3434	36	0
1	8b	3487	0	3433	56	0
1	8c	3487	0	3434	39	0
1	8d	3487	0	3434	55	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	9A	3487	0	3433	32	0
1	9B	3487	0	3433	28	0
1	9C	3487	0	3433	58	0
1	9D	3487	0	3433	89	0
1	9E	3487	0	3433	52	0
2	1e	2106	0	2162	280	0
2	1f	2098	0	2154	217	0
2	1g	2106	0	2160	495	0
2	1h	2098	0	2153	346	0
2	1i	2106	0	2162	282	0
2	1j	2098	0	2154	218	0
2	1k	2106	0	2160	499	0
2	1l	2098	0	2153	339	0
2	1m	2106	0	2160	288	0
2	1n	2098	0	2154	220	0
2	1o	2106	0	2160	494	0
2	1p	2098	0	2153	341	0
2	1q	2106	0	2161	291	0
2	1r	2098	0	2154	224	0
2	1s	2106	0	2160	506	0
2	1t	2098	0	2153	351	0
2	1u	2106	0	2161	280	0
2	1v	2098	0	2154	219	0
2	1w	2106	0	2160	508	0
2	1x	2098	0	2153	356	0
2	2Z	2106	0	2161	411	0
2	2a	2106	0	2162	337	0
2	2b	2106	0	2162	348	0
2	2c	2106	0	2159	307	0
2	2d	2106	0	2162	345	0
2	2e	2106	0	2161	406	0
2	2f	2106	0	2161	337	0
2	2g	2106	0	2162	356	0
2	2h	2106	0	2159	309	0
2	2i	2106	0	2162	347	0
2	2j	2106	0	2159	405	0
2	2k	2106	0	2162	352	0
2	2l	2106	0	2162	359	0
2	2m	2106	0	2159	307	0
2	2n	2106	0	2162	348	0
2	2o	2106	0	2159	410	0
2	2p	2106	0	2162	362	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	2q	2106	0	2162	367	0
2	2r	2106	0	2159	308	0
2	2s	2106	0	2162	346	0
2	2t	2106	0	2159	405	0
2	2u	2106	0	2162	348	0
2	2v	2106	0	2162	347	0
2	2w	2106	0	2159	304	0
2	2x	2106	0	2162	346	0
2	3e	2098	0	2153	406	0
2	3f	2106	0	2162	401	0
2	3g	2098	0	2152	650	0
2	3h	2106	0	2160	377	0
2	3i	2098	0	2153	415	0
2	3j	2106	0	2162	396	0
2	3k	2098	0	2152	659	0
2	3l	2106	0	2160	387	0
2	3m	2098	0	2153	419	0
2	3n	2106	0	2162	403	0
2	3o	2098	0	2152	652	0
2	3p	2106	0	2160	385	0
2	3q	2098	0	2153	421	0
2	3r	2106	0	2162	407	0
2	3s	2098	0	2152	657	0
2	3t	2106	0	2160	369	0
2	3u	2098	0	2153	406	0
2	3v	2106	0	2162	399	0
2	3w	2098	0	2152	659	0
2	3x	2106	0	2160	366	0
2	4e	2106	0	2163	243	0
2	4f	2098	0	2154	181	0
2	4g	2106	0	2163	242	0
2	4h	2098	0	2154	182	0
2	4i	2106	0	2163	241	0
2	4j	2098	0	2154	179	0
2	4k	2106	0	2163	250	0
2	4l	2098	0	2154	177	0
2	4m	2106	0	2163	245	0
2	4n	2098	0	2154	187	0
2	5e	2106	0	2163	324	0
2	5f	2098	0	2154	254	0
2	5g	2106	0	2163	322	0
2	5h	2098	0	2154	264	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	5i	2106	0	2162	330	0
2	5j	2098	0	2154	275	0
2	5k	2106	0	2161	342	0
2	5l	2098	0	2154	273	0
2	5m	2106	0	2162	327	0
2	5n	2098	0	2154	264	0
2	6e	2098	0	2151	332	0
2	6f	2106	0	2162	340	0
2	6g	2098	0	2152	499	0
2	6h	2106	0	2163	200	0
2	6i	2098	0	2151	338	0
2	6j	2106	0	2162	341	0
2	6k	2098	0	2152	494	0
2	6l	2106	0	2163	190	0
2	6m	2098	0	2153	354	0
2	6n	2106	0	2161	348	0
2	6o	2098	0	2152	506	0
2	6p	2106	0	2163	190	0
2	6q	2098	0	2153	370	0
2	6r	2106	0	2162	353	0
2	6s	2098	0	2152	531	0
2	6t	2106	0	2163	186	0
2	6u	2098	0	2151	333	0
2	6v	2106	0	2162	342	0
2	6w	2098	0	2152	527	0
2	6x	2106	0	2163	201	0
2	7Z	2106	0	2162	382	0
2	7a	2106	0	2163	246	0
2	7b	2106	0	2162	150	0
2	7c	2106	0	2162	373	0
2	7d	2106	0	2162	193	0
2	7e	2106	0	2162	374	0
2	7f	2106	0	2161	234	0
2	7g	2106	0	2162	157	0
2	7h	2106	0	2162	366	0
2	7i	2106	0	2162	178	0
2	7j	2106	0	2162	376	0
2	7k	2106	0	2162	240	0
2	7l	2106	0	2162	154	0
2	7m	2106	0	2162	360	0
2	7n	2106	0	2162	190	0
2	7o	2106	0	2162	395	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	7p	2106	0	2162	255	0
2	7q	2106	0	2162	139	0
2	7r	2106	0	2162	368	0
2	7s	2106	0	2163	193	0
2	7t	2106	0	2162	387	0
2	7u	2106	0	2163	256	0
2	7v	2106	0	2162	149	0
2	7w	2106	0	2162	373	0
2	7x	2106	0	2162	193	0
2	8e	2098	0	2147	671	0
2	8f	2106	0	2163	162	0
2	8g	2106	0	2162	452	0
2	8h	2098	0	2154	206	0
2	8i	2106	0	2160	364	0
2	8j	2098	0	2152	374	0
2	8k	2098	0	2148	653	0
2	8l	2106	0	2163	164	0
2	8m	2106	0	2162	475	0
2	8n	2098	0	2154	190	0
2	8o	2106	0	2161	351	0
2	8p	2098	0	2152	377	0
2	8q	2098	0	2149	643	0
2	8r	2106	0	2163	148	0
2	8s	2106	0	2159	482	0
2	8t	2098	0	2154	182	0
2	8u	2106	0	2160	357	0
2	8v	2098	0	2152	381	0
2	8w	2098	0	2149	657	0
2	8x	2106	0	2163	143	0
2	8y	2106	0	2159	473	0
2	8z	2098	0	2154	201	0
2	9F	2106	0	2160	750	0
2	9G	2106	0	2160	748	0
2	9H	2106	0	2160	774	0
2	9I	2106	0	2160	816	0
2	9J	2106	0	2160	774	0
2	9K	2106	0	2160	376	0
2	9L	2098	0	2152	377	0
2	9M	2098	0	2148	675	0
2	9N	2106	0	2163	158	0
2	9O	2106	0	2162	451	0
2	9P	2098	0	2154	203	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	9Q	2106	0	2160	369	0
2	9R	2098	0	2152	378	0
All	All	1161605	0	1158735	41996	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 18.

All (41996) 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)
1:4d:448:ALA:HB2	2:4n:41:TYR:CD1	1.22	1.69
2:9K:120:ILE:CD1	2:7v:120:ILE:HD13	1.22	1.69
2:2i:120:ILE:HD13	2:1o:120:ILE:CD1	1.20	1.67
1:7D:446:ALA:HB1	2:7Z:41:TYR:CE2	1.17	1.66
1:7C:446:ALA:HB1	2:7a:41:TYR:CE2	1.17	1.65
2:8o:120:ILE:CD1	2:7l:120:ILE:HD13	1.22	1.65
2:1o:267:ASN:HD21	2:3o:254:SER:CA	1.09	1.64
2:8s:266:LEU:HD23	2:8w:254:SER:CB	1.17	1.64
2:8w:278:ILE:CG2	2:9l:278:ILE:HD13	1.19	1.64
2:3h:212:GLY:CA	2:2w:203:ASN:HD22	1.10	1.64
2:5i:263:VAL:CG2	2:6o:256:ALA:HB3	1.27	1.64
2:1s:266:LEU:CD1	2:3s:266:LEU:HA	1.22	1.64
2:1w:267:ASN:HD21	2:3w:254:SER:CA	1.09	1.64
2:1f:247:LYS:CB	2:3f:239:THR:HA	1.21	1.64
2:8k:232:TYR:CB	2:9G:232:TYR:HB3	1.28	1.64
2:1i:200:LEU:HD11	2:2e:200:LEU:CD2	1.23	1.63
2:2c:203:ASN:HD22	2:3l:212:GLY:CA	1.10	1.63
2:9M:278:ILE:CG2	2:9J:278:ILE:HD13	1.19	1.63
1:7D:446:ALA:CB	2:7Z:41:TYR:HE2	0.98	1.62
2:8i:120:ILE:CD1	2:7g:120:ILE:HD13	1.22	1.62
1:4L:448:ALA:HB2	2:4h:41:TYR:CD1	1.27	1.62
2:2d:120:ILE:HD13	2:1k:120:ILE:CD1	1.19	1.62
2:8m:266:LEU:HD23	2:8q:254:SER:CB	1.17	1.62
2:7r:251:VAL:CG1	2:9L:279:ILE:HD12	1.15	1.62
2:1w:263:VAL:HG21	2:3w:256:ALA:CB	1.23	1.62
2:1w:266:LEU:CD1	2:3w:266:LEU:HA	1.22	1.62
2:6p:120:ILE:HD11	2:7m:120:ILE:CD1	1.24	1.62
2:2n:120:ILE:HD13	2:1s:120:ILE:CD1	1.19	1.61
2:7h:251:VAL:CG1	2:8p:279:ILE:HD12	1.15	1.61
2:6m:251:VAL:HG13	2:8u:279:ILE:CD1	1.23	1.61
2:1g:263:VAL:CG2	2:3g:256:ALA:HB3	1.31	1.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:263:VAL:CG2	2:3o:256:ALA:HB3	1.31	1.61
2:5k:263:VAL:CG2	2:6s:256:ALA:HB3	1.27	1.61
2:2r:203:ASN:HD22	2:3x:212:GLY:CA	1.09	1.61
2:8q:278:ILE:HG22	2:9H:278:ILE:CD1	1.28	1.60
1:6L:447:GLN:HA	2:6i:56:ASN:CB	1.20	1.60
1:3b:443:SER:CA	2:3w:56:ASN:HD21	1.04	1.60
2:6e:251:VAL:HG13	2:8i:279:ILE:CD1	1.23	1.60
2:1o:263:VAL:HG21	2:3o:256:ALA:CB	1.23	1.60
2:1v:247:LYS:CB	2:3v:239:THR:HA	1.21	1.60
2:4f:247:LYS:HD3	2:3l:239:THR:CA	1.30	1.60
2:8q:232:TYR:CB	2:9H:232:TYR:HB3	1.28	1.60
2:4f:247:LYS:CD	2:3l:239:THR:HA	1.30	1.60
2:1k:263:VAL:HG21	2:3k:256:ALA:CB	1.23	1.60
2:1g:267:ASN:HD21	2:3g:254:SER:CA	1.09	1.59
2:1j:247:LYS:CB	2:3j:239:THR:HA	1.21	1.59
2:5g:263:VAL:CG2	2:6k:256:ALA:HB3	1.27	1.59
2:8k:278:ILE:HG22	2:9G:278:ILE:CD1	1.28	1.59
2:8k:278:ILE:CG2	2:9G:278:ILE:HD13	1.19	1.59
2:1s:267:ASN:HD21	2:3s:254:SER:CA	1.09	1.59
2:8y:266:LEU:HD23	2:9M:254:SER:CB	1.17	1.59
2:1w:278:ILE:HG23	2:3w:278:ILE:CD1	1.27	1.59
2:7w:251:VAL:CG1	2:9R:279:ILE:HD12	1.15	1.59
2:1k:278:ILE:CG2	2:3k:278:ILE:HD13	1.28	1.59
2:7b:120:ILE:HD13	2:9Q:120:ILE:CD1	1.22	1.59
2:6u:256:ALA:HB3	2:9Q:263:VAL:CG2	1.31	1.59
1:2P:28:GLN:HE21	2:1x:27:ILE:CD1	1.06	1.59
2:2c:206:VAL:CG2	2:3l:209:LEU:HG	1.33	1.59
2:1k:278:ILE:HG23	2:3k:278:ILE:CD1	1.27	1.59
2:8t:242:LEU:HD22	2:7s:244:GLY:C	1.18	1.59
2:8u:120:ILE:CD1	2:7q:120:ILE:HD13	1.22	1.59
2:8z:242:LEU:HD22	2:7x:244:GLY:C	1.18	1.59
2:1g:263:VAL:HG21	2:3g:256:ALA:CB	1.23	1.58
2:2m:206:VAL:CG2	2:3t:209:LEU:HG	1.33	1.58
2:9M:232:TYR:CB	2:9J:232:TYR:HB3	1.28	1.58
2:2h:206:VAL:CG2	2:3p:209:LEU:HG	1.33	1.58
2:2p:239:THR:CG2	2:3r:247:LYS:C	1.76	1.58
2:4l:247:LYS:HD3	2:3x:239:THR:CA	1.30	1.58
2:6e:256:ALA:HB3	2:8i:263:VAL:CG2	1.31	1.58
2:6h:120:ILE:CD1	2:7c:120:ILE:HD13	1.10	1.58
2:7c:251:VAL:CG1	2:8j:279:ILE:HD12	1.15	1.58
2:8w:232:TYR:CB	2:9I:232:TYR:HB3	1.28	1.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:239:THR:CA	2:4n:247:LYS:HD3	1.31	1.58
2:2h:203:ASN:HD22	2:3p:212:GLY:CA	1.09	1.58
2:1o:278:ILE:HG23	2:3o:278:ILE:CD1	1.27	1.58
2:1g:266:LEU:CD1	2:3g:266:LEU:HA	1.22	1.58
2:4h:247:LYS:HD3	2:3p:239:THR:CA	1.30	1.58
2:1w:278:ILE:CG2	2:3w:278:ILE:HD13	1.27	1.58
2:1g:120:ILE:CD1	2:2x:120:ILE:HD13	1.19	1.57
2:1g:278:ILE:HG23	2:3g:278:ILE:CD1	1.27	1.57
2:3h:209:LEU:HG	2:2w:206:VAL:CG2	1.33	1.57
2:6k:242:LEU:HD13	2:7e:235:PRO:C	1.26	1.57
2:1s:263:VAL:HG21	2:3s:256:ALA:CB	1.23	1.57
2:8w:278:ILE:HG22	2:9I:278:ILE:CD1	1.28	1.57
2:1o:266:LEU:CD1	2:3o:266:LEU:HA	1.22	1.57
2:1s:270:ILE:CG2	2:3s:251:VAL:HG22	1.11	1.57
2:2r:206:VAL:CG2	2:3x:209:LEU:HG	1.33	1.57
2:6t:120:ILE:CD1	2:7r:120:ILE:HD13	1.10	1.57
2:6u:251:VAL:HG13	2:9Q:279:ILE:CD1	1.23	1.57
2:8e:278:ILE:HG21	2:9F:278:ILE:CG2	1.33	1.57
2:6o:242:LEU:HD13	2:7j:235:PRO:C	1.26	1.57
2:1g:278:ILE:CG2	2:3g:278:ILE:HD13	1.27	1.57
2:3h:239:THR:HA	2:4n:247:LYS:CD	1.30	1.57
2:1k:266:LEU:HD21	2:3k:265:ASP:C	1.23	1.57
2:2k:239:THR:CG2	2:3n:247:LYS:C	1.76	1.57
2:8q:278:ILE:CG2	2:9H:278:ILE:HD13	1.19	1.57
2:5m:279:ILE:HD12	2:6w:251:VAL:CG1	1.11	1.57
2:4h:247:LYS:CD	2:3p:239:THR:HA	1.30	1.57
2:1e:200:LEU:HD11	2:2Z:200:LEU:CD2	1.23	1.56
2:6h:120:ILE:HD11	2:7c:120:ILE:CD1	1.23	1.56
2:8e:278:ILE:HG22	2:9F:278:ILE:CD1	1.28	1.56
2:6i:251:VAL:HG13	2:8o:279:ILE:CD1	1.23	1.56
2:1s:266:LEU:HD21	2:3s:265:ASP:C	1.23	1.56
2:1s:278:ILE:HG23	2:3s:278:ILE:CD1	1.27	1.56
2:2s:120:ILE:HD13	2:1w:120:ILE:CD1	1.19	1.56
2:9M:278:ILE:HG22	2:9J:278:ILE:CD1	1.28	1.56
1:1H:448:ALA:CB	2:1j:41:TYR:CD1	1.83	1.56
2:8h:242:LEU:HD22	2:7i:244:GLY:C	1.18	1.56
2:6q:257:THR:C	2:9K:259:VAL:HG11	1.15	1.56
1:7Y:448:ALA:HB2	2:7w:60:LEU:CD1	1.27	1.56
2:1n:247:LYS:CB	2:3n:239:THR:HA	1.21	1.56
2:6m:257:THR:C	2:8u:259:VAL:CG1	1.78	1.56
1:6L:447:GLN:CA	2:6i:56:ASN:HB2	1.15	1.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:232:TYR:CB	2:9F:232:TYR:HB3	1.28	1.56
2:6l:120:ILE:HD11	2:7h:120:ILE:CD1	1.23	1.56
2:7m:251:VAL:CG1	2:8v:279:ILE:HD12	1.15	1.56
2:1u:200:LEU:HD11	2:2t:200:LEU:CD2	1.23	1.56
1:3V:443:SER:CA	2:3s:56:ASN:HD21	0.93	1.56
2:1o:270:ILE:CG2	2:3o:251:VAL:HG22	1.11	1.56
2:1r:247:LYS:CB	2:3r:239:THR:HA	1.21	1.56
1:1H:448:ALA:HB3	2:1j:41:TYR:CE1	1.35	1.55
2:5e:263:VAL:CG2	2:6g:256:ALA:HB3	1.27	1.55
2:1m:200:LEU:HD11	2:2j:200:LEU:CD2	1.23	1.55
2:2m:203:ASN:HD22	2:3t:212:GLY:CA	1.10	1.55
2:6t:120:ILE:HD11	2:7r:120:ILE:CD1	1.24	1.55
2:8g:266:LEU:HD23	2:8k:254:SER:CB	1.17	1.55
2:5i:279:ILE:HD12	2:6o:251:VAL:CG1	1.11	1.55
2:9M:278:ILE:HG21	2:9J:278:ILE:CG2	1.33	1.55
1:7Y:448:ALA:CB	2:7w:60:LEU:HD12	1.14	1.55
2:2m:242:LEU:CD1	2:3t:235:PRO:C	1.78	1.55
2:1s:263:VAL:CG2	2:3s:256:ALA:HB3	1.31	1.55
2:8e:278:ILE:CG2	2:9F:278:ILE:HD13	1.19	1.55
2:1k:267:ASN:HD21	2:3k:254:SER:CA	1.09	1.55
2:6q:251:VAL:HG13	2:9K:279:ILE:CD1	1.23	1.55
2:6q:257:THR:C	2:9K:259:VAL:CG1	1.79	1.55
2:2u:239:THR:CG2	2:3v:247:LYS:C	1.76	1.55
1:2K:28:GLN:HE21	2:1t:27:ILE:CD1	1.17	1.55
1:4d:448:ALA:CB	2:4n:41:TYR:CD1	1.87	1.55
2:8k:278:ILE:HG21	2:9G:278:ILE:CG2	1.33	1.55
2:1q:200:LEU:HD11	2:2o:200:LEU:CD2	1.23	1.55
2:1s:278:ILE:CG2	2:3s:278:ILE:HD13	1.27	1.55
2:2a:239:THR:CG2	2:3f:247:LYS:C	1.76	1.54
2:1k:266:LEU:CD1	2:3k:266:LEU:HA	1.22	1.54
2:1k:270:ILE:CG2	2:3k:251:VAL:HG22	1.11	1.54
2:6s:242:LEU:HD13	2:7o:235:PRO:C	1.26	1.54
2:1w:263:VAL:CG2	2:3w:256:ALA:HB3	1.31	1.54
2:6x:120:ILE:HD11	2:7w:120:ILE:CD1	1.23	1.54
2:1i:222:LEU:HB3	2:2e:226:ILE:CG2	1.38	1.54
2:1o:278:ILE:CG2	2:3o:278:ILE:HD13	1.27	1.54
2:1u:222:LEU:HB3	2:2t:226:ILE:CG2	1.38	1.54
2:5e:279:ILE:HD12	2:6g:251:VAL:CG1	1.11	1.54
2:4j:247:LYS:CD	2:3t:239:THR:HA	1.30	1.54
2:6q:256:ALA:HB3	2:9K:263:VAL:CG2	1.31	1.54
2:5m:263:VAL:CG2	2:6w:256:ALA:HB3	1.27	1.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:270:ILE:CG2	2:3g:251:VAL:HG22	1.11	1.54
2:8e:254:SER:CB	2:9O:266:LEU:HD23	1.17	1.54
2:1k:263:VAL:CG2	2:3k:256:ALA:HB3	1.31	1.54
2:6i:256:ALA:HB3	2:8o:263:VAL:CG2	1.31	1.54
2:2r:242:LEU:CD1	2:3x:235:PRO:C	1.78	1.54
2:6g:242:LEU:HD13	2:7Z:235:PRO:C	1.26	1.53
2:8q:278:ILE:HG21	2:9H:278:ILE:CG2	1.33	1.53
2:5k:279:ILE:HD12	2:6s:251:VAL:CG1	1.11	1.53
2:6q:247:LYS:HE3	2:9K:277:GLY:C	1.34	1.53
1:7I:447:GLN:C	2:7e:41:TYR:CE1	1.86	1.53
2:7d:244:GLY:C	2:9P:242:LEU:HD22	1.18	1.53
2:1i:200:LEU:CD1	2:2e:200:LEU:HD22	1.06	1.53
2:5g:279:ILE:HD12	2:6k:251:VAL:CG1	1.11	1.53
2:8w:278:ILE:HG21	2:9I:278:ILE:CG2	1.33	1.53
2:1w:270:ILE:CG2	2:3w:251:VAL:HG22	1.11	1.53
2:6w:242:LEU:HD13	2:7t:235:PRO:C	1.26	1.53
2:1e:200:LEU:CD1	2:2Z:200:LEU:HD22	1.06	1.53
2:2f:239:THR:CG2	2:3j:247:LYS:C	1.76	1.53
2:6x:120:ILE:CD1	2:7w:120:ILE:HD13	1.10	1.53
2:6p:120:ILE:CD1	2:7m:120:ILE:HD13	1.10	1.53
2:1w:266:LEU:HD21	2:3w:265:ASP:C	1.23	1.53
1:3I:447:GLN:HG2	2:3l:44:VAL:CG2	1.33	1.53
1:1L:356:PRO:CG	1:1L:369:PHE:CD2	1.92	1.52
1:2P:28:GLN:NE2	2:1x:27:ILE:HD12	1.24	1.52
2:1o:266:LEU:HD21	2:3o:265:ASP:C	1.23	1.52
2:4l:247:LYS:CD	2:3x:239:THR:HA	1.30	1.52
1:1F:356:PRO:CG	1:1F:369:PHE:CD2	1.92	1.52
1:3P:443:SER:CA	2:3o:56:ASN:HD21	1.16	1.52
2:6i:247:LYS:HE3	2:8o:277:GLY:C	1.33	1.52
2:2l:235:PRO:C	2:3m:242:LEU:HD13	1.33	1.52
2:8y:210:LEU:HD23	2:9J:206:VAL:CG1	1.38	1.52
1:1R:356:PRO:CG	1:1R:369:PHE:CD2	1.92	1.52
2:6l:120:ILE:CD1	2:7h:120:ILE:HD13	1.10	1.52
2:6i:257:THR:C	2:8o:259:VAL:CG1	1.79	1.52
2:8m:235:PRO:C	2:9H:242:LEU:CD1	1.83	1.52
2:1m:200:LEU:CD1	2:2j:200:LEU:HD22	1.06	1.52
2:4j:247:LYS:HD3	2:3t:239:THR:CA	1.30	1.52
2:1f:247:LYS:HB3	2:3f:239:THR:CA	1.04	1.52
2:8n:242:LEU:HD22	2:7n:244:GLY:C	1.18	1.52
2:1s:267:ASN:HD21	2:3s:254:SER:C	1.18	1.52
2:8w:229:GLY:HA3	2:9I:231:PRO:CD	1.40	1.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1v:247:LYS:HB3	2:3v:239:THR:CA	1.04	1.51
1:1B:448:ALA:CB	2:1f:41:TYR:CD1	1.93	1.51
1:6d:447:GLN:HA	2:6u:56:ASN:CB	1.34	1.51
2:2h:242:LEU:CD1	2:3p:235:PRO:C	1.78	1.51
2:6m:256:ALA:HB3	2:8u:263:VAL:CG2	1.31	1.51
2:6e:257:THR:C	2:8i:259:VAL:HG11	1.15	1.51
2:1o:267:ASN:HD21	2:3o:254:SER:C	1.18	1.51
2:8q:229:GLY:HA3	2:9H:231:PRO:CD	1.40	1.51
2:1u:200:LEU:CD1	2:2t:200:LEU:HD22	1.06	1.51
1:8A:448:ALA:HB2	2:8e:57:MET:SD	1.51	1.50
2:2c:227:GLY:CA	2:3l:223:ARG:NH1	1.72	1.50
2:8g:235:PRO:C	2:9G:242:LEU:CD1	1.83	1.50
2:6u:257:THR:C	2:9Q:259:VAL:CG1	1.79	1.50
2:1g:266:LEU:HD21	2:3g:265:ASP:C	1.23	1.50
2:1m:222:LEU:HB3	2:2j:226:ILE:CG2	1.38	1.50
2:2q:235:PRO:C	2:3q:242:LEU:HD13	1.33	1.50
2:1g:267:ASN:ND2	2:3g:254:SER:CA	1.72	1.50
2:6i:257:THR:C	2:8o:259:VAL:HG11	1.15	1.50
2:8k:229:GLY:HA3	2:9G:231:PRO:CD	1.40	1.50
2:6q:256:ALA:CA	2:9K:263:VAL:HG21	1.40	1.50
1:8L:443:SER:CA	2:8m:45:LYS:NZ	1.74	1.50
2:8k:237:ALA:CB	2:9G:245:VAL:C	1.80	1.50
2:1q:200:LEU:CD1	2:2o:200:LEU:HD22	1.06	1.50
1:8c:445:GLY:C	2:9P:44:VAL:HG22	1.21	1.50
2:8g:210:LEU:HD23	2:9G:206:VAL:CG1	1.38	1.50
2:2g:235:PRO:C	2:3i:242:LEU:HD13	1.33	1.50
2:6m:247:LYS:HE3	2:8u:277:GLY:C	1.33	1.50
2:6m:256:ALA:CA	2:8u:263:VAL:HG21	1.40	1.50
2:8q:259:VAL:HG11	2:9H:259:VAL:CA	1.26	1.50
2:1r:247:LYS:HB3	2:3r:239:THR:CA	1.04	1.50
2:9M:259:VAL:HG11	2:9J:259:VAL:CA	1.26	1.50
1:4F:448:ALA:HB2	2:4f:41:TYR:CD1	1.47	1.50
2:1k:267:ASN:HD21	2:3k:254:SER:C	1.18	1.50
2:1k:267:ASN:ND2	2:3k:254:SER:CA	1.72	1.50
2:8m:210:LEU:HD23	2:9H:206:VAL:CG1	1.38	1.50
2:8s:210:LEU:HD23	2:9I:206:VAL:CG1	1.38	1.50
2:1e:222:LEU:HB3	2:2Z:226:ILE:CG2	1.38	1.49
2:2b:235:PRO:C	2:3e:242:LEU:HD13	1.33	1.49
2:6m:257:THR:C	2:8u:259:VAL:HG11	1.15	1.49
2:3h:235:PRO:C	2:2w:242:LEU:CD1	1.78	1.49
2:1j:247:LYS:HB3	2:3j:239:THR:CA	1.04	1.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:229:GLY:HA3	2:9F:231:PRO:CD	1.40	1.49
2:8e:237:ALA:CB	2:9F:245:VAL:C	1.80	1.49
2:8e:278:ILE:CG2	2:9F:278:ILE:HG21	1.40	1.49
2:9F:206:VAL:CG1	2:9O:210:LEU:HD23	1.38	1.49
2:8q:278:ILE:CG2	2:9H:278:ILE:HG21	1.40	1.49
2:9M:229:GLY:HA3	2:9J:231:PRO:CD	1.40	1.49
2:9M:237:ALA:CB	2:9J:245:VAL:C	1.80	1.49
1:2G:356:PRO:HG2	1:2G:369:PHE:CD2	1.47	1.49
2:9M:278:ILE:CG2	2:9J:278:ILE:HG21	1.40	1.49
2:2c:242:LEU:CD1	2:3l:235:PRO:C	1.78	1.49
2:2k:242:LEU:CB	2:3n:244:GLY:HA3	1.28	1.49
2:1w:267:ASN:HD21	2:3w:254:SER:C	1.18	1.49
1:2B:356:PRO:HG2	1:2B:369:PHE:CD2	1.47	1.48
1:7X:28:GLN:CG	2:6q:52:LEU:HD11	1.40	1.48
2:6u:257:THR:C	2:9Q:259:VAL:HG11	1.15	1.48
1:1N:448:ALA:CB	2:1n:41:TYR:CD1	1.95	1.48
1:1d:356:PRO:CG	1:1d:369:PHE:CD2	1.92	1.48
2:2k:227:GLY:HA3	2:3n:223:ARG:NH1	1.17	1.48
2:1q:222:LEU:HB3	2:2o:226:ILE:CG2	1.38	1.48
2:1u:247:LYS:HG2	2:2t:239:THR:CG2	1.37	1.48
2:6e:257:THR:C	2:8i:259:VAL:CG1	1.78	1.48
2:8k:278:ILE:CG2	2:9G:278:ILE:CG2	1.91	1.48
2:6u:247:LYS:HE3	2:9Q:277:GLY:C	1.34	1.48
1:1X:356:PRO:CG	1:1X:369:PHE:CD2	1.93	1.48
2:8s:235:PRO:C	2:9I:242:LEU:CD1	1.83	1.48
2:8s:266:LEU:CD2	2:8w:254:SER:CB	1.91	1.48
1:6d:447:GLN:CA	2:6u:56:ASN:HB2	1.42	1.48
2:1g:267:ASN:HD21	2:3g:254:SER:C	1.18	1.48
2:8g:236:ALA:N	2:9G:242:LEU:HD11	1.28	1.48
2:6i:256:ALA:CA	2:8o:263:VAL:HG21	1.40	1.48
2:1f:228:ALA:HB1	2:3f:228:ALA:CB	1.44	1.47
2:9F:242:LEU:CD1	2:9O:235:PRO:C	1.83	1.47
2:2h:227:GLY:CA	2:3p:223:ARG:NH1	1.72	1.47
2:8k:278:ILE:CG2	2:9G:278:ILE:HG21	1.40	1.47
2:1n:247:LYS:HB3	2:3n:239:THR:CA	1.04	1.47
2:2p:227:GLY:HA3	2:3r:223:ARG:NH1	1.17	1.47
2:8e:254:SER:CB	2:9O:266:LEU:CD2	1.91	1.47
2:8q:237:ALA:CB	2:9H:245:VAL:C	1.80	1.47
2:8w:278:ILE:CG2	2:9I:278:ILE:HG21	1.40	1.47
2:8w:278:ILE:CG2	2:9I:278:ILE:CD1	1.85	1.47
2:8y:235:PRO:C	2:9J:242:LEU:CD1	1.83	1.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6u:256:ALA:CA	2:9Q:263:VAL:HG21	1.40	1.47
1:7E:448:ALA:CB	2:7c:60:LEU:HD12	1.44	1.47
1:8F:443:SER:HA	2:8g:45:LYS:NZ	1.21	1.47
2:6e:256:ALA:CA	2:8i:263:VAL:HG21	1.40	1.47
2:8e:279:ILE:HA	2:9F:248:GLY:CA	1.44	1.47
2:1u:247:LYS:CG	2:2t:239:THR:HG23	1.08	1.47
2:2a:227:GLY:HA3	2:3f:223:ARG:NH1	1.17	1.47
2:2f:242:LEU:CB	2:3j:244:GLY:HA3	1.28	1.47
2:1o:266:LEU:HD13	2:3o:266:LEU:CA	1.43	1.47
2:1r:228:ALA:HB1	2:3r:228:ALA:CB	1.44	1.47
1:2L:356:PRO:HG2	1:2L:369:PHE:CD2	1.47	1.47
2:8k:279:ILE:HA	2:9G:248:GLY:CA	1.44	1.47
2:8m:259:VAL:HG11	2:8q:257:THR:CA	1.45	1.47
2:8m:266:LEU:CD2	2:8q:254:SER:CB	1.91	1.47
2:1n:228:ALA:HB1	2:3n:228:ALA:CB	1.44	1.47
2:8q:278:ILE:CG2	2:9H:278:ILE:CG2	1.91	1.47
1:7D:448:ALA:HA	2:7Z:41:TYR:CD1	1.45	1.46
2:8g:223:ARG:NH1	2:9G:227:GLY:HA3	1.14	1.46
2:2m:227:GLY:CA	2:3t:223:ARG:NH1	1.72	1.46
2:8s:259:VAL:HG11	2:8w:257:THR:CA	1.45	1.46
2:1v:228:ALA:HB1	2:3v:228:ALA:CB	1.44	1.46
2:1w:279:ILE:CG2	2:3w:272:VAL:CG1	1.94	1.46
2:5e:279:ILE:CD1	2:6g:251:VAL:CG1	1.94	1.46
2:7b:120:ILE:CD1	2:9Q:120:ILE:HD11	1.42	1.46
2:6n:120:ILE:CD1	2:7p:120:ILE:HD13	1.42	1.46
2:1s:266:LEU:HD13	2:3s:266:LEU:CA	1.44	1.46
2:8w:237:ALA:CB	2:9I:245:VAL:C	1.80	1.46
2:2v:235:PRO:C	2:3u:242:LEU:HD13	1.33	1.46
1:2U:28:GLN:HE21	2:1h:27:ILE:CD1	1.26	1.46
2:1g:279:ILE:CG2	2:3g:272:VAL:CG1	1.94	1.46
2:6e:247:LYS:HE3	2:8i:277:GLY:C	1.33	1.46
2:8g:266:LEU:CD2	2:8k:254:SER:CB	1.91	1.46
2:8o:120:ILE:HD11	2:7l:120:ILE:CD1	1.43	1.46
2:9K:120:ILE:HD11	2:7v:120:ILE:CD1	1.42	1.46
1:2Q:356:PRO:HG2	1:2Q:369:PHE:CD2	1.47	1.46
1:6c:445:GLY:CA	2:6v:44:VAL:HB	1.42	1.46
2:1g:266:LEU:HD13	2:3g:266:LEU:CA	1.44	1.46
2:6f:120:ILE:CD1	2:7f:120:ILE:HD13	1.42	1.46
2:6j:120:ILE:CD1	2:7k:120:ILE:HD13	1.42	1.46
2:8u:120:ILE:HD11	2:7q:120:ILE:CD1	1.42	1.46
2:2u:242:LEU:CB	2:3v:244:GLY:HA3	1.29	1.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6u:258:ASP:HA	2:9Q:259:VAL:CG2	1.45	1.46
1:2K:28:GLN:NE2	2:1t:27:ILE:HD12	1.31	1.46
2:1g:270:ILE:HG23	2:3g:251:VAL:CG2	1.46	1.46
2:6e:258:ASP:CA	2:8i:259:VAL:HG21	1.46	1.46
2:7a:120:ILE:HD13	2:6v:120:ILE:CD1	1.42	1.46
2:8e:278:ILE:CG2	2:9F:278:ILE:CG2	1.91	1.46
2:8g:259:VAL:HG11	2:8k:257:THR:CA	1.45	1.46
2:8i:120:ILE:HD11	2:7g:120:ILE:CD1	1.42	1.46
2:9F:242:LEU:HD11	2:9O:236:ALA:N	1.28	1.46
2:1k:279:ILE:CG2	2:3k:272:VAL:CG1	1.94	1.46
2:8s:259:VAL:HG11	2:8w:257:THR:C	1.03	1.46
2:8y:266:LEU:CD2	2:9M:254:SER:CB	1.91	1.46
2:1w:270:ILE:HG23	2:3w:251:VAL:CG2	1.46	1.46
2:8e:254:SER:HB2	2:9O:266:LEU:CD2	1.45	1.45
2:8e:257:THR:C	2:9O:259:VAL:HG11	1.03	1.45
2:8k:259:VAL:HG11	2:9G:259:VAL:CA	1.27	1.45
2:2p:200:LEU:HD22	2:3r:200:LEU:CD1	1.47	1.45
2:6r:120:ILE:CD1	2:7u:120:ILE:HD13	1.42	1.45
2:1g:120:ILE:HD11	2:2x:120:ILE:CD1	1.47	1.45
2:2k:200:LEU:HD22	2:3n:200:LEU:CD1	1.47	1.45
2:1k:266:LEU:HD13	2:3k:266:LEU:CA	1.43	1.45
2:8m:236:ALA:N	2:9H:242:LEU:HD11	1.28	1.45
2:5i:279:ILE:CD1	2:6o:251:VAL:CG1	1.94	1.45
2:1s:267:ASN:CG	2:3s:254:SER:N	1.74	1.45
2:1w:267:ASN:ND2	2:3w:254:SER:CA	1.72	1.45
1:1N:448:ALA:HB3	2:1n:41:TYR:CE1	1.50	1.45
1:2V:356:PRO:HG2	1:2V:369:PHE:CD2	1.47	1.45
1:9E:392:THR:HG23	2:9J:46:ASP:CG	1.41	1.45
2:1w:267:ASN:CG	2:3w:254:SER:N	1.74	1.45
2:1w:270:ILE:CG2	2:3w:251:VAL:CG2	1.94	1.45
2:6u:258:ASP:CA	2:9Q:259:VAL:HG21	1.46	1.45
2:1j:228:ALA:HB1	2:3j:228:ALA:CB	1.44	1.45
2:6o:226:ILE:HG22	2:7j:222:LEU:CD1	1.46	1.45
2:5k:279:ILE:CD1	2:6s:251:VAL:CG1	1.94	1.45
2:2u:200:LEU:HD22	2:3v:200:LEU:CD1	1.47	1.45
2:9M:201:VAL:CA	2:9J:193:LYS:HD3	1.46	1.45
1:3V:443:SER:HA	2:3s:56:ASN:ND2	1.12	1.44
2:9F:227:GLY:CA	2:9O:223:ARG:HH11	1.29	1.44
2:5g:279:ILE:CD1	2:6k:251:VAL:CG1	1.94	1.44
2:6m:258:ASP:CA	2:8u:259:VAL:HG21	1.46	1.44
2:8s:222:LEU:HB3	2:9I:226:ILE:CG2	1.46	1.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:236:ALA:N	2:9I:242:LEU:HD11	1.28	1.44
2:8y:266:LEU:CD2	2:9M:254:SER:HB2	1.45	1.44
1:3b:443:SER:HA	2:3w:56:ASN:ND2	1.26	1.44
2:2d:120:ILE:CD1	2:1k:120:ILE:HD11	1.47	1.44
2:8g:223:ARG:HH11	2:9G:227:GLY:CA	1.29	1.44
2:9F:226:ILE:CG2	2:9O:222:LEU:CB	1.96	1.44
2:8q:279:ILE:HA	2:9H:248:GLY:CA	1.44	1.44
2:8s:223:ARG:NH1	2:9I:227:GLY:HA3	1.14	1.44
2:8s:223:ARG:HH11	2:9I:227:GLY:CA	1.29	1.44
2:7r:258:ASP:C	2:9L:259:VAL:HG11	1.42	1.44
2:5m:279:ILE:CD1	2:6w:251:VAL:CG1	1.94	1.44
1:8G:447:GLN:HG2	2:8k:44:VAL:CG1	1.44	1.44
2:7d:120:ILE:HD13	2:8f:120:ILE:CD1	1.47	1.44
2:2f:200:LEU:HD22	2:3j:200:LEU:CD1	1.47	1.44
2:6k:226:ILE:HG22	2:7e:222:LEU:CD1	1.46	1.44
2:8k:201:VAL:CA	2:9G:193:LYS:HD3	1.46	1.44
2:1o:279:ILE:CG2	2:3o:272:VAL:CG1	1.94	1.44
2:8s:222:LEU:CB	2:9I:226:ILE:CG2	1.96	1.44
2:1s:279:ILE:CG2	2:3s:272:VAL:CG1	1.94	1.44
2:8y:223:ARG:HH11	2:9J:227:GLY:CA	1.29	1.44
2:8y:259:VAL:HG11	2:9M:257:THR:CA	1.45	1.44
2:2a:242:LEU:CB	2:3f:244:GLY:HA3	1.28	1.44
2:6i:258:ASP:HA	2:8o:259:VAL:CG2	1.45	1.44
2:8m:223:ARG:HH11	2:9H:227:GLY:CA	1.29	1.44
2:8m:259:VAL:HG11	2:8q:257:THR:C	1.03	1.44
2:9M:279:ILE:HA	2:9J:248:GLY:CA	1.44	1.44
1:6T:443:SER:CA	2:6s:56:ASN:ND2	1.80	1.43
2:6r:227:GLY:C	2:5n:223:ARG:HD3	1.41	1.43
2:8y:259:VAL:HG11	2:9M:257:THR:C	1.03	1.43
1:1B:448:ALA:HB3	2:1f:41:TYR:CE1	1.49	1.43
2:1i:247:LYS:HG2	2:2e:239:THR:CG2	1.37	1.43
2:8s:266:LEU:CD2	2:8w:254:SER:HB2	1.45	1.43
2:7s:226:ILE:CD1	2:8x:226:ILE:HD11	1.49	1.43
2:6w:226:ILE:HG22	2:7t:222:LEU:CD1	1.46	1.43
1:1H:448:ALA:HB2	2:1j:41:TYR:CD1	1.48	1.43
2:2a:200:LEU:HD22	2:3f:200:LEU:CD1	1.47	1.43
2:6e:258:ASP:HA	2:8i:259:VAL:CG2	1.45	1.43
2:7d:226:ILE:CD1	2:8f:226:ILE:HD11	1.49	1.43
2:8m:222:LEU:HB3	2:9H:226:ILE:CG2	1.46	1.43
2:8m:222:LEU:CB	2:9H:226:ILE:CG2	1.96	1.43
2:1o:273:LEU:CD1	2:3o:269:LEU:HD11	1.47	1.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:201:VAL:CA	2:9H:193:LYS:HD3	1.46	1.43
2:2s:120:ILE:CD1	2:1w:120:ILE:HD11	1.47	1.43
2:8w:259:VAL:HG11	2:9I:259:VAL:CA	1.27	1.43
2:6w:242:LEU:O	2:7t:234:LEU:CD2	1.67	1.43
1:6X:445:GLY:C	2:6q:44:VAL:HG22	1.00	1.43
2:8g:222:LEU:HB3	2:9G:226:ILE:CG2	1.46	1.43
2:1i:247:LYS:CG	2:2e:239:THR:HG23	1.08	1.43
2:8q:270:ILE:CD1	2:9H:269:LEU:HB2	1.29	1.43
2:1s:267:ASN:ND2	2:3s:254:SER:CA	1.72	1.43
2:2r:227:GLY:CA	2:3x:223:ARG:NH1	1.72	1.43
2:8w:279:ILE:HA	2:9I:248:GLY:CA	1.44	1.43
1:6X:445:GLY:O	2:6q:44:VAL:CG2	1.66	1.43
2:1g:270:ILE:CG2	2:3g:251:VAL:CG2	1.94	1.43
2:8g:266:LEU:CD2	2:8k:254:SER:HB2	1.45	1.43
2:7i:120:ILE:HD13	2:8l:120:ILE:CD1	1.47	1.43
2:2l:236:ALA:N	2:3m:242:LEU:CD1	1.82	1.43
2:1s:270:ILE:HG23	2:3s:251:VAL:CG2	1.46	1.43
2:6s:226:ILE:HG22	2:7o:222:LEU:CD1	1.46	1.43
2:1k:270:ILE:CG2	2:3k:251:VAL:CG2	1.94	1.42
2:6j:227:GLY:C	2:5j:223:ARG:HD3	1.41	1.42
2:6q:258:ASP:CA	2:9K:259:VAL:HG21	1.46	1.42
2:1w:273:LEU:CD1	2:3w:269:LEU:HD11	1.47	1.42
2:2u:227:GLY:HA3	2:3v:223:ARG:NH1	1.17	1.42
2:1g:267:ASN:CG	2:3g:254:SER:N	1.74	1.42
2:6f:227:GLY:C	2:5h:223:ARG:HD3	1.42	1.42
2:8e:257:THR:CA	2:9O:259:VAL:HG11	1.45	1.42
2:7h:258:ASP:C	2:8p:259:VAL:HG11	1.42	1.42
2:8n:242:LEU:CD2	2:7n:244:GLY:C	1.93	1.42
2:7m:258:ASP:C	2:8v:259:VAL:HG11	1.43	1.42
2:8y:222:LEU:CB	2:9J:226:ILE:CG2	1.96	1.42
2:1e:247:LYS:CG	2:2Z:239:THR:CG2	1.78	1.42
2:2b:236:ALA:N	2:3e:242:LEU:CD1	1.82	1.42
2:5e:245:VAL:C	2:7Z:242:LEU:HD23	1.45	1.42
2:5f:223:ARG:HD3	2:6v:227:GLY:C	1.42	1.42
2:8e:201:VAL:CA	2:9F:193:LYS:HD3	1.46	1.42
2:6m:258:ASP:HA	2:8u:259:VAL:CG2	1.45	1.42
2:1s:273:LEU:CD1	2:3s:269:LEU:HD11	1.47	1.42
2:2p:226:ILE:CG2	2:3r:222:LEU:HB3	1.49	1.42
2:2q:236:ALA:N	2:3q:242:LEU:CD1	1.82	1.42
2:1w:266:LEU:HD13	2:3w:266:LEU:CA	1.44	1.42
2:6g:226:ILE:HG22	2:7Z:222:LEU:CD1	1.46	1.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:258:ASP:C	2:8j:259:VAL:HG11	1.42	1.42
2:8g:259:VAL:HG11	2:8k:257:THR:C	1.03	1.42
2:1k:267:ASN:CG	2:3k:254:SER:N	1.74	1.42
2:1k:273:LEU:CD1	2:3k:269:LEU:HD11	1.47	1.42
2:6k:242:LEU:O	2:7e:234:LEU:CD2	1.67	1.42
2:6n:227:GLY:C	2:5l:223:ARG:HD3	1.42	1.42
2:8w:278:ILE:CG2	2:9l:278:ILE:CG2	1.91	1.42
2:2u:242:LEU:HD11	2:3v:236:ALA:CA	1.49	1.42
2:7w:258:ASP:C	2:9R:259:VAL:HG11	1.42	1.42
1:6T:443:SER:HA	2:6s:56:ASN:ND2	1.19	1.42
1:6X:445:GLY:C	2:6q:44:VAL:CG2	1.91	1.42
1:7W:446:ALA:CB	2:7u:41:TYR:CE2	1.89	1.42
2:2f:227:GLY:HA3	2:3j:223:ARG:NH1	1.17	1.42
2:1o:267:ASN:CG	2:3o:254:SER:N	1.74	1.42
2:7n:120:ILE:HD13	2:8r:120:ILE:CD1	1.47	1.42
2:2r:242:LEU:HD11	2:3x:235:PRO:C	1.38	1.42
2:2u:226:ILE:CG2	2:3v:222:LEU:HB3	1.49	1.42
2:1g:273:LEU:CD1	2:3g:269:LEU:HD11	1.47	1.41
2:8k:175:PHE:CE1	2:9G:171:GLN:HG2	1.55	1.41
2:8k:280:SER:HB2	2:9G:249:ALA:CA	1.42	1.41
2:1o:270:ILE:CG2	2:3o:251:VAL:CG2	1.94	1.41
2:2p:239:THR:HG23	2:3r:247:LYS:CB	1.48	1.41
2:6q:258:ASP:HA	2:9K:259:VAL:CG2	1.45	1.41
1:7l:447:GLN:O	2:7e:41:TYR:CE1	1.69	1.41
1:2P:28:GLN:NE2	2:1x:27:ILE:CD1	1.76	1.41
2:8g:222:LEU:CB	2:9G:226:ILE:CG2	1.96	1.41
2:2g:236:ALA:N	2:3i:242:LEU:CD1	1.82	1.41
2:2i:120:ILE:CD1	2:1o:120:ILE:HD11	1.47	1.41
2:7i:226:ILE:CD1	2:8l:226:ILE:HD11	1.49	1.41
1:7C:446:ALA:CB	2:7a:41:TYR:CE2	1.99	1.41
1:7O:446:ALA:CB	2:7m:41:TYR:CE2	1.77	1.41
2:6i:258:ASP:CA	2:8o:259:VAL:HG21	1.46	1.41
2:5i:245:VAL:C	2:7j:242:LEU:HD23	1.45	1.41
2:2u:239:THR:HG23	2:3v:247:LYS:CB	1.48	1.41
2:7x:226:ILE:CD1	2:9N:226:ILE:HD11	1.49	1.41
2:9M:175:PHE:CE1	2:9J:171:GLN:HG2	1.55	1.41
2:8e:270:ILE:CD1	2:9F:269:LEU:HB2	1.29	1.41
2:8m:266:LEU:CD2	2:8q:254:SER:HB2	1.45	1.41
2:1o:267:ASN:ND2	2:3o:254:SER:CA	1.72	1.41
2:8t:242:LEU:CD2	2:7s:244:GLY:C	1.93	1.41
2:2s:269:LEU:HD22	2:3w:270:ILE:CG1	1.49	1.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:201:VAL:CA	2:9I:193:LYS:HD3	1.46	1.41
2:9M:270:ILE:CD1	2:9J:269:LEU:HB2	1.29	1.41
2:9M:278:ILE:CG2	2:9J:278:ILE:CG2	1.91	1.41
1:8X:445:GLY:O	2:8y:44:VAL:CG2	1.66	1.41
2:2a:226:ILE:CG2	2:3f:222:LEU:HB3	1.49	1.41
2:2a:242:LEU:HD11	2:3f:236:ALA:CA	1.49	1.41
2:8e:175:PHE:CE1	2:9F:171:GLN:HG2	1.55	1.41
2:9F:226:ILE:CG2	2:9O:222:LEU:HB3	1.46	1.41
2:7n:226:ILE:CD1	2:8r:226:ILE:HD11	1.49	1.41
2:2d:269:LEU:HD22	2:3k:270:ILE:CG1	1.49	1.40
2:3h:223:ARG:NH1	2:2w:227:GLY:CA	1.72	1.40
2:2f:239:THR:HG23	2:3j:247:LYS:CB	1.48	1.40
2:8m:223:ARG:NH1	2:9H:227:GLY:HA3	1.14	1.40
2:2k:226:ILE:CG2	2:3n:222:LEU:HB3	1.49	1.40
2:7s:120:ILE:HD13	2:8x:120:ILE:CD1	1.47	1.40
2:8w:175:PHE:CE1	2:9I:171:GLN:HG2	1.55	1.40
2:8y:236:ALA:N	2:9J:242:LEU:HD11	1.28	1.40
2:9M:279:ILE:CA	2:9J:248:GLY:HA3	1.46	1.40
1:8X:445:GLY:O	2:8y:44:VAL:CB	1.67	1.40
2:8e:280:SER:HB2	2:9F:249:ALA:CA	1.42	1.40
2:8g:234:LEU:HD21	2:9G:242:LEU:C	1.46	1.40
2:2f:226:ILE:CG2	2:3j:222:LEU:HB3	1.49	1.40
2:1o:270:ILE:HG23	2:3o:251:VAL:CG2	1.46	1.40
2:2n:269:LEU:HD22	2:3s:270:ILE:CG1	1.49	1.40
2:1s:270:ILE:CG2	2:3s:251:VAL:CG2	1.94	1.40
2:2o:235:PRO:C	2:1x:242:LEU:HD13	1.47	1.40
2:8w:279:ILE:CA	2:9I:248:GLY:HA3	1.46	1.40
2:8y:222:LEU:HB3	2:9J:226:ILE:CG2	1.46	1.40
2:2v:236:ALA:N	2:3u:242:LEU:CD1	1.82	1.40
1:3P:443:SER:HA	2:3o:56:ASN:ND2	1.13	1.40
1:2W:447:GLN:O	2:2u:41:TYR:CE1	1.73	1.40
2:1h:242:LEU:HD13	2:2t:235:PRO:C	1.47	1.40
2:2Z:235:PRO:C	2:1l:242:LEU:HD13	1.47	1.40
2:6g:242:LEU:O	2:7Z:234:LEU:CD2	1.67	1.40
2:8y:223:ARG:NH1	2:9J:227:GLY:HA3	1.14	1.40
2:8e:278:ILE:CG2	2:9F:278:ILE:CD1	1.85	1.40
2:1o:259:VAL:CG2	2:3o:259:VAL:N	1.75	1.40
2:5k:245:VAL:C	2:7o:242:LEU:HD23	1.45	1.40
2:5m:245:VAL:C	2:7t:242:LEU:HD23	1.45	1.40
2:7x:120:ILE:HD13	2:9N:120:ILE:CD1	1.47	1.40
2:9F:227:GLY:HA3	2:9O:223:ARG:NH1	1.14	1.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2f:242:LEU:HD11	2:3j:236:ALA:CA	1.49	1.40
2:8s:234:LEU:HD21	2:9I:242:LEU:C	1.46	1.40
2:2p:242:LEU:CB	2:3r:244:GLY:HA3	1.28	1.40
2:6s:242:LEU:C	2:7o:234:LEU:CD2	1.95	1.40
2:6g:242:LEU:C	2:7Z:234:LEU:CD2	1.95	1.39
2:8e:259:VAL:HG11	2:9F:259:VAL:CA	1.26	1.39
2:6o:242:LEU:O	2:7j:234:LEU:CD2	1.67	1.39
2:8q:175:PHE:CE1	2:9H:171:GLN:HG2	1.55	1.39
2:6w:242:LEU:C	2:7t:234:LEU:CD2	1.95	1.39
2:9M:201:VAL:HG22	2:9J:197:GLN:NE2	1.36	1.39
1:7X:446:ALA:HB1	2:7t:41:TYR:CE2	1.56	1.39
2:1e:222:LEU:CB	2:2Z:226:ILE:HG22	1.53	1.39
2:2a:239:THR:HG23	2:3f:247:LYS:CB	1.48	1.39
2:7d:244:GLY:C	2:9P:242:LEU:CD2	1.93	1.39
2:8e:278:ILE:HG23	2:9F:278:ILE:CG1	1.52	1.39
2:8h:242:LEU:CD2	2:7i:244:GLY:C	1.93	1.39
2:5g:245:VAL:C	2:7e:242:LEU:HD23	1.45	1.39
2:6k:242:LEU:C	2:7e:234:LEU:CD2	1.95	1.39
2:2j:235:PRO:C	2:1t:242:LEU:HD13	1.47	1.39
2:2j:246:LYS:HA	2:1t:238:THR:O	1.23	1.39
2:2k:242:LEU:HD11	2:3n:236:ALA:CA	1.49	1.39
2:2n:120:ILE:CD1	2:1s:120:ILE:HD11	1.47	1.39
2:6o:242:LEU:C	2:7j:234:LEU:CD2	1.95	1.39
2:8s:263:VAL:CG2	2:8w:256:ALA:O	1.70	1.39
2:2p:242:LEU:HB3	2:3r:244:GLY:CA	1.53	1.39
2:6s:242:LEU:O	2:7o:234:LEU:CD2	1.67	1.39
2:8w:280:SER:HB2	2:9I:249:ALA:CA	1.42	1.39
1:3C:208:GLY:O	1:3C:212:GLU:HG2	1.22	1.39
1:9D:392:THR:HG23	2:9I:46:ASP:CG	0.99	1.39
2:3g:270:ILE:CG1	2:2x:269:LEU:HD22	1.49	1.39
2:8e:201:VAL:HG22	2:9F:197:GLN:NE2	1.36	1.39
2:9F:239:THR:CG2	2:9O:247:LYS:HB3	1.52	1.39
2:1k:270:ILE:HG23	2:3k:251:VAL:CG2	1.46	1.39
2:2h:242:LEU:HD11	2:3p:235:PRO:C	1.38	1.39
2:1s:266:LEU:CD2	2:3s:266:LEU:N	1.85	1.39
1:9A:28:GLN:NE2	2:8w:27:ILE:HD11	1.33	1.39
1:1N:448:ALA:HB3	2:1n:41:TYR:CD1	1.50	1.39
2:1e:247:LYS:CG	2:2Z:239:THR:HG23	1.08	1.39
2:2e:235:PRO:C	2:1p:242:LEU:HD13	1.47	1.39
2:2i:269:LEU:HD22	2:3o:270:ILE:CG1	1.49	1.39
2:6i:258:ASP:N	2:8o:259:VAL:HG11	1.07	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:247:LYS:HG2	2:2j:239:THR:CG2	1.37	1.39
2:2k:239:THR:HG23	2:3n:247:LYS:CB	1.48	1.39
2:2p:242:LEU:HD11	2:3r:236:ALA:CA	1.49	1.39
1:3D:443:SER:CA	2:3g:56:ASN:HD21	1.32	1.39
2:5i:245:VAL:C	2:7j:242:LEU:CD2	1.96	1.39
2:8y:263:VAL:CG2	2:9M:256:ALA:O	1.70	1.39
2:8z:242:LEU:CD2	2:7x:244:GLY:C	1.93	1.39
1:1I:444:GLY:HA2	2:1k:45:LYS:CD	1.51	1.38
1:6X:447:GLN:NE2	2:6q:56:ASN:ND2	1.69	1.38
1:5d:446:ALA:CB	2:5n:56:ASN:HB2	1.51	1.38
2:7c:278:ILE:HD13	2:8j:278:ILE:CG2	1.52	1.38
2:8e:256:ALA:O	2:9O:263:VAL:CG2	1.70	1.38
2:5g:245:VAL:C	2:7e:242:LEU:CD2	1.96	1.38
2:8m:247:LYS:CB	2:9H:239:THR:HG23	1.32	1.38
2:2m:203:ASN:ND2	2:3t:212:GLY:HA2	1.06	1.38
2:6q:256:ALA:CB	2:9K:263:VAL:CG2	2.01	1.38
2:8y:234:LEU:HD21	2:9J:242:LEU:C	1.46	1.38
1:3D:443:SER:HA	2:3g:56:ASN:ND2	1.37	1.38
1:3J:443:SER:HA	2:3k:56:ASN:ND2	1.32	1.38
2:2c:203:ASN:ND2	2:3l:212:GLY:HA2	1.06	1.38
2:6m:256:ALA:CB	2:8u:263:VAL:CG2	2.01	1.38
2:1w:266:LEU:CD2	2:3w:266:LEU:N	1.85	1.38
2:7w:278:ILE:HD13	2:9R:278:ILE:CG2	1.52	1.38
2:9M:278:ILE:HG23	2:9J:278:ILE:CG1	1.52	1.38
2:8g:263:VAL:CG2	2:8k:256:ALA:O	1.70	1.38
2:1k:266:LEU:CD2	2:3k:266:LEU:N	1.85	1.38
2:5g:263:VAL:HG21	2:6k:256:ALA:CB	1.53	1.38
2:2p:239:THR:CG2	2:3r:247:LYS:O	1.68	1.38
2:8w:270:ILE:CD1	2:9I:269:LEU:HB2	1.29	1.38
1:1R:356:PRO:CG	1:1R:369:PHE:HD2	1.30	1.38
1:1T:448:ALA:HB3	2:1r:41:TYR:CD1	1.59	1.37
2:7d:244:GLY:CA	2:9P:242:LEU:HD22	1.54	1.38
2:8g:247:LYS:HB3	2:9G:239:THR:CG2	1.52	1.38
2:1k:234:LEU:CD1	2:3k:234:LEU:HD22	1.54	1.38
2:6i:256:ALA:CB	2:8o:263:VAL:CG2	2.01	1.38
2:7i:120:ILE:CD1	2:8l:120:ILE:HD11	1.53	1.38
2:8m:234:LEU:HD21	2:9H:242:LEU:C	1.46	1.38
2:5i:263:VAL:HG21	2:6o:256:ALA:CB	1.53	1.38
2:8m:263:VAL:CG2	2:8q:256:ALA:O	1.70	1.37
2:1m:222:LEU:CB	2:2j:226:ILE:HG22	1.53	1.37
2:7m:278:ILE:HD13	2:8v:278:ILE:CG2	1.52	1.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:201:VAL:N	2:9H:193:LYS:HD3	1.38	1.38
2:8w:201:VAL:HG22	2:9I:197:GLN:NE2	1.36	1.38
2:9M:259:VAL:CG1	2:9J:259:VAL:HA	0.98	1.38
1:1X:356:PRO:CG	1:1X:369:PHE:HD2	1.31	1.37
1:9D:446:ALA:HB1	2:9I:41:TYR:CD2	1.59	1.37
2:9F:239:THR:HG23	2:9O:247:LYS:CB	1.32	1.37
2:8k:270:ILE:CD1	2:9G:269:LEU:HB2	1.29	1.37
2:8m:259:VAL:CG1	2:8q:257:THR:C	1.97	1.37
2:1o:234:LEU:CD1	2:3o:234:LEU:HD22	1.54	1.37
2:1o:266:LEU:CD2	2:3o:266:LEU:N	1.85	1.37
2:6o:280:SER:OG	2:7j:247:LYS:HG2	1.23	1.37
2:8q:278:ILE:HG23	2:9H:278:ILE:CG1	1.52	1.37
2:2u:242:LEU:HB3	2:3v:244:GLY:CA	1.53	1.37
2:9M:226:ILE:CA	2:9J:219:LYS:HG2	1.42	1.37
1:1L:356:PRO:HG2	1:1L:369:PHE:CD2	1.54	1.37
1:6R:447:GLN:CD	2:6m:56:ASN:HD22	1.31	1.37
2:1g:267:ASN:OD1	2:3g:254:SER:N	1.57	1.37
2:8e:240:THR:C	2:9F:246:LYS:HZ1	1.29	1.37
2:8k:278:ILE:CG2	2:9G:278:ILE:CD1	1.85	1.37
2:8k:278:ILE:HG23	2:9G:278:ILE:CG1	1.52	1.37
2:8m:247:LYS:HB3	2:9H:239:THR:CG2	1.52	1.37
2:6m:258:ASP:N	2:8u:259:VAL:HG11	1.07	1.37
2:8q:279:ILE:CA	2:9H:248:GLY:HA3	1.46	1.37
2:2p:200:LEU:CD2	2:3r:200:LEU:HD11	1.55	1.37
2:8y:259:VAL:CG1	2:9M:257:THR:C	1.97	1.37
2:6u:251:VAL:CG1	2:9Q:279:ILE:CD1	2.02	1.37
1:7D:446:ALA:CB	2:7Z:41:TYR:CE2	1.81	1.37
1:9D:392:THR:CG2	2:9I:46:ASP:CG	1.95	1.37
2:1g:234:LEU:CD1	2:3g:234:LEU:HD22	1.54	1.37
2:8g:234:LEU:CD2	2:9G:242:LEU:O	1.72	1.37
2:9F:242:LEU:C	2:9O:234:LEU:HD21	1.46	1.37
2:1i:222:LEU:CB	2:2e:226:ILE:HG22	1.53	1.37
2:2r:203:ASN:ND2	2:3x:212:GLY:HA2	1.06	1.37
2:7r:278:ILE:HD13	2:9L:278:ILE:CG2	1.52	1.37
2:8z:242:LEU:HD22	2:7x:244:GLY:CA	1.54	1.37
1:1B:448:ALA:HB2	2:1f:41:TYR:CD1	1.56	1.37
1:4L:448:ALA:CB	2:4h:41:TYR:CD1	2.05	1.37
2:1e:247:LYS:HG2	2:2Z:239:THR:CG2	1.37	1.37
2:5f:209:LEU:HD12	2:6v:225:MET:SD	1.64	1.37
2:6e:251:VAL:CG1	2:8i:279:ILE:CD1	2.03	1.37
2:6e:258:ASP:N	2:8i:259:VAL:HG11	1.07	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7d:120:ILE:CD1	2:8f:120:ILE:HD11	1.53	1.37
2:2k:200:LEU:CD2	2:3n:200:LEU:HD11	1.55	1.37
2:2p:226:ILE:CG2	2:3r:222:LEU:CB	2.03	1.37
2:1w:234:LEU:CD1	2:3w:234:LEU:HD22	1.54	1.37
2:5m:245:VAL:C	2:7t:242:LEU:CD2	1.96	1.37
1:9A:28:GLN:HE22	2:8w:27:ILE:CD1	1.38	1.36
2:2c:242:LEU:HD11	2:3l:235:PRO:C	1.38	1.36
2:8e:257:THR:C	2:9O:259:VAL:CG1	1.97	1.36
2:1m:247:LYS:CG	2:2j:239:THR:HG23	1.08	1.36
2:1s:234:LEU:CD1	2:3s:234:LEU:HD22	1.54	1.36
2:7x:120:ILE:CD1	2:9N:120:ILE:HD11	1.53	1.36
1:2H:382:LYS:NZ	2:2f:101:GLU:OE2	1.57	1.36
1:1X:356:PRO:HG2	1:1X:369:PHE:CD2	1.54	1.36
1:2U:28:GLN:NE2	2:1h:27:ILE:HD12	1.38	1.36
2:1f:200:LEU:CD1	2:3f:200:LEU:HD22	1.54	1.36
2:1g:266:LEU:CD2	2:3g:266:LEU:N	1.85	1.36
2:6e:256:ALA:CB	2:8i:263:VAL:CG2	2.01	1.36
2:6f:225:MET:SD	2:5h:209:LEU:HD12	1.64	1.36
2:6j:225:MET:SD	2:5j:209:LEU:HD12	1.64	1.36
2:8k:240:THR:C	2:9G:246:LYS:HZ1	1.28	1.36
2:8q:201:VAL:HG22	2:9H:197:GLN:NE2	1.36	1.36
2:8s:247:LYS:HB3	2:9I:239:THR:CG2	1.52	1.36
2:6q:258:ASP:N	2:9K:259:VAL:HG11	1.07	1.36
2:1v:200:LEU:CD1	2:3v:200:LEU:HD22	1.54	1.36
2:2u:200:LEU:CD2	2:3v:200:LEU:HD11	1.55	1.36
2:6e:247:LYS:HE3	2:8i:277:GLY:O	1.20	1.36
2:8h:242:LEU:HD22	2:7i:244:GLY:CA	1.54	1.36
2:2f:200:LEU:CD2	2:3j:200:LEU:HD11	1.55	1.36
2:7h:278:ILE:HD13	2:8p:278:ILE:CG2	1.52	1.36
2:8k:201:VAL:HG22	2:9G:197:GLN:NE2	1.36	1.36
2:8k:232:TYR:CG	2:9G:232:TYR:HB3	1.22	1.36
2:1o:269:LEU:HG	2:3o:269:LEU:CD2	1.53	1.36
2:6n:225:MET:SD	2:5l:209:LEU:HD12	1.64	1.36
2:8s:234:LEU:CD2	2:9I:242:LEU:O	1.72	1.36
2:1q:222:LEU:CB	2:2o:226:ILE:HG22	1.53	1.36
2:1s:269:LEU:HG	2:3s:269:LEU:CD2	1.53	1.36
2:8y:234:LEU:CD2	2:9J:242:LEU:O	1.72	1.36
2:8y:247:LYS:HB3	2:9J:239:THR:CG2	1.52	1.36
2:1w:269:LEU:HG	2:3w:269:LEU:CD2	1.53	1.36
2:2u:226:ILE:CG2	2:3v:222:LEU:CB	2.03	1.36
2:6u:256:ALA:CB	2:9Q:263:VAL:CG2	2.01	1.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:263:VAL:HG21	2:6g:256:ALA:CB	1.53	1.36
2:8m:234:LEU:CD2	2:9H:242:LEU:O	1.72	1.36
2:6m:252:THR:O	2:8u:270:ILE:HD13	1.24	1.36
2:6o:227:GLY:C	2:7j:223:ARG:HD3	1.48	1.36
2:6s:227:GLY:C	2:7o:223:ARG:HD3	1.48	1.36
2:1u:222:LEU:CB	2:2t:226:ILE:HG22	1.53	1.36
2:5m:263:VAL:HG21	2:6w:256:ALA:CB	1.53	1.36
1:3I:444:GLY:O	2:3l:45:LYS:CD	1.71	1.36
2:1k:267:ASN:ND2	2:3k:254:SER:CB	1.89	1.36
2:6k:227:GLY:C	2:7e:223:ARG:HD3	1.48	1.36
2:7n:120:ILE:CD1	2:8r:120:ILE:HD11	1.53	1.36
2:8s:97:TYR:O	2:8s:110:LEU:HB2	1.26	1.36
2:8s:247:LYS:CB	2:9I:239:THR:HG23	1.32	1.36
2:1w:259:VAL:CG2	2:3w:259:VAL:N	1.75	1.36
2:6u:258:ASP:N	2:9Q:259:VAL:HG11	1.07	1.36
1:3C:447:GLN:HG2	2:3h:44:VAL:CG2	1.53	1.35
1:8A:448:ALA:CB	2:8e:57:MET:SD	2.14	1.35
2:6f:97:TYR:O	2:6f:110:LEU:HB2	1.26	1.35
2:8k:226:ILE:CA	2:9G:219:LYS:HG2	1.42	1.35
2:8y:235:PRO:C	2:9J:242:LEU:HD13	1.47	1.35
2:2a:200:LEU:CD2	2:3f:200:LEU:HD11	1.55	1.35
2:8g:244:GLY:HA3	2:9G:242:LEU:CB	1.56	1.35
2:8g:247:LYS:CB	2:9G:239:THR:HG23	1.32	1.35
2:8g:259:VAL:CG1	2:8k:257:THR:C	1.97	1.35
2:9F:242:LEU:O	2:9O:234:LEU:CD2	1.72	1.35
2:1i:247:LYS:CD	2:2e:239:THR:HG23	1.56	1.35
2:2f:226:ILE:CG2	2:3j:222:LEU:CB	2.03	1.35
2:2h:203:ASN:ND2	2:3p:212:GLY:HA2	1.06	1.35
2:2l:120:ILE:HD13	2:4i:120:ILE:CD1	1.55	1.35
2:2l:223:ARG:HD3	2:3m:227:GLY:C	1.52	1.35
2:6m:251:VAL:CG1	2:8u:279:ILE:CD1	2.02	1.35
2:6w:227:GLY:C	2:7t:223:ARG:HD3	1.48	1.35
2:2b:120:ILE:HD13	2:4e:120:ILE:CD1	1.55	1.35
2:2e:234:LEU:HD23	2:1p:242:LEU:O	1.26	1.35
2:2g:223:ARG:HD3	2:3i:227:GLY:C	1.52	1.35
2:6r:225:MET:SD	2:5n:209:LEU:HD12	1.64	1.35
2:1w:267:ASN:ND2	2:3w:254:SER:CB	1.89	1.35
1:1Z:448:ALA:CB	2:1v:41:TYR:CD1	2.09	1.35
1:1d:356:PRO:CG	1:1d:369:PHE:HD2	1.31	1.35
2:5e:245:VAL:C	2:7Z:242:LEU:CD2	1.96	1.35
2:8k:232:TYR:CD1	2:9G:232:TYR:O	1.79	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:200:LEU:CD1	2:3n:200:LEU:HD22	1.54	1.35
2:1q:247:LYS:HG2	2:2o:239:THR:CG2	1.37	1.35
2:2q:223:ARG:HD3	2:3q:227:GLY:C	1.52	1.35
2:8w:201:VAL:N	2:9I:193:LYS:HD3	1.38	1.35
2:8w:278:ILE:HG23	2:9I:278:ILE:CG1	1.52	1.35
2:8y:246:LYS:CB	2:9J:239:THR:O	1.74	1.35
1:2U:28:GLN:NE2	2:1h:27:ILE:CD1	1.87	1.35
2:2g:232:TYR:HD2	2:3i:232:TYR:CE1	1.45	1.35
2:1m:247:LYS:CD	2:2j:239:THR:HG23	1.56	1.35
2:2k:226:ILE:CG2	2:3n:222:LEU:CB	2.03	1.35
2:8q:232:TYR:CD1	2:9H:232:TYR:O	1.79	1.35
2:6q:251:VAL:CG1	2:9K:279:ILE:CD1	2.03	1.35
2:7s:120:ILE:CD1	2:8x:120:ILE:HD11	1.53	1.35
1:5F:446:ALA:CB	2:5f:56:ASN:HB2	1.57	1.34
1:8I:444:GLY:O	2:8p:44:VAL:CG2	1.72	1.34
1:6R:445:GLY:C	2:6m:44:VAL:HG22	1.51	1.34
1:8d:443:SER:CA	2:9O:45:LYS:HZ1	1.37	1.34
2:1g:267:ASN:CG	2:3g:254:SER:HB3	1.52	1.34
2:3h:212:GLY:HA2	2:2w:203:ASN:ND2	1.06	1.34
2:8e:232:TYR:CD1	2:9F:232:TYR:O	1.79	1.34
2:8e:232:TYR:CG	2:9F:232:TYR:HB3	1.22	1.34
2:8e:259:VAL:CG1	2:9F:259:VAL:HA	0.98	1.34
2:9F:242:LEU:CB	2:9O:244:GLY:HA3	1.56	1.34
2:2f:227:GLY:CA	2:3j:223:ARG:HH11	1.40	1.34
2:8k:201:VAL:N	2:9G:193:LYS:HD3	1.38	1.34
2:1s:267:ASN:ND2	2:3s:254:SER:CB	1.89	1.34
2:2u:239:THR:CG2	2:3v:247:LYS:O	1.68	1.34
1:1C:444:GLY:HA2	2:1g:45:LYS:CD	1.57	1.34
1:3J:443:SER:CA	2:3k:56:ASN:HD21	1.40	1.34
1:7H:443:SER:O	2:7f:45:LYS:NZ	1.59	1.34
1:7X:446:ALA:CB	2:7t:41:TYR:HE2	1.41	1.34
1:8d:443:SER:CA	2:9O:45:LYS:NZ	1.89	1.34
2:8g:246:LYS:CB	2:9G:239:THR:O	1.74	1.34
2:1k:269:LEU:HG	2:3k:269:LEU:CD2	1.53	1.34
2:6i:251:VAL:CG1	2:8o:279:ILE:CD1	2.03	1.34
2:8q:240:THR:C	2:9H:246:LYS:HZ1	1.33	1.34
2:1r:200:LEU:CD1	2:3r:200:LEU:HD22	1.54	1.34
2:1s:259:VAL:CG2	2:3s:259:VAL:N	1.75	1.34
2:5k:263:VAL:HG21	2:6s:256:ALA:CB	1.53	1.34
2:8w:259:VAL:CG1	2:9I:259:VAL:HA	0.98	1.34
2:9M:274:LYS:NZ	2:9J:251:VAL:O	1.59	1.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:278:ILE:CG2	2:9J:278:ILE:CD1	1.85	1.34
2:1e:247:LYS:CD	2:2Z:239:THR:HG23	1.56	1.34
2:1g:269:LEU:HG	2:3g:269:LEU:CD2	1.53	1.34
2:2a:226:ILE:CG2	2:3f:222:LEU:CB	2.03	1.34
2:2a:239:THR:HG22	2:3f:247:LYS:C	0.91	1.34
2:1j:200:LEU:CD1	2:3j:200:LEU:HD22	1.54	1.34
2:2f:242:LEU:HB3	2:3j:244:GLY:CA	1.53	1.34
2:1o:279:ILE:HA	2:3o:248:GLY:C	1.51	1.34
2:2k:227:GLY:CA	2:3n:223:ARG:HH11	1.40	1.34
2:2p:239:THR:HG22	2:3r:247:LYS:C	0.91	1.34
2:5k:245:VAL:C	2:7o:242:LEU:CD2	1.96	1.34
2:8w:240:THR:C	2:9I:246:LYS:HZ1	1.35	1.34
2:8y:244:GLY:HA3	2:9J:242:LEU:CB	1.55	1.34
2:9M:201:VAL:N	2:9J:193:LYS:HD3	1.38	1.34
1:8A:446:ALA:O	2:8e:56:ASN:N	1.60	1.34
2:1g:267:ASN:ND2	2:3g:254:SER:CB	1.89	1.34
2:2b:223:ARG:HD3	2:3e:227:GLY:C	1.52	1.34
2:1k:280:SER:N	2:3k:248:GLY:O	1.60	1.34
2:2f:239:THR:CB	2:3j:247:LYS:O	1.75	1.34
2:2g:120:ILE:HD13	2:4g:120:ILE:CD1	1.55	1.34
2:8k:226:ILE:O	2:9G:219:LYS:HB3	1.17	1.34
2:8k:259:VAL:CG1	2:9G:259:VAL:HA	0.98	1.34
2:8m:244:GLY:HA3	2:9H:242:LEU:CB	1.56	1.34
2:2j:232:TYR:HD2	2:1t:232:TYR:CE1	1.46	1.34
2:6o:238:THR:O	2:7j:246:LYS:HA	1.25	1.34
2:1q:247:LYS:CD	2:2o:239:THR:HG23	1.56	1.34
2:2q:120:ILE:HD13	2:4k:120:ILE:CD1	1.55	1.34
2:6q:252:THR:O	2:9K:270:ILE:HD13	1.24	1.34
2:2v:223:ARG:HD3	2:3u:227:GLY:C	1.52	1.34
2:6g:227:GLY:C	2:7Z:223:ARG:HD3	1.48	1.34
2:1o:267:ASN:OD1	2:3o:254:SER:N	1.57	1.34
2:3n:97:TYR:O	2:3n:110:LEU:HB2	1.26	1.34
2:8q:274:LYS:NZ	2:9H:251:VAL:O	1.59	1.34
2:8t:242:LEU:HD22	2:7s:244:GLY:CA	1.54	1.34
2:2o:246:LYS:HA	2:1x:238:THR:O	1.23	1.34
2:3r:97:TYR:O	2:3r:110:LEU:HB2	1.26	1.34
2:8w:232:TYR:CD1	2:9I:232:TYR:O	1.79	1.34
2:8x:97:TYR:O	2:8x:110:LEU:HB2	1.26	1.34
1:7G:446:ALA:HB1	2:7g:41:TYR:CD2	1.63	1.33
1:7H:26:ASN:OD1	2:8h:52:LEU:CD1	1.76	1.33
2:2a:242:LEU:HB3	2:3f:244:GLY:CA	1.53	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:209:LEU:CG	2:2w:206:VAL:HG22	1.59	1.33
2:6e:269:LEU:CD2	2:8i:269:LEU:CD2	2.06	1.33
2:8e:226:ILE:CA	2:9F:219:LYS:HG2	1.42	1.33
2:6j:247:LYS:O	2:7k:239:THR:HG22	1.18	1.33
2:8m:246:LYS:CB	2:9H:239:THR:O	1.73	1.33
2:2l:219:LYS:HG2	2:3m:225:MET:O	1.27	1.33
2:6n:97:TYR:O	2:6n:110:LEU:HB2	1.26	1.33
1:1V:443:SER:HA	2:1t:56:ASN:ND2	1.39	1.33
1:1d:356:PRO:HG2	1:1d:369:PHE:CD2	1.54	1.33
2:2a:239:THR:CB	2:3f:247:LYS:O	1.75	1.33
2:8e:201:VAL:N	2:9F:193:LYS:HD3	1.38	1.33
2:9F:239:THR:O	2:9O:246:LYS:CB	1.74	1.33
2:2k:239:THR:HG22	2:3n:247:LYS:C	0.91	1.33
2:2l:234:LEU:HD23	2:3m:242:LEU:O	1.29	1.33
2:2o:232:TYR:HD2	2:1x:232:TYR:CE1	1.46	1.33
2:1u:247:LYS:CG	2:2t:239:THR:CG2	1.78	1.33
2:1u:247:LYS:CD	2:2t:239:THR:HG23	1.56	1.33
2:2u:228:ALA:HB1	2:3v:228:ALA:CB	1.58	1.33
1:2X:443:SER:O	2:2t:45:LYS:NZ	1.60	1.33
2:1g:279:ILE:HA	2:3g:248:GLY:C	1.51	1.33
2:2f:239:THR:HG22	2:3j:247:LYS:C	0.91	1.33
2:8s:244:GLY:HA3	2:9I:242:LEU:CB	1.55	1.33
2:8s:246:LYS:CB	2:9I:239:THR:O	1.74	1.33
2:1s:267:ASN:CG	2:3s:254:SER:HB3	1.52	1.33
2:2p:239:THR:N	2:3r:247:LYS:CB	1.84	1.33
2:6w:238:THR:O	2:7t:246:LYS:HA	1.25	1.33
2:9Q:97:TYR:O	2:9Q:110:LEU:HB2	1.26	1.33
2:1g:259:VAL:CG2	2:3g:259:VAL:N	1.75	1.33
2:1o:267:ASN:ND2	2:3o:254:SER:CB	1.89	1.33
2:6o:226:ILE:CG2	2:7j:222:LEU:HD13	1.57	1.33
2:8q:226:ILE:CA	2:9H:219:LYS:HG2	1.42	1.33
2:8q:259:VAL:CG1	2:9H:259:VAL:HA	0.98	1.33
2:8s:259:VAL:CG1	2:8w:257:THR:C	1.97	1.33
2:1q:247:LYS:CG	2:2o:239:THR:HG23	1.08	1.33
2:6q:265:ASP:CB	2:9K:266:LEU:HD21	1.59	1.33
2:2v:120:ILE:HD13	2:4m:120:ILE:CD1	1.55	1.33
2:6u:269:LEU:CD2	2:9Q:269:LEU:CD2	2.06	1.33
2:6k:226:ILE:CG2	2:7e:222:LEU:HD13	1.57	1.33
2:8m:247:LYS:CB	2:9H:239:THR:CG2	2.06	1.33
2:8n:242:LEU:HD22	2:7n:244:GLY:CA	1.54	1.33
2:8s:227:GLY:O	2:8w:231:PRO:HD3	1.25	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:247:LYS:CB	2:9J:239:THR:HG23	1.32	1.33
2:1w:279:ILE:HA	2:3w:248:GLY:C	1.51	1.33
2:9M:232:TYR:CD1	2:9J:232:TYR:O	1.79	1.33
1:1T:448:ALA:CB	2:1r:41:TYR:CD1	2.12	1.32
1:2R:447:GLN:O	2:2p:41:TYR:CE1	1.81	1.32
2:2Z:246:LYS:HA	2:1l:238:THR:O	1.23	1.32
2:2b:232:TYR:HD2	2:3e:232:TYR:CE1	1.45	1.32
2:6h:97:TYR:O	2:6h:110:LEU:HB2	1.26	1.32
2:6l:97:TYR:O	2:6l:110:LEU:HB2	1.26	1.32
2:8m:223:ARG:HG3	2:9H:226:ILE:O	1.23	1.32
2:8q:280:SER:HB2	2:9H:249:ALA:CA	1.42	1.32
2:1s:279:ILE:HA	2:3s:248:GLY:C	1.51	1.32
2:2q:232:TYR:HD2	2:3q:232:TYR:CE1	1.45	1.32
2:1w:97:TYR:O	2:1w:110:LEU:HB2	1.26	1.32
2:2u:239:THR:CB	2:3v:247:LYS:O	1.75	1.32
2:6w:226:ILE:CG2	2:7t:222:LEU:HD13	1.57	1.32
1:1F:356:PRO:HG2	1:1F:369:PHE:CD2	1.54	1.32
1:2F:28:GLN:HE21	2:1p:27:ILE:CD1	1.42	1.32
2:2Z:232:TYR:HD2	2:1l:232:TYR:CE1	1.46	1.32
2:2a:227:GLY:CA	2:3f:223:ARG:HH11	1.40	1.32
2:8i:97:TYR:O	2:8i:110:LEU:HB2	1.26	1.32
2:9F:239:THR:CG2	2:9O:247:LYS:CB	2.06	1.32
2:2h:206:VAL:HG22	2:3p:209:LEU:CG	1.58	1.32
2:2l:232:TYR:HD2	2:3m:232:TYR:CE1	1.45	1.32
2:2m:206:VAL:HG22	2:3t:209:LEU:CG	1.58	1.32
2:5i:97:TYR:O	2:5i:110:LEU:HB2	1.26	1.32
2:6m:247:LYS:HE3	2:8u:277:GLY:O	1.20	1.32
2:2q:236:ALA:HA	2:3q:242:LEU:CD2	1.60	1.32
2:2r:206:VAL:HG22	2:3x:209:LEU:CG	1.58	1.32
2:2v:232:TYR:HD2	2:3u:232:TYR:CE1	1.45	1.32
2:5e:279:ILE:CD1	2:6g:251:VAL:HG13	1.56	1.32
2:2g:236:ALA:HA	2:3i:242:LEU:CD2	1.60	1.32
2:6k:227:GLY:O	2:7e:223:ARG:HD3	1.30	1.32
2:6k:238:THR:O	2:7e:246:LYS:HA	1.24	1.32
2:6m:265:ASP:CB	2:8u:266:LEU:HD21	1.59	1.32
2:8w:278:ILE:CG2	2:9I:278:ILE:CG1	2.06	1.32
1:1R:356:PRO:HG3	1:1R:369:PHE:CD2	1.58	1.32
1:8b:447:GLN:HG2	2:9Q:44:VAL:CG2	1.58	1.32
2:6g:226:ILE:CG2	2:7Z:222:LEU:HD13	1.57	1.32
2:8k:279:ILE:CA	2:9G:248:GLY:HA3	1.46	1.32
2:1o:280:SER:N	2:3o:248:GLY:O	1.60	1.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:274:LYS:NZ	2:9I:251:VAL:O	1.59	1.32
2:1w:267:ASN:CG	2:3w:254:SER:HB3	1.52	1.32
2:2u:239:THR:HG22	2:3v:247:LYS:C	0.91	1.32
2:1h:232:TYR:CE1	2:2t:232:TYR:HD2	1.46	1.32
2:6g:280:SER:OG	2:7Z:247:LYS:HG2	1.23	1.32
2:8e:274:LYS:NZ	2:9F:251:VAL:O	1.59	1.32
2:1k:267:ASN:CG	2:3k:254:SER:CB	2.02	1.32
2:2e:232:TYR:HD2	2:1p:232:TYR:CE1	1.46	1.32
2:1o:267:ASN:CG	2:3o:254:SER:CB	2.02	1.32
2:2k:239:THR:CB	2:3n:247:LYS:O	1.75	1.32
2:2k:242:LEU:HB3	2:3n:244:GLY:CA	1.53	1.32
2:8q:278:ILE:CG2	2:9H:278:ILE:CG1	2.06	1.32
2:2p:227:GLY:CA	2:3r:223:ARG:HH11	1.40	1.32
2:2p:239:THR:CB	2:3r:247:LYS:O	1.75	1.32
1:5E:199:LYS:CG	1:5E:202:GLU:HG3	1.60	1.31
1:5c:199:LYS:CG	1:5c:202:GLU:HG3	1.60	1.31
2:2c:206:VAL:HG22	2:3l:209:LEU:CG	1.59	1.31
2:1k:229:GLY:CA	2:3k:231:PRO:HG3	1.59	1.31
2:1k:267:ASN:OD1	2:3k:254:SER:N	1.57	1.31
2:2f:228:ALA:HB1	2:3j:228:ALA:CB	1.58	1.31
2:2f:239:THR:CG2	2:3j:247:LYS:O	1.68	1.31
2:6i:269:LEU:CD2	2:8o:269:LEU:CD2	2.06	1.31
2:8k:274:LYS:NZ	2:9G:251:VAL:O	1.59	1.31
2:7r:251:VAL:CG1	2:9L:279:ILE:CD1	2.08	1.31
2:6u:265:ASP:CB	2:9Q:266:LEU:HD21	1.59	1.31
2:9M:226:ILE:O	2:9J:219:LYS:HB3	1.17	1.31
1:1F:356:PRO:CG	1:1F:369:PHE:HD2	1.30	1.31
1:5F:422:THR:CB	1:5F:427:LYS:HG3	1.61	1.31
1:5Y:208:GLY:O	1:5Y:212:GLU:HG2	1.30	1.31
1:8c:445:GLY:O	2:9P:44:VAL:HG22	1.29	1.31
2:1g:229:GLY:CA	2:3g:231:PRO:HG3	1.59	1.31
2:1g:267:ASN:CG	2:3g:254:SER:CB	2.02	1.31
2:3h:97:TYR:O	2:3h:110:LEU:HB2	1.26	1.31
2:6g:227:GLY:O	2:7Z:223:ARG:HD3	1.30	1.31
2:1k:267:ASN:CG	2:3k:254:SER:HB3	1.52	1.31
2:5g:97:TYR:O	2:5g:110:LEU:HB2	1.26	1.31
2:2k:239:THR:CG2	2:3n:247:LYS:O	1.68	1.31
2:6m:269:LEU:CD2	2:8u:269:LEU:CD2	2.06	1.31
2:6o:227:GLY:O	2:7j:223:ARG:HD3	1.30	1.31
2:8q:229:GLY:CA	2:9H:231:PRO:CD	2.09	1.31
2:8q:232:TYR:CG	2:9H:232:TYR:HB3	1.22	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3t:97:TYR:O	2:3t:110:LEU:HB2	1.26	1.31
2:6s:238:THR:O	2:7o:246:LYS:HA	1.24	1.31
2:8w:237:ALA:HB1	2:9I:245:VAL:C	1.47	1.31
1:5F:446:ALA:HB1	2:5f:56:ASN:CB	1.58	1.31
1:1d:356:PRO:HG3	1:1d:369:PHE:CD2	1.58	1.31
2:1o:229:GLY:CA	2:3o:231:PRO:HG3	1.59	1.31
2:2j:234:LEU:HD23	2:1t:242:LEU:O	1.26	1.31
2:8q:278:ILE:CG2	2:9H:278:ILE:CD1	1.85	1.31
2:2p:242:LEU:CD1	2:3r:235:PRO:C	2.04	1.31
2:6q:269:LEU:CD2	2:9K:269:LEU:CD2	2.06	1.31
2:6w:242:LEU:CD2	2:7t:236:ALA:HA	1.61	1.31
2:9M:280:SER:HB2	2:9J:249:ALA:CA	1.42	1.31
1:7G:446:ALA:HB1	2:7g:41:TYR:CE2	1.48	1.31
2:1g:280:SER:N	2:3g:248:GLY:O	1.60	1.31
2:2a:242:LEU:CD1	2:3f:235:PRO:C	2.04	1.31
2:8m:235:PRO:C	2:9H:242:LEU:HD13	1.47	1.31
2:1n:247:LYS:HB2	2:3n:238:THR:C	1.56	1.31
2:1s:267:ASN:CG	2:3s:254:SER:CB	2.02	1.31
2:1s:280:SER:N	2:3s:248:GLY:O	1.60	1.31
2:1w:267:ASN:CG	2:3w:254:SER:CB	2.02	1.31
2:1w:280:SER:N	2:3w:248:GLY:O	1.60	1.31
2:2u:227:GLY:CA	2:3v:223:ARG:HH11	1.40	1.31
2:2v:234:LEU:HD23	2:3u:242:LEU:O	1.29	1.31
1:1L:356:PRO:HG3	1:1L:369:PHE:CD2	1.58	1.31
1:5G:208:GLY:O	1:5G:212:GLU:HG2	1.30	1.31
1:3a:208:GLY:O	1:3a:212:GLU:HG2	1.22	1.31
2:1g:97:TYR:O	2:1g:110:LEU:HB2	1.26	1.31
2:1g:263:VAL:HG13	2:3g:254:SER:OG	1.18	1.31
2:1k:259:VAL:CG2	2:3k:259:VAL:N	1.75	1.31
2:1k:279:ILE:HA	2:3k:248:GLY:C	1.51	1.31
2:2f:242:LEU:CD1	2:3j:235:PRO:C	2.04	1.31
2:6i:265:ASP:CB	2:8o:266:LEU:HD21	1.59	1.31
2:2k:242:LEU:CD1	2:3n:235:PRO:C	2.04	1.31
2:6s:226:ILE:CG2	2:7o:222:LEU:HD13	1.57	1.31
1:5R:422:THR:CB	1:5R:427:LYS:HG3	1.61	1.30
2:6e:265:ASP:CB	2:8i:266:LEU:HD21	1.59	1.30
2:7a:120:ILE:CD1	2:6v:120:ILE:HD11	1.61	1.30
2:8g:228:ALA:CB	2:9G:228:ALA:HB1	1.60	1.30
2:1j:247:LYS:HB2	2:3j:238:THR:C	1.56	1.30
2:8k:278:ILE:CG2	2:9G:278:ILE:CG1	2.06	1.30
2:6o:242:LEU:CD2	2:7j:236:ALA:HA	1.61	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8r:97:TYR:O	2:8r:110:LEU:HB2	1.26	1.30
2:6r:120:ILE:HD11	2:7u:120:ILE:CD1	1.61	1.30
2:6s:227:GLY:O	2:7o:223:ARG:HD3	1.30	1.30
2:2u:242:LEU:CD1	2:3v:235:PRO:C	2.04	1.30
2:9M:279:ILE:CG2	2:9J:273:LEU:HD23	1.61	1.30
1:8B:447:GLN:HG2	2:8f:44:VAL:CG2	1.59	1.30
1:5L:422:THR:CB	1:5L:427:LYS:HG3	1.61	1.30
1:5X:422:THR:CB	1:5X:427:LYS:HG3	1.61	1.30
1:2Y:447:GLN:C	2:2x:41:TYR:CE1	1.93	1.30
2:2a:228:ALA:HB1	2:3f:228:ALA:CB	1.58	1.30
2:7c:251:VAL:CG1	2:8j:279:ILE:CD1	2.08	1.30
2:8e:279:ILE:CG2	2:9F:273:LEU:HD23	1.61	1.30
2:2f:239:THR:N	2:3j:247:LYS:CB	1.84	1.30
2:6k:242:LEU:CD2	2:7e:236:ALA:HA	1.61	1.30
2:8m:228:ALA:CB	2:9H:228:ALA:HB1	1.60	1.30
2:8o:97:TYR:O	2:8o:110:LEU:HB2	1.26	1.30
2:1o:263:VAL:HG13	2:3o:254:SER:OG	1.18	1.30
2:8s:223:ARG:HG3	2:9I:226:ILE:O	1.23	1.30
2:1s:229:GLY:CA	2:3s:231:PRO:HG3	1.59	1.30
2:2s:259:VAL:HG22	2:3w:259:VAL:CG2	1.62	1.30
2:8y:247:LYS:CB	2:9J:239:THR:CG2	2.06	1.30
2:1v:247:LYS:CB	2:3v:239:THR:CA	1.89	1.30
1:4W:199:LYS:HB3	1:4W:202:GLU:OE2	1.25	1.30
1:5W:199:LYS:CG	1:5W:202:GLU:HG3	1.60	1.30
1:5d:422:THR:CB	1:5d:427:LYS:HG3	1.61	1.30
2:8g:227:GLY:O	2:8k:231:PRO:HD3	1.25	1.30
2:1k:97:TYR:O	2:1k:110:LEU:HB2	1.26	1.30
2:8k:279:ILE:CG2	2:9G:273:LEU:HD23	1.61	1.30
2:2k:228:ALA:HB1	2:3n:228:ALA:CB	1.58	1.30
2:7m:251:VAL:CG1	2:8v:279:ILE:CD1	2.08	1.30
2:8w:229:GLY:CA	2:9I:231:PRO:CD	2.09	1.30
2:1w:267:ASN:OD1	2:3w:254:SER:N	1.57	1.30
2:2v:236:ALA:HA	2:3u:242:LEU:CD2	1.60	1.30
1:2I:443:SER:O	2:2e:45:LYS:NZ	1.63	1.30
1:5K:199:LYS:CG	1:5K:202:GLU:HG3	1.60	1.30
1:8V:448:ALA:CB	2:9K:41:TYR:HD2	1.44	1.30
2:1f:247:LYS:HB2	2:3f:238:THR:C	1.56	1.30
2:2c:242:LEU:CD2	2:3l:244:GLY:O	1.78	1.30
2:3g:259:VAL:CG2	2:2x:259:VAL:HG22	1.62	1.30
2:3h:235:PRO:C	2:2w:242:LEU:HD11	1.38	1.30
2:6e:252:THR:O	2:8i:270:ILE:HD13	1.24	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:229:GLY:CA	2:9F:231:PRO:CD	2.09	1.30
2:8e:231:PRO:HD3	2:9O:227:GLY:O	1.25	1.30
2:2n:259:VAL:HG22	2:3s:259:VAL:CG2	1.62	1.30
2:8s:228:ALA:CB	2:9I:228:ALA:HB1	1.60	1.30
2:8w:226:ILE:CA	2:9I:219:LYS:HG2	1.42	1.30
2:2u:206:VAL:CG1	2:3v:210:LEU:HD23	1.62	1.30
1:4d:448:ALA:CB	2:4n:41:TYR:CE1	2.15	1.30
2:1h:242:LEU:O	2:2t:234:LEU:HD23	1.26	1.30
2:2d:259:VAL:HG22	2:3k:259:VAL:CG2	1.62	1.30
2:6e:265:ASP:HB3	2:8i:266:LEU:CD2	1.62	1.30
2:6f:120:ILE:HD11	2:7f:120:ILE:CD1	1.61	1.30
2:1i:97:TYR:O	2:1i:110:LEU:HB2	1.26	1.30
2:8k:229:GLY:CA	2:9G:231:PRO:CD	2.09	1.30
2:1o:266:LEU:CD1	2:3o:266:LEU:CA	2.05	1.30
2:2l:236:ALA:HA	2:3m:242:LEU:CD2	1.60	1.30
2:8s:247:LYS:CB	2:9I:239:THR:CG2	2.06	1.30
2:1s:263:VAL:HG13	2:3s:254:SER:OG	1.18	1.30
2:2p:228:ALA:HB1	2:3r:228:ALA:CB	1.58	1.30
2:6s:242:LEU:CD2	2:7o:236:ALA:HA	1.61	1.30
2:6u:254:SER:O	2:9Q:267:ASN:ND2	1.64	1.30
1:3I:444:GLY:O	2:3l:45:LYS:HD2	1.17	1.29
2:2b:236:ALA:HA	2:3e:242:LEU:CD2	1.60	1.29
2:8e:232:TYR:CG	2:9F:232:TYR:CB	2.05	1.29
2:8g:97:TYR:O	2:8g:110:LEU:HB2	1.26	1.29
2:6n:120:ILE:HD11	2:7p:120:ILE:CD1	1.61	1.29
2:8q:232:TYR:CG	2:9H:232:TYR:CB	2.05	1.29
2:1q:247:LYS:CG	2:2o:239:THR:CG2	1.78	1.29
2:1r:247:LYS:HB2	2:3r:238:THR:C	1.56	1.29
2:4k:97:TYR:O	2:4k:110:LEU:HB2	1.26	1.29
2:8w:232:TYR:CG	2:9I:232:TYR:HB3	1.22	1.29
2:9K:97:TYR:O	2:9K:110:LEU:HB2	1.26	1.29
2:6w:280:SER:OG	2:7t:247:LYS:HG2	1.23	1.29
2:7w:251:VAL:CG1	2:9R:279:ILE:CD1	2.08	1.29
1:8L:448:ALA:HB2	2:8m:41:TYR:CD2	1.68	1.29
1:3U:208:GLY:O	1:3U:212:GLU:HG2	1.22	1.29
1:6Z:443:SER:HA	2:6w:56:ASN:ND2	1.46	1.29
2:1e:97:TYR:O	2:1e:110:LEU:HB2	1.26	1.29
2:6g:242:LEU:CD2	2:7Z:236:ALA:HA	1.61	1.29
2:2i:259:VAL:HG22	2:3o:259:VAL:CG2	1.62	1.29
2:6i:265:ASP:HB3	2:8o:266:LEU:CD2	1.62	1.29
2:2m:242:LEU:CD2	2:3t:244:GLY:O	1.78	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:279:ILE:CD1	2:6o:251:VAL:HG13	1.56	1.29
2:6m:265:ASP:HB3	2:8u:266:LEU:CD2	1.62	1.29
2:8q:279:ILE:CG2	2:9H:273:LEU:HD23	1.61	1.29
2:2p:206:VAL:CG1	2:3r:210:LEU:HD23	1.62	1.29
2:6q:265:ASP:HB3	2:9K:266:LEU:CD2	1.62	1.29
2:5m:279:ILE:CD1	2:6w:251:VAL:HG13	1.56	1.29
2:6u:265:ASP:CB	2:9Q:266:LEU:CD2	2.10	1.29
2:6w:242:LEU:CD1	2:7t:236:ALA:N	1.96	1.29
2:9N:97:TYR:O	2:9N:110:LEU:HB2	1.26	1.29
1:2C:443:SER:O	2:2a:45:LYS:NZ	1.64	1.29
1:7C:446:ALA:CB	2:7a:41:TYR:HE2	1.40	1.29
1:1I:444:GLY:CA	2:1k:45:LYS:HD2	1.62	1.29
1:6R:447:GLN:NE2	2:6m:56:ASN:ND2	1.80	1.29
2:2a:239:THR:N	2:3f:247:LYS:CB	1.84	1.29
2:3h:244:GLY:O	2:2w:242:LEU:CD2	1.77	1.29
2:6e:265:ASP:CB	2:8i:266:LEU:CD2	2.10	1.29
2:8e:232:TYR:CB	2:9F:232:TYR:CB	2.11	1.29
2:2g:219:LYS:HG2	2:3i:225:MET:O	1.27	1.29
2:6j:97:TYR:O	2:6j:110:LEU:HB2	1.26	1.29
2:8w:229:GLY:CA	2:9I:231:PRO:HD3	1.63	1.29
2:8y:228:ALA:CB	2:9J:228:ALA:HB1	1.60	1.29
2:8e:226:ILE:O	2:9F:219:LYS:HB3	1.17	1.29
2:8e:229:GLY:CA	2:9F:231:PRO:HG3	1.63	1.29
2:9F:228:ALA:HB1	2:9O:228:ALA:CB	1.60	1.29
2:2g:273:LEU:HD21	2:3i:279:ILE:CG2	1.62	1.29
2:6i:247:LYS:HE3	2:8o:277:GLY:O	1.20	1.29
2:6o:242:LEU:O	2:7j:234:LEU:HD23	1.11	1.29
2:8q:229:GLY:CA	2:9H:231:PRO:HD3	1.62	1.29
2:1r:247:LYS:CB	2:3r:239:THR:CA	1.89	1.29
2:1s:267:ASN:OD1	2:3s:254:SER:N	1.57	1.29
2:1s:273:LEU:HD12	2:3s:269:LEU:CD1	1.63	1.29
2:3x:97:TYR:O	2:3x:110:LEU:HB2	1.26	1.29
2:6w:227:GLY:O	2:7t:223:ARG:HD3	1.30	1.29
2:6w:242:LEU:CD1	2:7t:235:PRO:C	2.06	1.29
2:9M:240:THR:C	2:9J:246:LYS:NZ	1.91	1.29
1:5W:442:ALA:O	2:5k:45:LYS:NZ	1.60	1.29
1:1Z:448:ALA:HB3	2:1v:41:TYR:CD1	1.65	1.29
2:1h:238:THR:O	2:2t:246:LYS:HA	1.23	1.29
2:2a:206:VAL:CG1	2:3f:210:LEU:HD23	1.62	1.29
2:2a:239:THR:CG2	2:3f:247:LYS:O	1.68	1.29
2:4e:97:TYR:O	2:4e:110:LEU:HB2	1.26	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:229:GLY:CA	2:9G:231:PRO:HG3	1.63	1.29
2:8m:227:GLY:O	2:8q:231:PRO:HD3	1.25	1.29
2:1o:273:LEU:HD12	2:3o:269:LEU:CD1	1.62	1.29
2:6m:254:SER:O	2:8u:267:ASN:ND2	1.64	1.29
2:8w:279:ILE:CG2	2:9I:273:LEU:HD23	1.61	1.29
2:1u:97:TYR:O	2:1u:110:LEU:HB2	1.26	1.29
2:6u:258:ASP:N	2:9Q:259:VAL:CG1	1.91	1.29
2:9M:229:GLY:CA	2:9J:231:PRO:HD3	1.62	1.29
2:9M:232:TYR:CB	2:9J:232:TYR:CB	2.11	1.29
1:1F:356:PRO:HG3	1:1F:369:PHE:CD2	1.58	1.28
1:7E:448:ALA:HB2	2:7c:60:LEU:CD1	1.63	1.28
1:3I:208:GLY:O	1:3I:212:GLU:HG2	1.22	1.28
1:3V:443:SER:CB	2:3s:56:ASN:ND2	1.96	1.28
1:3a:447:GLN:NE2	2:3x:56:ASN:HD22	1.27	1.28
2:6g:238:THR:O	2:7Z:246:LYS:HA	1.25	1.28
2:6g:242:LEU:CD1	2:7Z:235:PRO:C	2.06	1.28
2:8g:223:ARG:HG3	2:9G:226:ILE:O	1.23	1.28
2:6k:242:LEU:CD1	2:7e:236:ALA:N	1.96	1.28
2:7h:251:VAL:CG1	2:8p:279:ILE:CD1	2.08	1.28
2:6m:265:ASP:CB	2:8u:266:LEU:CD2	2.10	1.28
2:6o:242:LEU:CD1	2:7j:236:ALA:N	1.96	1.28
2:1s:279:ILE:CG2	2:3s:272:VAL:HG12	1.59	1.28
2:6r:97:TYR:O	2:6r:110:LEU:HB2	1.26	1.28
2:1w:229:GLY:CA	2:3w:231:PRO:HG3	1.59	1.28
2:9M:232:TYR:CG	2:9J:232:TYR:HB3	1.22	1.28
1:5L:447:GLN:HG2	2:5h:44:VAL:CG1	1.62	1.28
1:6N:443:SER:HA	2:6o:56:ASN:ND2	1.43	1.28
1:6W:445:GLY:CA	2:6r:44:VAL:HB	1.62	1.28
1:8V:448:ALA:HB3	2:9K:41:TYR:CD2	1.66	1.28
1:8c:445:GLY:C	2:9P:44:VAL:CG2	2.06	1.28
1:8d:443:SER:HA	2:9O:45:LYS:NZ	0.98	1.28
2:6e:254:SER:O	2:8i:267:ASN:ND2	1.64	1.28
2:8e:240:THR:C	2:9F:246:LYS:NZ	1.91	1.28
2:6k:242:LEU:CD1	2:7e:235:PRO:C	2.06	1.28
2:1o:267:ASN:CG	2:3o:254:SER:HB3	1.52	1.28
2:8q:226:ILE:O	2:9H:219:LYS:HB3	1.17	1.28
1:8L:443:SER:HA	2:8m:45:LYS:NZ	0.99	1.28
1:1R:356:PRO:HG2	1:1R:369:PHE:CD2	1.54	1.28
1:3O:447:GLN:HG2	2:3p:44:VAL:CG2	1.63	1.28
1:4Q:199:LYS:HB3	1:4Q:202:GLU:OE2	1.25	1.28
1:7K:447:GLN:C	2:7n:41:TYR:CE1	1.91	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:237:ALA:HB1	2:9F:245:VAL:C	1.47	1.28
2:6i:254:SER:O	2:8o:267:ASN:ND2	1.64	1.28
2:6k:280:SER:OG	2:7e:247:LYS:HG2	1.23	1.28
2:8q:240:THR:C	2:9H:246:LYS:NZ	1.91	1.28
2:1v:247:LYS:HB2	2:3v:238:THR:C	1.56	1.28
2:9M:229:GLY:CA	2:9J:231:PRO:HG3	1.63	1.28
1:4E:199:LYS:HB3	1:4E:202:GLU:OE2	1.25	1.28
1:7C:447:GLN:C	2:7a:41:TYR:CE1	1.89	1.28
1:1O:444:GLY:HA2	2:1o:45:LYS:CD	1.64	1.28
1:3O:208:GLY:O	1:3O:212:GLU:HG2	1.22	1.28
1:5Q:199:LYS:CG	1:5Q:202:GLU:HG3	1.60	1.28
2:2a:239:THR:HG22	2:3f:247:LYS:O	1.25	1.28
2:2b:219:LYS:HG2	2:3e:225:MET:O	1.27	1.28
2:6g:242:LEU:HD11	2:7Z:236:ALA:N	1.49	1.28
2:9F:242:LEU:HD11	2:9O:236:ALA:CA	1.64	1.28
2:2e:246:LYS:HA	2:1p:238:THR:O	1.23	1.28
2:8m:97:TYR:O	2:8m:110:LEU:HB2	1.26	1.28
2:1o:266:LEU:HD21	2:3o:265:ASP:CA	1.63	1.28
2:2m:242:LEU:HD11	2:3t:235:PRO:C	1.38	1.28
2:8s:236:ALA:CA	2:9I:242:LEU:HD11	1.64	1.28
2:8y:227:GLY:O	2:9M:231:PRO:HD3	1.25	1.28
2:2v:246:LYS:CA	2:3u:238:THR:O	1.81	1.28
2:6u:247:LYS:HE3	2:9Q:277:GLY:O	1.20	1.28
2:6x:97:TYR:O	2:6x:110:LEU:HB2	1.26	1.28
2:9M:278:ILE:CG2	2:9J:278:ILE:CG1	2.06	1.28
2:9O:97:TYR:O	2:9O:110:LEU:HB2	1.26	1.28
1:8W:448:ALA:O	2:8z:60:LEU:HD12	1.34	1.28
2:1g:273:LEU:HD12	2:3g:269:LEU:CD1	1.63	1.28
2:6g:242:LEU:CD1	2:7Z:236:ALA:N	1.96	1.28
2:8e:229:GLY:CA	2:9F:231:PRO:HD3	1.63	1.28
2:2q:246:LYS:CA	2:3q:238:THR:O	1.81	1.28
2:6q:265:ASP:CB	2:9K:266:LEU:CD2	2.10	1.28
2:6s:242:LEU:CD1	2:7o:235:PRO:C	2.06	1.28
2:6s:242:LEU:CD1	2:7o:236:ALA:N	1.96	1.28
2:6u:252:THR:O	2:9Q:270:ILE:HD13	1.24	1.28
2:6w:242:LEU:HD11	2:7t:236:ALA:N	1.49	1.28
1:3C:447:GLN:NE2	2:3h:56:ASN:HD22	1.32	1.27
1:7O:446:ALA:HB1	2:7m:41:TYR:CD2	1.68	1.27
1:7W:446:ALA:HB1	2:7u:41:TYR:CE2	1.10	1.27
2:1g:266:LEU:HD21	2:3g:265:ASP:CA	1.63	1.27
2:8g:200:LEU:CD1	2:9G:200:LEU:HD22	1.64	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:200:LEU:HD22	2:9O:200:LEU:CD1	1.65	1.27
2:9F:200:LEU:CD2	2:9O:200:LEU:HD11	1.64	1.27
2:1k:273:LEU:HD12	2:3k:269:LEU:CD1	1.63	1.27
2:8k:229:GLY:CA	2:9G:231:PRO:HD3	1.62	1.27
2:6n:247:LYS:O	2:7p:239:THR:HG22	1.19	1.27
2:5k:97:TYR:O	2:5k:110:LEU:HB2	1.26	1.27
2:6t:97:TYR:O	2:6t:110:LEU:HB2	1.26	1.27
2:8w:232:TYR:CB	2:9I:232:TYR:CB	2.11	1.27
2:8w:243:GLY:HA2	2:9I:234:LEU:CD2	1.64	1.27
2:2u:239:THR:N	2:3v:247:LYS:CB	1.84	1.27
1:1L:356:PRO:CG	1:1L:369:PHE:HD2	1.31	1.27
1:2F:28:GLN:NE2	2:1p:27:ILE:HD12	1.49	1.27
1:1Z:448:ALA:HB3	2:1v:41:TYR:CE1	1.69	1.27
1:5c:445:GLY:CA	2:5m:44:VAL:HB	1.62	1.27
2:8g:200:LEU:HD11	2:9G:200:LEU:CD2	1.64	1.27
2:2g:232:TYR:CD2	2:3i:232:TYR:CE1	2.21	1.27
2:8k:232:TYR:CB	2:9G:232:TYR:CB	2.10	1.27
2:4i:97:TYR:O	2:4i:110:LEU:HB2	1.26	1.27
2:8q:229:GLY:CA	2:9H:231:PRO:HG3	1.63	1.27
2:2q:273:LEU:HD21	2:3q:279:ILE:CG2	1.62	1.27
2:6q:254:SER:O	2:9K:267:ASN:ND2	1.64	1.27
2:2u:242:LEU:HD11	2:3v:236:ALA:N	1.48	1.27
1:8E:445:GLY:O	2:8h:44:VAL:HG22	1.18	1.27
1:6W:442:ALA:O	2:6r:45:LYS:NZ	1.65	1.27
2:8e:278:ILE:CG2	2:9F:278:ILE:CG1	2.06	1.27
2:1k:263:VAL:HG13	2:3k:254:SER:OG	1.18	1.27
2:2q:232:TYR:CD2	2:3q:232:TYR:CE1	2.21	1.27
2:6s:280:SER:OG	2:7o:247:LYS:HG2	1.23	1.27
2:8w:229:GLY:CA	2:9I:231:PRO:HG3	1.63	1.27
2:2v:232:TYR:CD2	2:3u:232:TYR:CE1	2.21	1.27
2:3v:97:TYR:O	2:3v:110:LEU:HB2	1.26	1.27
1:5F:446:ALA:HA	2:5f:56:ASN:N	1.47	1.27
1:4L:448:ALA:CB	2:4h:41:TYR:CE1	2.17	1.27
2:2Z:234:LEU:HD23	2:1l:242:LEU:O	1.26	1.27
2:2g:120:ILE:CD1	2:4g:120:ILE:HD11	1.65	1.27
2:3j:97:TYR:O	2:3j:110:LEU:HB2	1.26	1.27
2:6i:265:ASP:CB	2:8o:266:LEU:CD2	2.10	1.27
2:6j:120:ILE:HD11	2:7k:120:ILE:CD1	1.61	1.27
2:6o:242:LEU:CD1	2:7j:235:PRO:C	2.06	1.27
2:6r:242:LEU:HD22	2:5n:244:GLY:O	1.14	1.27
2:8y:200:LEU:CD1	2:9J:200:LEU:HD22	1.64	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:229:GLY:CA	2:9J:231:PRO:CD	2.09	1.27
1:5S:208:GLY:O	1:5S:212:GLU:HG2	1.30	1.27
1:8V:448:ALA:CB	2:9K:41:TYR:CD2	2.16	1.27
2:2b:273:LEU:HD21	2:3e:279:ILE:CG2	1.62	1.27
2:6g:242:LEU:O	2:7Z:234:LEU:HD23	1.11	1.27
2:9F:242:LEU:HD13	2:9O:235:PRO:C	1.47	1.27
2:6k:242:LEU:O	2:7e:234:LEU:HD23	1.12	1.27
2:2k:206:VAL:CG1	2:3n:210:LEU:HD23	1.62	1.27
2:2l:232:TYR:CD2	2:3m:232:TYR:CE1	2.21	1.27
2:6n:242:LEU:HD22	2:5l:244:GLY:O	1.14	1.27
2:6p:97:TYR:O	2:6p:110:LEU:HB2	1.26	1.27
2:8q:232:TYR:CB	2:9H:232:TYR:CB	2.11	1.27
2:1s:97:TYR:O	2:1s:110:LEU:HB2	1.26	1.27
2:2q:120:ILE:CD1	2:4k:120:ILE:HD11	1.65	1.27
2:6r:242:LEU:HD22	2:5n:244:GLY:C	1.60	1.27
2:8w:240:THR:C	2:9I:246:LYS:NZ	1.91	1.27
2:8y:223:ARG:HG3	2:9J:226:ILE:O	1.23	1.27
2:5m:97:TYR:O	2:5m:110:LEU:HB2	1.26	1.27
2:6x:279:ILE:HD12	2:9R:251:VAL:CG1	1.64	1.27
1:5A:208:GLY:O	1:5A:212:GLU:HG2	1.30	1.26
1:1X:356:PRO:HG3	1:1X:369:PHE:CD2	1.58	1.26
1:5X:422:THR:HB	1:5X:427:LYS:CG	1.65	1.26
2:2b:232:TYR:CD2	2:3e:232:TYR:CE1	2.21	1.26
2:5e:97:TYR:O	2:5e:110:LEU:HB2	1.26	1.26
2:8e:243:GLY:HA2	2:9F:234:LEU:CD2	1.64	1.26
2:6j:242:LEU:HD22	2:5j:244:GLY:O	1.14	1.26
2:8m:200:LEU:CD1	2:9H:200:LEU:HD22	1.64	1.26
2:8m:200:LEU:HD11	2:9H:200:LEU:CD2	1.64	1.26
2:8m:236:ALA:CA	2:9H:242:LEU:HD11	1.64	1.26
2:2l:246:LYS:CA	2:3m:238:THR:O	1.81	1.26
2:2q:234:LEU:HD23	2:3q:242:LEU:O	1.29	1.26
2:1w:266:LEU:HD21	2:3w:265:ASP:CA	1.63	1.26
1:6F:447:GLN:C	2:6e:56:ASN:O	1.77	1.26
1:1V:448:ALA:O	2:1t:41:TYR:CE1	1.88	1.26
2:7d:247:LYS:HB3	2:9P:239:THR:CA	1.66	1.26
2:2g:246:LYS:CA	2:3i:238:THR:O	1.81	1.26
2:2l:273:LEU:HD21	2:3m:279:ILE:CG2	1.62	1.26
2:1q:97:TYR:O	2:1q:110:LEU:HB2	1.26	1.26
2:8y:277:GLY:O	2:9M:247:LYS:HE3	1.33	1.26
2:1w:263:VAL:HG13	2:3w:254:SER:OG	1.18	1.26
2:2u:239:THR:HG23	2:3v:247:LYS:CG	1.65	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5L:422:THR:HB	1:5L:427:LYS:CG	1.65	1.26
1:5d:422:THR:HB	1:5d:427:LYS:CG	1.65	1.26
2:5f:244:GLY:O	2:6v:242:LEU:HD22	1.14	1.26
2:8e:279:ILE:CA	2:9F:248:GLY:HA3	1.46	1.26
2:8h:239:THR:CA	2:7i:247:LYS:HB3	1.65	1.26
2:2f:239:THR:HG23	2:3j:247:LYS:CG	1.65	1.26
2:8q:237:ALA:HB1	2:9H:245:VAL:C	1.47	1.26
2:8s:219:LYS:HG2	2:9I:225:MET:O	1.36	1.26
2:8z:239:THR:CA	2:7x:247:LYS:HB3	1.66	1.26
2:2v:219:LYS:HG2	2:3u:225:MET:O	1.27	1.26
2:2v:273:LEU:HD21	2:3u:279:ILE:CG2	1.62	1.26
2:5m:120:ILE:HD11	2:7t:120:ILE:CD1	1.66	1.26
1:6H:445:GLY:O	2:6k:44:VAL:HG22	1.34	1.26
1:3U:442:ALA:C	2:3t:45:LYS:HZ1	1.43	1.26
1:6T:443:SER:C	2:6s:56:ASN:ND2	1.93	1.26
1:9D:446:ALA:O	2:9I:55:VAL:HA	1.08	1.26
1:1b:443:SER:HA	2:1x:56:ASN:ND2	1.47	1.26
2:2a:239:THR:HG23	2:3f:247:LYS:CG	1.65	1.26
2:2b:246:LYS:CA	2:3e:238:THR:O	1.81	1.26
2:5f:244:GLY:C	2:6v:242:LEU:HD22	1.60	1.26
2:1k:266:LEU:HD21	2:3k:265:ASP:CA	1.63	1.26
2:8k:240:THR:C	2:9G:246:LYS:NZ	1.91	1.26
2:8m:219:LYS:HG2	2:9H:225:MET:O	1.36	1.26
2:6n:242:LEU:HD22	2:5l:244:GLY:C	1.60	1.26
2:8s:200:LEU:CD1	2:9I:200:LEU:HD22	1.64	1.26
2:2o:232:TYR:CD2	2:1x:232:TYR:CE1	2.24	1.26
2:6u:265:ASP:HB3	2:9Q:266:LEU:CD2	1.62	1.26
2:6v:97:TYR:O	2:6v:110:LEU:HB2	1.26	1.26
1:6X:447:GLN:CD	2:6q:56:ASN:HD22	1.42	1.26
1:7S:392:THR:HB	2:7o:46:ASP:OD2	1.16	1.26
1:4c:199:LYS:HB3	1:4c:202:GLU:OE2	1.25	1.26
2:2a:225:MET:O	2:3f:219:LYS:HG2	1.36	1.26
2:1k:245:VAL:HG13	2:3k:245:VAL:CG2	1.66	1.26
2:1k:266:LEU:CD2	2:3k:265:ASP:C	2.09	1.26
2:1k:279:ILE:HA	2:3k:248:GLY:CA	1.66	1.26
2:2f:206:VAL:CG1	2:3j:210:LEU:HD23	1.62	1.26
2:8k:243:GLY:HA2	2:9G:234:LEU:CD2	1.64	1.26
2:2l:120:ILE:CD1	2:4i:120:ILE:HD11	1.65	1.26
2:8s:200:LEU:HD11	2:9I:200:LEU:CD2	1.64	1.26
2:8t:239:THR:CA	2:7s:247:LYS:HB3	1.66	1.26
2:2o:234:LEU:HD23	2:1x:242:LEU:O	1.25	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:120:ILE:HD11	2:7o:120:ILE:CD1	1.66	1.26
2:8y:97:TYR:O	2:8y:110:LEU:HB2	1.26	1.26
2:4m:97:TYR:O	2:4m:110:LEU:HB2	1.26	1.26
1:7K:448:ALA:O	2:7n:60:LEU:HD12	1.35	1.25
2:2a:239:THR:CG2	2:3f:247:LYS:CB	2.14	1.25
2:5e:120:ILE:HD11	2:7Z:120:ILE:CD1	1.66	1.25
2:8e:257:THR:HA	2:9O:259:VAL:CG1	1.66	1.25
2:3l:97:TYR:O	2:3l:110:LEU:HB2	1.26	1.25
2:6l:279:ILE:HD12	2:8p:251:VAL:CG1	1.64	1.25
2:8n:239:THR:CA	2:7n:247:LYS:HB3	1.65	1.25
2:8q:243:GLY:HA2	2:9H:234:LEU:CD2	1.64	1.25
2:6t:279:ILE:HD12	2:9L:251:VAL:CG1	1.64	1.25
2:9M:243:GLY:HA2	2:9J:234:LEU:CD2	1.64	1.25
1:5F:422:THR:HB	1:5F:427:LYS:CG	1.65	1.25
1:1I:444:GLY:N	2:1k:45:LYS:HZ2	1.30	1.25
1:5R:422:THR:HB	1:5R:427:LYS:CG	1.65	1.25
2:1g:279:ILE:HA	2:3g:248:GLY:CA	1.66	1.25
2:2b:120:ILE:CD1	2:4e:120:ILE:HD11	1.65	1.25
2:6f:247:LYS:O	2:7f:239:THR:HG22	1.19	1.25
2:8g:219:LYS:HG2	2:9G:225:MET:O	1.36	1.25
2:8g:259:VAL:CG1	2:8k:257:THR:HA	1.66	1.25
2:6j:242:LEU:HD22	2:5j:244:GLY:C	1.60	1.25
2:1n:247:LYS:CB	2:3n:239:THR:CA	1.89	1.25
2:2k:239:THR:CG2	2:3n:247:LYS:CB	2.14	1.25
2:2p:239:THR:CG2	2:3r:247:LYS:CB	2.14	1.25
2:6q:247:LYS:HE3	2:9K:277:GLY:O	1.20	1.25
2:6r:247:LYS:O	2:7u:239:THR:HG22	1.18	1.25
2:6s:242:LEU:O	2:7o:234:LEU:HD23	1.12	1.25
2:8y:219:LYS:HG2	2:9J:225:MET:O	1.36	1.25
2:8y:236:ALA:CA	2:9J:242:LEU:HD11	1.64	1.25
2:1w:245:VAL:HG13	2:3w:245:VAL:CG2	1.66	1.25
1:4F:448:ALA:CB	2:4f:41:TYR:CD1	2.18	1.25
1:7X:446:ALA:CB	2:7t:41:TYR:CE2	2.17	1.25
2:2b:234:LEU:HD23	2:3e:242:LEU:O	1.29	1.25
1:1O:444:GLY:CA	2:1o:45:LYS:HD2	1.65	1.25
1:7V:447:GLN:O	2:7v:41:TYR:CD1	1.65	1.25
2:1f:247:LYS:CB	2:3f:239:THR:CA	1.89	1.25
2:7a:239:THR:HG22	2:6v:247:LYS:O	1.19	1.25
2:8g:235:PRO:C	2:9G:242:LEU:HD13	1.47	1.25
2:9F:200:LEU:HD13	2:9O:200:LEU:CD1	1.66	1.25
2:2e:234:LEU:CD2	2:1p:242:LEU:O	1.85	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:244:GLY:CA	2:3o:243:GLY:O	1.84	1.25
2:4g:98:ALA:HA	2:4g:110:LEU:CB	1.67	1.25
2:6i:252:THR:O	2:8o:270:ILE:HD13	1.24	1.25
2:5g:120:ILE:HD11	2:7e:120:ILE:CD1	1.66	1.25
2:5g:279:ILE:CD1	2:6k:251:VAL:HG13	1.56	1.25
2:2k:239:THR:HG23	2:3n:247:LYS:CG	1.65	1.25
2:2k:242:LEU:HD11	2:3n:236:ALA:N	1.48	1.25
2:2n:244:GLY:CA	2:3s:243:GLY:O	1.85	1.25
2:1s:98:ALA:HA	2:1s:110:LEU:CB	1.67	1.25
2:5k:279:ILE:CD1	2:6s:251:VAL:HG13	1.56	1.25
2:8w:259:VAL:HG11	2:9I:259:VAL:N	1.52	1.25
2:8y:200:LEU:HD11	2:9J:200:LEU:CD2	1.64	1.25
2:1w:263:VAL:CG2	2:3w:256:ALA:CB	1.97	1.25
2:1w:273:LEU:HD12	2:3w:269:LEU:CD1	1.63	1.25
2:2g:234:LEU:HD23	2:3i:242:LEU:O	1.29	1.25
2:2u:225:MET:O	2:3v:219:LYS:HG2	1.36	1.25
2:4m:98:ALA:HA	2:4m:110:LEU:CB	1.67	1.25
1:3C:447:GLN:HE22	2:3h:56:ASN:ND2	1.35	1.25
1:7B:446:ALA:HB1	2:7b:41:TYR:CD2	1.71	1.25
2:1g:266:LEU:CD2	2:3g:265:ASP:C	2.09	1.25
2:2Z:234:LEU:CD2	2:1l:242:LEU:O	1.85	1.25
2:6h:279:ILE:HD12	2:8j:251:VAL:CG1	1.64	1.25
2:8g:236:ALA:CA	2:9G:242:LEU:HD11	1.64	1.25
2:9F:226:ILE:O	2:9O:223:ARG:HG3	1.23	1.25
2:2f:242:LEU:HD11	2:3j:236:ALA:N	1.48	1.25
2:5i:120:ILE:HD11	2:7j:120:ILE:CD1	1.66	1.25
2:6m:258:ASP:N	2:8u:259:VAL:CG1	1.90	1.25
2:6p:279:ILE:HD12	2:8v:251:VAL:CG1	1.64	1.25
2:5k:98:ALA:HA	2:5k:110:LEU:CB	1.67	1.25
2:5k:245:VAL:O	2:7o:242:LEU:HD23	1.11	1.25
2:6s:242:LEU:HD11	2:7o:236:ALA:N	1.49	1.25
2:8w:226:ILE:O	2:9I:219:LYS:HB3	1.17	1.25
2:1w:266:LEU:CD1	2:3w:266:LEU:CA	2.05	1.25
2:2u:239:THR:CG2	2:3v:247:LYS:CB	2.14	1.25
2:6u:257:THR:CA	2:9Q:259:VAL:CG1	2.15	1.25
1:2A:28:GLN:HE21	2:1l:27:ILE:CD1	1.49	1.25
1:6F:445:GLY:O	2:6e:44:VAL:CG2	1.84	1.25
2:5e:98:ALA:HA	2:5e:110:LEU:CB	1.67	1.25
2:5e:245:VAL:O	2:7Z:242:LEU:CD2	1.85	1.25
2:5e:245:VAL:O	2:7Z:242:LEU:HD23	1.11	1.25
2:5e:259:VAL:HG11	2:6g:258:ASP:N	1.52	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:242:LEU:HD22	2:5h:244:GLY:O	1.14	1.25
2:8g:98:ALA:HA	2:8g:110:LEU:CB	1.67	1.25
2:2f:239:THR:CG2	2:3j:247:LYS:CB	2.14	1.25
2:5g:245:VAL:O	2:7e:242:LEU:HD23	1.11	1.25
2:6j:239:THR:HG22	2:5j:247:LYS:O	1.07	1.25
2:8l:97:TYR:O	2:8l:110:LEU:HB2	1.26	1.25
2:8m:98:ALA:HA	2:8m:110:LEU:CB	1.67	1.25
2:1o:279:ILE:HA	2:3o:248:GLY:CA	1.66	1.25
2:2j:232:TYR:CD2	2:1t:232:TYR:CE1	2.24	1.25
2:6p:98:ALA:HA	2:6p:110:LEU:CB	1.67	1.25
2:8u:98:ALA:HA	2:8u:110:LEU:CB	1.67	1.25
2:1s:266:LEU:HD21	2:3s:265:ASP:CA	1.63	1.25
2:6q:257:THR:CA	2:9K:259:VAL:CG1	2.15	1.25
2:9M:226:ILE:HA	2:9J:219:LYS:CG	1.60	1.25
1:7S:446:ALA:HB1	2:7o:41:TYR:CE2	1.50	1.24
2:1h:232:TYR:CE1	2:2t:232:TYR:CD2	2.24	1.24
2:6f:242:LEU:HD22	2:5h:244:GLY:C	1.60	1.24
2:1k:266:LEU:CD1	2:3k:266:LEU:CA	2.05	1.24
2:6k:242:LEU:C	2:7e:234:LEU:HD21	1.58	1.24
2:8m:200:LEU:CD1	2:9H:200:LEU:HD13	1.66	1.24
2:1m:98:ALA:HA	2:1m:110:LEU:CB	1.67	1.24
2:2k:239:THR:N	2:3n:247:LYS:CB	1.84	1.24
2:2k:239:THR:O	2:3n:246:LYS:CB	1.85	1.24
2:2l:209:LEU:O	2:3m:206:VAL:HG21	1.38	1.24
2:8s:98:ALA:HA	2:8s:110:LEU:CB	1.67	1.24
2:8s:235:PRO:C	2:9I:242:LEU:HD13	1.47	1.24
2:2o:234:LEU:CD2	2:1x:242:LEU:O	1.84	1.24
2:2q:219:LYS:HG2	2:3q:225:MET:O	1.27	1.24
2:3t:98:ALA:HA	2:3t:110:LEU:CB	1.67	1.24
2:6t:98:ALA:HA	2:6t:110:LEU:CB	1.67	1.24
2:8w:259:VAL:CG1	2:9I:259:VAL:CA	1.89	1.24
2:5m:245:VAL:O	2:7t:242:LEU:HD23	1.11	1.24
1:8E:448:ALA:O	2:8h:60:LEU:CB	1.86	1.24
2:9F:225:MET:O	2:9O:219:LYS:HG2	1.36	1.24
2:1k:98:ALA:HA	2:1k:110:LEU:CB	1.67	1.24
2:2g:209:LEU:O	2:3i:206:VAL:HG21	1.38	1.24
2:1o:98:ALA:HA	2:1o:110:LEU:CB	1.67	1.24
2:2k:225:MET:O	2:3n:219:LYS:HG2	1.36	1.24
2:3p:97:TYR:O	2:3p:110:LEU:HB2	1.26	1.24
2:6o:242:LEU:C	2:7j:234:LEU:HD21	1.57	1.24
2:6s:225:MET:SD	2:7o:209:LEU:HD12	1.78	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:200:LEU:CD1	2:9J:200:LEU:HD13	1.66	1.24
2:8y:259:VAL:CG1	2:9M:257:THR:HA	1.66	1.24
1:8M:447:GLN:HG2	2:8q:44:VAL:CG1	1.67	1.24
1:3V:443:SER:OG	2:3s:56:ASN:ND2	1.70	1.24
2:8f:98:ALA:HA	2:8f:110:LEU:CB	1.67	1.24
2:8g:200:LEU:CD1	2:9G:200:LEU:HD13	1.66	1.24
2:2e:232:TYR:CD2	2:1p:232:TYR:CE1	2.24	1.24
2:6n:98:ALA:HA	2:6n:110:LEU:CB	1.67	1.24
2:1s:263:VAL:CG2	2:3s:256:ALA:CB	1.97	1.24
2:2p:120:ILE:HD13	2:3r:120:ILE:CD1	1.66	1.24
2:2p:239:THR:HG23	2:3r:247:LYS:CG	1.65	1.24
2:6r:239:THR:HG22	2:5n:247:LYS:O	1.07	1.24
2:7r:251:VAL:HG11	2:9L:279:ILE:CD1	1.67	1.24
2:1w:266:LEU:CD2	2:3w:265:ASP:C	2.09	1.24
1:4K:199:LYS:HB3	1:4K:202:GLU:OE2	1.25	1.24
2:3f:97:TYR:O	2:3f:110:LEU:HB2	1.26	1.24
2:5e:280:SER:O	2:6g:250:ALA:HA	1.37	1.24
2:8k:259:VAL:HG11	2:9G:259:VAL:N	1.52	1.24
2:1m:97:TYR:O	2:1m:110:LEU:HB2	1.26	1.24
2:1o:266:LEU:CD2	2:3o:265:ASP:C	2.09	1.24
2:1o:269:LEU:CG	2:3o:269:LEU:HD21	1.68	1.24
2:8q:229:GLY:CA	2:9H:231:PRO:CG	2.16	1.24
2:6s:242:LEU:C	2:7o:234:LEU:HD21	1.57	1.24
2:2u:239:THR:O	2:3v:246:LYS:CB	1.85	1.24
1:8E:445:GLY:C	2:8h:44:VAL:HG22	1.62	1.24
1:3b:443:SER:CA	2:3w:56:ASN:ND2	1.86	1.24
2:1e:247:LYS:H	2:2Z:239:THR:C	1.26	1.24
2:2d:244:GLY:CA	2:3k:243:GLY:O	1.85	1.24
2:8e:148[B]:ILE:CD1	2:9F:148[B]:ILE:CD1	2.16	1.24
2:9F:242:LEU:CD1	2:9O:235:PRO:O	1.82	1.24
2:2g:247:LYS:H	2:3i:238:THR:C	1.46	1.24
2:2j:234:LEU:CD2	2:1t:242:LEU:O	1.85	1.24
2:1q:98:ALA:HA	2:1q:110:LEU:CB	1.67	1.24
2:1s:245:VAL:HG13	2:3s:245:VAL:CG2	1.66	1.24
2:1s:266:LEU:CD1	2:3s:266:LEU:CA	2.05	1.24
2:1w:279:ILE:CG2	2:3w:272:VAL:HG12	1.59	1.24
2:2u:120:ILE:HD13	2:3v:120:ILE:CD1	1.66	1.24
2:3x:98:ALA:HA	2:3x:110:LEU:CB	1.67	1.24
2:5m:98:ALA:HA	2:5m:110:LEU:CB	1.67	1.24
2:6x:98:ALA:HA	2:6x:110:LEU:CB	1.67	1.24
1:4F:446:ALA:CB	2:4f:56:ASN:HB2	1.66	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9C:392:THR:HG23	2:9H:46:ASP:CG	1.63	1.23
1:9E:446:ALA:HB1	2:9J:41:TYR:CD2	1.72	1.23
2:1g:245:VAL:HG13	2:3g:245:VAL:CG2	1.66	1.23
2:2a:120:ILE:HD13	2:3f:120:ILE:CD1	1.66	1.23
2:6g:225:MET:SD	2:7Z:209:LEU:HD12	1.78	1.23
2:1i:98:ALA:HA	2:1i:110:LEU:CB	1.67	1.23
2:6l:98:ALA:HA	2:6l:110:LEU:CB	1.67	1.23
2:8n:225:MET:SD	2:7n:209:LEU:HD12	1.78	1.23
2:5i:98:ALA:HA	2:5i:110:LEU:CB	1.67	1.23
2:5i:259:VAL:HG11	2:6o:258:ASP:N	1.52	1.23
2:8r:98:ALA:HA	2:8r:110:LEU:CB	1.67	1.23
2:2s:244:GLY:CA	2:3w:243:GLY:O	1.84	1.23
2:6r:98:ALA:HA	2:6r:110:LEU:CB	1.67	1.23
2:1u:98:ALA:HA	2:1u:110:LEU:CB	1.67	1.23
2:1w:269:LEU:CG	2:3w:269:LEU:HD21	1.68	1.23
2:1w:279:ILE:HA	2:3w:248:GLY:CA	1.66	1.23
2:9M:148[B]:ILE:CD1	2:9J:148[B]:ILE:CD1	2.16	1.23
2:9M:270:ILE:CD1	2:9J:269:LEU:CB	2.15	1.23
1:7I:448:ALA:HA	2:7e:41:TYR:CD1	1.73	1.23
1:6R:447:GLN:CD	2:6m:56:ASN:ND2	1.93	1.23
1:7N:448:ALA:CA	2:7j:41:TYR:CD1	2.15	1.23
1:1T:448:ALA:HB3	2:1r:41:TYR:CE1	1.72	1.23
2:2f:239:THR:O	2:3j:246:LYS:CB	1.85	1.23
2:4g:97:TYR:O	2:4g:110:LEU:HB2	1.26	1.23
2:6k:225:MET:SD	2:7e:209:LEU:HD12	1.78	1.23
2:8k:279:ILE:HA	2:9G:248:GLY:N	1.53	1.23
2:2k:239:THR:HG22	2:3n:247:LYS:O	1.25	1.23
2:3n:98:ALA:HA	2:3n:110:LEU:CB	1.67	1.23
2:5i:245:VAL:O	2:7j:242:LEU:HD23	1.11	1.23
2:6m:251:VAL:CG1	2:8u:279:ILE:HD12	1.65	1.23
2:6o:225:MET:SD	2:7j:209:LEU:HD12	1.78	1.23
2:6o:242:LEU:HD11	2:7j:236:ALA:N	1.49	1.23
2:8q:259:VAL:HG11	2:9H:259:VAL:N	1.52	1.23
2:1s:269:LEU:CG	2:3s:269:LEU:HD21	1.68	1.23
2:2p:242:LEU:HD11	2:3r:236:ALA:N	1.48	1.23
2:2q:209:LEU:O	2:3q:206:VAL:HG21	1.38	1.23
2:9K:98:ALA:HA	2:9K:110:LEU:CB	1.67	1.23
2:2v:120:ILE:CD1	2:4m:120:ILE:HD11	1.65	1.23
2:6w:225:MET:SD	2:7t:209:LEU:HD12	1.78	1.23
1:5F:446:ALA:CA	2:5f:56:ASN:HB2	1.67	1.23
2:1g:234:LEU:CD1	2:3g:234:LEU:CD2	2.17	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:263:VAL:CG2	2:3g:262:ALA:HB2	1.69	1.23
2:2b:209:LEU:O	2:3e:206:VAL:HG21	1.38	1.23
2:2b:246:LYS:HE2	2:3e:240:THR:O	1.07	1.23
2:2b:247:LYS:H	2:3e:238:THR:C	1.46	1.23
2:5f:247:LYS:O	2:6v:239:THR:HG22	1.07	1.23
2:6e:257:THR:CA	2:8i:259:VAL:CG1	2.15	1.23
2:5g:259:VAL:HG11	2:6k:258:ASP:N	1.52	1.23
2:6j:242:LEU:CD2	2:5j:244:GLY:O	1.86	1.23
2:8m:259:VAL:CG1	2:8q:257:THR:HA	1.66	1.23
2:8q:200:LEU:CD2	2:9H:196:LEU:HD13	1.69	1.23
2:8t:225:MET:SD	2:7s:209:LEU:HD12	1.78	1.23
2:1s:267:ASN:ND2	2:3s:254:SER:HB3	1.50	1.23
2:3r:98:ALA:HA	2:3r:110:LEU:CB	1.67	1.23
2:4k:98:ALA:HA	2:4k:110:LEU:CB	1.67	1.23
2:8w:148[B]:ILE:CD1	2:9I:148[B]:ILE:CD1	2.16	1.23
2:1w:245:VAL:CG1	2:3w:245:VAL:HG23	1.69	1.23
2:9O:98:ALA:HA	2:9O:110:LEU:CB	1.67	1.23
1:5M:208:GLY:O	1:5M:212:GLU:HG2	1.31	1.23
1:3b:443:SER:OG	2:3w:56:ASN:ND2	1.70	1.23
1:7V:392:THR:HA	2:7v:46:ASP:OD2	1.39	1.23
2:1g:279:ILE:HG21	2:3g:272:VAL:CG1	1.62	1.23
2:2Z:232:TYR:CD2	2:1l:232:TYR:CE1	2.24	1.23
2:2a:242:LEU:HD11	2:3f:236:ALA:N	1.48	1.23
2:2d:77:LEU:CD1	2:2d:110:LEU:HD21	1.69	1.23
2:3g:243:GLY:O	2:2x:244:GLY:CA	1.85	1.23
2:6f:98:ALA:HA	2:6f:110:LEU:CB	1.67	1.23
2:6h:98:ALA:HA	2:6h:110:LEU:CB	1.67	1.23
2:2e:77:LEU:CD1	2:2e:110:LEU:HD21	1.69	1.23
2:2f:120:ILE:HD13	2:3j:120:ILE:CD1	1.66	1.23
2:5g:120:ILE:CD1	2:7e:120:ILE:HD13	1.69	1.23
2:6j:98:ALA:HA	2:6j:110:LEU:CB	1.67	1.23
2:1o:245:VAL:HG13	2:3o:245:VAL:CG2	1.66	1.23
2:2k:77:LEU:CD1	2:2k:110:LEU:HD21	1.69	1.23
2:2l:247:LYS:H	2:3m:238:THR:C	1.46	1.23
2:3p:98:ALA:HA	2:3p:110:LEU:CB	1.67	1.23
2:6m:257:THR:C	2:8u:259:VAL:CB	2.12	1.23
2:6m:257:THR:CA	2:8u:259:VAL:CG1	2.15	1.23
2:8u:97:TYR:O	2:8u:110:LEU:HB2	1.26	1.23
2:2p:225:MET:O	2:3r:219:LYS:HG2	1.36	1.23
2:2r:242:LEU:CD2	2:3x:244:GLY:O	1.78	1.23
2:8w:200:LEU:CD2	2:9I:196:LEU:HD13	1.69	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:98:ALA:HA	2:8y:110:LEU:CB	1.67	1.23
2:1w:98:ALA:HA	2:1w:110:LEU:CB	1.67	1.23
1:8Y:448:ALA:HB2	2:9M:57:MET:SD	1.78	1.23
2:2a:77:LEU:CD1	2:2a:110:LEU:HD21	1.69	1.23
2:4e:98:ALA:HA	2:4e:110:LEU:CB	1.67	1.23
2:5f:244:GLY:O	2:6v:242:LEU:CD2	1.86	1.23
2:6f:239:THR:HG22	2:5h:247:LYS:O	1.07	1.23
2:2h:77:LEU:CD1	2:2h:110:LEU:HD21	1.69	1.23
2:7e:77:LEU:CD1	2:7e:110:LEU:HD21	1.69	1.23
2:1s:245:VAL:CG1	2:3s:245:VAL:HG23	1.69	1.23
2:2p:242:LEU:HD13	2:3r:235:PRO:O	1.05	1.23
2:6q:257:THR:C	2:9K:259:VAL:CB	2.12	1.23
2:7s:77:LEU:CD1	2:7s:110:LEU:HD21	1.69	1.23
2:8w:280:SER:O	2:9I:249:ALA:O	1.56	1.23
2:2w:77:LEU:CD1	2:2w:110:LEU:HD21	1.69	1.23
2:6v:98:ALA:HA	2:6v:110:LEU:CB	1.67	1.23
2:7v:77:LEU:CD1	2:7v:110:LEU:HD21	1.69	1.23
2:9N:98:ALA:HA	2:9N:110:LEU:CB	1.67	1.23
2:9Q:98:ALA:HA	2:9Q:110:LEU:CB	1.67	1.23
1:3U:442:ALA:O	2:3t:45:LYS:NZ	1.71	1.22
2:3h:98:ALA:HA	2:3h:110:LEU:CB	1.67	1.22
2:6f:242:LEU:CD2	2:5h:244:GLY:O	1.86	1.22
2:7Z:77:LEU:CD1	2:7Z:110:LEU:HD21	1.69	1.22
2:8e:257:THR:CA	2:9O:259:VAL:CG1	2.14	1.22
2:8h:225:MET:SD	2:7i:209:LEU:HD12	1.78	1.22
2:9F:77:LEU:CD1	2:9F:110:LEU:HD21	1.69	1.22
2:1k:269:LEU:CG	2:3k:269:LEU:HD21	1.68	1.22
2:3j:98:ALA:HA	2:3j:110:LEU:CB	1.67	1.22
2:6i:251:VAL:CG1	2:8o:279:ILE:HD12	1.64	1.22
2:8l:98:ALA:HA	2:8l:110:LEU:CB	1.67	1.22
2:2l:77:LEU:CD1	2:2l:110:LEU:HD21	1.69	1.22
2:2l:246:LYS:HE2	2:3m:240:THR:O	1.07	1.22
2:1s:259:VAL:CG2	2:3s:259:VAL:HG23	1.69	1.22
2:1s:266:LEU:CD2	2:3s:265:ASP:C	2.09	1.22
2:1s:279:ILE:HA	2:3s:248:GLY:CA	1.66	1.22
2:2q:236:ALA:N	2:3q:242:LEU:HD13	1.47	1.22
2:8z:225:MET:SD	2:7x:209:LEU:HD12	1.78	1.22
1:6L:445:GLY:O	2:6i:44:VAL:HG22	1.38	1.22
2:1g:279:ILE:HG22	2:3g:272:VAL:CG1	1.63	1.22
2:3f:98:ALA:HA	2:3f:110:LEU:CB	1.67	1.22
2:6e:257:THR:C	2:8i:259:VAL:CB	2.12	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:258:ASP:N	2:8i:259:VAL:CG1	1.91	1.22
2:7a:77:LEU:CD1	2:7a:110:LEU:HD21	1.69	1.22
2:8e:259:VAL:HG11	2:9F:259:VAL:N	1.52	1.22
2:8i:98:ALA:HA	2:8i:110:LEU:CB	1.67	1.22
2:1j:247:LYS:CA	2:3j:239:THR:HA	1.69	1.22
2:1k:234:LEU:CD1	2:3k:234:LEU:CD2	2.17	1.22
2:1k:259:VAL:CG2	2:3k:259:VAL:HG23	1.69	1.22
2:2f:242:LEU:CD1	2:3j:235:PRO:O	1.88	1.22
2:2i:77:LEU:CD1	2:2i:110:LEU:HD21	1.69	1.22
2:6i:257:THR:CA	2:8o:259:VAL:CG1	2.15	1.22
2:6k:242:LEU:HD11	2:7e:236:ALA:N	1.49	1.22
2:8k:148[B]:ILE:CD1	2:9G:148[B]:ILE:CD1	2.16	1.22
2:8o:98:ALA:HA	2:8o:110:LEU:CB	1.67	1.22
2:1o:97:TYR:O	2:1o:110:LEU:HB2	1.26	1.22
2:2j:77:LEU:CD1	2:2j:110:LEU:HD21	1.69	1.22
2:2m:77:LEU:HD12	2:2m:110:LEU:CD2	1.70	1.22
2:4i:98:ALA:HA	2:4i:110:LEU:CB	1.67	1.22
2:7n:77:LEU:CD1	2:7n:110:LEU:HD21	1.69	1.22
2:2p:242:LEU:CD1	2:3r:235:PRO:O	1.88	1.22
2:5k:120:ILE:CD1	2:7o:120:ILE:HD13	1.69	1.22
2:5m:280:SER:O	2:6w:250:ALA:HA	1.37	1.22
2:7x:77:LEU:HD12	2:7x:110:LEU:CD2	1.70	1.22
1:2D:443:SER:O	2:2Z:45:LYS:NZ	1.70	1.22
1:7G:446:ALA:CB	2:7g:41:TYR:CE2	2.03	1.22
1:8G:447:GLN:CG	2:8k:44:VAL:HG11	1.68	1.22
2:1g:98:ALA:HA	2:1g:110:LEU:CB	1.67	1.22
2:1h:242:LEU:O	2:2t:234:LEU:CD2	1.85	1.22
2:2b:77:LEU:HD12	2:2b:110:LEU:CD2	1.70	1.22
2:8e:279:ILE:HA	2:9F:248:GLY:N	1.53	1.22
2:8f:97:TYR:O	2:8f:110:LEU:HB2	1.26	1.22
2:8g:277:GLY:O	2:8k:247:LYS:HE3	1.33	1.22
2:9F:120:ILE:HD13	2:9O:120:ILE:CD1	1.69	1.22
2:2g:77:LEU:CD1	2:2g:110:LEU:HD21	1.69	1.22
2:7h:77:LEU:CD1	2:7h:110:LEU:HD21	1.69	1.22
2:8k:200:LEU:CD2	2:9G:196:LEU:HD13	1.69	1.22
2:1o:263:VAL:CG2	2:3o:262:ALA:HB2	1.69	1.22
2:1o:279:ILE:HG21	2:3o:272:VAL:CG1	1.62	1.22
2:2k:120:ILE:HD13	2:3n:120:ILE:CD1	1.66	1.22
2:2n:77:LEU:HD12	2:2n:110:LEU:CD2	1.70	1.22
2:7j:77:LEU:CD1	2:7j:110:LEU:HD21	1.69	1.22
2:7k:77:LEU:CD1	2:7k:110:LEU:HD21	1.69	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:200:LEU:CD1	2:9I:200:LEU:HD13	1.66	1.22
2:8s:277:GLY:O	2:8w:247:LYS:HE3	1.33	1.22
2:9H:77:LEU:CD1	2:9H:110:LEU:HD21	1.69	1.22
2:2p:239:THR:O	2:3r:246:LYS:CB	1.85	1.22
2:2r:77:LEU:CD1	2:2r:110:LEU:HD21	1.69	1.22
2:7p:77:LEU:HD12	2:7p:110:LEU:CD2	1.70	1.22
2:7q:77:LEU:CD1	2:7q:110:LEU:HD21	1.69	1.22
2:8x:98:ALA:HA	2:8x:110:LEU:CB	1.67	1.22
2:2u:226:ILE:HG22	2:3v:222:LEU:CB	1.66	1.22
2:5m:259:VAL:HG11	2:6w:258:ASP:N	1.52	1.22
2:7u:77:LEU:CD1	2:7u:110:LEU:HD21	1.69	1.22
2:7w:77:LEU:CD1	2:7w:110:LEU:HD21	1.69	1.22
1:7S:446:ALA:CB	2:7o:41:TYR:CE2	2.07	1.22
1:6c:445:GLY:HA2	2:6v:44:VAL:CB	1.68	1.22
2:2Z:77:LEU:CD1	2:2Z:110:LEU:HD21	1.69	1.22
2:2a:239:THR:O	2:3f:246:LYS:CB	1.85	1.22
2:2c:77:LEU:HD12	2:2c:110:LEU:CD2	1.70	1.22
2:7a:77:LEU:HD12	2:7a:110:LEU:CD2	1.70	1.22
2:7d:209:LEU:HD12	2:9P:225:MET:SD	1.78	1.22
2:8g:120:ILE:CD1	2:9G:120:ILE:HD13	1.70	1.22
2:8g:244:GLY:HA3	2:9G:242:LEU:CA	1.70	1.22
2:1k:266:LEU:CD2	2:3k:265:ASP:HB2	1.68	1.22
2:2g:246:LYS:HE2	2:3i:240:THR:O	1.07	1.22
2:5g:280:SER:O	2:6k:250:ALA:HA	1.37	1.22
2:8k:232:TYR:CG	2:9G:232:TYR:CB	2.05	1.22
2:8n:239:THR:HA	2:7n:247:LYS:CB	1.70	1.22
2:9G:77:LEU:CD1	2:9G:110:LEU:HD21	1.69	1.22
2:7l:77:LEU:HD12	2:7l:110:LEU:CD2	1.70	1.22
2:8q:148[B]:ILE:CD1	2:9H:148[B]:ILE:CD1	2.16	1.22
2:8q:279:ILE:HA	2:9H:248:GLY:N	1.53	1.22
2:6r:242:LEU:CD2	2:5n:244:GLY:O	1.86	1.22
2:7p:77:LEU:CD1	2:7p:110:LEU:HD21	1.69	1.22
2:7r:77:LEU:CD1	2:7r:110:LEU:HD21	1.69	1.22
2:1w:234:LEU:CD1	2:3w:234:LEU:CD2	2.17	1.22
2:2u:77:LEU:CD1	2:2u:110:LEU:HD21	1.69	1.22
2:7x:77:LEU:CD1	2:7x:110:LEU:HD21	1.69	1.22
1:6G:447:GLN:OE1	2:6l:56:ASN:O	1.56	1.22
1:2K:28:GLN:NE2	2:1t:27:ILE:CD1	1.89	1.22
1:2R:447:GLN:O	2:2p:41:TYR:CD1	1.93	1.22
2:1f:247:LYS:HE2	2:3f:280:SER:OG	1.40	1.22
2:1g:269:LEU:CG	2:3g:269:LEU:HD21	1.68	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2Z:77:LEU:HD12	2:2Z:110:LEU:CD2	1.70	1.22
2:2a:242:LEU:CA	2:3f:244:GLY:HA3	1.69	1.22
2:2b:77:LEU:CD1	2:2b:110:LEU:HD21	1.69	1.22
2:7b:77:LEU:CD1	2:7b:110:LEU:HD21	1.69	1.22
2:2g:246:LYS:HB3	2:3i:239:THR:C	1.65	1.22
2:5g:98:ALA:HA	2:5g:110:LEU:CB	1.67	1.22
2:6i:247:LYS:CE	2:8o:277:GLY:O	1.88	1.22
2:7f:77:LEU:HD12	2:7f:110:LEU:CD2	1.70	1.22
2:7h:251:VAL:HG11	2:8p:279:ILE:CD1	1.67	1.22
2:5i:120:ILE:CD1	2:7j:120:ILE:HD13	1.69	1.22
2:7m:77:LEU:CD1	2:7m:110:LEU:HD21	1.69	1.22
2:2o:246:LYS:HE2	2:1x:240:THR:O	1.39	1.22
2:2r:77:LEU:HD12	2:2r:110:LEU:CD2	1.70	1.22
2:5k:245:VAL:O	2:7o:242:LEU:CD2	1.85	1.22
2:5k:259:VAL:HG11	2:6s:258:ASP:N	1.52	1.22
2:6s:206:VAL:CG1	2:7o:210:LEU:HD23	1.70	1.22
2:7o:77:LEU:HD12	2:7o:110:LEU:CD2	1.70	1.22
2:8w:270:ILE:CD1	2:9i:269:LEU:CB	2.15	1.22
2:1w:259:VAL:CG2	2:3w:259:VAL:HG23	1.69	1.22
2:1w:266:LEU:CD2	2:3w:265:ASP:HB2	1.68	1.22
2:2u:242:LEU:HD13	2:3v:235:PRO:O	1.05	1.22
2:2u:242:LEU:CA	2:3v:244:GLY:HA3	1.69	1.22
2:2v:209:LEU:O	2:3u:206:VAL:HG21	1.38	1.22
2:2x:77:LEU:HD12	2:2x:110:LEU:CD2	1.70	1.22
2:6w:206:VAL:CG1	2:7t:210:LEU:HD23	1.70	1.22
2:9M:148[B]:ILE:HD12	2:9J:148[B]:ILE:CD1	1.70	1.22
1:6Z:443:SER:CA	2:6w:56:ASN:ND2	2.03	1.21
2:1e:98:ALA:HA	2:1e:110:LEU:CB	1.67	1.21
2:1g:245:VAL:CG1	2:3g:245:VAL:HG23	1.69	1.21
2:3h:197:GLN:HG3	2:2w:200:LEU:O	1.40	1.21
2:6e:247:LYS:CE	2:8i:277:GLY:O	1.88	1.21
2:7d:77:LEU:CD1	2:7d:110:LEU:HD21	1.69	1.21
2:8e:148[B]:ILE:HD12	2:9F:148[B]:ILE:CD1	1.70	1.21
2:1k:263:VAL:CG2	2:3k:262:ALA:HB2	1.69	1.21
2:2g:77:LEU:HD12	2:2g:110:LEU:CD2	1.70	1.21
2:2h:242:LEU:CD2	2:3p:244:GLY:O	1.78	1.21
2:7i:77:LEU:CD1	2:7i:110:LEU:HD21	1.69	1.21
2:8m:222:LEU:CD1	2:9H:226:ILE:HG22	1.70	1.21
2:8m:277:GLY:O	2:8q:247:LYS:HE3	1.33	1.21
2:1n:247:LYS:CA	2:3n:239:THR:HA	1.69	1.21
2:5i:245:VAL:O	2:7j:242:LEU:CD2	1.85	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:280:SER:O	2:9H:249:ALA:O	1.56	1.21
2:8s:259:VAL:CG1	2:8w:257:THR:HA	1.66	1.21
2:1s:234:LEU:CD1	2:3s:234:LEU:CD2	2.17	1.21
2:2p:77:LEU:CD1	2:2p:110:LEU:HD21	1.69	1.21
2:7s:77:LEU:HD12	2:7s:110:LEU:CD2	1.70	1.21
2:8w:229:GLY:CA	2:9I:231:PRO:CG	2.16	1.21
2:2v:247:LYS:H	2:3u:238:THR:C	1.46	1.21
2:2x:77:LEU:CD1	2:2x:110:LEU:HD21	1.69	1.21
2:3v:98:ALA:HA	2:3v:110:LEU:CB	1.67	1.21
2:6w:242:LEU:C	2:7t:234:LEU:HD21	1.58	1.21
2:9M:259:VAL:HG11	2:9J:259:VAL:N	1.52	1.21
2:9J:77:LEU:HD12	2:9J:110:LEU:CD2	1.70	1.21
2:9J:77:LEU:CD1	2:9J:110:LEU:HD21	1.70	1.21
1:8X:445:GLY:O	2:8y:44:VAL:HG23	1.24	1.21
2:1f:247:LYS:CA	2:3f:239:THR:HA	1.69	1.21
2:6g:242:LEU:C	2:7Z:234:LEU:HD21	1.57	1.21
2:7b:77:LEU:HD12	2:7b:110:LEU:CD2	1.70	1.21
2:8e:200:LEU:CD2	2:9F:196:LEU:HD13	1.69	1.21
2:8e:267:ASN:ND2	2:9F:254:SER:HB3	1.54	1.21
2:1k:267:ASN:ND2	2:3k:254:SER:C	1.93	1.21
2:2e:77:LEU:HD12	2:2e:110:LEU:CD2	1.70	1.21
2:8k:225:MET:CG	2:9G:214:PRO:HD2	1.70	1.21
2:8k:270:ILE:CD1	2:9G:269:LEU:CB	2.15	1.21
2:1n:247:LYS:HE2	2:3n:280:SER:OG	1.40	1.21
2:2k:242:LEU:HD13	2:3n:235:PRO:O	1.05	1.21
2:2q:77:LEU:CD1	2:2q:110:LEU:HD21	1.69	1.21
2:2q:247:LYS:H	2:3q:238:THR:C	1.46	1.21
2:2r:199:LEU:HB3	2:3x:183:PHE:CD1	1.52	1.21
2:2s:77:LEU:CD1	2:2s:110:LEU:HD21	1.69	1.21
2:8y:210:LEU:CD2	2:9J:206:VAL:HG11	1.70	1.21
2:8y:244:GLY:HA3	2:9J:242:LEU:CA	1.70	1.21
2:1v:247:LYS:HE2	2:3v:280:SER:OG	1.40	1.21
2:2t:77:LEU:CD1	2:2t:110:LEU:HD21	1.69	1.21
2:5m:120:ILE:CD1	2:7t:120:ILE:HD13	1.69	1.21
2:9M:225:MET:CG	2:9J:214:PRO:HD2	1.70	1.21
1:7C:355:SER:CB	1:7C:356:PRO:HD3	1.70	1.21
1:8E:448:ALA:O	2:8h:60:LEU:CG	1.87	1.21
1:2M:25:ARG:NH2	2:4j:51:ASP:OD2	1.73	1.21
1:7T:448:ALA:CB	2:7r:60:LEU:HD12	1.69	1.21
2:1g:266:LEU:CD2	2:3g:265:ASP:HB2	1.68	1.21
2:7c:77:LEU:CD1	2:7c:110:LEU:HD21	1.69	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:77:LEU:HD12	2:7c:110:LEU:CD2	1.70	1.21
2:8e:229:GLY:CA	2:9F:231:PRO:CG	2.16	1.21
2:8e:247:LYS:HE3	2:9O:277:GLY:O	1.33	1.21
2:1j:247:LYS:HE2	2:3j:280:SER:OG	1.40	1.21
2:2f:242:LEU:CA	2:3j:244:GLY:HA3	1.69	1.21
2:3l:98:ALA:HA	2:3l:110:LEU:CB	1.67	1.21
2:8k:229:GLY:CA	2:9G:231:PRO:CG	2.16	1.21
2:8k:237:ALA:HB1	2:9G:245:VAL:C	1.47	1.21
2:8k:267:ASN:HD21	2:9G:254:SER:CB	1.54	1.21
2:8m:244:GLY:HA3	2:9H:242:LEU:CA	1.69	1.21
2:1o:234:LEU:CD1	2:3o:234:LEU:CD2	2.17	1.21
2:1o:245:VAL:CG1	2:3o:245:VAL:HG23	1.69	1.21
2:1o:266:LEU:CD2	2:3o:265:ASP:HB2	1.68	1.21
2:2k:226:ILE:HG22	2:3n:222:LEU:CB	1.66	1.21
2:8q:225:MET:CG	2:9H:214:PRO:HD2	1.70	1.21
2:8s:222:LEU:CD1	2:9I:226:ILE:HG22	1.70	1.21
2:2o:77:LEU:CD1	2:2o:110:LEU:HD21	1.69	1.21
2:6q:247:LYS:CE	2:9K:277:GLY:O	1.88	1.21
2:8w:148[B]:ILE:HD12	2:9I:148[B]:ILE:CD1	1.71	1.21
2:8w:279:ILE:HA	2:9I:248:GLY:N	1.53	1.21
2:9I:77:LEU:CD1	2:9I:110:LEU:HD21	1.69	1.21
2:2u:77:LEU:HD12	2:2u:110:LEU:CD2	1.70	1.21
2:2v:77:LEU:CD1	2:2v:110:LEU:HD21	1.69	1.21
2:2v:246:LYS:HE2	2:3u:240:THR:O	1.07	1.21
2:7u:77:LEU:HD12	2:7u:110:LEU:CD2	1.70	1.21
2:9M:229:GLY:CA	2:9J:231:PRO:CG	2.16	1.21
1:6W:445:GLY:HA2	2:6r:44:VAL:CB	1.70	1.21
2:2c:77:LEU:CD1	2:2c:110:LEU:HD21	1.69	1.21
2:5f:247:LYS:O	2:6v:239:THR:CG2	1.89	1.21
2:6g:206:VAL:CG1	2:7Z:210:LEU:HD23	1.70	1.21
2:8e:225:MET:CG	2:9F:214:PRO:HD2	1.70	1.21
2:8g:222:LEU:CD1	2:9G:226:ILE:HG22	1.70	1.21
2:9F:77:LEU:HD12	2:9F:110:LEU:CD2	1.70	1.21
2:2f:225:MET:O	2:3j:219:LYS:HG2	1.36	1.21
2:2g:234:LEU:CD2	2:3i:242:LEU:O	1.89	1.21
2:7g:77:LEU:HD12	2:7g:110:LEU:CD2	1.70	1.21
2:8k:270:ILE:HG23	2:9G:269:LEU:HD13	1.21	1.21
2:2k:77:LEU:HD12	2:2k:110:LEU:CD2	1.70	1.21
2:6n:239:THR:HG22	2:5l:247:LYS:O	1.07	1.21
2:6n:242:LEU:CD2	2:5l:244:GLY:O	1.86	1.21
2:7j:77:LEU:HD12	2:7j:110:LEU:CD2	1.70	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:263:VAL:CG2	2:3s:262:ALA:HB2	1.69	1.21
2:1s:266:LEU:CD2	2:3s:265:ASP:HB2	1.68	1.21
2:8w:267:ASN:ND2	2:9I:254:SER:HB3	1.54	1.21
2:2u:239:THR:CG2	2:3v:247:LYS:HB3	1.70	1.21
2:2w:77:LEU:HD12	2:2w:110:LEU:CD2	1.70	1.21
1:1I:444:GLY:N	2:1k:45:LYS:NZ	1.86	1.21
1:6R:445:GLY:O	2:6m:44:VAL:HG22	1.40	1.21
1:7N:392:THR:HB	2:7j:46:ASP:OD2	1.38	1.21
1:9E:392:THR:HG23	2:9J:46:ASP:OD2	1.04	1.21
2:2Z:246:LYS:HE2	2:1l:240:THR:O	1.39	1.21
2:8e:280:SER:O	2:9F:249:ALA:O	1.56	1.21
2:1k:245:VAL:CG1	2:3k:245:VAL:HG23	1.69	1.21
2:2e:246:LYS:HE2	2:1p:240:THR:O	1.39	1.21
2:2f:77:LEU:HD12	2:2f:110:LEU:CD2	1.70	1.21
2:2i:232:TYR:CD2	2:3o:232:TYR:CE2	2.29	1.21
2:6k:206:VAL:CG1	2:7e:210:LEU:HD23	1.70	1.21
2:7f:77:LEU:CD1	2:7f:110:LEU:HD21	1.69	1.21
2:7g:77:LEU:CD1	2:7g:110:LEU:HD21	1.69	1.21
2:7i:77:LEU:HD12	2:7i:110:LEU:CD2	1.70	1.21
2:9G:77:LEU:HD12	2:9G:110:LEU:CD2	1.70	1.21
2:2j:77:LEU:HD12	2:2j:110:LEU:CD2	1.70	1.21
2:2k:242:LEU:CA	2:3n:244:GLY:HA3	1.69	1.21
2:2n:77:LEU:CD1	2:2n:110:LEU:HD21	1.69	1.21
2:6m:247:LYS:CE	2:8u:277:GLY:O	1.88	1.21
2:6m:251:VAL:CG1	2:8u:279:ILE:HD13	1.71	1.21
2:7m:77:LEU:HD12	2:7m:110:LEU:CD2	1.70	1.21
2:8s:210:LEU:CD2	2:9I:206:VAL:HG11	1.70	1.21
2:2p:77:LEU:HD12	2:2p:110:LEU:CD2	1.70	1.21
2:2q:234:LEU:CD2	2:3q:242:LEU:O	1.89	1.21
2:5k:259:VAL:HG11	2:6s:258:ASP:CA	1.71	1.21
2:1v:247:LYS:CA	2:3v:239:THR:HA	1.69	1.21
2:1w:237:ALA:HB1	2:3w:246:LYS:HA	1.21	1.21
2:6u:251:VAL:CG1	2:9Q:279:ILE:HD12	1.65	1.21
2:7t:77:LEU:HD12	2:7t:110:LEU:CD2	1.70	1.21
2:7t:77:LEU:CD1	2:7t:110:LEU:HD21	1.69	1.21
2:9M:279:ILE:HA	2:9J:248:GLY:N	1.53	1.21
1:7E:448:ALA:CB	2:7c:60:LEU:CD1	2.14	1.20
1:6G:444:GLY:O	2:6l:45:LYS:HD2	1.36	1.20
1:2R:447:GLN:C	2:2p:41:TYR:CE1	2.16	1.20
1:6W:202:GLU:O	1:6W:209:ALA:CB	1.89	1.20
1:9E:446:ALA:HB1	2:9J:41:TYR:CE2	1.76	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:247:LYS:C	2:2Z:239:THR:HG22	1.66	1.20
2:2a:242:LEU:HD13	2:3f:235:PRO:O	1.05	1.20
2:5e:120:ILE:CD1	2:7Z:120:ILE:HD13	1.69	1.20
2:7c:251:VAL:HG11	2:8j:279:ILE:CD1	1.67	1.20
2:8f:266:LEU:HD23	2:9P:254:SER:CB	1.72	1.20
2:2m:77:LEU:CD1	2:2m:110:LEU:HD21	1.69	1.20
2:6o:206:VAL:CG1	2:7j:210:LEU:HD23	1.70	1.20
2:7l:77:LEU:CD1	2:7l:110:LEU:HD21	1.69	1.20
2:7n:77:LEU:HD12	2:7n:110:LEU:CD2	1.70	1.20
2:8t:239:THR:HA	2:7s:247:LYS:CB	1.70	1.20
2:9H:77:LEU:HD12	2:9H:110:LEU:CD2	1.70	1.20
2:1r:247:LYS:HE2	2:3r:280:SER:OG	1.40	1.20
2:2o:77:LEU:HD12	2:2o:110:LEU:CD2	1.70	1.20
2:2o:236:ALA:N	2:1x:242:LEU:CD1	2.05	1.20
2:6q:251:VAL:CG1	2:9K:279:ILE:HD12	1.64	1.20
2:7s:226:ILE:CD1	2:8x:226:ILE:CD1	2.20	1.20
2:8y:235:PRO:O	2:9J:242:LEU:CD1	1.82	1.20
2:2v:77:LEU:HD12	2:2v:110:LEU:CD2	1.70	1.20
2:2v:236:ALA:N	2:3u:242:LEU:HD13	1.47	1.20
2:6u:257:THR:C	2:9Q:259:VAL:CB	2.12	1.20
2:7v:77:LEU:HD12	2:7v:110:LEU:CD2	1.70	1.20
2:9M:267:ASN:ND2	2:9J:254:SER:HB3	1.54	1.20
2:9M:280:SER:O	2:9J:249:ALA:O	1.56	1.20
1:8F:208:GLY:O	1:8F:212:GLU:HG3	1.41	1.20
1:9E:28:GLN:HE22	2:8q:27:ILE:CD1	1.51	1.20
2:2a:242:LEU:CD1	2:3f:235:PRO:O	1.88	1.20
2:6f:239:THR:CG2	2:5h:247:LYS:O	1.89	1.20
2:7d:77:LEU:HD12	2:7d:110:LEU:CD2	1.70	1.20
2:8e:226:ILE:HA	2:9F:219:LYS:CG	1.60	1.20
2:2f:77:LEU:CD1	2:2f:110:LEU:HD21	1.69	1.20
2:5g:245:VAL:O	2:7e:242:LEU:CD2	1.85	1.20
2:8q:267:ASN:HD21	2:9H:254:SER:CB	1.54	1.20
2:8s:120:ILE:CD1	2:9I:120:ILE:HD13	1.70	1.20
2:1r:247:LYS:CA	2:3r:239:THR:HA	1.69	1.20
2:2q:246:LYS:HE2	2:3q:240:THR:O	1.07	1.20
2:8w:225:MET:HG2	2:9I:214:PRO:CD	1.71	1.20
2:1w:263:VAL:CG2	2:3w:262:ALA:HB2	1.69	1.20
2:1w:279:ILE:HG22	2:3w:272:VAL:CG1	1.63	1.20
2:2u:242:LEU:CD1	2:3v:235:PRO:O	1.88	1.20
2:2v:234:LEU:CD2	2:3u:242:LEU:O	1.89	1.20
2:5m:259:VAL:HG11	2:6w:258:ASP:CA	1.71	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7R:392:THR:HB	2:7p:14:MET:CE	1.70	1.20
1:5d:446:ALA:HB1	2:5n:56:ASN:CB	1.72	1.20
1:6c:202:GLU:O	1:6c:209:ALA:CB	1.90	1.20
2:1e:200:LEU:CD1	2:2Z:200:LEU:CD2	1.94	1.20
2:1g:266:LEU:CD1	2:3g:266:LEU:CA	2.05	1.20
2:7Z:77:LEU:HD12	2:7Z:110:LEU:CD2	1.70	1.20
2:9F:206:VAL:HG11	2:9O:210:LEU:CD2	1.70	1.20
2:2f:200:LEU:HD22	2:3j:200:LEU:HD12	1.21	1.20
2:5g:259:VAL:HG11	2:6k:258:ASP:CA	1.71	1.20
2:6i:258:ASP:N	2:8o:259:VAL:CG1	1.91	1.20
2:7h:77:LEU:HD12	2:7h:110:LEU:CD2	1.70	1.20
2:8k:280:SER:O	2:9G:249:ALA:O	1.56	1.20
2:8m:210:LEU:CD2	2:9H:206:VAL:HG11	1.70	1.20
2:1o:259:VAL:CG2	2:3o:259:VAL:HG23	1.69	1.20
2:2k:239:THR:CG2	2:3n:247:LYS:HB3	1.70	1.20
2:2k:242:LEU:CD1	2:3n:235:PRO:O	1.88	1.20
2:2l:246:LYS:HB3	2:3m:239:THR:C	1.65	1.20
2:3n:41:TYR:HE2	2:3n:57:MET:HE1	1.05	1.20
2:7m:251:VAL:HG11	2:8v:279:ILE:CD1	1.67	1.20
2:7n:226:ILE:CD1	2:8r:226:ILE:CD1	2.20	1.20
2:8q:270:ILE:CD1	2:9H:269:LEU:CB	2.15	1.20
2:5k:280:SER:O	2:6s:250:ALA:HA	1.37	1.20
2:7q:77:LEU:HD12	2:7q:110:LEU:CD2	1.70	1.20
2:8y:120:ILE:CD1	2:9J:120:ILE:HD13	1.70	1.20
2:8y:259:VAL:CG1	2:9M:257:THR:CA	2.14	1.20
2:2v:222:LEU:CD1	2:3u:226:ILE:HG22	1.72	1.20
2:7w:77:LEU:HD12	2:7w:110:LEU:CD2	1.70	1.20
2:9M:200:LEU:CD2	2:9J:196:LEU:HD13	1.69	1.20
1:6K:202:GLU:O	1:6K:209:ALA:CB	1.90	1.20
2:6g:243:GLY:N	2:7Z:234:LEU:HD21	1.56	1.20
2:8e:225:MET:HG2	2:9F:214:PRO:CD	1.71	1.20
2:8e:267:ASN:HD21	2:9F:254:SER:CB	1.54	1.20
2:8h:239:THR:HA	2:7i:247:LYS:CB	1.70	1.20
2:9F:242:LEU:CA	2:9O:244:GLY:HA3	1.70	1.20
2:2h:77:LEU:HD12	2:2h:110:LEU:CD2	1.70	1.20
2:6i:269:LEU:CD2	2:8o:269:LEU:HD23	1.70	1.20
2:6j:239:THR:CG2	2:5j:247:LYS:O	1.89	1.20
2:7e:77:LEU:HD12	2:7e:110:LEU:CD2	1.70	1.20
2:8k:229:GLY:N	2:9G:231:PRO:HD3	1.57	1.20
2:2n:232:TYR:CD2	2:3s:232:TYR:CE2	2.30	1.20
2:1q:247:LYS:C	2:2o:239:THR:HG22	1.66	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:246:LYS:HB3	2:3q:239:THR:C	1.65	1.20
2:2s:77:LEU:HD12	2:2s:110:LEU:CD2	1.70	1.20
2:7r:77:LEU:HD12	2:7r:110:LEU:CD2	1.70	1.20
2:8z:254:SER:CB	2:9N:266:LEU:HD23	1.72	1.20
2:9I:77:LEU:HD12	2:9I:110:LEU:CD2	1.70	1.20
2:1u:247:LYS:C	2:2t:239:THR:HG22	1.66	1.20
2:7x:226:ILE:CD1	2:9N:226:ILE:CD1	2.20	1.20
2:9N:41:TYR:HE2	2:9N:57:MET:HE1	1.05	1.20
1:8M:445:GLY:O	2:8q:44:VAL:CG2	1.90	1.20
1:8V:447:GLN:HG2	2:9K:44:VAL:CG2	1.70	1.20
2:1g:279:ILE:CG2	2:3g:272:VAL:HG12	1.59	1.20
2:2d:232:TYR:CD2	2:3k:232:TYR:CE2	2.30	1.20
2:3h:246:LYS:HG2	2:2w:240:THR:HA	1.22	1.20
2:8g:247:LYS:CB	2:9G:239:THR:CG2	2.06	1.20
2:9F:226:ILE:HG22	2:9O:222:LEU:CD1	1.70	1.20
2:1k:267:ASN:ND2	2:3k:254:SER:HB3	1.50	1.20
2:1k:279:ILE:CG2	2:3k:272:VAL:HG12	1.59	1.20
2:6i:257:THR:C	2:8o:259:VAL:CB	2.12	1.20
2:6k:243:GLY:N	2:7e:234:LEU:HD21	1.56	1.20
2:7h:259:VAL:CG2	2:8p:259:VAL:HG22	1.72	1.20
2:8m:120:ILE:CD1	2:9H:120:ILE:HD13	1.70	1.20
2:8m:235:PRO:O	2:9H:242:LEU:CD1	1.81	1.20
2:1n:226:ILE:HD11	2:3n:226:ILE:CD1	1.72	1.20
2:7k:77:LEU:HD12	2:7k:110:LEU:CD2	1.70	1.20
2:7m:259:VAL:CG2	2:8v:259:VAL:HG22	1.72	1.20
2:8q:267:ASN:ND2	2:9H:254:SER:HB3	1.54	1.20
2:2p:242:LEU:CA	2:3r:244:GLY:HA3	1.69	1.20
2:7o:77:LEU:CD1	2:7o:110:LEU:HD21	1.69	1.20
2:8w:267:ASN:HD21	2:9I:254:SER:CB	1.54	1.20
1:7M:355:SER:CB	1:7M:356:PRO:HD3	1.70	1.19
1:7R:355:SER:CB	1:7R:356:PRO:HD3	1.70	1.19
1:8W:445:GLY:HA2	2:8z:45:LYS:CG	1.70	1.19
1:7W:355:SER:CB	1:7W:356:PRO:HD3	1.70	1.19
2:1g:259:VAL:CG2	2:3g:259:VAL:HG23	1.69	1.19
2:2d:77:LEU:HD12	2:2d:110:LEU:CD2	1.70	1.19
2:6g:239:THR:O	2:7Z:246:LYS:HB3	1.42	1.19
2:7d:247:LYS:CB	2:9P:239:THR:HA	1.70	1.19
2:8e:201:VAL:N	2:9F:193:LYS:CD	2.05	1.19
2:8g:210:LEU:CD2	2:9G:206:VAL:HG11	1.70	1.19
2:1i:247:LYS:C	2:2e:239:THR:HG22	1.66	1.19
2:2f:239:THR:CG2	2:3j:247:LYS:HB3	1.70	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:222:LEU:CD1	2:3i:226:ILE:HG22	1.72	1.19
2:6j:229:GLY:O	2:7k:229:GLY:N	1.75	1.19
2:8k:201:VAL:N	2:9G:193:LYS:CD	2.05	1.19
2:8k:225:MET:HG2	2:9G:214:PRO:CD	1.71	1.19
2:8k:267:ASN:ND2	2:9G:254:SER:HB3	1.54	1.19
2:8w:225:MET:CG	2:9I:214:PRO:HD2	1.70	1.19
2:1w:267:ASN:ND2	2:3w:254:SER:C	1.93	1.19
2:9M:201:VAL:N	2:9J:193:LYS:CD	2.05	1.19
2:9M:267:ASN:HD21	2:9J:254:SER:CB	1.54	1.19
1:3C:444:GLY:O	2:3h:45:LYS:HD2	1.33	1.19
1:6B:448:ALA:HB2	2:6g:41:TYR:CD1	1.76	1.19
1:6E:202:GLU:O	1:6E:209:ALA:CB	1.90	1.19
1:1H:448:ALA:HB3	2:1j:41:TYR:CD1	1.54	1.19
1:7N:448:ALA:HA	2:7j:41:TYR:CD1	1.55	1.19
1:7R:392:THR:CB	2:7p:14:MET:HE3	1.72	1.19
1:8X:208:GLY:O	1:8X:212:GLU:HG3	1.41	1.19
1:8d:208:GLY:O	1:8d:212:GLU:HG3	1.41	1.19
2:1g:263:VAL:CG2	2:3g:256:ALA:CB	1.97	1.19
2:1h:240:THR:O	2:2t:246:LYS:HE2	1.39	1.19
2:1h:242:LEU:CD1	2:2t:236:ALA:N	2.05	1.19
2:2a:77:LEU:HD12	2:2a:110:LEU:CD2	1.70	1.19
2:2d:259:VAL:CG2	2:3k:259:VAL:CG2	2.20	1.19
2:2f:242:LEU:HD13	2:3j:235:PRO:O	1.05	1.19
2:1o:279:ILE:CG2	2:3o:272:VAL:HG12	1.59	1.19
2:6n:229:GLY:O	2:7p:229:GLY:N	1.75	1.19
2:8q:148[B]:ILE:HD12	2:9H:148[B]:ILE:CD1	1.70	1.19
2:8q:270:ILE:HD11	2:9H:269:LEU:HB2	1.23	1.19
2:1s:279:ILE:HG22	2:3s:272:VAL:CG1	1.63	1.19
2:2s:232:TYR:CD2	2:3w:232:TYR:CE2	2.29	1.19
2:6r:239:THR:CG2	2:5n:247:LYS:O	1.89	1.19
2:8w:229:GLY:N	2:9I:231:PRO:HD3	1.57	1.19
2:8y:222:LEU:CD1	2:9J:226:ILE:HG22	1.70	1.19
2:8z:239:THR:HA	2:7x:247:LYS:CB	1.70	1.19
2:2t:77:LEU:HD12	2:2t:110:LEU:CD2	1.70	1.19
2:5m:278:ILE:O	2:6w:248:GLY:N	1.75	1.19
1:7W:355:SER:HB3	1:7W:356:PRO:CD	1.72	1.19
2:2Z:236:ALA:N	2:1l:242:LEU:CD1	2.05	1.19
2:2b:234:LEU:CD2	2:3e:242:LEU:O	1.89	1.19
2:2b:246:LYS:HB3	2:3e:239:THR:C	1.65	1.19
2:5e:259:VAL:HG11	2:6g:258:ASP:CA	1.71	1.19
2:8e:270:ILE:CD1	2:9F:269:LEU:CB	2.15	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:270:ILE:N	2:9F:269:LEU:HD21	1.58	1.19
2:8h:254:SER:CB	2:8l:266:LEU:HD23	1.72	1.19
2:1k:245:VAL:CG1	2:3k:245:VAL:CG2	2.21	1.19
2:2j:246:LYS:HE2	2:1t:240:THR:O	1.39	1.19
2:2l:77:LEU:HD12	2:2l:110:LEU:CD2	1.70	1.19
2:2o:247:LYS:HG2	2:1x:280:SER:OG	1.41	1.19
2:2q:77:LEU:HD12	2:2q:110:LEU:CD2	1.70	1.19
2:2s:259:VAL:CG2	2:3w:259:VAL:CG2	2.20	1.19
2:7r:258:ASP:C	2:9L:259:VAL:CG1	2.16	1.19
1:2A:28:GLN:NE2	2:1l:27:ILE:HD12	1.54	1.19
1:7A:448:ALA:C	2:7d:58:TYR:O	1.84	1.19
1:8R:208:GLY:O	1:8R:212:GLU:HG3	1.41	1.19
1:3U:442:ALA:C	2:3t:45:LYS:NZ	1.97	1.19
2:1g:245:VAL:CG1	2:3g:245:VAL:CG2	2.21	1.19
2:2Z:236:ALA:HA	2:1l:242:LEU:CD2	1.73	1.19
2:6e:251:VAL:CG1	2:8i:279:ILE:HD12	1.65	1.19
2:8h:280:SER:OG	2:7i:247:LYS:HE2	1.03	1.19
2:1j:244:GLY:HA3	2:3j:242:LEU:HB3	1.19	1.19
2:1j:247:LYS:CB	2:3j:239:THR:CA	1.89	1.19
2:7h:250:ALA:HA	2:8p:280:SER:O	1.03	1.19
2:2j:236:ALA:HA	2:1t:242:LEU:CD2	1.73	1.19
2:2l:234:LEU:CD2	2:3m:242:LEU:O	1.89	1.19
2:2m:200:LEU:O	2:3t:197:GLN:HG3	1.40	1.19
2:5i:280:SER:O	2:6o:250:ALA:HA	1.37	1.19
2:6o:243:GLY:N	2:7j:234:LEU:HD21	1.56	1.19
2:8q:259:VAL:CG1	2:9H:259:VAL:CA	1.89	1.19
2:8t:280:SER:OG	2:7s:247:LYS:HE2	1.03	1.19
2:5k:278:ILE:O	2:6s:248:GLY:N	1.75	1.19
2:6q:256:ALA:C	2:9K:263:VAL:HG21	1.68	1.19
2:7r:250:ALA:HA	2:9L:280:SER:O	1.03	1.19
2:8w:209:LEU:CD2	2:9I:209:LEU:HD21	1.73	1.19
2:8w:238:THR:O	2:9I:246:LYS:CG	1.90	1.19
2:6w:239:THR:O	2:7t:246:LYS:HB3	1.42	1.19
2:9M:270:ILE:HD11	2:9J:269:LEU:HB2	1.23	1.19
1:7H:355:SER:CB	1:7H:356:PRO:HD3	1.70	1.19
1:6Q:202:GLU:O	1:6Q:209:ALA:CB	1.89	1.19
1:8O:444:GLY:O	2:8v:44:VAL:CG2	1.91	1.19
1:8P:448:ALA:CB	2:8u:41:TYR:CD2	2.25	1.19
1:7P:26:ASN:OD1	2:6s:52:LEU:HG	1.41	1.19
1:6Z:443:SER:CA	2:6w:56:ASN:HD21	1.55	1.19
1:6Z:443:SER:C	2:6w:56:ASN:ND2	2.00	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7W:446:ALA:HB1	2:7u:41:TYR:CD2	1.78	1.19
2:2a:239:THR:N	2:3f:247:LYS:HB2	1.52	1.19
2:7c:259:VAL:CG2	2:8j:259:VAL:HG22	1.72	1.19
2:2f:226:ILE:O	2:3j:223:ARG:CG	1.91	1.19
2:8k:238:THR:O	2:9G:246:LYS:CG	1.90	1.19
2:1m:200:LEU:CD1	2:2j:200:LEU:CD2	1.94	1.19
2:1m:247:LYS:C	2:2j:239:THR:HG22	1.66	1.19
2:1o:237:ALA:HB1	2:3o:246:LYS:HA	1.21	1.19
2:2j:236:ALA:N	2:1t:242:LEU:CD1	2.05	1.19
2:6q:269:LEU:CD2	2:9K:269:LEU:HD23	1.70	1.19
2:6s:232:TYR:CE1	2:7o:232:TYR:HD2	1.61	1.19
2:6s:240:THR:O	2:7o:246:LYS:HE2	1.43	1.19
2:8w:270:ILE:HD11	2:9I:269:LEU:HB2	1.23	1.19
2:1u:234:LEU:CD2	2:2t:242:LEU:HB2	1.73	1.19
2:2v:246:LYS:HB3	2:3u:239:THR:C	1.65	1.19
2:6w:232:TYR:CE1	2:7t:232:TYR:HD2	1.61	1.19
2:2b:222:LEU:CD1	2:3e:226:ILE:HG22	1.72	1.18
2:3g:232:TYR:CE2	2:2x:232:TYR:CD2	2.30	1.18
2:6e:256:ALA:C	2:8i:263:VAL:HG21	1.68	1.18
2:1j:226:ILE:HD11	2:3j:226:ILE:CD1	1.72	1.18
2:1k:263:VAL:CG2	2:3k:256:ALA:CB	1.97	1.18
2:2i:77:LEU:HD12	2:2i:110:LEU:CD2	1.70	1.18
2:2i:259:VAL:CG2	2:3o:259:VAL:CG2	2.20	1.18
2:6i:256:ALA:C	2:8o:263:VAL:HG21	1.68	1.18
2:8k:229:GLY:HA3	2:9G:231:PRO:CG	1.73	1.18
2:5i:259:VAL:HG11	2:6o:258:ASP:CA	1.71	1.18
2:6o:239:THR:O	2:7j:246:LYS:HB3	1.42	1.18
2:8q:229:GLY:HA3	2:9H:231:PRO:CG	1.73	1.18
2:8q:229:GLY:N	2:9H:231:PRO:HD3	1.57	1.18
2:8s:244:GLY:HA3	2:9I:242:LEU:CA	1.70	1.18
2:2o:236:ALA:HA	2:1x:242:LEU:CD2	1.73	1.18
2:7r:259:VAL:CG2	2:9L:259:VAL:HG22	1.72	1.18
2:8w:201:VAL:N	2:9I:193:LYS:CD	2.05	1.18
2:2u:239:THR:HG23	2:3v:247:LYS:HB3	1.20	1.18
2:6u:247:LYS:CE	2:9Q:277:GLY:O	1.88	1.18
2:6w:225:MET:HG2	2:7t:214:PRO:HG3	1.21	1.18
1:6Q:445:GLY:HA2	2:6n:44:VAL:HB	1.18	1.18
1:8S:392:THR:HG22	2:8w:107:LEU:HD11	1.24	1.18
2:1f:226:ILE:HD11	2:3f:226:ILE:CD1	1.72	1.18
2:2Z:273:LEU:HD21	2:1l:279:ILE:HG21	1.19	1.18
2:2a:226:ILE:O	2:3f:223:ARG:HG3	1.01	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:243:GLY:O	2:2x:244:GLY:HA2	1.42	1.18
2:7d:226:ILE:CD1	2:8f:226:ILE:CD1	2.20	1.18
2:8k:226:ILE:HA	2:9G:219:LYS:CG	1.60	1.18
2:8n:280:SER:OG	2:7n:247:LYS:HE2	1.03	1.18
2:1m:247:LYS:CG	2:2j:239:THR:CG2	1.78	1.18
2:6o:232:TYR:CE1	2:7j:232:TYR:HD2	1.61	1.18
2:7m:258:ASP:C	2:8v:259:VAL:CG1	2.16	1.18
2:1q:234:LEU:CD2	2:2o:242:LEU:HB2	1.73	1.18
2:1r:226:ILE:HD11	2:3r:226:ILE:CD1	1.72	1.18
2:1r:247:LYS:CB	2:3r:239:THR:N	2.06	1.18
2:7w:266:LEU:HA	2:9R:266:LEU:CD1	1.73	1.18
2:9M:225:MET:HG2	2:9J:214:PRO:CD	1.71	1.18
1:4K:209:ALA:HB1	1:4K:212:GLU:CG	1.73	1.18
1:3a:447:GLN:HE22	2:3x:56:ASN:ND2	1.38	1.18
1:8b:445:GLY:HA2	2:9Q:45:LYS:CB	1.72	1.18
1:8c:445:GLY:HA2	2:9P:45:LYS:HG2	1.21	1.18
2:6e:252:THR:O	2:8i:270:ILE:CD1	1.92	1.18
2:6e:256:ALA:CA	2:8i:263:VAL:CG2	2.21	1.18
2:6f:229:GLY:O	2:7f:229:GLY:N	1.75	1.18
2:6g:232:TYR:CE1	2:7Z:232:TYR:HD2	1.61	1.18
2:7d:247:LYS:HE2	2:9P:280:SER:OG	1.03	1.18
2:8g:259:VAL:CG1	2:8k:257:THR:CA	2.14	1.18
2:2g:210:LEU:HA	2:3i:206:VAL:HG11	1.18	1.18
2:6i:254:SER:CB	2:8o:266:LEU:HD23	1.73	1.18
2:2n:259:VAL:CG2	2:3s:259:VAL:CG2	2.20	1.18
2:6n:239:THR:CG2	2:5l:247:LYS:O	1.89	1.18
2:8t:254:SER:CB	2:8x:266:LEU:HD23	1.72	1.18
2:8w:226:ILE:HA	2:9I:219:LYS:CG	1.60	1.18
2:1u:200:LEU:HD12	2:2t:200:LEU:HD22	1.19	1.18
2:2u:226:ILE:O	2:3v:223:ARG:CG	1.92	1.18
2:6w:243:GLY:N	2:7t:234:LEU:HD21	1.56	1.18
2:7w:258:ASP:C	2:9R:259:VAL:CG1	2.16	1.18
2:7w:259:VAL:CG2	2:9R:259:VAL:HG22	1.72	1.18
1:4Q:209:ALA:HB1	1:4Q:212:GLU:CG	1.73	1.18
1:1a:444:GLY:HA2	2:1w:45:LYS:CD	1.74	1.18
2:2c:199:LEU:HB3	2:3l:183:PHE:CD1	1.52	1.18
2:7c:266:LEU:HA	2:8j:266:LEU:CD1	1.73	1.18
2:8e:229:GLY:N	2:9F:231:PRO:HD3	1.57	1.18
2:1k:279:ILE:HG21	2:3k:272:VAL:CG1	1.62	1.18
2:2e:236:ALA:N	2:1p:242:LEU:CD1	2.05	1.18
2:3j:41:TYR:HE2	2:3j:57:MET:HE1	1.05	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7h:258:ASP:CA	2:8p:259:VAL:HG11	1.74	1.18
2:1m:234:LEU:CD2	2:2j:242:LEU:HB2	1.73	1.18
2:2q:222:LEU:CD1	2:3q:226:ILE:HG22	1.72	1.18
2:3q:269:LEU:HD22	2:4k:270:ILE:HG12	1.26	1.18
2:6r:229:GLY:O	2:7u:229:GLY:N	1.75	1.18
2:6s:243:GLY:N	2:7o:234:LEU:HD21	1.56	1.18
2:1w:266:LEU:CD2	2:3w:265:ASP:CB	2.22	1.18
2:1w:279:ILE:HG21	2:3w:272:VAL:CG1	1.62	1.18
2:2v:236:ALA:N	2:3u:242:LEU:HD11	1.52	1.18
2:6u:254:SER:CB	2:9Q:266:LEU:HD23	1.73	1.18
2:6w:242:LEU:O	2:7t:234:LEU:HD23	1.12	1.18
2:9O:41:TYR:HE2	2:9O:57:MET:HE1	1.05	1.18
1:8L:208:GLY:O	1:8L:212:GLU:HG3	1.41	1.18
1:9C:392:THR:HG23	2:9H:46:ASP:OD1	1.43	1.18
1:7R:355:SER:HB3	1:7R:356:PRO:CD	1.72	1.18
2:1g:267:ASN:ND2	2:3g:254:SER:HB3	1.50	1.18
2:2a:226:ILE:HG22	2:3f:222:LEU:CB	1.66	1.18
2:3h:219:LYS:HA	2:2w:225:MET:O	1.44	1.18
2:7c:250:ALA:HA	2:8j:280:SER:O	1.03	1.18
2:7i:226:ILE:CD1	2:8l:226:ILE:CD1	2.20	1.18
2:1o:259:VAL:CG2	2:3o:259:VAL:H	1.45	1.18
2:6m:256:ALA:C	2:8u:263:VAL:HG21	1.68	1.18
2:8q:225:MET:HG2	2:9H:214:PRO:CD	1.71	1.18
2:8q:238:THR:O	2:9H:246:LYS:CG	1.90	1.18
2:2r:200:LEU:O	2:3x:197:GLN:HG3	1.40	1.18
2:1v:247:LYS:CB	2:3v:239:THR:N	2.06	1.18
2:1w:245:VAL:CG1	2:3w:245:VAL:CG2	2.21	1.18
2:1w:259:VAL:HG22	2:3w:259:VAL:CA	1.74	1.18
2:1w:267:ASN:ND2	2:3w:254:SER:HB3	1.50	1.18
2:6w:240:THR:O	2:7t:246:LYS:HE2	1.43	1.18
2:9M:232:TYR:OH	2:9J:234:LEU:HB2	1.43	1.18
2:9M:238:THR:O	2:9J:246:LYS:CG	1.90	1.18
1:7M:355:SER:HB3	1:7M:356:PRO:CD	1.72	1.17
1:9D:392:THR:HG23	2:9I:46:ASP:OD1	1.44	1.17
2:2c:240:THR:HA	2:3l:246:LYS:HG2	1.22	1.17
2:5e:274:LYS:NZ	2:6g:251:VAL:O	1.77	1.17
2:5e:278:ILE:O	2:6g:248:GLY:N	1.75	1.17
2:5f:247:LYS:H	2:6v:238:THR:C	1.52	1.17
2:8e:209:LEU:CD2	2:9F:209:LEU:HD21	1.73	1.17
2:2f:226:ILE:O	2:3j:223:ARG:HG3	1.01	1.17
2:6j:238:THR:C	2:5j:247:LYS:H	1.52	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6j:239:THR:HG22	2:5j:247:LYS:C	1.68	1.17
2:2l:222:LEU:CD1	2:3m:226:ILE:HG22	1.72	1.17
2:6m:254:SER:CB	2:8u:266:LEU:HD23	1.73	1.17
2:6n:239:THR:HG22	2:5l:247:LYS:C	1.69	1.17
2:1s:245:VAL:CG1	2:3s:245:VAL:CG2	2.21	1.17
2:8w:229:GLY:HA3	2:9I:231:PRO:CG	1.73	1.17
2:1u:41:TYR:HE2	2:1u:57:MET:HE1	1.05	1.17
2:2v:246:LYS:HA	2:3u:238:THR:O	1.00	1.17
2:6u:251:VAL:CG1	2:9Q:279:ILE:HD13	1.71	1.17
2:6x:41:TYR:HE2	2:6x:57:MET:HE1	1.05	1.17
2:9M:229:GLY:HA3	2:9J:231:PRO:CG	1.73	1.17
2:9M:237:ALA:HB1	2:9J:245:VAL:C	1.47	1.17
1:2G:356:PRO:CG	1:2G:369:PHE:CD2	2.27	1.17
2:1h:242:LEU:CD2	2:2t:236:ALA:HA	1.73	1.17
2:8g:235:PRO:O	2:9G:242:LEU:CD1	1.82	1.17
2:2e:273:LEU:HD21	2:1p:279:ILE:HG21	1.19	1.17
2:2g:236:ALA:N	2:3i:242:LEU:HD13	1.47	1.17
2:6i:252:THR:O	2:8o:270:ILE:CD1	1.92	1.17
2:1o:259:VAL:HG22	2:3o:259:VAL:CA	1.74	1.17
2:1o:267:ASN:ND2	2:3o:254:SER:HB3	1.50	1.17
2:8q:201:VAL:N	2:9H:193:LYS:CD	2.05	1.17
2:1q:242:LEU:HD22	2:1x:244:GLY:C	1.69	1.17
2:6q:252:THR:O	2:9K:270:ILE:CD1	1.92	1.17
2:6q:258:ASP:N	2:9K:259:VAL:CG1	1.91	1.17
2:7r:266:LEU:HA	2:9L:266:LEU:CD1	1.73	1.17
1:1C:444:GLY:CA	2:1g:45:LYS:HD2	1.73	1.17
1:4E:209:ALA:HB1	1:4E:212:GLU:CG	1.73	1.17
1:7H:355:SER:HB3	1:7H:356:PRO:CD	1.72	1.17
1:4W:209:ALA:HB1	1:4W:212:GLU:CG	1.73	1.17
1:8b:444:GLY:C	2:9Q:45:LYS:HD2	1.68	1.17
2:1e:234:LEU:CD2	2:2Z:242:LEU:HB2	1.73	1.17
2:1g:259:VAL:HG22	2:3g:259:VAL:N	1.50	1.17
2:2c:200:LEU:O	2:3l:197:GLN:HG3	1.40	1.17
2:3e:269:LEU:HD22	2:4e:270:ILE:HG12	1.26	1.17
2:3h:210:LEU:HD22	2:2w:201:VAL:CG1	1.75	1.17
2:6f:238:THR:C	2:5h:247:LYS:H	1.52	1.17
2:6g:228:ALA:HA	2:7Z:223:ARG:CD	1.75	1.17
2:1i:234:LEU:CD2	2:2e:242:LEU:HB2	1.73	1.17
2:1k:266:LEU:CD2	2:3k:265:ASP:CB	2.22	1.17
2:6k:228:ALA:HA	2:7e:223:ARG:CD	1.75	1.17
2:7h:266:LEU:HA	2:8p:266:LEU:CD1	1.73	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:148[B]:ILE:HD12	2:9G:148[B]:ILE:CD1	1.70	1.17
2:8n:254:SER:CB	2:8r:266:LEU:HD23	1.72	1.17
2:1o:266:LEU:CD2	2:3o:265:ASP:CB	2.22	1.17
2:2j:247:LYS:HG2	2:1t:280:SER:OG	1.41	1.17
2:6m:252:THR:O	2:8u:270:ILE:CD1	1.92	1.17
2:6o:225:MET:HG2	2:7j:214:PRO:HG3	1.21	1.17
2:7m:250:ALA:HA	2:8v:280:SER:O	1.03	1.17
2:2p:226:ILE:O	2:3r:223:ARG:CG	1.92	1.17
2:2p:226:ILE:O	2:3r:223:ARG:HG3	1.01	1.17
2:8w:232:TYR:OH	2:9l:234:LEU:HB2	1.43	1.17
2:1v:226:ILE:HD11	2:3v:226:ILE:CD1	1.72	1.17
2:5m:245:VAL:O	2:7t:242:LEU:CD2	1.85	1.17
2:5m:274:LYS:NZ	2:6w:251:VAL:O	1.77	1.17
2:6u:256:ALA:C	2:9Q:263:VAL:HG21	1.68	1.17
2:7w:251:VAL:HG11	2:9R:279:ILE:CD1	1.67	1.17
2:9M:237:ALA:HB3	2:9J:245:VAL:O	1.44	1.17
1:1P:448:ALA:O	2:1p:41:TYR:CE1	1.98	1.17
1:8M:445:GLY:O	2:8q:44:VAL:HG21	1.40	1.17
1:2R:25:ARG:NH2	2:4l:51:ASP:OD2	1.76	1.17
1:4c:209:ALA:HB1	1:4c:212:GLU:CG	1.73	1.17
2:2a:226:ILE:O	2:3f:223:ARG:CG	1.92	1.17
2:3g:259:VAL:CG2	2:2x:259:VAL:CG2	2.20	1.17
2:5f:247:LYS:C	2:6v:239:THR:HG22	1.69	1.17
2:6f:239:THR:HG22	2:5h:247:LYS:C	1.68	1.17
2:8e:238:THR:O	2:9F:246:LYS:CG	1.90	1.17
2:2e:236:ALA:HA	2:1p:242:LEU:CD2	1.73	1.17
2:2e:247:LYS:HG2	2:1p:280:SER:OG	1.41	1.17
2:2h:225:MET:O	2:3p:219:LYS:HA	1.44	1.17
2:7i:226:ILE:HD12	2:8l:226:ILE:CD1	1.75	1.17
2:1n:247:LYS:CB	2:3n:239:THR:N	2.06	1.17
2:1o:279:ILE:CG2	2:3o:272:VAL:HG11	1.72	1.17
2:2m:225:MET:O	2:3t:219:LYS:HA	1.44	1.17
2:8q:209:LEU:CD2	2:9H:209:LEU:HD21	1.73	1.17
2:8s:235:PRO:O	2:9I:242:LEU:CD1	1.82	1.17
2:8s:236:ALA:N	2:9I:242:LEU:CD1	2.01	1.17
2:2p:239:THR:CG2	2:3r:247:LYS:HB3	1.70	1.17
2:1v:226:ILE:CD1	2:3v:226:ILE:HD11	1.75	1.17
2:6w:239:THR:HA	2:7t:247:LYS:N	1.60	1.17
1:1B:448:ALA:HB3	2:1f:41:TYR:CD1	1.64	1.17
1:2L:356:PRO:CG	1:2L:369:PHE:CD2	2.27	1.17
1:7O:446:ALA:HB1	2:7m:41:TYR:CE2	1.03	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2V:356:PRO:CG	1:2V:369:PHE:CD2	2.27	1.17
1:2W:447:GLN:C	2:2u:41:TYR:CE1	2.17	1.17
1:3b:443:SER:CB	2:3w:56:ASN:ND2	2.08	1.17
2:1e:223:ARG:HH11	2:2Z:227:GLY:HA3	1.05	1.17
2:1f:226:ILE:CD1	2:3f:226:ILE:HD11	1.75	1.17
2:1g:266:LEU:CD2	2:3g:265:ASP:CB	2.22	1.17
2:1g:277:GLY:O	2:3g:247:LYS:CG	1.93	1.17
2:2b:246:LYS:HA	2:3e:238:THR:O	1.00	1.17
2:6e:254:SER:CB	2:8i:266:LEU:HD23	1.73	1.17
2:7c:258:ASP:C	2:8j:259:VAL:CG1	2.16	1.17
2:7c:258:ASP:CA	2:8j:259:VAL:HG11	1.74	1.17
2:8e:238:THR:O	2:9F:246:LYS:CD	1.93	1.17
2:1k:259:VAL:HG22	2:3k:259:VAL:CG2	1.75	1.17
2:8k:209:LEU:CD2	2:9G:209:LEU:HD21	1.73	1.17
2:1m:242:LEU:HD22	2:1t:244:GLY:C	1.69	1.17
2:1o:245:VAL:CG1	2:3o:245:VAL:CG2	2.21	1.17
2:2k:226:ILE:O	2:3n:223:ARG:HG3	1.01	1.17
2:5i:278:ILE:O	2:6o:248:GLY:N	1.75	1.17
2:8q:148[B]:ILE:CD1	2:9H:148[B]:ILE:HD13	1.75	1.17
2:1q:247:LYS:N	2:2o:239:THR:C	2.00	1.17
2:1s:266:LEU:CD2	2:3s:265:ASP:CB	2.22	1.17
2:6q:254:SER:CB	2:9K:266:LEU:HD23	1.73	1.17
2:6q:256:ALA:CA	2:9K:263:VAL:CG2	2.21	1.17
2:6s:239:THR:O	2:7o:246:LYS:HB3	1.42	1.17
2:8w:200:LEU:HD23	2:9I:196:LEU:CD1	1.75	1.17
2:8y:242:LEU:HD23	2:9M:246:LYS:CG	1.74	1.17
2:8z:280:SER:OG	2:7x:247:LYS:HE2	1.03	1.17
2:9M:184:LEU:HD21	2:9J:184:LEU:HD21	1.25	1.17
2:9M:229:GLY:N	2:9J:231:PRO:HD3	1.57	1.17
1:1H:448:ALA:CB	2:1j:41:TYR:CE1	2.16	1.16
1:8L:443:SER:CA	2:8m:45:LYS:HZ1	1.45	1.16
1:1N:448:ALA:HB2	2:1n:41:TYR:CD1	1.71	1.16
1:3O:442:ALA:C	2:3p:45:LYS:NZ	2.02	1.16
1:8P:448:ALA:HB2	2:8u:41:TYR:CD2	1.80	1.16
2:1f:228:ALA:CB	2:3f:228:ALA:CB	2.23	1.16
2:1h:279:ILE:HG21	2:2t:273:LEU:HD21	1.18	1.16
2:7a:229:GLY:N	2:6v:229:GLY:O	1.75	1.16
2:8e:148[B]:ILE:CD1	2:9F:148[B]:ILE:HD13	1.75	1.16
2:8e:270:ILE:HD11	2:9F:269:LEU:HB2	1.23	1.16
2:8g:120:ILE:HD11	2:9G:120:ILE:HD13	1.20	1.16
2:1k:237:ALA:HB1	2:3k:246:LYS:HA	1.21	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:200:LEU:O	2:3p:197:GLN:HG3	1.40	1.16
2:8k:232:TYR:OH	2:9G:234:LEU:HB2	1.42	1.16
2:6n:238:THR:C	2:5l:247:LYS:H	1.52	1.16
2:7m:266:LEU:HA	2:8v:266:LEU:CD1	1.73	1.16
2:8q:226:ILE:HA	2:9H:219:LYS:CG	1.60	1.16
2:6s:239:THR:HA	2:7o:247:LYS:N	1.60	1.16
2:7s:226:ILE:HD12	2:8x:226:ILE:CD1	1.75	1.16
2:7w:250:ALA:HA	2:9R:280:SER:O	1.03	1.16
2:9M:200:LEU:HD23	2:9J:196:LEU:CD1	1.75	1.16
2:9M:209:LEU:CD2	2:9J:209:LEU:HD21	1.73	1.16
1:2B:356:PRO:CG	1:2B:369:PHE:CD2	2.27	1.16
2:1e:247:LYS:N	2:2Z:239:THR:C	2.00	1.16
2:1g:263:VAL:CB	2:3g:256:ALA:HB3	1.76	1.16
2:1h:280:SER:OG	2:2t:247:LYS:HG2	1.41	1.16
2:2a:200:LEU:CD2	2:3f:200:LEU:CD1	2.17	1.16
2:2c:242:LEU:CG	2:3l:235:PRO:O	1.94	1.16
2:3g:237:ALA:CB	2:2x:245:VAL:O	1.94	1.16
2:3h:210:LEU:HD13	2:2w:201:VAL:HG22	1.23	1.16
2:3h:235:PRO:C	2:2w:242:LEU:HD12	1.53	1.16
2:6e:251:VAL:CG1	2:8i:279:ILE:HD13	1.71	1.16
2:6e:269:LEU:HD21	2:8i:269:LEU:CD2	1.71	1.16
2:1i:247:LYS:H	2:2e:239:THR:C	1.26	1.16
2:1j:226:ILE:CD1	2:3j:226:ILE:HD11	1.75	1.16
2:1j:228:ALA:CB	2:3j:228:ALA:CB	2.23	1.16
2:6k:239:THR:O	2:7e:246:LYS:HB3	1.42	1.16
2:7h:256:ALA:HB3	2:8p:263:VAL:HG21	1.16	1.16
2:8k:226:ILE:O	2:9G:219:LYS:CB	1.94	1.16
2:1o:263:VAL:CG2	2:3o:256:ALA:CB	1.97	1.16
2:2k:226:ILE:O	2:3n:223:ARG:CG	1.92	1.16
2:6m:269:LEU:HD21	2:8u:269:LEU:CD2	1.71	1.16
2:7m:258:ASP:CA	2:8v:259:VAL:HG11	1.74	1.16
2:8q:238:THR:O	2:9H:246:LYS:HD3	1.44	1.16
2:8s:246:LYS:HB3	2:9I:239:THR:C	1.70	1.16
2:1q:200:LEU:HD12	2:2o:200:LEU:HD22	1.18	1.16
2:1s:229:GLY:HA2	2:3s:231:PRO:HG3	1.26	1.16
2:2q:246:LYS:CE	2:3q:240:THR:O	1.94	1.16
2:2r:201:VAL:HG22	2:3x:210:LEU:HD13	1.23	1.16
2:2s:245:VAL:O	2:3w:237:ALA:CB	1.93	1.16
2:6s:242:LEU:C	2:7o:234:LEU:HD23	1.63	1.16
2:6s:242:LEU:HD21	2:7o:236:ALA:HA	1.27	1.16
2:8w:148[B]:ILE:CD1	2:9I:148[B]:ILE:HD13	1.75	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:238:THR:O	2:9I:246:LYS:CD	1.93	1.16
2:8z:225:MET:SD	2:7x:209:LEU:CD1	2.34	1.16
2:1v:228:ALA:CB	2:3v:228:ALA:CB	2.23	1.16
2:9M:210:LEU:HD21	2:9J:210:LEU:CD2	1.76	1.16
1:1P:443:SER:HA	2:1p:56:ASN:ND2	1.60	1.16
1:8R:444:GLY:H	2:8s:45:LYS:CD	1.57	1.16
1:2Q:356:PRO:CG	1:2Q:369:PHE:CD2	2.27	1.16
2:8e:210:LEU:HD21	2:9F:210:LEU:CD2	1.76	1.16
2:8e:226:ILE:O	2:9F:219:LYS:CB	1.94	1.16
2:8g:246:LYS:HB3	2:9G:239:THR:C	1.70	1.16
2:8h:225:MET:SD	2:7i:209:LEU:CD1	2.34	1.16
2:1k:279:ILE:CG2	2:3k:272:VAL:HG11	1.72	1.16
2:2h:242:LEU:CG	2:3p:235:PRO:O	1.94	1.16
2:5g:278:ILE:O	2:6k:248:GLY:N	1.75	1.16
2:6i:256:ALA:N	2:8o:263:VAL:HG21	1.61	1.16
2:6k:232:TYR:CE1	2:7e:232:TYR:HD2	1.61	1.16
2:7h:262:ALA:HB2	2:8p:263:VAL:HG23	1.27	1.16
2:8k:184:LEU:HD21	2:9G:184:LEU:HD21	1.25	1.16
2:8n:225:MET:SD	2:7n:209:LEU:CD1	2.34	1.16
2:8n:239:THR:HG23	2:7n:247:LYS:HD3	1.18	1.16
2:1o:267:ASN:ND2	2:3o:254:SER:C	1.93	1.16
2:2n:244:GLY:HA2	2:3s:243:GLY:O	1.42	1.16
2:1s:259:VAL:HG22	2:3s:259:VAL:CG2	1.75	1.16
2:6r:238:THR:C	2:5n:247:LYS:H	1.52	1.16
2:6s:228:ALA:HA	2:7o:223:ARG:CD	1.74	1.16
2:1u:200:LEU:CD1	2:2t:200:LEU:CD2	1.94	1.16
2:1u:247:LYS:H	2:2t:239:THR:C	1.26	1.16
2:1w:259:VAL:HG22	2:3w:259:VAL:CG2	1.75	1.16
2:6u:256:ALA:N	2:9Q:263:VAL:HG21	1.61	1.16
2:9M:238:THR:O	2:9J:246:LYS:CD	1.94	1.16
2:1h:244:GLY:C	2:1u:242:LEU:HD22	1.70	1.16
2:2Z:232:TYR:CD2	2:1l:232:TYR:CZ	2.34	1.16
2:3h:235:PRO:O	2:2w:242:LEU:CG	1.94	1.16
2:6e:256:ALA:N	2:8i:263:VAL:HG21	1.61	1.16
2:7d:226:ILE:HD12	2:8f:226:ILE:CD1	1.75	1.16
2:8e:200:LEU:HD23	2:9F:196:LEU:CD1	1.75	1.16
2:1j:247:LYS:CB	2:3j:239:THR:N	2.06	1.16
2:1k:279:ILE:C	2:3k:248:GLY:O	1.89	1.16
2:2f:239:THR:HG22	2:3j:247:LYS:O	1.25	1.16
2:7h:258:ASP:C	2:8p:259:VAL:CG1	2.16	1.16
2:8k:238:THR:O	2:9G:246:LYS:HD3	1.44	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:238:THR:O	2:9G:246:LYS:CD	1.93	1.16
2:2k:239:THR:HG23	2:3n:247:LYS:HB3	1.20	1.16
2:6o:239:THR:HA	2:7j:247:LYS:N	1.60	1.16
2:8q:238:THR:O	2:9H:246:LYS:CD	1.93	1.16
2:8t:242:LEU:HB2	2:7s:234:LEU:HD23	1.24	1.16
2:1s:259:VAL:HG22	2:3s:259:VAL:CA	1.74	1.16
2:1s:279:ILE:HG21	2:3s:272:VAL:CG1	1.62	1.16
2:6q:269:LEU:HD21	2:9K:269:LEU:CD2	1.71	1.16
2:7r:258:ASP:CA	2:9L:259:VAL:HG11	1.74	1.16
2:2v:246:LYS:CE	2:3u:240:THR:O	1.93	1.16
2:6u:252:THR:O	2:9Q:270:ILE:CD1	1.92	1.16
1:7C:355:SER:HB3	1:7C:356:PRO:CD	1.72	1.16
2:2c:226:ILE:C	2:3l:223:ARG:HG3	1.34	1.16
2:2d:245:VAL:O	2:3k:237:ALA:CB	1.94	1.16
2:8g:242:LEU:HD23	2:8k:246:LYS:CG	1.74	1.16
2:1j:223:ARG:HD3	2:3j:227:GLY:C	1.71	1.16
2:1k:277:GLY:O	2:3k:247:LYS:CG	1.92	1.16
2:2e:232:TYR:CD2	2:1p:232:TYR:CZ	2.34	1.16
2:7h:248:GLY:O	2:8p:280:SER:N	1.78	1.16
2:8m:120:ILE:HD11	2:9H:120:ILE:HD13	1.21	1.16
2:8m:259:VAL:CG1	2:8q:257:THR:CA	2.14	1.16
2:1o:279:ILE:HG22	2:3o:272:VAL:CG1	1.63	1.16
2:2n:245:VAL:O	2:3s:237:ALA:CB	1.94	1.16
2:8s:242:LEU:HD23	2:8w:246:LYS:CG	1.74	1.16
2:1r:226:ILE:CD1	2:3r:226:ILE:HD11	1.75	1.16
2:1s:237:ALA:HB1	2:3s:246:LYS:HA	1.21	1.16
2:5k:274:LYS:NZ	2:6s:251:VAL:O	1.77	1.16
2:6q:251:VAL:CG1	2:9K:279:ILE:HD13	1.71	1.16
2:6r:226:ILE:O	2:5n:223:ARG:HG3	1.45	1.16
2:8w:210:LEU:HD21	2:9I:210:LEU:CD2	1.76	1.16
2:1w:229:GLY:HA2	2:3w:231:PRO:HG3	1.26	1.16
2:1w:263:VAL:CB	2:3w:256:ALA:HB3	1.76	1.16
2:1w:277:GLY:O	2:3w:247:LYS:CG	1.93	1.16
2:6u:269:LEU:CD2	2:9Q:269:LEU:HD23	1.70	1.16
2:7w:262:ALA:HB2	2:9R:263:VAL:HG23	1.27	1.16
2:7x:226:ILE:HD12	2:9N:226:ILE:CD1	1.75	1.16
1:2A:28:GLN:NE2	2:1l:27:ILE:CD1	2.08	1.15
2:1e:242:LEU:HD22	2:1l:244:GLY:C	1.69	1.15
2:1f:247:LYS:CB	2:3f:239:THR:N	2.06	1.15
2:2a:200:LEU:HD22	2:3f:200:LEU:HD12	1.21	1.15
2:2a:239:THR:CG2	2:3f:247:LYS:HB3	1.70	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:246:LYS:CE	2:3e:240:THR:O	1.93	1.15
2:3g:148[B]:ILE:HD12	2:2x:148[B]:ILE:HD11	1.28	1.15
2:5f:223:ARG:HG3	2:6v:226:ILE:O	1.45	1.15
2:8f:41:TYR:HE2	2:8f:57:MET:HE1	1.05	1.15
2:1i:242:LEU:HD22	2:1p:244:GLY:C	1.69	1.15
2:1k:259:VAL:HG22	2:3k:259:VAL:CA	1.74	1.15
2:1k:263:VAL:CB	2:3k:256:ALA:HB3	1.76	1.15
2:2g:246:LYS:CE	2:3i:240:THR:O	1.93	1.15
2:2h:201:VAL:CG1	2:3p:210:LEU:HD22	1.75	1.15
2:5g:274:LYS:NZ	2:6k:251:VAL:O	1.77	1.15
2:6l:41:TYR:HE2	2:6l:57:MET:HE1	1.05	1.15
2:8m:242:LEU:HD23	2:8q:246:LYS:CG	1.74	1.15
2:1o:259:VAL:HG22	2:3o:259:VAL:CG2	1.75	1.15
2:7m:262:ALA:HB2	2:8v:263:VAL:HG23	1.27	1.15
2:8s:242:LEU:HD23	2:8w:246:LYS:HG2	1.25	1.15
2:2p:239:THR:HG22	2:3r:247:LYS:O	1.25	1.15
2:2q:246:LYS:HA	2:3q:238:THR:O	1.00	1.15
2:2r:201:VAL:CG1	2:3x:210:LEU:HD22	1.75	1.15
2:8z:226:ILE:HD11	2:7x:226:ILE:HD11	1.22	1.15
2:1w:266:LEU:HD11	2:3w:266:LEU:HA	1.27	1.15
2:9M:225:MET:SD	2:9J:212:GLY:O	2.05	1.15
2:9M:244:GLY:HA2	2:9J:244:GLY:HA2	1.16	1.15
1:2B:392:THR:OG1	2:2b:46:ASP:OD2	1.61	1.15
1:2B:447:GLN:C	2:2b:41:TYR:CE1	2.14	1.15
1:4F:445:GLY:H	2:4f:44:VAL:HG22	1.07	1.15
1:8C:445:GLY:HA2	2:8j:45:LYS:HG2	1.15	1.15
1:2L:392:THR:OG1	2:2l:46:ASP:OD2	1.61	1.15
1:2U:28:GLN:HE21	2:1h:27:ILE:HD11	1.06	1.15
1:8b:445:GLY:CA	2:9Q:45:LYS:HB2	1.76	1.15
2:1g:279:ILE:C	2:3g:248:GLY:O	1.89	1.15
2:2e:247:LYS:HB3	2:1p:239:THR:HG23	1.15	1.15
2:8k:148[B]:ILE:HD12	2:9G:148[B]:ILE:HD11	1.16	1.15
2:8m:246:LYS:HB3	2:9H:239:THR:C	1.70	1.15
2:1m:247:LYS:N	2:2j:239:THR:C	2.00	1.15
2:1o:277:GLY:O	2:3o:247:LYS:CG	1.93	1.15
2:1o:279:ILE:C	2:3o:248:GLY:O	1.89	1.15
2:2m:201:VAL:CG1	2:3t:210:LEU:HD22	1.74	1.15
2:7m:259:VAL:HG23	2:8v:259:VAL:CG2	1.76	1.15
2:7n:226:ILE:HD12	2:8r:226:ILE:CD1	1.75	1.15
2:8q:200:LEU:HD23	2:9H:196:LEU:CD1	1.75	1.15
2:1r:228:ALA:CB	2:3r:228:ALA:CB	2.23	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1r:247:LYS:HD3	2:3r:239:THR:HG23	1.20	1.15
2:2s:234:LEU:HD13	2:3w:234:LEU:CD1	1.76	1.15
2:7r:248:GLY:O	2:9L:280:SER:N	1.78	1.15
2:7r:259:VAL:HG23	2:9L:259:VAL:CG2	1.76	1.15
2:8z:242:LEU:HB2	2:7x:234:LEU:HD23	1.24	1.15
2:2u:226:ILE:O	2:3v:223:ARG:HG3	1.01	1.15
2:3v:41:TYR:HE2	2:3v:57:MET:HE1	1.05	1.15
2:6w:228:ALA:HA	2:7t:223:ARG:CD	1.74	1.15
2:7w:256:ALA:HB3	2:9R:263:VAL:HG21	1.16	1.15
1:1C:444:GLY:N	2:1g:45:LYS:NZ	1.94	1.15
1:8F:443:SER:CA	2:8g:45:LYS:HZ1	1.60	1.15
1:3I:447:GLN:CG	2:3l:44:VAL:CG2	2.25	1.15
1:7M:355:SER:HB3	1:7M:356:PRO:HD3	1.16	1.15
1:9D:392:THR:HG23	2:9I:46:ASP:OD2	1.42	1.15
2:1g:259:VAL:HG22	2:3g:259:VAL:CG2	1.75	1.15
2:8e:238:THR:O	2:9F:246:LYS:HD3	1.44	1.15
2:1i:247:LYS:N	2:2e:239:THR:C	2.00	1.15
2:2e:234:LEU:CD2	2:1p:242:LEU:C	2.20	1.15
2:6i:256:ALA:CA	2:8o:263:VAL:CG2	2.21	1.15
2:6i:257:THR:CA	2:8o:259:VAL:HG11	1.76	1.15
2:6k:240:THR:O	2:7e:246:LYS:HE2	1.43	1.15
2:1n:228:ALA:CB	2:3n:228:ALA:CB	2.23	1.15
2:2l:246:LYS:CE	2:3m:240:THR:O	1.94	1.15
2:5i:274:LYS:NZ	2:6o:251:VAL:O	1.77	1.15
2:6m:256:ALA:N	2:8u:263:VAL:HG21	1.61	1.15
2:8s:266:LEU:HD23	2:8w:254:SER:HB3	1.17	1.15
2:7r:262:ALA:HB2	2:9L:263:VAL:HG23	1.27	1.15
2:7w:258:ASP:CA	2:9R:259:VAL:HG11	1.74	1.15
2:1f:223:ARG:HD3	2:3f:227:GLY:C	1.71	1.15
2:2c:201:VAL:CG1	2:3l:210:LEU:HD22	1.75	1.15
2:8e:225:MET:SD	2:9F:212:GLY:O	2.05	1.15
2:8e:229:GLY:HA3	2:9F:231:PRO:CG	1.73	1.15
2:8e:246:LYS:CG	2:9O:242:LEU:HD23	1.74	1.15
2:8g:41:TYR:HE2	2:8g:57:MET:HE1	1.05	1.15
2:2e:222:LEU:CD1	2:1p:226:ILE:HG22	1.76	1.15
2:2f:226:ILE:HG22	2:3j:222:LEU:CB	1.66	1.15
2:2g:246:LYS:HA	2:3i:238:THR:O	1.00	1.15
2:2i:245:VAL:O	2:3o:237:ALA:CB	1.94	1.15
2:6k:239:THR:HA	2:7e:247:LYS:N	1.60	1.15
2:2l:246:LYS:HA	2:3m:238:THR:O	1.00	1.15
2:7m:248:GLY:O	2:8v:280:SER:N	1.78	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:277:GLY:O	2:3s:247:LYS:CG	1.93	1.15
2:2o:232:TYR:CD2	2:1x:232:TYR:CZ	2.34	1.15
2:2q:236:ALA:N	2:3q:242:LEU:HD11	1.52	1.15
2:2r:199:LEU:CB	2:3x:183:PHE:CD1	2.25	1.15
2:5k:277:GLY:O	2:6s:247:LYS:HG3	1.47	1.15
2:6q:256:ALA:N	2:9K:263:VAL:HG21	1.61	1.15
2:6r:239:THR:HG22	2:5n:247:LYS:C	1.68	1.15
2:1w:259:VAL:CG2	2:3w:259:VAL:H	1.45	1.15
2:9M:148[B]:ILE:CD1	2:9J:148[B]:ILE:HD13	1.75	1.15
2:1g:259:VAL:HG22	2:3g:259:VAL:CA	1.74	1.15
2:1h:232:TYR:CZ	2:2t:232:TYR:CD2	2.34	1.15
2:1h:242:LEU:C	2:2t:234:LEU:CD2	2.20	1.15
2:1h:245:VAL:C	2:1u:242:LEU:HD23	1.72	1.15
2:3g:234:LEU:CD1	2:2x:234:LEU:HD13	1.77	1.15
2:6e:254:SER:C	2:8i:263:VAL:HG13	1.72	1.15
2:6g:239:THR:HA	2:7Z:247:LYS:N	1.60	1.15
2:7c:259:VAL:HG23	2:8j:259:VAL:CG2	1.76	1.15
2:7d:209:LEU:CD1	2:9P:225:MET:SD	2.34	1.15
2:8k:200:LEU:HD23	2:9G:196:LEU:CD1	1.75	1.15
2:8k:225:MET:SD	2:9G:212:GLY:C	2.30	1.15
2:8m:244:GLY:HA3	2:9H:242:LEU:HB3	1.16	1.15
2:2j:222:LEU:CD1	2:1t:226:ILE:HG22	1.77	1.15
2:2j:232:TYR:CD2	2:1t:232:TYR:CZ	2.34	1.15
2:2n:266:LEU:HD13	2:3s:266:LEU:HD13	1.28	1.15
2:8q:270:ILE:HG23	2:9H:269:LEU:HD13	1.21	1.15
2:8y:210:LEU:CD2	2:9J:206:VAL:CG1	2.25	1.15
2:2u:228:ALA:CB	2:3v:228:ALA:HB1	1.76	1.15
2:2v:246:LYS:HE2	2:3u:240:THR:C	1.72	1.15
2:7w:248:GLY:O	2:9R:280:SER:N	1.78	1.15
2:9M:225:MET:SD	2:9J:212:GLY:C	2.30	1.15
1:7H:355:SER:HB3	1:7H:356:PRO:HD3	1.16	1.14
1:9D:446:ALA:HB3	2:9I:55:VAL:HG22	1.17	1.14
2:1e:41:TYR:HE2	2:1e:57:MET:HE1	1.05	1.14
2:6g:225:MET:HG2	2:7Z:214:PRO:HG3	1.21	1.14
2:8e:270:ILE:HG23	2:9F:269:LEU:HD13	1.21	1.14
2:9F:239:THR:C	2:9O:246:LYS:HB3	1.70	1.14
2:8k:210:LEU:HD21	2:9G:210:LEU:CD2	1.76	1.14
2:1n:223:ARG:HD3	2:3n:227:GLY:C	1.71	1.14
2:2m:242:LEU:CG	2:3t:235:PRO:O	1.94	1.14
2:8q:184:LEU:HD21	2:9H:184:LEU:HD21	1.25	1.14
2:8q:232:TYR:OH	2:9H:234:LEU:HB2	1.42	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8t:225:MET:SD	2:7s:209:LEU:CD1	2.34	1.14
2:1q:242:LEU:HD23	2:1x:245:VAL:C	1.72	1.14
2:1s:263:VAL:CB	2:3s:256:ALA:HB3	1.76	1.14
2:1s:267:ASN:ND2	2:3s:254:SER:O	1.81	1.14
2:2o:234:LEU:CD2	2:1x:242:LEU:C	2.20	1.14
2:8w:226:ILE:O	2:9I:219:LYS:CB	1.94	1.14
2:8y:244:GLY:HA3	2:9J:242:LEU:HB3	1.15	1.14
2:1w:279:ILE:HB	2:3w:249:ALA:O	1.47	1.14
2:2u:200:LEU:CD2	2:3v:200:LEU:CD1	2.17	1.14
2:2v:209:LEU:HD12	2:3u:225:MET:SD	1.88	1.14
1:7G:447:GLN:HG2	2:7g:44:VAL:CG2	1.76	1.14
1:8b:447:GLN:HG2	2:9Q:44:VAL:HG22	1.25	1.14
2:1f:228:ALA:CB	2:3f:228:ALA:HB2	1.78	1.14
2:1g:237:ALA:HB1	2:3g:246:LYS:HA	1.21	1.14
2:2Z:234:LEU:CD2	2:1l:242:LEU:C	2.20	1.14
2:6g:240:THR:O	2:7Z:246:LYS:HE2	1.43	1.14
2:7c:262:ALA:HB2	2:8j:263:VAL:HG23	1.27	1.14
2:8e:232:TYR:OH	2:9F:234:LEU:HB2	1.43	1.14
2:8g:242:LEU:HD23	2:8k:246:LYS:HG2	1.25	1.14
2:8g:266:LEU:HD21	2:8k:254:SER:HB2	1.19	1.14
2:2f:239:THR:HG23	2:3j:247:LYS:HB3	1.20	1.14
2:2g:209:LEU:HD12	2:3i:225:MET:SD	1.88	1.14
2:2i:266:LEU:HD13	2:3o:266:LEU:HD13	1.28	1.14
2:3i:269:LEU:HD22	2:4g:270:ILE:HG12	1.26	1.14
2:7h:259:VAL:HG23	2:8p:259:VAL:CG2	1.76	1.14
2:1n:226:ILE:CD1	2:3n:226:ILE:HD11	1.75	1.14
2:2l:223:ARG:HD2	2:3m:228:ALA:HA	1.30	1.14
2:8q:226:ILE:O	2:9H:219:LYS:CB	1.94	1.14
2:8q:278:ILE:CB	2:9H:278:ILE:HD13	1.72	1.14
2:8s:222:LEU:CB	2:9I:226:ILE:HG22	1.72	1.14
2:1r:223:ARG:HD3	2:3r:227:GLY:C	1.71	1.14
2:1s:279:ILE:HB	2:3s:249:ALA:O	1.47	1.14
2:2r:240:THR:HA	2:3x:246:LYS:HG2	1.22	1.14
2:2r:242:LEU:CG	2:3x:235:PRO:O	1.93	1.14
2:2s:244:GLY:HA2	2:3w:243:GLY:O	1.41	1.14
2:8w:225:MET:SD	2:9I:212:GLY:C	2.30	1.14
2:8y:246:LYS:HB3	2:9J:239:THR:C	1.70	1.14
2:2v:223:ARG:CD	2:3u:228:ALA:HA	1.78	1.14
2:9M:238:THR:O	2:9J:246:LYS:HD3	1.44	1.14
1:4F:445:GLY:N	2:4f:44:VAL:HG22	1.62	1.14
1:8C:445:GLY:HA2	2:8j:45:LYS:CG	1.77	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8V:444:GLY:H	2:9K:45:LYS:CE	1.50	1.14
1:8X:445:GLY:HA2	2:8y:45:LYS:H	0.98	1.14
2:1f:200:LEU:HD11	2:3f:200:LEU:HD22	1.17	1.14
2:1g:278:ILE:CG2	2:3g:278:ILE:CD1	2.01	1.14
2:2c:225:MET:O	2:3l:219:LYS:HA	1.44	1.14
2:6f:226:ILE:O	2:5h:223:ARG:HG3	1.45	1.14
2:7c:248:GLY:O	2:8j:280:SER:N	1.78	1.14
2:7c:278:ILE:CD1	2:8j:278:ILE:HG23	1.78	1.14
2:8e:225:MET:SD	2:9F:212:GLY:C	2.30	1.14
2:2i:244:GLY:HA2	2:3o:243:GLY:O	1.41	1.14
2:6l:111:VAL:HG22	2:7h:57:MET:HE2	1.16	1.14
2:8k:278:ILE:CB	2:9G:278:ILE:HD13	1.72	1.14
2:1o:263:VAL:CB	2:3o:256:ALA:HB3	1.76	1.14
2:3m:269:LEU:HD22	2:4i:270:ILE:HG12	1.26	1.14
2:6m:256:ALA:CA	2:8u:263:VAL:CG2	2.21	1.14
2:8s:210:LEU:CD2	2:9I:206:VAL:CG1	2.25	1.14
2:8u:99:VAL:HG12	2:7q:28:ILE:CD1	1.78	1.14
2:1s:279:ILE:C	2:3s:248:GLY:O	1.89	1.14
2:2p:228:ALA:CB	2:3r:228:ALA:CB	2.26	1.14
2:2p:228:ALA:CB	2:3r:228:ALA:HB1	1.76	1.14
2:2r:225:MET:O	2:3x:219:LYS:HA	1.44	1.14
2:8w:225:MET:SD	2:9I:212:GLY:O	2.05	1.14
2:1v:223:ARG:HD3	2:3v:227:GLY:C	1.71	1.14
2:6u:269:LEU:HD21	2:9Q:269:LEU:CD2	1.71	1.14
2:7w:259:VAL:HG23	2:9R:259:VAL:CG2	1.76	1.14
1:6Q:202:GLU:O	1:6Q:209:ALA:HB1	0.96	1.14
1:9D:446:ALA:O	2:9I:55:VAL:CA	1.96	1.14
2:2b:236:ALA:N	2:3e:242:LEU:HD13	1.47	1.14
2:3g:226:ILE:HA	2:2x:219:LYS:HG2	1.19	1.14
2:8g:266:LEU:HD23	2:8k:254:SER:HB3	1.17	1.14
2:1i:120:ILE:CD1	2:2e:120:ILE:HD13	1.77	1.14
2:1j:247:LYS:CD	2:3j:239:THR:HG23	1.78	1.14
2:2f:228:ALA:CB	2:3j:228:ALA:HB1	1.76	1.14
2:5g:267:ASN:ND2	2:6k:254:SER:O	1.81	1.14
2:6i:254:SER:C	2:8o:263:VAL:HG13	1.72	1.14
2:7h:278:ILE:CD1	2:8p:278:ILE:HG23	1.78	1.14
2:8n:242:LEU:HB2	2:7n:234:LEU:HD23	1.24	1.14
2:8o:61:ALA:HB1	2:7l:57:MET:HE3	1.14	1.14
2:1m:242:LEU:HD23	2:1t:245:VAL:C	1.72	1.14
2:1o:277:GLY:O	2:3o:247:LYS:HG3	0.97	1.14
2:2k:239:THR:N	2:3n:247:LYS:HB2	1.52	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:269:LEU:CD2	2:8u:269:LEU:HD23	1.70	1.14
2:6o:228:ALA:HA	2:7j:223:ARG:CD	1.75	1.14
2:8q:148[B]:ILE:HD12	2:9H:148[B]:ILE:HD11	1.16	1.14
2:8q:210:LEU:HD21	2:9H:210:LEU:CD2	1.76	1.14
2:8s:259:VAL:CG1	2:8w:257:THR:CA	2.14	1.14
2:2o:222:LEU:CD1	2:1x:226:ILE:HG22	1.76	1.14
2:8y:41:TYR:HE2	2:8y:57:MET:HE1	1.05	1.14
2:1v:228:ALA:CB	2:3v:228:ALA:HB2	1.78	1.14
1:7S:397:THR:HG22	2:7o:107:LEU:HB2	1.23	1.14
1:1Z:448:ALA:HB2	2:1v:41:TYR:CD1	1.82	1.14
2:2Z:247:LYS:HG2	2:1l:280:SER:OG	1.42	1.14
2:2Z:247:LYS:N	2:1l:239:THR:HA	1.62	1.14
2:2d:234:LEU:HD13	2:3k:234:LEU:CD1	1.77	1.14
2:5e:263:VAL:HG13	2:6g:254:SER:OG	1.48	1.14
2:6g:242:LEU:C	2:7Z:234:LEU:HD23	1.63	1.14
2:1i:247:LYS:CG	2:2e:239:THR:CG2	1.78	1.14
2:1k:277:GLY:O	2:3k:247:LYS:HG3	0.97	1.14
2:6i:254:SER:HB2	2:8o:266:LEU:CD2	1.78	1.14
2:6k:242:LEU:HD21	2:7e:236:ALA:HA	1.27	1.14
2:8o:99:VAL:HG12	2:7l:28:ILE:CD1	1.78	1.14
2:2k:228:ALA:CB	2:3n:228:ALA:HB1	1.76	1.14
2:2n:234:LEU:HD13	2:3s:234:LEU:CD1	1.77	1.14
2:6o:240:THR:O	2:7j:246:LYS:HE2	1.43	1.14
2:8q:237:ALA:HB3	2:9H:245:VAL:O	1.43	1.14
2:1q:200:LEU:CD1	2:2o:200:LEU:CD2	1.94	1.14
2:1q:247:LYS:HG2	2:2o:239:THR:HG22	1.30	1.14
2:1q:247:LYS:H	2:2o:239:THR:C	1.26	1.14
2:2q:210:LEU:HA	2:3q:206:VAL:HG11	1.18	1.14
2:1v:244:GLY:HA3	2:3v:242:LEU:HB3	1.19	1.14
1:5F:446:ALA:HB1	2:5f:56:ASN:CG	1.72	1.13
1:6E:202:GLU:O	1:6E:209:ALA:HB1	0.96	1.13
1:2K:28:GLN:HE21	2:1t:27:ILE:HD11	1.13	1.13
1:1V:448:ALA:O	2:1t:41:TYR:HE1	1.21	1.13
1:8Z:448:ALA:HB3	2:9N:57:MET:CE	1.76	1.13
2:2a:228:ALA:CB	2:3f:228:ALA:CB	2.26	1.13
2:2b:223:ARG:CD	2:3e:228:ALA:HA	1.78	1.13
2:2b:246:LYS:HE2	2:3e:240:THR:C	1.72	1.13
2:6g:232:TYR:CE1	2:7Z:232:TYR:CD2	2.36	1.13
2:6h:111:VAL:HG22	2:7c:57:MET:HE2	1.16	1.13
2:6h:267:ASN:OD1	2:8j:254:SER:N	1.81	1.13
2:9F:240:THR:HA	2:9O:246:LYS:HD3	1.30	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:278:ILE:CG2	2:3k:278:ILE:CD1	2.01	1.13
2:2e:210:LEU:HA	2:1p:206:VAL:HG11	1.24	1.13
2:6k:232:TYR:CE1	2:7e:232:TYR:CD2	2.36	1.13
2:8k:225:MET:SD	2:9G:212:GLY:O	2.05	1.13
2:8m:236:ALA:N	2:9H:242:LEU:CD1	2.01	1.13
2:2j:234:LEU:CD2	2:1t:242:LEU:C	2.20	1.13
2:6m:251:VAL:HG13	2:8u:279:ILE:HD13	1.25	1.13
2:8q:225:MET:SD	2:9H:212:GLY:C	2.30	1.13
2:2p:226:ILE:HG22	2:3r:222:LEU:CB	1.66	1.13
2:2q:246:LYS:HE2	2:3q:240:THR:C	1.72	1.13
2:6s:232:TYR:CE1	2:7o:232:TYR:CD2	2.36	1.13
2:7r:278:ILE:CD1	2:9L:278:ILE:HG23	1.78	1.13
2:8w:200:LEU:HD22	2:9I:196:LEU:CB	1.79	1.13
2:8y:266:LEU:HD21	2:9M:254:SER:HB2	1.19	1.13
2:1v:247:LYS:CD	2:3v:239:THR:HG23	1.78	1.13
2:1w:267:ASN:ND2	2:3w:254:SER:O	1.81	1.13
2:3u:269:LEU:HD22	2:4m:270:ILE:HG12	1.26	1.13
2:9M:226:ILE:O	2:9J:219:LYS:CB	1.94	1.13
1:7C:355:SER:HB3	1:7C:356:PRO:HD3	1.16	1.13
1:7E:448:ALA:HB2	2:7c:60:LEU:CG	1.79	1.13
1:5W:199:LYS:HG3	1:5W:202:GLU:HG3	1.26	1.13
2:1e:242:LEU:HD23	2:1l:245:VAL:C	1.72	1.13
2:1h:226:ILE:HG22	2:2t:222:LEU:CD1	1.77	1.13
2:2b:209:LEU:HD12	2:3e:225:MET:SD	1.88	1.13
2:1i:200:LEU:CD1	2:2e:200:LEU:CD2	1.94	1.13
2:1i:242:LEU:HD23	2:1p:245:VAL:C	1.72	1.13
2:2h:199:LEU:HB3	2:3p:183:PHE:CD1	1.52	1.13
2:8k:244:GLY:HA2	2:9G:244:GLY:HA2	1.15	1.13
2:8k:270:ILE:N	2:9G:269:LEU:HD21	1.58	1.13
2:2k:200:LEU:HD22	2:3n:200:LEU:HD12	1.21	1.13
2:2l:246:LYS:HE2	2:3m:240:THR:C	1.72	1.13
2:8t:239:THR:HG23	2:7s:247:LYS:HD3	1.18	1.13
2:1q:120:ILE:CD1	2:2o:120:ILE:HD13	1.77	1.13
2:1r:247:LYS:CD	2:3r:239:THR:HG23	1.78	1.13
2:1s:277:GLY:O	2:3s:247:LYS:HG3	0.97	1.13
2:2r:242:LEU:HD21	2:3x:237:ALA:H	1.13	1.13
2:1u:120:ILE:CD1	2:2t:120:ILE:HD13	1.77	1.13
2:6x:111:VAL:HG22	2:7w:57:MET:HE2	1.17	1.13
2:9M:232:TYR:CG	2:9J:232:TYR:CB	2.05	1.13
1:4L:446:ALA:CB	2:4h:56:ASN:HB2	1.77	1.13
1:7N:392:THR:CB	2:7j:46:ASP:OD2	1.96	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7S:446:ALA:HB1	2:7o:41:TYR:CD2	1.82	1.13
1:1b:448:ALA:O	2:1x:41:TYR:CE1	2.02	1.13
1:5c:445:GLY:HA2	2:5m:44:VAL:HB	1.19	1.13
1:8Y:446:ALA:O	2:9M:56:ASN:N	1.79	1.13
2:1e:223:ARG:NH1	2:2Z:227:GLY:HA3	1.62	1.13
2:3h:237:ALA:H	2:2w:242:LEU:HD21	1.13	1.13
2:6f:41:TYR:HE2	2:6f:57:MET:HE1	1.05	1.13
2:8e:254:SER:HB3	2:9O:266:LEU:HD23	1.17	1.13
2:2g:236:ALA:N	2:3i:242:LEU:HD11	1.52	1.13
2:2h:226:ILE:C	2:3p:223:ARG:HG3	1.34	1.13
2:8k:148[B]:ILE:CD1	2:9G:148[B]:ILE:HD13	1.75	1.13
2:8n:254:SER:HB3	2:8r:266:LEU:HD23	1.28	1.13
2:1m:120:ILE:CD1	2:2j:120:ILE:HD13	1.77	1.13
2:1m:200:LEU:HD12	2:2j:200:LEU:HD22	1.18	1.13
2:2m:242:LEU:HD12	2:3t:235:PRO:C	1.53	1.13
2:7m:250:ALA:CA	2:8v:280:SER:O	1.97	1.13
2:8q:225:MET:SD	2:9H:212:GLY:O	2.05	1.13
2:8q:279:ILE:CA	2:9H:248:GLY:CA	2.10	1.13
2:1q:223:ARG:NH1	2:2o:227:GLY:HA3	1.62	1.13
2:1s:259:VAL:HG22	2:3s:259:VAL:N	1.50	1.13
2:2q:223:ARG:CD	2:3q:228:ALA:HA	1.78	1.13
2:8y:246:LYS:HD3	2:9J:240:THR:HA	1.30	1.13
2:1w:279:ILE:C	2:3w:248:GLY:O	1.89	1.13
2:5m:41:TYR:HE2	2:5m:57:MET:HE1	1.05	1.13
2:5m:277:GLY:O	2:6w:247:LYS:HG3	1.47	1.13
2:7w:278:ILE:CD1	2:9R:278:ILE:HG23	1.78	1.13
1:8G:447:GLN:CG	2:8k:44:VAL:CG1	2.24	1.13
1:7W:355:SER:HB3	1:7W:356:PRO:HD3	1.16	1.13
2:1g:120:ILE:CD1	2:2x:120:ILE:CD1	2.15	1.13
2:2a:239:THR:HG23	2:3f:247:LYS:HB3	1.20	1.13
2:2d:219:LYS:HG2	2:3k:226:ILE:HA	1.19	1.13
2:7b:28:ILE:CD1	2:9Q:99:VAL:HG12	1.77	1.13
2:8e:257:THR:HA	2:9O:259:VAL:HG12	1.29	1.13
2:8h:242:LEU:HB2	2:7i:234:LEU:HD23	1.24	1.13
2:1k:266:LEU:HD11	2:3k:266:LEU:HA	1.27	1.13
2:2e:222:LEU:HD13	2:1p:226:ILE:HG22	1.31	1.13
2:2e:223:ARG:CD	2:1p:228:ALA:HA	1.79	1.13
2:2f:200:LEU:CD2	2:3j:200:LEU:CD1	2.17	1.13
2:2f:228:ALA:CB	2:3j:228:ALA:CB	2.26	1.13
2:2f:239:THR:N	2:3j:247:LYS:HB2	1.52	1.13
2:2g:223:ARG:CD	2:3i:228:ALA:HA	1.78	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:269:LEU:HD22	2:3o:270:ILE:HG12	1.14	1.13
2:6k:242:LEU:C	2:7e:234:LEU:HD23	1.63	1.13
2:1o:229:GLY:HA2	2:3o:231:PRO:HG3	1.26	1.13
2:2j:214:PRO:HG3	2:1t:225:MET:HG2	1.30	1.13
2:2k:242:LEU:CD1	2:3n:236:ALA:HA	1.79	1.13
2:5i:277:GLY:O	2:6o:247:LYS:HG3	1.47	1.13
2:6m:254:SER:C	2:8u:263:VAL:HG13	1.72	1.13
2:7m:251:VAL:HG13	2:8v:279:ILE:HD12	1.28	1.13
2:2o:236:ALA:N	2:1x:242:LEU:HD13	1.63	1.13
2:6q:254:SER:C	2:9K:263:VAL:HG13	1.72	1.13
2:9K:99:VAL:HG12	2:7v:28:ILE:CD1	1.78	1.13
2:2u:239:THR:N	2:3v:247:LYS:HB2	1.52	1.13
2:2u:242:LEU:CD1	2:3v:236:ALA:HA	1.79	1.13
2:7w:250:ALA:CA	2:9R:280:SER:O	1.97	1.13
1:3C:444:GLY:O	2:3h:45:LYS:CD	1.96	1.12
1:5K:201:ASP:HB2	1:5K:343:SER:HA	1.31	1.12
1:5c:199:LYS:HG3	1:5c:202:GLU:HG3	1.26	1.13
1:7X:28:GLN:HG2	2:6q:52:LEU:HD11	1.30	1.13
2:1e:120:ILE:CD1	2:2Z:120:ILE:HD13	1.77	1.12
2:5e:267:ASN:ND2	2:6g:254:SER:O	1.81	1.13
1:3V:443:SER:CA	2:3s:56:ASN:ND2	1.72	1.12
1:7P:448:ALA:O	2:7s:60:LEU:HD12	1.46	1.12
2:2Z:222:LEU:CD1	2:1l:226:ILE:HG22	1.77	1.12
2:2d:148[B]:ILE:HD11	2:3k:148[B]:ILE:HD12	1.28	1.12
2:3g:266:LEU:HD13	2:2x:266:LEU:HD13	1.28	1.12
2:6f:247:LYS:H	2:7f:238:THR:C	1.57	1.12
2:8i:61:ALA:HB1	2:7g:57:MET:HE3	1.14	1.12
2:1i:223:ARG:NH1	2:2e:227:GLY:HA3	1.63	1.13
2:4f:58:TYR:HB3	2:3l:2:MET:HE1	1.29	1.12
2:8g:210:LEU:CD2	2:9G:206:VAL:CG1	2.25	1.12
2:9F:242:LEU:CD1	2:9O:236:ALA:N	2.01	1.12
2:1k:266:LEU:HD22	2:3k:266:LEU:N	1.57	1.12
2:2e:214:PRO:HG3	2:1p:225:MET:HG2	1.30	1.12
2:2g:246:LYS:HE2	2:3i:240:THR:C	1.72	1.12
2:2i:234:LEU:HD13	2:3o:234:LEU:CD1	1.77	1.13
2:3l:41:TYR:HE2	2:3l:57:MET:HE1	1.05	1.13
2:2j:222:LEU:HD13	2:1t:226:ILE:HG22	1.31	1.12
2:2k:228:ALA:CB	2:3n:228:ALA:CB	2.26	1.12
2:2l:223:ARG:CD	2:3m:228:ALA:HA	1.78	1.12
2:5i:267:ASN:ND2	2:6o:254:SER:O	1.81	1.12
2:6o:232:TYR:CE1	2:7j:232:TYR:CD2	2.36	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7m:278:ILE:CD1	2:8v:278:ILE:HG23	1.78	1.12
2:8q:237:ALA:HB1	2:9H:246:LYS:CA	1.79	1.12
2:1s:279:ILE:CG2	2:3s:272:VAL:HG11	1.72	1.13
2:2o:247:LYS:HB3	2:1x:239:THR:HG23	1.15	1.12
2:2s:219:LYS:HG2	2:3w:226:ILE:HA	1.18	1.12
2:5k:263:VAL:HG13	2:6s:254:SER:OG	1.48	1.12
2:5k:279:ILE:HD12	2:6s:251:VAL:HG12	1.28	1.12
2:6s:225:MET:HG2	2:7o:214:PRO:HG3	1.21	1.12
2:8y:259:VAL:HG12	2:9M:257:THR:HA	1.29	1.13
2:1u:223:ARG:NH1	2:2t:227:GLY:HA3	1.63	1.13
2:6u:254:SER:C	2:9Q:263:VAL:HG13	1.73	1.12
2:6x:267:ASN:OD1	2:9R:254:SER:N	1.81	1.13
2:6t:41:TYR:HE2	2:6t:57:MET:HE1	1.05	1.12
2:1w:277:GLY:O	2:3w:247:LYS:HG3	0.97	1.12
2:9M:270:ILE:N	2:9J:269:LEU:HD21	1.58	1.12
1:3C:202:GLU:HB2	1:3C:343:SER:CB	1.79	1.12
1:8E:448:ALA:C	2:8h:60:LEU:HG	1.75	1.12
1:6Z:443:SER:C	2:6w:56:ASN:HD21	1.57	1.12
1:6c:202:GLU:O	1:6c:209:ALA:HB1	0.96	1.12
2:1g:279:ILE:HB	2:3g:249:ALA:O	1.47	1.12
2:2a:228:ALA:CB	2:3f:228:ALA:HB1	1.76	1.12
2:2d:269:LEU:HD22	2:3k:270:ILE:HG12	1.14	1.12
2:6e:269:LEU:CD2	2:8i:269:LEU:HD23	1.70	1.12
2:9F:206:VAL:CG1	2:9O:210:LEU:CD2	2.25	1.12
2:2h:242:LEU:HD12	2:3p:235:PRO:C	1.53	1.12
2:6i:269:LEU:HD21	2:8o:269:LEU:CD2	1.71	1.12
2:8m:266:LEU:HD21	2:8q:254:SER:HB2	1.19	1.12
2:1n:247:LYS:HD3	2:3n:239:THR:HG23	1.20	1.12
2:2l:209:LEU:HD12	2:3m:225:MET:SD	1.88	1.12
2:2q:209:LEU:HD12	2:3q:225:MET:SD	1.88	1.12
2:8w:270:ILE:HG23	2:9I:269:LEU:HD13	1.21	1.12
2:8y:270:ILE:CD1	2:9M:253:ALA:HA	1.80	1.12
2:3u:248:GLY:O	2:4m:280:SER:OG	1.68	1.12
2:6u:269:LEU:HD21	2:9Q:269:LEU:HD21	1.13	1.12
2:6w:232:TYR:CE1	2:7t:232:TYR:CD2	2.36	1.12
1:7J:382:LYS:NZ	2:7h:101:GLU:OE2	1.80	1.12
1:1M:446:ALA:HA	2:1m:42:VAL:O	1.45	1.12
1:3O:202:GLU:HB2	1:3O:343:SER:CB	1.80	1.12
1:2P:28:GLN:HE21	2:1x:27:ILE:HD11	0.98	1.12
1:5d:444:GLY:HA2	2:5n:44:VAL:HG22	1.24	1.12
2:1f:247:LYS:CD	2:3f:239:THR:HG23	1.78	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:277:GLY:O	2:3g:247:LYS:HG3	0.97	1.12
2:1h:279:ILE:CG2	2:2t:273:LEU:HD21	1.79	1.12
2:2Z:222:LEU:HD13	2:1l:226:ILE:HG22	1.31	1.12
2:2c:242:LEU:HD12	2:3l:235:PRO:C	1.53	1.12
2:3e:248:GLY:O	2:4e:280:SER:OG	1.68	1.12
2:3h:223:ARG:HG3	2:2w:226:ILE:C	1.34	1.12
2:7a:238:THR:C	2:6v:247:LYS:H	1.57	1.12
2:8e:148[B]:ILE:HD12	2:9F:148[B]:ILE:HD11	1.16	1.12
2:8e:256:ALA:O	2:9O:263:VAL:HG21	0.94	1.12
2:8e:278:ILE:CB	2:9F:278:ILE:HD13	1.72	1.12
2:8g:263:VAL:HG21	2:8k:256:ALA:O	0.94	1.12
2:8i:99:VAL:HG12	2:7g:28:ILE:CD1	1.78	1.12
2:2e:222:LEU:HD13	2:1p:226:ILE:CG2	1.79	1.12
2:2e:247:LYS:N	2:1p:239:THR:HA	1.62	1.12
2:2e:273:LEU:HD21	2:1p:279:ILE:CG2	1.79	1.12
2:6j:226:ILE:O	2:5j:223:ARG:HG3	1.45	1.12
2:7h:250:ALA:CA	2:8p:280:SER:O	1.97	1.12
2:1m:228:ALA:HA	2:1t:229:GLY:O	1.50	1.12
2:1n:247:LYS:CD	2:3n:239:THR:HG23	1.78	1.12
2:2j:222:LEU:HD13	2:1t:226:ILE:CG2	1.80	1.12
2:2j:273:LEU:HD21	2:1t:279:ILE:CG2	1.79	1.12
2:5i:41:TYR:HE2	2:5i:57:MET:HE1	1.05	1.12
2:8t:254:SER:HB3	2:8x:266:LEU:HD23	1.28	1.12
2:2o:210:LEU:HA	2:1x:206:VAL:HG11	1.24	1.12
2:2s:269:LEU:HD22	2:3w:270:ILE:HG13	1.28	1.12
2:3r:41:TYR:HE2	2:3r:57:MET:HE1	1.05	1.12
2:8w:237:ALA:HB2	2:9l:245:VAL:C	1.58	1.12
2:8y:266:LEU:HD23	2:9M:254:SER:HB3	1.17	1.12
2:9K:41:TYR:HE2	2:9K:57:MET:HE1	1.05	1.12
2:1u:223:ARG:HH11	2:2t:227:GLY:HA3	1.05	1.12
2:2u:228:ALA:CB	2:3v:228:ALA:CB	2.26	1.12
2:5m:263:VAL:HG13	2:6w:254:SER:OG	1.48	1.12
1:6F:445:GLY:O	2:6e:44:VAL:HG22	0.96	1.12
1:6K:202:GLU:O	1:6K:209:ALA:HB1	0.96	1.12
1:7G:448:ALA:HB2	2:7g:41:TYR:CD1	1.84	1.12
2:1e:120:ILE:HD11	2:2Z:120:ILE:HD13	1.12	1.12
2:1f:247:LYS:HD3	2:3f:239:THR:HG23	1.19	1.12
2:1g:267:ASN:ND2	2:3g:254:SER:O	1.81	1.12
2:1h:239:THR:HA	2:2t:247:LYS:N	1.63	1.12
2:8e:278:ILE:HG23	2:9F:278:ILE:HG12	1.14	1.12
2:8g:279:ILE:CD1	2:8k:251:VAL:HG13	1.80	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1i:228:ALA:HA	2:1p:229:GLY:O	1.50	1.12
2:1i:247:LYS:HG2	2:2e:239:THR:HG22	1.30	1.12
2:6i:251:VAL:CG1	2:8o:279:ILE:HD13	1.71	1.12
2:6l:267:ASN:OD1	2:8p:254:SER:N	1.81	1.12
2:1m:223:ARG:NH1	2:2j:227:GLY:HA3	1.63	1.12
2:5i:263:VAL:HG13	2:6o:254:SER:OG	1.48	1.12
2:6n:226:ILE:O	2:5l:223:ARG:HG3	1.45	1.12
2:8s:270:ILE:CD1	2:8w:253:ALA:HA	1.80	1.12
2:1r:228:ALA:CB	2:3r:228:ALA:HB2	1.78	1.12
2:2q:246:LYS:HD3	2:3q:240:THR:CA	1.80	1.12
2:2s:148[B]:ILE:HD11	2:3w:148[B]:ILE:HD12	1.28	1.12
2:5k:41:TYR:HE2	2:5k:57:MET:HE1	1.05	1.12
2:8y:263:VAL:HG21	2:9M:256:ALA:O	0.94	1.12
2:6u:254:SER:HB2	2:9Q:266:LEU:CD2	1.78	1.12
2:6u:257:THR:CA	2:9Q:259:VAL:HG11	1.76	1.12
1:1U:444:GLY:HA2	2:1s:45:LYS:CD	1.79	1.12
1:7R:355:SER:HB3	1:7R:356:PRO:HD3	1.16	1.12
2:1e:200:LEU:HD12	2:2Z:200:LEU:HD22	1.18	1.12
2:1g:263:VAL:HG23	2:3g:262:ALA:CB	1.79	1.12
2:5e:41:TYR:HE2	2:5e:57:MET:HE1	1.05	1.12
2:6g:279:ILE:HG21	2:7Z:273:LEU:HD21	1.32	1.12
2:7b:57:MET:HE3	2:9Q:61:ALA:HB1	1.14	1.12
2:3j:98:ALA:CA	2:3j:110:LEU:HB3	1.80	1.12
2:6j:247:LYS:H	2:7k:238:THR:C	1.57	1.12
2:8n:226:ILE:HD11	2:7n:226:ILE:HD11	1.22	1.12
2:1o:279:ILE:HB	2:3o:249:ALA:O	1.47	1.12
2:2j:223:ARG:CD	2:1t:228:ALA:HA	1.79	1.12
2:2j:273:LEU:HD21	2:1t:279:ILE:HG21	1.18	1.12
2:2l:200:LEU:CD1	2:3m:200:LEU:HD13	1.80	1.12
2:2l:210:LEU:HA	2:3m:206:VAL:HG11	1.18	1.12
2:2l:235:PRO:C	2:3m:242:LEU:CD1	2.18	1.12
2:3p:98:ALA:CA	2:3p:110:LEU:HB3	1.80	1.12
2:6p:41:TYR:HE2	2:6p:57:MET:HE1	1.05	1.12
2:8u:98:ALA:CA	2:8u:110:LEU:HB3	1.80	1.12
2:2q:57:MET:HE2	2:4k:111:VAL:HG22	1.20	1.12
2:4k:41:TYR:HE2	2:4k:57:MET:HE1	1.05	1.12
2:5k:267:ASN:ND2	2:6s:254:SER:O	1.81	1.12
2:6q:254:SER:HB2	2:9K:266:LEU:CD2	1.78	1.12
2:8w:148[B]:ILE:HD12	2:9I:148[B]:ILE:HD11	1.16	1.12
2:8y:98:ALA:CA	2:8y:110:LEU:HB3	1.80	1.12
2:8y:212:GLY:HA3	2:9J:203:ASN:HD22	1.03	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:263:VAL:HG23	2:3w:262:ALA:CB	1.79	1.12
2:9M:154:ALA:HB1	2:9J:158[B]:ILE:CD1	1.80	1.12
1:3U:202:GLU:HB2	1:3U:343:SER:CB	1.79	1.11
1:4d:445:GLY:H	2:4n:44:VAL:HG22	1.14	1.11
1:9E:392:THR:CG2	2:9J:46:ASP:CG	2.22	1.11
2:2Z:223:ARG:CD	2:1l:228:ALA:HA	1.79	1.11
2:2b:236:ALA:N	2:3e:242:LEU:HD11	1.52	1.11
2:2c:201:VAL:HG22	2:3l:210:LEU:HD13	1.23	1.11
2:3h:98:ALA:CA	2:3h:110:LEU:HB3	1.80	1.11
2:6e:269:LEU:HD21	2:8i:269:LEU:HD21	1.13	1.11
2:8e:200:LEU:HD22	2:9F:196:LEU:CB	1.79	1.11
2:8g:246:LYS:HD3	2:9G:240:THR:HA	1.31	1.11
2:9F:203:ASN:HD22	2:9O:212:GLY:HA3	1.03	1.11
2:1i:223:ARG:HH11	2:2e:227:GLY:HA3	1.05	1.11
2:1k:279:ILE:HG22	2:3k:272:VAL:CG1	1.63	1.11
2:2h:240:THR:HA	2:3p:246:LYS:HG2	1.22	1.11
2:5g:263:VAL:HG13	2:6k:254:SER:OG	1.48	1.11
2:5g:277:GLY:O	2:6k:247:LYS:HG3	1.47	1.11
2:6k:279:ILE:HG21	2:7e:273:LEU:HD21	1.32	1.11
2:8m:263:VAL:HG21	2:8q:256:ALA:O	0.94	1.11
2:8m:266:LEU:HD23	2:8q:254:SER:HB3	1.17	1.11
2:1n:228:ALA:CB	2:3n:228:ALA:HB2	1.78	1.11
2:7m:256:ALA:HB3	2:8v:263:VAL:HG21	1.16	1.11
2:8q:200:LEU:HD22	2:9H:196:LEU:CB	1.79	1.11
2:8r:41:TYR:HE2	2:8r:57:MET:HE1	1.05	1.11
2:2o:273:LEU:HD21	2:1x:279:ILE:HG21	1.18	1.11
2:2r:226:ILE:HG13	2:3x:223:ARG:CA	1.79	1.11
2:8w:196:LEU:HD22	2:9I:183:PHE:CZ	1.85	1.11
2:8w:237:ALA:HB3	2:9I:245:VAL:O	1.43	1.11
2:8z:242:LEU:HB3	2:7x:234:LEU:HD21	1.32	1.11
2:1w:278:ILE:CG2	2:3w:278:ILE:CD1	2.01	1.11
2:2u:239:THR:HG22	2:3v:247:LYS:O	1.25	1.11
2:6u:269:LEU:CD2	2:9Q:269:LEU:HD21	1.76	1.11
2:6v:98:ALA:CA	2:6v:110:LEU:HB3	1.80	1.11
2:9M:200:LEU:HD22	2:9J:196:LEU:CB	1.79	1.11
2:9O:98:ALA:CA	2:9O:110:LEU:HB3	1.80	1.11
1:3I:202:GLU:HB2	1:3I:343:SER:CB	1.80	1.11
1:3a:202:GLU:HB2	1:3a:343:SER:CB	1.79	1.11
1:6Y:447:GLN:OE1	2:6x:56:ASN:O	1.66	1.11
1:8Z:448:ALA:HB3	2:9N:57:MET:HE1	1.13	1.11
2:1e:247:LYS:HG2	2:2Z:239:THR:HG22	1.30	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1h:228:ALA:HA	2:2t:223:ARG:CD	1.79	1.11
2:2Z:214:PRO:HG3	2:1l:225:MET:HG2	1.30	1.11
2:2c:199:LEU:CB	2:3l:183:PHE:CD1	2.25	1.11
2:2c:242:LEU:HD21	2:3l:237:ALA:N	1.65	1.11
2:3h:183:PHE:CD1	2:2w:199:LEU:HB3	1.52	1.11
2:3h:237:ALA:N	2:2w:242:LEU:HD21	1.65	1.11
2:5e:111:VAL:CG2	2:7Z:57:MET:HE2	1.81	1.11
2:5e:277:GLY:O	2:6g:247:LYS:HG3	1.47	1.11
2:6e:254:SER:HB2	2:8i:266:LEU:CD2	1.78	1.11
2:8e:154:ALA:HB1	2:9F:158[B]:ILE:CD1	1.80	1.11
2:8e:237:ALA:HB1	2:9F:246:LYS:CA	1.79	1.11
2:1j:228:ALA:CB	2:3j:228:ALA:HB2	1.77	1.11
2:4h:58:TYR:HB3	2:3p:2:MET:HE1	1.29	1.11
2:5g:41:TYR:HE2	2:5g:57:MET:HE1	1.05	1.11
2:8k:237:ALA:HB1	2:9G:246:LYS:CA	1.79	1.11
2:8o:98:ALA:CA	2:8o:110:LEU:HB3	1.80	1.11
2:3n:98:ALA:CA	2:3n:110:LEU:HB3	1.80	1.11
2:6m:254:SER:HB2	2:8u:266:LEU:CD2	1.78	1.11
2:1s:98:ALA:CA	2:1s:110:LEU:HB3	1.80	1.11
2:2o:247:LYS:N	2:1x:239:THR:HA	1.62	1.11
2:2q:210:LEU:HD23	2:3q:206:VAL:CG1	1.81	1.11
2:4k:98:ALA:CA	2:4k:110:LEU:HB3	1.80	1.11
2:5k:111:VAL:CG2	2:7o:57:MET:HE2	1.81	1.11
2:5l:242:LEU:HD22	2:7p:244:GLY:C	1.75	1.11
2:1w:98:ALA:CA	2:1w:110:LEU:HB3	1.80	1.11
2:2v:246:LYS:HD3	2:3u:240:THR:CA	1.80	1.11
2:3x:98:ALA:CA	2:3x:110:LEU:HB3	1.80	1.11
2:5m:267:ASN:ND2	2:6w:254:SER:O	1.81	1.11
2:6u:256:ALA:CA	2:9Q:263:VAL:CG2	2.21	1.11
2:6w:242:LEU:C	2:7t:234:LEU:HD23	1.63	1.11
1:5F:419:ASP:OD2	1:5F:425:LYS:NZ	1.83	1.11
1:7B:446:ALA:HB1	2:7b:41:TYR:CE2	1.72	1.11
1:7D:448:ALA:CA	2:7Z:41:TYR:CD1	2.32	1.11
1:8D:445:GLY:O	2:8i:44:VAL:N	1.82	1.11
1:6W:202:GLU:O	1:6W:209:ALA:HB1	0.96	1.11
1:7Y:448:ALA:HB3	2:7w:60:LEU:HD12	1.29	1.11
2:1e:98:ALA:CA	2:1e:110:LEU:HB3	1.80	1.11
2:1f:244:GLY:HA3	2:3f:242:LEU:HB3	1.19	1.11
2:1h:229:GLY:O	2:1u:228:ALA:HA	1.50	1.11
2:1h:242:LEU:HD13	2:2t:236:ALA:N	1.63	1.11
2:2a:242:LEU:CD1	2:3f:236:ALA:HA	1.79	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:120:ILE:HD13	2:3l:120:ILE:CD1	1.80	1.11
2:7c:250:ALA:CA	2:8j:280:SER:O	1.97	1.11
2:8l:98:ALA:CA	2:8l:110:LEU:HB3	1.80	1.11
2:8m:212:GLY:HA3	2:9H:203:ASN:HD22	1.03	1.11
2:1m:247:LYS:H	2:2j:239:THR:C	1.26	1.11
2:1o:41:TYR:CE2	2:1o:57:MET:HE1	1.86	1.11
2:1o:263:VAL:HG23	2:3o:262:ALA:CB	1.79	1.11
2:2j:246:LYS:HB3	2:1t:239:THR:O	1.51	1.11
2:4i:41:TYR:HE2	2:4i:57:MET:HE1	1.05	1.11
2:6m:257:THR:O	2:8u:259:VAL:HB	1.50	1.11
2:6n:246:LYS:HE2	2:7p:240:THR:O	1.50	1.11
2:6o:279:ILE:HG21	2:7j:273:LEU:HD21	1.31	1.11
2:1s:263:VAL:HG23	2:3s:262:ALA:CB	1.79	1.11
2:2q:235:PRO:C	2:3q:242:LEU:CD1	2.18	1.11
2:2q:236:ALA:HA	2:3q:242:LEU:HD22	1.33	1.11
2:4l:58:TYR:HB3	2:3x:2:MET:HE1	1.29	1.11
2:6r:247:LYS:H	2:7u:238:THR:C	1.57	1.11
2:6t:267:ASN:OD1	2:9L:254:SER:N	1.81	1.11
2:6v:41:TYR:HE2	2:6v:57:MET:HE1	1.05	1.11
2:6x:98:ALA:CA	2:6x:110:LEU:HB3	1.80	1.11
2:9M:237:ALA:HB1	2:9J:246:LYS:CA	1.79	1.11
2:9M:270:ILE:HG23	2:9J:269:LEU:HD13	1.21	1.11
2:9Q:41:TYR:HE2	2:9Q:57:MET:HE1	1.05	1.11
1:5L:419:ASP:OD2	1:5L:425:LYS:NZ	1.83	1.11
1:7I:447:GLN:C	2:7e:41:TYR:HE1	1.33	1.11
1:1S:446:ALA:HA	2:1q:42:VAL:O	1.51	1.11
1:7S:392:THR:CB	2:7o:46:ASP:OD2	1.97	1.11
1:5d:419:ASP:OD2	1:5d:425:LYS:NZ	1.83	1.11
2:2a:57:MET:HE2	2:3f:111:VAL:HG22	1.32	1.11
2:2b:246:LYS:HD3	2:3e:240:THR:CA	1.80	1.11
2:2d:244:GLY:HA2	2:3k:243:GLY:O	1.42	1.11
2:3g:270:ILE:HG13	2:2x:269:LEU:HD22	1.29	1.11
2:8e:184:LEU:HD21	2:9F:184:LEU:HD21	1.26	1.11
2:8i:41:TYR:CE2	2:8i:57:MET:HE1	1.86	1.11
2:2f:242:LEU:CD1	2:3j:236:ALA:HA	1.79	1.11
2:2h:201:VAL:HG22	2:3p:210:LEU:HD13	1.23	1.11
2:2h:242:LEU:HD21	2:3p:237:ALA:N	1.65	1.11
2:2i:234:LEU:CD2	2:3o:243:GLY:HA2	1.81	1.11
2:3l:98:ALA:CA	2:3l:110:LEU:HB3	1.80	1.11
2:8k:201:VAL:C	2:9G:193:LYS:HD3	1.76	1.11
2:1n:200:LEU:HD11	2:3n:200:LEU:HD22	1.17	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:242:LEU:HD22	2:2k:244:GLY:C	1.76	1.11
2:2l:210:LEU:HD23	2:3m:206:VAL:CG1	1.81	1.11
2:3p:41:TYR:CE2	2:3p:57:MET:HE1	1.86	1.11
2:5i:98:ALA:CA	2:5i:110:LEU:HB3	1.80	1.11
2:6o:226:ILE:HB	2:7j:222:LEU:HB2	1.32	1.11
2:8q:244:GLY:HA2	2:9H:244:GLY:HA2	1.16	1.11
2:8s:98:ALA:CA	2:8s:110:LEU:HB3	1.80	1.11
2:8u:41:TYR:HE2	2:8u:57:MET:HE1	1.05	1.11
2:1q:98:ALA:CA	2:1q:110:LEU:HB3	1.80	1.11
2:1s:41:TYR:CE2	2:1s:57:MET:HE1	1.86	1.11
2:1s:263:VAL:HG21	2:3s:256:ALA:HB1	1.13	1.11
2:2o:222:LEU:HD13	2:1x:226:ILE:HG22	1.31	1.11
2:2o:223:ARG:CD	2:1x:228:ALA:HA	1.79	1.11
2:2o:246:LYS:HB3	2:1x:239:THR:O	1.51	1.11
2:2p:242:LEU:CD1	2:3r:236:ALA:HA	1.79	1.11
2:2r:242:LEU:HD21	2:3x:237:ALA:N	1.65	1.11
2:6q:257:THR:CA	2:9K:259:VAL:HG11	1.76	1.11
2:6q:257:THR:O	2:9K:259:VAL:HB	1.50	1.11
2:6r:98:ALA:CA	2:6r:110:LEU:HB3	1.80	1.11
2:7r:250:ALA:CA	2:9L:280:SER:O	1.97	1.11
2:8x:41:TYR:HE2	2:8x:57:MET:HE1	1.05	1.11
2:8y:212:GLY:CA	2:9J:203:ASN:ND2	2.14	1.11
2:1u:41:TYR:CE2	2:1u:57:MET:HE1	1.86	1.11
2:1u:98:ALA:CA	2:1u:110:LEU:HB3	1.80	1.11
2:1u:222:LEU:CB	2:2t:226:ILE:CG2	2.20	1.11
2:1v:247:LYS:HB3	2:3v:239:THR:N	1.64	1.11
2:1w:269:LEU:CG	2:3w:269:LEU:CD2	2.27	1.11
2:2u:239:THR:HG22	2:3v:248:GLY:N	1.66	1.11
2:9M:237:ALA:HB2	2:9J:245:VAL:C	1.58	1.11
2:9M:240:THR:CA	2:9J:246:LYS:HZ3	1.63	1.11
2:9N:41:TYR:CE2	2:9N:57:MET:HE1	1.86	1.11
2:9N:98:ALA:CA	2:9N:110:LEU:HB3	1.80	1.11
2:9Q:98:ALA:CA	2:9Q:110:LEU:HB3	1.80	1.11
1:5E:201:ASP:HB2	1:5E:343:SER:HA	1.31	1.11
1:3O:444:GLY:O	2:3p:45:LYS:HD2	1.48	1.11
1:5W:201:ASP:HB2	1:5W:343:SER:HA	1.31	1.11
1:7P:26:ASN:HA	2:6s:52:LEU:HD12	1.12	1.11
1:5c:201:ASP:HB2	1:5c:343:SER:HA	1.31	1.11
2:1f:247:LYS:HB3	2:3f:239:THR:CB	1.81	1.11
2:3g:270:ILE:HG12	2:2x:269:LEU:HD22	1.15	1.11
2:4e:41:TYR:HE2	2:4e:57:MET:HE1	1.05	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:41:TYR:HE2	2:6f:57:MET:CE	1.64	1.11
2:7a:57:MET:HE2	2:6v:111:VAL:HG22	1.33	1.11
2:7d:247:LYS:HD3	2:9P:239:THR:HG23	1.18	1.11
2:8e:253:ALA:HA	2:9O:270:ILE:CD1	1.80	1.11
2:8e:254:SER:HB2	2:9O:266:LEU:HD21	1.19	1.11
2:9F:242:LEU:HB3	2:9O:244:GLY:HA3	1.16	1.11
2:1k:267:ASN:ND2	2:3k:254:SER:O	1.81	1.11
2:2e:246:LYS:HB3	2:1p:239:THR:O	1.51	1.11
2:2f:200:LEU:HD13	2:3j:200:LEU:CD1	1.81	1.11
2:2g:57:MET:HE2	2:4g:111:VAL:HG22	1.20	1.11
2:2g:223:ARG:HD2	2:3i:228:ALA:HA	1.30	1.11
2:7h:251:VAL:HG13	2:8p:279:ILE:HD12	1.28	1.11
2:8k:237:ALA:HB3	2:9G:245:VAL:O	1.43	1.11
2:8m:210:LEU:CD2	2:9H:206:VAL:CG1	2.25	1.11
2:1m:120:ILE:HD11	2:2j:120:ILE:HD13	1.12	1.11
2:2j:247:LYS:N	2:1t:239:THR:HA	1.63	1.11
2:2k:200:LEU:HD13	2:3n:200:LEU:CD1	1.81	1.11
2:2l:246:LYS:HB3	2:3m:239:THR:O	1.51	1.11
2:6p:98:ALA:CA	2:6p:110:LEU:HB3	1.80	1.11
2:6p:267:ASN:OD1	2:8v:254:SER:N	1.81	1.11
2:8q:196:LEU:HD22	2:9H:183:PHE:CZ	1.85	1.11
2:8q:244:GLY:N	2:9H:234:LEU:HD21	1.66	1.11
2:1q:41:TYR:CE2	2:1q:57:MET:HE1	1.86	1.11
2:1r:242:LEU:HD22	2:2p:244:GLY:C	1.76	1.11
2:1s:259:VAL:CG2	2:3s:259:VAL:H	1.45	1.11
2:1s:266:LEU:HD11	2:3s:266:LEU:HA	1.27	1.11
2:2o:222:LEU:HD13	2:1x:226:ILE:CG2	1.79	1.11
2:2p:239:THR:HG23	2:3r:247:LYS:HB3	1.20	1.11
2:2p:239:THR:N	2:3r:247:LYS:HB2	1.52	1.11
2:2q:200:LEU:CD1	2:3q:200:LEU:HD13	1.80	1.11
2:2q:244:GLY:HA2	2:3q:243:GLY:O	1.51	1.11
2:8w:238:THR:O	2:9I:246:LYS:HD3	1.44	1.11
2:8z:239:THR:HG23	2:7x:247:LYS:HD3	1.18	1.11
2:8z:280:SER:OG	2:7x:247:LYS:CE	1.99	1.11
2:9K:98:ALA:CA	2:9K:110:LEU:HB3	1.80	1.11
2:1w:237:ALA:HB1	2:3w:246:LYS:CA	1.81	1.11
2:2v:223:ARG:HD3	2:3u:228:ALA:N	1.66	1.11
2:2v:235:PRO:C	2:3u:242:LEU:CD1	2.18	1.11
2:3x:41:TYR:HE2	2:3x:57:MET:HE1	1.05	1.11
2:7w:256:ALA:HB3	2:9R:263:VAL:CG2	1.81	1.11
2:9M:196:LEU:HD22	2:9J:183:PHE:CZ	1.85	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2F:28:GLN:NE2	2:1p:27:ILE:CD1	2.08	1.10
1:7G:448:ALA:HB2	2:7g:41:TYR:HD1	1.07	1.10
1:5Q:445:GLY:O	2:5i:44:VAL:N	1.83	1.10
1:7T:448:ALA:HB2	2:7r:60:LEU:CD1	1.80	1.10
1:6Z:446:ALA:O	2:6w:56:ASN:N	1.84	1.10
1:7Y:447:GLN:HA	2:7w:41:TYR:CE1	1.81	1.10
2:1g:229:GLY:HA2	2:3g:231:PRO:HG3	1.26	1.10
2:1g:237:ALA:HB1	2:3g:246:LYS:CA	1.81	1.10
2:2a:200:LEU:HD13	2:3f:200:LEU:CD1	1.81	1.10
2:2c:241:THR:HG22	2:3l:234:LEU:CD2	1.81	1.10
2:3h:183:PHE:CD1	2:2w:199:LEU:CB	2.25	1.10
2:4e:98:ALA:CA	2:4e:110:LEU:HB3	1.80	1.10
2:5f:242:LEU:HD22	2:7a:244:GLY:C	1.75	1.10
2:6g:242:LEU:HD21	2:7Z:236:ALA:HA	1.27	1.10
2:8g:98:ALA:CA	2:8g:110:LEU:HB3	1.80	1.10
2:8i:98:ALA:CA	2:8i:110:LEU:HB3	1.80	1.10
2:1j:223:ARG:HD3	2:3j:227:GLY:CA	1.80	1.10
2:1k:237:ALA:HB1	2:3k:246:LYS:CA	1.81	1.10
2:1k:263:VAL:HG23	2:3k:262:ALA:CB	1.79	1.10
2:2e:236:ALA:N	2:1p:242:LEU:HD13	1.64	1.10
2:2g:210:LEU:HD23	2:3i:206:VAL:CG1	1.81	1.10
2:5h:242:LEU:HD22	2:7f:244:GLY:C	1.75	1.10
2:6i:257:THR:O	2:8o:259:VAL:HB	1.50	1.10
2:6j:41:TYR:HE2	2:6j:57:MET:CE	1.64	1.10
2:6j:242:LEU:HB3	2:5j:244:GLY:HA3	1.32	1.10
2:8k:244:GLY:N	2:9G:234:LEU:HD21	1.66	1.10
2:8k:270:ILE:HD11	2:9G:269:LEU:HB2	1.23	1.10
2:8m:212:GLY:CA	2:9H:203:ASN:ND2	2.14	1.10
2:8m:270:ILE:CD1	2:8q:253:ALA:HA	1.80	1.10
2:8m:279:ILE:CD1	2:8q:251:VAL:HG13	1.80	1.10
2:1n:223:ARG:HD3	2:3n:227:GLY:CA	1.80	1.10
2:2j:244:GLY:HA2	2:1t:243:GLY:O	1.51	1.10
2:2k:200:LEU:CD2	2:3n:200:LEU:CD1	2.17	1.10
2:2l:244:GLY:HA2	2:3m:243:GLY:O	1.51	1.10
2:2m:227:GLY:HA2	2:3t:223:ARG:NH1	1.66	1.10
2:2m:242:LEU:HD21	2:3t:237:ALA:N	1.65	1.10
2:5j:242:LEU:HD22	2:7k:244:GLY:C	1.75	1.10
2:6m:257:THR:CA	2:8u:259:VAL:HG11	1.76	1.10
2:6n:98:ALA:CA	2:6n:110:LEU:HB3	1.80	1.10
2:6n:238:THR:O	2:5l:247:LYS:N	1.84	1.10
2:8q:201:VAL:C	2:9H:193:LYS:HD3	1.76	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:223:ARG:HH11	2:2o:227:GLY:HA3	1.05	1.10
2:1s:41:TYR:HE2	2:1s:57:MET:CE	1.64	1.10
2:2p:57:MET:HE2	2:3r:111:VAL:HG22	1.32	1.10
2:2p:200:LEU:HD13	2:3r:200:LEU:CD1	1.81	1.10
2:2s:120:ILE:CD1	2:1w:120:ILE:CD1	2.15	1.10
2:1v:247:LYS:HB3	2:3v:239:THR:CB	1.81	1.10
2:3x:41:TYR:HE2	2:3x:57:MET:CE	1.64	1.10
2:4m:41:TYR:HE2	2:4m:57:MET:HE1	1.05	1.10
1:7I:447:GLN:O	2:7e:41:TYR:HE1	0.77	1.10
1:5Q:201:ASP:HB2	1:5Q:343:SER:HA	1.31	1.10
1:6N:445:GLY:O	2:6o:44:VAL:HG22	1.51	1.10
1:1U:444:GLY:CA	2:1s:45:LYS:HD2	1.80	1.10
1:6X:445:GLY:O	2:6q:44:VAL:HG22	0.93	1.10
1:7X:28:GLN:CG	2:6q:52:LEU:CD1	2.28	1.10
2:1g:259:VAL:HG21	2:3g:259:VAL:H	0.94	1.10
2:1h:239:THR:HG23	2:2t:247:LYS:HB3	1.16	1.10
2:6f:240:THR:O	2:5h:246:LYS:HE2	1.50	1.10
2:8e:251:VAL:HG13	2:9O:279:ILE:CD1	1.80	1.10
2:9F:203:ASN:ND2	2:9O:212:GLY:CA	2.14	1.10
2:1k:279:ILE:HB	2:3k:249:ALA:O	1.47	1.10
2:2f:239:THR:HG22	2:3j:248:GLY:N	1.66	1.10
2:2g:200:LEU:CD1	2:3i:200:LEU:HD13	1.80	1.10
2:2g:246:LYS:HD3	2:3i:240:THR:CA	1.80	1.10
2:2h:241:THR:HG22	2:3p:234:LEU:CD2	1.81	1.10
2:2i:219:LYS:HG2	2:3o:226:ILE:HA	1.18	1.10
2:4g:41:TYR:CE2	2:4g:57:MET:HE1	1.86	1.10
2:4g:41:TYR:HE2	2:4g:57:MET:HE1	1.05	1.10
2:6j:242:LEU:CD2	2:5j:244:GLY:C	2.24	1.10
2:8k:154:ALA:HB1	2:9G:158[B]:ILE:CD1	1.80	1.10
2:8k:229:GLY:HA2	2:9G:231:PRO:HG3	1.10	1.10
2:8n:280:SER:OG	2:7n:247:LYS:CE	1.99	1.10
2:8o:41:TYR:HE2	2:8o:57:MET:CE	1.64	1.10
2:8o:41:TYR:CE2	2:8o:57:MET:HE1	1.86	1.10
2:1o:237:ALA:HB1	2:3o:246:LYS:CA	1.81	1.10
2:2j:247:LYS:HB3	2:1t:239:THR:HG23	1.15	1.10
2:2k:239:THR:HG22	2:3n:248:GLY:N	1.66	1.10
2:2l:236:ALA:N	2:3m:242:LEU:HD13	1.47	1.10
2:6p:120:ILE:HD13	2:7m:120:ILE:HD13	1.31	1.10
2:8r:41:TYR:CE2	2:8r:57:MET:HE1	1.86	1.10
2:8s:41:TYR:HE2	2:8s:57:MET:HE1	1.05	1.10
2:8s:209:LEU:O	2:9I:206:VAL:HG21	1.51	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:244:GLY:HA3	2:9I:242:LEU:HB3	1.15	1.10
2:8s:263:VAL:HG21	2:8w:256:ALA:O	0.94	1.10
2:8s:279:ILE:CD1	2:8w:251:VAL:HG13	1.80	1.10
2:8u:61:ALA:HB1	2:7q:57:MET:HE3	1.14	1.10
2:2o:273:LEU:HD21	2:1x:279:ILE:CG2	1.79	1.10
2:2q:223:ARG:HD3	2:3q:228:ALA:N	1.66	1.10
2:3r:41:TYR:HE2	2:3r:57:MET:CE	1.64	1.10
2:8w:237:ALA:HB1	2:9I:246:LYS:CA	1.79	1.10
2:8y:279:ILE:CD1	2:9M:251:VAL:HG13	1.80	1.10
2:1w:41:TYR:CE2	2:1w:57:MET:HE1	1.86	1.10
2:1w:41:TYR:HE2	2:1w:57:MET:CE	1.64	1.10
2:4m:41:TYR:CE2	2:4m:57:MET:HE1	1.86	1.10
2:9M:244:GLY:N	2:9J:234:LEU:HD21	1.66	1.10
2:9Q:41:TYR:CE2	2:9Q:57:MET:HE1	1.86	1.10
1:5R:419:ASP:OD2	1:5R:425:LYS:NZ	1.83	1.10
1:8X:445:GLY:O	2:8y:44:VAL:HB	1.50	1.10
2:1f:223:ARG:HD3	2:3f:227:GLY:CA	1.80	1.10
2:2Z:222:LEU:HD13	2:1l:226:ILE:CG2	1.80	1.10
2:2Z:273:LEU:HD21	2:1l:279:ILE:CG2	1.79	1.10
2:2a:239:THR:HG22	2:3f:248:GLY:N	1.66	1.10
2:2c:242:LEU:HD21	2:3l:237:ALA:H	1.14	1.10
2:2c:242:LEU:HD13	2:3l:235:PRO:O	1.34	1.10
2:3h:41:TYR:CE2	2:3h:57:MET:HE1	1.86	1.10
2:6e:257:THR:CA	2:8i:259:VAL:HG11	1.76	1.10
2:6f:41:TYR:CE2	2:6f:57:MET:HE1	1.86	1.10
2:6f:242:LEU:HB3	2:5h:244:GLY:HA3	1.32	1.10
2:7c:262:ALA:HB2	2:8j:263:VAL:CG2	1.82	1.10
2:7d:223:ARG:HG3	2:9P:226:ILE:O	1.52	1.10
2:8e:196:LEU:HD22	2:9F:183:PHE:CZ	1.85	1.10
2:8e:237:ALA:HB3	2:9F:245:VAL:O	1.44	1.10
2:8g:41:TYR:CE2	2:8g:57:MET:HE1	1.86	1.10
2:8g:270:ILE:CD1	2:8k:253:ALA:HA	1.80	1.10
2:1i:41:TYR:CE2	2:1i:57:MET:HE1	1.86	1.10
2:2e:244:GLY:HA2	2:1p:243:GLY:O	1.51	1.10
2:2g:235:PRO:C	2:3i:242:LEU:CD1	2.18	1.10
2:5g:41:TYR:HE2	2:5g:57:MET:CE	1.64	1.10
2:6j:41:TYR:CE2	2:6j:57:MET:HE1	1.86	1.10
2:6j:98:ALA:CA	2:6j:110:LEU:HB3	1.80	1.10
2:6k:225:MET:HG2	2:7e:214:PRO:HG3	1.21	1.10
2:6l:41:TYR:HE2	2:6l:57:MET:CE	1.64	1.10
2:6l:98:ALA:CA	2:6l:110:LEU:HB3	1.80	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:196:LEU:HD22	2:9G:183:PHE:CZ	1.85	1.10
2:8k:200:LEU:HD22	2:9G:196:LEU:CB	1.79	1.10
2:1m:41:TYR:HE2	2:1m:57:MET:CE	1.64	1.10
2:1m:226:ILE:HD11	2:2j:226:ILE:HD11	1.33	1.10
2:1o:266:LEU:HD22	2:3o:266:LEU:N	1.57	1.10
2:1o:267:ASN:ND2	2:3o:254:SER:O	1.81	1.10
2:5i:111:VAL:CG2	2:7j:57:MET:HE2	1.81	1.10
2:6n:247:LYS:H	2:7p:238:THR:C	1.57	1.10
2:6o:242:LEU:C	2:7j:234:LEU:HD23	1.63	1.10
2:6p:41:TYR:HE2	2:6p:57:MET:CE	1.64	1.10
2:8t:242:LEU:HB3	2:7s:234:LEU:HD21	1.32	1.10
2:8t:280:SER:OG	2:7s:247:LYS:CE	1.99	1.10
2:2p:200:LEU:CD2	2:3r:200:LEU:CD1	2.17	1.10
2:2q:222:LEU:HD13	2:3q:226:ILE:HG22	1.33	1.10
2:3t:41:TYR:HE2	2:3t:57:MET:HE1	1.05	1.10
2:6r:238:THR:O	2:5n:247:LYS:N	1.84	1.10
2:8w:278:ILE:CB	2:9I:278:ILE:HD13	1.72	1.10
2:8x:41:TYR:CE2	2:8x:57:MET:HE1	1.86	1.10
2:2u:200:LEU:HD13	2:3v:200:LEU:CD1	1.81	1.10
2:2v:210:LEU:HD23	2:3u:206:VAL:CG1	1.81	1.10
2:3v:98:ALA:CA	2:3v:110:LEU:HB3	1.80	1.10
2:5m:267:ASN:HD21	2:6w:254:SER:C	1.58	1.10
2:6v:41:TYR:HE2	2:6v:57:MET:CE	1.64	1.10
2:9M:278:ILE:HG23	2:9J:278:ILE:HG12	1.14	1.10
1:9B:28:GLN:NE2	2:9M:27:ILE:HD11	1.66	1.10
1:6M:443:SER:N	2:6p:45:LYS:HZ1	1.50	1.10
1:5X:419:ASP:OD2	1:5X:425:LYS:NZ	1.83	1.10
1:8Y:392:THR:HG22	2:9M:107:LEU:HD11	1.13	1.10
2:1e:41:TYR:CE2	2:1e:57:MET:HE1	1.86	1.10
2:1e:242:LEU:HA	2:1l:245:VAL:O	1.52	1.10
2:1g:269:LEU:CG	2:3g:269:LEU:CD2	2.27	1.10
2:1h:226:ILE:HG22	2:2t:222:LEU:HD13	1.31	1.10
2:1h:226:ILE:CG2	2:2t:222:LEU:HD13	1.80	1.10
2:2b:235:PRO:C	2:3e:242:LEU:CD1	2.18	1.10
2:2b:236:ALA:HA	2:3e:242:LEU:HD22	1.33	1.10
2:2b:246:LYS:HB3	2:3e:239:THR:O	1.51	1.10
2:3h:120:ILE:CD1	2:2w:120:ILE:HD13	1.80	1.10
2:5e:41:TYR:HE2	2:5e:57:MET:CE	1.64	1.10
2:5e:267:ASN:HD21	2:6g:254:SER:C	1.58	1.10
2:6f:239:THR:HA	2:5h:247:LYS:N	1.67	1.10
2:8e:201:VAL:C	2:9F:193:LYS:HD3	1.76	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8f:41:TYR:CE2	2:8f:57:MET:HE1	1.86	1.10
2:8g:41:TYR:HE2	2:8g:57:MET:CE	1.64	1.10
2:8g:247:LYS:CG	2:9G:239:THR:HG23	1.82	1.10
2:8h:239:THR:HG23	2:7i:247:LYS:HD3	1.18	1.10
2:8h:254:SER:HB3	2:8l:266:LEU:HD23	1.28	1.10
2:8h:280:SER:OG	2:7i:247:LYS:CE	1.99	1.10
2:1k:41:TYR:CE2	2:1k:57:MET:HE1	1.86	1.10
2:1k:41:TYR:HE2	2:1k:57:MET:HE1	1.05	1.10
2:2h:227:GLY:HA3	2:3p:223:ARG:NH1	1.11	1.10
2:5g:41:TYR:CE2	2:5g:57:MET:HE1	1.86	1.10
2:8l:41:TYR:CE2	2:8l:57:MET:HE1	1.86	1.10
2:8n:226:ILE:O	2:7n:223:ARG:HG3	1.52	1.10
2:1m:41:TYR:HE2	2:1m:57:MET:HE1	1.05	1.10
2:1m:98:ALA:CA	2:1m:110:LEU:HB3	1.80	1.10
2:1m:226:ILE:CD1	2:2j:226:ILE:HD11	1.82	1.10
2:2l:57:MET:HE2	2:4i:111:VAL:HG22	1.20	1.10
2:2l:246:LYS:HD3	2:3m:240:THR:CA	1.80	1.10
2:2m:242:LEU:HD21	2:3t:237:ALA:H	1.13	1.10
2:5i:41:TYR:HE2	2:5i:57:MET:CE	1.64	1.10
2:6m:269:LEU:HD21	2:8u:269:LEU:HD21	1.13	1.10
2:6n:41:TYR:HE2	2:6n:57:MET:CE	1.64	1.10
2:8q:154:ALA:HB1	2:9H:158[B]:ILE:CD1	1.80	1.10
2:8t:226:ILE:HD11	2:7s:226:ILE:HD11	1.22	1.10
2:1s:237:ALA:HB1	2:3s:246:LYS:CA	1.81	1.10
2:2q:273:LEU:CD2	2:3q:279:ILE:CG2	2.30	1.10
2:3r:41:TYR:CE2	2:3r:57:MET:HE1	1.86	1.10
2:3t:41:TYR:HE2	2:3t:57:MET:CE	1.64	1.10
2:5k:111:VAL:HG22	2:7o:57:MET:HE2	1.26	1.10
2:6s:206:VAL:HG11	2:7o:210:LEU:HA	1.33	1.10
2:6t:98:ALA:CA	2:6t:110:LEU:HB3	1.80	1.10
2:8w:154:ALA:HB1	2:9I:158[B]:ILE:CD1	1.80	1.10
2:8y:120:ILE:HD11	2:9J:120:ILE:HD13	1.20	1.10
2:1v:200:LEU:HD11	2:3v:200:LEU:HD22	1.18	1.10
2:1v:223:ARG:HD3	2:3v:227:GLY:CA	1.80	1.10
2:6x:41:TYR:HE2	2:6x:57:MET:CE	1.64	1.10
2:9M:201:VAL:C	2:9J:193:LYS:HD3	1.76	1.10
1:2J:382:LYS:NZ	2:2i:101:GLU:OE2	1.83	1.10
1:3I:447:GLN:HE21	2:3l:44:VAL:HG21	1.09	1.10
1:7N:392:THR:HB	2:7j:46:ASP:CG	1.77	1.10
1:4W:444:GLY:O	2:4k:53:THR:OG1	1.68	1.10
2:1g:98:ALA:CA	2:1g:110:LEU:HB3	1.80	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:267:ASN:OD1	2:3g:254:SER:CB	1.99	1.10
2:2b:223:ARG:HD3	2:3e:228:ALA:N	1.66	1.10
2:3f:41:TYR:HE2	2:3f:57:MET:CE	1.64	1.10
2:3h:41:TYR:HE2	2:3h:57:MET:HE1	1.05	1.10
2:6f:98:ALA:CA	2:6f:110:LEU:HB3	1.80	1.10
2:6h:41:TYR:CE2	2:6h:57:MET:HE1	1.86	1.10
2:8i:41:TYR:HE2	2:8i:57:MET:CE	1.64	1.10
2:1i:98:ALA:CA	2:1i:110:LEU:HB3	1.80	1.10
2:1i:242:LEU:HA	2:1p:245:VAL:O	1.52	1.10
2:1j:247:LYS:HD3	2:3j:239:THR:HG23	1.20	1.10
2:2h:226:ILE:HG13	2:3p:223:ARG:CA	1.79	1.10
2:6j:238:THR:O	2:5j:247:LYS:N	1.84	1.10
2:6j:239:THR:HA	2:5j:247:LYS:N	1.67	1.10
2:8l:41:TYR:HE2	2:8l:57:MET:HE1	1.05	1.10
2:8m:41:TYR:HE2	2:8m:57:MET:CE	1.64	1.10
2:8m:41:TYR:HE2	2:8m:57:MET:HE1	1.05	1.10
2:8m:98:ALA:CA	2:8m:110:LEU:HB3	1.80	1.10
2:1o:98:ALA:CA	2:1o:110:LEU:HB3	1.80	1.10
2:1o:266:LEU:HD11	2:3o:266:LEU:HA	1.27	1.10
2:2m:240:THR:HA	2:3t:246:LYS:HG2	1.22	1.10
2:2m:242:LEU:HD13	2:3t:235:PRO:O	1.34	1.10
2:2n:219:LYS:HG2	2:3s:226:ILE:HA	1.19	1.10
2:3n:41:TYR:CE2	2:3n:57:MET:HE1	1.86	1.10
2:6n:242:LEU:HB3	2:5l:244:GLY:HA3	1.32	1.10
2:6o:242:LEU:HD21	2:7j:236:ALA:HA	1.27	1.10
2:7m:256:ALA:HB3	2:8v:263:VAL:CG2	1.81	1.10
2:8q:278:ILE:HG23	2:9H:278:ILE:HG12	1.13	1.10
2:1q:226:ILE:HD11	2:2o:226:ILE:HD11	1.32	1.10
2:1r:244:GLY:HA3	2:3r:242:LEU:HB3	1.19	1.10
2:2o:244:GLY:HA2	2:1x:243:GLY:O	1.51	1.10
2:6q:269:LEU:HD21	2:9K:269:LEU:HD21	1.13	1.10
2:6r:41:TYR:CE2	2:6r:57:MET:HE1	1.86	1.10
2:8w:278:ILE:HG23	2:9I:278:ILE:HG12	1.13	1.10
1:5E:199:LYS:HG3	1:5E:202:GLU:HG3	1.26	1.09
1:3O:444:GLY:O	2:3p:45:LYS:CD	2.00	1.09
1:7U:448:ALA:C	2:7x:58:TYR:O	1.95	1.09
2:2d:266:LEU:HD13	2:3k:266:LEU:HD13	1.28	1.09
2:3f:41:TYR:CE2	2:3f:57:MET:HE1	1.86	1.09
2:3h:41:TYR:HE2	2:3h:57:MET:CE	1.64	1.09
2:5e:98:ALA:CA	2:5e:110:LEU:HB3	1.80	1.09
2:5f:247:LYS:N	2:6v:238:THR:O	1.84	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8f:98:ALA:CA	2:8f:110:LEU:HB3	1.80	1.09
2:8h:226:ILE:HD11	2:7i:226:ILE:HD11	1.22	1.09
2:1j:242:LEU:HD22	2:2f:244:GLY:C	1.76	1.09
2:2f:239:THR:C	2:3j:246:LYS:HB3	1.77	1.09
2:2h:120:ILE:HD13	2:3p:120:ILE:CD1	1.80	1.09
2:2h:242:LEU:HB2	2:3p:234:LEU:HG	1.35	1.09
2:3i:248:GLY:O	2:4g:280:SER:OG	1.68	1.09
2:3j:41:TYR:CE2	2:3j:57:MET:HE1	1.86	1.09
2:4g:98:ALA:CA	2:4g:110:LEU:HB3	1.80	1.09
2:5g:98:ALA:CA	2:5g:110:LEU:HB3	1.80	1.09
2:5g:267:ASN:HD21	2:6k:254:SER:C	1.58	1.09
2:8n:242:LEU:HB3	2:7n:234:LEU:HD21	1.32	1.09
2:1m:223:ARG:HH11	2:2j:227:GLY:HA3	1.05	1.09
2:1o:263:VAL:HG21	2:3o:256:ALA:HB1	1.13	1.09
2:2m:199:LEU:HB3	2:3t:183:PHE:CD1	1.52	1.09
2:2m:201:VAL:HG22	2:3t:210:LEU:HD13	1.23	1.09
2:2n:269:LEU:HD22	2:3s:270:ILE:HG12	1.14	1.09
2:3n:41:TYR:HE2	2:3n:57:MET:CE	1.64	1.09
2:4i:98:ALA:CA	2:4i:110:LEU:HB3	1.80	1.09
2:4j:58:TYR:HB3	2:3t:2:MET:HE1	1.29	1.09
2:5i:41:TYR:CE2	2:5i:57:MET:HE1	1.86	1.09
2:6n:41:TYR:CE2	2:6n:57:MET:HE1	1.86	1.09
2:6o:206:VAL:HG11	2:7j:210:LEU:HA	1.33	1.09
2:8s:212:GLY:CA	2:9I:203:ASN:ND2	2.14	1.09
2:8u:41:TYR:CE2	2:8u:57:MET:HE1	1.86	1.09
2:1q:41:TYR:HE2	2:1q:57:MET:CE	1.64	1.09
2:2p:239:THR:C	2:3r:246:LYS:HB3	1.77	1.09
2:2q:246:LYS:HB3	2:3q:239:THR:O	1.51	1.09
2:2r:120:ILE:HD13	2:3x:120:ILE:CD1	1.80	1.09
2:3q:248:GLY:O	2:4k:280:SER:OG	1.68	1.09
2:6q:251:VAL:HG13	2:9K:279:ILE:HD13	1.25	1.09
2:6r:41:TYR:HE2	2:6r:57:MET:CE	1.64	1.09
2:8w:229:GLY:HA2	2:9I:231:PRO:HG3	1.10	1.09
2:8y:41:TYR:CE2	2:8y:57:MET:HE1	1.86	1.09
2:2u:239:THR:C	2:3v:246:LYS:HB3	1.77	1.09
2:2u:242:LEU:O	2:3v:234:LEU:CD2	2.00	1.09
2:2v:200:LEU:CD1	2:3u:200:LEU:HD13	1.80	1.09
2:2v:236:ALA:HA	2:3u:242:LEU:HD22	1.33	1.09
2:5m:111:VAL:CG2	2:7t:57:MET:HE2	1.81	1.09
2:5m:279:ILE:HD12	2:6w:251:VAL:HG12	1.28	1.09
2:7w:265:ASP:C	2:9R:266:LEU:HD21	1.78	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9O:41:TYR:HE2	2:9O:57:MET:CE	1.64	1.09
1:7H:26:ASN:OD1	2:8h:52:LEU:HD12	1.40	1.09
1:8I:444:GLY:O	2:8p:44:VAL:HG23	1.46	1.09
1:2M:443:SER:O	2:2k:45:LYS:NZ	1.85	1.09
1:9D:446:ALA:CB	2:9I:41:TYR:CE2	2.25	1.09
1:4d:446:ALA:HB1	2:4n:56:ASN:HB2	1.20	1.09
2:1g:41:TYR:HE2	2:1g:57:MET:HE1	1.05	1.09
2:2b:200:LEU:CD1	2:3e:200:LEU:HD13	1.80	1.09
2:3f:41:TYR:HE2	2:3f:57:MET:HE1	1.05	1.09
2:3f:98:ALA:CA	2:3f:110:LEU:HB3	1.80	1.09
2:3h:234:LEU:CD2	2:2w:241:THR:HG22	1.81	1.09
2:4e:41:TYR:CE2	2:4e:57:MET:HE1	1.86	1.09
2:5f:246:LYS:HE2	2:6v:240:THR:O	1.50	1.09
2:7c:265:ASP:C	2:8j:266:LEU:HD21	1.78	1.09
2:8f:41:TYR:HE2	2:8f:57:MET:CE	1.64	1.09
2:8i:41:TYR:HE2	2:8i:57:MET:HE1	1.05	1.09
2:9F:226:ILE:O	2:9O:219:LYS:O	1.71	1.09
2:2g:236:ALA:HA	2:3i:242:LEU:HD22	1.33	1.09
2:3j:38:ILE:HD11	2:3j:114:ARG:NH2	1.68	1.09
2:5g:111:VAL:CG2	2:7e:57:MET:HE2	1.81	1.09
2:6j:246:LYS:HE2	2:7k:240:THR:O	1.50	1.09
2:7h:262:ALA:HB2	2:8p:263:VAL:CG2	1.81	1.09
2:8k:278:ILE:HG23	2:9G:278:ILE:HG12	1.14	1.09
2:8l:41:TYR:HE2	2:8l:57:MET:CE	1.64	1.09
2:8m:41:TYR:CE2	2:8m:57:MET:HE1	1.86	1.09
2:1n:244:GLY:HA3	2:3n:242:LEU:HB3	1.19	1.09
2:1n:247:LYS:HB3	2:3n:239:THR:N	1.64	1.09
2:2n:234:LEU:CD2	2:3s:243:GLY:HA2	1.81	1.09
2:4i:41:TYR:CE2	2:4i:57:MET:HE1	1.86	1.09
2:5i:111:VAL:HG22	2:7j:57:MET:HE2	1.26	1.09
2:8r:98:ALA:CA	2:8r:110:LEU:HB3	1.80	1.09
2:8s:246:LYS:HD3	2:9I:240:THR:HA	1.30	1.09
2:8t:226:ILE:O	2:7s:223:ARG:HG3	1.52	1.09
2:1q:41:TYR:HE2	2:1q:57:MET:HE1	1.05	1.09
2:1q:228:ALA:HA	2:1x:229:GLY:O	1.50	1.09
2:1r:247:LYS:HB3	2:3r:239:THR:N	1.64	1.09
2:2p:242:LEU:HD11	2:3r:236:ALA:HA	1.13	1.09
2:2p:242:LEU:CD1	2:3r:236:ALA:N	2.15	1.09
2:2p:242:LEU:O	2:3r:234:LEU:CD2	2.00	1.09
2:2s:234:LEU:CD2	2:3w:243:GLY:HA2	1.81	1.09
2:3r:98:ALA:CA	2:3r:110:LEU:HB3	1.80	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3t:98:ALA:CA	2:3t:110:LEU:HB3	1.80	1.09
2:5k:267:ASN:HD21	2:6s:254:SER:C	1.58	1.09
2:6r:239:THR:HA	2:5n:247:LYS:N	1.67	1.09
2:6t:41:TYR:HE2	2:6t:57:MET:CE	1.64	1.09
2:8w:244:GLY:N	2:9I:234:LEU:HD21	1.66	1.09
2:8w:270:ILE:N	2:9I:269:LEU:HD21	1.58	1.09
2:9K:41:TYR:CE2	2:9K:57:MET:HE1	1.86	1.09
2:9K:61:ALA:HB1	2:7v:57:MET:HE3	1.14	1.09
2:2v:273:LEU:CD2	2:3u:279:ILE:CG2	2.30	1.09
2:4m:98:ALA:CA	2:4m:110:LEU:HB3	1.80	1.09
2:5n:242:LEU:HD22	2:7u:244:GLY:C	1.75	1.09
2:6w:206:VAL:HG11	2:7t:210:LEU:HA	1.33	1.09
2:9M:116:LYS:HA	2:9M:116:LYS:HE3	1.35	1.09
2:9O:41:TYR:CE2	2:9O:57:MET:HE1	1.86	1.09
1:3C:448:ALA:HB3	2:3h:41:TYR:HD2	1.12	1.09
1:5F:444:GLY:HA2	2:5f:44:VAL:HG22	1.11	1.09
1:3I:447:GLN:HG2	2:3l:44:VAL:HG22	1.15	1.09
1:9B:28:GLN:HE22	2:9M:27:ILE:HD11	1.03	1.09
1:8R:444:GLY:H	2:8s:45:LYS:HD2	0.93	1.09
1:3U:202:GLU:HB2	1:3U:343:SER:HB2	1.31	1.09
1:9E:392:THR:CG2	2:9J:46:ASP:OD2	1.99	1.09
2:2Z:246:LYS:HB3	2:1l:239:THR:O	1.51	1.09
2:2a:239:THR:C	2:3f:246:LYS:HB3	1.77	1.09
2:2a:242:LEU:HD11	2:3f:236:ALA:HA	1.13	1.09
2:2b:273:LEU:CD2	2:3e:279:ILE:CG2	2.30	1.09
2:3h:38:ILE:HD11	2:3h:114:ARG:NH2	1.68	1.09
2:5e:38:ILE:HD11	2:5e:114:ARG:NH2	1.68	1.09
2:6h:38:ILE:HD11	2:6h:114:ARG:NH2	1.67	1.09
2:6h:41:TYR:HE2	2:6h:57:MET:CE	1.64	1.09
2:6h:41:TYR:HE2	2:6h:57:MET:HE1	1.05	1.09
2:6h:98:ALA:CA	2:6h:110:LEU:HB3	1.80	1.09
2:7d:234:LEU:HD21	2:9P:242:LEU:HB3	1.32	1.09
2:8e:232:TYR:HB2	2:9F:232:TYR:HB3	1.31	1.09
2:8e:244:GLY:HA2	2:9F:244:GLY:HA2	1.15	1.09
2:8g:209:LEU:O	2:9G:206:VAL:HG21	1.51	1.09
2:9F:120:ILE:HD13	2:9O:120:ILE:HD11	1.20	1.09
2:9F:206:VAL:HG21	2:9O:209:LEU:O	1.51	1.09
2:9F:239:THR:HG23	2:9O:247:LYS:CG	1.82	1.09
2:1j:200:LEU:HD11	2:3j:200:LEU:HD22	1.17	1.09
2:1k:229:GLY:HA2	2:3k:231:PRO:HG3	1.26	1.09
2:2i:148[B]:ILE:HD11	2:3o:148[B]:ILE:HD12	1.28	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:266:LEU:CD1	2:3o:266:LEU:HD13	1.83	1.09
2:3j:41:TYR:HE2	2:3j:57:MET:CE	1.64	1.09
2:3l:41:TYR:CE2	2:3l:57:MET:HE1	1.86	1.09
2:6j:240:THR:O	2:5j:246:LYS:HE2	1.50	1.09
2:8k:175:PHE:CE1	2:9G:171:GLN:CG	2.36	1.09
2:1m:41:TYR:CE2	2:1m:57:MET:HE1	1.86	1.09
2:2k:239:THR:C	2:3n:246:LYS:HB3	1.77	1.09
2:2l:222:LEU:HD13	2:3m:226:ILE:HG22	1.33	1.09
2:5i:267:ASN:HD21	2:6o:254:SER:C	1.58	1.09
2:6n:242:LEU:CD2	2:5l:244:GLY:C	2.24	1.09
2:6p:41:TYR:CE2	2:6p:57:MET:HE1	1.86	1.09
2:8q:237:ALA:HB2	2:9H:245:VAL:C	1.58	1.09
2:8s:41:TYR:CE2	2:8s:57:MET:HE1	1.86	1.09
2:1r:223:ARG:HD3	2:3r:227:GLY:CA	1.80	1.09
2:1r:226:ILE:CD1	2:3r:226:ILE:CD1	2.30	1.09
2:1s:38:ILE:HD11	2:1s:114:ARG:NH2	1.68	1.09
2:5k:41:TYR:HE2	2:5k:57:MET:CE	1.64	1.09
2:5k:41:TYR:CE2	2:5k:57:MET:HE1	1.86	1.09
2:6r:240:THR:O	2:5n:246:LYS:HE2	1.50	1.09
2:6t:41:TYR:CE2	2:6t:57:MET:HE1	1.86	1.09
2:8x:98:ALA:CA	2:8x:110:LEU:HB3	1.80	1.09
2:8y:41:TYR:HE2	2:8y:57:MET:CE	1.64	1.09
2:8y:222:LEU:CB	2:9J:226:ILE:HG22	1.72	1.09
2:8z:254:SER:HB3	2:9N:266:LEU:HD23	1.28	1.09
2:1u:41:TYR:HE2	2:1u:57:MET:CE	1.64	1.09
2:1v:247:LYS:HD3	2:3v:239:THR:HG23	1.20	1.09
2:1w:267:ASN:CG	2:3w:254:SER:CA	2.16	1.09
2:2v:57:MET:HE2	2:4m:111:VAL:HG22	1.20	1.09
2:5m:41:TYR:HE2	2:5m:57:MET:CE	1.64	1.09
2:6v:41:TYR:CE2	2:6v:57:MET:HE1	1.86	1.09
2:6w:242:LEU:HD21	2:7t:236:ALA:HA	1.27	1.09
2:6x:38:ILE:HD11	2:6x:114:ARG:NH2	1.68	1.09
2:9N:41:TYR:HE2	2:9N:57:MET:CE	1.64	1.09
1:8A:448:ALA:HB3	2:8e:57:MET:HA	1.16	1.09
1:3I:448:ALA:HB3	2:3l:41:TYR:HD2	1.15	1.09
1:7G:447:GLN:HG2	2:7g:44:VAL:HG22	1.28	1.09
1:8Z:447:GLN:HB2	2:9N:56:ASN:HB2	1.28	1.09
1:8Z:447:GLN:OE1	2:9N:56:ASN:ND2	1.86	1.09
2:1e:38:ILE:HD11	2:1e:114:ARG:NH2	1.68	1.09
2:1e:41:TYR:HE2	2:1e:57:MET:CE	1.64	1.09
2:1e:228:ALA:HA	2:1l:229:GLY:O	1.50	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1f:242:LEU:HD22	2:2a:244:GLY:C	1.76	1.09
2:1g:41:TYR:CE2	2:1g:57:MET:HE1	1.86	1.09
2:2Z:244:GLY:HA2	2:1l:243:GLY:O	1.51	1.09
2:2b:223:ARG:HD2	2:3e:228:ALA:HA	1.30	1.09
2:2d:266:LEU:CD1	2:3k:266:LEU:HD13	1.83	1.09
2:3h:235:PRO:O	2:2w:242:LEU:HD13	1.34	1.09
2:5e:226:ILE:HD11	2:7Z:226:ILE:CD1	1.83	1.09
2:5f:247:LYS:N	2:6v:239:THR:HA	1.67	1.09
2:6g:240:THR:HA	2:7Z:246:LYS:HD3	1.34	1.09
2:7c:256:ALA:HB3	2:8j:263:VAL:HG21	1.16	1.09
2:7d:247:LYS:CE	2:9P:280:SER:OG	1.99	1.09
2:1i:41:TYR:HE2	2:1i:57:MET:HE1	1.05	1.09
2:1i:41:TYR:HE2	2:1i:57:MET:CE	1.64	1.09
2:5g:111:VAL:HG22	2:7e:57:MET:HE2	1.26	1.09
2:6l:41:TYR:CE2	2:6l:57:MET:HE1	1.86	1.09
2:8m:237:ALA:HB1	2:8q:247:LYS:HB2	1.32	1.09
2:8m:242:LEU:HD23	2:8q:246:LYS:HG2	1.25	1.09
2:8m:247:LYS:CG	2:9H:239:THR:HG23	1.82	1.09
2:1n:247:LYS:HB3	2:3n:239:THR:CB	1.81	1.09
2:1o:41:TYR:HE2	2:1o:57:MET:CE	1.64	1.09
2:2m:241:THR:HG22	2:3t:234:LEU:CD2	1.81	1.09
2:2n:266:LEU:CD1	2:3s:266:LEU:HD13	1.83	1.09
2:6m:248:GLY:O	2:8u:279:ILE:HA	1.53	1.09
2:8q:232:TYR:CE1	2:9H:232:TYR:O	2.06	1.09
2:8q:237:ALA:HB1	2:9H:246:LYS:HA	1.34	1.09
2:1s:266:LEU:HD21	2:3s:265:ASP:CB	1.81	1.09
2:2o:246:LYS:HD3	2:1x:240:THR:HA	1.35	1.09
2:2p:200:LEU:HD22	2:3r:200:LEU:HD12	1.20	1.09
2:2p:242:LEU:C	2:3r:234:LEU:HD21	1.77	1.09
2:2q:223:ARG:HD2	2:3q:228:ALA:HA	1.30	1.09
2:2q:273:LEU:HD21	2:3q:279:ILE:HG21	1.09	1.09
2:2r:241:THR:HG22	2:3x:234:LEU:CD2	1.81	1.09
2:3r:38:ILE:HD11	2:3r:114:ARG:NH2	1.68	1.09
2:4k:41:TYR:CE2	2:4k:57:MET:HE1	1.86	1.09
2:6r:41:TYR:HE2	2:6r:57:MET:HE1	1.05	1.09
2:8w:184:LEU:HD21	2:9I:184:LEU:HD21	1.26	1.09
2:8w:201:VAL:C	2:9I:193:LYS:HD3	1.76	1.09
2:8w:232:TYR:HB2	2:9I:232:TYR:HB3	1.31	1.09
2:8y:219:LYS:O	2:9J:226:ILE:O	1.71	1.09
2:1v:242:LEU:HD22	2:2u:244:GLY:C	1.76	1.09
2:2u:200:LEU:HD22	2:3v:200:LEU:HD12	1.21	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2u:239:THR:HB	2:3v:247:LYS:O	1.51	1.09
2:2u:242:LEU:HD13	2:3v:235:PRO:C	1.73	1.09
2:2v:210:LEU:HA	2:3u:206:VAL:HG11	1.18	1.09
2:2v:223:ARG:HD2	2:3u:228:ALA:HA	1.30	1.09
2:5m:38:ILE:HD11	2:5m:114:ARG:NH2	1.68	1.09
2:5m:98:ALA:CA	2:5m:110:LEU:HB3	1.80	1.09
2:5m:263:VAL:HG22	2:6w:256:ALA:HB3	1.35	1.09
2:7w:262:ALA:HB2	2:9R:263:VAL:CG2	1.82	1.09
2:9M:229:GLY:HA2	2:9J:231:PRO:CG	1.81	1.09
1:6R:447:GLN:CA	2:6m:56:ASN:HB2	1.82	1.09
1:8R:448:ALA:HB2	2:8s:41:TYR:HD2	1.17	1.09
1:5W:445:GLY:CA	2:5k:44:VAL:HB	1.81	1.09
1:9D:407:ASN:ND2	2:9I:46:ASP:O	1.86	1.09
2:1g:259:VAL:CG2	2:3g:259:VAL:H	1.45	1.09
2:1g:266:LEU:HD21	2:3g:265:ASP:CB	1.81	1.09
2:1g:267:ASN:CG	2:3g:254:SER:CA	2.16	1.09
2:1h:116:LYS:HA	2:1h:116:LYS:HE3	1.35	1.09
2:1h:243:GLY:O	2:2t:244:GLY:HA2	1.51	1.09
2:2Z:210:LEU:HA	2:1l:206:VAL:HG11	1.24	1.09
2:3g:243:GLY:HA2	2:2x:234:LEU:CD2	1.82	1.09
2:5e:41:TYR:CE2	2:5e:57:MET:HE1	1.86	1.09
2:6f:242:LEU:CD2	2:5h:244:GLY:C	2.24	1.09
2:7a:240:THR:O	2:6v:246:LYS:HE2	1.51	1.09
2:7c:256:ALA:HB3	2:8j:263:VAL:CG2	1.81	1.09
2:8e:175:PHE:CE1	2:9F:171:GLN:CG	2.36	1.09
2:8g:212:GLY:HA3	2:9G:203:ASN:HD22	1.03	1.09
2:8g:222:LEU:CB	2:9G:226:ILE:HG22	1.72	1.09
2:8g:244:GLY:HA3	2:9G:242:LEU:HB3	1.15	1.09
2:8h:116:LYS:HE3	2:8h:116:LYS:HA	1.35	1.09
2:8h:226:ILE:O	2:7i:223:ARG:HG3	1.52	1.09
2:1k:98:ALA:CA	2:1k:110:LEU:HB3	1.80	1.09
2:2g:246:LYS:HB3	2:3i:239:THR:O	1.51	1.09
2:2h:226:ILE:C	2:3p:223:ARG:CG	2.26	1.09
2:6k:240:THR:HA	2:7e:246:LYS:HD3	1.34	1.09
2:8m:209:LEU:O	2:9H:206:VAL:HG21	1.51	1.09
2:8m:246:LYS:HE2	2:9H:240:THR:O	1.53	1.09
2:1m:226:ILE:HG12	2:2j:226:ILE:CD1	1.83	1.09
2:1o:41:TYR:HE2	2:1o:57:MET:HE1	1.05	1.09
2:2j:210:LEU:HA	2:1t:206:VAL:HG11	1.24	1.09
2:2l:236:ALA:N	2:3m:242:LEU:HD11	1.52	1.09
2:2m:120:ILE:HD13	2:3t:120:ILE:CD1	1.80	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:269:LEU:HD22	2:3s:270:ILE:HG13	1.29	1.09
2:3p:41:TYR:HE2	2:3p:57:MET:CE	1.64	1.09
2:8q:175:PHE:CE1	2:9H:171:GLN:CG	2.36	1.09
2:8q:270:ILE:N	2:9H:269:LEU:HD21	1.58	1.09
2:8s:219:LYS:O	2:9I:226:ILE:O	1.71	1.09
2:8u:41:TYR:HE2	2:8u:57:MET:CE	1.64	1.09
2:1q:222:LEU:CB	2:2o:226:ILE:CG2	2.20	1.09
2:1q:234:LEU:HD21	2:2o:242:LEU:CB	1.83	1.09
2:1r:116:LYS:HA	2:1r:116:LYS:HE3	1.34	1.09
2:1s:267:ASN:ND2	2:3s:254:SER:C	1.93	1.09
2:2s:245:VAL:HG22	2:3w:245:VAL:HG13	1.35	1.09
2:2s:266:LEU:CD1	2:3w:266:LEU:HD13	1.83	1.09
2:7r:256:ALA:HB3	2:9L:263:VAL:CG2	1.81	1.09
2:8w:244:GLY:HA2	2:9I:244:GLY:HA2	1.16	1.09
2:9K:38:ILE:HD11	2:9K:114:ARG:NH2	1.67	1.09
2:1u:38:ILE:HD11	2:1u:114:ARG:NH2	1.68	1.09
2:2v:246:LYS:HB3	2:3u:239:THR:O	1.51	1.09
2:3v:38:ILE:HD11	2:3v:114:ARG:NH2	1.68	1.09
2:3v:41:TYR:CE2	2:3v:57:MET:HE1	1.86	1.09
2:3x:41:TYR:CE2	2:3x:57:MET:HE1	1.86	1.09
2:4m:41:TYR:HE2	2:4m:57:MET:CE	1.64	1.09
2:5m:41:TYR:CE2	2:5m:57:MET:HE1	1.86	1.09
2:6u:257:THR:O	2:9Q:259:VAL:HB	1.50	1.09
2:6x:41:TYR:CE2	2:6x:57:MET:HE1	1.86	1.09
1:1C:444:GLY:N	2:1g:45:LYS:HZ2	1.49	1.08
1:3C:202:GLU:OE1	1:3C:343:SER:HB2	1.53	1.08
1:7C:443:SER:O	2:7a:45:LYS:NZ	1.85	1.08
1:7G:447:GLN:CG	2:7g:44:VAL:HG21	1.82	1.08
1:8L:444:GLY:O	2:8m:53:THR:OG1	1.68	1.08
1:2K:447:GLN:C	2:2m:41:TYR:CD1	2.27	1.08
1:5Q:199:LYS:HG3	1:5Q:202:GLU:HG3	1.26	1.08
1:4d:446:ALA:CB	2:4n:56:ASN:HB2	1.82	1.08
2:1e:235:PRO:O	2:2Z:242:LEU:CD1	2.01	1.08
2:1h:206:VAL:HG11	2:2t:210:LEU:HA	1.24	1.08
2:1h:239:THR:O	2:2t:246:LYS:HB3	1.51	1.08
2:2a:242:LEU:CD1	2:3f:236:ALA:N	2.15	1.08
2:2b:210:LEU:HD23	2:3e:206:VAL:CG1	1.81	1.08
2:2d:234:LEU:CD2	2:3k:243:GLY:HA2	1.81	1.08
2:3h:209:LEU:HA	2:2w:225:MET:SD	1.93	1.08
2:3h:223:ARG:CG	2:2w:226:ILE:C	2.26	1.08
2:6f:246:LYS:HE2	2:7f:240:THR:O	1.50	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:212:GLY:CA	2:9G:203:ASN:ND2	2.14	1.08
2:8g:259:VAL:HG12	2:8k:257:THR:HA	1.29	1.08
2:8h:242:LEU:HB3	2:7i:234:LEU:HD21	1.32	1.08
2:1i:235:PRO:O	2:2e:242:LEU:CD1	2.01	1.08
2:1j:247:LYS:HB3	2:3j:239:THR:CB	1.81	1.08
2:1j:247:LYS:HB3	2:3j:239:THR:N	1.64	1.08
2:1k:266:LEU:HD21	2:3k:265:ASP:CB	1.81	1.08
2:1k:267:ASN:CG	2:3k:254:SER:CA	2.16	1.08
2:2f:242:LEU:O	2:3j:234:LEU:CD2	2.00	1.08
2:5g:263:VAL:HG22	2:6k:256:ALA:HB3	1.35	1.08
2:7h:256:ALA:HB3	2:8p:263:VAL:CG2	1.81	1.08
2:8l:38:ILE:HD11	2:8l:114:ARG:NH2	1.68	1.08
2:8m:246:LYS:HD3	2:9H:240:THR:HA	1.31	1.08
2:8o:38:ILE:HD11	2:8o:114:ARG:NH2	1.68	1.08
2:1o:267:ASN:OD1	2:3o:254:SER:CB	2.00	1.08
2:2m:225:MET:SD	2:3t:209:LEU:HA	1.93	1.08
2:6n:240:THR:O	2:5l:246:LYS:HE2	1.50	1.08
2:8q:174:LEU:CD2	2:9H:170:LEU:HB3	1.83	1.08
2:8s:246:LYS:HE2	2:9I:240:THR:O	1.53	1.08
2:1q:235:PRO:O	2:2o:242:LEU:CD1	2.01	1.08
2:1q:242:LEU:HA	2:1x:245:VAL:O	1.52	1.08
2:2p:239:THR:HG22	2:3r:248:GLY:N	1.66	1.08
2:2r:225:MET:HG3	2:3x:214:PRO:HG3	1.09	1.08
2:2r:225:MET:SD	2:3x:209:LEU:HA	1.93	1.08
2:2s:269:LEU:HD22	2:3w:270:ILE:HG12	1.14	1.08
2:4k:41:TYR:HE2	2:4k:57:MET:CE	1.64	1.08
2:6r:111:VAL:HG22	2:7u:57:MET:HE2	1.33	1.08
2:8x:38:ILE:HD11	2:8x:114:ARG:NH2	1.68	1.08
2:8z:226:ILE:O	2:7x:223:ARG:HG3	1.52	1.08
2:1u:226:ILE:CD1	2:2t:226:ILE:HD11	1.82	1.08
2:3v:41:TYR:HE2	2:3v:57:MET:CE	1.64	1.08
1:5F:446:ALA:CB	2:5f:56:ASN:CB	2.22	1.08
1:5Q:447:GLN:HG3	2:5i:44:VAL:CG2	1.83	1.08
1:6R:446:ALA:O	2:6m:44:VAL:HG13	1.52	1.08
1:2R:392:THR:HA	2:2p:46:ASP:OD2	1.53	1.08
1:2W:447:GLN:O	2:2u:41:TYR:CD1	2.04	1.08
2:1g:242:LEU:N	2:3g:246:LYS:HE2	1.68	1.08
2:1g:266:LEU:HD11	2:3g:266:LEU:HA	1.27	1.08
2:1g:279:ILE:CG2	2:3g:272:VAL:HG11	1.72	1.08
2:1h:225:MET:HG2	2:2t:214:PRO:HG3	1.30	1.08
2:2a:242:LEU:O	2:3f:234:LEU:CD2	2.00	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:245:VAL:HG22	2:3k:245:VAL:HG13	1.35	1.08
2:2d:269:LEU:HD22	2:3k:270:ILE:HG13	1.29	1.08
2:3h:2:MET:HE1	2:4n:58:TYR:HB3	1.29	1.08
2:3h:234:LEU:CG	2:2w:242:LEU:HB2	1.84	1.08
2:6f:238:THR:O	2:5h:247:LYS:N	1.84	1.08
2:7d:234:LEU:HD23	2:9P:242:LEU:HB2	1.24	1.08
2:8g:38:ILE:HD11	2:8g:114:ARG:NH2	1.68	1.08
2:3l:41:TYR:HE2	2:3l:57:MET:CE	1.64	1.08
2:6i:248:GLY:O	2:8o:279:ILE:HA	1.53	1.08
2:8k:116:LYS:HA	2:8k:116:LYS:HE3	1.35	1.08
2:8m:38:ILE:HD11	2:8m:114:ARG:NH2	1.67	1.08
2:8m:200:LEU:HD11	2:9H:200:LEU:HD22	1.22	1.08
2:8o:41:TYR:HE2	2:8o:57:MET:HE1	1.05	1.08
2:1n:226:ILE:CD1	2:3n:226:ILE:CD1	2.30	1.08
2:1o:242:LEU:N	2:3o:246:LYS:HE2	1.68	1.08
2:1o:278:ILE:CG2	2:3o:278:ILE:CD1	2.01	1.08
2:2l:223:ARG:HD3	2:3m:228:ALA:N	1.66	1.08
2:2m:225:MET:HG3	2:3t:214:PRO:HG3	1.09	1.08
2:2n:279:ILE:HD12	2:1s:251:VAL:HG13	1.32	1.08
2:3p:41:TYR:HE2	2:3p:57:MET:HE1	1.05	1.08
2:6n:239:THR:HA	2:5l:247:LYS:N	1.67	1.08
2:7m:262:ALA:HB2	2:8v:263:VAL:CG2	1.82	1.08
2:7m:265:ASP:C	2:8v:266:LEU:HD21	1.78	1.08
2:8s:212:GLY:HA3	2:9I:203:ASN:HD22	1.03	1.08
2:8s:259:VAL:HG21	2:8w:257:THR:O	1.53	1.08
2:1s:278:ILE:CG2	2:3s:278:ILE:CD1	2.01	1.08
2:2o:223:ARG:HD3	2:1x:227:GLY:C	1.78	1.08
2:2q:247:LYS:HG2	2:3q:280:SER:OG	1.52	1.08
2:2s:266:LEU:HD13	2:3w:266:LEU:HD13	1.28	1.08
2:4k:38:ILE:HD11	2:4k:114:ARG:NH2	1.67	1.08
2:5k:98:ALA:CA	2:5k:110:LEU:HB3	1.80	1.08
2:5k:226:ILE:HD11	2:7o:226:ILE:CD1	1.83	1.08
2:8w:175:PHE:CE1	2:9I:171:GLN:CG	2.36	1.08
2:1v:200:LEU:HD11	2:3v:200:LEU:CD2	1.83	1.08
2:1v:226:ILE:CD1	2:3v:226:ILE:CD1	2.30	1.08
2:1w:263:VAL:HG21	2:3w:256:ALA:HB1	1.13	1.08
2:1x:116:LYS:HE3	2:1x:116:LYS:HA	1.34	1.08
2:2v:244:GLY:HA2	2:3u:243:GLY:O	1.51	1.08
2:6v:38:ILE:HD11	2:6v:114:ARG:NH2	1.68	1.08
2:6w:279:ILE:HG21	2:7t:273:LEU:HD21	1.31	1.08
2:9M:174:LEU:CD2	2:9J:170:LEU:HB3	1.83	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:175:PHE:CE1	2:9J:171:GLN:CG	2.36	1.08
2:9N:38:ILE:HD11	2:9N:114:ARG:NH2	1.67	1.08
1:8D:445:GLY:HA2	2:8i:45:LYS:HB2	1.33	1.08
1:3O:443:SER:N	2:3p:45:LYS:HZ1	1.51	1.08
1:1a:444:GLY:HA2	2:1w:45:LYS:HD2	1.12	1.08
1:1b:448:ALA:O	2:1x:41:TYR:HE1	1.31	1.08
2:1g:41:TYR:HE2	2:1g:57:MET:CE	1.64	1.08
2:1h:245:VAL:O	2:1u:242:LEU:HA	1.52	1.08
2:2c:226:ILE:C	2:3l:223:ARG:CG	2.26	1.08
2:2c:242:LEU:HB2	2:3l:234:LEU:CG	1.84	1.08
2:2c:242:LEU:HB2	2:3l:234:LEU:HG	1.34	1.08
2:3g:237:ALA:HB1	2:2x:245:VAL:O	1.51	1.08
2:3g:245:VAL:HG13	2:2x:245:VAL:HG22	1.35	1.08
2:3g:266:LEU:HD13	2:2x:266:LEU:CD1	1.83	1.08
2:4e:41:TYR:HE2	2:4e:57:MET:CE	1.64	1.08
2:5e:111:VAL:HG22	2:7Z:57:MET:HE2	1.26	1.08
2:6e:257:THR:O	2:8i:259:VAL:HB	1.50	1.08
2:6f:38:ILE:HD11	2:6f:114:ARG:NH2	1.67	1.08
2:8e:229:GLY:HA2	2:9F:231:PRO:HG3	1.10	1.08
2:8e:232:TYR:CE1	2:9F:232:TYR:O	2.06	1.08
2:1i:38:ILE:HD11	2:1i:114:ARG:NH2	1.68	1.08
2:1i:200:LEU:HD12	2:2e:200:LEU:HD22	1.19	1.08
2:1i:226:ILE:HD11	2:2e:226:ILE:HD11	1.32	1.08
2:1i:226:ILE:CD1	2:2e:226:ILE:HD11	1.82	1.08
2:1j:226:ILE:CD1	2:3j:226:ILE:CD1	2.30	1.08
2:2e:223:ARG:HD3	2:1p:227:GLY:C	1.78	1.08
2:3l:38:ILE:HD11	2:3l:114:ARG:NH2	1.67	1.08
2:8k:175:PHE:CD1	2:9G:171:GLN:NE2	2.22	1.08
2:8k:237:ALA:HB1	2:9G:246:LYS:HA	1.34	1.08
2:8m:219:LYS:O	2:9H:226:ILE:O	1.70	1.08
2:8p:116:LYS:HE3	2:8p:116:LYS:HA	1.35	1.08
2:1m:234:LEU:HD21	2:2j:242:LEU:CB	1.83	1.08
2:1m:247:LYS:HG2	2:2j:239:THR:HG22	1.30	1.08
2:1n:116:LYS:HE3	2:1n:116:LYS:HA	1.35	1.08
2:2m:226:ILE:C	2:3t:223:ARG:CG	2.26	1.08
2:3n:38:ILE:HD11	2:3n:114:ARG:NH2	1.68	1.08
2:4i:41:TYR:HE2	2:4i:57:MET:CE	1.64	1.08
2:5i:38:ILE:HD11	2:5i:114:ARG:NH2	1.68	1.08
2:6p:111:VAL:HG22	2:7m:57:MET:HE2	1.17	1.08
2:8s:41:TYR:HE2	2:8s:57:MET:CE	1.64	1.08
2:8s:235:PRO:O	2:9I:242:LEU:HD13	0.90	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:259:VAL:HG12	2:8w:257:THR:HA	1.29	1.08
2:8u:38:ILE:HD11	2:8u:114:ARG:NH2	1.68	1.08
2:8v:116:LYS:HA	2:8v:116:LYS:HE3	1.35	1.08
2:1r:247:LYS:HB3	2:3r:239:THR:CB	1.81	1.08
2:1s:242:LEU:N	2:3s:246:LYS:HE2	1.68	1.08
2:1s:267:ASN:OD1	2:3s:254:SER:CB	1.99	1.08
2:2q:232:TYR:CD2	2:3q:232:TYR:CZ	2.42	1.08
2:2r:242:LEU:HD13	2:3x:235:PRO:O	1.34	1.08
2:2s:279:ILE:HD12	2:1w:251:VAL:HG13	1.32	1.08
2:5k:245:VAL:N	2:7o:242:LEU:HD22	1.68	1.08
2:6q:256:ALA:CB	2:9K:263:VAL:HG22	1.75	1.08
2:8w:175:PHE:CD1	2:9I:171:GLN:NE2	2.22	1.08
2:8x:41:TYR:HE2	2:8x:57:MET:CE	1.64	1.08
2:1w:259:VAL:HG21	2:3w:259:VAL:H	0.93	1.08
2:1w:263:VAL:CG1	2:3w:256:ALA:HB3	1.84	1.08
2:2v:247:LYS:HG2	2:3u:280:SER:OG	1.52	1.08
2:6u:116:LYS:HA	2:6u:116:LYS:HE3	1.35	1.08
2:9M:175:PHE:CD1	2:9J:171:GLN:NE2	2.22	1.08
2:9Q:41:TYR:HE2	2:9Q:57:MET:CE	1.64	1.08
1:4F:448:ALA:CB	2:4f:41:TYR:CE1	2.36	1.08
1:3O:202:GLU:HB2	1:3O:343:SER:HB2	1.31	1.08
1:5X:443:SER:C	2:5l:44:VAL:CG2	2.26	1.08
1:6X:444:GLY:C	2:6q:44:VAL:HG21	1.78	1.08
2:1e:226:ILE:HG12	2:2Z:226:ILE:CD1	1.83	1.08
2:1e:226:ILE:CD1	2:2Z:226:ILE:HD11	1.82	1.08
2:2b:210:LEU:HA	2:3e:206:VAL:HG11	1.18	1.08
2:2c:225:MET:HG3	2:3l:214:PRO:HG3	1.09	1.08
2:2c:225:MET:SD	2:3l:209:LEU:HA	1.93	1.08
2:3h:223:ARG:CA	2:2w:226:ILE:HG13	1.80	1.08
2:4e:38:ILE:HD11	2:4e:114:ARG:NH2	1.68	1.08
2:7c:251:VAL:HG13	2:8j:279:ILE:HD12	1.28	1.08
2:7d:226:ILE:HD11	2:9P:226:ILE:HD11	1.22	1.08
2:8e:270:ILE:HD11	2:9F:269:LEU:CB	1.82	1.08
2:8g:219:LYS:O	2:9G:226:ILE:O	1.71	1.08
2:1i:226:ILE:HG12	2:2e:226:ILE:CD1	1.83	1.08
2:1k:263:VAL:HG22	2:3k:262:ALA:HA	1.36	1.08
2:1l:116:LYS:HE3	2:1l:116:LYS:HA	1.35	1.08
2:2e:246:LYS:HD3	2:1p:240:THR:HA	1.35	1.08
2:2g:244:GLY:HA2	2:3i:243:GLY:O	1.51	1.08
2:2h:225:MET:SD	2:3p:209:LEU:HA	1.93	1.08
2:5g:245:VAL:N	2:7e:242:LEU:HD22	1.68	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7h:265:ASP:C	2:8p:266:LEU:HD21	1.77	1.08
2:8k:279:ILE:CA	2:9G:248:GLY:CA	2.10	1.08
2:8m:263:VAL:HG21	2:8q:256:ALA:C	1.79	1.08
2:1m:244:GLY:H	2:2j:242:LEU:HD13	0.93	1.08
2:1o:259:VAL:HG22	2:3o:259:VAL:N	1.50	1.08
2:2j:223:ARG:HD3	2:1t:227:GLY:C	1.78	1.08
2:2k:242:LEU:C	2:3n:234:LEU:HD21	1.77	1.08
2:2l:273:LEU:CD2	2:3m:279:ILE:CG2	2.30	1.08
2:6p:38:ILE:HD11	2:6p:114:ARG:NH2	1.67	1.08
2:8r:41:TYR:HE2	2:8r:57:MET:CE	1.64	1.08
2:8s:222:LEU:HB2	2:9I:226:ILE:CG2	1.83	1.08
2:8s:247:LYS:CG	2:9I:239:THR:HG23	1.82	1.08
2:8s:266:LEU:HD21	2:8w:254:SER:HB2	1.19	1.08
2:1q:226:ILE:CD1	2:2o:226:ILE:HD11	1.82	1.08
2:1q:226:ILE:HG12	2:2o:226:ILE:CD1	1.83	1.08
2:3t:41:TYR:CE2	2:3t:57:MET:HE1	1.86	1.08
2:6t:111:VAL:HG22	2:7r:57:MET:HE2	1.17	1.08
2:1w:266:LEU:HD21	2:3w:265:ASP:CB	1.81	1.08
2:1w:266:LEU:HD22	2:3w:266:LEU:N	1.57	1.08
2:2u:57:MET:HE2	2:3v:111:VAL:HG22	1.32	1.08
2:3x:38:ILE:HD11	2:3x:114:ARG:NH2	1.68	1.08
2:9M:148[B]:ILE:HD12	2:9J:148[B]:ILE:HD11	1.16	1.08
2:9M:278:ILE:CB	2:9J:278:ILE:HD13	1.72	1.08
2:9O:38:ILE:HD11	2:9O:114:ARG:NH2	1.68	1.08
1:4F:446:ALA:HB1	2:4f:56:ASN:HB2	1.19	1.08
1:3O:202:GLU:OE1	1:3O:343:SER:HB2	1.53	1.08
1:1U:444:GLY:HA2	2:1s:45:LYS:HD2	1.13	1.08
1:3U:202:GLU:OE1	1:3U:343:SER:HB2	1.53	1.08
1:8W:445:GLY:CA	2:8z:45:LYS:HG2	1.84	1.08
2:1e:226:ILE:HD11	2:2Z:226:ILE:HD11	1.32	1.08
2:1e:244:GLY:H	2:2Z:242:LEU:HD13	0.92	1.08
2:3f:38:ILE:HD11	2:3f:114:ARG:NH2	1.67	1.08
2:6e:256:ALA:CB	2:8i:263:VAL:HG22	1.75	1.08
2:6g:206:VAL:HG11	2:7Z:210:LEU:HA	1.33	1.08
2:8e:237:ALA:HB2	2:9F:245:VAL:C	1.58	1.08
2:8e:259:VAL:CG1	2:9F:259:VAL:CA	1.89	1.08
2:8g:246:LYS:HE2	2:9G:240:THR:O	1.53	1.08
2:8g:263:VAL:HG21	2:8k:256:ALA:C	1.79	1.08
2:1i:120:ILE:HD11	2:2e:120:ILE:HD13	1.12	1.08
2:1k:38:ILE:HD11	2:1k:114:ARG:NH2	1.68	1.08
2:1k:259:VAL:HG22	2:3k:259:VAL:N	1.50	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:259:VAL:HG21	2:3k:259:VAL:H	0.93	1.08
2:1k:263:VAL:HG21	2:3k:256:ALA:HB1	1.13	1.08
2:2g:273:LEU:CD2	2:3i:279:ILE:CG2	2.30	1.08
2:2h:242:LEU:HD21	2:3p:237:ALA:H	1.13	1.08
2:2h:242:LEU:HD13	2:3p:235:PRO:O	1.34	1.08
2:6i:256:ALA:HB3	2:8o:263:VAL:HG23	1.36	1.08
2:6l:120:ILE:HD13	2:7h:120:ILE:HD13	1.31	1.08
2:8k:174:LEU:CD2	2:9G:170:LEU:HB3	1.83	1.08
2:8k:232:TYR:CE1	2:9G:232:TYR:O	2.06	1.08
2:1m:242:LEU:HA	2:1t:245:VAL:O	1.52	1.08
2:1o:38:ILE:HD11	2:1o:114:ARG:NH2	1.68	1.08
2:2k:226:ILE:C	2:3n:223:ARG:HG3	1.79	1.08
2:2k:239:THR:N	2:3n:247:LYS:HB3	1.69	1.08
2:2m:226:ILE:C	2:3t:223:ARG:HG3	1.34	1.08
2:3m:248:GLY:O	2:4i:280:SER:OG	1.68	1.08
2:6n:41:TYR:HE2	2:6n:57:MET:HE1	1.05	1.08
2:8q:232:TYR:HB2	2:9H:232:TYR:HB3	1.31	1.08
2:8r:38:ILE:HD11	2:8r:114:ARG:NH2	1.68	1.08
2:1r:200:LEU:HD11	2:3r:200:LEU:CD2	1.83	1.08
2:2o:214:PRO:HG3	2:1x:225:MET:HG2	1.30	1.08
2:2r:242:LEU:HB2	2:3x:234:LEU:CG	1.84	1.08
2:3t:38:ILE:HD11	2:3t:114:ARG:NH2	1.68	1.08
2:6r:246:LYS:HE2	2:7u:240:THR:O	1.50	1.08
2:7r:256:ALA:HB3	2:9L:263:VAL:HG21	1.16	1.08
2:8w:232:TYR:CG	2:9I:232:TYR:CB	2.05	1.08
2:1u:235:PRO:O	2:2t:242:LEU:CD1	2.01	1.08
2:2u:242:LEU:C	2:3v:234:LEU:HD21	1.77	1.08
2:5m:111:VAL:HG22	2:7t:57:MET:HE2	1.26	1.08
2:9M:259:VAL:CG1	2:9J:259:VAL:CA	1.89	1.08
1:3I:202:GLU:HB2	1:3I:343:SER:HB2	1.31	1.07
1:2K:447:GLN:O	2:2m:41:TYR:CD1	2.06	1.07
1:6R:447:GLN:HA	2:6m:56:ASN:CB	1.84	1.07
1:8V:447:GLN:HG2	2:9K:44:VAL:HG23	1.33	1.07
1:3a:202:GLU:HB2	1:3a:343:SER:HB2	1.31	1.07
1:8c:445:GLY:O	2:9P:44:VAL:CG2	1.98	1.07
2:2a:242:LEU:C	2:3f:234:LEU:HD21	1.77	1.07
2:3g:116:LYS:HA	2:3g:116:LYS:HE3	1.35	1.07
2:8e:246:LYS:HG2	2:9O:242:LEU:HD23	1.25	1.07
2:8g:236:ALA:N	2:9G:242:LEU:CD1	2.01	1.07
2:9F:200:LEU:O	2:9O:197:GLN:HG3	1.55	1.07
2:1k:41:TYR:HE2	2:1k:57:MET:CE	1.64	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:242:LEU:N	2:3k:246:LYS:HE2	1.68	1.07
2:2g:223:ARG:HD3	2:3i:228:ALA:N	1.66	1.07
2:2g:242:LEU:HD22	2:4g:244:GLY:O	1.55	1.07
2:4g:38:ILE:HD11	2:4g:114:ARG:NH2	1.67	1.07
2:4g:41:TYR:HE2	2:4g:57:MET:CE	1.64	1.07
2:5g:226:ILE:HD11	2:7e:226:ILE:CD1	1.83	1.07
2:8k:200:LEU:HD22	2:9G:196:LEU:HB3	1.36	1.07
2:8m:235:PRO:O	2:9H:242:LEU:HD13	0.90	1.07
2:1o:266:LEU:HD21	2:3o:265:ASP:CB	1.81	1.07
2:2k:239:THR:O	2:3n:246:LYS:HB3	0.90	1.07
2:2k:242:LEU:CD1	2:3n:236:ALA:N	2.15	1.07
2:2k:242:LEU:O	2:3n:234:LEU:CD2	2.00	1.07
2:2m:242:LEU:HB2	2:3t:234:LEU:CG	1.84	1.07
2:2n:245:VAL:O	2:3s:237:ALA:HB1	1.51	1.07
2:3p:38:ILE:HD11	2:3p:114:ARG:NH2	1.67	1.07
2:4i:38:ILE:HD11	2:4i:114:ARG:NH2	1.68	1.07
2:8s:120:ILE:HD11	2:9I:120:ILE:HD13	1.20	1.07
2:1q:247:LYS:HE2	2:2o:280:SER:OG	1.55	1.07
2:6q:269:LEU:CD2	2:9K:269:LEU:HD21	1.76	1.07
2:7r:262:ALA:HB2	2:9L:263:VAL:CG2	1.81	1.07
2:8w:237:ALA:HB1	2:9I:246:LYS:HA	1.34	1.07
2:8w:270:ILE:HD11	2:9I:269:LEU:CB	1.82	1.07
2:8y:197:GLN:HG3	2:9J:200:LEU:O	1.55	1.07
2:8y:237:ALA:HB1	2:9M:247:LYS:HB2	1.32	1.07
2:1u:226:ILE:HG12	2:2t:226:ILE:CD1	1.83	1.07
2:1w:38:ILE:HD11	2:1w:114:ARG:NH2	1.68	1.07
2:1w:279:ILE:CG2	2:3w:272:VAL:HG11	1.72	1.07
2:2u:242:LEU:HD11	2:3v:236:ALA:HA	1.13	1.07
2:5m:226:ILE:HD11	2:7t:226:ILE:CD1	1.83	1.07
2:6u:251:VAL:HG13	2:9Q:279:ILE:HD13	1.25	1.07
2:9P:116:LYS:HE3	2:9P:116:LYS:HA	1.35	1.07
1:6S:447:GLN:CG	2:6t:60:LEU:HD11	1.82	1.07
1:7T:448:ALA:HB2	2:7r:60:LEU:HD12	1.08	1.07
2:1h:227:GLY:C	2:2t:223:ARG:HD3	1.79	1.07
2:2Z:223:ARG:HD3	2:1l:227:GLY:C	1.78	1.07
2:2b:57:MET:HE2	2:4e:111:VAL:HG22	1.20	1.07
2:3h:214:PRO:HG3	2:2w:225:MET:HG3	1.09	1.07
2:3h:234:LEU:HG	2:2w:242:LEU:HB2	1.34	1.07
2:5e:263:VAL:CG2	2:6g:256:ALA:CB	2.22	1.07
2:8e:237:ALA:CA	2:9F:245:VAL:O	2.02	1.07
2:8e:244:GLY:N	2:9F:234:LEU:HD21	1.66	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:270:ILE:N	2:9F:269:LEU:CD2	2.18	1.07
2:8f:38:ILE:HD11	2:8f:114:ARG:NH2	1.68	1.07
2:9F:226:ILE:HG22	2:9O:222:LEU:CB	1.72	1.07
2:1j:200:LEU:HD11	2:3j:200:LEU:CD2	1.83	1.07
2:1k:267:ASN:OD1	2:3k:254:SER:CB	2.00	1.07
2:1k:269:LEU:CG	2:3k:269:LEU:CD2	2.27	1.07
2:2f:57:MET:HE2	2:3j:111:VAL:HG22	1.32	1.07
2:2f:239:THR:HB	2:3j:247:LYS:O	1.51	1.07
2:2f:242:LEU:CD1	2:3j:236:ALA:N	2.15	1.07
2:2f:242:LEU:C	2:3j:234:LEU:HD21	1.77	1.07
2:2h:242:LEU:HB2	2:3p:234:LEU:CG	1.84	1.07
2:6j:38:ILE:HD11	2:6j:114:ARG:NH2	1.67	1.07
2:6k:239:THR:O	2:7e:246:LYS:HD3	1.54	1.07
2:8l:99:VAL:HG22	2:8l:109:THR:O	1.55	1.07
2:1m:235:PRO:O	2:2j:242:LEU:CD1	2.01	1.07
2:2l:247:LYS:HG2	2:3m:280:SER:OG	1.52	1.07
2:2m:226:ILE:HG13	2:3t:223:ARG:CA	1.80	1.07
2:2m:242:LEU:HB2	2:3t:234:LEU:HG	1.34	1.07
2:2n:148[B]:ILE:HD11	2:3s:148[B]:ILE:HD12	1.28	1.07
2:3p:99:VAL:HG22	2:3p:109:THR:O	1.55	1.07
2:8q:200:LEU:HD22	2:9H:196:LEU:HB3	1.36	1.07
2:1s:273:LEU:HD11	2:3s:273:LEU:HD11	1.34	1.07
2:2p:226:ILE:HG22	2:3r:222:LEU:HB2	1.36	1.07
2:2q:242:LEU:HD22	2:4k:244:GLY:O	1.55	1.07
2:5k:38:ILE:HD11	2:5k:114:ARG:NH2	1.68	1.07
2:6r:38:ILE:HD11	2:6r:114:ARG:NH2	1.68	1.07
2:6s:279:ILE:HG21	2:7o:273:LEU:HD21	1.31	1.07
2:8y:38:ILE:HD11	2:8y:114:ARG:NH2	1.67	1.07
2:8y:235:PRO:O	2:9J:242:LEU:HD13	0.90	1.07
2:8y:247:LYS:CG	2:9J:239:THR:HG23	1.82	1.07
2:3v:99:VAL:HG22	2:3v:109:THR:O	1.55	1.07
2:4n:116:LYS:HE3	2:4n:116:LYS:HA	1.34	1.07
2:5m:245:VAL:N	2:7t:242:LEU:HD22	1.68	1.07
2:6w:226:ILE:HB	2:7t:222:LEU:HB2	1.32	1.07
1:5K:199:LYS:HG3	1:5K:202:GLU:HG3	1.26	1.07
1:1O:444:GLY:H	2:1o:45:LYS:HE3	1.17	1.07
1:3O:447:GLN:HE21	2:3p:44:VAL:HG21	1.00	1.07
1:7L:447:GLN:C	2:7l:41:TYR:CE1	2.25	1.07
2:2Z:247:LYS:HB3	2:1l:239:THR:HG23	1.15	1.07
2:5e:245:VAL:N	2:7Z:242:LEU:HD22	1.68	1.07
2:6e:248:GLY:O	2:8i:279:ILE:HA	1.53	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:200:LEU:HD22	2:9F:196:LEU:HB3	1.36	1.07
2:8g:235:PRO:O	2:9G:242:LEU:HD13	0.90	1.07
2:9F:226:ILE:CG2	2:9O:222:LEU:HB2	1.84	1.07
2:9F:240:THR:O	2:9O:246:LYS:HE2	1.53	1.07
2:9F:242:LEU:HD13	2:9O:235:PRO:O	0.90	1.07
2:1i:234:LEU:HD21	2:2e:242:LEU:CB	1.83	1.07
2:1k:263:VAL:CG1	2:3k:256:ALA:HB3	1.84	1.07
2:2h:202:SER:HB3	2:3p:193:LYS:HD3	1.35	1.07
2:2h:225:MET:HG3	2:3p:214:PRO:HG3	1.09	1.07
2:2h:226:ILE:HD11	2:3p:226:ILE:HG12	1.09	1.07
2:2i:245:VAL:O	2:3o:237:ALA:HB1	1.51	1.07
2:3j:99:VAL:HG22	2:3j:109:THR:O	1.55	1.07
2:5g:38:ILE:HD11	2:5g:114:ARG:NH2	1.68	1.07
2:1m:38:ILE:HD11	2:1m:114:ARG:NH2	1.68	1.07
2:2l:232:TYR:CD2	2:3m:232:TYR:CZ	2.42	1.07
2:6n:38:ILE:HD11	2:6n:114:ARG:NH2	1.67	1.07
2:8q:175:PHE:CD1	2:9H:171:GLN:NE2	2.22	1.07
2:8s:197:GLN:HG3	2:9I:200:LEU:O	1.54	1.07
2:1r:200:LEU:HD11	2:3r:200:LEU:HD22	1.17	1.07
2:1s:99:VAL:HG22	2:1s:109:THR:O	1.55	1.07
2:2r:226:ILE:C	2:3x:223:ARG:CG	2.26	1.07
2:6q:258:ASP:CA	2:9K:259:VAL:CG2	2.17	1.07
2:8w:174:LEU:CD2	2:9I:170:LEU:HB3	1.83	1.07
2:8w:232:TYR:CE1	2:9I:232:TYR:O	2.06	1.07
2:8y:263:VAL:HG21	2:9M:256:ALA:C	1.79	1.07
2:9K:41:TYR:HE2	2:9K:57:MET:CE	1.64	1.07
2:1u:247:LYS:HG2	2:2t:239:THR:HG22	1.30	1.07
2:1u:247:LYS:HE2	2:2t:280:SER:OG	1.55	1.07
2:1w:242:LEU:N	2:3w:246:LYS:HE2	1.68	1.07
2:6w:116:LYS:HA	2:6w:116:LYS:HE3	1.35	1.07
2:6w:232:TYR:CZ	2:7t:232:TYR:CD2	2.42	1.07
2:6w:239:THR:O	2:7t:246:LYS:HD3	1.54	1.07
2:9M:232:TYR:CE1	2:9J:232:TYR:O	2.06	1.07
1:8I:445:GLY:HA2	2:8p:45:LYS:HG2	1.36	1.07
1:1a:444:GLY:CA	2:1w:45:LYS:HD2	1.84	1.07
2:1e:234:LEU:HD21	2:2Z:242:LEU:CB	1.83	1.07
2:1f:200:LEU:HD11	2:3f:200:LEU:CD2	1.83	1.07
2:1g:38:ILE:HD11	2:1g:114:ARG:NH2	1.68	1.07
2:1g:263:VAL:CG1	2:3g:256:ALA:HB3	1.84	1.07
2:1g:266:LEU:HD22	2:3g:266:LEU:N	1.57	1.07
2:2b:232:TYR:CD2	2:3e:232:TYR:CZ	2.42	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:245:VAL:O	2:3k:237:ALA:HB1	1.51	1.07
2:3h:223:ARG:NH1	2:2w:227:GLY:HA2	1.66	1.07
2:3h:238:THR:O	2:4n:247:LYS:HD2	1.55	1.07
2:5e:279:ILE:HD12	2:6g:251:VAL:HG12	1.27	1.07
2:6g:239:THR:HG23	2:7Z:247:LYS:HB3	1.07	1.07
2:8e:229:GLY:HA3	2:9F:231:PRO:N	1.69	1.07
2:8e:229:GLY:HA2	2:9F:231:PRO:CG	1.81	1.07
2:8g:197:GLN:HG3	2:9G:200:LEU:O	1.55	1.07
2:2f:239:THR:O	2:3j:246:LYS:HB3	0.90	1.07
2:2g:273:LEU:HD21	2:3i:279:ILE:HG21	1.09	1.07
2:6i:269:LEU:HD21	2:8o:269:LEU:HD21	1.13	1.07
2:6j:111:VAL:HG22	2:7k:57:MET:HE2	1.33	1.07
2:1m:99:VAL:HG22	2:1m:109:THR:O	1.55	1.07
2:1m:247:LYS:HE2	2:2j:280:SER:OG	1.55	1.07
2:1n:200:LEU:HD11	2:3n:200:LEU:CD2	1.83	1.07
2:2l:236:ALA:HA	2:3m:242:LEU:HD22	1.33	1.07
2:5i:99:VAL:HG22	2:5i:109:THR:O	1.55	1.07
2:5i:245:VAL:N	2:7j:242:LEU:HD22	1.68	1.07
2:8q:116:LYS:HE3	2:8q:116:LYS:HA	1.34	1.07
2:1q:38:ILE:HD11	2:1q:114:ARG:NH2	1.68	1.07
2:1q:99:VAL:HG22	2:1q:109:THR:O	1.55	1.07
2:1q:244:GLY:H	2:2o:242:LEU:HD13	0.93	1.07
2:2p:239:THR:HB	2:3r:247:LYS:O	1.51	1.07
2:2r:242:LEU:HD12	2:3x:235:PRO:C	1.53	1.07
2:4l:116:LYS:HA	2:4l:116:LYS:HE3	1.34	1.07
2:4l:247:LYS:HD2	2:3x:238:THR:O	1.55	1.07
2:6q:256:ALA:HB3	2:9K:263:VAL:HG23	1.36	1.07
2:6r:99:VAL:HG22	2:6r:109:THR:O	1.55	1.07
2:6t:38:ILE:HD11	2:6t:114:ARG:NH2	1.67	1.07
2:7r:251:VAL:HG13	2:9L:279:ILE:HD12	1.28	1.07
2:7r:265:ASP:C	2:9L:266:LEU:HD21	1.78	1.07
2:8y:259:VAL:HG21	2:9M:257:THR:O	1.53	1.07
2:9L:116:LYS:HA	2:9L:116:LYS:HE3	1.35	1.07
2:1u:99:VAL:HG22	2:1u:109:THR:O	1.55	1.07
2:2v:214:PRO:HG3	2:3u:225:MET:HG2	1.10	1.07
2:9M:237:ALA:CA	2:9J:245:VAL:O	2.02	1.07
2:9Q:38:ILE:HD11	2:9Q:114:ARG:NH2	1.68	1.07
1:3C:202:GLU:HB2	1:3C:343:SER:HB2	1.31	1.07
1:5F:446:ALA:CA	2:5f:56:ASN:H	1.65	1.07
1:8A:446:ALA:N	2:8e:54:GLN:O	1.85	1.07
1:8B:447:GLN:CG	2:8f:44:VAL:CG2	2.32	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1I:444:GLY:H	2:1k:45:LYS:CE	1.67	1.07
2:2Z:246:LYS:HD3	2:1l:240:THR:HA	1.35	1.07
2:2b:246:LYS:HD3	2:3e:240:THR:HA	1.07	1.07
2:3e:116:LYS:HE3	2:3e:116:LYS:HA	1.35	1.07
2:3h:210:LEU:HD22	2:2w:201:VAL:HG11	1.07	1.07
2:6e:265:ASP:HB2	2:8i:266:LEU:CD2	1.81	1.07
2:7c:269:LEU:HD11	2:8j:273:LEU:HD12	1.37	1.07
2:8e:175:PHE:CD1	2:9F:171:GLN:NE2	2.22	1.07
2:8g:212:GLY:CA	2:9G:203:ASN:HD22	1.67	1.07
2:8g:237:ALA:HB1	2:8k:247:LYS:HB2	1.32	1.07
2:2i:269:LEU:HD22	2:3o:270:ILE:HG13	1.29	1.07
2:6i:269:LEU:CD2	2:8o:269:LEU:HD21	1.76	1.07
2:6k:227:GLY:O	2:7e:223:ARG:CD	2.03	1.07
2:6k:232:TYR:CZ	2:7e:232:TYR:CD2	2.42	1.07
2:8k:237:ALA:CA	2:9G:245:VAL:O	2.02	1.07
2:5i:226:ILE:HD11	2:7j:226:ILE:CD1	1.83	1.07
2:6o:227:GLY:O	2:7j:223:ARG:CD	2.03	1.07
2:8q:229:GLY:HA3	2:9H:231:PRO:N	1.69	1.07
2:8q:259:VAL:HG13	2:9H:259:VAL:HA	1.09	1.07
2:8q:280:SER:CB	2:9H:249:ALA:HA	1.85	1.07
2:8r:99:VAL:HG22	2:8r:109:THR:O	1.55	1.07
2:8s:38:ILE:HD11	2:8s:114:ARG:NH2	1.68	1.07
2:8s:200:LEU:HD11	2:9I:200:LEU:HD22	1.22	1.07
2:2q:214:PRO:HG3	2:3q:225:MET:HG2	1.10	1.07
2:6r:225:MET:SD	2:5n:209:LEU:CD1	2.43	1.07
2:6s:228:ALA:HA	2:7o:223:ARG:HD2	1.37	1.07
2:1u:234:LEU:HD21	2:2t:242:LEU:CB	1.83	1.07
2:1u:244:GLY:H	2:2t:242:LEU:HD13	0.93	1.07
2:2u:226:ILE:C	2:3v:223:ARG:HG3	1.79	1.07
2:2v:222:LEU:HD13	2:3u:226:ILE:HG22	1.33	1.07
2:4m:38:ILE:HD11	2:4m:114:ARG:NH2	1.68	1.07
2:6x:120:ILE:HD13	2:7w:120:ILE:HD13	1.31	1.07
2:9N:99:VAL:HG22	2:9N:109:THR:O	1.55	1.07
1:5L:446:ALA:HA	2:5h:56:ASN:N	1.69	1.06
2:1g:263:VAL:HG21	2:3g:256:ALA:HB1	1.13	1.06
2:1g:263:VAL:HG22	2:3g:262:ALA:HA	1.36	1.06
2:1h:240:THR:HA	2:2t:246:LYS:HD3	1.35	1.06
2:5e:99:VAL:HG22	2:5e:109:THR:O	1.55	1.06
2:6f:225:MET:SD	2:5h:209:LEU:CD1	2.43	1.06
2:8i:38:ILE:HD11	2:8i:114:ARG:NH2	1.68	1.06
2:1i:244:GLY:H	2:2e:242:LEU:HD13	0.93	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2f:242:LEU:HD11	2:3j:236:ALA:HA	1.13	1.06
2:2h:240:THR:HA	2:3p:246:LYS:CG	1.85	1.06
2:6k:226:ILE:HB	2:7e:222:LEU:HB2	1.32	1.06
2:6l:38:ILE:HD11	2:6l:114:ARG:NH2	1.67	1.06
2:8m:212:GLY:CA	2:9H:203:ASN:HD22	1.67	1.06
2:8m:259:VAL:HG21	2:8q:257:THR:O	1.53	1.06
2:8o:99:VAL:HG22	2:8o:109:THR:O	1.55	1.06
2:2k:239:THR:HB	2:3n:247:LYS:O	1.51	1.06
2:2k:242:LEU:HD11	2:3n:236:ALA:HA	1.13	1.06
2:2l:273:LEU:HD21	2:3m:279:ILE:HG21	1.09	1.06
2:2n:245:VAL:HG22	2:3s:245:VAL:HG13	1.35	1.06
2:5j:116:LYS:HA	2:5j:116:LYS:HE3	1.34	1.06
2:8s:237:ALA:HB1	2:8w:247:LYS:HB2	1.32	1.06
2:2q:246:LYS:HD3	2:3q:240:THR:HA	1.07	1.06
2:2r:226:ILE:C	2:3x:223:ARG:HG3	1.34	1.06
2:2s:245:VAL:O	2:3w:237:ALA:HB1	1.51	1.06
2:5k:263:VAL:CG2	2:6s:256:ALA:CB	2.22	1.06
2:6q:248:GLY:O	2:9K:279:ILE:HA	1.53	1.06
2:6r:247:LYS:O	2:7u:239:THR:CG2	2.03	1.06
2:8w:180:VAL:CG1	2:9I:184:LEU:HA	1.85	1.06
2:8w:237:ALA:CA	2:9I:245:VAL:O	2.02	1.06
2:8y:209:LEU:O	2:9J:206:VAL:HG21	1.51	1.06
2:8y:246:LYS:HE2	2:9J:240:THR:O	1.53	1.06
2:6x:99:VAL:HG22	2:6x:109:THR:O	1.55	1.06
2:9M:237:ALA:HB1	2:9J:246:LYS:HA	1.34	1.06
1:2E:382:LYS:NZ	2:2d:101:GLU:OE2	1.89	1.06
1:6A:448:ALA:HB3	2:6h:57:MET:HE1	1.30	1.06
1:6F:448:ALA:N	2:6e:56:ASN:O	1.88	1.06
1:8F:443:SER:CA	2:8g:45:LYS:NZ	2.16	1.06
1:3I:447:GLN:CG	2:3l:44:VAL:HG22	1.84	1.06
1:7S:28:GLN:CD	2:6m:52:LEU:HD11	1.81	1.06
1:9E:28:GLN:NE2	2:8q:27:ILE:HD11	1.69	1.06
2:2b:244:GLY:HA2	2:3e:243:GLY:O	1.51	1.06
2:3h:223:ARG:HA	2:2w:226:ILE:HG13	1.37	1.06
2:6e:116:LYS:HE3	2:6e:116:LYS:HA	1.35	1.06
2:6e:269:LEU:CD2	2:8i:269:LEU:HD21	1.76	1.06
2:6f:111:VAL:HG22	2:7f:57:MET:HE2	1.33	1.06
2:6g:200:LEU:HD13	2:7Z:200:LEU:CD1	1.85	1.06
2:6g:226:ILE:HB	2:7Z:222:LEU:HB2	1.32	1.06
2:6g:232:TYR:CZ	2:7Z:232:TYR:CD2	2.42	1.06
2:8e:174:LEU:CD2	2:9F:170:LEU:HB3	1.83	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8f:266:LEU:HD23	2:9P:254:SER:HB3	1.28	1.06
2:2f:120:ILE:CD1	2:3j:120:ILE:HD11	1.86	1.06
2:2f:242:LEU:HD13	2:3j:235:PRO:C	1.73	1.06
2:3k:116:LYS:HA	2:3k:116:LYS:HE3	1.35	1.06
2:6j:41:TYR:HE2	2:6j:57:MET:HE1	1.05	1.06
2:6l:99:VAL:HG22	2:6l:109:THR:O	1.55	1.06
2:8k:229:GLY:HA3	2:9G:231:PRO:N	1.69	1.06
2:8k:237:ALA:HB2	2:9G:245:VAL:C	1.58	1.06
2:2k:242:LEU:HD13	2:3n:235:PRO:C	1.73	1.06
2:4j:116:LYS:HA	2:4j:116:LYS:HE3	1.34	1.06
2:6m:265:ASP:HB2	2:8u:266:LEU:CD2	1.81	1.06
2:6n:111:VAL:HG22	2:7p:57:MET:HE2	1.33	1.06
2:6o:240:THR:HA	2:7j:246:LYS:HD3	1.34	1.06
2:8q:270:ILE:CG2	2:9H:269:LEU:HD13	1.85	1.06
2:6t:120:ILE:HD13	2:7r:120:ILE:HD13	1.31	1.06
2:8w:259:VAL:HG13	2:9I:259:VAL:HA	1.09	1.06
2:8y:242:LEU:HD23	2:9M:246:LYS:HG2	1.25	1.06
2:1u:210:LEU:CD2	2:2t:206:VAL:HG11	1.86	1.06
2:1w:41:TYR:HE2	2:1w:57:MET:HE1	1.05	1.06
2:2v:273:LEU:HD21	2:3u:279:ILE:HG21	1.09	1.06
2:9M:180:VAL:CG1	2:9J:184:LEU:HA	1.85	1.06
2:9M:200:LEU:HD22	2:9J:196:LEU:HB3	1.36	1.06
2:9M:232:TYR:HB2	2:9J:232:TYR:HB3	1.31	1.06
1:8E:448:ALA:O	2:8h:60:LEU:HG	1.52	1.06
1:5X:446:ALA:HB1	2:5l:56:ASN:HB2	1.35	1.06
1:7R:393:GLY:HA3	2:7p:15:ALA:HB3	1.30	1.06
1:8Z:445:GLY:O	2:9N:54:GLN:O	1.72	1.06
2:1g:148[B]:ILE:CD1	2:3g:148[B]:ILE:HD11	1.86	1.06
2:1h:242:LEU:C	2:2t:234:LEU:HD21	1.81	1.06
2:2a:226:ILE:C	2:3f:223:ARG:HG3	1.79	1.06
2:5e:266:LEU:HD21	2:6g:265:ASP:CB	1.85	1.06
2:8e:251:VAL:HG13	2:9O:279:ILE:HD12	1.36	1.06
2:8g:222:LEU:HB2	2:9G:226:ILE:CG2	1.83	1.06
2:2g:232:TYR:CD2	2:3i:232:TYR:CZ	2.42	1.06
2:3l:99:VAL:HG22	2:3l:109:THR:O	1.55	1.06
2:5h:116:LYS:HA	2:5h:116:LYS:HE3	1.34	1.06
2:8m:197:GLN:HG3	2:9H:200:LEU:O	1.54	1.06
2:8m:222:LEU:CB	2:9H:226:ILE:HG22	1.72	1.06
2:8m:259:VAL:HG12	2:8q:257:THR:HA	1.30	1.06
2:8n:116:LYS:HA	2:8n:116:LYS:HE3	1.35	1.06
2:1o:263:VAL:CG1	2:3o:256:ALA:HB3	1.84	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:214:PRO:HG3	2:3m:225:MET:HG2	1.10	1.06
2:6o:232:TYR:CZ	2:7j:232:TYR:CD2	2.42	1.06
2:8q:270:ILE:N	2:9H:269:LEU:CD2	2.18	1.06
2:8s:99:VAL:HG22	2:8s:109:THR:O	1.55	1.06
2:1q:210:LEU:CD2	2:2o:206:VAL:HG11	1.85	1.06
2:1s:41:TYR:HE2	2:1s:57:MET:HE1	1.05	1.06
2:1s:259:VAL:HG21	2:3s:259:VAL:H	0.94	1.06
2:2o:234:LEU:HD21	2:1x:242:LEU:C	1.80	1.06
2:2r:202:SER:HB3	2:3x:193:LYS:HD3	1.35	1.06
2:5k:263:VAL:HG22	2:6s:256:ALA:HB3	1.35	1.06
2:6r:242:LEU:CD2	2:5n:244:GLY:C	2.24	1.06
2:6s:227:GLY:O	2:7o:223:ARG:CD	2.03	1.06
2:6s:232:TYR:CZ	2:7o:232:TYR:CD2	2.42	1.06
2:7r:148[B]:ILE:HD11	2:9L:148[B]:ILE:CD1	1.85	1.06
2:8w:116:LYS:HA	2:8w:116:LYS:HE3	1.35	1.06
2:8w:280:SER:CB	2:9I:249:ALA:HA	1.85	1.06
2:3u:116:LYS:HA	2:3u:116:LYS:HE3	1.35	1.06
2:6w:239:THR:HG23	2:7t:247:LYS:HB3	1.07	1.06
2:9M:270:ILE:N	2:9J:269:LEU:CD2	2.18	1.06
1:1D:443:SER:HA	2:1h:56:ASN:ND2	1.70	1.06
1:5F:446:ALA:CB	2:5f:56:ASN:CG	2.28	1.06
1:5X:443:SER:C	2:5l:44:VAL:HG22	1.80	1.06
1:9D:446:ALA:HB1	2:9I:41:TYR:CE2	1.86	1.06
1:3a:202:GLU:OE1	1:3a:343:SER:HB2	1.53	1.06
2:1e:99:VAL:HG22	2:1e:109:THR:O	1.55	1.06
2:1g:273:LEU:HD11	2:3g:273:LEU:HD11	1.34	1.06
2:2a:239:THR:O	2:3f:246:LYS:HB3	0.90	1.06
2:2b:247:LYS:HG2	2:3e:280:SER:OG	1.52	1.06
2:2b:273:LEU:HD21	2:3e:279:ILE:HG21	1.09	1.06
2:2c:174:LEU:HD22	2:3l:174:LEU:HD11	1.37	1.06
2:2c:226:ILE:HG13	2:3l:223:ARG:CA	1.80	1.06
2:3f:99:VAL:HG22	2:3f:109:THR:O	1.55	1.06
2:3h:246:LYS:CG	2:2w:240:THR:HA	1.85	1.06
2:5f:116:LYS:HE3	2:5f:116:LYS:HA	1.34	1.06
2:6e:265:ASP:HB2	2:8i:266:LEU:HD22	1.37	1.06
2:6g:227:GLY:O	2:7Z:223:ARG:CD	2.03	1.06
2:6h:120:ILE:HD13	2:7c:120:ILE:HD13	1.31	1.06
2:8e:237:ALA:HB1	2:9F:246:LYS:HA	1.34	1.06
2:8g:259:VAL:HG21	2:8k:257:THR:O	1.53	1.06
2:1k:148[B]:ILE:CD1	2:3k:148[B]:ILE:HD11	1.86	1.06
2:2f:239:THR:N	2:3j:247:LYS:HB3	1.69	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:247:LYS:HD2	2:3p:238:THR:O	1.55	1.06
2:5g:266:LEU:HD21	2:6k:265:ASP:CB	1.85	1.06
2:6i:265:ASP:HB2	2:8o:266:LEU:HD22	1.37	1.06
2:6k:206:VAL:HG11	2:7e:210:LEU:HA	1.33	1.06
2:7h:269:LEU:HD11	2:8p:273:LEU:HD12	1.37	1.06
2:8k:280:SER:CB	2:9G:249:ALA:HA	1.85	1.06
2:1m:210:LEU:CD2	2:2j:206:VAL:HG11	1.85	1.06
2:1o:259:VAL:HG21	2:3o:259:VAL:H	0.94	1.06
2:2l:246:LYS:HD3	2:3m:240:THR:HA	1.07	1.06
2:2m:226:ILE:HG13	2:3t:223:ARG:HA	1.37	1.06
2:4j:247:LYS:HD2	2:3t:238:THR:O	1.55	1.06
2:6o:200:LEU:HD13	2:7j:200:LEU:CD1	1.85	1.06
2:8q:229:GLY:HA2	2:9H:231:PRO:HG3	1.10	1.06
2:8q:237:ALA:CA	2:9H:245:VAL:O	2.02	1.06
2:8u:99:VAL:HG22	2:8u:109:THR:O	1.55	1.06
2:1q:235:PRO:O	2:2o:242:LEU:HD13	1.56	1.06
2:1s:263:VAL:CG1	2:3s:256:ALA:HB3	1.84	1.06
2:2p:120:ILE:CD1	2:3r:120:ILE:HD11	1.86	1.06
2:2p:226:ILE:C	2:3r:223:ARG:HG3	1.79	1.06
2:6q:265:ASP:HB2	2:9K:266:LEU:HD22	1.37	1.06
2:8w:229:GLY:HA3	2:9I:231:PRO:N	1.69	1.06
2:8w:270:ILE:N	2:9I:269:LEU:CD2	2.18	1.06
2:8w:270:ILE:CG2	2:9I:269:LEU:HD13	1.85	1.06
2:8y:279:ILE:HD12	2:9M:251:VAL:HG13	1.36	1.06
2:1w:266:LEU:HD21	2:3w:266:LEU:N	1.60	1.06
2:4m:99:VAL:HG22	2:4m:109:THR:O	1.55	1.06
2:9M:280:SER:CB	2:9J:249:ALA:HA	1.85	1.06
1:3I:202:GLU:OE1	1:3I:343:SER:HB2	1.53	1.06
1:8W:448:ALA:O	2:8z:60:LEU:CD1	2.02	1.06
2:1f:226:ILE:CD1	2:3f:226:ILE:CD1	2.30	1.06
2:1f:229:GLY:O	2:3f:228:ALA:HA	1.56	1.06
2:1f:247:LYS:HB3	2:3f:239:THR:N	1.64	1.06
2:1g:251:VAL:HG13	2:2x:279:ILE:HD12	1.32	1.06
2:2Z:234:LEU:HD21	2:1l:242:LEU:C	1.81	1.06
2:2a:120:ILE:CD1	2:3f:120:ILE:HD11	1.86	1.06
2:2b:242:LEU:HD22	2:4e:244:GLY:O	1.55	1.06
2:2c:201:VAL:HG11	2:3l:210:LEU:HD22	1.07	1.06
2:5f:244:GLY:HA3	2:6v:242:LEU:HB3	1.32	1.06
2:8f:99:VAL:HG22	2:8f:109:THR:O	1.55	1.06
2:1i:222:LEU:CB	2:2e:226:ILE:CG2	2.20	1.06
2:1k:99:VAL:HG22	2:1k:109:THR:O	1.55	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:259:VAL:CG2	2:3k:259:VAL:H	1.45	1.06
2:2g:247:LYS:HG2	2:3i:280:SER:OG	1.52	1.06
2:2i:245:VAL:HG22	2:3o:245:VAL:HG13	1.35	1.06
2:4g:99:VAL:HG22	2:4g:109:THR:O	1.55	1.06
2:6k:116:LYS:HA	2:6k:116:LYS:HE3	1.35	1.06
2:8k:229:GLY:HA2	2:9G:231:PRO:CG	1.81	1.06
2:8k:270:ILE:CG2	2:9G:269:LEU:HD13	1.85	1.06
2:1o:263:VAL:HG22	2:3o:262:ALA:HA	1.36	1.06
2:2j:246:LYS:HD3	2:1t:240:THR:HA	1.35	1.06
2:2m:240:THR:HA	2:3t:246:LYS:CG	1.85	1.06
2:5i:279:ILE:CD1	2:6o:251:VAL:HG11	1.86	1.06
2:6o:228:ALA:HA	2:7j:223:ARG:HD2	1.37	1.06
2:8q:279:ILE:CA	2:9H:248:GLY:N	2.18	1.06
2:8s:259:VAL:HG11	2:8w:257:THR:O	1.56	1.06
2:1r:229:GLY:O	2:3r:228:ALA:HA	1.56	1.06
2:1t:116:LYS:HA	2:1t:116:LYS:HE3	1.35	1.06
2:6s:200:LEU:HD13	2:7o:200:LEU:CD1	1.85	1.06
2:8y:200:LEU:HD11	2:9J:200:LEU:HD22	1.22	1.06
2:1u:226:ILE:HD11	2:2t:226:ILE:HD11	1.33	1.06
2:1u:247:LYS:N	2:2t:239:THR:C	2.00	1.06
2:1v:116:LYS:HE3	2:1v:116:LYS:HA	1.34	1.06
2:2u:120:ILE:CD1	2:3v:120:ILE:HD11	1.85	1.06
2:2u:239:THR:O	2:3v:246:LYS:HB3	0.90	1.06
2:5n:116:LYS:HE3	2:5n:116:LYS:HA	1.35	1.06
2:6u:265:ASP:HB2	2:9Q:266:LEU:HD22	1.37	1.06
2:6u:265:ASP:HB2	2:9Q:266:LEU:CD2	1.81	1.06
2:6v:99:VAL:HG22	2:6v:109:THR:O	1.55	1.06
2:7w:148[B]:ILE:HD11	2:9R:148[B]:ILE:CD1	1.85	1.06
1:5R:448:ALA:HA	2:5j:41:TYR:CD1	1.90	1.05
1:7L:382:LYS:NZ	2:7l:101:GLU:OE2	1.88	1.05
1:5d:444:GLY:CA	2:5n:44:VAL:HG22	1.86	1.05
1:9E:446:ALA:O	2:9J:55:VAL:HA	1.55	1.05
2:1e:210:LEU:CD2	2:2Z:206:VAL:HG11	1.86	1.05
2:1g:99:VAL:HG22	2:1g:109:THR:O	1.55	1.05
2:1g:281:LEU:C	2:3g:250:ALA:HB2	1.81	1.05
2:3g:232:TYR:CD2	2:2x:232:TYR:CD2	2.45	1.05
2:6g:116:LYS:HE3	2:6g:116:LYS:HA	1.35	1.05
2:7a:239:THR:CG2	2:6v:247:LYS:O	2.04	1.05
2:8e:174:LEU:HD22	2:9F:170:LEU:HB3	1.36	1.05
2:8e:257:THR:O	2:9O:259:VAL:HG21	1.53	1.05
2:8i:99:VAL:HG22	2:8i:109:THR:O	1.55	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:201:VAL:HA	2:9O:197:GLN:HE21	1.20	1.05
2:1k:281:LEU:C	2:3k:250:ALA:HB2	1.81	1.05
2:2h:199:LEU:CB	2:3p:183:PHE:CD1	2.25	1.05
2:6i:258:ASP:CA	2:8o:259:VAL:CG2	2.17	1.05
2:8k:259:VAL:HG13	2:9G:259:VAL:HA	1.09	1.05
2:8k:270:ILE:N	2:9G:269:LEU:CD2	2.18	1.05
2:2j:236:ALA:N	2:1t:242:LEU:HD13	1.64	1.05
2:2m:226:ILE:HD11	2:3t:226:ILE:HG12	1.08	1.05
2:2n:278:ILE:HD13	2:3s:278:ILE:HG22	1.38	1.05
2:6n:247:LYS:O	2:7p:239:THR:CG2	2.04	1.05
2:7m:148[B]:ILE:HD11	2:8v:148[B]:ILE:CD1	1.85	1.05
2:8s:244:GLY:CA	2:9I:242:LEU:HB3	1.87	1.05
2:2p:239:THR:CB	2:3r:247:LYS:HB3	1.79	1.05
2:6q:116:LYS:HE3	2:6q:116:LYS:HA	1.35	1.05
2:8w:200:LEU:HD22	2:9I:196:LEU:HB3	1.36	1.05
2:8y:222:LEU:HB2	2:9J:226:ILE:CG2	1.84	1.05
2:9K:99:VAL:HG22	2:9K:109:THR:O	1.55	1.05
2:1u:120:ILE:HD11	2:2t:120:ILE:HD13	1.12	1.05
2:1w:263:VAL:HG22	2:3w:262:ALA:HA	1.36	1.05
2:2v:232:TYR:CD2	2:3u:232:TYR:CZ	2.42	1.05
2:9M:229:GLY:HA2	2:9J:231:PRO:HG3	1.10	1.05
1:1B:448:ALA:CB	2:1f:41:TYR:CE1	2.26	1.05
2:1e:97:TYR:CZ	2:1e:111:VAL:HB	1.92	1.05
2:2Z:236:ALA:N	2:1l:242:LEU:HD13	1.64	1.05
2:2a:239:THR:HB	2:3f:247:LYS:O	1.51	1.05
2:8j:116:LYS:HA	2:8j:116:LYS:HE3	1.35	1.05
2:9F:203:ASN:HD22	2:9O:212:GLY:CA	1.67	1.05
2:1i:99:VAL:HG22	2:1i:109:THR:O	1.55	1.05
2:6j:247:LYS:O	2:7k:239:THR:CG2	2.03	1.05
2:8k:206:VAL:HG11	2:9G:210:LEU:O	1.57	1.05
2:8m:279:ILE:HD12	2:8q:251:VAL:HG13	1.37	1.05
2:1m:200:LEU:HD11	2:2j:200:LEU:HD21	1.38	1.05
2:1o:273:LEU:HD11	2:3o:273:LEU:HD11	1.34	1.05
2:2k:226:ILE:CG2	2:3n:222:LEU:HB2	1.85	1.05
2:2l:242:LEU:HD22	2:4i:244:GLY:C	1.81	1.05
2:2l:244:GLY:HA3	2:3m:243:GLY:N	1.71	1.05
2:5i:279:ILE:HD12	2:6o:251:VAL:HG12	1.27	1.05
2:6m:256:ALA:HB3	2:8u:263:VAL:HG23	1.36	1.05
2:8s:212:GLY:CA	2:9I:203:ASN:HD22	1.67	1.05
2:8s:263:VAL:HG21	2:8w:256:ALA:C	1.79	1.05
2:2r:226:ILE:HD11	2:3x:226:ILE:HG12	1.09	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:232:TYR:CD2	2:3w:232:TYR:CD2	2.44	1.05
2:8y:99:VAL:HG22	2:8y:109:THR:O	1.55	1.05
2:9K:254:SER:HB3	2:7v:266:LEU:CD2	1.86	1.05
2:2v:246:LYS:HD3	2:3u:240:THR:HA	1.07	1.05
2:5m:266:LEU:HD21	2:6w:265:ASP:CB	1.85	1.05
2:7w:251:VAL:HG13	2:9R:279:ILE:HD12	1.28	1.05
2:9M:174:LEU:HD22	2:9J:170:LEU:HB3	1.36	1.05
2:9M:244:GLY:CA	2:9J:244:GLY:HA2	1.86	1.05
1:6E:445:GLY:CA	2:6f:44:VAL:HB	1.86	1.05
1:8A:444:GLY:C	2:8e:56:ASN:OD1	1.99	1.05
1:7V:446:ALA:HB3	2:7v:55:VAL:HG22	1.38	1.05
2:1g:97:TYR:CZ	2:1g:111:VAL:HB	1.92	1.05
2:2a:200:LEU:O	2:3f:197:GLN:HG3	1.56	1.05
2:2a:226:ILE:CG2	2:3f:222:LEU:HB2	1.85	1.05
2:2c:240:THR:HA	2:3l:246:LYS:CG	1.85	1.05
2:3h:193:LYS:HD3	2:2w:202:SER:HB3	1.35	1.05
2:6e:246:LYS:CG	2:8i:242:LEU:HD23	1.87	1.05
2:7c:148[B]:ILE:HD11	2:8j:148[B]:ILE:CD1	1.85	1.05
2:8e:247:LYS:HB2	2:9O:237:ALA:HB1	1.32	1.05
2:8e:256:ALA:C	2:9O:263:VAL:HG21	1.78	1.05
2:8f:97:TYR:CZ	2:8f:111:VAL:HB	1.92	1.05
2:8i:97:TYR:CZ	2:8i:111:VAL:HB	1.92	1.05
2:2f:227:GLY:CA	2:3j:223:ARG:NH1	2.09	1.05
2:2g:246:LYS:HD3	2:3i:240:THR:HA	1.07	1.05
2:4h:116:LYS:HA	2:4h:116:LYS:HE3	1.34	1.05
2:5g:279:ILE:CD1	2:6k:251:VAL:HG11	1.86	1.05
2:6k:239:THR:HG23	2:7e:247:LYS:HB3	1.07	1.05
2:8k:180:VAL:CG1	2:9G:184:LEU:HA	1.85	1.05
2:8k:279:ILE:CA	2:9G:248:GLY:N	2.18	1.05
2:8l:97:TYR:CZ	2:8l:111:VAL:HB	1.92	1.05
2:8m:99:VAL:HG22	2:8m:109:THR:O	1.55	1.05
2:1m:222:LEU:CB	2:2j:226:ILE:CG2	2.20	1.05
2:1m:235:PRO:O	2:2j:242:LEU:HD13	1.56	1.05
2:1o:281:LEU:C	2:3o:250:ALA:HB2	1.81	1.05
2:2l:223:ARG:NH1	2:3m:227:GLY:HA3	1.72	1.05
2:2l:242:LEU:HD22	2:4i:244:GLY:O	1.55	1.05
2:5i:263:VAL:CG2	2:6o:256:ALA:CB	2.22	1.05
2:5i:266:LEU:HD21	2:6o:265:ASP:CB	1.85	1.05
2:8q:180:VAL:CG1	2:9H:184:LEU:HA	1.85	1.05
2:1q:120:ILE:HD11	2:2o:120:ILE:HD13	1.12	1.05
2:2p:239:THR:O	2:3r:246:LYS:HB3	0.90	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:278:ILE:HD13	2:3w:278:ILE:HG22	1.38	1.05
2:3t:99:VAL:HG22	2:3t:109:THR:O	1.55	1.05
2:5k:266:LEU:HD21	2:6s:265:ASP:CB	1.85	1.05
2:6s:239:THR:O	2:7o:246:LYS:HD3	1.54	1.05
2:6s:239:THR:HG23	2:7o:247:LYS:HB3	1.07	1.05
2:8x:99:VAL:HG22	2:8x:109:THR:O	1.55	1.05
2:8z:116:LYS:HE3	2:8z:116:LYS:HA	1.35	1.05
2:1u:235:PRO:O	2:2t:242:LEU:HD13	1.56	1.05
2:1w:148[B]:ILE:CD1	2:3w:148[B]:ILE:HD11	1.86	1.05
2:1w:273:LEU:HD11	2:3w:273:LEU:HD11	1.34	1.05
2:1w:281:LEU:C	2:3w:250:ALA:HB2	1.81	1.05
2:6w:240:THR:HA	2:7t:246:LYS:HD3	1.34	1.05
2:9O:99:VAL:HG22	2:9O:109:THR:O	1.55	1.05
2:9Q:97:TYR:CZ	2:9Q:111:VAL:HB	1.92	1.05
1:5F:446:ALA:HB1	2:5f:56:ASN:HB2	1.11	1.05
2:1g:269:LEU:HD23	2:3g:269:LEU:HD23	1.37	1.05
2:2Z:247:LYS:H	2:1l:238:THR:C	1.65	1.05
2:2a:239:THR:N	2:3f:247:LYS:HB3	1.69	1.05
2:2a:240:THR:HA	2:3f:246:LYS:HD3	1.37	1.05
2:2b:214:PRO:HG3	2:3e:225:MET:HG2	1.10	1.05
2:2c:227:GLY:HA2	2:3l:223:ARG:NH1	1.66	1.05
2:2d:232:TYR:CD2	2:3k:232:TYR:CD2	2.45	1.05
2:3g:278:ILE:HG22	2:2x:278:ILE:HD13	1.38	1.05
2:3h:174:LEU:HD11	2:2w:174:LEU:HD22	1.37	1.05
2:4e:99:VAL:HG22	2:4e:109:THR:O	1.55	1.05
2:4f:247:LYS:HD2	2:3l:238:THR:O	1.55	1.05
2:5f:209:LEU:CD1	2:6v:225:MET:SD	2.44	1.05
2:6f:247:LYS:O	2:7f:239:THR:CG2	2.04	1.05
2:6g:239:THR:O	2:7Z:246:LYS:HD3	1.54	1.05
2:8e:116:LYS:HE3	2:8e:116:LYS:HA	1.34	1.05
2:8e:180:VAL:CG1	2:9F:184:LEU:HA	1.85	1.05
2:8e:225:MET:HE2	2:9F:212:GLY:O	1.57	1.05
2:8e:259:VAL:HG13	2:9F:259:VAL:HA	1.09	1.05
2:8e:270:ILE:CG2	2:9F:269:LEU:HD13	1.85	1.05
2:8g:99:VAL:HG22	2:8g:109:THR:O	1.55	1.05
2:1k:273:LEU:HD11	2:3k:273:LEU:HD11	1.34	1.05
2:2e:247:LYS:H	2:1p:238:THR:C	1.65	1.05
2:2f:226:ILE:C	2:3j:223:ARG:HG3	1.79	1.05
2:2g:214:PRO:HG3	2:3i:225:MET:HG2	1.10	1.05
2:2h:227:GLY:HA2	2:3p:223:ARG:NH1	1.65	1.05
2:6i:246:LYS:CG	2:8o:242:LEU:HD23	1.87	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6k:200:LEU:HD13	2:7e:200:LEU:CD1	1.85	1.05
2:8k:244:GLY:CA	2:9G:244:GLY:HA2	1.86	1.05
2:1o:99:VAL:HG22	2:1o:109:THR:O	1.55	1.05
2:2m:242:LEU:O	2:3t:234:LEU:HD21	1.57	1.05
2:3o:116:LYS:HE3	2:3o:116:LYS:HA	1.35	1.05
2:3p:97:TYR:CZ	2:3p:111:VAL:HB	1.92	1.05
2:5i:97:TYR:CZ	2:5i:111:VAL:HB	1.92	1.05
2:6p:99:VAL:HG22	2:6p:109:THR:O	1.55	1.05
2:8q:206:VAL:HG11	2:9H:210:LEU:O	1.56	1.05
2:8u:254:SER:HB3	2:7q:266:LEU:CD2	1.86	1.05
2:1q:97:TYR:CZ	2:1q:111:VAL:HB	1.92	1.05
2:1s:148[B]:ILE:CD1	2:3s:148[B]:ILE:HD11	1.86	1.05
2:2q:57:MET:HE2	2:4k:111:VAL:CG2	1.87	1.05
2:2r:174:LEU:HD22	2:3x:174:LEU:HD11	1.36	1.05
2:2r:242:LEU:HB2	2:3x:234:LEU:HG	1.35	1.05
2:2s:232:TYR:CE2	2:3w:232:TYR:CE2	2.44	1.05
2:3t:97:TYR:CZ	2:3t:111:VAL:HB	1.92	1.05
2:8w:244:GLY:CA	2:9I:244:GLY:HA2	1.86	1.05
2:8y:197:GLN:HE21	2:9J:201:VAL:HA	1.20	1.05
2:8y:212:GLY:HA2	2:9J:203:ASN:ND2	1.72	1.05
2:8y:236:ALA:N	2:9J:242:LEU:CD1	2.01	1.05
2:2u:240:THR:HA	2:3v:246:LYS:HD3	1.37	1.05
2:2v:232:TYR:CE2	2:3u:232:TYR:CZ	2.45	1.05
2:5m:99:VAL:HG22	2:5m:109:THR:O	1.55	1.05
2:6u:248:GLY:O	2:9Q:279:ILE:HA	1.53	1.05
2:6x:97:TYR:CZ	2:6x:111:VAL:HB	1.92	1.05
2:9M:206:VAL:HG11	2:9J:210:LEU:O	1.56	1.05
2:9M:229:GLY:HA3	2:9J:231:PRO:N	1.69	1.05
2:9M:259:VAL:HG13	2:9J:259:VAL:HA	1.08	1.05
2:9Q:99:VAL:HG22	2:9Q:109:THR:O	1.55	1.05
1:3C:448:ALA:HB3	2:3h:41:TYR:CD2	1.90	1.05
2:1e:235:PRO:O	2:2Z:242:LEU:HD13	1.56	1.05
2:1g:280:SER:N	2:3g:249:ALA:C	2.15	1.05
2:2Z:236:ALA:HA	2:1l:242:LEU:HD22	1.39	1.05
2:2a:200:LEU:CD1	2:3f:200:LEU:HD13	1.87	1.05
2:3f:97:TYR:CZ	2:3f:111:VAL:HB	1.92	1.05
2:6e:256:ALA:HB3	2:8i:263:VAL:HG23	1.36	1.05
2:7b:266:LEU:CD2	2:9Q:254:SER:HB3	1.86	1.05
2:1j:116:LYS:HA	2:1j:116:LYS:HE3	1.35	1.05
2:1k:245:VAL:HG13	2:3k:245:VAL:HG23	1.06	1.05
2:1k:266:LEU:HD22	2:3k:266:LEU:H	1.07	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:280:SER:HB2	2:3k:250:ALA:N	1.72	1.05
2:2f:242:LEU:O	2:3j:234:LEU:HD21	1.57	1.05
2:2h:226:ILE:HG13	2:3p:223:ARG:HA	1.37	1.05
2:2i:279:ILE:HD12	2:1o:251:VAL:HG13	1.32	1.05
2:3l:97:TYR:CZ	2:3l:111:VAL:HB	1.92	1.05
2:5g:97:TYR:CZ	2:5g:111:VAL:HB	1.92	1.05
2:5g:279:ILE:HD12	2:6k:251:VAL:HG12	1.27	1.05
2:8m:212:GLY:HA2	2:9H:203:ASN:ND2	1.72	1.05
2:1m:97:TYR:CZ	2:1m:111:VAL:HB	1.92	1.05
2:1o:148[B]:ILE:CD1	2:3o:148[B]:ILE:HD11	1.86	1.05
2:1o:263:VAL:CG1	2:3o:254:SER:OG	2.04	1.05
2:1o:280:SER:N	2:3o:249:ALA:C	2.15	1.05
2:2l:57:MET:HE2	2:4i:111:VAL:CG2	1.87	1.05
2:3n:97:TYR:CZ	2:3n:111:VAL:HB	1.92	1.05
2:6m:116:LYS:HA	2:6m:116:LYS:HE3	1.35	1.05
2:6n:225:MET:SD	2:5l:209:LEU:CD1	2.43	1.05
2:6o:116:LYS:HE3	2:6o:116:LYS:HA	1.35	1.05
2:8q:225:MET:HE2	2:9H:212:GLY:O	1.57	1.05
2:1q:200:LEU:HD13	2:2o:200:LEU:HD13	1.39	1.05
2:1s:263:VAL:CG1	2:3s:254:SER:OG	2.04	1.05
2:1s:266:LEU:HD23	2:3s:265:ASP:HB2	1.05	1.05
2:2r:201:VAL:HG11	2:3x:210:LEU:HD22	1.07	1.05
2:6r:97:TYR:CZ	2:6r:111:VAL:HB	1.92	1.05
2:6s:226:ILE:HB	2:7o:222:LEU:HB2	1.32	1.05
2:6t:97:TYR:CZ	2:6t:111:VAL:HB	1.92	1.05
2:8w:226:ILE:CA	2:9I:219:LYS:CG	2.28	1.05
2:1w:266:LEU:HD23	2:3w:265:ASP:HB2	1.05	1.05
2:1w:280:SER:N	2:3w:249:ALA:C	2.15	1.05
2:2u:206:VAL:HG21	2:3v:209:LEU:O	1.56	1.05
2:2u:239:THR:CG2	2:3v:247:LYS:CA	2.35	1.05
2:3v:97:TYR:CZ	2:3v:111:VAL:HB	1.92	1.05
2:3x:97:TYR:CZ	2:3x:111:VAL:HB	1.92	1.05
2:6u:246:LYS:CG	2:9Q:242:LEU:HD23	1.87	1.05
2:7w:266:LEU:HA	2:9R:266:LEU:HD13	1.39	1.05
2:9M:209:LEU:HD21	2:9J:209:LEU:HD21	1.06	1.05
2:9M:225:MET:HE2	2:9J:212:GLY:O	1.57	1.05
2:9M:270:ILE:CG2	2:9J:269:LEU:HD13	1.85	1.05
1:6B:448:ALA:HB3	2:6g:41:TYR:CE1	1.91	1.04
1:3O:447:GLN:HG2	2:3p:44:VAL:HG22	1.37	1.04
1:2R:393:GLY:O	2:2p:15:ALA:HB3	1.55	1.04
1:6Y:447:GLN:NE2	2:6x:58:TYR:HB2	1.70	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:263:VAL:CG1	2:3g:254:SER:OG	2.05	1.04
2:1g:266:LEU:HD21	2:3g:266:LEU:N	1.60	1.04
2:2a:239:THR:CG2	2:3f:247:LYS:CA	2.35	1.04
2:6h:97:TYR:CZ	2:6h:111:VAL:HB	1.92	1.04
2:6h:99:VAL:HG22	2:6h:109:THR:O	1.55	1.04
2:1i:235:PRO:O	2:2e:242:LEU:HD13	1.56	1.04
2:2e:234:LEU:HD21	2:1p:242:LEU:C	1.80	1.04
2:2f:200:LEU:O	2:3j:197:GLN:HG3	1.56	1.04
2:2f:226:ILE:HG22	2:3j:222:LEU:HB2	1.36	1.04
2:2g:223:ARG:NH1	2:3i:227:GLY:HA3	1.72	1.04
2:2i:232:TYR:CD2	2:3o:232:TYR:CD2	2.44	1.04
2:6j:225:MET:SD	2:5j:209:LEU:CD1	2.43	1.04
2:8m:222:LEU:HB2	2:9H:226:ILE:CG2	1.83	1.04
2:1n:229:GLY:N	2:2k:229:GLY:O	1.90	1.04
2:1o:266:LEU:HD22	2:3o:266:LEU:H	1.07	1.04
2:2j:236:ALA:HA	2:1t:242:LEU:HD22	1.38	1.04
2:3m:116:LYS:HE3	2:3m:116:LYS:HA	1.35	1.04
2:4i:99:VAL:HG22	2:4i:109:THR:O	1.55	1.04
2:8s:279:ILE:HD12	2:8w:251:VAL:HG13	1.37	1.04
2:1s:281:LEU:C	2:3s:250:ALA:HB2	1.82	1.04
2:6r:242:LEU:HB3	2:5n:244:GLY:HA3	1.32	1.04
2:7r:245:VAL:CG2	2:9L:245:VAL:HG13	1.87	1.04
2:8w:225:MET:HE2	2:9I:212:GLY:O	1.57	1.04
2:8x:97:TYR:CZ	2:8x:111:VAL:HB	1.92	1.04
2:1w:97:TYR:CZ	2:1w:111:VAL:HB	1.92	1.04
2:1w:267:ASN:OD1	2:3w:254:SER:CB	1.99	1.04
2:2u:239:THR:N	2:3v:247:LYS:HB3	1.69	1.04
2:2v:223:ARG:NH1	2:3u:227:GLY:HA3	1.72	1.04
2:6w:200:LEU:HD13	2:7t:200:LEU:CD1	1.85	1.04
2:6w:227:GLY:O	2:7t:223:ARG:CD	2.03	1.04
2:9O:97:TYR:CZ	2:9O:111:VAL:HB	1.92	1.04
1:5R:448:ALA:HA	2:5j:41:TYR:HD1	1.14	1.04
2:2a:206:VAL:HG21	2:3f:209:LEU:O	1.56	1.04
2:2c:226:ILE:HG13	2:3l:223:ARG:HA	1.37	1.04
2:2c:242:LEU:O	2:3l:234:LEU:HD21	1.57	1.04
2:2d:232:TYR:CE2	2:3k:232:TYR:CE2	2.44	1.04
2:5f:244:GLY:C	2:6v:242:LEU:CD2	2.24	1.04
2:6g:225:MET:O	2:7Z:219:LYS:HG2	1.56	1.04
2:8e:201:VAL:CG2	2:9F:197:GLN:HE21	1.71	1.04
2:8e:280:SER:CB	2:9F:249:ALA:HA	1.85	1.04
2:8g:97:TYR:CZ	2:8g:111:VAL:HB	1.92	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:197:GLN:HE21	2:9G:201:VAL:HA	1.20	1.04
2:1i:210:LEU:CD2	2:2e:206:VAL:HG11	1.86	1.04
2:1k:269:LEU:HD23	2:3k:269:LEU:HD23	1.37	1.04
2:2g:242:LEU:HD22	2:4g:244:GLY:C	1.81	1.04
2:2i:232:TYR:CE2	2:3o:232:TYR:CE2	2.44	1.04
2:7h:148[B]:ILE:HD11	2:8p:148[B]:ILE:CD1	1.84	1.04
2:8k:232:TYR:HB2	2:9G:232:TYR:HB3	1.31	1.04
2:8m:200:LEU:CD1	2:9H:200:LEU:CD1	2.36	1.04
2:8m:259:VAL:HG11	2:8q:257:THR:O	1.56	1.04
2:1o:266:LEU:HD21	2:3o:266:LEU:N	1.60	1.04
2:2k:240:THR:O	2:3n:246:LYS:HE2	1.57	1.04
2:2n:232:TYR:CD2	2:3s:232:TYR:CD2	2.45	1.04
2:7m:266:LEU:HA	2:8v:266:LEU:HD13	1.39	1.04
2:1s:97:TYR:CZ	2:1s:111:VAL:HB	1.92	1.04
2:1s:266:LEU:HD22	2:3s:266:LEU:N	1.57	1.04
2:1s:277:GLY:HA2	2:3s:247:LYS:HE3	1.39	1.04
2:1s:280:SER:N	2:3s:249:ALA:C	2.15	1.04
2:2r:225:MET:SD	2:3x:209:LEU:CA	2.46	1.04
2:2r:240:THR:HA	2:3x:246:LYS:CG	1.85	1.04
2:8w:229:GLY:HA2	2:9I:231:PRO:CG	1.81	1.04
2:8y:212:GLY:CA	2:9J:203:ASN:HD22	1.67	1.04
2:8y:259:VAL:HG11	2:9M:257:THR:O	1.56	1.04
2:1u:97:TYR:CZ	2:1u:111:VAL:HB	1.92	1.04
2:1v:229:GLY:O	2:3v:228:ALA:HA	1.56	1.04
1:7D:446:ALA:HB3	2:7Z:41:TYR:CE2	1.86	1.04
1:4L:446:ALA:HB1	2:4h:56:ASN:HB2	1.36	1.04
1:5X:444:GLY:HA2	2:5l:44:VAL:H	0.93	1.04
1:5c:204:THR:OG1	1:5c:212:GLU:OE1	1.75	1.04
1:6Y:448:ALA:O	2:6x:59:PRO:HA	1.58	1.04
1:9E:28:GLN:HE22	2:8q:27:ILE:HD11	0.91	1.04
2:1g:148[B]:ILE:HD12	2:3g:148[B]:ILE:HD11	1.40	1.04
2:1g:266:LEU:HD22	2:3g:266:LEU:H	1.07	1.04
2:8e:279:ILE:CA	2:9F:248:GLY:CA	2.10	1.04
2:8g:266:LEU:HD23	2:8k:254:SER:OG	1.57	1.04
2:1i:200:LEU:HD13	2:2e:200:LEU:HD13	1.39	1.04
2:1k:266:LEU:HD23	2:3k:265:ASP:HB2	1.05	1.04
2:2f:206:VAL:HG21	2:3j:209:LEU:O	1.57	1.04
2:2f:240:THR:O	2:3j:246:LYS:HE2	1.57	1.04
2:8k:201:VAL:CG2	2:9G:197:GLN:HE21	1.71	1.04
2:8k:225:MET:HE2	2:9G:212:GLY:O	1.57	1.04
2:1n:228:ALA:HB1	2:3n:228:ALA:HB1	1.05	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:229:GLY:O	2:3n:228:ALA:HA	1.56	1.04
2:1o:269:LEU:CG	2:3o:269:LEU:CD2	2.27	1.04
2:1p:116:LYS:HA	2:1p:116:LYS:HE3	1.35	1.04
2:2k:120:ILE:CD1	2:3n:120:ILE:HD11	1.85	1.04
2:2m:225:MET:SD	2:3t:209:LEU:CA	2.46	1.04
2:4j:223:ARG:HG2	2:3t:226:ILE:O	1.58	1.04
2:6o:239:THR:O	2:7j:246:LYS:HD3	1.54	1.04
2:6o:239:THR:C	2:7j:246:LYS:HB3	1.83	1.04
2:8q:229:GLY:HA2	2:9H:231:PRO:CG	1.81	1.04
2:8s:212:GLY:HA2	2:9I:203:ASN:ND2	1.72	1.04
2:1s:263:VAL:HG22	2:3s:262:ALA:HA	1.36	1.04
2:2p:239:THR:CG2	2:3r:247:LYS:CA	2.35	1.04
2:2q:232:TYR:CE2	2:3q:232:TYR:CZ	2.45	1.04
2:5k:99:VAL:HG22	2:5k:109:THR:O	1.55	1.04
2:8w:200:LEU:CD2	2:9I:196:LEU:CD1	2.35	1.04
2:8w:279:ILE:CB	2:9I:248:GLY:HA3	1.88	1.04
2:9K:97:TYR:CZ	2:9K:111:VAL:HB	1.92	1.04
2:1w:99:VAL:HG22	2:1w:109:THR:O	1.55	1.04
2:1w:259:VAL:HG22	2:3w:259:VAL:N	1.50	1.04
2:2u:200:LEU:O	2:3v:197:GLN:HG3	1.56	1.04
2:2v:242:LEU:HD22	2:4m:244:GLY:C	1.81	1.04
2:2v:242:LEU:HD22	2:4m:244:GLY:O	1.55	1.04
2:3w:116:LYS:HE3	2:3w:116:LYS:HA	1.35	1.04
2:5m:269:LEU:HD23	2:6w:269:LEU:HD23	1.40	1.04
2:6w:225:MET:O	2:7t:219:LYS:HG2	1.56	1.04
2:9M:279:ILE:CA	2:9J:248:GLY:N	2.18	1.04
2:9M:279:ILE:CA	2:9J:248:GLY:CA	2.10	1.04
1:8E:448:ALA:O	2:8h:60:LEU:HB2	1.51	1.04
1:5L:447:GLN:HG2	2:5h:44:VAL:HG12	1.38	1.04
1:1O:443:SER:OG	2:1o:45:LYS:CE	2.06	1.04
1:5R:447:GLN:HG2	2:5j:44:VAL:CG1	1.88	1.04
1:1U:444:GLY:H	2:1s:45:LYS:HE3	1.22	1.04
1:3V:443:SER:CB	2:3s:56:ASN:HD21	1.65	1.04
1:6S:448:ALA:O	2:6t:59:PRO:HA	1.56	1.04
1:8V:444:GLY:H	2:9K:45:LYS:CD	1.69	1.04
2:1f:229:GLY:N	2:2a:229:GLY:O	1.90	1.04
2:2b:222:LEU:HD13	2:3e:226:ILE:CG2	1.88	1.04
2:2b:232:TYR:CE2	2:3e:232:TYR:CZ	2.45	1.04
2:4e:97:TYR:CZ	2:4e:111:VAL:HB	1.92	1.04
2:4f:223:ARG:HG2	2:3l:226:ILE:O	1.58	1.04
2:8e:279:ILE:CA	2:9F:248:GLY:N	2.18	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:200:LEU:CD1	2:9G:200:LEU:CD1	2.36	1.04
2:8g:244:GLY:CA	2:9G:242:LEU:HB3	1.87	1.04
2:9F:242:LEU:HB3	2:9O:244:GLY:CA	1.87	1.04
2:1i:97:TYR:CZ	2:1i:111:VAL:HB	1.92	1.04
2:1i:200:LEU:HD11	2:2e:200:LEU:HD21	1.38	1.04
2:1i:247:LYS:HE2	2:2e:280:SER:OG	1.55	1.04
2:2g:222:LEU:HD13	2:3i:226:ILE:CG2	1.88	1.04
2:2g:244:GLY:HA3	2:3i:243:GLY:N	1.71	1.04
2:5g:99:VAL:HG22	2:5g:109:THR:O	1.55	1.04
2:6i:256:ALA:CB	2:8o:263:VAL:HG22	1.75	1.04
2:1o:266:LEU:HD23	2:3o:265:ASP:HB2	1.05	1.04
2:1o:280:SER:HB2	2:3o:250:ALA:N	1.72	1.04
2:4j:245:VAL:H	2:3t:242:LEU:CD2	1.71	1.04
2:6m:246:LYS:CG	2:8u:242:LEU:HD23	1.87	1.04
2:8q:201:VAL:CG2	2:9H:197:GLN:HE21	1.71	1.04
2:1r:229:GLY:N	2:2p:229:GLY:O	1.90	1.04
2:2o:236:ALA:HA	2:1x:242:LEU:HD22	1.39	1.04
2:2q:223:ARG:NH1	2:3q:227:GLY:HA3	1.72	1.04
2:3r:97:TYR:CZ	2:3r:111:VAL:HB	1.92	1.04
2:4k:99:VAL:HG22	2:4k:109:THR:O	1.55	1.04
2:5k:269:LEU:HG	2:6s:269:LEU:HD21	1.40	1.04
2:6t:99:VAL:HG22	2:6t:109:THR:O	1.55	1.04
2:1w:148[B]:ILE:HD12	2:3w:148[B]:ILE:HD11	1.39	1.04
2:2v:222:LEU:HD13	2:3u:226:ILE:CG2	1.88	1.04
2:4m:97:TYR:CZ	2:4m:111:VAL:HB	1.92	1.04
2:9M:240:THR:C	2:9J:246:LYS:HZ1	1.56	1.04
2:9M:270:ILE:HD11	2:9J:269:LEU:CB	1.82	1.04
2:9M:279:ILE:CB	2:9J:248:GLY:HA3	1.88	1.04
1:5E:445:GLY:O	2:5e:44:VAL:HB	1.58	1.04
1:1I:444:GLY:N	2:1k:45:LYS:CE	2.21	1.04
1:6S:447:GLN:HG2	2:6t:60:LEU:HD11	1.37	1.04
1:7Y:447:GLN:CA	2:7w:41:TYR:CE1	2.32	1.04
1:8Z:448:ALA:HB2	2:9N:41:TYR:HD2	1.23	1.04
1:8b:447:GLN:CG	2:9Q:44:VAL:CG2	2.35	1.04
2:1e:200:LEU:HD13	2:2Z:200:LEU:HD13	1.39	1.04
2:2b:242:LEU:HD22	2:4e:244:GLY:C	1.81	1.04
2:2b:244:GLY:HA3	2:3e:243:GLY:N	1.71	1.04
2:2d:279:ILE:HD12	2:1k:251:VAL:HG13	1.32	1.04
2:3g:232:TYR:CE2	2:2x:232:TYR:CE2	2.45	1.04
2:3h:99:VAL:HG22	2:3h:109:THR:O	1.55	1.04
2:3h:226:ILE:HG12	2:2w:226:ILE:HD11	1.08	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7a:225:MET:O	2:6v:219:LYS:HG2	1.58	1.04
2:8i:254:SER:HB3	2:7g:266:LEU:CD2	1.86	1.04
2:2g:222:LEU:HD13	2:3i:226:ILE:HG22	1.33	1.04
2:2g:247:LYS:H	2:3i:239:THR:N	1.53	1.04
2:3j:97:TYR:CZ	2:3j:111:VAL:HB	1.92	1.04
2:5g:263:VAL:CG2	2:6k:256:ALA:CB	2.22	1.04
2:6i:256:ALA:HB3	2:8o:263:VAL:HG22	1.06	1.04
2:8k:209:LEU:HD21	2:9G:209:LEU:HD21	1.06	1.04
2:8m:266:LEU:HD23	2:8q:254:SER:OG	1.57	1.04
2:8o:97:TYR:CZ	2:8o:111:VAL:HB	1.92	1.04
2:2k:57:MET:HE2	2:3n:111:VAL:HG22	1.32	1.04
2:2l:222:LEU:HD13	2:3m:226:ILE:CG2	1.88	1.04
2:2l:247:LYS:H	2:3m:239:THR:N	1.53	1.04
2:2n:232:TYR:CE2	2:3s:232:TYR:CE2	2.44	1.04
2:4i:97:TYR:CZ	2:4i:111:VAL:HB	1.92	1.04
2:6m:269:LEU:CD2	2:8u:269:LEU:HD21	1.76	1.04
2:6n:97:TYR:CZ	2:6n:111:VAL:HB	1.92	1.04
2:6o:225:MET:O	2:7j:219:LYS:HG2	1.56	1.04
2:6o:239:THR:HG23	2:7j:247:LYS:HB3	1.07	1.04
2:6o:280:SER:OG	2:7j:247:LYS:CG	2.06	1.04
2:7m:245:VAL:CG2	2:8v:245:VAL:HG13	1.87	1.04
2:3r:99:VAL:HG22	2:3r:109:THR:O	1.55	1.04
2:4k:97:TYR:CZ	2:4k:111:VAL:HB	1.92	1.04
2:5l:116:LYS:HA	2:5l:116:LYS:HE3	1.34	1.04
2:6q:257:THR:O	2:9K:259:VAL:CB	2.04	1.04
2:6s:116:LYS:HA	2:6s:116:LYS:HE3	1.35	1.04
2:6s:240:THR:HA	2:7o:246:LYS:HD3	1.34	1.04
2:8w:206:VAL:HG11	2:9I:210:LEU:O	1.56	1.04
2:8y:236:ALA:HA	2:9J:242:LEU:HD21	1.38	1.04
2:1w:263:VAL:CG1	2:3w:254:SER:OG	2.05	1.04
2:2u:200:LEU:CD1	2:3v:200:LEU:HD13	1.87	1.04
2:2v:247:LYS:H	2:3u:239:THR:N	1.53	1.04
2:6u:247:LYS:CE	2:9Q:277:GLY:C	2.30	1.04
2:6v:97:TYR:CZ	2:6v:111:VAL:HB	1.92	1.04
2:6w:239:THR:C	2:7t:246:LYS:HB3	1.83	1.04
2:9M:201:VAL:CG2	2:9J:197:GLN:HE21	1.71	1.04
1:3C:202:GLU:OE1	1:3C:343:SER:CB	2.06	1.03
1:5E:204:THR:OG1	1:5E:212:GLU:OE1	1.75	1.03
1:7K:447:GLN:C	2:7n:41:TYR:CD1	2.36	1.03
1:8P:448:ALA:CB	2:8u:41:TYR:HD2	1.67	1.03
2:1g:280:SER:HB2	2:3g:250:ALA:N	1.72	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:57:MET:HE2	2:4e:111:VAL:CG2	1.87	1.03
2:3h:97:TYR:CZ	2:3h:111:VAL:HB	1.92	1.03
2:4f:116:LYS:HA	2:4f:116:LYS:HE3	1.34	1.03
2:7c:248:GLY:N	2:8j:278:ILE:O	1.90	1.03
2:8e:200:LEU:CD2	2:9F:196:LEU:CD1	2.35	1.03
2:8e:206:VAL:HG11	2:9F:210:LEU:O	1.56	1.03
2:1j:229:GLY:N	2:2f:229:GLY:O	1.90	1.03
2:1k:280:SER:N	2:3k:249:ALA:C	2.15	1.03
2:2f:239:THR:CG2	2:3j:247:LYS:CA	2.35	1.03
2:2f:242:LEU:CD1	2:3j:236:ALA:CA	2.35	1.03
2:6j:99:VAL:HG22	2:6j:109:THR:O	1.55	1.03
2:8o:254:SER:HB3	2:7l:266:LEU:CD2	1.86	1.03
2:1m:200:LEU:HD13	2:2j:200:LEU:HD13	1.39	1.03
2:1o:267:ASN:CG	2:3o:254:SER:CA	2.16	1.03
2:2k:200:LEU:CD1	2:3n:200:LEU:HD13	1.87	1.03
2:2k:238:THR:O	2:3n:247:LYS:N	1.87	1.03
2:2k:239:THR:CG2	2:3n:247:LYS:CA	2.35	1.03
2:2m:201:VAL:HG11	2:3t:210:LEU:HD22	1.07	1.03
2:2n:120:ILE:HD13	2:1s:120:ILE:HD13	1.41	1.03
2:3n:99:VAL:HG22	2:3n:109:THR:O	1.55	1.03
2:5i:263:VAL:HG22	2:6o:256:ALA:HB3	1.35	1.03
2:6n:99:VAL:HG22	2:6n:109:THR:O	1.55	1.03
2:8q:174:LEU:HD22	2:9H:170:LEU:HB3	1.36	1.03
2:8r:97:TYR:CZ	2:8r:111:VAL:HB	1.92	1.03
2:8s:97:TYR:CZ	2:8s:111:VAL:HB	1.92	1.03
2:2p:200:LEU:CD1	2:3r:200:LEU:HD13	1.87	1.03
2:2p:242:LEU:CD1	2:3r:236:ALA:CA	2.35	1.03
2:2p:242:LEU:HD13	2:3r:235:PRO:C	1.73	1.03
2:2q:222:LEU:HD13	2:3q:226:ILE:CG2	1.88	1.03
2:5k:97:TYR:CZ	2:5k:111:VAL:HB	1.92	1.03
2:8w:200:LEU:HD23	2:9I:196:LEU:HD13	1.33	1.03
2:8y:200:LEU:CD1	2:9J:200:LEU:CD1	2.36	1.03
2:8y:244:GLY:CA	2:9J:242:LEU:HB3	1.87	1.03
2:1w:277:GLY:CA	2:3w:247:LYS:HE3	1.88	1.03
2:2u:206:VAL:HG22	2:3v:209:LEU:HG	1.40	1.03
2:3x:99:VAL:HG22	2:3x:109:THR:O	1.55	1.03
2:7w:245:VAL:CG2	2:9R:245:VAL:HG13	1.87	1.03
1:6E:445:GLY:HA2	2:6f:44:VAL:HB	1.35	1.03
1:8A:448:ALA:HB1	2:8e:57:MET:CE	1.88	1.03
1:4R:443:SER:HB2	2:4j:44:VAL:HG21	1.39	1.03
1:7N:448:ALA:CA	2:7j:41:TYR:HD1	1.58	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:200:LEU:HD11	2:2Z:200:LEU:HD21	1.38	1.03
2:1e:247:LYS:HE2	2:2Z:280:SER:OG	1.55	1.03
2:1g:245:VAL:HG13	2:3g:245:VAL:HG23	1.06	1.03
2:1g:266:LEU:HD23	2:3g:265:ASP:HB2	1.05	1.03
2:1h:238:THR:C	2:2t:247:LYS:H	1.65	1.03
2:2c:202:SER:HB3	2:3l:193:LYS:HD3	1.35	1.03
2:3g:259:VAL:HG21	2:2x:259:VAL:HG23	1.41	1.03
2:5e:263:VAL:HG22	2:6g:256:ALA:HB3	1.35	1.03
2:6f:97:TYR:CZ	2:6f:111:VAL:HB	1.92	1.03
2:6f:99:VAL:HG22	2:6f:109:THR:O	1.55	1.03
2:8g:212:GLY:HA2	2:9G:203:ASN:ND2	1.72	1.03
2:8g:259:VAL:HG11	2:8k:257:THR:O	1.56	1.03
2:1j:229:GLY:O	2:3j:228:ALA:HA	1.56	1.03
2:2e:236:ALA:N	2:1p:242:LEU:HD11	1.74	1.03
2:2i:278:ILE:HD13	2:3o:278:ILE:HG22	1.38	1.03
2:4g:97:TYR:CZ	2:4g:111:VAL:HB	1.92	1.03
2:8k:279:ILE:CB	2:9G:248:GLY:HA3	1.88	1.03
2:8m:97:TYR:CZ	2:8m:111:VAL:HB	1.92	1.03
2:1o:97:TYR:CZ	2:1o:111:VAL:HB	1.92	1.03
2:6o:124:ASP:O	2:7j:119:SER:HA	1.59	1.03
2:1s:277:GLY:CA	2:3s:247:LYS:HE3	1.88	1.03
2:2o:246:LYS:CA	2:1x:238:THR:O	2.07	1.03
2:2o:247:LYS:H	2:1x:238:THR:C	1.65	1.03
2:2p:206:VAL:HG21	2:3r:209:LEU:O	1.57	1.03
2:2p:227:GLY:CA	2:3r:223:ARG:NH1	2.09	1.03
2:2q:242:LEU:HD22	2:4k:244:GLY:C	1.81	1.03
2:2q:244:GLY:HA3	2:3q:243:GLY:N	1.71	1.03
2:2r:227:GLY:HA2	2:3x:223:ARG:NH1	1.65	1.03
2:3s:116:LYS:HA	2:3s:116:LYS:HE3	1.34	1.03
2:7r:254:SER:H	2:9L:267:ASN:CG	1.66	1.03
2:8w:125:ILE:HG12	2:9I:120:ILE:HD11	1.40	1.03
2:8y:266:LEU:HD23	2:9M:254:SER:OG	1.57	1.03
2:1w:266:LEU:HD22	2:3w:266:LEU:H	1.07	1.03
2:2u:238:THR:O	2:3v:247:LYS:N	1.87	1.03
2:6w:124:ASP:O	2:7t:119:SER:HA	1.59	1.03
2:9N:97:TYR:CZ	2:9N:111:VAL:HB	1.92	1.03
2:9R:116:LYS:HE3	2:9R:116:LYS:HA	1.35	1.03
1:1I:444:GLY:H	2:1k:45:LYS:HE3	1.21	1.03
1:8X:445:GLY:HA2	2:8y:45:LYS:N	1.73	1.03
2:2a:226:ILE:HG22	2:3f:222:LEU:HB2	1.36	1.03
2:2b:223:ARG:NH1	2:3e:227:GLY:HA3	1.72	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:254:SER:H	2:8j:267:ASN:CG	1.66	1.03
2:8g:214:PRO:HG3	2:9G:225:MET:CG	1.88	1.03
2:9F:225:MET:CG	2:9O:214:PRO:HG3	1.88	1.03
2:9F:242:LEU:HD21	2:9O:236:ALA:HA	1.38	1.03
2:2f:200:LEU:CD1	2:3j:200:LEU:HD13	1.87	1.03
2:2f:206:VAL:HG22	2:3j:209:LEU:HG	1.40	1.03
2:2g:57:MET:HE2	2:4g:111:VAL:CG2	1.86	1.03
2:2g:232:TYR:CE2	2:3i:232:TYR:CZ	2.45	1.03
2:2h:201:VAL:HG11	2:3p:210:LEU:HD22	1.07	1.03
2:2h:242:LEU:O	2:3p:234:LEU:HD21	1.57	1.03
2:2i:120:ILE:HD13	2:1o:120:ILE:HD13	1.41	1.03
2:6l:97:TYR:CZ	2:6l:111:VAL:HB	1.92	1.03
2:7h:248:GLY:N	2:8p:278:ILE:O	1.90	1.03
2:8m:222:LEU:HB2	2:9H:226:ILE:CB	1.89	1.03
2:8m:244:GLY:CA	2:9H:242:LEU:HB3	1.87	1.03
2:1o:269:LEU:HD23	2:3o:269:LEU:HD23	1.37	1.03
2:2j:246:LYS:CA	2:1t:238:THR:O	2.07	1.03
2:2k:227:GLY:CA	2:3n:223:ARG:NH1	2.09	1.03
2:2k:240:THR:HA	2:3n:246:LYS:HD3	1.37	1.03
2:2k:242:LEU:O	2:3n:234:LEU:HD21	1.57	1.03
2:6m:257:THR:O	2:8u:259:VAL:CB	2.04	1.03
2:7m:248:GLY:N	2:8v:278:ILE:O	1.90	1.03
2:8s:197:GLN:HE21	2:9I:201:VAL:HA	1.20	1.03
2:8s:200:LEU:CD1	2:9I:200:LEU:CD1	2.36	1.03
2:8t:116:LYS:HA	2:8t:116:LYS:HE3	1.34	1.03
2:2o:232:TYR:CE2	2:1x:232:TYR:CZ	2.46	1.03
2:2p:200:LEU:O	2:3r:197:GLN:HG3	1.56	1.03
2:2p:240:THR:O	2:3r:246:LYS:HE2	1.57	1.03
2:2s:259:VAL:HG23	2:3w:259:VAL:HG21	1.40	1.03
2:6s:225:MET:O	2:7o:219:LYS:HG2	1.56	1.03
2:6s:280:SER:OG	2:7o:247:LYS:CG	2.06	1.03
2:7r:248:GLY:N	2:9L:278:ILE:O	1.90	1.03
2:7r:269:LEU:HD11	2:9L:273:LEU:HD12	1.37	1.03
2:8y:97:TYR:CZ	2:8y:111:VAL:HB	1.92	1.03
2:1u:200:LEU:HD11	2:2t:200:LEU:HD21	1.38	1.03
2:2u:240:THR:O	2:3v:246:LYS:HE2	1.57	1.03
2:2v:244:GLY:HA3	2:3u:243:GLY:N	1.71	1.03
2:7w:248:GLY:N	2:9R:278:ILE:O	1.90	1.03
1:7G:444:GLY:HA3	2:7g:45:LYS:HE3	1.40	1.03
1:8L:448:ALA:CB	2:8m:57:MET:HE1	1.89	1.03
1:3U:202:GLU:CB	1:3U:343:SER:HB2	1.89	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3a:202:GLU:OE1	1:3a:343:SER:CB	2.06	1.03
1:9E:444:GLY:O	2:9J:53:THR:OG1	1.75	1.03
2:1g:266:LEU:HD23	2:3g:265:ASP:CB	1.87	1.03
2:2b:247:LYS:H	2:3e:239:THR:N	1.53	1.03
2:2d:120:ILE:HD13	2:1k:120:ILE:HD13	1.41	1.03
2:2d:259:VAL:HG23	2:3k:259:VAL:HG21	1.41	1.03
2:5e:266:LEU:CD2	2:6g:265:ASP:HB2	1.88	1.03
2:6g:239:THR:C	2:7Z:246:LYS:HB3	1.83	1.03
2:6h:120:ILE:CD1	2:7c:120:ILE:CD1	2.01	1.03
2:7c:245:VAL:CG2	2:8j:245:VAL:HG13	1.87	1.03
2:7d:234:LEU:CD2	2:9P:242:LEU:HB3	1.89	1.03
2:8e:225:MET:CE	2:9F:212:GLY:O	2.07	1.03
2:8e:257:THR:O	2:9O:259:VAL:HG11	1.56	1.03
2:1k:277:GLY:CA	2:3k:247:LYS:HE3	1.88	1.03
2:4h:223:ARG:HG2	2:3p:226:ILE:O	1.58	1.03
2:7h:247:LYS:HG3	2:8p:277:GLY:O	1.59	1.03
2:7h:251:VAL:HG22	2:8p:270:ILE:CG2	1.89	1.03
2:7h:254:SER:H	2:8p:267:ASN:CG	1.66	1.03
2:2j:219:LYS:HG2	2:1t:225:MET:O	1.59	1.03
2:2k:200:LEU:O	2:3n:197:GLN:HG3	1.56	1.03
2:2k:242:LEU:CD1	2:3n:236:ALA:CA	2.35	1.03
2:2l:232:TYR:CE2	2:3m:232:TYR:CZ	2.45	1.03
2:2n:120:ILE:CD1	2:1s:120:ILE:CD1	2.15	1.03
2:6m:256:ALA:HB3	2:8u:263:VAL:HG22	1.06	1.03
2:6p:97:TYR:CZ	2:6p:111:VAL:HB	1.92	1.03
2:8q:279:ILE:CB	2:9H:248:GLY:HA3	1.88	1.03
2:2o:234:LEU:HD23	2:1x:242:LEU:C	1.83	1.03
2:2q:247:LYS:H	2:3q:239:THR:N	1.53	1.03
2:4l:223:ARG:HG2	2:3x:226:ILE:O	1.58	1.03
2:6q:246:LYS:CG	2:9K:242:LEU:HD23	1.87	1.03
2:8w:225:MET:CE	2:9I:212:GLY:O	2.07	1.03
2:8y:214:PRO:HG3	2:9J:225:MET:CG	1.88	1.03
2:9K:120:ILE:CD1	2:7v:120:ILE:CD1	2.17	1.03
2:1v:229:GLY:N	2:2u:229:GLY:O	1.90	1.03
2:1w:245:VAL:HG13	2:3w:245:VAL:HG23	1.06	1.03
2:2u:242:LEU:CD1	2:3v:236:ALA:CA	2.35	1.03
2:2v:57:MET:HE2	2:4m:111:VAL:CG2	1.87	1.03
2:5m:266:LEU:CD2	2:6w:265:ASP:HB2	1.89	1.03
2:5m:279:ILE:CD1	2:6w:251:VAL:HG11	1.86	1.03
2:9M:225:MET:CE	2:9J:212:GLY:O	2.07	1.03
1:3O:202:GLU:CB	1:3O:343:SER:HB2	1.89	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1T:448:ALA:HB2	2:1r:41:TYR:CD1	1.93	1.03
1:3U:447:GLN:NE2	2:3t:56:ASN:HD22	1.55	1.03
1:4X:443:SER:HB2	2:4l:44:VAL:HG21	1.41	1.03
1:7W:397:THR:HA	2:7u:107:LEU:HB2	1.40	1.03
2:1f:116:LYS:HA	2:1f:116:LYS:HE3	1.35	1.03
2:1h:200:LEU:HD13	2:2t:200:LEU:CD1	1.89	1.03
2:2a:206:VAL:HG22	2:3f:209:LEU:HG	1.40	1.03
2:2d:278:ILE:HD13	2:3k:278:ILE:HG22	1.38	1.03
2:5e:97:TYR:CZ	2:5e:111:VAL:HB	1.92	1.03
2:6g:228:ALA:HA	2:7Z:223:ARG:HD2	1.37	1.03
2:7c:247:LYS:HG3	2:8j:277:GLY:O	1.59	1.03
2:8e:244:GLY:CA	2:9F:244:GLY:HA2	1.86	1.03
2:1k:97:TYR:CZ	2:1k:111:VAL:HB	1.92	1.03
2:1k:148[B]:ILE:HD12	2:3k:148[B]:ILE:HD11	1.40	1.03
2:1k:266:LEU:HD21	2:3k:266:LEU:N	1.60	1.03
2:2e:246:LYS:CA	2:1p:238:THR:O	2.07	1.03
2:8k:225:MET:CE	2:9G:212:GLY:O	2.07	1.03
2:8m:214:PRO:HG3	2:9H:225:MET:CG	1.88	1.03
2:8n:242:LEU:HB3	2:7n:234:LEU:CD2	1.89	1.03
2:2j:247:LYS:H	2:1t:238:THR:C	1.65	1.03
2:2k:206:VAL:HG21	2:3n:209:LEU:O	1.56	1.03
2:5i:266:LEU:CD2	2:6o:265:ASP:HB2	1.89	1.03
2:8q:209:LEU:HD21	2:9H:209:LEU:CD2	1.89	1.03
2:8q:244:GLY:CA	2:9H:244:GLY:HA2	1.86	1.03
2:8s:222:LEU:HB2	2:9I:226:ILE:CB	1.89	1.03
2:8s:222:LEU:HD13	2:9I:226:ILE:HG22	1.39	1.03
2:8u:97:TYR:CZ	2:8u:111:VAL:HB	1.92	1.03
2:1q:200:LEU:HD11	2:2o:200:LEU:HD21	1.38	1.03
2:1s:266:LEU:HD22	2:3s:266:LEU:H	1.07	1.03
2:1s:269:LEU:CG	2:3s:269:LEU:CD2	2.27	1.03
2:1s:280:SER:HB2	2:3s:250:ALA:N	1.72	1.03
2:2o:200:LEU:CD1	2:1x:200:LEU:HD13	1.89	1.03
2:2p:206:VAL:HG22	2:3r:209:LEU:HG	1.40	1.03
2:2p:238:THR:O	2:3r:247:LYS:N	1.87	1.03
2:2r:200:LEU:O	2:3x:197:GLN:CG	2.07	1.03
2:2r:226:ILE:HG13	2:3x:223:ARG:HA	1.37	1.03
2:3q:116:LYS:HA	2:3q:116:LYS:HE3	1.35	1.03
2:6s:239:THR:C	2:7o:246:LYS:HB3	1.83	1.03
2:2u:242:LEU:O	2:3v:234:LEU:HD21	1.57	1.03
2:2v:200:LEU:HD13	2:3u:200:LEU:HD13	1.41	1.03
1:8A:444:GLY:O	2:8e:56:ASN:OD1	1.77	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2G:392:THR:OG1	2:2g:46:ASP:OD2	1.75	1.02
1:6G:448:ALA:HB3	2:6l:41:TYR:HD2	1.22	1.02
1:2P:447:GLN:C	2:2r:41:TYR:CE1	2.26	1.02
1:5W:445:GLY:HA2	2:5k:44:VAL:HB	1.38	1.02
1:6T:443:SER:CA	2:6s:56:ASN:HD21	1.57	1.02
2:1g:277:GLY:CA	2:3g:247:LYS:HE3	1.88	1.02
2:2a:240:THR:O	2:3f:246:LYS:HE2	1.57	1.02
2:2b:200:LEU:HD13	2:3e:200:LEU:HD13	1.41	1.02
2:2c:225:MET:SD	2:3l:209:LEU:CA	2.46	1.02
2:2c:226:ILE:HD11	2:3l:226:ILE:HG12	1.08	1.02
2:2d:120:ILE:CD1	2:1k:120:ILE:CD1	2.15	1.02
2:4f:245:VAL:H	2:3l:242:LEU:CD2	1.71	1.02
2:6f:219:LYS:HG2	2:7f:225:MET:O	1.58	1.02
2:6g:280:SER:OG	2:7Z:247:LYS:CG	2.06	1.02
2:7c:251:VAL:HG22	2:8j:270:ILE:CG2	1.89	1.02
2:8e:201:VAL:CG2	2:9F:197:GLN:NE2	2.22	1.02
2:8g:222:LEU:HB2	2:9G:226:ILE:CB	1.89	1.02
2:9F:200:LEU:CD1	2:9O:200:LEU:CD1	2.36	1.02
2:1k:263:VAL:CG1	2:3k:254:SER:OG	2.05	1.02
2:2e:200:LEU:CD1	2:1p:200:LEU:HD13	1.89	1.02
2:3i:116:LYS:HA	2:3i:116:LYS:HE3	1.35	1.02
2:6i:116:LYS:HA	2:6i:116:LYS:HE3	1.35	1.02
2:6j:97:TYR:CZ	2:6j:111:VAL:HB	1.92	1.02
2:6k:225:MET:O	2:7e:219:LYS:HG2	1.56	1.02
2:6k:239:THR:C	2:7e:246:LYS:HB3	1.83	1.02
2:8k:201:VAL:CG2	2:9G:197:GLN:NE2	2.22	1.02
2:1m:244:GLY:N	2:2j:242:LEU:HD13	1.72	1.02
2:2j:232:TYR:CE2	2:1t:232:TYR:CZ	2.46	1.02
2:2j:234:LEU:HD21	2:1t:242:LEU:C	1.81	1.02
2:2m:199:LEU:CB	2:3t:183:PHE:CD1	2.25	1.02
2:8s:214:PRO:HG3	2:9I:225:MET:CG	1.88	1.02
2:2p:226:ILE:HD12	2:3r:223:ARG:HA	1.39	1.02
2:5k:266:LEU:CD2	2:6s:265:ASP:HB2	1.89	1.02
2:6q:265:ASP:HB2	2:9K:266:LEU:CD2	1.81	1.02
2:6r:219:LYS:HG2	2:7u:225:MET:O	1.58	1.02
2:6s:124:ASP:O	2:7o:119:SER:HA	1.59	1.02
2:8w:201:VAL:CG2	2:9I:197:GLN:HE21	1.71	1.02
2:8y:222:LEU:HD13	2:9J:226:ILE:HG22	1.40	1.02
2:1w:280:SER:HB2	2:3w:250:ALA:N	1.72	1.02
2:6u:256:ALA:HB3	2:9Q:263:VAL:HG23	1.36	1.02
2:6u:256:ALA:CB	2:9Q:263:VAL:HG22	1.75	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:148[B]:ILE:CD1	2:9J:148[B]:ILE:HD11	1.85	1.02
1:7D:28:GLN:CG	2:6u:52:LEU:HD11	1.89	1.02
1:8H:447:GLN:HG2	2:8l:44:VAL:CG2	1.89	1.02
1:3O:442:ALA:C	2:3p:45:LYS:HZ3	1.64	1.02
1:8M:443:SER:O	2:8q:56:ASN:ND2	1.92	1.02
1:7S:28:GLN:CG	2:6m:52:LEU:HD11	1.89	1.02
1:7Y:448:ALA:CB	2:7w:60:LEU:CD1	2.05	1.02
2:1f:244:GLY:HA3	2:3f:242:LEU:CB	1.81	1.02
2:1h:238:THR:O	2:2t:246:LYS:CA	2.07	1.02
2:1h:242:LEU:C	2:2t:234:LEU:HD23	1.83	1.02
2:8e:226:ILE:CA	2:9F:219:LYS:CG	2.28	1.02
2:8g:279:ILE:HD12	2:8k:251:VAL:HG13	1.37	1.02
2:2f:242:LEU:CB	2:3j:244:GLY:CA	2.12	1.02
2:2g:197:GLN:HE21	2:3i:201:VAL:HA	1.22	1.02
2:5g:266:LEU:CD2	2:6k:265:ASP:HB2	1.88	1.02
2:6k:280:SER:OG	2:7e:247:LYS:CG	2.06	1.02
2:8k:200:LEU:CD2	2:9G:196:LEU:CD1	2.35	1.02
2:8m:228:ALA:HB1	2:9H:228:ALA:HB1	1.03	1.02
2:8o:254:SER:HB3	2:7l:266:LEU:HD23	1.41	1.02
2:1m:222:LEU:HB3	2:2j:226:ILE:HG21	1.37	1.02
2:2m:174:LEU:HD22	2:3t:174:LEU:HD11	1.37	1.02
2:2m:202:SER:HB3	2:3t:193:LYS:HD3	1.35	1.02
2:5i:259:VAL:HG21	2:6o:258:ASP:HA	1.39	1.02
2:7m:254:SER:H	2:8v:267:ASN:CG	1.66	1.02
2:8q:209:LEU:HD21	2:9H:209:LEU:HD21	1.06	1.02
2:8t:242:LEU:CB	2:7s:234:LEU:HD23	1.89	1.02
2:1q:210:LEU:HD23	2:2o:206:VAL:CG1	1.90	1.02
2:2q:197:GLN:HE21	2:3q:201:VAL:HA	1.22	1.02
2:2s:120:ILE:HD13	2:1w:120:ILE:HD13	1.41	1.02
2:6t:279:ILE:CD1	2:9L:251:VAL:HG13	1.90	1.02
2:8w:174:LEU:HD22	2:9I:170:LEU:HB3	1.36	1.02
2:5m:97:TYR:CZ	2:5m:111:VAL:HB	1.92	1.02
2:7w:247:LYS:HG3	2:9R:277:GLY:O	1.59	1.02
1:3I:202:GLU:CB	1:3I:343:SER:HB2	1.89	1.02
1:5K:204:THR:OG1	1:5K:212:GLU:OE1	1.75	1.02
1:3O:202:GLU:OE1	1:3O:343:SER:CB	2.06	1.02
1:5R:447:GLN:HG2	2:5j:44:VAL:HG12	1.39	1.02
1:7K:444:GLY:HA3	2:7n:45:LYS:HE3	1.39	1.02
1:8M:447:GLN:HG2	2:8q:44:VAL:HG11	1.41	1.02
1:8R:444:GLY:N	2:8s:45:LYS:HD2	1.74	1.02
1:1a:444:GLY:H	2:1w:45:LYS:HE3	1.25	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7W:393:GLY:HA3	2:7u:15:ALA:HB3	1.42	1.02
1:8b:445:GLY:O	2:9Q:45:LYS:N	1.92	1.02
2:1e:210:LEU:HD23	2:2Z:206:VAL:CG1	1.90	1.02
2:1e:222:LEU:HB3	2:2Z:226:ILE:HG21	1.37	1.02
2:1g:120:ILE:HD13	2:2x:120:ILE:HD13	1.40	1.02
2:1g:229:GLY:CA	2:3g:231:PRO:CG	2.37	1.02
2:1h:242:LEU:HD22	2:2t:236:ALA:HA	1.38	1.02
2:3h:197:GLN:CG	2:2w:200:LEU:O	2.07	1.02
2:3h:242:LEU:CD2	2:4n:245:VAL:H	1.71	1.02
2:7b:57:MET:HE3	2:9Q:61:ALA:CB	1.89	1.02
2:8e:125:ILE:HG12	2:9F:120:ILE:HD11	1.40	1.02
2:8g:200:LEU:HD11	2:9G:200:LEU:HD22	1.22	1.02
2:1j:225:MET:SD	2:2f:209:LEU:HD12	2.00	1.02
2:2e:235:PRO:C	2:1p:242:LEU:CD1	2.33	1.02
2:2i:120:ILE:CD1	2:1o:120:ILE:CD1	2.15	1.02
2:6j:219:LYS:HG2	2:7k:225:MET:O	1.58	1.02
2:6l:120:ILE:CD1	2:7h:120:ILE:CD1	2.01	1.02
2:8k:174:LEU:HD22	2:9G:170:LEU:HB3	1.36	1.02
2:8m:197:GLN:HE21	2:9H:201:VAL:HA	1.20	1.02
2:1m:210:LEU:HD23	2:2j:206:VAL:CG1	1.89	1.02
2:7m:251:VAL:HG22	2:8v:270:ILE:CG2	1.89	1.02
2:8q:201:VAL:CG2	2:9H:197:GLN:NE2	2.22	1.02
2:8s:228:ALA:CB	2:9I:228:ALA:CB	2.38	1.02
2:1s:245:VAL:HG13	2:3s:245:VAL:HG23	1.06	1.02
2:2p:240:THR:HA	2:3r:246:LYS:HD3	1.36	1.02
2:2r:206:VAL:HG21	2:3x:209:LEU:C	1.84	1.02
2:2r:242:LEU:O	2:3x:234:LEU:HD21	1.57	1.02
2:6q:257:THR:CA	2:9K:259:VAL:HG12	1.88	1.02
2:8w:209:LEU:HD21	2:9I:209:LEU:CD2	1.89	1.02
2:8w:278:ILE:CG2	2:9I:278:ILE:CB	2.38	1.02
2:9K:61:ALA:CB	2:7v:57:MET:HE3	1.90	1.02
2:5m:259:VAL:HG11	2:6w:258:ASP:C	1.84	1.02
2:6w:202:SER:HB3	2:7t:193:LYS:HD2	1.40	1.02
2:7w:254:SER:H	2:9R:267:ASN:CG	1.66	1.02
2:7w:256:ALA:CB	2:9R:263:VAL:HG21	1.90	1.02
2:9M:278:ILE:CG2	2:9J:278:ILE:CB	2.38	1.02
1:5E:199:LYS:HG2	1:5E:202:GLU:HG3	1.42	1.02
1:3I:202:GLU:OE1	1:3I:343:SER:CB	2.06	1.02
1:1X:356:PRO:CG	1:1X:369:PHE:CE2	2.43	1.02
1:5W:204:THR:OG1	1:5W:212:GLU:OE1	1.75	1.02
1:3a:202:GLU:CB	1:3a:343:SER:HB2	1.89	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7X:28:GLN:HG3	2:6q:52:LEU:HD11	1.37	1.02
2:1h:232:TYR:CZ	2:2t:232:TYR:CE2	2.46	1.02
2:2Z:232:TYR:CE2	2:1l:232:TYR:CZ	2.46	1.02
2:2a:242:LEU:CB	2:3f:244:GLY:CA	2.12	1.02
2:8e:200:LEU:CA	2:9F:193:LYS:HG2	1.82	1.02
2:8e:279:ILE:CB	2:9F:248:GLY:HA3	1.88	1.02
2:2i:259:VAL:HG23	2:3o:259:VAL:HG21	1.40	1.02
2:4h:245:VAL:H	2:3p:242:LEU:CD2	1.71	1.02
2:6k:124:ASP:O	2:7e:119:SER:HA	1.59	1.02
2:8k:209:LEU:HD21	2:9G:209:LEU:CD2	1.89	1.02
2:8k:279:ILE:CA	2:9G:248:GLY:H	1.73	1.02
2:8m:228:ALA:CB	2:9H:228:ALA:CB	2.38	1.02
2:1o:277:GLY:CA	2:3o:247:LYS:HE3	1.88	1.02
2:2k:226:ILE:HD12	2:3n:223:ARG:HA	1.39	1.02
2:6o:242:LEU:HD13	2:7j:235:PRO:O	1.60	1.02
2:7m:247:LYS:HG3	2:8v:277:GLY:O	1.59	1.02
2:8t:226:ILE:O	2:7s:223:ARG:CG	2.08	1.02
2:8u:254:SER:HB3	2:7q:266:LEU:HD23	1.41	1.02
2:1s:148[B]:ILE:HD12	2:3s:148[B]:ILE:HD11	1.40	1.02
2:1s:229:GLY:CA	2:3s:231:PRO:CG	2.37	1.02
2:8y:228:ALA:HB1	2:9J:228:ALA:HB1	1.02	1.02
2:8y:234:LEU:CD2	2:9J:242:LEU:C	2.23	1.02
2:1w:266:LEU:HD23	2:3w:265:ASP:CB	1.87	1.02
2:5m:259:VAL:HG21	2:6w:258:ASP:HA	1.39	1.02
2:6x:279:ILE:CD1	2:9R:251:VAL:HG13	1.90	1.02
2:9M:200:LEU:CA	2:9J:193:LYS:HG2	1.82	1.02
2:9M:279:ILE:CA	2:9J:248:GLY:H	1.73	1.02
1:4L:445:GLY:H	2:4h:44:VAL:HG22	1.22	1.02
1:5Q:204:THR:OG1	1:5Q:212:GLU:OE1	1.75	1.02
1:3U:202:GLU:OE1	1:3U:343:SER:CB	2.06	1.02
1:8V:445:GLY:HA2	2:9K:45:LYS:HB2	1.41	1.02
1:8Y:392:THR:CG2	2:9M:107:LEU:HD11	1.89	1.02
2:1f:225:MET:SD	2:2a:209:LEU:HD12	2.00	1.02
2:1g:277:GLY:C	2:3g:247:LYS:HG3	1.85	1.02
2:1h:225:MET:O	2:2t:219:LYS:HG2	1.59	1.02
2:2Z:219:LYS:HG2	2:1l:225:MET:O	1.59	1.02
2:2Z:246:LYS:CA	2:1l:238:THR:O	2.07	1.02
2:2d:125:ILE:HA	2:1k:120:ILE:O	1.60	1.02
2:6e:251:VAL:HG13	2:8i:279:ILE:HD13	1.25	1.02
2:7c:266:LEU:HA	2:8j:266:LEU:HD13	1.39	1.02
2:8e:278:ILE:CG2	2:9F:278:ILE:CB	2.38	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8h:242:LEU:CB	2:7i:234:LEU:HD23	1.89	1.02
2:9F:226:ILE:CB	2:9O:222:LEU:HB2	1.89	1.02
2:1k:229:GLY:CA	2:3k:231:PRO:CG	2.37	1.02
2:2h:206:VAL:HG21	2:3p:209:LEU:C	1.84	1.02
2:6l:279:ILE:CD1	2:8p:251:VAL:HG13	1.90	1.02
2:8n:242:LEU:CB	2:7n:234:LEU:HD23	1.88	1.02
2:1o:270:ILE:HG21	2:3o:251:VAL:HG22	1.02	1.02
2:8s:266:LEU:HD23	2:8w:254:SER:OG	1.57	1.02
2:1s:269:LEU:HD23	2:3s:269:LEU:HD23	1.37	1.02
2:2s:248:GLY:O	2:3w:280:SER:CB	2.08	1.02
2:7r:251:VAL:HG22	2:9L:270:ILE:CG2	1.89	1.02
2:8y:222:LEU:HB2	2:9J:226:ILE:CB	1.89	1.02
2:2u:226:ILE:HG22	2:3v:222:LEU:HB2	1.36	1.02
2:2v:246:LYS:CD	2:3u:240:THR:HA	1.90	1.02
2:6w:280:SER:OG	2:7t:247:LYS:CG	2.06	1.02
2:7w:251:VAL:HG22	2:9R:270:ILE:CG2	1.89	1.02
1:3C:202:GLU:CB	1:3C:343:SER:HB2	1.89	1.01
1:5F:446:ALA:HB1	2:5f:56:ASN:ND2	1.73	1.01
1:5L:446:ALA:HB1	2:5h:56:ASN:ND2	1.75	1.01
1:7Q:385:TRP:O	2:7q:106:GLN:NE2	1.92	1.01
1:1d:356:PRO:CG	1:1d:369:PHE:CE2	2.43	1.01
1:7W:392:THR:HB	2:7u:14:MET:HE3	1.38	1.01
1:7X:28:GLN:CD	2:6q:52:LEU:CD1	2.32	1.01
2:1e:244:GLY:N	2:2Z:242:LEU:HD13	1.72	1.01
2:1f:228:ALA:HB1	2:3f:228:ALA:HB1	1.05	1.01
2:2Z:200:LEU:CD1	2:1l:200:LEU:HD13	1.89	1.01
2:2b:214:PRO:CG	2:3e:225:MET:HG2	1.90	1.01
2:2c:206:VAL:HG21	2:3l:209:LEU:C	1.84	1.01
2:5e:269:LEU:HD23	2:6g:269:LEU:HD23	1.40	1.01
2:6e:247:LYS:CE	2:8i:277:GLY:C	2.30	1.01
2:6e:256:ALA:HB3	2:8i:263:VAL:HG22	1.06	1.01
2:6e:257:THR:CA	2:8i:259:VAL:HG12	1.88	1.01
2:8e:209:LEU:HD21	2:9F:209:LEU:HD21	1.06	1.01
2:8i:254:SER:HB3	2:7g:266:LEU:HD23	1.41	1.01
2:9F:242:LEU:C	2:9O:234:LEU:CD2	2.23	1.01
2:1k:277:GLY:C	2:3k:247:LYS:HG3	1.85	1.01
2:2e:232:TYR:CE2	2:1p:232:TYR:CZ	2.46	1.01
2:2e:236:ALA:HA	2:1p:242:LEU:HD22	1.39	1.01
2:6i:265:ASP:HB2	2:8o:266:LEU:CD2	1.81	1.01
2:7h:245:VAL:CG2	2:8p:245:VAL:HG13	1.87	1.01
2:7h:256:ALA:CB	2:8p:263:VAL:HG21	1.90	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:280:SER:CB	2:9G:249:ALA:CA	2.38	1.01
2:8m:214:PRO:HG3	2:9H:225:MET:HG2	1.42	1.01
2:8n:226:ILE:O	2:7n:223:ARG:CG	2.08	1.01
2:8n:239:THR:HA	2:7n:247:LYS:HB3	1.02	1.01
2:8n:242:LEU:CB	2:7n:234:LEU:CD2	2.38	1.01
2:2j:235:PRO:C	2:1t:242:LEU:CD1	2.33	1.01
2:2n:248:GLY:O	2:3s:280:SER:CB	2.08	1.01
2:5i:269:LEU:HG	2:6o:269:LEU:HD21	1.39	1.01
2:7m:269:LEU:HD11	2:8v:273:LEU:HD12	1.37	1.01
2:8s:214:PRO:HG3	2:9I:225:MET:HG2	1.42	1.01
2:1s:270:ILE:HG21	2:3s:251:VAL:HG22	1.02	1.01
2:2s:125:ILE:HA	2:1w:120:ILE:O	1.60	1.01
2:5k:259:VAL:HG11	2:6s:258:ASP:C	1.84	1.01
2:6q:247:LYS:CE	2:9K:277:GLY:C	2.30	1.01
2:6q:256:ALA:HB3	2:9K:263:VAL:HG22	1.06	1.01
2:7r:247:LYS:HG3	2:9L:277:GLY:O	1.59	1.01
2:8y:228:ALA:CB	2:9J:228:ALA:CB	2.38	1.01
2:8z:226:ILE:O	2:7x:223:ARG:CG	2.08	1.01
2:8z:242:LEU:CB	2:7x:234:LEU:HD23	1.88	1.01
2:8z:242:LEU:CB	2:7x:234:LEU:CD2	2.38	1.01
2:1v:225:MET:SD	2:2u:209:LEU:HD12	2.00	1.01
2:1w:269:LEU:HD23	2:3w:269:LEU:HD23	1.37	1.01
2:1w:277:GLY:HA2	2:3w:247:LYS:HE3	1.39	1.01
2:2u:226:ILE:CG2	2:3v:222:LEU:HB2	1.85	1.01
2:2v:214:PRO:CG	2:3u:225:MET:HG2	1.90	1.01
2:9M:209:LEU:HD21	2:9J:209:LEU:CD2	1.89	1.01
1:1C:444:GLY:H	2:1g:45:LYS:HE3	1.24	1.01
1:6B:448:ALA:CB	2:6g:41:TYR:CE1	2.42	1.01
1:5K:199:LYS:HG2	1:5K:202:GLU:HG3	1.42	1.01
1:1P:448:ALA:O	2:1p:41:TYR:HE1	1.37	1.01
1:5X:443:SER:O	2:5l:44:VAL:CG2	2.09	1.01
1:6X:445:GLY:O	2:6q:44:VAL:N	1.92	1.01
2:5e:259:VAL:HG11	2:6g:258:ASP:C	1.84	1.01
2:6g:124:ASP:O	2:7Z:119:SER:HA	1.59	1.01
2:7d:234:LEU:HD23	2:9P:242:LEU:CB	1.88	1.01
2:8e:148[B]:ILE:CD1	2:9F:148[B]:ILE:HD11	1.85	1.01
2:8e:209:LEU:HD21	2:9F:209:LEU:CD2	1.89	1.01
2:8g:228:ALA:HB1	2:9G:228:ALA:HB1	1.02	1.01
2:9F:200:LEU:HD22	2:9O:200:LEU:HD11	1.22	1.01
2:9F:228:ALA:HB1	2:9O:228:ALA:HB1	1.03	1.01
2:2f:240:THR:HA	2:3j:246:LYS:HD3	1.37	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:248:GLY:O	2:3o:280:SER:CB	2.08	1.01
2:6k:228:ALA:HA	2:7e:223:ARG:HD2	1.37	1.01
2:1n:225:MET:SD	2:2k:209:LEU:HD12	2.00	1.01
2:1n:239:THR:HG22	2:2k:247:LYS:O	1.61	1.01
2:1o:229:GLY:CA	2:3o:231:PRO:CG	2.37	1.01
2:1o:234:LEU:HD11	2:3o:234:LEU:CD2	1.90	1.01
2:2j:236:ALA:N	2:1t:242:LEU:HD11	1.74	1.01
2:2l:214:PRO:CG	2:3m:225:MET:HG2	1.90	1.01
2:3m:244:GLY:HA2	2:4i:243:GLY:O	1.60	1.01
2:7m:256:ALA:CB	2:8v:263:VAL:HG21	1.90	1.01
2:8q:210:LEU:HD21	2:9H:210:LEU:HD22	1.42	1.01
2:8q:225:MET:CE	2:9H:212:GLY:O	2.07	1.01
2:8t:242:LEU:CB	2:7s:234:LEU:CD2	2.38	1.01
2:2q:214:PRO:CG	2:3q:225:MET:HG2	1.90	1.01
2:2r:203:ASN:ND2	2:3x:212:GLY:CA	1.86	1.01
2:7r:266:LEU:HA	2:9L:266:LEU:HD13	1.39	1.01
2:1u:210:LEU:HD23	2:2t:206:VAL:CG1	1.90	1.01
2:1u:222:LEU:HB3	2:2t:226:ILE:HG21	1.37	1.01
2:6x:263:VAL:CG2	2:9R:256:ALA:HB3	1.90	1.01
1:3I:447:GLN:HE22	2:3I:56:ASN:HD22	1.07	1.01
1:5X:443:SER:O	2:5I:44:VAL:HG22	1.60	1.01
1:6X:445:GLY:N	2:6q:44:VAL:CG2	2.22	1.01
1:7T:447:GLN:C	2:7r:41:TYR:CE1	2.16	1.01
1:9D:397:THR:HA	2:9I:107:LEU:HB2	1.02	1.01
1:9D:405:SER:HB2	2:9I:45:LYS:HA	1.42	1.01
1:6Z:448:ALA:CB	2:6w:41:TYR:CE1	2.44	1.01
2:2Z:234:LEU:HD23	2:1I:242:LEU:C	1.84	1.01
2:2Z:236:ALA:N	2:1I:242:LEU:HD11	1.74	1.01
2:2a:242:LEU:HD13	2:3f:235:PRO:C	1.73	1.01
2:6g:203:ASN:ND2	2:7Z:212:GLY:HA3	1.75	1.01
2:7c:256:ALA:CB	2:8j:263:VAL:HG21	1.90	1.01
2:7d:223:ARG:CG	2:9P:226:ILE:O	2.08	1.01
2:8e:279:ILE:CA	2:9F:248:GLY:H	1.73	1.01
2:8g:214:PRO:HG3	2:9G:225:MET:HG2	1.42	1.01
2:8g:236:ALA:HA	2:9G:242:LEU:HD21	1.38	1.01
2:8h:242:LEU:HB3	2:7i:234:LEU:CD2	1.89	1.01
2:9F:225:MET:HG2	2:9O:214:PRO:HG3	1.42	1.01
2:1k:277:GLY:HA2	2:3k:247:LYS:HE3	1.39	1.01
2:2h:174:LEU:HD22	2:3p:174:LEU:HD11	1.36	1.01
2:2h:200:LEU:O	2:3p:197:GLN:CG	2.07	1.01
2:5g:259:VAL:HG11	2:6k:258:ASP:C	1.84	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6j:227:GLY:C	2:5j:223:ARG:CD	2.34	1.01
2:1m:247:LYS:CG	2:2j:239:THR:HG22	1.86	1.01
2:2k:206:VAL:HG22	2:3n:209:LEU:HG	1.40	1.01
2:6m:257:THR:CA	2:8u:259:VAL:HG12	1.88	1.01
2:6p:263:VAL:CG2	2:8v:256:ALA:HB3	1.90	1.01
2:7m:234:LEU:HD22	2:8v:234:LEU:HD12	1.43	1.01
2:8s:236:ALA:HA	2:9l:242:LEU:HD21	1.38	1.01
2:8u:120:ILE:CD1	2:7q:120:ILE:CD1	2.17	1.01
2:4l:245:VAL:H	2:3x:242:LEU:CD2	1.70	1.01
2:6s:202:SER:HB3	2:7o:193:LYS:HD2	1.40	1.01
2:7r:269:LEU:HD21	2:9L:269:LEU:HG	1.41	1.01
2:8w:209:LEU:HD21	2:9I:209:LEU:HD21	1.06	1.01
2:8y:209:LEU:HG	2:9J:206:VAL:HG22	1.42	1.01
2:1u:200:LEU:HD13	2:2t:200:LEU:HD13	1.39	1.01
2:1w:229:GLY:CA	2:3w:231:PRO:CG	2.37	1.01
2:4n:41:TYR:HE1	2:4n:57:MET:SD	1.84	1.01
2:6w:242:LEU:HD13	2:7t:235:PRO:O	1.60	1.01
2:9M:201:VAL:CG2	2:9J:197:GLN:NE2	2.22	1.01
1:7B:446:ALA:CB	2:7b:41:TYR:CE2	2.20	1.01
1:7E:448:ALA:HB3	2:7c:60:LEU:HD12	1.05	1.01
1:2H:28:GLN:NE2	2:4h:27:ILE:HD11	1.75	1.01
1:7F:448:ALA:HB3	2:7i:57:MET:HA	1.43	1.01
1:7G:447:GLN:CG	2:7g:44:VAL:CG2	2.36	1.01
1:8G:444:GLY:HA3	2:8k:56:ASN:ND2	1.75	1.01
1:1M:407:ASN:ND2	2:1m:44:VAL:O	1.94	1.01
1:7M:443:SER:O	2:7k:45:LYS:NZ	1.94	1.01
1:8R:448:ALA:HB2	2:8s:41:TYR:CD2	1.94	1.01
1:4X:446:ALA:HB1	2:4l:56:ASN:HB2	1.42	1.01
1:3b:443:SER:CB	2:3w:56:ASN:HD21	1.70	1.01
1:7X:446:ALA:HB1	2:7t:41:TYR:HE2	0.85	1.01
2:2a:242:LEU:O	2:3f:234:LEU:HD21	1.57	1.01
2:3g:280:SER:CB	2:2x:248:GLY:O	2.08	1.01
2:3h:226:ILE:O	2:4n:223:ARG:HG2	1.58	1.01
2:3h:234:LEU:HD21	2:2w:242:LEU:O	1.57	1.01
2:5e:279:ILE:CD1	2:6g:251:VAL:HG11	1.86	1.01
2:6e:257:THR:O	2:8i:259:VAL:CB	2.04	1.01
2:6g:202:SER:HB3	2:7Z:193:LYS:HD2	1.40	1.01
2:8g:228:ALA:CB	2:9G:228:ALA:CB	2.38	1.01
2:1i:210:LEU:HD23	2:2e:206:VAL:CG1	1.90	1.01
2:1i:222:LEU:HB3	2:2e:226:ILE:HG22	1.01	1.01
2:1j:228:ALA:HB1	2:3j:228:ALA:HB1	1.05	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:214:PRO:CG	2:3i:225:MET:HG2	1.90	1.01
2:3i:246:LYS:NZ	2:4g:240:THR:O	1.94	1.01
2:5g:269:LEU:HD23	2:6k:269:LEU:HD23	1.40	1.01
2:8k:41:TYR:HE1	2:8k:57:MET:SD	1.84	1.01
2:8p:41:TYR:HE1	2:8p:57:MET:SD	1.84	1.01
2:1o:245:VAL:HG13	2:3o:245:VAL:HG23	1.06	1.01
2:2j:200:LEU:CD1	2:1t:200:LEU:HD13	1.89	1.01
2:2m:200:LEU:O	2:3t:197:GLN:CG	2.07	1.01
2:2m:206:VAL:HG21	2:3t:209:LEU:C	1.84	1.01
2:2n:259:VAL:HG23	2:3s:259:VAL:HG21	1.41	1.01
2:5i:273:LEU:CD1	2:6o:269:LEU:HD11	1.91	1.01
2:6m:41:TYR:HE1	2:6m:57:MET:SD	1.84	1.01
2:6m:265:ASP:HB2	2:8u:266:LEU:HD22	1.37	1.01
2:6o:203:ASN:ND2	2:7j:212:GLY:HA3	1.75	1.01
2:1s:266:LEU:HD23	2:3s:265:ASP:CB	1.87	1.01
2:5k:259:VAL:HG21	2:6s:258:ASP:HA	1.39	1.01
2:5k:273:LEU:CD1	2:6s:269:LEU:HD11	1.91	1.01
2:6t:263:VAL:CG2	2:9L:256:ALA:HB3	1.90	1.01
2:7r:234:LEU:HD22	2:9L:234:LEU:HD12	1.43	1.01
2:7s:57:MET:HE3	2:8x:61:ALA:HB1	1.42	1.01
2:2v:234:LEU:CD2	2:3u:242:LEU:C	2.34	1.01
2:5n:41:TYR:HE1	2:5n:57:MET:SD	1.84	1.01
2:6x:120:ILE:CD1	2:7w:120:ILE:CD1	2.01	1.01
2:7w:269:LEU:HD11	2:9R:273:LEU:HD12	1.37	1.01
1:1F:356:PRO:CG	1:1F:369:PHE:CE2	2.43	1.01
1:5E:445:GLY:C	2:5e:44:VAL:HB	1.85	1.01
1:7C:392:THR:OG1	2:7a:46:ASP:OD2	1.78	1.01
1:3I:448:ALA:HB3	2:3l:41:TYR:CD2	1.96	1.01
1:6G:448:ALA:HB3	2:6l:41:TYR:CD2	1.96	1.01
1:1R:356:PRO:CG	1:1R:369:PHE:CE2	2.43	1.01
1:7R:392:THR:CG2	2:7p:14:MET:HE3	1.90	1.01
1:3a:442:ALA:C	2:3x:45:LYS:HZ1	1.67	1.01
1:5d:447:GLN:O	2:5n:60:LEU:HD12	1.60	1.01
2:1e:222:LEU:CB	2:2Z:226:ILE:CG2	2.20	1.01
2:2a:226:ILE:HD12	2:3f:223:ARG:HA	1.39	1.01
2:2b:222:LEU:HD13	2:3e:226:ILE:HG22	1.33	1.01
2:2c:227:GLY:HA3	2:3l:223:ARG:NH1	1.11	1.01
2:2d:248:GLY:O	2:3k:280:SER:CB	2.08	1.01
2:3h:209:LEU:C	2:2w:206:VAL:HG21	1.85	1.01
2:3h:209:LEU:CA	2:2w:225:MET:SD	2.46	1.01
2:4f:41:TYR:HE1	2:4f:57:MET:SD	1.84	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:273:LEU:CD1	2:6g:269:LEU:HD11	1.91	1.01
2:5f:41:TYR:HE1	2:5f:57:MET:SD	1.84	1.01
2:8h:239:THR:HA	2:7i:247:LYS:HB3	1.02	1.01
2:9F:228:ALA:CB	2:9O:228:ALA:CB	2.38	1.01
2:9F:239:THR:N	2:9O:247:LYS:CB	2.22	1.01
2:2e:219:LYS:HG2	2:1p:225:MET:O	1.59	1.01
2:2f:226:ILE:CG2	2:3j:222:LEU:HB2	1.85	1.01
2:2f:226:ILE:HD12	2:3j:223:ARG:HA	1.39	1.01
2:2i:269:LEU:CD2	2:3o:270:ILE:HG12	1.91	1.01
2:6i:41:TYR:HE1	2:6i:57:MET:SD	1.84	1.01
2:2k:200:LEU:HD13	2:3n:200:LEU:HD13	1.02	1.01
2:2n:269:LEU:CD2	2:3s:270:ILE:HG12	1.91	1.01
2:3o:41:TYR:HE1	2:3o:57:MET:SD	1.84	1.01
2:5i:259:VAL:HG11	2:6o:258:ASP:C	1.84	1.01
2:8t:242:LEU:HB3	2:7s:234:LEU:CD2	1.89	1.01
2:1s:277:GLY:C	2:3s:247:LYS:HG3	1.85	1.01
2:2o:219:LYS:HG2	2:1x:225:MET:O	1.59	1.01
2:3s:41:TYR:HE1	2:3s:57:MET:SD	1.84	1.01
2:6q:254:SER:HB2	2:9K:266:LEU:HD23	1.02	1.01
2:8w:280:SER:CB	2:9I:249:ALA:CA	2.38	1.01
2:1w:277:GLY:C	2:3w:247:LYS:HG3	1.85	1.01
2:7w:234:LEU:HD22	2:9R:234:LEU:HD12	1.43	1.01
2:9M:125:ILE:HG12	2:9J:120:ILE:HD11	1.40	1.01
1:3P:443:SER:CB	2:3o:56:ASN:ND2	2.25	1.00
1:7L:28:GLN:OE1	2:8v:27:ILE:HD11	1.60	1.00
1:6X:447:GLN:HA	2:6q:56:ASN:CB	1.89	1.00
1:7U:447:GLN:CA	2:7x:41:TYR:CE1	2.34	1.00
1:7V:407:ASN:HB2	2:7v:45:LYS:HG3	1.38	1.00
2:2b:234:LEU:CD2	2:3e:242:LEU:C	2.34	1.00
2:3e:246:LYS:NZ	2:4e:240:THR:O	1.94	1.00
2:3h:223:ARG:NH1	2:2w:227:GLY:HA3	1.11	1.00
2:5f:228:ALA:HB1	2:6v:228:ALA:HB1	1.42	1.00
2:6h:263:VAL:CG2	2:8j:256:ALA:HB3	1.90	1.00
2:6h:279:ILE:CD1	2:8j:251:VAL:HG13	1.90	1.00
2:7d:245:VAL:N	2:9P:242:LEU:CD2	2.23	1.00
2:8e:254:SER:OG	2:9O:266:LEU:HD23	1.57	1.00
2:8h:226:ILE:O	2:7i:223:ARG:CG	2.08	1.00
2:1j:41:TYR:HE1	2:1j:57:MET:SD	1.84	1.00
2:2f:200:LEU:HD13	2:3j:200:LEU:HD13	1.02	1.00
2:2g:234:LEU:CD2	2:3i:242:LEU:C	2.34	1.00
2:5g:259:VAL:HG21	2:6k:258:ASP:HA	1.39	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5g:269:LEU:HG	2:6k:269:LEU:HD21	1.40	1.00
2:6k:243:GLY:CA	2:7e:234:LEU:HD21	1.91	1.00
2:7h:234:LEU:HD22	2:8p:234:LEU:HD12	1.43	1.00
2:7h:269:LEU:HD21	2:8p:269:LEU:HG	1.41	1.00
2:1o:229:GLY:HA3	2:3o:231:PRO:CA	1.92	1.00
2:6n:227:GLY:C	2:5l:223:ARG:CD	2.34	1.00
2:8q:278:ILE:CG2	2:9H:278:ILE:CB	2.38	1.00
2:8v:41:TYR:HE1	2:8v:57:MET:SD	1.84	1.00
2:1r:225:MET:SD	2:2p:209:LEU:HD12	2.00	1.00
2:2q:234:LEU:CD2	2:3q:242:LEU:C	2.34	1.00
2:3q:244:GLY:HA2	2:4k:243:GLY:O	1.60	1.00
2:5l:41:TYR:HE1	2:5l:57:MET:SD	1.84	1.00
2:8y:214:PRO:HG3	2:9J:225:MET:HG2	1.42	1.00
2:8z:242:LEU:CD2	2:7x:245:VAL:N	2.23	1.00
2:8z:242:LEU:HB3	2:7x:234:LEU:CD2	1.89	1.00
2:1w:270:ILE:HG21	2:3w:251:VAL:HG22	1.02	1.00
2:2u:239:THR:CB	2:3v:247:LYS:HB3	1.79	1.00
2:6u:257:THR:O	2:9Q:259:VAL:CB	2.04	1.00
2:6w:228:ALA:HA	2:7t:223:ARG:HD2	1.37	1.00
1:6B:445:GLY:O	2:6g:44:VAL:HG22	1.61	1.00
1:1G:407:ASN:ND2	2:1i:44:VAL:O	1.95	1.00
1:5L:446:ALA:HA	2:5h:56:ASN:H	0.86	1.00
1:8V:447:GLN:CG	2:9K:44:VAL:CG2	2.38	1.00
1:7X:28:GLN:CD	2:6q:52:LEU:HD11	1.84	1.00
2:2Z:235:PRO:C	2:1l:242:LEU:CD1	2.33	1.00
2:2a:242:LEU:CD1	2:3f:236:ALA:CA	2.35	1.00
2:3g:41:TYR:HE1	2:3g:57:MET:SD	1.84	1.00
2:3g:259:VAL:HG22	2:2x:259:VAL:CG2	1.87	1.00
2:8i:120:ILE:HD13	2:7g:120:ILE:HD13	1.44	1.00
2:1i:244:GLY:N	2:2e:242:LEU:HD13	1.72	1.00
2:2i:125:ILE:HA	2:1o:120:ILE:O	1.60	1.00
2:8k:125:ILE:HG12	2:9G:120:ILE:HD11	1.40	1.00
2:8m:222:LEU:HD13	2:9H:226:ILE:HG22	1.40	1.00
2:8n:242:LEU:CD2	2:7n:245:VAL:N	2.22	1.00
2:2k:226:ILE:HG22	2:3n:222:LEU:HB2	1.36	1.00
2:2k:242:LEU:CB	2:3n:244:GLY:CA	2.12	1.00
2:2l:197:GLN:HE21	2:3m:201:VAL:HA	1.22	1.00
2:2m:227:GLY:HA3	2:3t:223:ARG:NH1	1.11	1.00
2:5i:269:LEU:HD23	2:6o:269:LEU:HD23	1.40	1.00
2:6m:247:LYS:CE	2:8u:277:GLY:C	2.30	1.00
2:6p:279:ILE:CD1	2:8v:251:VAL:HG13	1.90	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:41:TYR:HE1	2:8q:57:MET:SD	1.84	1.00
2:8q:200:LEU:CD2	2:9H:196:LEU:CD1	2.35	1.00
2:8t:239:THR:HA	2:7s:247:LYS:HB3	1.02	1.00
2:8t:242:LEU:CD2	2:7s:245:VAL:N	2.23	1.00
2:8u:61:ALA:CB	2:7q:57:MET:HE3	1.90	1.00
2:1r:41:TYR:HE1	2:1r:57:MET:SD	1.84	1.00
2:2p:226:ILE:CG2	2:3r:222:LEU:HB2	1.85	1.00
2:2r:201:VAL:CG2	2:3x:210:LEU:HD13	1.90	1.00
2:4l:41:TYR:HE1	2:4l:57:MET:SD	1.84	1.00
2:5k:279:ILE:CD1	2:6s:251:VAL:HG11	1.86	1.00
2:6r:228:ALA:HB1	2:5n:228:ALA:HB1	1.42	1.00
2:7r:256:ALA:CB	2:9L:263:VAL:HG21	1.90	1.00
2:1u:246:LYS:HB3	2:2t:239:THR:O	1.61	1.00
2:1v:239:THR:HG22	2:2u:247:LYS:O	1.61	1.00
2:1w:234:LEU:HD11	2:3w:234:LEU:CD2	1.90	1.00
2:3u:246:LYS:NZ	2:4m:240:THR:O	1.94	1.00
2:5m:259:VAL:CG1	2:6w:258:ASP:C	2.34	1.00
2:6u:254:SER:HB2	2:9Q:266:LEU:HD23	1.02	1.00
1:1L:356:PRO:CG	1:1L:369:PHE:CE2	2.43	1.00
1:7H:28:GLN:HE21	2:8h:52:LEU:HD11	1.27	1.00
1:3P:443:SER:CA	2:3o:56:ASN:ND2	1.88	1.00
1:5c:199:LYS:HG2	1:5c:202:GLU:HG3	1.42	1.00
2:1g:270:ILE:HG21	2:3g:251:VAL:HG22	1.02	1.00
2:1g:277:GLY:HA2	2:3g:247:LYS:HE3	1.39	1.00
2:2b:197:GLN:HE21	2:3e:201:VAL:HA	1.22	1.00
2:2c:200:LEU:O	2:3l:197:GLN:CG	2.07	1.00
2:3e:41:TYR:HE1	2:3e:57:MET:SD	1.84	1.00
2:3g:280:SER:N	2:2x:248:GLY:O	1.94	1.00
2:5e:269:LEU:HG	2:6g:269:LEU:HD21	1.39	1.00
2:6e:254:SER:HB2	2:8i:266:LEU:HD23	1.02	1.00
2:6f:239:THR:O	2:5h:246:LYS:HB3	1.61	1.00
2:8e:41:TYR:HE1	2:8e:57:MET:SD	1.84	1.00
2:8i:61:ALA:CB	2:7g:57:MET:HE3	1.90	1.00
2:9F:203:ASN:ND2	2:9O:212:GLY:HA2	1.72	1.00
2:1i:222:LEU:HB3	2:2e:226:ILE:HG21	1.37	1.00
2:1k:270:ILE:HG21	2:3k:251:VAL:HG22	1.02	1.00
2:2g:246:LYS:CD	2:3i:240:THR:HA	1.90	1.00
2:3k:41:TYR:HE1	2:3k:57:MET:SD	1.84	1.00
2:5g:273:LEU:CD1	2:6k:269:LEU:HD11	1.91	1.00
2:6i:247:LYS:CE	2:8o:277:GLY:C	2.30	1.00
2:6i:257:THR:O	2:8o:259:VAL:CB	2.04	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6k:242:LEU:HD13	2:7e:235:PRO:O	1.60	1.00
2:6l:263:VAL:CG2	2:8p:256:ALA:HB3	1.90	1.00
2:8k:225:MET:SD	2:9G:212:GLY:HA2	2.02	1.00
2:8k:278:ILE:CG2	2:9G:278:ILE:CB	2.38	1.00
2:8m:234:LEU:HD21	2:9H:242:LEU:O	1.44	1.00
2:2k:120:ILE:HD13	2:3n:120:ILE:HD11	1.00	1.00
2:2l:212:GLY:HA3	2:3m:203:ASN:ND2	1.76	1.00
2:2l:234:LEU:CD2	2:3m:242:LEU:C	2.34	1.00
2:3m:246:LYS:NZ	2:4i:240:THR:O	1.94	1.00
2:5i:259:VAL:CG1	2:6o:258:ASP:C	2.34	1.00
2:5j:41:TYR:HE1	2:5j:57:MET:SD	1.84	1.00
2:7n:57:MET:HE3	2:8r:61:ALA:HB1	1.42	1.00
2:8q:237:ALA:CB	2:9H:245:VAL:O	0.70	1.00
2:8s:209:LEU:HG	2:9I:206:VAL:HG22	1.42	1.00
2:1s:267:ASN:OD1	2:3s:254:SER:CA	2.09	1.00
2:1t:41:TYR:HE1	2:1t:57:MET:SD	1.84	1.00
2:2q:200:LEU:HD13	2:3q:200:LEU:HD13	1.41	1.00
2:2s:269:LEU:CD2	2:3w:270:ILE:HG12	1.91	1.00
2:5k:269:LEU:HD23	2:6s:269:LEU:HD23	1.40	1.00
2:6q:41:TYR:HE1	2:6q:57:MET:SD	1.84	1.00
2:6s:203:ASN:ND2	2:7o:212:GLY:HA3	1.76	1.00
2:8w:279:ILE:CA	2:9I:248:GLY:N	2.18	1.00
2:8z:41:TYR:HE1	2:8z:57:MET:SD	1.84	1.00
2:2v:197:GLN:HE21	2:3u:201:VAL:HA	1.22	1.00
2:6u:41:TYR:HE1	2:6u:57:MET:SD	1.84	1.00
2:6u:256:ALA:HB3	2:9Q:263:VAL:HG22	1.06	1.00
2:9M:280:SER:CB	2:9J:249:ALA:CA	2.38	1.00
1:8F:448:ALA:HB2	2:8g:57:MET:HE1	1.39	1.00
1:7P:26:ASN:OD1	2:6s:52:LEU:CG	2.08	1.00
1:3a:442:ALA:O	2:3x:45:LYS:NZ	1.94	1.00
1:3a:448:ALA:HB3	2:3x:41:TYR:CD2	1.96	1.00
2:1f:239:THR:HG22	2:2a:247:LYS:O	1.61	1.00
2:1g:267:ASN:ND2	2:3g:254:SER:C	1.93	1.00
2:1h:239:THR:C	2:2t:246:LYS:HB3	1.87	1.00
2:7c:234:LEU:HD22	2:8j:234:LEU:HD12	1.43	1.00
2:7c:269:LEU:HD21	2:8j:269:LEU:HG	1.41	1.00
2:8e:237:ALA:CB	2:9F:245:VAL:O	0.70	1.00
2:8g:267:ASN:OD1	2:8k:254:SER:N	1.94	1.00
2:8h:242:LEU:CD2	2:7i:245:VAL:N	2.23	1.00
2:8j:41:TYR:HE1	2:8j:57:MET:SD	1.84	1.00
2:1k:229:GLY:HA3	2:3k:231:PRO:CA	1.91	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:237:ALA:CB	2:9G:245:VAL:O	0.70	1.00
2:1m:246:LYS:HB3	2:2j:239:THR:O	1.61	1.00
2:6n:219:LYS:HG2	2:7p:225:MET:O	1.58	1.00
2:1s:229:GLY:HA3	2:3s:231:PRO:CA	1.92	1.00
2:2p:239:THR:N	2:3r:247:LYS:HB3	1.69	1.00
2:8w:237:ALA:CB	2:9I:245:VAL:O	0.70	1.00
2:1u:222:LEU:HB3	2:2t:226:ILE:HG22	1.01	1.00
2:1v:228:ALA:HB1	2:3v:228:ALA:HB1	1.05	1.00
2:6w:41:TYR:HE1	2:6w:57:MET:SD	1.84	1.00
1:5L:446:ALA:O	2:5h:56:ASN:HB2	1.62	1.00
1:6N:443:SER:CA	2:6o:56:ASN:ND2	2.24	1.00
1:8T:445:GLY:O	2:8x:54:GLN:O	1.78	1.00
1:8W:445:GLY:C	2:8z:44:VAL:HG22	1.86	1.00
1:8X:445:GLY:O	2:8y:44:VAL:N	1.94	1.00
2:2Z:246:LYS:HB3	2:1l:239:THR:C	1.87	1.00
2:2b:247:LYS:N	2:3e:239:THR:HA	1.77	1.00
2:2c:201:VAL:CG2	2:3l:210:LEU:HD13	1.90	1.00
2:5e:270:ILE:CG2	2:6g:251:VAL:HG22	1.92	1.00
2:7d:247:LYS:HB3	2:9P:239:THR:HA	1.02	1.00
2:8e:210:LEU:HD21	2:9F:210:LEU:HD22	1.42	1.00
2:8e:254:SER:N	2:9O:267:ASN:OD1	1.94	1.00
2:9F:200:LEU:HD13	2:9O:200:LEU:HD13	1.00	1.00
2:1i:246:LYS:HB3	2:2e:239:THR:O	1.61	1.00
2:1k:199:LEU:C	2:3k:193:LYS:HE3	1.87	1.00
2:2g:77:LEU:CD1	2:2g:110:LEU:CD2	2.36	1.00
2:5g:259:VAL:CG1	2:6k:258:ASP:C	2.34	1.00
2:8k:148[B]:ILE:CD1	2:9G:148[B]:ILE:HD11	1.85	1.00
2:8n:41:TYR:HE1	2:8n:57:MET:SD	1.84	1.00
2:1n:41:TYR:HE1	2:1n:57:MET:SD	1.84	1.00
2:6o:243:GLY:CA	2:7j:234:LEU:HD21	1.91	1.00
2:8q:175:PHE:HE1	2:9H:171:GLN:HG2	1.26	1.00
2:1q:222:LEU:HB3	2:2o:226:ILE:HG22	1.01	1.00
2:1s:267:ASN:CG	2:3s:254:SER:CA	2.16	1.00
2:2q:247:LYS:N	2:3q:239:THR:HA	1.77	1.00
2:5k:259:VAL:CG1	2:6s:258:ASP:C	2.34	1.00
2:2u:226:ILE:HD12	2:3v:223:ARG:HA	1.39	1.00
2:6w:203:ASN:ND2	2:7t:212:GLY:HA3	1.75	1.00
2:7w:254:SER:N	2:9R:267:ASN:OD1	1.94	1.00
2:9M:237:ALA:CB	2:9J:245:VAL:O	0.70	1.00
2:9P:41:TYR:HE1	2:9P:57:MET:SD	1.84	1.00
1:3R:448:ALA:HB2	2:3m:41:TYR:HE1	1.22	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8R:445:GLY:O	2:8s:44:VAL:HB	1.62	1.00
1:3a:442:ALA:C	2:3x:45:LYS:NZ	2.20	1.00
2:1f:242:LEU:HD22	2:2a:244:GLY:O	1.61	1.00
2:1g:120:ILE:O	2:2x:125:ILE:HA	1.60	1.00
2:2a:239:THR:HG23	2:3f:247:LYS:HG2	1.43	1.00
2:5f:246:LYS:HB3	2:6v:239:THR:O	1.61	1.00
2:7c:77:LEU:HD12	2:7c:110:LEU:HD22	1.44	1.00
2:7d:234:LEU:CD2	2:9P:242:LEU:CB	2.38	1.00
2:8h:242:LEU:CB	2:7i:234:LEU:CD2	2.38	1.00
2:1k:266:LEU:HD23	2:3k:265:ASP:CB	1.87	1.00
2:2f:238:THR:O	2:3j:247:LYS:N	1.87	1.00
2:2h:201:VAL:CG2	2:3p:210:LEU:HD13	1.90	1.00
2:4h:41:TYR:HE1	2:4h:57:MET:SD	1.84	1.00
2:6i:257:THR:CA	2:8o:259:VAL:HG12	1.88	1.00
2:1o:267:ASN:ND2	2:3o:254:SER:N	1.97	1.00
2:1o:267:ASN:OD1	2:3o:254:SER:CA	2.09	1.00
2:2l:246:LYS:CD	2:3m:240:THR:HA	1.90	1.00
2:2m:228:ALA:HB2	2:3t:223:ARG:HA	1.43	1.00
2:2n:125:ILE:HA	2:1s:120:ILE:O	1.60	1.00
2:6o:239:THR:HG23	2:7j:247:LYS:CB	1.91	1.00
2:9H:77:LEU:HD12	2:9H:110:LEU:HD22	1.44	1.00
2:2o:246:LYS:HB3	2:1x:239:THR:C	1.87	1.00
2:2q:229:GLY:N	2:4k:229:GLY:O	1.95	1.00
2:6s:242:LEU:HD13	2:7o:235:PRO:O	1.60	1.00
2:6t:120:ILE:CD1	2:7r:120:ILE:CD1	2.01	1.00
2:8w:41:TYR:HE1	2:8w:57:MET:SD	1.84	1.00
2:8w:201:VAL:CG2	2:9I:197:GLN:NE2	2.22	1.00
2:8w:279:ILE:HG23	2:9I:273:LEU:CD2	1.92	1.00
2:1w:267:ASN:OD1	2:3w:254:SER:CA	2.09	1.00
2:1x:41:TYR:HE1	2:1x:57:MET:SD	1.84	1.00
1:9A:392:THR:HG23	2:9F:46:ASP:OD2	1.60	1.00
1:8L:448:ALA:HB3	2:8m:57:MET:CE	1.91	1.00
2:1h:206:VAL:HG21	2:2t:209:LEU:O	1.62	1.00
2:2Z:209:LEU:O	2:1l:206:VAL:HG21	1.62	1.00
2:2a:120:ILE:HD13	2:3f:120:ILE:HD11	1.00	1.00
2:2a:203:ASN:ND2	2:3f:212:GLY:HA2	1.77	1.00
2:2d:259:VAL:CG2	2:3k:259:VAL:HG21	1.92	1.00
2:3h:210:LEU:HD13	2:2w:201:VAL:CG2	1.90	1.00
2:6e:258:ASP:CA	2:8i:259:VAL:CG2	2.17	1.00
2:6g:41:TYR:HE1	2:6g:57:MET:SD	1.84	1.00
2:6g:239:THR:HG23	2:7Z:247:LYS:CB	1.91	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8i:120:ILE:CD1	2:7g:120:ILE:CD1	2.17	1.00
2:2h:228:ALA:HB2	2:3p:223:ARG:HA	1.43	1.00
2:3i:244:GLY:HA2	2:4g:243:GLY:O	1.60	1.00
2:6j:227:GLY:O	2:5j:223:ARG:HD3	1.62	1.00
2:6k:202:SER:HB3	2:7e:193:LYS:HD2	1.40	1.00
2:8m:244:GLY:CA	2:9H:242:LEU:CB	2.39	1.00
2:8o:61:ALA:CB	2:7l:57:MET:HE3	1.90	1.00
2:1n:244:GLY:HA3	2:3n:242:LEU:CB	1.81	1.00
2:1o:277:GLY:HA2	2:3o:247:LYS:HE3	1.39	1.00
2:1o:277:GLY:C	2:3o:247:LYS:HG3	1.85	1.00
2:6o:202:SER:HB3	2:7j:193:LYS:HD2	1.40	1.00
2:7m:254:SER:N	2:8v:267:ASN:OD1	1.94	1.00
2:8q:200:LEU:HD21	2:9H:196:LEU:HD13	1.43	1.00
2:8s:244:GLY:CA	2:9I:242:LEU:CB	2.39	1.00
2:1r:228:ALA:HB1	2:3r:228:ALA:HB1	1.05	1.00
2:2q:246:LYS:CD	2:3q:240:THR:HA	1.90	1.00
2:3q:41:TYR:HE1	2:3q:57:MET:SD	1.84	1.00
2:8y:200:LEU:HD13	2:9J:200:LEU:HD13	1.00	1.00
2:8y:244:GLY:CA	2:9J:242:LEU:CB	2.39	1.00
2:1v:41:TYR:HE1	2:1v:57:MET:SD	1.84	1.00
2:5m:266:LEU:CD2	2:6w:265:ASP:CB	2.40	1.00
2:6u:258:ASP:CA	2:9Q:259:VAL:CG2	2.17	1.00
2:9M:242:LEU:HD22	2:9J:236:ALA:HB2	1.44	1.00
1:7C:28:GLN:NE2	2:9P:52:LEU:HD11	1.77	0.99
1:3O:442:ALA:O	2:3p:45:LYS:NZ	1.94	0.99
2:2d:232:TYR:HD2	2:3k:232:TYR:CZ	1.80	0.99
2:6f:227:GLY:O	2:5h:223:ARG:HD3	1.62	0.99
2:7d:77:LEU:HD12	2:7d:110:LEU:HD22	1.44	0.99
2:8e:270:ILE:HG21	2:9F:251:VAL:HG21	1.44	0.99
2:8g:222:LEU:HD13	2:9G:226:ILE:HG22	1.40	0.99
2:1j:242:LEU:HD22	2:2f:244:GLY:O	1.61	0.99
2:2i:232:TYR:CD2	2:3o:232:TYR:CZ	2.50	0.99
2:2i:232:TYR:HD2	2:3o:232:TYR:CZ	1.80	0.99
2:5g:266:LEU:CD2	2:6k:265:ASP:CB	2.40	0.99
2:6k:41:TYR:HE1	2:6k:57:MET:SD	1.84	0.99
2:7f:77:LEU:HD12	2:7f:110:LEU:HD22	1.44	0.99
2:1o:148[B]:ILE:HD12	2:3o:148[B]:ILE:HD11	1.40	0.99
2:6p:120:ILE:CD1	2:7m:120:ILE:CD1	2.01	0.99
2:8q:148[B]:ILE:CD1	2:9H:148[B]:ILE:HD11	1.85	0.99
2:1q:222:LEU:HB3	2:2o:226:ILE:HG21	1.37	0.99
2:2o:77:LEU:HD12	2:2o:110:LEU:HD22	1.44	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:248:GLY:O	2:3w:280:SER:N	1.94	0.99
2:5k:273:LEU:HD12	2:6s:269:LEU:HD11	1.43	0.99
2:9L:41:TYR:HE1	2:9L:57:MET:SD	1.84	0.99
2:2u:242:LEU:CD1	2:3v:236:ALA:N	2.15	0.99
2:9M:41:TYR:HE1	2:9M:57:MET:SD	1.84	0.99
2:9M:279:ILE:HG23	2:9J:273:LEU:CD2	1.92	0.99
1:2L:25:ARG:NH2	2:3s:51:ASP:OD1	1.96	0.99
1:5R:419:ASP:CG	1:5R:425:LYS:HZ2	1.70	0.99
2:1f:41:TYR:HE1	2:1f:57:MET:SD	1.84	0.99
2:2a:239:THR:CB	2:3f:247:LYS:HB3	1.79	0.99
2:5f:223:ARG:CD	2:6v:227:GLY:C	2.34	0.99
2:6e:41:TYR:HE1	2:6e:57:MET:SD	1.84	0.99
2:6g:242:LEU:HD13	2:7Z:235:PRO:O	1.60	0.99
2:7b:266:LEU:HD23	2:9Q:254:SER:HB3	1.41	0.99
2:8e:280:SER:CB	2:9F:249:ALA:CA	2.38	0.99
2:1k:263:VAL:HG11	2:3k:256:ALA:N	1.77	0.99
2:2e:234:LEU:HD21	2:1p:243:GLY:N	1.77	0.99
2:5h:41:TYR:HE1	2:5h:57:MET:SD	1.84	0.99
2:6j:244:GLY:O	2:7k:242:LEU:HD22	1.63	0.99
2:7h:254:SER:N	2:8p:267:ASN:OD1	1.94	0.99
2:7i:57:MET:HE3	2:8l:61:ALA:HB1	1.42	0.99
2:8m:236:ALA:HA	2:9H:242:LEU:HD21	1.38	0.99
2:2k:203:ASN:ND2	2:3n:212:GLY:HA2	1.77	0.99
2:7m:77:LEU:HD12	2:7m:110:LEU:HD22	1.44	0.99
2:8q:225:MET:SD	2:9H:212:GLY:HA2	2.02	0.99
2:8s:228:ALA:HB1	2:9I:228:ALA:HB1	1.02	0.99
2:1s:263:VAL:HG11	2:3s:256:ALA:N	1.77	0.99
2:6s:206:VAL:HG21	2:7o:209:LEU:O	1.63	0.99
2:8w:200:LEU:HD21	2:9I:196:LEU:HD13	1.43	0.99
2:9M:237:ALA:HB1	2:9J:246:LYS:N	1.77	0.99
1:4E:209:ALA:HB1	1:4E:212:GLU:HG2	1.44	0.99
1:1I:443:SER:OG	2:1k:45:LYS:NZ	1.95	0.99
1:4H:203:PRO:HB3	1:4H:212:GLU:HG2	1.44	0.99
1:9C:447:GLN:O	2:9H:41:TYR:CD1	2.05	0.99
2:1g:199:LEU:C	2:3g:193:LYS:HE3	1.87	0.99
2:1g:279:ILE:CA	2:3g:248:GLY:C	2.35	0.99
2:1h:243:GLY:CA	2:2t:234:LEU:HD21	1.93	0.99
2:2b:212:GLY:HA3	2:3e:203:ASN:ND2	1.77	0.99
2:2b:229:GLY:N	2:4e:229:GLY:O	1.95	0.99
2:2d:259:VAL:CG2	2:3k:259:VAL:HG22	1.87	0.99
2:8e:184:LEU:HD21	2:9F:184:LEU:CD2	1.93	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:206:VAL:HG22	2:9O:209:LEU:HG	1.42	0.99
2:9F:226:ILE:HG22	2:9O:222:LEU:HD13	1.40	0.99
2:2e:77:LEU:CD1	2:2e:110:LEU:CD2	2.36	0.99
2:6l:279:ILE:HD12	2:8p:251:VAL:HG13	1.00	0.99
2:7g:77:LEU:CD1	2:7g:110:LEU:CD2	2.36	0.99
2:8k:184:LEU:HD21	2:9G:184:LEU:CD2	1.92	0.99
2:8k:196:LEU:HD22	2:9G:183:PHE:CE1	1.97	0.99
2:8k:259:VAL:CG1	2:9G:259:VAL:CA	1.89	0.99
2:8m:267:ASN:OD1	2:8q:254:SER:N	1.94	0.99
2:1o:199:LEU:C	2:3o:193:LYS:HE3	1.87	0.99
2:1o:266:LEU:HD23	2:3o:265:ASP:CB	1.87	0.99
2:2j:246:LYS:HB3	2:1t:239:THR:C	1.87	0.99
2:2k:206:VAL:HG11	2:3n:210:LEU:CD2	1.91	0.99
2:2n:232:TYR:CD2	2:3s:232:TYR:CZ	2.50	0.99
2:1s:279:ILE:CA	2:3s:248:GLY:C	2.35	0.99
2:2o:236:ALA:N	2:1x:242:LEU:HD11	1.73	0.99
2:2p:77:LEU:HD12	2:2p:110:LEU:HD22	1.44	0.99
2:2q:77:LEU:HD12	2:2q:110:LEU:HD22	1.44	0.99
2:2s:148[B]:ILE:CD1	2:3w:148[B]:ILE:CD1	2.41	0.99
2:8y:267:ASN:OD1	2:9M:254:SER:N	1.94	0.99
2:2u:203:ASN:ND2	2:3v:212:GLY:HA2	1.77	0.99
2:2u:227:GLY:CA	2:3v:223:ARG:NH1	2.09	0.99
2:2v:212:GLY:HA3	2:3u:203:ASN:ND2	1.76	0.99
2:6w:239:THR:HG23	2:7t:247:LYS:CB	1.91	0.99
2:7w:251:VAL:HG12	2:9R:279:ILE:HD12	1.43	0.99
1:7B:446:ALA:HB3	2:7b:55:VAL:HG22	1.44	0.99
1:4K:209:ALA:HB1	1:4K:212:GLU:HG2	1.44	0.99
1:3O:447:GLN:HE22	2:3p:56:ASN:HD22	1.04	0.99
1:8P:448:ALA:HB3	2:8u:41:TYR:CD2	1.95	0.99
1:7Y:447:GLN:O	2:7w:42:VAL:HG12	1.61	0.99
2:2b:246:LYS:CD	2:3e:240:THR:HA	1.90	0.99
2:5e:259:VAL:CG1	2:6g:258:ASP:C	2.34	0.99
2:2n:248:GLY:O	2:3s:280:SER:N	1.94	0.99
2:3m:41:TYR:HE1	2:3m:57:MET:SD	1.84	0.99
2:4j:41:TYR:HE1	2:4j:57:MET:SD	1.84	0.99
2:6m:256:ALA:CB	2:8u:263:VAL:HG22	1.75	0.99
2:2o:235:PRO:C	2:1x:242:LEU:CD1	2.33	0.99
2:2p:120:ILE:HD13	2:3r:120:ILE:HD11	1.01	0.99
2:6s:243:GLY:CA	2:7o:234:LEU:HD21	1.91	0.99
2:7o:77:LEU:CD1	2:7o:110:LEU:CD2	2.36	0.99
2:7p:77:LEU:HD12	2:7p:110:LEU:HD22	1.44	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:231:PRO:HG3	2:9L:229:GLY:CA	1.93	0.99
2:3u:41:TYR:HE1	2:3u:57:MET:SD	1.84	0.99
2:3w:41:TYR:HE1	2:3w:57:MET:SD	1.84	0.99
1:8E:445:GLY:O	2:8h:44:VAL:CG2	2.11	0.99
1:3L:448:ALA:HB2	2:3i:57:MET:SD	2.02	0.99
1:1P:443:SER:HA	2:1p:56:ASN:HD21	1.19	0.99
1:3U:447:GLN:HE21	2:3t:44:VAL:HG21	1.28	0.99
1:7S:397:THR:HG22	2:7o:107:LEU:CB	1.93	0.99
2:1e:246:LYS:HB3	2:2Z:239:THR:O	1.61	0.99
2:1h:41:TYR:HE1	2:1h:57:MET:SD	1.84	0.99
2:2a:77:LEU:CD1	2:2a:110:LEU:CD2	2.36	0.99
2:3e:244:GLY:HA2	2:4e:243:GLY:O	1.60	0.99
2:3g:148[B]:ILE:CD1	2:2x:148[B]:ILE:CD1	2.41	0.99
2:8e:196:LEU:HD22	2:9F:183:PHE:CE1	1.97	0.99
2:8h:41:TYR:HE1	2:8h:57:MET:SD	1.84	0.99
2:2g:247:LYS:N	2:3i:239:THR:HA	1.77	0.99
2:3i:41:TYR:HE1	2:3i:57:MET:SD	1.84	0.99
2:6i:254:SER:HB2	2:8o:266:LEU:HD23	1.02	0.99
2:7h:231:PRO:HG3	2:8p:229:GLY:CA	1.93	0.99
2:7h:266:LEU:HA	2:8p:266:LEU:HD13	1.39	0.99
2:2l:247:LYS:N	2:3m:239:THR:HA	1.77	0.99
2:6m:254:SER:HB2	2:8u:266:LEU:HD23	1.02	0.99
2:7m:231:PRO:HG3	2:8v:229:GLY:CA	1.93	0.99
2:8q:199:LEU:CD1	2:9H:186:ALA:HA	1.93	0.99
2:8s:200:LEU:HD13	2:9I:200:LEU:HD13	1.00	0.99
2:1q:246:LYS:HB3	2:2o:239:THR:O	1.61	0.99
2:2o:120:ILE:HD11	2:1x:125:ILE:HG12	1.44	0.99
2:6r:244:GLY:O	2:7u:242:LEU:HD22	1.63	0.99
2:6t:279:ILE:HD12	2:9L:251:VAL:HG13	0.99	0.99
2:8w:225:MET:SD	2:9I:212:GLY:HA2	2.02	0.99
2:8w:237:ALA:HB1	2:9I:246:LYS:N	1.77	0.99
2:9I:77:LEU:CD1	2:9I:110:LEU:CD2	2.36	0.99
2:2u:206:VAL:HG11	2:3v:210:LEU:CD2	1.91	0.99
2:3u:244:GLY:HA2	2:4m:243:GLY:O	1.60	0.99
2:7v:77:LEU:CD1	2:7v:110:LEU:CD2	2.36	0.99
2:7w:231:PRO:HG3	2:9R:229:GLY:CA	1.93	0.99
2:9M:225:MET:SD	2:9J:212:GLY:HA2	2.02	0.99
2:9R:41:TYR:HE1	2:9R:57:MET:SD	1.84	0.99
1:1O:444:GLY:H	2:1o:45:LYS:CE	1.75	0.99
1:1U:201:ASP:OD2	1:1X:439:PRO:HB2	1.62	0.99
1:1X:356:PRO:HG2	1:1X:369:PHE:CE2	1.97	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:229:GLY:HA3	2:3g:231:PRO:CA	1.92	0.99
2:8e:199:LEU:CD1	2:9F:186:ALA:HA	1.93	0.99
2:8g:244:GLY:CA	2:9G:242:LEU:CB	2.39	0.99
2:2h:77:LEU:CD1	2:2h:110:LEU:CD2	2.36	0.99
2:2h:120:ILE:HD13	2:3p:120:ILE:HD11	1.45	0.99
2:6k:203:ASN:ND2	2:7e:212:GLY:HA3	1.75	0.99
2:6n:244:GLY:O	2:7p:242:LEU:HD22	1.63	0.99
2:6o:41:TYR:HE1	2:6o:57:MET:SD	1.84	0.99
2:2p:200:LEU:HD13	2:3r:200:LEU:HD13	1.02	0.99
2:2r:228:ALA:HB2	2:3x:223:ARG:HA	1.43	0.99
2:2s:259:VAL:CG2	2:3w:259:VAL:HG21	1.92	0.99
2:2u:203:ASN:HD22	2:3v:212:GLY:CA	1.75	0.99
2:2v:77:LEU:HD12	2:2v:110:LEU:HD22	1.44	0.99
2:2w:77:LEU:HD12	2:2w:110:LEU:HD22	1.44	0.99
2:7w:269:LEU:HD21	2:9R:269:LEU:HG	1.41	0.99
2:9M:243:GLY:C	2:9J:234:LEU:HD21	1.88	0.99
1:1B:448:ALA:CB	2:1f:41:TYR:HD1	1.50	0.99
2:1g:263:VAL:CG2	2:3g:262:ALA:CB	2.39	0.99
2:2a:203:ASN:HD22	2:3f:212:GLY:CA	1.75	0.99
2:2d:269:LEU:CD2	2:3k:270:ILE:HG12	1.91	0.99
2:3h:223:ARG:HA	2:2w:228:ALA:HB2	1.43	0.99
2:5e:259:VAL:HG21	2:6g:258:ASP:HA	1.39	0.99
2:6f:227:GLY:C	2:5h:223:ARG:CD	2.34	0.99
2:2e:77:LEU:HD12	2:2e:110:LEU:HD22	1.44	0.99
2:2e:234:LEU:HD21	2:1p:243:GLY:CA	1.93	0.99
2:1p:41:TYR:HE1	2:1p:57:MET:SD	1.84	0.99
2:2m:201:VAL:CG2	2:3t:210:LEU:HD13	1.90	0.99
2:2n:77:LEU:CD1	2:2n:110:LEU:CD2	2.36	0.99
2:6n:223:ARG:HD3	2:7p:227:GLY:C	1.87	0.99
2:7j:77:LEU:HD12	2:7j:110:LEU:HD22	1.44	0.99
2:7m:269:LEU:HD21	2:8v:269:LEU:HG	1.41	0.99
2:1r:239:THR:HG22	2:2p:247:LYS:O	1.61	0.99
2:5k:270:ILE:CG2	2:6s:251:VAL:HG22	1.92	0.99
2:1v:223:ARG:CD	2:3v:227:GLY:C	2.36	0.99
2:2v:247:LYS:N	2:3u:239:THR:HA	1.77	0.99
2:5m:270:ILE:CG2	2:6w:251:VAL:HG22	1.92	0.99
2:7w:245:VAL:CG2	2:9R:245:VAL:CG1	2.41	0.99
2:9M:184:LEU:HD21	2:9J:184:LEU:CD2	1.92	0.99
2:9M:196:LEU:HD22	2:9J:183:PHE:CE1	1.97	0.99
1:2G:356:PRO:HG2	1:2G:369:PHE:CE2	1.98	0.99
1:1a:201:ASP:OD2	1:1d:439:PRO:HB2	1.61	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1b:448:ALA:O	2:1x:57:MET:SD	2.21	0.99
2:6g:280:SER:HG	2:7Z:247:LYS:HG2	1.19	0.99
2:7a:227:GLY:C	2:6v:223:ARG:HD3	1.88	0.99
2:7c:245:VAL:CG2	2:8j:245:VAL:CG1	2.41	0.99
2:7c:254:SER:N	2:8j:267:ASN:OD1	1.94	0.99
2:8e:279:ILE:HG23	2:9F:273:LEU:CD2	1.92	0.99
2:1l:41:TYR:HE1	2:1l:57:MET:SD	1.84	0.99
2:2e:246:LYS:HB3	2:1p:239:THR:C	1.87	0.99
2:1r:242:LEU:HD22	2:2p:244:GLY:O	1.61	0.99
2:2q:223:ARG:HD3	2:3q:227:GLY:O	1.62	0.99
2:3q:246:LYS:NZ	2:4k:240:THR:O	1.94	0.99
2:6s:41:TYR:HE1	2:6s:57:MET:SD	1.84	0.99
2:7o:77:LEU:HD12	2:7o:110:LEU:HD22	1.44	0.99
2:8w:199:LEU:CD1	2:9I:186:ALA:HA	1.93	0.99
2:1u:244:GLY:N	2:2t:242:LEU:HD13	1.72	0.99
2:1w:229:GLY:HA3	2:3w:231:PRO:CA	1.92	0.99
2:1w:267:ASN:ND2	2:3w:254:SER:N	1.97	0.99
2:5m:263:VAL:CG2	2:6w:256:ALA:CB	2.22	0.99
2:6u:257:THR:CA	2:9Q:259:VAL:HG12	1.88	0.99
1:5F:446:ALA:HA	2:5f:56:ASN:H	0.84	0.99
1:1I:201:ASP:OD2	1:1L:439:PRO:HB2	1.61	0.99
1:5L:444:GLY:HA2	2:5h:44:VAL:HG22	1.42	0.99
1:1O:201:ASP:OD2	1:1R:439:PRO:HB2	1.61	0.99
1:7L:447:GLN:N	2:7l:42:VAL:O	1.96	0.99
1:1T:448:ALA:CB	2:1r:41:TYR:HD1	1.72	0.99
1:6X:447:GLN:CA	2:6q:56:ASN:HB2	1.92	0.99
1:2V:356:PRO:HG2	1:2V:369:PHE:CE2	1.98	0.99
1:6d:447:GLN:N	2:6u:56:ASN:HB2	1.77	0.99
2:1g:234:LEU:HD11	2:3g:234:LEU:CD2	1.90	0.99
2:1g:263:VAL:HG11	2:3g:256:ALA:N	1.77	0.99
2:2a:200:LEU:HD13	2:3f:200:LEU:HD13	1.02	0.99
2:2d:148[B]:ILE:CD1	2:3k:148[B]:ILE:CD1	2.41	0.99
2:2d:248:GLY:O	2:3k:280:SER:N	1.94	0.99
2:3g:232:TYR:CZ	2:2x:232:TYR:HD2	1.81	0.99
2:5f:223:ARG:HD3	2:6v:227:GLY:O	1.62	0.99
2:7c:231:PRO:HG3	2:8j:229:GLY:CA	1.93	0.99
2:8e:243:GLY:C	2:9F:234:LEU:HD21	1.88	0.99
2:1j:239:THR:HG22	2:2f:247:LYS:O	1.61	0.99
2:2f:206:VAL:HG11	2:3j:210:LEU:CD2	1.91	0.99
2:2g:200:LEU:HD13	2:3i:200:LEU:HD13	1.41	0.99
2:6j:239:THR:O	2:5j:246:LYS:HB3	1.61	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:270:ILE:HD11	2:9G:269:LEU:CB	1.83	0.99
2:2j:234:LEU:HD23	2:1t:242:LEU:C	1.84	0.99
2:6m:258:ASP:CA	2:8u:259:VAL:CG2	2.17	0.99
2:8q:125:ILE:HG12	2:9H:120:ILE:HD11	1.40	0.99
2:8q:270:ILE:HA	2:9H:269:LEU:HD11	1.45	0.99
2:8q:279:ILE:HG23	2:9H:273:LEU:CD2	1.92	0.99
2:2r:206:VAL:CG2	2:3x:209:LEU:CG	2.28	0.99
2:6r:223:ARG:HD3	2:7u:227:GLY:C	1.87	0.99
2:8z:239:THR:HA	2:7x:247:LYS:HB3	1.02	0.99
2:2u:120:ILE:HD13	2:3v:120:ILE:HD11	1.00	0.99
2:2u:200:LEU:HD13	2:3v:200:LEU:HD13	1.02	0.99
2:5m:269:LEU:HG	2:6w:269:LEU:HD21	1.40	0.99
2:5m:273:LEU:CD1	2:6w:269:LEU:HD11	1.91	0.99
1:1R:356:PRO:HG2	1:1R:369:PHE:CE2	1.97	0.99
1:3R:448:ALA:HB2	2:3m:41:TYR:CE1	1.97	0.99
1:6M:447:GLN:CG	2:6p:60:LEU:HD11	1.92	0.99
1:6R:447:GLN:HE22	2:6m:56:ASN:HD21	1.05	0.99
1:1V:448:ALA:O	2:1t:57:MET:SD	2.21	0.99
2:7a:242:LEU:HD22	2:6v:244:GLY:O	1.63	0.99
2:8g:200:LEU:HD13	2:9G:200:LEU:HD13	1.00	0.99
2:9F:242:LEU:CB	2:9O:244:GLY:CA	2.39	0.99
2:1k:279:ILE:CA	2:3k:248:GLY:C	2.35	0.99
2:6i:256:ALA:N	2:8o:263:VAL:CG2	2.25	0.99
2:7g:77:LEU:HD12	2:7g:110:LEU:HD22	1.44	0.99
2:1o:263:VAL:HG11	2:3o:256:ALA:N	1.77	0.99
2:2j:234:LEU:HD21	2:1t:243:GLY:CA	1.93	0.99
2:2m:77:LEU:HD12	2:2m:110:LEU:HD22	1.44	0.99
2:2n:148[B]:ILE:CD1	2:3s:148[B]:ILE:CD1	2.41	0.99
2:8t:41:TYR:HE1	2:8t:57:MET:SD	1.84	0.99
2:2p:206:VAL:HG11	2:3r:210:LEU:CD2	1.91	0.99
2:6r:227:GLY:C	2:5n:223:ARG:CD	2.34	0.99
2:1w:199:LEU:C	2:3w:193:LYS:HE3	1.87	0.99
2:1w:279:ILE:CA	2:3w:248:GLY:C	2.35	0.99
2:6u:251:VAL:HG13	2:9Q:279:ILE:HD12	1.00	0.99
2:9M:199:LEU:CD1	2:9J:186:ALA:HA	1.93	0.99
1:8A:446:ALA:HB3	2:8e:55:VAL:HA	1.44	0.98
1:1O:444:GLY:N	2:1o:45:LYS:NZ	2.09	0.98
1:2L:356:PRO:HG2	1:2L:369:PHE:CE2	1.98	0.98
1:8X:444:GLY:H	2:8y:45:LYS:CE	1.71	0.98
1:6Z:448:ALA:HB2	2:6w:41:TYR:CD1	1.98	0.98
2:2Z:77:LEU:HD12	2:2Z:110:LEU:HD22	1.44	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2a:238:THR:O	2:3f:247:LYS:N	1.87	0.98
2:3g:232:TYR:CZ	2:2x:232:TYR:CD2	2.51	0.98
2:3g:245:VAL:CG1	2:2x:245:VAL:CG2	2.41	0.98
2:6g:243:GLY:CA	2:7Z:234:LEU:HD21	1.91	0.98
2:7a:77:LEU:CD1	2:7a:110:LEU:CD2	2.36	0.98
2:8e:237:ALA:HB1	2:9F:246:LYS:N	1.77	0.98
2:8g:247:LYS:CB	2:9G:239:THR:N	2.22	0.98
2:2f:203:ASN:ND2	2:3j:212:GLY:HA2	1.77	0.98
2:2f:239:THR:HG23	2:3j:247:LYS:HG2	1.43	0.98
2:8k:210:LEU:HD21	2:9G:210:LEU:HD22	1.42	0.98
2:2r:77:LEU:HD12	2:2r:110:LEU:HD22	1.44	0.98
2:2s:232:TYR:HD2	2:3w:232:TYR:CZ	1.80	0.98
2:7r:278:ILE:CD1	2:9L:278:ILE:CG2	2.40	0.98
2:8w:242:LEU:HD22	2:9I:236:ALA:HB2	1.44	0.98
2:1v:227:GLY:C	2:2u:223:ARG:HD3	1.88	0.98
1:1C:201:ASP:OD2	1:1F:439:PRO:HB2	1.62	0.98
1:2F:444:GLY:HA3	2:2h:45:LYS:HE3	1.44	0.98
1:3I:447:GLN:HE22	2:3l:56:ASN:ND2	1.60	0.98
1:8G:447:GLN:HG2	2:8k:44:VAL:HG11	1.01	0.98
2:1h:242:LEU:HD11	2:2t:236:ALA:N	1.74	0.98
2:3g:278:ILE:CG2	2:2x:278:ILE:HD13	1.93	0.98
2:6f:228:ALA:HB1	2:5h:228:ALA:HB1	1.42	0.98
2:6g:206:VAL:HG21	2:7Z:209:LEU:O	1.63	0.98
2:7a:77:LEU:HD12	2:7a:110:LEU:HD22	1.44	0.98
2:1k:263:VAL:HG22	2:3k:262:ALA:CA	1.93	0.98
2:1k:267:ASN:OD1	2:3k:254:SER:CA	2.09	0.98
2:2f:120:ILE:HD13	2:3j:120:ILE:HD11	1.00	0.98
2:2h:77:LEU:HD12	2:2h:110:LEU:HD22	1.44	0.98
2:7h:245:VAL:CG2	2:8p:245:VAL:CG1	2.41	0.98
2:7i:77:LEU:HD12	2:7i:110:LEU:HD22	1.44	0.98
2:8o:120:ILE:CD1	2:7l:120:ILE:CD1	2.17	0.98
2:6m:256:ALA:N	2:8u:263:VAL:CG2	2.25	0.98
2:1q:244:GLY:N	2:2o:242:LEU:HD13	1.72	0.98
2:1r:223:ARG:CD	2:3r:227:GLY:C	2.36	0.98
2:1s:199:LEU:C	2:3s:193:LYS:HE3	1.87	0.98
2:2s:278:ILE:HD13	2:3w:278:ILE:CG2	1.93	0.98
2:7s:77:LEU:HD12	2:7s:110:LEU:HD22	1.44	0.98
2:8w:279:ILE:CA	2:9I:248:GLY:H	1.73	0.98
2:8y:247:LYS:CB	2:9J:239:THR:N	2.22	0.98
2:9K:120:ILE:HD13	2:7v:120:ILE:HD13	1.44	0.98
2:6w:206:VAL:HG11	2:7t:210:LEU:HD23	1.44	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6w:243:GLY:CA	2:7t:234:LEU:HD21	1.91	0.98
1:1F:356:PRO:HG2	1:1F:369:PHE:CE2	1.97	0.98
1:1J:443:SER:HA	2:1l:56:ASN:ND2	1.79	0.98
1:4Q:444:GLY:O	2:4i:53:THR:OG1	1.81	0.98
1:5X:419:ASP:CG	1:5X:425:LYS:HZ2	1.70	0.98
2:2Z:234:LEU:HD21	2:1l:243:GLY:CA	1.93	0.98
2:7c:278:ILE:HD13	2:8j:278:ILE:HG23	0.99	0.98
2:1j:227:GLY:C	2:2f:223:ARG:HD3	1.88	0.98
2:2f:200:LEU:CD1	2:3j:200:LEU:CD1	2.41	0.98
2:5g:273:LEU:HD12	2:6k:269:LEU:HD11	1.43	0.98
2:6j:228:ALA:HB1	2:5j:228:ALA:HB1	1.42	0.98
2:6l:263:VAL:HG21	2:8p:256:ALA:HB3	1.45	0.98
2:8k:200:LEU:CD2	2:9G:196:LEU:CB	2.41	0.98
2:8k:279:ILE:HG23	2:9G:273:LEU:CD2	1.92	0.98
2:8m:200:LEU:HD13	2:9H:200:LEU:CD1	1.93	0.98
2:8n:280:SER:HG	2:7n:247:LYS:HE2	1.24	0.98
2:1n:223:ARG:CD	2:3n:227:GLY:C	2.36	0.98
2:2n:232:TYR:HD2	2:3s:232:TYR:CZ	1.80	0.98
2:5i:266:LEU:CD2	2:6o:265:ASP:CB	2.40	0.98
2:8s:236:ALA:HA	2:9I:242:LEU:HD11	1.45	0.98
2:2o:209:LEU:O	2:1x:206:VAL:HG21	1.62	0.98
2:2s:245:VAL:CG2	2:3w:245:VAL:CG1	2.41	0.98
2:7r:77:LEU:CD1	2:7r:110:LEU:CD2	2.36	0.98
2:7x:19:LEU:HD12	2:7x:41:TYR:HD2	1.29	0.98
2:9M:200:LEU:CD2	2:9J:196:LEU:CB	2.41	0.98
1:6A:448:ALA:HB3	2:6h:57:MET:CE	1.92	0.98
1:5L:419:ASP:CG	1:5L:425:LYS:HZ2	1.72	0.98
1:8L:448:ALA:HB2	2:8m:41:TYR:HD2	1.04	0.98
1:4N:203:PRO:HB3	1:4N:212:GLU:HG2	1.44	0.98
1:2R:447:GLN:O	2:2p:41:TYR:HE1	1.40	0.98
1:6W:445:GLY:HA3	2:6r:45:LYS:H	1.28	0.98
1:9D:446:ALA:CB	2:9I:41:TYR:CD2	2.44	0.98
1:2W:447:GLN:O	2:2u:41:TYR:HE1	1.20	0.98
1:7V:392:THR:O	2:7v:46:ASP:OD1	1.79	0.98
2:1g:259:VAL:HG23	2:3g:259:VAL:HG23	1.44	0.98
2:1h:242:LEU:CD1	2:2t:235:PRO:C	2.33	0.98
2:2b:19:LEU:HD12	2:2b:41:TYR:HD2	1.29	0.98
2:2c:120:ILE:HD13	2:3l:120:ILE:HD11	1.44	0.98
2:8e:225:MET:SD	2:9F:212:GLY:HA2	2.02	0.98
2:8g:200:LEU:HD13	2:9G:200:LEU:CD1	1.93	0.98
2:8g:209:LEU:HG	2:9G:206:VAL:HG22	1.42	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:234:LEU:HD11	2:3k:234:LEU:CD2	1.90	0.98
2:2f:242:LEU:HA	2:3j:245:VAL:N	1.79	0.98
2:2h:77:LEU:HD11	2:2h:110:LEU:HD21	1.46	0.98
2:8m:200:LEU:HD13	2:9H:200:LEU:HD13	1.00	0.98
2:2j:120:ILE:HD11	2:1t:125:ILE:HG12	1.44	0.98
2:2k:203:ASN:HD22	2:3n:212:GLY:CA	1.75	0.98
2:2n:19:LEU:HD12	2:2n:41:TYR:HD2	1.29	0.98
2:6p:279:ILE:HD12	2:8v:251:VAL:HG13	0.99	0.98
2:7m:278:ILE:HD13	2:8v:278:ILE:HG23	0.99	0.98
2:8q:243:GLY:C	2:9H:234:LEU:HD21	1.88	0.98
2:8s:267:ASN:OD1	2:8w:254:SER:N	1.94	0.98
2:2q:212:GLY:HA3	2:3q:203:ASN:ND2	1.76	0.98
2:6r:239:THR:O	2:5n:246:LYS:HB3	1.61	0.98
2:6s:206:VAL:HG11	2:7o:210:LEU:HD23	1.44	0.98
2:7r:254:SER:N	2:9L:267:ASN:OD1	1.94	0.98
2:8y:131:THR:OG1	2:9M:141:PRO:HD3	1.64	0.98
2:8z:280:SER:HG	2:7x:247:LYS:HE2	1.18	0.98
2:9K:254:SER:HB3	2:7v:266:LEU:HD23	1.41	0.98
2:2v:229:GLY:N	2:4m:229:GLY:O	1.95	0.98
2:2x:77:LEU:HD12	2:2x:110:LEU:HD22	1.44	0.98
2:6w:239:THR:HA	2:7t:247:LYS:H	1.26	0.98
1:2B:356:PRO:HG2	1:2B:369:PHE:CE2	1.98	0.98
1:1G:446:ALA:HA	2:1i:42:VAL:O	1.61	0.98
1:7H:201:ASP:OD2	1:7H:202:GLU:O	1.82	0.98
1:8G:445:GLY:O	2:8k:44:VAL:HG21	1.63	0.98
2:1h:125:ILE:HG12	2:2t:120:ILE:HD11	1.44	0.98
2:2Z:234:LEU:HD21	2:1l:243:GLY:N	1.77	0.98
2:6e:256:ALA:N	2:8i:263:VAL:CG2	2.25	0.98
2:6h:263:VAL:HG21	2:8j:256:ALA:HB3	1.45	0.98
2:6h:279:ILE:HD12	2:8j:251:VAL:HG13	0.99	0.98
2:7c:77:LEU:CD1	2:7c:110:LEU:CD2	2.36	0.98
2:8e:280:SER:HB2	2:9F:249:ALA:HA	0.98	0.98
2:2i:248:GLY:O	2:3o:280:SER:N	1.94	0.98
2:5g:270:ILE:CG2	2:6k:251:VAL:HG22	1.92	0.98
2:8m:120:ILE:HD11	2:9H:120:ILE:CD1	1.94	0.98
2:8m:236:ALA:HA	2:9H:242:LEU:HD11	1.45	0.98
2:1n:242:LEU:HD22	2:2k:244:GLY:O	1.61	0.98
2:2j:234:LEU:HD21	2:1t:243:GLY:N	1.77	0.98
2:8q:196:LEU:HD22	2:9H:183:PHE:CE1	1.97	0.98
2:8q:243:GLY:CA	2:9H:234:LEU:HD23	1.94	0.98
2:2p:203:ASN:HD22	2:3r:212:GLY:CA	1.75	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:242:LEU:HA	2:3r:245:VAL:N	1.79	0.98
2:2s:232:TYR:CD2	2:3w:232:TYR:CZ	2.50	0.98
2:5k:278:ILE:CG2	2:6s:278:ILE:HD13	1.94	0.98
2:6s:226:ILE:CG2	2:7o:222:LEU:CD1	2.28	0.98
2:7p:77:LEU:CD1	2:7p:110:LEU:CD2	2.36	0.98
2:8w:200:LEU:CD2	2:9I:196:LEU:CB	2.41	0.98
2:1w:234:LEU:HD11	2:3w:234:LEU:HD21	1.46	0.98
2:7v:19:LEU:HD12	2:7v:41:TYR:HD2	1.29	0.98
2:9M:232:TYR:OH	2:9J:234:LEU:CB	2.12	0.98
1:8A:444:GLY:HA3	2:8e:56:ASN:OD1	1.63	0.98
1:7R:392:THR:HB	2:7p:14:MET:HE3	1.28	0.98
2:2a:200:LEU:CD1	2:3f:200:LEU:CD1	2.41	0.98
2:3g:226:ILE:O	2:2x:219:LYS:HB3	1.64	0.98
2:3h:212:GLY:HA2	2:2w:203:ASN:HD21	1.28	0.98
2:7d:19:LEU:HD12	2:7d:41:TYR:HD2	1.29	0.98
2:8g:120:ILE:HD11	2:9G:120:ILE:CD1	1.94	0.98
2:1k:259:VAL:HG23	2:3k:259:VAL:HG23	1.44	0.98
2:2e:19:LEU:HD12	2:2e:41:TYR:HD2	1.29	0.98
2:2f:203:ASN:HD22	2:3j:212:GLY:CA	1.75	0.98
2:5g:278:ILE:CG2	2:6k:278:ILE:HD13	1.94	0.98
2:6j:223:ARG:HD3	2:7k:227:GLY:C	1.87	0.98
2:6k:239:THR:HG23	2:7e:247:LYS:CB	1.91	0.98
2:7i:19:LEU:HD12	2:7i:41:TYR:HD2	1.29	0.98
2:8k:270:ILE:HA	2:9G:269:LEU:HD11	1.45	0.98
2:8m:242:LEU:CD2	2:8q:246:LYS:CG	2.42	0.98
2:2m:120:ILE:HD13	2:3t:120:ILE:HD11	1.44	0.98
2:6n:227:GLY:O	2:5l:223:ARG:HD3	1.62	0.98
2:7n:19:LEU:HD12	2:7n:41:TYR:HD2	1.29	0.98
2:8q:184:LEU:HD21	2:9H:184:LEU:CD2	1.93	0.98
2:1r:227:GLY:C	2:2p:223:ARG:HD3	1.88	0.98
2:1s:234:LEU:HD11	2:3s:234:LEU:CD2	1.90	0.98
2:8w:210:LEU:HD21	2:9I:210:LEU:HD22	1.42	0.98
2:8w:243:GLY:C	2:9I:234:LEU:HD21	1.88	0.98
2:1v:244:GLY:HA3	2:3v:242:LEU:CB	1.81	0.98
2:1w:234:LEU:HD12	2:3w:234:LEU:HD22	0.98	0.98
2:6w:206:VAL:HG21	2:7t:209:LEU:O	1.63	0.98
2:7t:19:LEU:HD12	2:7t:41:TYR:HD2	1.29	0.98
2:7x:57:MET:HE3	2:9N:61:ALA:HB1	1.42	0.98
1:3I:447:GLN:HG2	2:3I:44:VAL:HG23	1.46	0.98
1:8R:445:GLY:O	2:8s:44:VAL:CB	2.11	0.98
1:5X:447:GLN:O	2:5I:60:LEU:HD12	1.63	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:223:ARG:HD3	2:3e:227:GLY:O	1.62	0.98
2:2d:245:VAL:CG2	2:3k:245:VAL:CG1	2.42	0.98
2:5e:266:LEU:CD2	2:6g:265:ASP:CB	2.40	0.98
2:8k:199:LEU:CD1	2:9G:186:ALA:HA	1.93	0.98
2:8m:270:ILE:HD12	2:8q:253:ALA:HA	1.44	0.98
2:1o:234:LEU:HD12	2:3o:234:LEU:HD22	0.98	0.98
2:5i:270:ILE:CG2	2:6o:251:VAL:HG22	1.92	0.98
2:8s:131:THR:OG1	2:8w:141:PRO:HD3	1.63	0.98
2:2o:223:ARG:HD2	2:1x:228:ALA:HA	1.46	0.98
2:2p:239:THR:HG23	2:3r:247:LYS:HG2	1.43	0.98
2:2s:219:LYS:HB3	2:3w:226:ILE:O	1.63	0.98
2:6r:227:GLY:O	2:5n:223:ARG:HD3	1.62	0.98
2:7p:77:LEU:HD11	2:7p:110:LEU:HD21	1.46	0.98
2:7s:77:LEU:CD1	2:7s:110:LEU:CD2	2.36	0.98
2:8w:148[B]:ILE:CD1	2:9I:148[B]:ILE:HD11	1.85	0.98
2:8w:175:PHE:HE1	2:9I:171:GLN:HG2	1.27	0.98
2:2v:19:LEU:HD12	2:2v:41:TYR:HD2	1.29	0.98
2:7w:278:ILE:HD13	2:9R:278:ILE:HG23	0.99	0.98
1:3C:447:GLN:NE2	2:3h:56:ASN:ND2	1.98	0.98
1:2F:28:GLN:HE21	2:1p:27:ILE:HD12	1.09	0.98
1:7N:448:ALA:HA	2:7j:41:TYR:HD1	0.81	0.98
1:1d:356:PRO:HG2	1:1d:369:PHE:CE2	1.97	0.98
1:9E:445:GLY:HA3	2:9J:53:THR:OG1	1.63	0.98
2:1h:243:GLY:N	2:2t:234:LEU:HD21	1.77	0.98
2:2a:206:VAL:HG11	2:3f:210:LEU:CD2	1.91	0.98
2:2c:19:LEU:HD12	2:2c:41:TYR:HD2	1.29	0.98
2:3h:120:ILE:HD11	2:2w:120:ILE:HD13	1.44	0.98
2:1k:234:LEU:HD11	2:3k:234:LEU:HD21	1.46	0.98
2:2g:19:LEU:HD12	2:2g:41:TYR:HD2	1.29	0.98
2:2g:212:GLY:HA3	2:3i:203:ASN:ND2	1.76	0.98
2:2i:19:LEU:HD12	2:2i:41:TYR:HD2	1.29	0.98
2:8k:200:LEU:HD21	2:9G:196:LEU:HD13	1.43	0.98
2:1o:234:LEU:HD11	2:3o:234:LEU:HD21	1.46	0.98
2:7k:19:LEU:HD12	2:7k:41:TYR:HD2	1.29	0.98
2:2s:259:VAL:CG2	2:3w:259:VAL:HG22	1.87	0.98
2:7r:19:LEU:HD12	2:7r:41:TYR:HD2	1.29	0.98
2:7r:245:VAL:CG2	2:9L:245:VAL:CG1	2.41	0.98
2:8w:196:LEU:HD22	2:9I:183:PHE:CE1	1.97	0.98
2:8w:270:ILE:HA	2:9I:269:LEU:HD11	1.45	0.98
2:9I:19:LEU:HD12	2:9I:41:TYR:HD2	1.29	0.98
2:1w:263:VAL:HG11	2:3w:256:ALA:N	1.77	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2u:239:THR:HG23	2:3v:247:LYS:HG2	1.43	0.98
2:9J:19:LEU:HD12	2:9J:41:TYR:HD2	1.29	0.98
1:1C:444:GLY:N	2:1g:45:LYS:CE	2.26	0.98
1:7C:201:ASP:OD2	1:7C:202:GLU:O	1.82	0.98
1:2H:28:GLN:HE22	2:4h:27:ILE:CD1	1.77	0.98
1:5R:444:GLY:N	2:5j:45:LYS:HG2	1.79	0.98
1:6T:405:SER:HB2	2:6s:16:TYR:OH	1.62	0.98
1:7Y:447:GLN:HA	2:7w:41:TYR:HE1	1.25	0.98
2:1f:227:GLY:C	2:2a:223:ARG:HD3	1.88	0.98
2:2d:219:LYS:HB3	2:3k:226:ILE:O	1.64	0.98
2:5e:278:ILE:CG2	2:6g:278:ILE:HD13	1.94	0.98
2:6f:244:GLY:O	2:7f:242:LEU:HD22	1.63	0.98
2:8g:131:THR:OG1	2:8k:141:PRO:HD3	1.64	0.98
2:1k:234:LEU:HD12	2:3k:234:LEU:HD22	0.98	0.98
2:2i:148[B]:ILE:CD1	2:3o:148[B]:ILE:CD1	2.41	0.98
2:6j:200:LEU:HD22	2:5j:200:LEU:CD1	1.93	0.98
2:1o:279:ILE:CA	2:3o:248:GLY:C	2.35	0.98
2:2l:200:LEU:HD13	2:3m:200:LEU:HD13	1.41	0.98
2:6m:247:LYS:HE3	2:8u:277:GLY:CA	1.93	0.98
2:8q:232:TYR:OH	2:9H:234:LEU:CB	2.12	0.98
2:8q:280:SER:CB	2:9H:249:ALA:CA	2.38	0.98
2:8u:120:ILE:HD13	2:7q:120:ILE:HD13	1.44	0.98
2:2q:239:THR:HG22	2:4k:247:LYS:O	1.64	0.98
2:6q:256:ALA:N	2:9K:263:VAL:CG2	2.25	0.98
2:2u:200:LEU:CD1	2:3v:200:LEU:CD1	2.41	0.98
2:2u:242:LEU:HA	2:3v:245:VAL:N	1.79	0.98
2:2w:77:LEU:CD1	2:2w:110:LEU:CD2	2.36	0.98
2:5m:278:ILE:CG2	2:6w:278:ILE:HD13	1.94	0.98
2:9M:270:ILE:HG21	2:9J:251:VAL:HG21	1.44	0.98
2:9M:280:SER:HB2	2:9J:249:ALA:HA	0.98	0.98
1:4F:445:GLY:H	2:4f:44:VAL:CG2	1.77	0.98
1:1J:448:ALA:O	2:1l:41:TYR:CE1	2.17	0.98
1:1O:444:GLY:N	2:1o:45:LYS:CE	2.26	0.98
1:2Q:356:PRO:HG2	1:2Q:369:PHE:CE2	1.98	0.98
1:3V:443:SER:HA	2:3s:56:ASN:CG	1.88	0.98
1:5X:444:GLY:HA2	2:5l:44:VAL:N	1.77	0.98
1:6X:444:GLY:C	2:6q:44:VAL:CG2	2.36	0.98
1:9D:447:GLN:HG2	2:9I:56:ASN:HB2	1.42	0.98
1:2W:443:SER:O	2:2u:45:LYS:NZ	1.95	0.98
2:3g:270:ILE:HG12	2:2x:269:LEU:CD2	1.92	0.98
2:6f:225:MET:O	2:5h:219:LYS:HG2	1.64	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7d:57:MET:HE3	2:8f:61:ALA:HB1	1.42	0.98
2:2e:223:ARG:HD2	2:1p:228:ALA:HA	1.46	0.98
2:2i:259:VAL:HG22	2:3o:259:VAL:HG22	0.98	0.98
2:6j:41:TYR:CE2	2:6j:57:MET:CE	2.47	0.98
2:8q:148[B]:ILE:HD13	2:9H:148[B]:ILE:HD13	1.45	0.98
2:8q:237:ALA:HB1	2:9H:246:LYS:N	1.77	0.98
2:8q:270:ILE:HD11	2:9H:269:LEU:CB	1.82	0.98
2:8s:234:LEU:CD2	2:9I:242:LEU:C	2.23	0.98
2:2o:247:LYS:H	2:1x:239:THR:N	1.62	0.98
2:2s:77:LEU:HD11	2:2s:110:LEU:HD21	1.46	0.98
2:5k:266:LEU:CD2	2:6s:265:ASP:CB	2.40	0.98
2:7s:19:LEU:HD12	2:7s:41:TYR:HD2	1.29	0.98
1:7M:201:ASP:OD2	1:7M:202:GLU:O	1.82	0.97
1:7Q:25:ARG:NH1	2:9L:51:ASP:OD1	1.97	0.97
1:8Y:448:ALA:CB	2:9M:57:MET:CE	2.41	0.97
2:1g:263:VAL:HG22	2:3g:262:ALA:CA	1.93	0.97
2:2d:232:TYR:CD2	2:3k:232:TYR:CZ	2.50	0.97
2:3g:259:VAL:HG21	2:2x:259:VAL:CG2	1.92	0.97
2:6f:200:LEU:HD22	2:5h:200:LEU:CD1	1.93	0.97
2:2h:206:VAL:CG2	2:3p:209:LEU:CG	2.28	0.97
2:7h:77:LEU:HD11	2:7h:110:LEU:HD21	1.46	0.97
2:8k:270:ILE:HG21	2:9G:251:VAL:HG21	1.44	0.97
2:1m:234:LEU:HD21	2:2j:242:LEU:HB2	1.42	0.97
2:1n:227:GLY:C	2:2k:223:ARG:HD3	1.88	0.97
2:2j:209:LEU:O	2:1t:206:VAL:HG21	1.62	0.97
2:2n:245:VAL:CG2	2:3s:245:VAL:CG1	2.41	0.97
2:7n:77:LEU:HD12	2:7n:110:LEU:HD22	1.44	0.97
2:8q:279:ILE:CA	2:9H:248:GLY:H	1.73	0.97
2:2o:234:LEU:HD21	2:1x:243:GLY:CA	1.93	0.97
2:2o:234:LEU:HD21	2:1x:243:GLY:N	1.77	0.97
2:8w:232:TYR:OH	2:9I:234:LEU:CB	2.12	0.97
2:1u:210:LEU:HD23	2:2t:206:VAL:HG11	0.98	0.97
2:2u:77:LEU:HD12	2:2u:110:LEU:HD22	1.44	0.97
1:4Z:203:PRO:HB3	1:4Z:212:GLU:HG2	1.44	0.97
1:6Y:448:ALA:HB3	2:6x:57:MET:HE1	1.43	0.97
2:1f:223:ARG:CD	2:3f:227:GLY:C	2.36	0.97
2:2b:77:LEU:HD11	2:2b:110:LEU:HD21	1.46	0.97
2:6e:247:LYS:HE3	2:8i:277:GLY:CA	1.93	0.97
2:7d:244:GLY:HA3	2:9P:242:LEU:HD22	1.44	0.97
2:1k:263:VAL:CG2	2:3k:262:ALA:CB	2.39	0.97
2:2f:19:LEU:HD12	2:2f:41:TYR:HD2	1.29	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:148[B]:ILE:HD12	2:1o:148[B]:ILE:HD11	1.46	0.97
2:2i:278:ILE:HD13	2:3o:278:ILE:CG2	1.93	0.97
2:6i:247:LYS:HE3	2:8o:277:GLY:CA	1.93	0.97
2:7h:278:ILE:HD13	2:8p:278:ILE:HG23	0.99	0.97
2:8k:237:ALA:HB1	2:9G:246:LYS:N	1.77	0.97
2:8k:243:GLY:CA	2:9G:234:LEU:HD23	1.94	0.97
2:8m:247:LYS:CB	2:9H:239:THR:N	2.22	0.97
2:1m:222:LEU:HB3	2:2j:226:ILE:HG22	1.01	0.97
2:2j:77:LEU:HD12	2:2j:110:LEU:HD22	1.44	0.97
2:2j:210:LEU:HD23	2:1t:206:VAL:CG1	1.95	0.97
2:2k:200:LEU:CD1	2:3n:200:LEU:CD1	2.41	0.97
2:2k:242:LEU:HA	2:3n:245:VAL:N	1.79	0.97
2:2l:77:LEU:HD12	2:2l:110:LEU:HD22	1.45	0.97
2:3n:41:TYR:CE2	2:3n:57:MET:CE	2.47	0.97
2:5i:278:ILE:CG2	2:6o:278:ILE:HD13	1.94	0.97
2:7m:77:LEU:HD11	2:7m:110:LEU:HD21	1.46	0.97
2:8q:201:VAL:CA	2:9H:193:LYS:CD	2.42	0.97
2:1q:210:LEU:HD23	2:2o:206:VAL:HG11	0.98	0.97
2:8w:201:VAL:CA	2:9I:193:LYS:CD	2.42	0.97
2:8y:270:ILE:HD12	2:9M:253:ALA:HA	1.44	0.97
2:6u:247:LYS:HE3	2:9Q:277:GLY:CA	1.93	0.97
1:2F:28:GLN:HE21	2:1p:27:ILE:HD11	1.30	0.97
1:5c:445:GLY:C	2:5m:44:VAL:HB	1.72	0.97
2:1g:148[B]:ILE:HD11	2:2x:148[B]:ILE:HD12	1.46	0.97
2:2Z:19:LEU:HD12	2:2Z:41:TYR:HD2	1.29	0.97
2:2b:239:THR:HG22	2:4e:247:LYS:O	1.64	0.97
2:5f:200:LEU:CD1	2:6v:200:LEU:HD22	1.93	0.97
2:9F:242:LEU:CD2	2:9O:236:ALA:HA	1.94	0.97
2:1k:270:ILE:HG21	2:3k:251:VAL:CG2	1.77	0.97
2:2e:247:LYS:H	2:1p:239:THR:N	1.62	0.97
2:2g:229:GLY:N	2:4g:229:GLY:O	1.95	0.97
2:2h:19:LEU:HD12	2:2h:41:TYR:HD2	1.29	0.97
2:7h:251:VAL:HG12	2:8p:279:ILE:HD12	1.43	0.97
2:7h:266:LEU:HA	2:8p:266:LEU:HD11	1.45	0.97
2:8m:209:LEU:HG	2:9H:206:VAL:HG22	1.42	0.97
2:2n:278:ILE:HD13	2:3s:278:ILE:CG2	1.93	0.97
2:6n:239:THR:O	2:5l:246:LYS:HB3	1.61	0.97
2:6p:263:VAL:HG21	2:8v:256:ALA:HB3	1.45	0.97
2:8q:242:LEU:HD22	2:9H:236:ALA:HB2	1.44	0.97
2:8q:270:ILE:HG21	2:9H:251:VAL:HG21	1.44	0.97
2:1s:234:LEU:HD11	2:3s:234:LEU:HD21	1.46	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:234:LEU:HD12	2:3s:234:LEU:HD22	0.98	0.97
2:6q:247:LYS:HE3	2:9K:277:GLY:CA	1.93	0.97
2:8w:184:LEU:HD21	2:9I:184:LEU:CD2	1.93	0.97
2:8y:200:LEU:HD13	2:9J:200:LEU:CD1	1.93	0.97
2:8y:222:LEU:HB2	2:9J:226:ILE:HB	1.46	0.97
2:1u:234:LEU:HD21	2:2t:242:LEU:HB2	1.42	0.97
2:1v:242:LEU:HD22	2:2u:244:GLY:O	1.61	0.97
2:2u:77:LEU:CD1	2:2u:110:LEU:CD2	2.36	0.97
2:2v:223:ARG:HH11	2:3u:227:GLY:CA	1.77	0.97
2:7u:77:LEU:CD1	2:7u:110:LEU:CD2	2.36	0.97
2:9J:77:LEU:HD12	2:9J:110:LEU:HD22	1.44	0.97
1:7E:448:ALA:HB2	2:7c:60:LEU:HG	1.44	0.97
1:3a:447:GLN:HG2	2:3x:44:VAL:CG2	1.94	0.97
1:5d:446:ALA:CB	2:5n:56:ASN:CB	2.36	0.97
2:5e:273:LEU:HD12	2:6g:269:LEU:HD11	1.43	0.97
2:6e:247:LYS:CD	2:8i:277:GLY:O	2.12	0.97
2:7b:77:LEU:HD12	2:7b:110:LEU:HD22	1.44	0.97
2:8e:242:LEU:HD22	2:9F:236:ALA:HB2	1.44	0.97
2:9F:120:ILE:CD1	2:9O:120:ILE:HD11	1.94	0.97
2:2e:234:LEU:HD23	2:1p:242:LEU:C	1.84	0.97
2:8k:232:TYR:OH	2:9G:234:LEU:CB	2.12	0.97
2:1o:263:VAL:CG2	2:3o:262:ALA:CB	2.39	0.97
2:2n:234:LEU:HB2	2:3s:232:TYR:OH	1.64	0.97
2:7m:245:VAL:CG2	2:8v:245:VAL:CG1	2.41	0.97
2:8q:200:LEU:CD2	2:9H:196:LEU:CB	2.41	0.97
2:8s:222:LEU:CB	2:9I:226:ILE:HG21	1.79	0.97
2:2p:77:LEU:CD1	2:2p:110:LEU:CD2	2.36	0.97
2:6r:200:LEU:HD22	2:5n:200:LEU:CD1	1.93	0.97
2:2v:239:THR:HG22	2:4m:247:LYS:O	1.64	0.97
2:6u:256:ALA:N	2:9Q:263:VAL:CG2	2.25	0.97
2:7x:77:LEU:HD11	2:7x:110:LEU:HD21	1.46	0.97
1:5Q:199:LYS:HG2	1:5Q:202:GLU:HG3	1.42	0.97
1:6R:445:GLY:H	2:6m:45:LYS:HG2	1.25	0.97
1:7X:28:GLN:HG2	2:6q:52:LEU:CD1	1.93	0.97
2:1e:210:LEU:HD23	2:2Z:206:VAL:HG11	0.98	0.97
2:1g:234:LEU:HD12	2:3g:234:LEU:HD22	0.98	0.97
2:1g:237:ALA:HB1	2:3g:247:LYS:N	1.80	0.97
2:1h:239:THR:N	2:2t:247:LYS:H	1.62	0.97
2:2b:223:ARG:HH11	2:3e:227:GLY:CA	1.77	0.97
2:5f:219:LYS:HG2	2:6v:225:MET:O	1.64	0.97
2:7b:120:ILE:HD13	2:9Q:120:ILE:HD13	1.44	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:200:LEU:CD2	2:9F:196:LEU:CB	2.41	0.97
2:9F:77:LEU:CD1	2:9F:110:LEU:CD2	2.36	0.97
2:2e:77:LEU:HD11	2:2e:110:LEU:HD21	1.46	0.97
2:2e:210:LEU:HD23	2:1p:206:VAL:CG1	1.94	0.97
2:6i:251:VAL:HG13	2:8o:279:ILE:HD12	1.00	0.97
2:7f:19:LEU:HD12	2:7f:41:TYR:HD2	1.29	0.97
2:2j:247:LYS:H	2:1t:239:THR:N	1.62	0.97
2:2n:77:LEU:HD11	2:2n:110:LEU:HD21	1.46	0.97
2:6n:228:ALA:HB1	2:5l:228:ALA:HB1	1.42	0.97
2:7m:278:ILE:CD1	2:8v:278:ILE:CG2	2.40	0.97
2:8s:120:ILE:HD11	2:9l:120:ILE:CD1	1.94	0.97
2:8s:200:LEU:HD13	2:9l:200:LEU:CD1	1.93	0.97
2:8s:270:ILE:HD12	2:8w:253:ALA:HA	1.44	0.97
2:2r:120:ILE:HD13	2:3x:120:ILE:HD11	1.44	0.97
2:6s:239:THR:HG23	2:7o:247:LYS:CB	1.91	0.97
2:1w:263:VAL:HG22	2:3w:262:ALA:CA	1.93	0.97
2:2v:238:THR:O	2:4m:247:LYS:N	1.97	0.97
2:6u:251:VAL:HG22	2:9Q:270:ILE:HG12	1.45	0.97
2:9M:243:GLY:HA2	2:9J:234:LEU:HD23	0.98	0.97
1:5L:446:ALA:HB1	2:5h:56:ASN:CG	1.90	0.97
2:1f:229:GLY:O	2:3f:229:GLY:N	1.98	0.97
2:6f:223:ARG:HD3	2:7f:227:GLY:C	1.87	0.97
2:7Z:19:LEU:HD12	2:7Z:41:TYR:HD2	1.29	0.97
2:8g:234:LEU:HD21	2:9G:242:LEU:O	1.44	0.97
2:9F:242:LEU:HD11	2:9O:236:ALA:HA	1.45	0.97
2:2g:77:LEU:HD11	2:2g:110:LEU:HD21	1.46	0.97
2:2i:245:VAL:CG2	2:3o:245:VAL:CG1	2.41	0.97
2:8k:243:GLY:C	2:9G:234:LEU:HD21	1.88	0.97
2:8n:242:LEU:HD22	2:7n:244:GLY:HA3	1.43	0.97
2:2j:19:LEU:HD12	2:2j:41:TYR:HD2	1.29	0.97
2:2l:238:THR:O	2:4i:247:LYS:N	1.97	0.97
2:5i:279:ILE:HA	2:6o:248:GLY:O	1.65	0.97
2:6m:247:LYS:CD	2:8u:277:GLY:O	2.12	0.97
2:8r:41:TYR:CE2	2:8r:57:MET:CE	2.47	0.97
2:1q:97:TYR:C	2:1q:110:LEU:HB2	1.90	0.97
2:7q:77:LEU:HD12	2:7q:110:LEU:HD22	1.44	0.97
1:4B:203:PRO:HB3	1:4B:212:GLU:CG	1.95	0.97
1:5E:445:GLY:O	2:5e:44:VAL:CB	2.13	0.97
1:7C:447:GLN:C	2:7a:41:TYR:HE1	1.67	0.97
2:1g:267:ASN:ND2	2:3g:254:SER:N	1.97	0.97
2:6f:97:TYR:C	2:6f:110:LEU:HB2	1.90	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7b:120:ILE:CD1	2:9Q:120:ILE:CD1	2.17	0.97
2:8e:141:PRO:HD3	2:9O:131:THR:OG1	1.64	0.97
2:8e:246:LYS:CG	2:9O:242:LEU:CD2	2.41	0.97
2:8g:236:ALA:HA	2:9G:242:LEU:HD11	1.45	0.97
2:1j:223:ARG:CD	2:3j:227:GLY:C	2.36	0.97
2:1k:269:LEU:CD2	2:3k:269:LEU:HD23	1.95	0.97
2:2g:223:ARG:HD3	2:3i:227:GLY:O	1.62	0.97
2:6k:242:LEU:HD22	2:7e:236:ALA:HA	1.44	0.97
2:7e:77:LEU:CD1	2:7e:110:LEU:CD2	2.36	0.97
2:8k:148[B]:ILE:HD13	2:9G:148[B]:ILE:HD13	1.45	0.97
2:2l:229:GLY:N	2:4i:229:GLY:O	1.95	0.97
2:2m:19:LEU:HD12	2:2m:41:TYR:HD2	1.29	0.97
2:5i:97:TYR:C	2:5i:110:LEU:HB2	1.90	0.97
2:6o:206:VAL:HG21	2:7j:209:LEU:O	1.63	0.97
2:8q:201:VAL:C	2:9H:193:LYS:CD	2.38	0.97
2:8s:222:LEU:HB2	2:9I:226:ILE:HB	1.46	0.97
2:2q:238:THR:O	2:4k:247:LYS:N	1.97	0.97
2:2s:77:LEU:CD1	2:2s:110:LEU:CD2	2.36	0.97
2:2s:234:LEU:HB2	2:3w:232:TYR:OH	1.64	0.97
2:5k:279:ILE:HA	2:6s:248:GLY:O	1.65	0.97
2:7p:19:LEU:HD12	2:7p:41:TYR:HD2	1.29	0.97
2:8w:225:MET:HG2	2:9I:214:PRO:HD2	0.98	0.97
2:8w:270:ILE:HG21	2:9I:251:VAL:HG21	1.44	0.97
2:1w:234:LEU:HD13	2:3w:234:LEU:HD13	1.46	0.97
2:2v:234:LEU:HD21	2:3u:243:GLY:HA2	1.46	0.97
2:4m:97:TYR:C	2:4m:110:LEU:HB2	1.90	0.97
2:6x:97:TYR:C	2:6x:110:LEU:HB2	1.90	0.97
2:6x:279:ILE:HD12	2:9R:251:VAL:HG13	0.99	0.97
2:9M:225:MET:HG2	2:9J:214:PRO:HD2	0.98	0.97
1:1L:356:PRO:HG2	1:1L:369:PHE:CE2	1.97	0.97
1:5L:447:GLN:CG	2:5h:44:VAL:HG12	1.95	0.97
1:7G:382:LYS:NZ	2:7g:101:GLU:OE2	1.98	0.97
1:7T:25:ARG:NH2	2:5l:51:ASP:OD1	1.97	0.97
2:1h:206:VAL:CG1	2:2t:210:LEU:HD23	1.95	0.97
2:2b:77:LEU:HD12	2:2b:110:LEU:HD22	1.44	0.97
2:2b:238:THR:O	2:4e:247:LYS:N	1.97	0.97
2:2d:77:LEU:CD1	2:2d:110:LEU:CD2	2.36	0.97
2:2d:234:LEU:HB2	2:3k:232:TYR:OH	1.64	0.97
2:7Z:77:LEU:CD1	2:7Z:110:LEU:CD2	2.36	0.97
2:7c:251:VAL:HG12	2:8j:279:ILE:HD12	1.43	0.97
2:7d:77:LEU:CD1	2:7d:110:LEU:CD2	2.36	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:201:VAL:C	2:9F:193:LYS:CD	2.38	0.97
2:8g:242:LEU:CD2	2:8k:246:LYS:CG	2.42	0.97
2:8i:97:TYR:C	2:8i:110:LEU:HB2	1.90	0.97
2:1i:210:LEU:HD23	2:2e:206:VAL:HG11	0.98	0.97
2:1j:229:GLY:O	2:3j:229:GLY:N	1.98	0.97
2:2g:214:PRO:HG3	2:3i:225:MET:CG	1.94	0.97
2:2g:238:THR:O	2:4g:247:LYS:N	1.97	0.97
2:2h:251:VAL:CG1	2:4h:279:ILE:HD12	1.95	0.97
2:3l:97:TYR:C	2:3l:110:LEU:HB2	1.90	0.97
2:5g:279:ILE:HA	2:6k:248:GLY:O	1.65	0.97
2:6i:255:THR:CA	2:8o:263:VAL:HG11	1.95	0.97
2:6j:97:TYR:C	2:6j:110:LEU:HB2	1.90	0.97
2:8k:201:VAL:C	2:9G:193:LYS:CD	2.38	0.97
2:8m:131:THR:OG1	2:8q:141:PRO:HD3	1.64	0.97
2:2l:223:ARG:HH11	2:3m:227:GLY:CA	1.77	0.97
2:2m:77:LEU:HD11	2:2m:110:LEU:HD21	1.46	0.97
2:3n:97:TYR:C	2:3n:110:LEU:HB2	1.90	0.97
2:6m:251:VAL:HG13	2:8u:279:ILE:HD12	1.00	0.97
2:7l:77:LEU:HD11	2:7l:110:LEU:HD21	1.46	0.97
2:1s:263:VAL:HG22	2:3s:262:ALA:CA	1.93	0.97
2:2p:203:ASN:ND2	2:3r:212:GLY:HA2	1.77	0.97
2:8w:150:GLU:CD	2:9I:141:PRO:HB2	1.90	0.97
2:7u:77:LEU:HD11	2:7u:110:LEU:HD21	1.46	0.97
1:3I:447:GLN:NE2	2:3l:56:ASN:HD22	1.63	0.97
1:4N:203:PRO:HB3	1:4N:212:GLU:CG	1.95	0.97
1:9C:407:ASN:ND2	2:9H:46:ASP:O	1.97	0.97
2:1g:279:ILE:CA	2:3g:248:GLY:O	2.12	0.97
2:4f:58:TYR:CB	2:3l:2:MET:HE1	1.95	0.97
2:8e:253:ALA:HA	2:9O:270:ILE:HD12	1.44	0.97
2:8f:97:TYR:C	2:8f:110:LEU:HB2	1.90	0.97
2:9F:200:LEU:CD1	2:9O:200:LEU:HD13	1.93	0.97
2:4h:58:TYR:CB	2:3p:2:MET:HE1	1.95	0.97
2:8k:226:ILE:HG22	2:9G:214:PRO:HG3	1.47	0.97
2:8m:97:TYR:C	2:8m:110:LEU:HB2	1.90	0.97
2:8m:236:ALA:HA	2:9H:242:LEU:CD2	1.94	0.97
2:5i:41:TYR:CE2	2:5i:57:MET:CE	2.47	0.97
2:6o:206:VAL:HG11	2:7j:210:LEU:HD23	1.44	0.97
2:7k:77:LEU:HD12	2:7k:110:LEU:HD22	1.44	0.97
2:1s:259:VAL:HG23	2:3s:259:VAL:HG23	1.44	0.97
2:2o:19:LEU:HD12	2:2o:41:TYR:HD2	1.29	0.97
2:2r:251:VAL:CG1	2:4l:279:ILE:HD12	1.95	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:251:VAL:HG11	2:9L:279:ILE:HD12	0.99	0.97
2:7r:278:ILE:HD13	2:9L:278:ILE:HG23	0.99	0.97
2:8w:240:THR:CA	2:9I:246:LYS:HZ3	1.77	0.97
2:8y:236:ALA:HA	2:9J:242:LEU:CD2	1.94	0.97
2:8y:242:LEU:CD2	2:9M:246:LYS:CG	2.41	0.97
2:9K:61:ALA:HB1	2:7v:57:MET:CE	1.95	0.97
2:1u:97:TYR:C	2:1u:110:LEU:HB2	1.90	0.97
2:2x:77:LEU:HD11	2:2x:110:LEU:HD21	1.46	0.97
2:7x:77:LEU:HD12	2:7x:110:LEU:HD22	1.44	0.97
2:7x:77:LEU:CD1	2:7x:110:LEU:CD2	2.36	0.97
2:9M:226:ILE:HG22	2:9J:214:PRO:HG3	1.46	0.97
1:3I:444:GLY:O	2:3l:45:LYS:CG	2.12	0.97
1:1O:444:GLY:N	2:1o:45:LYS:HZ2	1.62	0.97
1:4T:203:PRO:HB3	1:4T:212:GLU:CG	1.95	0.97
1:6X:447:GLN:HA	2:6q:56:ASN:HB2	0.99	0.97
1:8S:443:SER:O	2:8w:56:ASN:ND2	1.78	0.97
1:8V:448:ALA:HB2	2:9K:41:TYR:CD2	1.97	0.97
1:9D:406:GLY:C	2:9I:45:LYS:HE2	1.90	0.97
2:1g:97:TYR:C	2:1g:110:LEU:HB2	1.90	0.97
2:1h:228:ALA:HA	2:2t:223:ARG:HD2	1.46	0.97
2:6e:255:THR:CA	2:8i:263:VAL:HG11	1.95	0.97
2:7c:251:VAL:HG11	2:8j:279:ILE:HD12	0.99	0.97
2:8e:225:MET:HG2	2:9F:214:PRO:HD2	0.98	0.97
2:2e:244:GLY:HA3	2:1p:243:GLY:N	1.80	0.97
2:6k:239:THR:HA	2:7e:247:LYS:H	1.27	0.97
2:7h:251:VAL:HG11	2:8p:279:ILE:HD12	0.99	0.97
2:8m:222:LEU:HB2	2:9H:226:ILE:HB	1.46	0.97
2:8o:120:ILE:HD13	2:7l:120:ILE:HD13	1.44	0.97
2:1o:41:TYR:CE2	2:1o:57:MET:CE	2.47	0.97
2:2l:239:THR:HG22	2:4i:247:LYS:O	1.64	0.97
2:8q:226:ILE:HG22	2:9H:214:PRO:HG3	1.46	0.97
2:8u:41:TYR:CE2	2:8u:57:MET:CE	2.47	0.97
2:2p:242:LEU:O	2:3r:234:LEU:HD21	1.57	0.97
2:4k:97:TYR:C	2:4k:110:LEU:HB2	1.90	0.97
2:6t:97:TYR:C	2:6t:110:LEU:HB2	1.90	0.97
2:7o:77:LEU:HD11	2:7o:110:LEU:HD21	1.46	0.97
2:7q:19:LEU:HD12	2:7q:41:TYR:HD2	1.29	0.97
2:8w:226:ILE:HG22	2:9I:214:PRO:HG3	1.46	0.97
2:8w:279:ILE:HG23	2:9I:273:LEU:HD23	0.97	0.97
2:1w:237:ALA:HB1	2:3w:247:LYS:N	1.80	0.97
2:1w:263:VAL:CG2	2:3w:262:ALA:CB	2.39	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:279:ILE:CA	2:3w:248:GLY:O	2.12	0.97
2:7t:77:LEU:HD12	2:7t:110:LEU:HD22	1.44	0.97
2:7t:77:LEU:HD11	2:7t:110:LEU:HD21	1.46	0.97
1:1D:448:ALA:O	2:1h:41:TYR:CE1	2.18	0.96
1:3C:447:GLN:HG2	2:3h:44:VAL:HG22	1.45	0.96
1:6B:448:ALA:HB3	2:6g:41:TYR:HE1	1.26	0.96
1:2K:444:GLY:HA3	2:2m:45:LYS:HE3	1.46	0.96
1:4c:209:ALA:HB1	1:4c:212:GLU:HG2	1.44	0.96
2:1g:234:LEU:HD11	2:3g:234:LEU:HD21	1.46	0.96
2:2a:242:LEU:HA	2:3f:245:VAL:N	1.79	0.96
2:5e:41:TYR:CE2	2:5e:57:MET:CE	2.47	0.96
2:6g:201:VAL:HA	2:7Z:197:GLN:HE21	1.27	0.96
2:6g:206:VAL:HG11	2:7Z:210:LEU:HD23	1.44	0.96
2:8e:150:GLU:CD	2:9F:141:PRO:HB2	1.90	0.96
2:8e:232:TYR:OH	2:9F:234:LEU:CB	2.12	0.96
2:8g:270:ILE:HD12	2:8k:253:ALA:HA	1.44	0.96
2:2f:203:ASN:HD22	2:3j:212:GLY:HA3	1.27	0.96
2:2i:219:LYS:HB3	2:3o:226:ILE:O	1.64	0.96
2:5g:41:TYR:CE2	2:5g:57:MET:CE	2.47	0.96
2:5g:97:TYR:C	2:5g:110:LEU:HB2	1.90	0.96
2:7e:77:LEU:HD12	2:7e:110:LEU:HD22	1.44	0.96
2:7h:19:LEU:HD12	2:7h:41:TYR:HD2	1.29	0.96
2:8m:41:TYR:CE2	2:8m:57:MET:CE	2.47	0.96
2:2j:77:LEU:HD11	2:2j:110:LEU:HD21	1.46	0.96
2:2n:234:LEU:HD21	2:3s:243:GLY:HA2	1.47	0.96
2:4i:41:TYR:CE2	2:4i:57:MET:CE	2.47	0.96
2:5i:273:LEU:HD12	2:6o:269:LEU:HD11	1.43	0.96
2:1q:236:ALA:HA	2:2o:242:LEU:HD11	1.47	0.96
2:1r:229:GLY:O	2:3r:228:ALA:CA	2.13	0.96
2:5k:41:TYR:CE2	2:5k:57:MET:CE	2.47	0.96
2:6q:251:VAL:HG22	2:9K:270:ILE:HG12	1.45	0.96
2:2t:19:LEU:HD12	2:2t:41:TYR:HD2	1.29	0.96
2:2x:19:LEU:HD12	2:2x:41:TYR:HD2	1.29	0.96
2:6w:201:VAL:HA	2:7t:197:GLN:HE21	1.27	0.96
2:9M:200:LEU:HD21	2:9J:196:LEU:HD13	1.43	0.96
1:8G:445:GLY:O	2:8k:44:VAL:CG2	2.14	0.96
1:1R:356:PRO:HG2	1:1R:369:PHE:HD2	0.94	0.96
1:8X:447:GLN:N	2:8y:42:VAL:O	1.97	0.96
1:5c:445:GLY:C	2:5m:44:VAL:CB	2.38	0.96
1:5d:419:ASP:CG	1:5d:425:LYS:HZ2	1.72	0.96
2:1g:41:TYR:CE2	2:1g:57:MET:CE	2.47	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:236:ALA:CA	2:3e:242:LEU:CD1	2.43	0.96
2:2c:77:LEU:HD11	2:2c:110:LEU:HD21	1.46	0.96
2:5f:76:ASN:HD21	2:5f:116:LYS:CD	1.79	0.96
2:8e:199:LEU:HD11	2:9F:186:ALA:HA	1.46	0.96
2:9F:19:LEU:HD12	2:9F:41:TYR:HD2	1.29	0.96
2:1k:237:ALA:HB1	2:3k:247:LYS:N	1.80	0.96
2:2e:120:ILE:HD11	2:1p:125:ILE:HG12	1.44	0.96
2:2e:209:LEU:O	2:1p:206:VAL:HG21	1.62	0.96
2:2i:259:VAL:CG2	2:3o:259:VAL:HG22	1.87	0.96
2:1n:229:GLY:O	2:3n:228:ALA:CA	2.13	0.96
2:1o:263:VAL:HG22	2:3o:262:ALA:CA	1.93	0.96
2:1p:76:ASN:HD21	2:1p:116:LYS:CD	1.79	0.96
2:4j:58:TYR:CB	2:3t:2:MET:HE1	1.95	0.96
2:6o:201:VAL:HA	2:7j:197:GLN:HE21	1.27	0.96
2:6o:242:LEU:HD22	2:7j:236:ALA:HA	1.44	0.96
2:7m:266:LEU:N	2:8v:266:LEU:CD2	2.29	0.96
2:8s:237:ALA:CB	2:8w:247:LYS:HB2	1.95	0.96
2:1r:229:GLY:O	2:3r:229:GLY:N	1.98	0.96
2:1s:97:TYR:C	2:1s:110:LEU:HB2	1.90	0.96
2:2o:244:GLY:HA3	2:1x:243:GLY:N	1.80	0.96
2:2q:247:LYS:HB3	2:3q:239:THR:HG23	1.46	0.96
2:2r:19:LEU:HD12	2:2r:41:TYR:HD2	1.29	0.96
2:6r:225:MET:O	2:5n:219:LYS:HG2	1.64	0.96
2:6s:242:LEU:HD22	2:7o:236:ALA:HA	1.44	0.96
2:7r:77:LEU:HD12	2:7r:110:LEU:HD22	1.44	0.96
2:1w:97:TYR:C	2:1w:110:LEU:HB2	1.90	0.96
2:1w:259:VAL:HG21	2:3w:259:VAL:N	1.54	0.96
2:2t:77:LEU:HD12	2:2t:110:LEU:HD22	1.44	0.96
2:2v:223:ARG:HD3	2:3u:227:GLY:O	1.62	0.96
2:6w:76:ASN:HD21	2:6w:116:LYS:CD	1.79	0.96
1:6K:445:GLY:HA2	2:6j:44:VAL:HB	1.45	0.96
1:4W:199:LYS:CB	1:4W:202:GLU:OE2	2.14	0.96
1:8X:445:GLY:C	2:8y:44:VAL:H	1.72	0.96
1:3a:447:GLN:NE2	2:3x:56:ASN:ND2	2.03	0.96
2:1e:97:TYR:C	2:1e:110:LEU:HB2	1.90	0.96
2:2a:77:LEU:HD12	2:2a:110:LEU:HD22	1.44	0.96
2:2c:228:ALA:HB2	2:3l:223:ARG:HA	1.43	0.96
2:2d:278:ILE:HD13	2:3k:278:ILE:CG2	1.93	0.96
2:5f:246:LYS:HD3	2:6v:240:THR:HA	1.47	0.96
2:7c:266:LEU:N	2:8j:266:LEU:CD2	2.29	0.96
2:8e:226:ILE:HG22	2:9F:214:PRO:HG3	1.47	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:226:ILE:HB	2:9O:222:LEU:HB2	1.46	0.96
2:1i:244:GLY:H	2:2e:242:LEU:CD1	1.78	0.96
2:2f:77:LEU:CD1	2:2f:110:LEU:CD2	2.36	0.96
2:3j:97:TYR:C	2:3j:110:LEU:HB2	1.90	0.96
2:6k:206:VAL:HG11	2:7e:210:LEU:HD23	1.44	0.96
2:7h:77:LEU:HD12	2:7h:110:LEU:HD22	1.44	0.96
2:8k:242:LEU:HD22	2:9G:236:ALA:HB2	1.44	0.96
2:8m:200:LEU:HD12	2:9H:200:LEU:HD22	1.47	0.96
2:8m:237:ALA:CB	2:8q:247:LYS:HB2	1.95	0.96
2:2j:223:ARG:HD3	2:1t:228:ALA:HA	1.48	0.96
2:2l:223:ARG:HD3	2:3m:227:GLY:O	1.62	0.96
2:2n:77:LEU:HD12	2:2n:110:LEU:HD22	1.44	0.96
2:2n:219:LYS:HB3	2:3s:226:ILE:O	1.64	0.96
2:3p:41:TYR:CE2	2:3p:57:MET:CE	2.47	0.96
2:6n:200:LEU:HD22	2:5l:200:LEU:CD1	1.93	0.96
2:8q:154:ALA:HB1	2:9H:158[B]:ILE:HD12	1.45	0.96
2:8t:76:ASN:HD21	2:8t:116:LYS:CD	1.79	0.96
2:1s:269:LEU:CD2	2:3s:269:LEU:HD23	1.95	0.96
2:2q:223:ARG:HH11	2:3q:227:GLY:CA	1.77	0.96
2:2q:234:LEU:HD21	2:3q:243:GLY:HA2	1.46	0.96
2:2q:236:ALA:CA	2:3q:242:LEU:CD1	2.43	0.96
2:2s:259:VAL:HG22	2:3w:259:VAL:HG22	0.98	0.96
2:6t:263:VAL:HG21	2:9L:256:ALA:HB3	1.45	0.96
2:7o:19:LEU:HD12	2:7o:41:TYR:HD2	1.29	0.96
2:8w:243:GLY:CA	2:9I:234:LEU:CD2	2.44	0.96
2:8y:120:ILE:HD11	2:9J:120:ILE:CD1	1.94	0.96
2:8y:200:LEU:HD12	2:9J:200:LEU:HD22	1.47	0.96
2:7u:19:LEU:HD12	2:7u:41:TYR:HD2	1.29	0.96
2:7w:19:LEU:HD12	2:7w:41:TYR:HD2	1.29	0.96
2:9M:200:LEU:HD23	2:9J:196:LEU:HD13	1.33	0.96
2:9M:226:ILE:CA	2:9J:219:LYS:CG	2.28	0.96
1:1D:445:GLY:O	2:1h:44:VAL:HG22	1.63	0.96
1:3U:447:GLN:HE22	2:3t:56:ASN:ND2	1.62	0.96
1:4d:445:GLY:N	2:4n:44:VAL:HG22	1.80	0.96
1:7W:201:ASP:OD2	1:7W:202:GLU:O	1.82	0.96
2:2Z:120:ILE:HD11	2:1l:125:ILE:HG12	1.44	0.96
2:2Z:210:LEU:HD23	2:1l:206:VAL:CG1	1.95	0.96
2:2a:227:GLY:CA	2:3f:223:ARG:NH1	2.09	0.96
2:3h:210:LEU:CD2	2:2w:201:VAL:HG11	1.95	0.96
2:7b:77:LEU:CD1	2:7b:110:LEU:CD2	2.36	0.96
2:7c:266:LEU:HA	2:8j:266:LEU:HD11	1.45	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:243:GLY:HA2	2:9F:234:LEU:HD23	0.97	0.96
2:8f:41:TYR:CE2	2:8f:57:MET:CE	2.47	0.96
2:2i:234:LEU:HB2	2:3o:232:TYR:OH	1.64	0.96
2:3i:76:ASN:HD21	2:3i:116:LYS:CD	1.78	0.96
2:5h:242:LEU:HD22	2:7f:244:GLY:O	1.66	0.96
2:6i:247:LYS:CD	2:8o:277:GLY:O	2.12	0.96
2:6k:206:VAL:HG21	2:7e:209:LEU:O	1.63	0.96
2:9G:19:LEU:HD12	2:9G:41:TYR:HD2	1.29	0.96
2:1o:149[B]:ILE:HG23	2:3o:158[B]:ILE:CG2	1.96	0.96
2:1o:237:ALA:HB1	2:3o:247:LYS:N	1.80	0.96
2:2l:214:PRO:HG3	2:3m:225:MET:CG	1.95	0.96
2:2m:251:VAL:CG1	2:4j:279:ILE:HD12	1.95	0.96
2:8q:243:GLY:CA	2:9H:234:LEU:CD2	2.44	0.96
2:8r:97:TYR:C	2:8r:110:LEU:HB2	1.90	0.96
2:8s:97:TYR:C	2:8s:110:LEU:HB2	1.90	0.96
2:8s:242:LEU:CD2	2:8w:246:LYS:CG	2.42	0.96
2:1s:237:ALA:HB1	2:3s:247:LYS:N	1.80	0.96
2:2q:77:LEU:CD1	2:2q:110:LEU:CD2	2.36	0.96
2:1w:259:VAL:HG23	2:3w:259:VAL:HG23	1.44	0.96
2:4m:41:TYR:CE2	2:4m:57:MET:CE	2.47	0.96
2:6u:247:LYS:CD	2:9Q:277:GLY:O	2.12	0.96
2:6u:251:VAL:CG2	2:9Q:270:ILE:HG12	1.96	0.96
1:4K:199:LYS:CB	1:4K:202:GLU:OE2	2.14	0.96
1:6R:445:GLY:C	2:6m:44:VAL:CG2	2.38	0.96
1:6R:445:GLY:O	2:6m:44:VAL:CG2	2.13	0.96
1:6X:447:GLN:HE22	2:6q:56:ASN:HD21	1.07	0.96
1:8S:392:THR:HG22	2:8w:107:LEU:CD1	1.94	0.96
1:9D:397:THR:CA	2:9I:107:LEU:HB2	1.96	0.96
1:4Z:203:PRO:HB3	1:4Z:212:GLU:CG	1.95	0.96
2:1h:239:THR:HG23	2:2t:247:LYS:CB	1.95	0.96
2:2Z:247:LYS:H	2:1l:239:THR:N	1.62	0.96
2:2b:214:PRO:HG3	2:3e:225:MET:CG	1.95	0.96
2:2c:77:LEU:HD12	2:2c:110:LEU:HD22	1.44	0.96
2:7Z:77:LEU:HD12	2:7Z:110:LEU:HD22	1.44	0.96
2:7d:77:LEU:HD11	2:7d:110:LEU:HD21	1.46	0.96
2:2g:223:ARG:HH11	2:3i:227:GLY:CA	1.77	0.96
2:7e:19:LEU:HD12	2:7e:41:TYR:HD2	1.29	0.96
2:7g:19:LEU:HD12	2:7g:41:TYR:HD2	1.29	0.96
2:8k:225:MET:HG2	2:9G:214:PRO:HD2	0.98	0.96
2:8k:280:SER:HB2	2:9G:249:ALA:HA	0.99	0.96
2:8l:97:TYR:C	2:8l:110:LEU:HB2	1.90	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:279:ILE:CA	2:3o:248:GLY:O	2.12	0.96
2:2k:77:LEU:HD11	2:2k:110:LEU:HD21	1.46	0.96
2:6o:239:THR:HA	2:7j:247:LYS:H	1.27	0.96
2:7m:251:VAL:HG11	2:8v:279:ILE:HD12	0.99	0.96
2:8s:212:GLY:HA3	2:9I:203:ASN:ND2	1.78	0.96
2:8t:242:LEU:HD22	2:7s:244:GLY:HA3	1.44	0.96
2:1r:247:LYS:HB2	2:3r:239:THR:N	1.73	0.96
2:1s:279:ILE:CA	2:3s:248:GLY:O	2.12	0.96
2:2q:19:LEU:HD12	2:2q:41:TYR:HD2	1.29	0.96
2:5k:97:TYR:C	2:5k:110:LEU:HB2	1.90	0.96
2:6q:247:LYS:CD	2:9K:277:GLY:O	2.12	0.96
2:6s:239:THR:CA	2:7o:247:LYS:H	1.78	0.96
2:2u:77:LEU:HD11	2:2u:110:LEU:HD21	1.46	0.96
2:2v:77:LEU:CD1	2:2v:110:LEU:CD2	2.36	0.96
2:2v:236:ALA:CA	2:3u:242:LEU:CD1	2.43	0.96
2:4n:76:ASN:HD21	2:4n:116:LYS:CD	1.79	0.96
2:9M:243:GLY:CA	2:9J:234:LEU:HD23	1.94	0.96
1:3I:447:GLN:NE2	2:3l:44:VAL:HG21	1.79	0.96
1:3O:447:GLN:NE2	2:3p:44:VAL:HG21	1.80	0.96
2:6f:240:THR:HA	2:5h:246:LYS:HD3	1.47	0.96
2:2g:239:THR:HG22	2:4g:247:LYS:O	1.64	0.96
2:6j:225:MET:O	2:5j:219:LYS:HG2	1.64	0.96
2:8k:200:LEU:CA	2:9G:193:LYS:HG2	1.82	0.96
2:1m:97:TYR:C	2:1m:110:LEU:HB2	1.90	0.96
2:1o:269:LEU:CD2	2:3o:269:LEU:HD23	1.95	0.96
2:2k:239:THR:CB	2:3n:247:LYS:HB3	1.79	0.96
2:2l:236:ALA:CA	2:3m:242:LEU:CD1	2.43	0.96
2:2m:77:LEU:CD1	2:2m:110:LEU:CD2	2.36	0.96
2:5j:242:LEU:HD22	2:7k:244:GLY:O	1.66	0.96
2:7r:251:VAL:HG12	2:9L:279:ILE:HD12	1.43	0.96
2:8w:243:GLY:CA	2:9I:234:LEU:HD23	1.94	0.96
2:8z:76:ASN:HD21	2:8z:116:LYS:CD	1.79	0.96
2:9I:77:LEU:HD11	2:9I:110:LEU:HD21	1.46	0.96
2:2v:234:LEU:HD21	2:3u:242:LEU:C	1.91	0.96
2:7w:266:LEU:N	2:9R:266:LEU:CD2	2.29	0.96
2:9M:154:ALA:HB1	2:9J:158[B]:ILE:HD12	1.45	0.96
1:1C:444:GLY:H	2:1g:45:LYS:CE	1.79	0.96
1:4B:203:PRO:HB3	1:4B:212:GLU:HG2	1.44	0.96
1:8A:444:GLY:CA	2:8e:56:ASN:OD1	2.14	0.96
1:7H:447:GLN:C	2:7f:41:TYR:CE1	2.44	0.96
2:1e:222:LEU:HB3	2:2Z:226:ILE:HG22	1.01	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:236:ALA:HA	2:2Z:242:LEU:HD11	1.47	0.96
2:1g:267:ASN:OD1	2:3g:254:SER:CA	2.09	0.96
2:1h:228:ALA:HA	2:2t:223:ARG:HD3	1.48	0.96
2:3h:2:MET:HE1	2:4n:58:TYR:CB	1.95	0.96
2:6e:251:VAL:HG13	2:8i:279:ILE:HD12	1.00	0.96
2:8e:243:GLY:CA	2:9F:234:LEU:HD23	1.94	0.96
2:8e:247:LYS:HB2	2:9O:237:ALA:CB	1.95	0.96
2:8g:97:TYR:C	2:8g:110:LEU:HB2	1.90	0.96
2:8g:222:LEU:CB	2:9G:226:ILE:CB	2.44	0.96
2:8i:41:TYR:CE2	2:8i:57:MET:CE	2.47	0.96
2:1k:279:ILE:CA	2:3k:248:GLY:O	2.12	0.96
2:1l:76:ASN:HD21	2:1l:116:LYS:CD	1.79	0.96
2:2f:77:LEU:HD12	2:2f:110:LEU:HD22	1.44	0.96
2:2h:203:ASN:ND2	2:3p:212:GLY:CA	1.86	0.96
2:4g:41:TYR:CE2	2:4g:57:MET:CE	2.47	0.96
2:6i:251:VAL:HG13	2:8o:279:ILE:HD13	1.25	0.96
2:8k:201:VAL:CA	2:9G:193:LYS:CD	2.42	0.96
2:8m:173:LEU:O	2:8q:167:LYS:HE3	1.66	0.96
2:8o:97:TYR:C	2:8o:110:LEU:HB2	1.90	0.96
2:1m:236:ALA:HA	2:2j:242:LEU:HD11	1.47	0.96
2:2l:19:LEU:HD12	2:2l:41:TYR:HD2	1.29	0.96
2:6n:97:TYR:C	2:6n:110:LEU:HB2	1.90	0.96
2:8q:225:MET:HG2	2:9H:214:PRO:HD2	0.98	0.96
2:2r:201:VAL:HG11	2:3x:210:LEU:CD2	1.95	0.96
2:6q:251:VAL:HG13	2:9K:279:ILE:HD12	1.00	0.96
2:6q:251:VAL:CG2	2:9K:270:ILE:HG12	1.96	0.96
2:6q:255:THR:CA	2:9K:263:VAL:HG11	1.95	0.96
2:8w:154:ALA:HB1	2:9I:158[B]:ILE:HD12	1.46	0.96
2:2u:203:ASN:HD22	2:3v:212:GLY:HA3	1.27	0.96
2:3u:76:ASN:HD21	2:3u:116:LYS:CD	1.78	0.96
2:9M:199:LEU:HD11	2:9J:186:ALA:HA	1.46	0.96
2:9M:210:LEU:HD21	2:9J:210:LEU:HD22	1.42	0.96
2:9M:279:ILE:HG23	2:9J:273:LEU:HD23	0.97	0.96
2:9Q:97:TYR:C	2:9Q:110:LEU:HB2	1.90	0.96
1:5K:447:GLN:HG3	2:5g:44:VAL:CG2	1.96	0.96
1:6H:445:GLY:C	2:6k:44:VAL:HG22	1.89	0.96
1:4Q:209:ALA:HB1	1:4Q:212:GLU:HG2	1.44	0.96
1:6d:447:GLN:HA	2:6u:56:ASN:HB3	1.43	0.96
2:2d:279:ILE:HD12	2:1k:251:VAL:CG1	1.96	0.96
2:4e:97:TYR:C	2:4e:110:LEU:HB2	1.90	0.96
2:6e:251:VAL:CG2	2:8i:270:ILE:HG12	1.96	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:234:LEU:CD2	2:9G:242:LEU:C	2.23	0.96
2:8g:236:ALA:HA	2:9G:242:LEU:CD2	1.94	0.96
2:9F:199:LEU:HD12	2:9O:183:PHE:CE1	2.01	0.96
2:2e:223:ARG:HD3	2:1p:228:ALA:HA	1.48	0.96
2:8k:278:ILE:HG21	2:9G:278:ILE:HG23	1.47	0.96
2:8n:76:ASN:HD21	2:8n:116:LYS:CD	1.79	0.96
2:6m:76:ASN:HD21	2:6m:116:LYS:CD	1.79	0.96
2:8q:279:ILE:HG23	2:9H:273:LEU:HD23	0.97	0.96
2:8s:247:LYS:CB	2:9I:239:THR:N	2.21	0.96
2:1s:149[B]:ILE:HG23	2:3s:158[B]:ILE:CG2	1.96	0.96
2:1s:234:LEU:HD13	2:3s:234:LEU:HD13	1.46	0.96
2:1t:76:ASN:HD21	2:1t:116:LYS:CD	1.79	0.96
2:2o:210:LEU:HD23	2:1x:206:VAL:CG1	1.94	0.96
2:8y:173:LEU:O	2:9M:167:LYS:HE3	1.66	0.96
2:1w:270:ILE:HG21	2:3w:251:VAL:CG2	1.77	0.96
2:3v:41:TYR:CE2	2:3v:57:MET:CE	2.47	0.96
2:5m:278:ILE:HG23	2:6w:278:ILE:HD13	1.46	0.96
2:5n:76:ASN:HD21	2:5n:116:LYS:CD	1.79	0.96
2:6v:97:TYR:C	2:6v:110:LEU:HB2	1.90	0.96
2:7w:251:VAL:HG11	2:9R:279:ILE:HD12	0.99	0.96
2:9M:201:VAL:C	2:9J:193:LYS:CD	2.38	0.96
2:9M:270:ILE:HA	2:9J:269:LEU:HD11	1.45	0.96
1:2C:28:GLN:HE22	2:4f:27:ILE:CD1	1.76	0.96
1:7B:446:ALA:O	2:7b:55:VAL:HA	1.64	0.96
1:4H:203:PRO:HB3	1:4H:212:GLU:CG	1.95	0.96
1:8H:443:SER:HA	2:8l:45:LYS:NZ	1.81	0.96
1:6W:446:ALA:H	2:6r:44:VAL:H	1.08	0.96
2:2b:77:LEU:CD1	2:2b:110:LEU:CD2	2.36	0.96
2:2b:247:LYS:HB3	2:3e:239:THR:HG23	1.46	0.96
2:3g:232:TYR:OH	2:2x:234:LEU:HB2	1.64	0.96
2:4f:76:ASN:HD21	2:4f:116:LYS:CD	1.79	0.96
2:5f:242:LEU:HD22	2:7a:244:GLY:O	1.66	0.96
2:8e:270:ILE:HD13	2:9F:269:LEU:HB2	1.48	0.96
2:8e:270:ILE:HA	2:9F:269:LEU:HD11	1.45	0.96
2:2g:77:LEU:HD12	2:2g:110:LEU:HD22	1.44	0.96
2:2g:234:LEU:HD21	2:3i:243:GLY:HA2	1.46	0.96
2:2g:236:ALA:CA	2:3i:242:LEU:CD1	2.43	0.96
2:2h:201:VAL:HG11	2:3p:210:LEU:CD2	1.95	0.96
2:3i:247:LYS:O	2:4g:239:THR:HG22	1.66	0.96
2:7g:77:LEU:HD11	2:7g:110:LEU:HD21	1.46	0.96
2:7h:266:LEU:N	2:8p:266:LEU:CD2	2.29	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:229:GLY:O	2:3n:229:GLY:N	1.98	0.96
2:1o:234:LEU:HD12	2:3o:234:LEU:CD2	1.89	0.96
2:2k:203:ASN:HD22	2:3n:212:GLY:HA3	1.28	0.96
2:2k:239:THR:HG23	2:3n:247:LYS:HG2	1.43	0.96
2:5i:278:ILE:HG23	2:6o:278:ILE:HD13	1.46	0.96
2:6n:225:MET:O	2:5l:219:LYS:HG2	1.64	0.96
2:8q:240:THR:CA	2:9H:246:LYS:HZ3	1.78	0.96
2:2o:223:ARG:HD3	2:1x:228:ALA:HA	1.48	0.96
2:3r:97:TYR:C	2:3r:110:LEU:HB2	1.90	0.96
2:6r:240:THR:HA	2:5n:246:LYS:HD3	1.47	0.96
2:8y:97:TYR:C	2:8y:110:LEU:HB2	1.90	0.96
2:8z:242:LEU:HD22	2:7x:244:GLY:HA3	1.43	0.96
2:9L:76:ASN:HD21	2:9L:116:LYS:CD	1.79	0.96
2:1x:76:ASN:HD21	2:1x:116:LYS:CD	1.79	0.96
2:2v:223:ARG:HG2	2:3u:228:ALA:HB2	1.48	0.96
2:3x:97:TYR:C	2:3x:110:LEU:HB2	1.90	0.96
2:5m:279:ILE:HA	2:6w:248:GLY:O	1.65	0.96
2:6u:255:THR:CA	2:9Q:263:VAL:HG11	1.95	0.96
2:9M:76:ASN:HD21	2:9M:116:LYS:CD	1.78	0.96
1:3C:447:GLN:CG	2:3h:44:VAL:CG2	2.44	0.96
1:7R:201:ASP:OD2	1:7R:202:GLU:O	1.82	0.96
2:1g:279:ILE:HA	2:3g:248:GLY:O	1.66	0.96
2:2Z:234:LEU:HD21	2:1l:243:GLY:HA2	1.48	0.96
2:2a:226:ILE:HG21	2:3f:222:LEU:HB3	0.96	0.96
2:6g:227:GLY:HA3	2:7Z:223:ARG:NH1	1.81	0.96
2:6h:97:TYR:C	2:6h:110:LEU:HB2	1.90	0.96
2:8e:200:LEU:HD21	2:9F:196:LEU:HD13	1.43	0.96
2:9F:77:LEU:HD12	2:9F:110:LEU:HD22	1.44	0.96
2:1k:97:TYR:C	2:1k:110:LEU:HB2	1.90	0.96
2:2i:77:LEU:HD12	2:2i:110:LEU:HD22	1.44	0.96
2:5h:76:ASN:HD21	2:5h:116:LYS:CD	1.79	0.96
2:6l:41:TYR:CE2	2:6l:57:MET:CE	2.47	0.96
2:7h:278:ILE:CD1	2:8p:278:ILE:CG2	2.40	0.96
2:1m:210:LEU:HD23	2:2j:206:VAL:HG11	0.98	0.96
2:2n:259:VAL:CG2	2:3s:259:VAL:HG22	1.87	0.96
2:3m:247:LYS:O	2:4i:239:THR:HG22	1.65	0.96
2:8q:243:GLY:HA2	2:9H:234:LEU:HD23	0.98	0.96
2:8q:280:SER:HB2	2:9H:249:ALA:HA	0.99	0.96
2:8u:97:TYR:C	2:8u:110:LEU:HB2	1.90	0.96
2:2o:247:LYS:CB	2:1x:239:THR:HG23	1.95	0.96
2:2o:273:LEU:CD2	2:1x:279:ILE:CG2	2.44	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:244:GLY:CA	2:3q:243:GLY:H	1.78	0.96
2:2q:247:LYS:N	2:3q:238:THR:C	2.24	0.96
2:3s:76:ASN:HD21	2:3s:116:LYS:CD	1.79	0.96
2:8w:201:VAL:C	2:9I:193:LYS:CD	2.38	0.96
2:8x:97:TYR:C	2:8x:110:LEU:HB2	1.90	0.96
2:8y:183:PHE:CE1	2:9J:199:LEU:HD12	2.01	0.96
2:9K:97:TYR:C	2:9K:110:LEU:HB2	1.90	0.96
2:2w:77:LEU:HD11	2:2w:110:LEU:HD21	1.46	0.96
2:3u:247:LYS:O	2:4m:239:THR:HG22	1.66	0.96
2:5m:41:TYR:CE2	2:5m:57:MET:CE	2.47	0.96
2:6v:41:TYR:CE2	2:6v:57:MET:CE	2.47	0.96
2:7w:77:LEU:HD12	2:7w:110:LEU:HD22	1.44	0.96
2:9M:200:LEU:CD2	2:9J:196:LEU:CD1	2.35	0.96
2:9M:201:VAL:CA	2:9J:193:LYS:CD	2.42	0.96
1:4E:199:LYS:CB	1:4E:202:GLU:OE2	2.14	0.95
1:8B:447:GLN:HG2	2:8f:44:VAL:HG23	1.43	0.95
2:2Z:244:GLY:HA3	2:1I:243:GLY:N	1.80	0.95
2:2a:201:VAL:HG21	2:3f:210:LEU:HD22	1.48	0.95
2:2c:251:VAL:CG1	2:4f:279:ILE:HD12	1.95	0.95
2:3e:246:LYS:CE	2:4e:240:THR:O	2.14	0.95
2:3f:97:TYR:C	2:3f:110:LEU:HB2	1.90	0.95
2:3g:76:ASN:HD21	2:3g:116:LYS:CD	1.79	0.95
2:6e:251:VAL:HG22	2:8i:270:ILE:HG12	1.45	0.95
2:7a:19:LEU:HD12	2:7a:41:TYR:HD2	1.29	0.95
2:8g:173:LEU:O	2:8k:167:LYS:HE3	1.66	0.95
2:8g:222:LEU:HB2	2:9G:226:ILE:HB	1.46	0.95
2:8h:76:ASN:HD21	2:8h:116:LYS:CD	1.79	0.95
2:2g:209:LEU:O	2:3i:206:VAL:CG2	2.14	0.95
2:8k:150:GLU:CD	2:9G:141:PRO:HB2	1.90	0.95
2:8k:154:ALA:HB1	2:9G:158[B]:ILE:HD12	1.45	0.95
2:8k:243:GLY:HA2	2:9G:234:LEU:HD23	0.98	0.95
2:8k:279:ILE:HG23	2:9G:273:LEU:HD23	0.97	0.95
2:8m:183:PHE:CE1	2:9H:199:LEU:HD12	2.01	0.95
2:2j:273:LEU:CD2	2:1t:279:ILE:CG2	2.44	0.95
2:2l:209:LEU:O	2:3m:206:VAL:CG2	2.14	0.95
2:2l:234:LEU:HD21	2:3m:243:GLY:HA2	1.46	0.95
2:2l:244:GLY:CA	2:3m:243:GLY:H	1.78	0.95
2:2l:247:LYS:N	2:3m:238:THR:C	2.24	0.95
2:7m:251:VAL:HG12	2:8v:279:ILE:HD12	1.43	0.95
2:8s:173:LEU:O	2:8w:167:LYS:HE3	1.66	0.95
2:8u:73:VAL:HG11	2:7q:27:ILE:HA	1.48	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:203:ASN:HD22	2:3r:212:GLY:HA3	1.28	0.95
2:2q:214:PRO:HG3	2:3q:225:MET:CG	1.95	0.95
2:4k:41:TYR:CE2	2:4k:57:MET:CE	2.47	0.95
2:4l:58:TYR:CB	2:3x:2:MET:HE1	1.95	0.95
2:7r:250:ALA:N	2:9L:280:SER:HB2	1.81	0.95
2:8w:243:GLY:HA2	2:9I:234:LEU:HD23	0.98	0.95
2:2u:242:LEU:CB	2:3v:244:GLY:CA	2.12	0.95
2:3v:97:TYR:C	2:3v:110:LEU:HB2	1.90	0.95
2:7t:77:LEU:CD1	2:7t:110:LEU:CD2	2.36	0.95
1:4L:443:SER:HA	2:4h:56:ASN:ND2	1.81	0.95
1:3O:448:ALA:HB3	2:3p:41:TYR:CD2	2.01	0.95
1:6W:444:GLY:HA2	2:6r:45:LYS:HD2	1.48	0.95
2:1h:243:GLY:N	2:2t:244:GLY:HA3	1.80	0.95
2:2d:77:LEU:HD11	2:2d:110:LEU:HD21	1.46	0.95
2:8g:237:ALA:CB	2:8k:247:LYS:HB2	1.95	0.95
2:1j:76:ASN:HD21	2:1j:116:LYS:CD	1.79	0.95
2:1k:273:LEU:CD1	2:3k:273:LEU:HD11	1.96	0.95
2:1n:247:LYS:HB2	2:3n:239:THR:N	1.73	0.95
2:2k:77:LEU:HD12	2:2k:110:LEU:HD22	1.44	0.95
2:2l:77:LEU:CD1	2:2l:110:LEU:CD2	2.36	0.95
2:6m:251:VAL:CG2	2:8u:270:ILE:HG12	1.96	0.95
2:7l:77:LEU:CD1	2:7l:110:LEU:CD2	2.36	0.95
2:8s:246:LYS:HB3	2:9I:239:THR:O	0.77	0.95
2:2p:19:LEU:HD12	2:2p:41:TYR:HD2	1.29	0.95
2:2r:226:ILE:O	2:3x:223:ARG:HG3	1.66	0.95
2:6s:227:GLY:HA3	2:7o:223:ARG:NH1	1.81	0.95
2:8x:41:TYR:CE2	2:8x:57:MET:CE	2.47	0.95
2:9I:77:LEU:HD12	2:9I:110:LEU:HD22	1.44	0.95
2:1v:229:GLY:O	2:3v:228:ALA:CA	2.13	0.95
2:1v:229:GLY:O	2:3v:229:GLY:N	1.98	0.95
2:2v:247:LYS:N	2:3u:238:THR:C	2.24	0.95
2:2w:19:LEU:HD12	2:2w:41:TYR:HD2	1.29	0.95
2:6w:227:GLY:HA3	2:7t:223:ARG:NH1	1.81	0.95
1:2C:28:GLN:NE2	2:4f:27:ILE:HD11	1.81	0.95
1:7E:447:GLN:CA	2:7c:41:TYR:CE1	2.43	0.95
1:8Q:444:GLY:O	2:8t:53:THR:OG1	1.84	0.95
1:4T:203:PRO:HB3	1:4T:212:GLU:HG2	1.44	0.95
1:2Y:447:GLN:C	2:2x:41:TYR:CD1	2.43	0.95
1:8Z:448:ALA:HB2	2:9N:41:TYR:CD2	2.00	0.95
2:2Z:223:ARG:HD3	2:1l:228:ALA:HA	1.48	0.95
2:2Z:247:LYS:CB	2:1l:239:THR:HG23	1.95	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:250:ALA:N	2:8j:280:SER:HB2	1.81	0.95
2:8g:183:PHE:CE1	2:9G:199:LEU:HD12	2.01	0.95
2:8i:73:VAL:HG11	2:7g:27:ILE:HA	1.48	0.95
2:2f:77:LEU:HD11	2:2f:110:LEU:HD21	1.46	0.95
2:2g:244:GLY:CA	2:3i:243:GLY:H	1.78	0.95
2:3i:246:LYS:CE	2:4g:240:THR:O	2.14	0.95
2:3k:76:ASN:HD21	2:3k:116:LYS:CD	1.79	0.95
2:6i:251:VAL:CG2	2:8o:270:ILE:HG12	1.96	0.95
2:6l:97:TYR:C	2:6l:110:LEU:HB2	1.90	0.95
2:8k:200:LEU:HD23	2:9G:196:LEU:HD13	1.33	0.95
2:1o:234:LEU:HD13	2:3o:234:LEU:HD13	1.46	0.95
2:2j:223:ARG:HD2	2:1t:228:ALA:HA	1.46	0.95
2:2k:77:LEU:CD1	2:2k:110:LEU:CD2	2.36	0.95
2:2n:259:VAL:HG22	2:3s:259:VAL:HG22	0.98	0.95
2:3p:97:TYR:C	2:3p:110:LEU:HB2	1.90	0.95
2:6o:76:ASN:HD21	2:6o:116:LYS:CD	1.79	0.95
2:7m:266:LEU:HA	2:8v:266:LEU:HD11	1.45	0.95
2:8s:236:ALA:HA	2:9I:242:LEU:CD2	1.94	0.95
2:8t:228:ALA:HB1	2:7s:228:ALA:HB1	1.48	0.95
2:1s:279:ILE:HA	2:3s:248:GLY:O	1.66	0.95
2:2s:19:LEU:HD12	2:2s:41:TYR:HD2	1.29	0.95
2:3q:247:LYS:O	2:4k:239:THR:HG22	1.66	0.95
2:6r:97:TYR:C	2:6r:110:LEU:HB2	1.90	0.95
2:8w:201:VAL:HG22	2:9I:197:GLN:HE21	1.15	0.95
2:8y:236:ALA:HA	2:9J:242:LEU:HD11	1.45	0.95
2:1u:41:TYR:CE2	2:1u:57:MET:CE	2.47	0.95
2:1u:111:VAL:HG22	2:2t:57:MET:HE2	1.48	0.95
2:1w:269:LEU:CD2	2:3w:269:LEU:HD23	1.95	0.95
2:2u:226:ILE:HG21	2:3v:222:LEU:HB3	0.96	0.95
2:2v:77:LEU:HD11	2:2v:110:LEU:HD21	1.46	0.95
2:2v:214:PRO:HG3	2:3u:225:MET:CG	1.94	0.95
2:6u:76:ASN:HD21	2:6u:116:LYS:CD	1.79	0.95
2:7u:77:LEU:HD12	2:7u:110:LEU:HD22	1.44	0.95
2:9N:41:TYR:CE2	2:9N:57:MET:CE	2.47	0.95
1:8L:443:SER:HA	2:8m:45:LYS:HZ3	1.30	0.95
1:5W:199:LYS:HG2	1:5W:202:GLU:HG3	1.42	0.95
2:1g:269:LEU:CD2	2:3g:269:LEU:HD23	1.95	0.95
2:1h:118:ILE:HG12	2:1h:120:ILE:HG23	1.49	0.95
2:2a:203:ASN:ND2	2:3f:212:GLY:CA	2.30	0.95
2:2b:247:LYS:N	2:3e:238:THR:C	2.24	0.95
2:2d:148[B]:ILE:HD12	2:1k:148[B]:ILE:HD11	1.46	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3e:76:ASN:HD21	2:3e:116:LYS:CD	1.78	0.95
2:3e:247:LYS:O	2:4e:239:THR:HG22	1.66	0.95
2:6g:239:THR:CA	2:7Z:247:LYS:H	1.78	0.95
2:6g:242:LEU:HD22	2:7Z:236:ALA:HA	1.44	0.95
2:8e:154:ALA:HB1	2:9F:158[B]:ILE:HD12	1.45	0.95
2:2i:148[B]:ILE:CD1	2:3o:148[B]:ILE:HD12	1.96	0.95
2:2i:279:ILE:HD12	2:1o:251:VAL:CG1	1.96	0.95
2:4g:97:TYR:C	2:4g:110:LEU:HB2	1.90	0.95
2:6k:76:ASN:HD21	2:6k:116:LYS:CD	1.79	0.95
2:6k:238:THR:O	2:7e:246:LYS:CA	2.14	0.95
2:1o:279:ILE:HA	2:3o:248:GLY:O	1.66	0.95
2:2j:232:TYR:HE2	2:1t:232:TYR:HH	0.97	0.95
2:6m:125:ILE:HG12	2:7q:120:ILE:HD11	1.49	0.95
2:7j:19:LEU:HD12	2:7j:41:TYR:HD2	1.29	0.95
2:8u:61:ALA:HB1	2:7q:57:MET:CE	1.95	0.95
2:2q:234:LEU:HD21	2:3q:242:LEU:C	1.91	0.95
2:2r:251:VAL:HG13	2:4l:279:ILE:HD12	1.48	0.95
2:7q:77:LEU:HD11	2:7q:110:LEU:HD21	1.46	0.95
2:8w:200:LEU:CA	2:9I:193:LYS:HG2	1.82	0.95
2:8y:246:LYS:HB3	2:9J:239:THR:O	0.77	0.95
2:1w:41:TYR:CE2	2:1w:57:MET:CE	2.47	0.95
2:2v:197:GLN:NE2	2:3u:201:VAL:HA	1.81	0.95
2:6w:228:ALA:N	2:7t:223:ARG:HD3	1.81	0.95
2:7v:77:LEU:HD12	2:7v:110:LEU:HD22	1.44	0.95
2:9N:97:TYR:C	2:9N:110:LEU:HB2	1.90	0.95
1:7C:28:GLN:CG	2:9P:52:LEU:HD11	1.96	0.95
1:7S:392:THR:HB	2:7o:46:ASP:CG	1.91	0.95
1:4c:201:ASP:OD2	1:4c:343:SER:HB2	1.67	0.95
2:2b:234:LEU:HD21	2:3e:243:GLY:HA2	1.46	0.95
2:2c:201:VAL:HG11	2:3l:210:LEU:CD2	1.95	0.95
2:7b:57:MET:CE	2:9Q:61:ALA:HB1	1.95	0.95
2:1i:111:VAL:HG22	2:2e:57:MET:HE2	1.48	0.95
2:1j:229:GLY:O	2:3j:228:ALA:CA	2.13	0.95
2:1k:149[B]:ILE:HG23	2:3k:158[B]:ILE:CG2	1.96	0.95
2:2i:77:LEU:HD11	2:2i:110:LEU:HD21	1.46	0.95
2:3l:41:TYR:CE2	2:3l:57:MET:CE	2.47	0.95
2:7h:250:ALA:N	2:8p:280:SER:HB2	1.81	0.95
2:2k:19:LEU:HD12	2:2k:41:TYR:HD2	1.29	0.95
2:2m:226:ILE:O	2:3t:223:ARG:HG3	1.66	0.95
2:7k:77:LEU:HD11	2:7k:110:LEU:HD21	1.46	0.95
2:7m:266:LEU:N	2:8v:266:LEU:HD21	1.81	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1t:118:ILE:HG12	2:1t:120:ILE:HG23	1.49	0.95
2:2p:226:ILE:HG21	2:3r:222:LEU:HB3	0.96	0.95
2:2q:223:ARG:HG2	2:3q:228:ALA:HB2	1.48	0.95
2:1w:259:VAL:HG22	2:3w:259:VAL:HG23	1.37	0.95
2:2v:244:GLY:CA	2:3u:243:GLY:H	1.78	0.95
2:6w:242:LEU:HD22	2:7t:236:ALA:HA	1.44	0.95
2:9O:97:TYR:C	2:9O:110:LEU:HB2	1.90	0.95
1:3U:443:SER:N	2:3t:45:LYS:HZ1	1.65	0.95
1:6T:393:GLY:HA2	2:6s:107:LEU:HD12	1.45	0.95
1:8b:445:GLY:C	2:9Q:45:LYS:H	1.73	0.95
2:1f:229:GLY:O	2:3f:228:ALA:CA	2.13	0.95
2:1g:273:LEU:CD1	2:3g:273:LEU:HD11	1.96	0.95
2:5e:97:TYR:C	2:5e:110:LEU:HB2	1.90	0.95
2:8h:118:ILE:HG12	2:8h:120:ILE:HG23	1.49	0.95
2:8h:228:ALA:HB1	2:7i:228:ALA:HB1	1.49	0.95
2:6k:201:VAL:HA	2:7e:197:GLN:HE21	1.27	0.95
2:3m:76:ASN:HD21	2:3m:116:LYS:CD	1.79	0.95
2:4i:97:TYR:C	2:4i:110:LEU:HB2	1.90	0.95
2:6o:118:ILE:HG12	2:6o:120:ILE:HG23	1.49	0.95
2:6o:228:ALA:N	2:7j:223:ARG:HD3	1.81	0.95
2:6o:238:THR:O	2:7j:246:LYS:CA	2.14	0.95
2:7m:19:LEU:HD12	2:7m:41:TYR:HD2	1.29	0.95
2:8q:199:LEU:HD11	2:9H:186:ALA:HA	1.46	0.95
2:1r:118:ILE:HG12	2:1r:120:ILE:HG23	1.49	0.95
2:2q:77:LEU:HD11	2:2q:110:LEU:HD21	1.46	0.95
2:2r:77:LEU:CD1	2:2r:110:LEU:CD2	2.36	0.95
2:3t:97:TYR:C	2:3t:110:LEU:HB2	1.90	0.95
2:8w:175:PHE:CD1	2:9I:171:GLN:CD	2.45	0.95
2:1w:279:ILE:HA	2:3w:248:GLY:O	1.66	0.95
2:6w:239:THR:CA	2:7t:247:LYS:H	1.78	0.95
2:6x:263:VAL:HG21	2:9R:256:ALA:HB3	1.45	0.95
2:9M:270:ILE:HD13	2:9J:269:LEU:HB2	1.48	0.95
1:1L:356:PRO:HG2	1:1L:369:PHE:HD2	0.94	0.95
1:5K:442:ALA:O	2:5g:45:LYS:NZ	1.98	0.95
1:4Q:199:LYS:CB	1:4Q:202:GLU:OE2	2.14	0.95
1:8R:445:GLY:O	2:8s:44:VAL:N	2.00	0.95
2:2a:19:LEU:HD12	2:2a:41:TYR:HD2	1.29	0.95
2:3h:97:TYR:C	2:3h:110:LEU:HB2	1.90	0.95
2:6h:41:TYR:CE2	2:6h:57:MET:CE	2.47	0.95
2:7c:19:LEU:HD12	2:7c:41:TYR:HD2	1.29	0.95
2:9F:239:THR:O	2:9O:246:LYS:HB3	0.77	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:251:VAL:HG22	2:8o:270:ILE:HG12	1.46	0.95
2:6k:226:ILE:CG2	2:7e:222:LEU:CD1	2.28	0.95
2:8k:270:ILE:HD13	2:9G:269:LEU:HB2	1.48	0.95
2:8l:41:TYR:CE2	2:8l:57:MET:CE	2.47	0.95
2:2k:240:THR:C	2:3n:246:LYS:HG2	1.92	0.95
2:6o:239:THR:CA	2:7j:247:LYS:H	1.78	0.95
2:8q:270:ILE:HD13	2:9H:269:LEU:HB2	1.48	0.95
2:9H:19:LEU:HD12	2:9H:41:TYR:HD2	1.29	0.95
2:4l:76:ASN:HD21	2:4l:116:LYS:CD	1.79	0.95
2:5l:242:LEU:HD22	2:7p:244:GLY:O	1.66	0.95
2:6q:125:ILE:HG12	2:7v:120:ILE:HD11	1.49	0.95
2:7r:266:LEU:N	2:9L:266:LEU:CD2	2.29	0.95
2:8w:270:ILE:HA	2:9I:269:LEU:CD1	1.97	0.95
2:8w:280:SER:HB2	2:9I:249:ALA:HA	0.98	0.95
2:5m:97:TYR:C	2:5m:110:LEU:HB2	1.90	0.95
2:6x:111:VAL:HG22	2:7w:57:MET:CE	1.97	0.95
2:7w:148[B]:ILE:HD11	2:9R:148[B]:ILE:HD12	1.49	0.95
2:9M:150:GLU:CD	2:9J:141:PRO:HB2	1.90	0.95
2:9M:278:ILE:HG21	2:9J:278:ILE:HG23	1.47	0.95
1:4c:199:LYS:CB	1:4c:202:GLU:OE2	2.14	0.95
2:1f:76:ASN:HD21	2:1f:116:LYS:CD	1.79	0.95
2:1g:251:VAL:CG1	2:2x:279:ILE:HD12	1.96	0.95
2:2Z:223:ARG:HD2	2:1l:228:ALA:HA	1.46	0.95
2:2b:223:ARG:CD	2:3e:228:ALA:CA	2.45	0.95
2:2b:244:GLY:CA	2:3e:243:GLY:H	1.78	0.95
2:3g:259:VAL:HG22	2:2x:259:VAL:HG22	0.98	0.95
2:3h:41:TYR:CE2	2:3h:57:MET:CE	2.47	0.95
2:4f:247:LYS:HD2	2:3l:238:THR:C	1.92	0.95
2:6e:76:ASN:HD21	2:6e:116:LYS:CD	1.79	0.95
2:6g:238:THR:O	2:7Z:246:LYS:CA	2.14	0.95
2:8i:61:ALA:HB1	2:7g:57:MET:CE	1.95	0.95
2:1k:267:ASN:ND2	2:3k:254:SER:N	1.97	0.95
2:2g:197:GLN:NE2	2:3i:201:VAL:HA	1.81	0.95
2:4h:76:ASN:HD21	2:4h:116:LYS:CD	1.79	0.95
2:6i:76:ASN:HD21	2:6i:116:LYS:CD	1.79	0.95
2:8o:41:TYR:CE2	2:8o:57:MET:CE	2.47	0.95
2:2l:223:ARG:HG2	2:3m:228:ALA:HB2	1.48	0.95
2:2l:234:LEU:HD21	2:3m:242:LEU:C	1.91	0.95
2:2m:201:VAL:HG11	2:3t:210:LEU:CD2	1.95	0.95
2:7j:77:LEU:CD1	2:7j:110:LEU:CD2	2.36	0.95
2:8q:278:ILE:HG21	2:9H:278:ILE:HG23	1.47	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:183:PHE:CE1	2:9I:199:LEU:HD12	2.01	0.95
2:1q:120:ILE:HD11	2:2o:120:ILE:CD1	1.97	0.95
2:6r:246:LYS:HA	2:7u:238:THR:O	1.67	0.95
2:6s:76:ASN:HD21	2:6s:116:LYS:CD	1.79	0.95
2:6s:228:ALA:N	2:7o:223:ARG:HD3	1.81	0.95
2:7s:77:LEU:HD11	2:7s:110:LEU:HD21	1.46	0.95
2:2v:223:ARG:HD3	2:3u:228:ALA:CA	1.97	0.95
2:2v:273:LEU:CD2	2:3u:279:ILE:HG22	1.97	0.95
2:5m:273:LEU:HD12	2:6w:269:LEU:HD11	1.43	0.95
2:7w:77:LEU:CD1	2:7w:110:LEU:CD2	2.36	0.95
2:7w:77:LEU:HD11	2:7w:110:LEU:HD21	1.46	0.95
2:9M:270:ILE:HA	2:9J:269:LEU:CD1	1.97	0.95
1:2A:28:GLN:HE21	2:1I:27:ILE:HD11	1.28	0.95
2:1h:243:GLY:HA2	2:2t:234:LEU:HD21	1.47	0.95
2:2d:77:LEU:HD12	2:2d:110:LEU:HD22	1.44	0.95
2:6h:111:VAL:HG22	2:7c:57:MET:CE	1.97	0.95
2:8e:167:LYS:HE3	2:9O:173:LEU:O	1.66	0.95
2:6j:206:VAL:HG11	2:5j:210:LEU:HD23	1.49	0.95
2:6j:240:THR:HA	2:5j:246:LYS:HD3	1.47	0.95
2:6k:118:ILE:HG12	2:6k:120:ILE:HG23	1.49	0.95
2:6k:239:THR:CA	2:7e:247:LYS:H	1.78	0.95
2:8m:246:LYS:HB3	2:9H:239:THR:O	0.77	0.95
2:8n:226:ILE:HD11	2:7n:226:ILE:CD1	1.97	0.95
2:1m:41:TYR:CE2	2:1m:57:MET:CE	2.47	0.95
2:1o:273:LEU:CD1	2:3o:273:LEU:HD11	1.96	0.95
2:2I:223:ARG:HD3	2:3m:228:ALA:CA	1.97	0.95
2:6p:97:TYR:C	2:6p:110:LEU:HB2	1.90	0.95
2:1s:278:ILE:HG23	2:3s:278:ILE:HD11	1.48	0.95
2:2r:77:LEU:HD11	2:2r:110:LEU:HD21	1.46	0.95
2:2s:148[B]:ILE:CD1	2:3w:148[B]:ILE:HD12	1.96	0.95
2:7r:266:LEU:N	2:9L:266:LEU:HD21	1.81	0.95
2:8w:270:ILE:HD13	2:9I:269:LEU:HB2	1.48	0.95
2:2v:223:ARG:CD	2:3u:228:ALA:CA	2.45	0.95
1:7Q:447:GLN:O	2:7q:41:TYR:CD1	2.20	0.95
1:6Y:447:GLN:CD	2:6x:58:TYR:HB2	1.92	0.95
1:7Y:25:ARG:NH2	2:5n:51:ASP:OD1	1.97	0.95
2:2a:240:THR:C	2:3f:246:LYS:HG2	1.92	0.95
2:2b:223:ARG:HD3	2:3e:228:ALA:CA	1.97	0.95
2:2b:234:LEU:HD21	2:3e:242:LEU:C	1.91	0.95
2:4e:41:TYR:CE2	2:4e:57:MET:CE	2.47	0.95
2:7a:77:LEU:HD11	2:7a:110:LEU:HD21	1.46	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7b:77:LEU:HD11	2:7b:110:LEU:HD21	1.46	0.95
2:8e:200:LEU:HD23	2:9F:196:LEU:HD13	1.33	0.95
2:8g:41:TYR:CE2	2:8g:57:MET:CE	2.47	0.95
2:9F:239:THR:CB	2:9O:247:LYS:HB3	1.94	0.95
2:2f:201:VAL:HG21	2:3j:210:LEU:HD22	1.48	0.95
2:2i:259:VAL:CG2	2:3o:259:VAL:HG21	1.92	0.95
2:6i:125:ILE:HG12	2:7l:120:ILE:HD11	1.48	0.95
2:8k:175:PHE:CD1	2:9G:171:GLN:CD	2.45	0.95
2:8p:76:ASN:HD21	2:8p:116:LYS:CD	1.79	0.95
2:1n:76:ASN:HD21	2:1n:116:LYS:CD	1.79	0.95
2:1o:174:LEU:O	2:3o:171:GLN:NE2	2.00	0.95
2:5j:76:ASN:HD21	2:5j:116:LYS:CD	1.79	0.95
2:6m:255:THR:CA	2:8u:263:VAL:HG11	1.95	0.95
2:6n:240:THR:HA	2:5l:246:LYS:HD3	1.47	0.95
2:6o:226:ILE:HG22	2:7j:222:LEU:HD13	0.95	0.95
2:8q:118:ILE:HG12	2:8q:120:ILE:HG23	1.49	0.95
2:8q:270:ILE:HA	2:9H:269:LEU:CD1	1.97	0.95
2:5l:76:ASN:HD21	2:5l:116:LYS:CD	1.79	0.95
2:6s:201:VAL:HA	2:7o:197:GLN:HE21	1.27	0.95
2:2u:240:THR:C	2:3v:246:LYS:HG2	1.92	0.95
2:2w:251:VAL:CG1	2:4n:279:ILE:HD12	1.95	0.95
2:5n:242:LEU:HD22	2:7u:244:GLY:O	1.66	0.95
2:9R:76:ASN:HD21	2:9R:116:LYS:CD	1.79	0.95
1:3D:443:SER:CA	2:3g:56:ASN:ND2	2.10	0.94
1:4E:444:GLY:HA2	2:4e:45:LYS:NZ	1.82	0.94
1:3P:443:SER:OG	2:3o:56:ASN:ND2	2.00	0.94
1:7Q:447:GLN:C	2:7q:41:TYR:CD1	2.44	0.94
1:7S:444:GLY:O	2:7o:53:THR:OG1	1.85	0.94
2:1h:279:ILE:CG2	2:2t:273:LEU:CD2	2.44	0.94
2:2b:223:ARG:HG2	2:3e:228:ALA:HB2	1.48	0.94
2:3e:247:LYS:H	2:4e:238:THR:C	1.75	0.94
2:3g:148[B]:ILE:HD12	2:2x:148[B]:ILE:CD1	1.96	0.94
2:6g:76:ASN:HD21	2:6g:116:LYS:CD	1.79	0.94
2:2e:273:LEU:CD2	2:1p:279:ILE:CG2	2.44	0.94
2:2g:223:ARG:HG2	2:3i:228:ALA:HB2	1.48	0.94
2:2g:247:LYS:N	2:3i:238:THR:C	2.24	0.94
2:5h:118:ILE:HG12	2:5h:120:ILE:HG23	1.49	0.94
2:6j:246:LYS:HA	2:7k:238:THR:O	1.67	0.94
2:6k:227:GLY:HA3	2:7e:223:ARG:NH1	1.81	0.94
2:7i:77:LEU:HD11	2:7i:110:LEU:HD21	1.46	0.94
2:8o:61:ALA:HB1	2:7l:57:MET:CE	1.95	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2j:244:GLY:HA3	2:1t:243:GLY:N	1.80	0.94
2:2m:203:ASN:ND2	2:3t:212:GLY:CA	1.86	0.94
2:2n:259:VAL:CG2	2:3s:259:VAL:HG21	1.92	0.94
2:6o:227:GLY:HA3	2:7j:223:ARG:NH1	1.81	0.94
2:8q:175:PHE:CD1	2:9H:171:GLN:CD	2.45	0.94
2:2q:273:LEU:CD2	2:3q:279:ILE:HG22	1.97	0.94
2:3q:246:LYS:CE	2:4k:240:THR:O	2.14	0.94
2:6r:41:TYR:CE2	2:6r:57:MET:CE	2.47	0.94
2:8y:200:LEU:CD1	2:9J:200:LEU:CD2	2.35	0.94
2:1u:120:ILE:HD11	2:2t:120:ILE:CD1	1.97	0.94
2:2u:238:THR:C	2:3v:247:LYS:HB2	1.92	0.94
2:7w:266:LEU:N	2:9R:266:LEU:HD21	1.81	0.94
2:9P:76:ASN:HD21	2:9P:116:LYS:CD	1.79	0.94
2:9P:118:ILE:HG12	2:9P:120:ILE:HG23	1.49	0.94
1:6B:443:SER:HA	2:6g:56:ASN:HD21	1.31	0.94
1:8D:445:GLY:C	2:8i:44:VAL:HB	1.93	0.94
1:3O:448:ALA:HB3	2:3p:41:TYR:HD2	1.32	0.94
2:1h:76:ASN:HD21	2:1h:116:LYS:CD	1.79	0.94
2:2Z:77:LEU:HD11	2:2Z:110:LEU:HD21	1.46	0.94
2:2b:197:GLN:NE2	2:3e:201:VAL:HA	1.81	0.94
2:6f:246:LYS:HA	2:7f:238:THR:O	1.67	0.94
2:7Z:77:LEU:HD11	2:7Z:110:LEU:HD21	1.46	0.94
2:7d:247:LYS:HE2	2:9P:280:SER:HG	1.18	0.94
2:8e:243:GLY:CA	2:9F:234:LEU:CD2	2.44	0.94
2:8e:274:LYS:NZ	2:9F:251:VAL:C	2.25	0.94
2:2f:203:ASN:ND2	2:3j:212:GLY:CA	2.30	0.94
2:2g:234:LEU:HD21	2:3i:242:LEU:C	1.91	0.94
2:7f:77:LEU:CD1	2:7f:110:LEU:CD2	2.36	0.94
2:7f:77:LEU:HD11	2:7f:110:LEU:HD21	1.46	0.94
2:8k:118:ILE:HG12	2:8k:120:ILE:HG23	1.49	0.94
2:9G:77:LEU:HD12	2:9G:110:LEU:HD22	1.44	0.94
2:2l:77:LEU:HD11	2:2l:110:LEU:HD21	1.46	0.94
2:3m:118:ILE:HG12	2:3m:120:ILE:HG23	1.49	0.94
2:8q:150:GLU:CD	2:9H:141:PRO:HB2	1.90	0.94
2:8s:222:LEU:CB	2:9I:226:ILE:CB	2.44	0.94
2:1s:41:TYR:CE2	2:1s:57:MET:CE	2.47	0.94
2:8y:237:ALA:CB	2:9M:247:LYS:HB2	1.95	0.94
2:1v:247:LYS:HB2	2:3v:239:THR:N	1.73	0.94
2:3u:247:LYS:H	2:4m:238:THR:C	1.75	0.94
2:6u:249:ALA:O	2:9Q:279:ILE:HB	1.68	0.94
2:9M:175:PHE:CD1	2:9J:171:GLN:CD	2.45	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8D:208:GLY:O	1:8D:212:GLU:HG3	1.68	0.94
1:3O:442:ALA:C	2:3p:45:LYS:HZ1	1.71	0.94
1:4Q:201:ASP:OD2	1:4Q:343:SER:HB2	1.67	0.94
2:1e:41:TYR:CE2	2:1e:57:MET:CE	2.47	0.94
2:1e:111:VAL:HG22	2:2Z:57:MET:HE2	1.48	0.94
2:1e:227:GLY:O	2:1l:230:VAL:HA	1.67	0.94
2:2Z:273:LEU:CD2	2:1l:279:ILE:CG2	2.44	0.94
2:2c:226:ILE:CD1	2:3l:226:ILE:HG12	1.96	0.94
2:6e:254:SER:O	2:8i:263:VAL:CG1	2.15	0.94
2:8e:76:ASN:HD21	2:8e:116:LYS:CD	1.78	0.94
2:9F:77:LEU:HD11	2:9F:110:LEU:HD21	1.46	0.94
2:1i:97:TYR:C	2:1i:110:LEU:HB2	1.90	0.94
2:1i:236:ALA:HA	2:2e:242:LEU:HD11	1.47	0.94
2:2f:239:THR:CB	2:3j:247:LYS:HB3	1.79	0.94
2:4h:247:LYS:HD2	2:3p:238:THR:C	1.92	0.94
2:6k:125:ILE:HG12	2:7e:120:ILE:HD11	1.50	0.94
2:6k:228:ALA:N	2:7e:223:ARG:HD3	1.81	0.94
2:6l:111:VAL:HG22	2:7h:57:MET:CE	1.97	0.94
2:7h:250:ALA:HA	2:8p:280:SER:C	1.92	0.94
2:8n:228:ALA:HB1	2:7n:228:ALA:HB1	1.48	0.94
2:8o:73:VAL:HG11	2:7l:27:ILE:HA	1.48	0.94
2:1o:97:TYR:C	2:1o:110:LEU:HB2	1.90	0.94
2:2m:226:ILE:CD1	2:3t:226:ILE:HG12	1.96	0.94
2:4j:76:ASN:HD21	2:4j:116:LYS:CD	1.79	0.94
2:6o:226:ILE:HG22	2:7j:222:LEU:HD12	1.49	0.94
2:7l:19:LEU:HD12	2:7l:41:TYR:HD2	1.29	0.94
2:7l:77:LEU:HD12	2:7l:110:LEU:HD22	1.44	0.94
2:7n:77:LEU:HD11	2:7n:110:LEU:HD21	1.46	0.94
2:8v:76:ASN:HD21	2:8v:116:LYS:CD	1.79	0.94
2:1r:234:LEU:HD23	2:3r:242:LEU:HB2	1.49	0.94
2:2o:209:LEU:HD12	2:1x:225:MET:SD	2.07	0.94
2:2p:77:LEU:HD11	2:2p:110:LEU:HD21	1.46	0.94
2:2q:197:GLN:NE2	2:3q:201:VAL:HA	1.81	0.94
2:2s:193:LYS:HB3	2:3w:200:LEU:O	1.67	0.94
2:3q:118:ILE:HG12	2:3q:120:ILE:HG23	1.49	0.94
2:5k:278:ILE:HG23	2:6s:278:ILE:HD13	1.46	0.94
2:2u:226:ILE:HG13	2:3v:223:ARG:HG2	1.50	0.94
2:6x:41:TYR:CE2	2:6x:57:MET:CE	2.47	0.94
2:7w:250:ALA:N	2:9R:280:SER:HB2	1.81	0.94
2:9M:243:GLY:CA	2:9J:234:LEU:CD2	2.44	0.94
1:1D:445:GLY:C	2:1h:44:VAL:HG22	1.90	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4d:448:ALA:HB1	2:4n:41:TYR:CE1	2.00	0.94
2:1g:149[B]:ILE:HG23	2:3g:158[B]:ILE:CG2	1.96	0.94
2:2d:193:LYS:HB3	2:3k:200:LEU:O	1.68	0.94
2:5e:279:ILE:HA	2:6g:248:GLY:O	1.65	0.94
2:6g:228:ALA:N	2:7Z:223:ARG:HD3	1.81	0.94
2:7a:238:THR:O	2:6v:246:LYS:HA	1.67	0.94
2:7b:27:ILE:HA	2:9Q:73:VAL:HG11	1.48	0.94
2:8e:201:VAL:CA	2:9F:193:LYS:CD	2.42	0.94
2:9F:200:LEU:HD22	2:9O:200:LEU:HD12	1.47	0.94
2:1l:118:ILE:HG12	2:1l:120:ILE:HG23	1.49	0.94
2:2g:223:ARG:CD	2:3i:228:ALA:CA	2.45	0.94
2:2i:269:LEU:CD2	2:3o:270:ILE:CG1	2.44	0.94
2:6k:226:ILE:HG22	2:7e:222:LEU:HD13	0.95	0.94
2:8n:118:ILE:HG12	2:8n:120:ILE:HG23	1.49	0.94
2:1p:118:ILE:HG12	2:1p:120:ILE:HG23	1.49	0.94
2:2l:236:ALA:HA	2:3m:242:LEU:HD21	1.48	0.94
2:2n:148[B]:ILE:CD1	2:3s:148[B]:ILE:HD12	1.96	0.94
2:2n:148[B]:ILE:HD12	2:1s:148[B]:ILE:HD11	1.46	0.94
2:3o:118:ILE:HG12	2:3o:120:ILE:HG23	1.49	0.94
2:1s:243:GLY:O	2:3s:245:VAL:N	2.00	0.94
2:2o:234:LEU:HD21	2:1x:243:GLY:HA2	1.48	0.94
2:6s:118:ILE:HG12	2:6s:120:ILE:HG23	1.49	0.94
2:6s:238:THR:O	2:7o:246:LYS:CA	2.14	0.94
2:8w:225:MET:SD	2:9I:212:GLY:CA	2.56	0.94
2:8y:242:LEU:CD2	2:9M:246:LYS:HG3	1.98	0.94
2:1w:237:ALA:CB	2:3w:246:LYS:HA	1.97	0.94
2:1x:118:ILE:HG12	2:1x:120:ILE:HG23	1.49	0.94
2:2u:203:ASN:ND2	2:3v:212:GLY:CA	2.30	0.94
2:6w:226:ILE:CG2	2:7t:222:LEU:CD1	2.28	0.94
2:7w:259:VAL:CG2	2:9R:259:VAL:CG2	2.40	0.94
2:9M:148[B]:ILE:HD13	2:9J:148[B]:ILE:HD13	1.45	0.94
1:6Z:448:ALA:HB3	2:6w:41:TYR:CE1	2.02	0.94
2:2d:259:VAL:HG22	2:3k:259:VAL:HG22	0.98	0.94
2:3h:223:ARG:HG3	2:2w:226:ILE:O	1.66	0.94
2:6g:118:ILE:HG12	2:6g:120:ILE:HG23	1.49	0.94
2:7c:266:LEU:N	2:8j:266:LEU:HD21	1.81	0.94
2:8e:118:ILE:HG12	2:8e:120:ILE:HG23	1.49	0.94
2:8e:175:PHE:CD1	2:9F:171:GLN:CD	2.45	0.94
2:8e:279:ILE:HG23	2:9F:273:LEU:HD23	0.97	0.94
2:8g:246:LYS:HB3	2:9G:239:THR:O	0.77	0.94
2:8h:242:LEU:HD22	2:7i:244:GLY:HA3	1.43	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1j:228:ALA:HB1	2:3j:228:ALA:HB2	1.40	0.94
2:2e:209:LEU:HD12	2:1p:225:MET:SD	2.07	0.94
2:2f:226:ILE:HG13	2:3j:223:ARG:HG2	1.50	0.94
2:2h:240:THR:CA	2:3p:246:LYS:HG2	1.98	0.94
2:2i:234:LEU:HD21	2:3o:243:GLY:HA2	1.47	0.94
2:5g:111:VAL:CG2	2:7e:57:MET:CE	2.46	0.94
2:5g:278:ILE:HG23	2:6k:278:ILE:HD13	1.46	0.94
2:6i:254:SER:O	2:8o:263:VAL:CG1	2.15	0.94
2:8k:226:ILE:CA	2:9G:219:LYS:CG	2.28	0.94
2:8k:232:TYR:HB2	2:9G:232:TYR:CB	1.91	0.94
2:1o:259:VAL:HG23	2:3o:259:VAL:HG23	1.44	0.94
2:2k:203:ASN:ND2	2:3n:212:GLY:CA	2.30	0.94
2:2k:242:LEU:CA	2:3n:244:GLY:CA	2.43	0.94
2:2n:269:LEU:CD2	2:3s:270:ILE:CG1	2.44	0.94
2:6n:206:VAL:HG11	2:5l:210:LEU:HD23	1.49	0.94
2:7j:77:LEU:HD11	2:7j:110:LEU:HD21	1.46	0.94
2:9H:77:LEU:HD11	2:9H:110:LEU:HD21	1.46	0.94
2:1q:111:VAL:HG22	2:2o:57:MET:HE2	1.48	0.94
2:1s:174:LEU:O	2:3s:171:GLN:NE2	2.00	0.94
2:2p:238:THR:C	2:3r:247:LYS:HB2	1.92	0.94
2:2p:240:THR:C	2:3r:246:LYS:HG2	1.92	0.94
2:2q:223:ARG:HD3	2:3q:228:ALA:CA	1.97	0.94
2:2q:223:ARG:CD	2:3q:228:ALA:CA	2.45	0.94
2:3q:76:ASN:HD21	2:3q:116:LYS:CD	1.79	0.94
2:6r:206:VAL:HG11	2:5n:210:LEU:HD23	1.49	0.94
2:1v:76:ASN:HD21	2:1v:116:LYS:CD	1.79	0.94
2:2u:201:VAL:HG21	2:3v:210:LEU:HD22	1.48	0.94
2:2x:77:LEU:CD1	2:2x:110:LEU:CD2	2.36	0.94
2:3u:246:LYS:CE	2:4m:240:THR:O	2.14	0.94
2:7v:77:LEU:HD11	2:7v:110:LEU:HD21	1.46	0.94
1:1B:448:ALA:HB3	2:1f:41:TYR:HE1	1.21	0.94
2:2a:77:LEU:HD11	2:2a:110:LEU:HD21	1.46	0.94
2:2d:251:VAL:O	2:3k:274:LYS:NZ	2.01	0.94
2:3g:243:GLY:HA2	2:2x:234:LEU:HD21	1.47	0.94
2:6g:226:ILE:HG22	2:7Z:222:LEU:HD13	0.95	0.94
2:8e:246:LYS:HG3	2:9O:242:LEU:CD2	1.97	0.94
2:8e:270:ILE:HA	2:9F:269:LEU:CD1	1.97	0.94
2:8j:76:ASN:HD21	2:8j:116:LYS:CD	1.79	0.94
2:1k:279:ILE:HA	2:3k:248:GLY:O	1.66	0.94
2:2f:226:ILE:HG21	2:3j:222:LEU:HB3	0.96	0.94
2:2g:247:LYS:HB3	2:3i:239:THR:HG23	1.46	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:274:LYS:NZ	2:9G:251:VAL:C	2.25	0.94
2:9G:77:LEU:CD1	2:9G:110:LEU:CD2	2.36	0.94
2:9G:77:LEU:HD11	2:9G:110:LEU:HD21	1.46	0.94
2:2j:209:LEU:HD12	2:1t:225:MET:SD	2.07	0.94
2:2k:226:ILE:HG13	2:3n:223:ARG:HG2	1.50	0.94
2:2n:120:ILE:HD11	2:3s:125:ILE:HG12	1.50	0.94
2:8s:234:LEU:HD21	2:9I:242:LEU:O	1.44	0.94
2:8s:242:LEU:CD2	2:8w:246:LYS:HG3	1.98	0.94
2:8t:118:ILE:HG12	2:8t:120:ILE:HG23	1.49	0.94
2:2s:57:MET:HE3	2:1w:61:ALA:HB1	1.48	0.94
2:6t:111:VAL:HG22	2:7r:57:MET:CE	1.97	0.94
2:7r:266:LEU:HA	2:9L:266:LEU:HD11	1.46	0.94
2:1w:149[B]:ILE:HG23	2:3w:158[B]:ILE:CG2	1.95	0.94
2:1w:243:GLY:O	2:3w:245:VAL:N	2.00	0.94
2:2v:209:LEU:O	2:3u:206:VAL:CG2	2.14	0.94
2:6u:254:SER:O	2:9Q:263:VAL:CG1	2.15	0.94
1:3C:447:GLN:HE21	2:3h:44:VAL:HG21	1.33	0.94
1:7D:448:ALA:HA	2:7Z:41:TYR:HD1	1.24	0.94
1:8C:445:GLY:CA	2:8j:45:LYS:HG2	1.96	0.94
1:8G:447:GLN:HG2	2:8k:44:VAL:HG13	1.48	0.94
1:1O:443:SER:OG	2:1o:45:LYS:NZ	1.98	0.94
2:1h:225:MET:SD	2:2t:209:LEU:HD12	2.08	0.94
2:2Z:209:LEU:HD12	2:1l:225:MET:SD	2.07	0.94
2:2a:203:ASN:HD22	2:3f:212:GLY:HA3	1.28	0.94
2:3e:118:ILE:HG12	2:3e:120:ILE:HG23	1.49	0.94
2:3h:212:GLY:HA3	2:2w:203:ASN:HD22	1.32	0.94
2:5e:278:ILE:HG23	2:6g:278:ILE:HD13	1.46	0.94
2:6g:239:THR:HA	2:7Z:247:LYS:H	1.26	0.94
2:2h:203:ASN:HD21	2:3p:212:GLY:HA2	1.27	0.94
2:3i:118:ILE:HG12	2:3i:120:ILE:HG23	1.49	0.94
2:6i:59:PRO:HG2	2:7l:59:PRO:O	1.68	0.94
2:6k:280:SER:HG	2:7e:247:LYS:HG2	1.23	0.94
2:8k:199:LEU:HD11	2:9G:186:ALA:HA	1.46	0.94
2:2n:279:ILE:HD12	2:1s:251:VAL:CG1	1.96	0.94
2:3o:76:ASN:HD21	2:3o:116:LYS:CD	1.79	0.94
2:5i:280:SER:O	2:6o:250:ALA:CA	2.15	0.94
2:8q:225:MET:SD	2:9H:212:GLY:CA	2.56	0.94
2:8s:200:LEU:HD12	2:9I:200:LEU:HD22	1.47	0.94
2:8v:118:ILE:HG12	2:8v:120:ILE:HG23	1.49	0.94
2:1r:76:ASN:HD21	2:1r:116:LYS:CD	1.79	0.94
2:1s:237:ALA:CB	2:3s:246:LYS:HA	1.97	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:200:LEU:CD1	2:3r:200:LEU:CD1	2.41	0.94
2:6s:239:THR:HA	2:7o:247:LYS:H	1.26	0.94
2:8z:228:ALA:HB1	2:7x:228:ALA:HB1	1.48	0.94
2:9K:61:ALA:HB3	2:7v:57:MET:HB3	1.49	0.94
2:9L:118:ILE:HG12	2:9L:120:ILE:HG23	1.49	0.94
2:1w:273:LEU:CD1	2:3w:273:LEU:HD11	1.96	0.94
2:3u:118:ILE:HG12	2:3u:120:ILE:HG23	1.49	0.94
2:7w:266:LEU:HA	2:9R:266:LEU:HD11	1.46	0.94
1:4E:201:ASP:OD2	1:4E:343:SER:HB2	1.67	0.94
1:3I:202:GLU:CD	1:3I:343:SER:CB	2.41	0.94
1:4K:201:ASP:OD2	1:4K:343:SER:HB2	1.67	0.94
1:6G:448:ALA:CB	2:6l:41:TYR:HD2	1.81	0.94
1:3U:202:GLU:CD	1:3U:343:SER:CB	2.41	0.94
1:4W:201:ASP:OD2	1:4W:343:SER:HB2	1.67	0.94
1:7S:447:GLN:O	2:7o:55:VAL:HG13	1.67	0.94
1:4d:448:ALA:HB3	2:4n:41:TYR:CE1	2.03	0.94
1:7Y:448:ALA:HB2	2:7w:60:LEU:CG	1.97	0.94
1:8Y:448:ALA:O	2:9M:59:PRO:HA	1.66	0.94
1:8b:208:GLY:O	1:8b:212:GLU:HG3	1.68	0.94
2:2a:226:ILE:HG13	2:3f:223:ARG:HG2	1.50	0.94
2:2b:219:LYS:CG	2:3e:225:MET:O	2.16	0.94
2:2d:19:LEU:HD12	2:2d:41:TYR:HD2	1.29	0.94
2:2d:120:ILE:HD11	2:3k:125:ILE:HG12	1.50	0.94
2:3g:148[B]:ILE:CD1	2:2x:148[B]:ILE:HD11	1.98	0.94
2:3h:226:ILE:HG12	2:2w:226:ILE:CD1	1.96	0.94
2:5f:118:ILE:HG12	2:5f:120:ILE:HG23	1.49	0.94
2:7b:59:PRO:O	2:6u:59:PRO:HG2	1.68	0.94
2:7c:77:LEU:HD11	2:7c:110:LEU:HD21	1.46	0.94
2:7c:250:ALA:HA	2:8j:280:SER:C	1.92	0.94
2:7c:259:VAL:CG2	2:8j:259:VAL:CG2	2.40	0.94
2:8h:280:SER:HG	2:7i:247:LYS:HE2	1.21	0.94
2:1k:243:GLY:O	2:3k:245:VAL:N	2.00	0.94
2:2e:234:LEU:HD21	2:1p:243:GLY:HA2	1.48	0.94
2:2g:223:ARG:HD3	2:3i:228:ALA:CA	1.97	0.94
2:2i:251:VAL:O	2:3o:274:LYS:NZ	2.01	0.94
2:6k:41:TYR:CE1	2:6k:57:MET:SD	2.61	0.94
2:8m:236:ALA:CA	2:9H:242:LEU:CD1	2.44	0.94
2:1m:227:GLY:O	2:1t:230:VAL:HA	1.67	0.94
2:1n:247:LYS:CB	2:3n:238:THR:C	2.38	0.94
2:1o:237:ALA:CB	2:3o:246:LYS:HA	1.97	0.94
2:2l:247:LYS:HB3	2:3m:239:THR:HG23	1.46	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:254:SER:O	2:8u:263:VAL:CG1	2.15	0.94
2:8q:76:ASN:HD21	2:8q:116:LYS:CD	1.78	0.94
2:1s:234:LEU:HD12	2:3s:234:LEU:CD2	1.89	0.94
2:2p:203:ASN:ND2	2:3r:212:GLY:CA	2.30	0.94
2:2p:226:ILE:HG13	2:3r:223:ARG:HG2	1.50	0.94
2:2q:219:LYS:CG	2:3q:225:MET:O	2.16	0.94
2:2s:77:LEU:HD12	2:2s:110:LEU:HD22	1.44	0.94
2:2s:148[B]:ILE:HD11	2:3w:148[B]:ILE:CD1	1.98	0.94
2:7r:250:ALA:HA	2:9L:280:SER:C	1.92	0.94
2:1w:200:LEU:O	2:3w:193:LYS:HB3	1.68	0.94
2:1x:41:TYR:CE1	2:1x:57:MET:SD	2.61	0.94
2:2v:247:LYS:HB3	2:3u:239:THR:HG23	1.46	0.94
2:4n:118:ILE:HG12	2:4n:120:ILE:HG23	1.49	0.94
2:9M:274:LYS:NZ	2:9J:251:VAL:C	2.25	0.94
1:6B:448:ALA:CB	2:6g:41:TYR:CD1	2.51	0.94
1:2H:28:GLN:NE2	2:4h:27:ILE:CD1	2.31	0.94
1:8I:444:GLY:O	2:8p:44:VAL:HG21	1.63	0.94
1:3O:202:GLU:CD	1:3O:343:SER:CB	2.41	0.94
1:8R:447:GLN:N	2:8s:42:VAL:O	2.00	0.94
1:6S:447:GLN:HE22	2:6t:58:TYR:HB2	1.33	0.94
1:6T:443:SER:C	2:6s:56:ASN:HD22	1.67	0.94
2:2d:148[B]:ILE:HD11	2:3k:148[B]:ILE:CD1	1.98	0.94
2:3h:209:LEU:CG	2:2w:206:VAL:CG2	2.28	0.94
2:5e:280:SER:O	2:6g:250:ALA:CA	2.15	0.94
2:6e:249:ALA:O	2:8i:279:ILE:HB	1.68	0.94
2:6g:41:TYR:CE1	2:6g:57:MET:SD	2.61	0.94
2:8e:240:THR:CA	2:9F:246:LYS:HZ3	1.81	0.94
2:8j:118:ILE:HG12	2:8j:120:ILE:HG23	1.49	0.94
2:2f:240:THR:C	2:3j:246:LYS:HG2	1.92	0.94
2:2i:120:ILE:HD11	2:3o:125:ILE:HG12	1.49	0.94
2:8k:225:MET:SD	2:9G:212:GLY:CA	2.56	0.94
2:8k:243:GLY:CA	2:9G:234:LEU:CD2	2.44	0.94
2:2k:206:VAL:HG11	2:3n:210:LEU:HD23	0.95	0.94
2:6m:251:VAL:HG22	2:8u:270:ILE:HG12	1.45	0.94
2:7m:250:ALA:HA	2:8v:280:SER:C	1.92	0.94
2:7m:250:ALA:N	2:8v:280:SER:HB2	1.81	0.94
2:8z:226:ILE:HD11	2:7x:226:ILE:CD1	1.97	0.94
2:2v:219:LYS:CG	2:3u:225:MET:O	2.16	0.94
2:9M:225:MET:SD	2:9J:212:GLY:CA	2.56	0.94
1:3X:448:ALA:HB2	2:3q:41:TYR:CE1	2.02	0.94
1:3a:202:GLU:CD	1:3a:343:SER:CB	2.41	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:237:ALA:CB	2:3g:246:LYS:HA	1.97	0.94
2:1g:279:ILE:HG21	2:3g:272:VAL:HG12	1.30	0.94
2:2c:206:VAL:CG2	2:3l:209:LEU:CG	2.28	0.94
2:2d:209:LEU:HD21	2:3k:209:LEU:CD2	1.98	0.94
2:2d:234:LEU:HD21	2:3k:243:GLY:HA2	1.47	0.94
2:3h:238:THR:C	2:4n:247:LYS:HD2	1.92	0.94
2:5e:111:VAL:CG2	2:7Z:57:MET:CE	2.46	0.94
2:6e:118:ILE:HG12	2:6e:120:ILE:HG23	1.49	0.94
2:6g:227:GLY:CA	2:7Z:223:ARG:HH11	1.81	0.94
2:8g:200:LEU:HD12	2:9G:200:LEU:HD22	1.47	0.94
2:1k:234:LEU:HD13	2:3k:234:LEU:HD13	1.47	0.94
2:1k:237:ALA:CB	2:3k:246:LYS:HA	1.97	0.94
2:2h:251:VAL:HG13	2:4h:279:ILE:HD12	1.48	0.94
2:5g:280:SER:O	2:6k:250:ALA:CA	2.15	0.94
2:6k:239:THR:O	2:7e:246:LYS:CD	2.16	0.94
2:8k:270:ILE:HA	2:9G:269:LEU:CD1	1.97	0.94
2:1m:120:ILE:HD11	2:2j:120:ILE:CD1	1.97	0.94
2:1n:41:TYR:CE1	2:1n:57:MET:SD	2.61	0.94
2:2k:226:ILE:HG21	2:3n:222:LEU:HB3	0.96	0.94
2:2m:240:THR:CA	2:3t:246:LYS:HG2	1.98	0.94
2:3m:246:LYS:CE	2:4i:240:THR:O	2.14	0.94
2:4j:41:TYR:CE1	2:4j:57:MET:SD	2.61	0.94
2:6m:258:ASP:H	2:8u:259:VAL:HG11	1.32	0.94
2:6n:246:LYS:HA	2:7p:238:THR:O	1.67	0.94
2:1s:263:VAL:CG2	2:3s:262:ALA:CB	2.39	0.94
2:1s:273:LEU:CD1	2:3s:273:LEU:HD11	1.96	0.94
2:4l:118:ILE:HG12	2:4l:120:ILE:HG23	1.49	0.94
2:6q:76:ASN:HD21	2:6q:116:LYS:CD	1.79	0.94
2:6s:125:ILE:HG12	2:7o:120:ILE:HD11	1.49	0.94
2:7r:148[B]:ILE:HD11	2:9L:148[B]:ILE:HD12	1.49	0.94
2:8w:199:LEU:HD11	2:9I:186:ALA:HA	1.46	0.94
2:8w:274:LYS:NZ	2:9I:251:VAL:C	2.25	0.94
2:8w:278:ILE:HG21	2:9I:278:ILE:HG23	1.47	0.94
2:8z:227:GLY:C	2:7x:223:ARG:HD3	1.93	0.94
2:2t:77:LEU:CD1	2:2t:110:LEU:CD2	2.36	0.94
2:2u:239:THR:H	2:3v:247:LYS:CB	1.81	0.94
2:3u:41:TYR:CE1	2:3u:57:MET:SD	2.61	0.94
2:6u:256:ALA:CB	2:9Q:263:VAL:HG21	1.84	0.94
2:6w:238:THR:O	2:7t:246:LYS:CA	2.14	0.94
2:6x:111:VAL:CG2	2:7w:57:MET:HE2	1.98	0.94
2:9M:175:PHE:C	2:9J:167:LYS:HD3	1.93	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1V:443:SER:CA	2:1t:56:ASN:ND2	2.31	0.93
1:4W:209:ALA:HB1	1:4W:212:GLU:HG2	1.44	0.93
1:8X:444:GLY:H	2:8y:45:LYS:CD	1.81	0.93
2:1h:230:VAL:HA	2:1u:227:GLY:O	1.67	0.93
2:2a:238:THR:C	2:3f:247:LYS:HB2	1.92	0.93
2:2c:240:THR:CA	2:3l:246:LYS:HG2	1.98	0.93
2:3e:41:TYR:CE1	2:3e:57:MET:SD	2.61	0.93
2:7c:278:ILE:CD1	2:8j:278:ILE:CG2	2.40	0.93
2:9F:226:ILE:HG21	2:9O:222:LEU:CB	1.79	0.93
2:1i:41:TYR:CE2	2:1i:57:MET:CE	2.47	0.93
2:1k:234:LEU:HD12	2:3k:234:LEU:CD2	1.89	0.93
2:2i:209:LEU:HD21	2:3o:209:LEU:CD2	1.98	0.93
2:8k:175:PHE:C	2:9G:167:LYS:HD3	1.93	0.93
2:8k:279:ILE:HA	2:9G:248:GLY:HA3	1.03	0.93
2:2n:57:MET:HE3	2:1s:61:ALA:HB1	1.48	0.93
2:1q:227:GLY:O	2:1x:230:VAL:HA	1.67	0.93
2:1t:41:TYR:CE1	2:1t:57:MET:SD	2.61	0.93
2:2o:77:LEU:HD11	2:2o:110:LEU:HD21	1.46	0.93
2:3q:41:TYR:CE1	2:3q:57:MET:SD	2.61	0.93
2:3t:41:TYR:CE2	2:3t:57:MET:CE	2.47	0.93
2:4l:247:LYS:HD2	2:3x:238:THR:C	1.92	0.93
2:8w:148[B]:ILE:HD13	2:9I:148[B]:ILE:HD13	1.45	0.93
2:8z:118:ILE:HG12	2:8z:120:ILE:HG23	1.49	0.93
2:9L:41:TYR:CE1	2:9L:57:MET:SD	2.61	0.93
2:1v:247:LYS:CB	2:3v:238:THR:C	2.38	0.93
2:2u:19:LEU:HD12	2:2u:41:TYR:HD2	1.29	0.93
2:3w:41:TYR:CE1	2:3w:57:MET:SD	2.61	0.93
2:5m:279:ILE:HD12	2:6w:251:VAL:HG11	1.46	0.93
2:6w:41:TYR:CE1	2:6w:57:MET:SD	2.61	0.93
2:7w:278:ILE:CD1	2:9R:278:ILE:CG2	2.40	0.93
1:3D:443:SER:OG	2:3g:56:ASN:ND2	2.00	0.93
1:4L:448:ALA:HB3	2:4h:41:TYR:CE1	2.01	0.93
1:7V:448:ALA:O	2:7v:58:TYR:O	1.86	0.93
2:1e:234:LEU:HD21	2:2Z:242:LEU:HB2	1.42	0.93
2:1g:243:GLY:O	2:3g:245:VAL:N	2.00	0.93
2:3g:209:LEU:CD2	2:2x:209:LEU:HD21	1.99	0.93
2:5f:41:TYR:CE1	2:5f:57:MET:SD	2.61	0.93
2:7c:148[B]:ILE:HD11	2:8j:148[B]:ILE:HD12	1.49	0.93
2:1k:174:LEU:O	2:3k:171:GLN:NE2	2.00	0.93
2:2g:273:LEU:CD2	2:3i:279:ILE:HG22	1.97	0.93
2:2h:226:ILE:CD1	2:3p:226:ILE:HG12	1.96	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6j:227:GLY:HA3	2:5j:223:ARG:NH1	1.84	0.93
2:2m:251:VAL:HG13	2:4j:279:ILE:HD12	1.48	0.93
2:3o:41:TYR:CE1	2:3o:57:MET:SD	2.61	0.93
2:8q:201:VAL:HG22	2:9H:197:GLN:HE21	1.15	0.93
2:8v:41:TYR:CE1	2:8v:57:MET:SD	2.61	0.93
2:2s:251:VAL:O	2:3w:274:LYS:NZ	2.01	0.93
2:3q:247:LYS:H	2:4k:238:THR:C	1.75	0.93
2:4l:41:TYR:CE1	2:4l:57:MET:SD	2.61	0.93
2:6s:226:ILE:HG22	2:7o:222:LEU:HD13	0.95	0.93
2:6t:111:VAL:CG2	2:7r:57:MET:HE2	1.98	0.93
2:8w:41:TYR:CE1	2:8w:57:MET:SD	2.61	0.93
2:8w:76:ASN:HD21	2:8w:116:LYS:CD	1.79	0.93
1:5E:445:GLY:O	2:5e:44:VAL:N	2.02	0.93
1:8F:443:SER:HA	2:8g:45:LYS:HZ2	1.31	0.93
1:1N:448:ALA:CB	2:1n:41:TYR:HD1	1.61	0.93
2:2b:209:LEU:O	2:3e:206:VAL:CG2	2.14	0.93
2:2d:148[B]:ILE:CD1	2:3k:148[B]:ILE:HD12	1.96	0.93
2:3f:41:TYR:CE2	2:3f:57:MET:CE	2.47	0.93
2:3g:274:LYS:NZ	2:2x:251:VAL:O	2.01	0.93
2:6e:41:TYR:CE1	2:6e:57:MET:SD	2.61	0.93
2:8h:41:TYR:CE1	2:8h:57:MET:SD	2.61	0.93
2:8j:41:TYR:CE1	2:8j:57:MET:SD	2.61	0.93
2:9F:242:LEU:O	2:9O:234:LEU:HD21	1.44	0.93
2:1j:244:GLY:HA3	2:3j:242:LEU:CB	1.81	0.93
2:2i:193:LYS:HB3	2:3o:200:LEU:O	1.67	0.93
2:6i:254:SER:C	2:8o:263:VAL:CG1	2.41	0.93
2:6k:202:SER:HB3	2:7e:193:LYS:CD	1.98	0.93
2:8k:76:ASN:HD21	2:8k:116:LYS:CD	1.78	0.93
2:8n:227:GLY:C	2:7n:223:ARG:HD3	1.93	0.93
2:8n:257:THR:C	2:8r:259:VAL:HG11	1.94	0.93
2:1n:234:LEU:HD23	2:3n:242:LEU:HB2	1.48	0.93
2:1o:243:GLY:O	2:3o:245:VAL:N	2.00	0.93
2:2j:247:LYS:CB	2:1t:239:THR:HG23	1.95	0.93
2:3m:247:LYS:H	2:4i:238:THR:C	1.75	0.93
2:6m:41:TYR:CE1	2:6m:57:MET:SD	2.61	0.93
2:8q:41:TYR:CE1	2:8q:57:MET:SD	2.61	0.93
2:1s:200:LEU:O	2:3s:193:LYS:HB3	1.68	0.93
2:2r:226:ILE:CD1	2:3x:226:ILE:HG12	1.97	0.93
2:3r:41:TYR:CE2	2:3r:57:MET:CE	2.47	0.93
2:8w:175:PHE:C	2:9I:167:LYS:HD3	1.93	0.93
2:3w:76:ASN:HD21	2:3w:116:LYS:CD	1.79	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5n:41:TYR:CE1	2:5n:57:MET:SD	2.61	0.93
1:7I:448:ALA:N	2:7e:41:TYR:CE1	2.35	0.93
2:1f:234:LEU:HD23	2:3f:242:LEU:HB2	1.49	0.93
2:1h:41:TYR:CE1	2:1h:57:MET:SD	2.61	0.93
2:2c:203:ASN:HD22	2:3l:212:GLY:HA3	1.32	0.93
2:6f:41:TYR:CE2	2:6f:57:MET:CE	2.47	0.93
2:7a:240:THR:O	2:6v:246:LYS:CE	2.16	0.93
2:9F:226:ILE:CB	2:9O:222:LEU:CB	2.44	0.93
2:6i:41:TYR:CE1	2:6i:57:MET:SD	2.61	0.93
2:6k:227:GLY:CA	2:7e:223:ARG:HH11	1.81	0.93
2:8p:118:ILE:HG12	2:8p:120:ILE:HG23	1.49	0.93
2:6m:118:ILE:HG12	2:6m:120:ILE:HG23	1.49	0.93
2:6o:202:SER:HB3	2:7j:193:LYS:CD	1.98	0.93
2:6p:111:VAL:CG2	2:7m:57:MET:HE2	1.98	0.93
2:8t:280:SER:HG	2:7s:247:LYS:HE2	1.30	0.93
2:1r:41:TYR:CE1	2:1r:57:MET:SD	2.61	0.93
2:2q:209:LEU:O	2:3q:206:VAL:CG2	2.14	0.93
2:2s:209:LEU:HD21	2:3w:209:LEU:CD2	1.98	0.93
2:6q:41:TYR:CE1	2:6q:57:MET:SD	2.61	0.93
2:6q:118:ILE:HG12	2:6q:120:ILE:HG23	1.49	0.93
2:6q:254:SER:O	2:9K:263:VAL:CG1	2.15	0.93
2:6s:239:THR:O	2:7o:246:LYS:CD	2.16	0.93
2:1u:236:ALA:HA	2:2t:242:LEU:HD11	1.47	0.93
2:6u:41:TYR:CE1	2:6u:57:MET:SD	2.61	0.93
2:6w:118:ILE:HG12	2:6w:120:ILE:HG23	1.49	0.93
2:6w:125:ILE:HG12	2:7t:120:ILE:HD11	1.49	0.93
2:9P:41:TYR:CE1	2:9P:57:MET:SD	2.61	0.93
1:8A:448:ALA:CB	2:8e:57:MET:HA	1.97	0.93
1:6X:447:GLN:HE22	2:6q:56:ASN:ND2	1.48	0.93
1:7W:355:SER:HB2	1:7W:370:THR:H	1.34	0.93
2:5f:223:ARG:NH1	2:6v:227:GLY:HA3	1.84	0.93
2:6g:125:ILE:HG12	2:7Z:120:ILE:HD11	1.49	0.93
2:6g:202:SER:HB3	2:7Z:193:LYS:CD	1.98	0.93
2:6g:226:ILE:CG2	2:7Z:222:LEU:CD1	2.28	0.93
2:8h:227:GLY:C	2:7i:223:ARG:HD3	1.93	0.93
2:1i:120:ILE:HD11	2:2e:120:ILE:CD1	1.97	0.93
2:3k:41:TYR:CE1	2:3k:57:MET:SD	2.61	0.93
2:5h:41:TYR:CE1	2:5h:57:MET:SD	2.61	0.93
2:8m:234:LEU:CD2	2:9H:242:LEU:C	2.23	0.93
2:1n:247:LYS:CG	2:3n:239:THR:HG23	1.99	0.93
2:2l:223:ARG:CD	2:3m:228:ALA:CA	2.45	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:251:VAL:O	2:3s:274:LYS:NZ	2.01	0.93
2:5j:41:TYR:CE1	2:5j:57:MET:SD	2.61	0.93
2:7k:77:LEU:CD1	2:7k:110:LEU:CD2	2.36	0.93
2:7m:231:PRO:HG3	2:8v:229:GLY:HA2	1.50	0.93
2:1q:41:TYR:CE2	2:1q:57:MET:CE	2.47	0.93
2:2p:242:LEU:CA	2:3r:244:GLY:CA	2.43	0.93
2:2r:240:THR:CA	2:3x:246:LYS:HG2	1.98	0.93
2:6s:202:SER:HB3	2:7o:193:LYS:CD	1.98	0.93
2:2u:206:VAL:HG11	2:3v:210:LEU:HD23	0.95	0.93
2:4n:41:TYR:CE1	2:4n:57:MET:SD	2.61	0.93
2:9R:41:TYR:CE1	2:9R:57:MET:SD	2.61	0.93
1:6H:443:SER:HA	2:6k:56:ASN:ND2	1.83	0.93
2:1g:263:VAL:HG11	2:3g:256:ALA:H	1.32	0.93
2:2c:225:MET:CG	2:3l:214:PRO:HG3	1.99	0.93
2:6f:239:THR:HG23	2:5h:247:LYS:HB3	1.51	0.93
2:6g:226:ILE:HG22	2:7Z:222:LEU:HD12	1.49	0.93
2:8h:226:ILE:HD11	2:7i:226:ILE:CD1	1.97	0.93
2:8h:257:THR:C	2:8l:259:VAL:HG11	1.94	0.93
2:1j:247:LYS:HB2	2:3j:239:THR:N	1.73	0.93
2:2h:202:SER:H	2:3p:197:GLN:NE2	1.67	0.93
2:8k:175:PHE:HE1	2:9G:171:GLN:HG2	1.27	0.93
2:8m:200:LEU:CD1	2:9H:200:LEU:CD2	2.35	0.93
2:1p:41:TYR:CE1	2:1p:57:MET:SD	2.61	0.93
2:2l:197:GLN:NE2	2:3m:201:VAL:HA	1.81	0.93
2:2l:219:LYS:CG	2:3m:225:MET:O	2.16	0.93
2:2n:148[B]:ILE:HD11	2:3s:148[B]:ILE:CD1	1.98	0.93
2:2n:209:LEU:HD21	2:3s:209:LEU:CD2	1.98	0.93
2:6o:125:ILE:HG12	2:7j:120:ILE:HD11	1.49	0.93
2:6o:280:SER:HG	2:7j:247:LYS:HG2	1.19	0.93
2:2p:201:VAL:HG21	2:3r:210:LEU:HD22	1.48	0.93
2:2r:202:SER:H	2:3x:197:GLN:NE2	1.67	0.93
2:6q:249:ALA:O	2:9K:279:ILE:HB	1.68	0.93
2:7r:77:LEU:HD11	2:7r:110:LEU:HD21	1.46	0.93
2:7r:251:VAL:HG22	2:9L:270:ILE:HG21	1.50	0.93
2:2t:77:LEU:HD11	2:2t:110:LEU:HD21	1.46	0.93
2:2v:236:ALA:HA	2:3u:242:LEU:HD21	1.48	0.93
2:6w:227:GLY:CA	2:7t:223:ARG:HH11	1.81	0.93
1:8J:208:GLY:O	1:8J:212:GLU:HG3	1.68	0.93
1:1U:443:SER:OG	2:1s:45:LYS:CE	2.17	0.93
1:4c:444:GLY:O	2:4m:53:THR:OG1	1.86	0.93
2:1e:120:ILE:HD11	2:2Z:120:ILE:CD1	1.97	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4f:41:TYR:CE1	2:4f:57:MET:SD	2.61	0.93
2:5e:111:VAL:HG22	2:7Z:57:MET:CE	1.98	0.93
2:6e:125:ILE:HG12	2:7g:120:ILE:HD11	1.49	0.93
2:6f:246:LYS:CE	2:7f:240:THR:O	2.16	0.93
2:7b:19:LEU:HD12	2:7b:41:TYR:HD2	1.29	0.93
2:8e:41:TYR:CE1	2:8e:57:MET:SD	2.61	0.93
2:2i:148[B]:ILE:HD11	2:3o:148[B]:ILE:CD1	1.98	0.93
2:3i:247:LYS:H	2:4g:238:THR:C	1.75	0.93
2:6j:246:LYS:CE	2:7k:240:THR:O	2.16	0.93
2:8n:41:TYR:CE1	2:8n:57:MET:SD	2.61	0.93
2:8p:41:TYR:CE1	2:8p:57:MET:SD	2.61	0.93
2:1m:247:LYS:C	2:2j:239:THR:CG2	2.42	0.93
2:4j:247:LYS:HD2	2:3t:238:THR:C	1.92	0.93
2:6n:227:GLY:HA3	2:5l:223:ARG:NH1	1.84	0.93
2:8q:259:VAL:HG11	2:9H:258:ASP:C	1.94	0.93
2:9H:77:LEU:CD1	2:9H:110:LEU:CD2	2.36	0.93
2:2s:148[B]:ILE:HD12	2:1w:148[B]:ILE:HD11	1.46	0.93
2:6r:246:LYS:CE	2:7u:240:THR:O	2.16	0.93
2:8y:222:LEU:CB	2:9J:226:ILE:CB	2.44	0.93
2:8y:222:LEU:C	2:9J:226:ILE:HD12	1.94	0.93
2:8z:41:TYR:CE1	2:8z:57:MET:SD	2.61	0.93
2:9J:77:LEU:CD1	2:9J:110:LEU:CD2	2.36	0.93
2:9J:77:LEU:HD11	2:9J:110:LEU:HD21	1.46	0.93
1:3C:202:GLU:CD	1:3C:343:SER:CB	2.41	0.93
1:3U:448:ALA:HB3	2:3t:41:TYR:CD2	2.04	0.93
1:8Z:447:GLN:CB	2:9N:56:ASN:HB2	1.99	0.93
2:1g:174:LEU:O	2:3g:171:GLN:NE2	2.00	0.93
2:6e:59:PRO:HG2	2:7g:59:PRO:O	1.68	0.93
2:6g:206:VAL:CG1	2:7Z:210:LEU:CD2	2.47	0.93
2:7c:254:SER:OG	2:8j:263:VAL:HG13	1.69	0.93
2:7d:226:ILE:CD1	2:9P:226:ILE:HD11	1.98	0.93
2:8e:225:MET:SD	2:9F:212:GLY:CA	2.56	0.93
2:1i:242:LEU:HD22	2:1p:245:VAL:N	1.84	0.93
2:4h:41:TYR:CE1	2:4h:57:MET:SD	2.61	0.93
2:7e:77:LEU:HD11	2:7e:110:LEU:HD21	1.46	0.93
2:1n:118:ILE:HG12	2:1n:120:ILE:HG23	1.49	0.93
2:2m:206:VAL:CG2	2:3t:209:LEU:CG	2.28	0.93
2:5i:111:VAL:CG2	2:7j:57:MET:CE	2.46	0.93
2:6o:41:TYR:CE1	2:6o:57:MET:SD	2.61	0.93
2:8q:200:LEU:HD23	2:9H:196:LEU:HD13	1.33	0.93
2:8t:226:ILE:HD11	2:7s:226:ILE:CD1	1.97	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:237:ALA:HB2	2:3s:245:VAL:O	1.69	0.93
2:2s:279:ILE:HD12	2:1w:251:VAL:CG1	1.96	0.93
2:3s:118:ILE:HG12	2:3s:120:ILE:HG23	1.49	0.93
2:5k:111:VAL:CG2	2:7o:57:MET:CE	2.46	0.93
2:1v:41:TYR:CE1	2:1v:57:MET:SD	2.61	0.93
2:1v:234:LEU:HD23	2:3v:242:LEU:HB2	1.49	0.93
2:3w:118:ILE:HG12	2:3w:120:ILE:HG23	1.49	0.93
2:5m:280:SER:O	2:6w:250:ALA:CA	2.15	0.93
2:1f:247:LYS:HB2	2:3f:239:THR:N	1.73	0.93
2:1g:200:LEU:O	2:3g:193:LYS:HB3	1.68	0.93
2:6h:111:VAL:CG2	2:7c:57:MET:HE2	1.98	0.93
2:9F:203:ASN:ND2	2:9O:212:GLY:HA3	1.78	0.93
2:2e:247:LYS:CB	2:1p:239:THR:HG23	1.95	0.93
2:2f:206:VAL:HG11	2:3j:210:LEU:HD23	0.95	0.93
2:2h:226:ILE:O	2:3p:223:ARG:HG3	1.66	0.93
2:2i:57:MET:HE3	2:1o:61:ALA:HB1	1.48	0.93
2:2i:77:LEU:CD1	2:2i:110:LEU:CD2	2.36	0.93
2:6k:206:VAL:CG1	2:7e:210:LEU:CD2	2.47	0.93
2:7i:77:LEU:CD1	2:7i:110:LEU:CD2	2.36	0.93
2:1o:200:LEU:C	2:3o:193:LYS:HD3	1.94	0.93
2:2k:201:VAL:HG21	2:3n:210:LEU:HD22	1.48	0.93
2:2m:202:SER:H	2:3t:197:GLN:NE2	1.67	0.93
2:6n:246:LYS:CE	2:7p:240:THR:O	2.16	0.93
2:6p:111:VAL:HG22	2:7m:57:MET:CE	1.97	0.93
2:8t:227:GLY:C	2:7s:223:ARG:HD3	1.93	0.93
2:8t:253:ALA:HB1	2:8x:267:ASN:OD1	1.69	0.93
2:1s:281:LEU:C	2:3s:250:ALA:CB	2.42	0.93
2:5k:111:VAL:HG22	2:7o:57:MET:CE	1.98	0.93
2:6s:227:GLY:CA	2:7o:223:ARG:HH11	1.81	0.93
2:7q:77:LEU:CD1	2:7q:110:LEU:CD2	2.36	0.93
2:5m:111:VAL:CG2	2:7t:57:MET:CE	2.46	0.93
2:5m:269:LEU:HD23	2:6w:269:LEU:CD2	1.99	0.93
2:6u:118:ILE:HG12	2:6u:120:ILE:HG23	1.49	0.93
2:9M:201:VAL:HG22	2:9J:197:GLN:HE21	1.15	0.93
2:1e:244:GLY:H	2:2Z:242:LEU:CD1	1.78	0.93
2:1f:41:TYR:CE1	2:1f:57:MET:SD	2.61	0.93
2:1g:200:LEU:C	2:3g:193:LYS:HD3	1.93	0.93
2:1g:234:LEU:HD13	2:3g:234:LEU:HD13	1.46	0.93
2:2a:206:VAL:HG11	2:3f:210:LEU:HD23	0.95	0.93
2:2b:246:LYS:HD3	2:3e:239:THR:O	1.69	0.93
2:2c:226:ILE:O	2:3l:223:ARG:HG3	1.66	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:248:GLY:O	2:3k:280:SER:OG	1.87	0.93
2:3h:214:PRO:HG3	2:2w:225:MET:CG	1.99	0.93
2:7b:120:ILE:HD11	2:6u:125:ILE:HG12	1.49	0.93
2:8g:212:GLY:HA3	2:9G:203:ASN:ND2	1.78	0.93
2:3i:41:TYR:CE1	2:3i:57:MET:SD	2.61	0.93
2:7h:259:VAL:CG2	2:8p:259:VAL:CG2	2.40	0.93
2:8k:240:THR:CA	2:9G:246:LYS:HZ3	1.82	0.93
2:6o:227:GLY:CA	2:7j:223:ARG:HH11	1.81	0.93
2:1r:228:ALA:HB1	2:3r:228:ALA:HB2	1.40	0.93
2:2p:206:VAL:HG11	2:3r:210:LEU:HD23	0.95	0.93
2:3s:41:TYR:CE1	2:3s:57:MET:SD	2.61	0.93
2:5k:280:SER:O	2:6s:250:ALA:CA	2.15	0.93
2:8y:222:LEU:CB	2:9J:226:ILE:HG21	1.79	0.93
2:3x:41:TYR:CE2	2:3x:57:MET:CE	2.47	0.93
1:6N:443:SER:HA	2:6o:56:ASN:HD22	1.25	0.92
1:6X:445:GLY:N	2:6q:44:VAL:HG23	1.84	0.92
1:7T:447:GLN:O	2:7r:42:VAL:HG12	1.68	0.92
2:2c:251:VAL:HG13	2:4f:279:ILE:HD12	1.48	0.92
2:3g:41:TYR:CE1	2:3g:57:MET:SD	2.61	0.92
2:3h:246:LYS:HG2	2:2w:240:THR:CA	1.98	0.92
2:6e:76:ASN:HD21	2:6e:116:LYS:HD2	1.35	0.92
2:8e:279:ILE:HA	2:9F:248:GLY:HA3	1.04	0.92
2:8g:246:LYS:HA	2:9G:238:THR:O	1.70	0.92
2:1i:227:GLY:O	2:1p:230:VAL:HA	1.67	0.92
2:1j:118:ILE:HG12	2:1j:120:ILE:HG23	1.49	0.92
2:1k:281:LEU:C	2:3k:250:ALA:CB	2.42	0.92
2:3k:118:ILE:HG12	2:3k:120:ILE:HG23	1.49	0.92
2:7h:251:VAL:HG22	2:8p:270:ILE:HG21	1.50	0.92
2:8m:222:LEU:C	2:9H:226:ILE:HD12	1.94	0.92
2:8m:270:ILE:HD13	2:8q:252:THR:O	1.69	0.92
2:1m:244:GLY:H	2:2j:242:LEU:CD1	1.78	0.92
2:2k:239:THR:H	2:3n:247:LYS:CB	1.81	0.92
2:5j:118:ILE:HG12	2:5j:120:ILE:HG23	1.49	0.92
2:1s:200:LEU:C	2:3s:193:LYS:HD3	1.94	0.92
2:2s:248:GLY:O	2:3w:280:SER:OG	1.87	0.92
2:5l:41:TYR:CE1	2:5l:57:MET:SD	2.61	0.92
2:6q:59:PRO:HG2	2:7v:59:PRO:O	1.68	0.92
2:8w:118:ILE:HG12	2:8w:120:ILE:HG23	1.49	0.92
2:8w:259:VAL:HG11	2:9I:258:ASP:C	1.94	0.92
2:5m:111:VAL:HG22	2:7t:57:MET:CE	1.98	0.92
2:9M:279:ILE:HA	2:9J:248:GLY:HA3	1.04	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8P:208:GLY:O	1:8P:212:GLU:HG3	1.68	0.92
1:8P:448:ALA:HB3	2:8u:57:MET:HE1	1.50	0.92
1:4T:203:PRO:CB	1:4T:212:GLU:HG2	1.98	0.92
1:4Z:203:PRO:CB	1:4Z:212:GLU:HG2	1.98	0.92
2:1h:245:VAL:N	2:1u:242:LEU:HD22	1.84	0.92
2:2c:202:SER:H	2:3l:197:GLN:NE2	1.67	0.92
2:6g:76:ASN:HD21	2:6g:116:LYS:HD2	1.35	0.92
2:7d:223:ARG:HD3	2:9P:227:GLY:C	1.93	0.92
2:7d:247:LYS:CD	2:9P:239:THR:HG23	1.99	0.92
2:8e:148[B]:ILE:HD13	2:9F:148[B]:ILE:HD13	1.45	0.92
2:9F:238:THR:O	2:9O:246:LYS:HA	1.69	0.92
2:1k:200:LEU:C	2:3k:193:LYS:HD3	1.93	0.92
2:2i:245:VAL:HG22	2:3o:245:VAL:CG1	1.98	0.92
2:4h:118:ILE:HG12	2:4h:120:ILE:HG23	1.49	0.92
2:1o:281:LEU:C	2:3o:250:ALA:CB	2.42	0.92
2:2j:77:LEU:CD1	2:2j:110:LEU:CD2	2.35	0.92
2:3m:273:LEU:HD21	2:4i:279:ILE:CG2	1.99	0.92
2:6o:239:THR:O	2:7j:246:LYS:CD	2.16	0.92
2:7m:148[B]:ILE:HD11	2:8v:148[B]:ILE:HD12	1.49	0.92
2:8q:226:ILE:CA	2:9H:219:LYS:CG	2.28	0.92
2:8t:257:THR:C	2:8x:259:VAL:HG11	1.94	0.92
2:2p:228:ALA:CB	2:3r:228:ALA:HB3	1.99	0.92
2:5l:118:ILE:HG12	2:5l:120:ILE:HG23	1.49	0.92
2:6q:246:LYS:HG2	2:9K:242:LEU:HD23	1.51	0.92
2:7r:231:PRO:HG3	2:9L:229:GLY:HA2	1.50	0.92
2:8y:111:VAL:HG22	2:9J:57:MET:HE2	1.52	0.92
2:1w:174:LEU:O	2:3w:171:GLN:NE2	2.00	0.92
2:3w:76:ASN:HD21	2:3w:116:LYS:HD2	1.35	0.92
2:7w:254:SER:OG	2:9R:263:VAL:HG13	1.69	0.92
1:4B:203:PRO:CB	1:4B:212:GLU:HG2	1.98	0.92
1:6G:444:GLY:O	2:6l:45:LYS:CD	2.18	0.92
1:7J:448:ALA:CB	2:7h:60:LEU:HD12	1.99	0.92
1:5Q:201:ASP:CB	1:5Q:343:SER:HA	2.00	0.92
1:5Q:204:THR:CB	1:5Q:212:GLU:OE1	2.17	0.92
1:3U:447:GLN:HG2	2:3t:44:VAL:CG2	2.00	0.92
2:1g:61:ALA:HB1	2:2x:57:MET:HE3	1.48	0.92
2:1h:76:ASN:HD21	2:1h:116:LYS:HD2	1.35	0.92
2:2a:242:LEU:CA	2:3f:244:GLY:CA	2.43	0.92
2:3h:197:GLN:NE2	2:2w:202:SER:H	1.68	0.92
2:7d:228:ALA:HB1	2:9P:228:ALA:HB1	1.48	0.92
2:8e:252:THR:O	2:9O:270:ILE:HD13	1.69	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:247:LYS:HB2	2:9G:239:THR:N	1.84	0.92
2:9F:226:ILE:HD12	2:9O:222:LEU:C	1.94	0.92
2:1j:41:TYR:CE1	2:1j:57:MET:SD	2.61	0.92
2:1k:279:ILE:HA	2:3k:248:GLY:HA3	1.52	0.92
2:2e:214:PRO:CG	2:1p:225:MET:HG2	2.00	0.92
2:8m:242:LEU:CD2	2:8q:246:LYS:HG3	1.98	0.92
2:8q:274:LYS:NZ	2:9H:251:VAL:C	2.25	0.92
2:8s:236:ALA:CA	2:9I:242:LEU:CD1	2.44	0.92
2:8t:41:TYR:CE1	2:8t:57:MET:SD	2.61	0.92
2:1r:200:LEU:CD1	2:3r:200:LEU:CD2	2.44	0.92
2:2s:120:ILE:HD11	2:3w:125:ILE:HG12	1.49	0.92
2:3q:273:LEU:HD21	2:4k:279:ILE:CG2	1.99	0.92
2:6q:258:ASP:H	2:9K:259:VAL:HG11	1.32	0.92
2:8y:212:GLY:HA3	2:9J:203:ASN:ND2	1.78	0.92
2:2w:251:VAL:HG13	2:4n:279:ILE:HD12	1.48	0.92
2:6u:76:ASN:HD21	2:6u:116:LYS:HD2	1.35	0.92
2:6w:206:VAL:CG1	2:7t:210:LEU:CD2	2.47	0.92
1:4L:445:GLY:N	2:4h:44:VAL:HG22	1.85	0.92
1:4N:203:PRO:CA	1:4N:212:GLU:HG2	2.00	0.92
1:5W:204:THR:CB	1:5W:212:GLU:OE1	2.17	0.92
1:1a:447:GLN:HG3	2:1w:60:LEU:HD12	1.51	0.92
1:5c:204:THR:CB	1:5c:212:GLU:OE1	2.17	0.92
2:1f:247:LYS:CG	2:3f:239:THR:HG23	1.99	0.92
2:1h:225:MET:HG2	2:2t:214:PRO:CG	1.99	0.92
2:2Z:223:ARG:HD3	2:1l:228:ALA:CA	2.00	0.92
2:1l:41:TYR:CE1	2:1l:57:MET:SD	2.61	0.92
2:1l:76:ASN:HD21	2:1l:116:LYS:HD2	1.35	0.92
2:6i:76:ASN:HD21	2:6i:116:LYS:HD2	1.35	0.92
2:7h:254:SER:OG	2:8p:263:VAL:HG13	1.69	0.92
2:7h:266:LEU:N	2:8p:266:LEU:HD21	1.81	0.92
2:2k:238:THR:C	2:3n:247:LYS:HB2	1.92	0.92
2:2l:273:LEU:CD2	2:3m:279:ILE:HG22	1.97	0.92
2:2n:193:LYS:HB3	2:3s:200:LEU:O	1.67	0.92
2:6n:41:TYR:CE2	2:6n:57:MET:CE	2.47	0.92
2:1q:242:LEU:HD22	2:1x:245:VAL:N	1.84	0.92
2:2s:234:LEU:HD21	2:3w:243:GLY:HA2	1.47	0.92
2:3s:76:ASN:HD21	2:3s:116:LYS:HD2	1.35	0.92
2:8z:239:THR:HG23	2:7x:247:LYS:CD	1.99	0.92
2:1v:118:ILE:HG12	2:1v:120:ILE:HG23	1.49	0.92
1:2G:356:PRO:HD2	1:2G:369:PHE:HD2	1.35	0.92
1:2Q:356:PRO:HD2	1:2Q:369:PHE:HD2	1.35	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7R:355:SER:HB2	1:7R:370:THR:H	1.34	0.92
1:8c:445:GLY:O	2:9P:44:VAL:N	2.02	0.92
2:2a:228:ALA:CB	2:3f:228:ALA:HB3	1.99	0.92
2:3g:76:ASN:HD21	2:3g:116:LYS:HD2	1.35	0.92
2:6f:206:VAL:HG11	2:5h:210:LEU:HD23	1.49	0.92
2:9F:239:THR:N	2:9O:247:LYS:HB2	1.84	0.92
2:2f:238:THR:C	2:3j:247:LYS:HB2	1.92	0.92
2:5g:111:VAL:HG22	2:7e:57:MET:CE	1.98	0.92
2:6i:118:ILE:HG12	2:6i:120:ILE:HG23	1.49	0.92
2:6l:111:VAL:CG2	2:7h:57:MET:HE2	1.98	0.92
2:8m:222:LEU:CB	2:9H:226:ILE:CB	2.44	0.92
2:8m:246:LYS:HA	2:9H:238:THR:O	1.69	0.92
2:8o:61:ALA:HB3	2:7l:57:MET:HB3	1.49	0.92
2:1m:242:LEU:HD22	2:1t:245:VAL:N	1.84	0.92
2:2j:223:ARG:HD3	2:1t:228:ALA:CA	2.00	0.92
2:2l:246:LYS:HD3	2:3m:239:THR:O	1.69	0.92
2:8q:175:PHE:C	2:9H:167:LYS:HD3	1.93	0.92
2:8s:247:LYS:HB2	2:9I:239:THR:N	1.84	0.92
2:1r:247:LYS:CB	2:3r:238:THR:C	2.38	0.92
2:6r:239:THR:HG23	2:5n:247:LYS:HB3	1.51	0.92
2:6s:41:TYR:CE1	2:6s:57:MET:SD	2.61	0.92
2:8w:174:LEU:HD23	2:9I:170:LEU:HD13	1.51	0.92
2:6u:254:SER:C	2:9Q:263:VAL:CG1	2.42	0.92
2:6w:226:ILE:HG22	2:7t:222:LEU:HD13	0.95	0.92
1:4E:199:LYS:HB3	1:4E:202:GLU:CD	1.95	0.92
1:7D:448:ALA:CA	2:7Z:41:TYR:CE1	2.51	0.92
1:3I:447:GLN:HG2	2:3l:44:VAL:HG21	1.48	0.92
1:5K:201:ASP:CB	1:5K:343:SER:HA	1.99	0.92
1:9C:445:GLY:HA3	2:9H:54:GLN:O	1.69	0.92
1:6S:447:GLN:NE2	2:6t:58:TYR:HB2	1.85	0.92
1:1Y:446:ALA:HA	2:1u:42:VAL:O	1.69	0.92
1:9E:446:ALA:CB	2:9J:41:TYR:CE2	2.31	0.92
2:1g:279:ILE:HA	2:3g:248:GLY:HA3	1.52	0.92
2:1h:196:LEU:HD22	2:2t:183:PHE:HZ	1.35	0.92
2:2Z:214:PRO:CG	2:1l:225:MET:HG2	2.00	0.92
2:2b:273:LEU:CD2	2:3e:279:ILE:HG22	1.97	0.92
2:2d:57:MET:HE3	2:1k:61:ALA:HB1	1.48	0.92
2:3e:76:ASN:HD21	2:3e:116:LYS:HD2	1.35	0.92
2:3g:245:VAL:CG1	2:2x:245:VAL:HG22	1.99	0.92
2:5f:210:LEU:HD23	2:6v:206:VAL:HG11	1.49	0.92
2:6g:279:ILE:CG2	2:7Z:273:LEU:HD21	1.99	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:259:VAL:HG21	2:3k:259:VAL:N	1.54	0.92
2:2e:223:ARG:HG2	2:1p:228:ALA:HB2	1.51	0.92
2:2i:248:GLY:O	2:3o:280:SER:OG	1.87	0.92
2:3i:273:LEU:HD21	2:4g:279:ILE:CG2	1.99	0.92
2:7h:148[B]:ILE:HD11	2:8p:148[B]:ILE:HD12	1.49	0.92
2:1p:76:ASN:HD21	2:1p:116:LYS:HD2	1.34	0.92
2:6m:59:PRO:HG2	2:7q:59:PRO:O	1.68	0.92
2:8s:222:LEU:C	2:9I:226:ILE:HD12	1.94	0.92
2:1r:229:GLY:O	2:3r:228:ALA:C	2.13	0.92
2:1s:267:ASN:ND2	2:3s:254:SER:N	1.97	0.92
2:2q:236:ALA:HA	2:3q:242:LEU:HD21	1.48	0.92
2:1u:226:ILE:CG1	2:2t:226:ILE:HD11	2.00	0.92
2:1v:229:GLY:O	2:3v:228:ALA:C	2.13	0.92
2:1w:200:LEU:C	2:3w:193:LYS:HD3	1.94	0.92
2:3u:76:ASN:HD21	2:3u:116:LYS:HD2	1.34	0.92
2:9Q:41:TYR:CE2	2:9Q:57:MET:CE	2.47	0.92
1:8F:202:GLU:O	1:8F:209:ALA:HB1	1.70	0.92
1:1I:443:SER:C	2:1k:45:LYS:HZ2	1.77	0.92
1:4H:203:PRO:CB	1:4H:212:GLU:HG2	1.98	0.92
1:7I:448:ALA:HA	2:7e:41:TYR:HD1	1.19	0.92
1:4N:203:PRO:CB	1:4N:212:GLU:HG2	1.98	0.92
1:7O:446:ALA:CB	2:7m:41:TYR:HE2	1.29	0.92
2:1f:118:ILE:HG12	2:1f:120:ILE:HG23	1.49	0.92
2:1h:239:THR:CA	2:2t:247:LYS:H	1.82	0.92
2:2b:244:GLY:O	2:3e:242:LEU:HD22	1.70	0.92
2:3h:223:ARG:CA	2:2w:226:ILE:CG1	2.46	0.92
2:6f:227:GLY:HA3	2:5h:223:ARG:NH1	1.84	0.92
2:8g:236:ALA:CA	2:9G:242:LEU:CD1	2.44	0.92
2:5g:266:LEU:HD13	2:6k:266:LEU:HA	1.51	0.92
2:8k:41:TYR:CE1	2:8k:57:MET:SD	2.61	0.92
2:8k:174:LEU:HD23	2:9G:170:LEU:HD13	1.51	0.92
2:8k:259:VAL:HG11	2:9G:258:ASP:C	1.94	0.92
2:3m:41:TYR:CE1	2:3m:57:MET:SD	2.61	0.92
2:5i:111:VAL:HG22	2:7j:57:MET:CE	1.98	0.92
2:1q:226:ILE:CG1	2:2o:226:ILE:HD11	2.00	0.92
2:2o:77:LEU:CD1	2:2o:110:LEU:CD2	2.36	0.92
2:2s:245:VAL:HG22	2:3w:245:VAL:CG1	1.98	0.92
2:6q:254:SER:C	2:9K:263:VAL:CG1	2.41	0.92
2:6s:239:THR:N	2:7o:247:LYS:H	1.68	0.92
2:6t:41:TYR:CE2	2:6t:57:MET:CE	2.47	0.92
2:2v:234:LEU:HD21	2:3u:243:GLY:CA	2.00	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2v:244:GLY:O	2:3u:242:LEU:HD22	1.70	0.92
2:5n:118:ILE:HG12	2:5n:120:ILE:HG23	1.49	0.92
2:6w:202:SER:HB3	2:7t:193:LYS:CD	1.98	0.92
2:9M:41:TYR:CE1	2:9M:57:MET:SD	2.61	0.92
2:9M:118:ILE:HG12	2:9M:120:ILE:HG23	1.49	0.92
2:9M:259:VAL:HG11	2:9J:258:ASP:C	1.94	0.92
1:5E:204:THR:CB	1:5E:212:GLU:OE1	2.17	0.92
1:5F:446:ALA:CA	2:5f:56:ASN:CB	2.46	0.92
1:8X:445:GLY:C	2:8y:44:VAL:HB	1.95	0.92
2:1g:281:LEU:C	2:3g:250:ALA:CB	2.42	0.92
2:2Z:183:PHE:HZ	2:1l:196:LEU:HD22	1.35	0.92
2:2d:273:LEU:HD23	2:3k:279:ILE:CG2	2.00	0.92
2:6e:254:SER:C	2:8i:263:VAL:CG1	2.42	0.92
2:8f:259:VAL:HG11	2:9P:257:THR:C	1.93	0.92
2:8i:61:ALA:HB3	2:7g:57:MET:HB3	1.49	0.92
2:1k:237:ALA:HB2	2:3k:245:VAL:O	1.69	0.92
2:2g:246:LYS:HD3	2:3i:239:THR:O	1.69	0.92
2:6i:258:ASP:H	2:8o:259:VAL:HG11	1.32	0.92
2:6j:239:THR:HG23	2:5j:247:LYS:HB3	1.51	0.92
2:2j:214:PRO:CG	2:1t:225:MET:HG2	2.00	0.92
2:8s:200:LEU:CD1	2:9I:200:LEU:CD2	2.35	0.92
2:2q:244:GLY:O	2:3q:242:LEU:HD22	1.70	0.92
2:8y:270:ILE:HD13	2:9M:252:THR:O	1.69	0.92
2:1w:263:VAL:HG11	2:3w:256:ALA:H	1.32	0.92
2:7w:250:ALA:HA	2:9R:280:SER:C	1.92	0.92
1:4B:203:PRO:CA	1:4B:212:GLU:HG2	2.00	0.92
1:4H:203:PRO:CA	1:4H:212:GLU:HG2	2.00	0.92
1:8L:202:GLU:O	1:8L:209:ALA:HB1	1.70	0.92
1:7M:26:ASN:OD1	2:8n:52:LEU:CD1	2.18	0.92
1:4T:203:PRO:CA	1:4T:212:GLU:HG2	2.00	0.92
1:8X:445:GLY:O	2:8y:44:VAL:CA	2.17	0.92
1:4d:448:ALA:CB	2:4n:41:TYR:HD1	1.49	0.92
1:5d:444:GLY:HA2	2:5n:44:VAL:H	1.33	0.92
1:7X:392:THR:HB	2:7t:46:ASP:OD2	1.70	0.92
2:2Z:247:LYS:H	2:1l:239:THR:CA	1.82	0.92
2:2b:236:ALA:HA	2:3e:242:LEU:HD21	1.48	0.92
2:3g:200:LEU:O	2:2x:193:LYS:HB3	1.68	0.92
2:6g:239:THR:O	2:7Z:246:LYS:CD	2.16	0.92
2:6g:239:THR:CG2	2:7Z:247:LYS:HB3	2.00	0.92
2:8e:175:PHE:C	2:9F:167:LYS:HD3	1.93	0.92
2:9F:226:ILE:HG21	2:9O:222:LEU:HB3	0.92	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1i:247:LYS:C	2:2e:239:THR:CG2	2.42	0.92
2:1j:247:LYS:CG	2:3j:239:THR:HG23	1.99	0.92
2:2f:200:LEU:HD21	2:3j:200:LEU:HD11	1.52	0.92
2:6k:206:VAL:HG13	2:7e:210:LEU:HD23	1.51	0.92
2:7m:259:VAL:HG22	2:8v:259:VAL:HG22	1.52	0.92
2:8q:132:GLY:HA3	2:9H:136:LEU:O	1.70	0.92
2:8s:247:LYS:HB3	2:9I:239:THR:CB	1.93	0.92
2:1r:76:ASN:HD21	2:1r:116:LYS:HD2	1.35	0.92
2:2o:247:LYS:H	2:1x:239:THR:CA	1.82	0.92
2:2p:239:THR:H	2:3r:247:LYS:CB	1.81	0.92
2:6s:280:SER:HG	2:7o:247:LYS:HG2	1.27	0.92
2:8y:41:TYR:CE2	2:8y:57:MET:CE	2.47	0.92
2:8y:246:LYS:HA	2:9J:238:THR:O	1.70	0.92
2:8z:253:ALA:HB1	2:9N:267:ASN:OD1	1.69	0.92
2:9K:73:VAL:HG11	2:7v:27:ILE:HA	1.48	0.92
2:6w:226:ILE:HG22	2:7t:222:LEU:HD12	1.49	0.92
2:6w:239:THR:CG2	2:7t:247:LYS:HB3	1.99	0.92
1:8L:443:SER:C	2:8m:45:LYS:HZ1	1.78	0.92
1:2M:25:ARG:CZ	2:4j:51:ASP:OD2	2.17	0.92
1:3W:448:ALA:HB3	2:3r:41:TYR:HD2	1.35	0.92
1:5X:444:GLY:CA	2:5l:44:VAL:H	1.81	0.92
1:7T:28:GLN:HG2	2:5l:52:LEU:CD1	2.00	0.92
1:8d:202:GLU:O	1:8d:209:ALA:HB1	1.70	0.92
2:1g:237:ALA:HB2	2:3g:245:VAL:O	1.69	0.92
2:5e:279:ILE:HB	2:6g:249:ALA:O	1.70	0.92
2:8f:259:VAL:HG11	2:9P:257:THR:CA	1.99	0.92
2:8g:223:ARG:NH1	2:9G:227:GLY:CA	2.05	0.92
2:8g:242:LEU:CD2	2:8k:246:LYS:HG3	1.98	0.92
2:2i:273:LEU:HD23	2:3o:279:ILE:CG2	2.00	0.92
2:5g:279:ILE:HB	2:6k:249:ALA:O	1.70	0.92
2:8m:247:LYS:HB2	2:9H:239:THR:N	1.84	0.92
2:8n:253:ALA:HB1	2:8r:267:ASN:OD1	1.69	0.92
2:6o:76:ASN:HD21	2:6o:116:LYS:HD2	1.35	0.92
2:6o:239:THR:N	2:7j:247:LYS:H	1.68	0.92
2:6o:279:ILE:CG2	2:7j:273:LEU:HD21	1.99	0.92
2:6p:41:TYR:CE2	2:6p:57:MET:CE	2.47	0.92
2:7m:111:VAL:HG13	2:8v:57:MET:HE2	1.52	0.92
2:8s:111:VAL:HG22	2:9I:57:MET:HE2	1.52	0.92
2:1q:244:GLY:H	2:2o:242:LEU:CD1	1.78	0.92
2:1q:247:LYS:C	2:2o:239:THR:CG2	2.42	0.92
2:2o:247:LYS:H	2:1x:239:THR:HA	1.35	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:234:LEU:HD21	2:3q:243:GLY:CA	2.00	0.92
2:2r:222:LEU:CD2	2:3x:209:LEU:HD21	2.00	0.92
2:2r:225:MET:CG	2:3x:214:PRO:HG3	1.99	0.92
2:8z:257:THR:CA	2:9N:259:VAL:HG11	2.00	0.92
2:1w:281:LEU:C	2:3w:250:ALA:CB	2.42	0.92
2:5m:266:LEU:HD13	2:6w:266:LEU:HA	1.51	0.92
2:9O:41:TYR:CE2	2:9O:57:MET:CE	2.47	0.92
1:6R:445:GLY:H	2:6m:45:LYS:CG	1.81	0.91
1:8V:448:ALA:HB3	2:9K:41:TYR:HD2	0.97	0.91
2:1e:242:LEU:HD22	2:1l:245:VAL:N	1.84	0.91
2:3g:280:SER:OG	2:2x:248:GLY:O	1.87	0.91
2:4f:118:ILE:HG12	2:4f:120:ILE:HG23	1.49	0.91
2:7a:238:THR:O	2:6v:247:LYS:N	2.04	0.91
2:8e:184:LEU:HD11	2:9F:184:LEU:HD22	1.52	0.91
2:8h:253:ALA:HB1	2:8l:267:ASN:OD1	1.69	0.91
2:9F:57:MET:HE2	2:9O:111:VAL:HG22	1.52	0.91
2:2f:239:THR:H	2:3j:247:LYS:CB	1.81	0.91
2:2g:236:ALA:HA	2:3i:242:LEU:HD21	1.48	0.91
2:6k:279:ILE:CG2	2:7e:273:LEU:HD21	1.99	0.91
2:1n:247:LYS:CG	2:3n:239:THR:CG2	2.48	0.91
2:2j:234:LEU:HD21	2:1t:243:GLY:HA2	1.47	0.91
2:6m:249:ALA:O	2:8u:279:ILE:HB	1.68	0.91
2:6m:254:SER:C	2:8u:263:VAL:CG1	2.42	0.91
2:1r:247:LYS:CG	2:3r:239:THR:CG2	2.48	0.91
2:1s:259:VAL:HG21	2:3s:259:VAL:N	1.53	0.91
2:3u:273:LEU:HD21	2:4m:279:ILE:CG2	1.99	0.91
2:6w:239:THR:N	2:7t:247:LYS:H	1.68	0.91
1:2R:407:ASN:HB2	2:2p:45:LYS:HG3	1.52	0.91
1:4T:203:PRO:HB3	1:4T:212:GLU:CB	2.01	0.91
1:6X:447:GLN:NE2	2:6q:56:ASN:HD22	1.41	0.91
1:4Z:203:PRO:HB3	1:4Z:212:GLU:CB	2.01	0.91
2:1h:228:ALA:HB2	2:2t:223:ARG:HG2	1.51	0.91
2:3e:273:LEU:HD21	2:4e:279:ILE:CG2	1.99	0.91
2:3g:125:ILE:HG12	2:2x:120:ILE:HD11	1.50	0.91
2:8e:259:VAL:HG11	2:9F:258:ASP:C	1.94	0.91
2:8h:239:THR:HG23	2:7i:247:LYS:CD	1.99	0.91
2:1i:226:ILE:CG1	2:2e:226:ILE:HD11	2.00	0.91
2:1j:234:LEU:HD23	2:3j:242:LEU:HB2	1.49	0.91
2:1k:200:LEU:O	2:3k:193:LYS:HB3	1.68	0.91
2:3i:76:ASN:HD21	2:3i:116:LYS:HD2	1.35	0.91
2:7h:231:PRO:HG3	2:8p:229:GLY:HA2	1.50	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:184:LEU:HD11	2:9G:184:LEU:HD22	1.52	0.91
2:1o:200:LEU:O	2:3o:193:LYS:HB3	1.68	0.91
2:2m:222:LEU:CD2	2:3t:209:LEU:HD21	2.00	0.91
2:5i:269:LEU:HD23	2:6o:269:LEU:CD2	1.99	0.91
2:5i:279:ILE:HB	2:6o:249:ALA:O	1.70	0.91
2:6o:206:VAL:CG1	2:7j:210:LEU:CD2	2.47	0.91
2:8q:200:LEU:CA	2:9H:193:LYS:HG2	1.82	0.91
2:2s:273:LEU:HD23	2:3w:279:ILE:CG2	2.00	0.91
2:5k:279:ILE:HB	2:6s:249:ALA:O	1.70	0.91
2:8w:184:LEU:HD11	2:9I:184:LEU:HD22	1.52	0.91
2:8y:247:LYS:HB3	2:9J:239:THR:CB	1.93	0.91
2:2u:239:THR:HG22	2:3v:247:LYS:CA	2.00	0.91
2:2v:210:LEU:HD23	2:3u:206:VAL:HG11	1.52	0.91
2:9M:132:GLY:HA3	2:9J:136:LEU:O	1.70	0.91
2:9M:174:LEU:HD23	2:9J:170:LEU:HD13	1.51	0.91
1:4F:443:SER:HA	2:4f:56:ASN:ND2	1.85	0.91
1:5K:204:THR:CB	1:5K:212:GLU:OE1	2.17	0.91
1:8V:208:GLY:O	1:8V:212:GLU:HG3	1.68	0.91
2:2a:200:LEU:HD21	2:3f:200:LEU:HD11	1.52	0.91
2:3g:279:ILE:CG2	2:2x:273:LEU:HD23	2.00	0.91
2:6e:256:ALA:O	2:8i:263:VAL:HG21	1.71	0.91
2:8e:76:ASN:HD21	2:8e:116:LYS:HD2	1.34	0.91
2:8e:175:PHE:HE1	2:9F:171:GLN:HG2	1.27	0.91
2:8e:232:TYR:HB2	2:9F:232:TYR:CB	1.91	0.91
2:8m:222:LEU:HB3	2:9H:226:ILE:HG21	0.91	0.91
2:1n:229:GLY:O	2:3n:228:ALA:C	2.13	0.91
2:1o:259:VAL:HG21	2:3o:259:VAL:N	1.54	0.91
2:2j:223:ARG:HG2	2:1t:228:ALA:HB2	1.51	0.91
2:2j:247:LYS:H	2:1t:239:THR:CA	1.82	0.91
2:2m:203:ASN:HD21	2:3t:212:GLY:HA2	1.27	0.91
2:6n:247:LYS:N	2:7p:238:THR:O	2.04	0.91
2:6r:227:GLY:HA3	2:5n:223:ARG:NH1	1.84	0.91
2:6s:76:ASN:HD21	2:6s:116:LYS:HD2	1.35	0.91
2:6s:239:THR:CG2	2:7o:247:LYS:HB3	2.00	0.91
2:7r:254:SER:OG	2:9L:263:VAL:HG13	1.69	0.91
2:1x:76:ASN:HD21	2:1x:116:LYS:HD2	1.34	0.91
2:2u:242:LEU:CA	2:3v:244:GLY:CA	2.43	0.91
1:4R:446:ALA:HB1	2:4j:56:ASN:HB2	1.51	0.91
1:8W:445:GLY:HA2	2:8z:45:LYS:HG2	0.96	0.91
1:2U:28:GLN:HE22	2:1h:27:ILE:HD12	1.33	0.91
1:7X:397:THR:HG22	2:7t:107:LEU:HB2	1.52	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1f:76:ASN:HD21	2:1f:116:LYS:HD2	1.35	0.91
2:2b:210:LEU:HD23	2:3e:206:VAL:HG11	1.52	0.91
2:5f:235:PRO:C	2:6v:242:LEU:HD13	1.96	0.91
2:5f:247:LYS:HB3	2:6v:239:THR:HG23	1.51	0.91
2:6f:209:LEU:O	2:7f:206:VAL:HG21	1.71	0.91
2:7c:259:VAL:HG22	2:8j:259:VAL:HG22	1.52	0.91
2:8e:132:GLY:HA3	2:9F:136:LEU:O	1.70	0.91
2:8e:278:ILE:HG21	2:9F:278:ILE:HG23	1.47	0.91
2:8g:222:LEU:C	2:9G:226:ILE:HD12	1.94	0.91
2:1j:229:GLY:O	2:3j:228:ALA:C	2.13	0.91
2:1j:247:LYS:CG	2:3j:239:THR:CG2	2.48	0.91
2:2e:247:LYS:H	2:1p:239:THR:HA	1.35	0.91
2:8k:201:VAL:HG22	2:9G:197:GLN:HE21	1.15	0.91
2:8n:257:THR:CA	2:8r:259:VAL:HG11	2.00	0.91
2:1m:111:VAL:HG22	2:2j:57:MET:HE2	1.48	0.91
2:1o:278:ILE:HG23	2:3o:278:ILE:HD11	1.48	0.91
2:2l:234:LEU:HD21	2:3m:243:GLY:CA	2.00	0.91
2:2n:245:VAL:HG22	2:3s:245:VAL:CG1	1.98	0.91
2:4j:118:ILE:HG12	2:4j:120:ILE:HG23	1.49	0.91
2:6n:239:THR:HG23	2:5l:247:LYS:HB3	1.51	0.91
2:8q:184:LEU:HD11	2:9H:184:LEU:HD22	1.52	0.91
2:2o:183:PHE:HZ	2:1x:196:LEU:HD22	1.35	0.91
2:2o:223:ARG:HG2	2:1x:228:ALA:HB2	1.51	0.91
2:2q:246:LYS:HD3	2:3q:239:THR:O	1.69	0.91
2:3q:76:ASN:HD21	2:3q:116:LYS:HD2	1.35	0.91
2:7r:111:VAL:HG13	2:9L:57:MET:HE2	1.53	0.91
2:8y:247:LYS:HB2	2:9J:239:THR:N	1.84	0.91
2:1v:247:LYS:CG	2:3v:239:THR:HG23	1.99	0.91
2:6w:279:ILE:CG2	2:7t:273:LEU:HD21	1.99	0.91
1:4H:203:PRO:HB3	1:4H:212:GLU:CB	2.00	0.91
1:4N:203:PRO:HB3	1:4N:212:GLU:CB	2.01	0.91
1:4Q:443:SER:OG	2:4i:56:ASN:OD1	1.87	0.91
1:5W:201:ASP:CB	1:5W:343:SER:HA	2.00	0.91
1:9D:446:ALA:N	2:9I:54:GLN:O	2.03	0.91
1:4Z:203:PRO:CA	1:4Z:212:GLU:HG2	2.00	0.91
1:8c:446:ALA:N	2:9P:44:VAL:HG22	1.85	0.91
2:1e:226:ILE:CG1	2:2Z:226:ILE:HD11	2.00	0.91
2:1e:247:LYS:HD3	2:2Z:239:THR:HG23	1.51	0.91
2:2c:222:LEU:CD2	2:3l:209:LEU:HD21	2.00	0.91
2:6e:246:LYS:HG2	2:8i:242:LEU:HD23	1.51	0.91
2:6g:242:LEU:HD13	2:7Z:236:ALA:N	1.72	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7d:200:LEU:HD11	2:9P:200:LEU:HD22	1.53	0.91
2:2h:222:LEU:CD2	2:3p:209:LEU:HD21	2.00	0.91
2:6i:249:ALA:O	2:8o:279:ILE:HB	1.68	0.91
2:1o:279:ILE:HA	2:3o:248:GLY:HA3	1.52	0.91
2:2j:183:PHE:HZ	2:1t:196:LEU:HD22	1.35	0.91
2:2m:203:ASN:HD22	2:3t:212:GLY:HA3	1.32	0.91
2:7m:254:SER:OG	2:8v:263:VAL:HG13	1.69	0.91
2:6s:206:VAL:CG1	2:7o:210:LEU:CD2	2.47	0.91
2:7r:259:VAL:HG22	2:9L:259:VAL:HG22	1.52	0.91
2:8w:267:ASN:HD21	2:9I:254:SER:HB3	0.75	0.91
2:8z:257:THR:C	2:9N:259:VAL:HG11	1.94	0.91
2:1u:244:GLY:H	2:2t:242:LEU:CD1	1.78	0.91
2:2v:246:LYS:HD3	2:3u:239:THR:O	1.69	0.91
1:5E:201:ASP:CB	1:5E:343:SER:HA	2.00	0.91
1:8Q:448:ALA:HB2	2:8t:41:TYR:CD1	2.06	0.91
1:5S:208:GLY:O	1:5S:212:GLU:CG	2.19	0.91
1:4c:199:LYS:HB3	1:4c:202:GLU:CD	1.95	0.91
2:1g:237:ALA:HB1	2:3g:246:LYS:C	1.96	0.91
2:1g:279:ILE:HG21	2:3g:272:VAL:HG11	1.35	0.91
2:6f:242:LEU:HD13	2:5h:235:PRO:C	1.96	0.91
2:6g:227:GLY:C	2:7Z:223:ARG:CD	2.43	0.91
2:7a:206:VAL:HG21	2:6v:209:LEU:O	1.71	0.91
2:8f:267:ASN:OD1	2:9P:253:ALA:HB1	1.69	0.91
2:4h:76:ASN:HD21	2:4h:116:LYS:HD2	1.35	0.91
2:8o:99:VAL:HG12	2:7l:28:ILE:HD11	1.52	0.91
2:4j:76:ASN:HD21	2:4j:116:LYS:HD2	1.35	0.91
2:6m:256:ALA:O	2:8u:263:VAL:HG21	1.71	0.91
2:6o:239:THR:O	2:7j:246:LYS:CB	2.18	0.91
2:8t:257:THR:CA	2:8x:259:VAL:HG11	2.00	0.91
2:1r:247:LYS:CG	2:3r:239:THR:HG23	1.99	0.91
2:1s:270:ILE:HG21	2:3s:251:VAL:CG2	1.76	0.91
2:6r:242:LEU:HD13	2:5n:235:PRO:C	1.96	0.91
2:8z:76:ASN:HD21	2:8z:116:LYS:HD2	1.35	0.91
2:1u:247:LYS:HD3	2:2t:239:THR:HG23	1.51	0.91
2:6u:246:LYS:HG2	2:9Q:242:LEU:HD23	1.51	0.91
2:6w:239:THR:O	2:7t:246:LYS:CD	2.16	0.91
2:7w:111:VAL:HG13	2:9R:57:MET:HE2	1.52	0.91
2:9P:76:ASN:HD21	2:9P:116:LYS:HD2	1.35	0.91
1:6F:445:GLY:C	2:6e:44:VAL:HG22	1.95	0.91
1:8B:447:GLN:CG	2:8f:44:VAL:HG21	1.99	0.91
1:1I:443:SER:OG	2:1k:45:LYS:CE	2.19	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4K:199:LYS:HB3	1:4K:202:GLU:CD	1.95	0.91
1:5M:208:GLY:O	1:5M:212:GLU:CG	2.19	0.91
1:5d:446:ALA:HB1	2:5n:56:ASN:HB2	0.91	0.91
2:1f:247:LYS:CG	2:3f:239:THR:CG2	2.48	0.91
2:2a:239:THR:H	2:3f:247:LYS:CB	1.81	0.91
2:2c:226:ILE:CG1	2:3l:223:ARG:CA	2.45	0.91
2:2d:245:VAL:HG22	2:3k:245:VAL:CG1	1.99	0.91
2:5e:269:LEU:HD23	2:6g:269:LEU:CD2	1.99	0.91
2:6g:239:THR:O	2:7Z:246:LYS:CB	2.18	0.91
2:8g:111:VAL:HG22	2:9G:57:MET:HE2	1.52	0.91
2:8g:270:ILE:HD13	2:8k:252:THR:O	1.69	0.91
2:2e:247:LYS:H	2:1p:239:THR:CA	1.82	0.91
2:2h:206:VAL:HG23	2:3p:209:LEU:HG	1.53	0.91
2:5g:269:LEU:HD23	2:6k:269:LEU:CD2	1.99	0.91
2:2m:206:VAL:HG23	2:3t:209:LEU:HG	1.53	0.91
2:8q:267:ASN:HD21	2:9H:254:SER:HB3	0.75	0.91
2:8s:246:LYS:HA	2:9I:238:THR:O	1.70	0.91
2:8u:61:ALA:HB3	2:7q:57:MET:HB3	1.49	0.91
2:1s:267:ASN:HD21	2:3s:254:SER:CB	1.65	0.91
2:1t:76:ASN:HD21	2:1t:116:LYS:HD2	1.34	0.91
2:6s:228:ALA:HB2	2:7o:223:ARG:HG2	1.53	0.91
2:1v:247:LYS:CG	2:3v:239:THR:CG2	2.48	0.91
2:1w:267:ASN:HD21	2:3w:254:SER:CB	1.65	0.91
2:7w:231:PRO:HG3	2:9R:229:GLY:HA2	1.50	0.91
2:9M:267:ASN:HD21	2:9J:254:SER:HB3	0.75	0.91
1:8D:445:GLY:HA2	2:8i:45:LYS:CB	2.01	0.91
1:1J:443:SER:HA	2:1l:56:ASN:HD21	1.34	0.91
1:5L:448:ALA:HA	2:5h:41:TYR:CD1	2.06	0.91
1:7I:448:ALA:CA	2:7e:41:TYR:CD1	2.53	0.91
1:5R:446:ALA:HA	2:5j:56:ASN:H	1.36	0.91
1:8X:445:GLY:N	2:8y:44:VAL:HB	1.85	0.91
1:9D:397:THR:HA	2:9I:107:LEU:CB	1.98	0.91
1:1Z:448:ALA:CB	2:1v:41:TYR:HD1	1.63	0.91
1:4d:448:ALA:HB1	2:4n:41:TYR:CD1	2.01	0.91
2:7c:111:VAL:HG13	2:8j:57:MET:HE2	1.52	0.91
2:7c:231:PRO:HG3	2:8j:229:GLY:HA2	1.50	0.91
2:2e:223:ARG:HD3	2:1p:228:ALA:CA	2.00	0.91
2:2h:226:ILE:CG1	2:3p:223:ARG:CA	2.45	0.91
2:8m:222:LEU:CB	2:9H:226:ILE:HG21	1.78	0.91
2:1o:267:ASN:HD21	2:3o:254:SER:CB	1.65	0.91
2:2k:228:ALA:CB	2:3n:228:ALA:HB3	1.99	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:244:GLY:O	2:3m:242:LEU:HD22	1.70	0.91
2:3o:76:ASN:HD21	2:3o:116:LYS:HD2	1.35	0.91
2:1s:199:LEU:O	2:3s:188:THR:OG1	1.89	0.91
2:1s:280:SER:HB2	2:3s:250:ALA:H	1.34	0.91
2:1v:200:LEU:CD1	2:3v:200:LEU:CD2	2.44	0.91
2:1v:226:ILE:HD11	2:3v:226:ILE:HD11	0.91	0.91
2:1w:199:LEU:O	2:3w:188:THR:OG1	1.89	0.91
1:8F:448:ALA:CB	2:8g:57:MET:HE1	2.00	0.91
1:1H:448:ALA:HB3	2:1j:41:TYR:HE1	1.15	0.91
1:7L:444:GLY:HA3	2:7l:45:LYS:HE3	1.53	0.91
1:7L:447:GLN:HG3	2:7l:44:VAL:HG11	1.50	0.91
1:7R:392:THR:HB	2:7p:14:MET:HE2	1.52	0.91
1:8X:445:GLY:H	2:8y:44:VAL:HB	1.36	0.91
2:1f:229:GLY:O	2:3f:228:ALA:C	2.13	0.91
2:6f:247:LYS:N	2:7f:238:THR:O	2.04	0.91
2:2h:203:ASN:HD22	2:3p:212:GLY:HA3	1.32	0.91
2:6j:242:LEU:HD13	2:5j:235:PRO:C	1.96	0.91
2:6k:239:THR:O	2:7e:246:LYS:CB	2.18	0.91
2:6k:239:THR:N	2:7e:247:LYS:H	1.68	0.91
2:7h:111:VAL:HG13	2:8p:57:MET:HE2	1.52	0.91
2:5i:266:LEU:HD13	2:6o:266:LEU:HA	1.51	0.91
2:6n:209:LEU:O	2:7p:206:VAL:HG21	1.71	0.91
2:8q:174:LEU:HD23	2:9H:170:LEU:HD13	1.51	0.91
2:8t:76:ASN:HD21	2:8t:116:LYS:HD2	1.35	0.91
2:1q:247:LYS:HD3	2:2o:239:THR:HG23	1.51	0.91
2:2o:214:PRO:CG	2:1x:225:MET:HG2	1.99	0.91
2:2o:223:ARG:HD3	2:1x:227:GLY:O	1.70	0.91
2:5k:269:LEU:HD23	2:6s:269:LEU:CD2	1.99	0.91
1:3J:443:SER:CA	2:3k:56:ASN:ND2	2.12	0.91
1:8H:447:GLN:HG2	2:8l:44:VAL:HG22	1.50	0.91
1:5R:443:SER:O	2:5j:44:VAL:CG2	2.18	0.91
1:9C:394:THR:HA	2:9H:16:TYR:CE1	2.06	0.91
1:6S:447:GLN:HG3	2:6t:60:LEU:CD1	2.01	0.91
1:8X:202:GLU:O	1:8X:209:ALA:HB1	1.70	0.91
1:8Y:446:ALA:HB3	2:9M:55:VAL:HG13	1.50	0.91
2:1g:243:GLY:O	2:3g:245:VAL:O	1.89	0.91
2:1h:228:ALA:CA	2:2t:223:ARG:HD3	2.00	0.91
2:2c:203:ASN:HD21	2:3l:212:GLY:HA2	1.28	0.91
2:3h:209:LEU:HD21	2:2w:222:LEU:CD2	2.00	0.91
2:7c:234:LEU:HD22	2:8j:234:LEU:CD1	2.01	0.91
2:8g:223:ARG:CG	2:9G:226:ILE:O	2.18	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:236:ALA:HA	2:9G:242:LEU:CD1	2.01	0.91
2:8h:76:ASN:HD21	2:8h:116:LYS:HD2	1.35	0.91
2:1j:76:ASN:HD21	2:1j:116:LYS:HD2	1.35	0.91
2:1j:226:ILE:HD11	2:3j:226:ILE:HD11	0.91	0.91
2:1k:278:ILE:HG23	2:3k:278:ILE:HD11	1.48	0.91
2:6k:76:ASN:HD21	2:6k:116:LYS:HD2	1.34	0.91
2:8m:111:VAL:HG22	2:9H:57:MET:HE2	1.52	0.91
2:1n:76:ASN:HD21	2:1n:116:LYS:HD2	1.35	0.91
2:2k:200:LEU:HD22	2:3n:200:LEU:HD11	1.20	0.91
2:2n:248:GLY:O	2:3s:280:SER:OG	1.87	0.91
2:6n:242:LEU:HD13	2:5l:235:PRO:C	1.96	0.91
2:6o:206:VAL:HG13	2:7j:210:LEU:HD23	1.51	0.91
2:8s:236:ALA:HA	2:9I:242:LEU:CD1	2.01	0.91
2:2o:223:ARG:HD3	2:1x:228:ALA:CA	2.00	0.91
2:2r:226:ILE:CG1	2:3x:223:ARG:CA	2.45	0.91
2:6s:239:THR:O	2:7o:246:LYS:CB	2.18	0.91
2:8w:148[A]:ILE:HD13	2:9I:148[A]:ILE:CD1	2.01	0.91
2:8y:222:LEU:HB3	2:9J:226:ILE:HG21	0.92	0.91
2:8y:236:ALA:HA	2:9J:242:LEU:CD1	2.01	0.91
2:8y:280:SER:HB2	2:9M:250:ALA:HB2	1.53	0.91
2:1v:76:ASN:HD21	2:1v:116:LYS:HD2	1.34	0.91
2:1w:279:ILE:HG21	2:3w:272:VAL:HG11	1.35	0.91
2:4n:76:ASN:HD21	2:4n:116:LYS:HD2	1.35	0.91
2:7w:234:LEU:HD22	2:9R:234:LEU:CD1	2.01	0.91
1:4B:203:PRO:HB3	1:4B:212:GLU:CB	2.01	0.90
1:5F:444:GLY:CA	2:5f:44:VAL:HG22	1.99	0.90
1:5G:208:GLY:O	1:5G:212:GLU:CG	2.19	0.90
1:5K:199:LYS:CG	1:5K:202:GLU:CG	2.50	0.90
1:2O:382:LYS:NZ	2:2n:101:GLU:OE2	2.03	0.90
1:6R:447:GLN:OE1	2:6m:56:ASN:ND2	1.97	0.90
1:8R:202:GLU:O	1:8R:209:ALA:HB1	1.70	0.90
1:4W:199:LYS:HB3	1:4W:202:GLU:CD	1.95	0.90
1:5W:448:ALA:C	2:5k:63:TRP:CZ2	2.49	0.90
2:2b:234:LEU:HD21	2:3e:243:GLY:CA	2.00	0.90
2:5f:223:ARG:CD	2:6v:227:GLY:O	2.19	0.90
2:6g:239:THR:N	2:7Z:247:LYS:H	1.68	0.90
2:2h:241:THR:CG2	2:3p:234:LEU:CD2	2.50	0.90
2:3j:41:TYR:CE2	2:3j:57:MET:CE	2.47	0.90
2:7h:259:VAL:HG22	2:8p:259:VAL:HG22	1.52	0.90
2:1m:226:ILE:CG1	2:2j:226:ILE:HD11	2.00	0.90
2:2n:273:LEU:HD23	2:3s:279:ILE:CG2	2.00	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:232:TYR:HB2	2:9H:232:TYR:CB	1.91	0.90
2:8s:222:LEU:HB3	2:9I:226:ILE:HG21	0.92	0.90
2:8t:239:THR:HG23	2:7s:247:LYS:CD	1.99	0.90
2:1s:263:VAL:HG11	2:3s:256:ALA:H	1.32	0.90
2:6q:256:ALA:CB	2:9K:263:VAL:HG21	1.84	0.90
2:6s:279:ILE:CG2	2:7o:273:LEU:HD21	1.99	0.90
2:9K:99:VAL:HG12	2:7v:28:ILE:HD11	1.52	0.90
1:8R:446:ALA:HA	2:8s:43:ALA:HA	1.52	0.90
1:5c:201:ASP:CB	1:5c:343:SER:HA	1.99	0.90
1:8d:443:SER:HA	2:9O:45:LYS:HZ2	1.20	0.90
2:6g:206:VAL:HG13	2:7Z:210:LEU:HD23	1.51	0.90
2:7b:57:MET:HB3	2:9Q:61:ALA:HB3	1.49	0.90
2:8e:273:LEU:CB	2:9F:273:LEU:HD21	2.02	0.90
2:1o:270:ILE:HG23	2:3o:251:VAL:HG22	0.90	0.90
2:1o:279:ILE:HG22	2:3o:272:VAL:HG12	1.32	0.90
2:6o:239:THR:CG2	2:7j:247:LYS:HB3	1.99	0.90
2:6o:243:GLY:O	2:7j:244:GLY:HA2	1.71	0.90
2:8s:41:TYR:CE2	2:8s:57:MET:CE	2.47	0.90
2:2q:235:PRO:O	2:3q:242:LEU:HD13	1.72	0.90
2:8w:280:SER:HB2	2:9I:249:ALA:C	1.97	0.90
2:9K:41:TYR:CE2	2:9K:57:MET:CE	2.47	0.90
2:9M:76:ASN:HD21	2:9M:116:LYS:HD2	1.34	0.90
2:9M:280:SER:HB2	2:9J:249:ALA:C	1.97	0.90
2:9R:118:ILE:HG12	2:9R:120:ILE:HG23	1.49	0.90
1:3I:443:SER:N	2:3I:45:LYS:HZ1	1.70	0.90
1:5Y:208:GLY:O	1:5Y:212:GLU:CG	2.19	0.90
2:3g:118:ILE:HG12	2:3g:120:ILE:HG23	1.49	0.90
2:8g:222:LEU:CG	2:9G:226:ILE:HG22	2.01	0.90
2:8h:119:SER:HB3	2:8I:126:LYS:CG	2.02	0.90
2:1k:263:VAL:HG11	2:3k:256:ALA:H	1.32	0.90
2:2g:235:PRO:O	2:3i:242:LEU:HD13	1.72	0.90
2:1o:237:ALA:HB2	2:3o:245:VAL:O	1.69	0.90
2:7m:251:VAL:HG22	2:8v:270:ILE:HG21	1.50	0.90
2:8q:280:SER:HB2	2:9H:249:ALA:C	1.97	0.90
2:8s:270:ILE:HD13	2:8w:252:THR:O	1.69	0.90
2:1s:237:ALA:HB1	2:3s:246:LYS:C	1.96	0.90
2:2r:241:THR:CG2	2:3x:234:LEU:HD23	2.01	0.90
2:5I:76:ASN:HD21	2:5I:116:LYS:HD2	1.35	0.90
2:6s:226:ILE:HG22	2:7o:222:LEU:HD12	1.49	0.90
2:8y:234:LEU:HD21	2:9J:242:LEU:O	1.44	0.90
2:1w:237:ALA:HB2	2:3w:245:VAL:O	1.69	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:278:ILE:HG23	2:3w:278:ILE:HD11	1.48	0.90
2:1w:279:ILE:HA	2:3w:248:GLY:HA3	1.52	0.90
2:6u:269:LEU:HD22	2:9Q:269:LEU:HD23	1.53	0.90
2:6w:239:THR:O	2:7t:246:LYS:CB	2.18	0.90
2:6w:243:GLY:O	2:7t:244:GLY:HA2	1.71	0.90
2:9M:184:LEU:HD11	2:9J:184:LEU:HD22	1.52	0.90
1:7B:448:ALA:HB2	2:7b:41:TYR:HD1	1.35	0.90
1:7C:355:SER:HB2	1:7C:370:THR:H	1.34	0.90
1:7E:447:GLN:HA	2:7c:41:TYR:HE1	1.36	0.90
1:6R:446:ALA:O	2:6m:44:VAL:CG1	2.18	0.90
2:2Z:223:ARG:HG2	2:1l:228:ALA:HB2	1.51	0.90
2:2g:244:GLY:O	2:3i:242:LEU:HD22	1.70	0.90
2:6i:246:LYS:HG2	2:8o:242:LEU:HD23	1.51	0.90
2:8k:267:ASN:HD21	2:9G:254:SER:HB3	0.75	0.90
2:8n:119:SER:HB3	2:8r:126:LYS:CG	2.02	0.90
2:8n:200:LEU:HD22	2:7n:200:LEU:HD11	1.53	0.90
2:8p:76:ASN:HD21	2:8p:116:LYS:HD2	1.35	0.90
2:8q:148[A]:ILE:HD13	2:9H:148[A]:ILE:CD1	2.01	0.90
2:2p:200:LEU:O	2:3r:197:GLN:CG	2.20	0.90
2:2q:210:LEU:HD23	2:3q:206:VAL:HG11	1.52	0.90
2:4l:245:VAL:N	2:3x:242:LEU:HD21	1.72	0.90
2:1u:226:ILE:CG1	2:2t:226:ILE:CD1	2.50	0.90
2:1w:237:ALA:HB1	2:3w:246:LYS:C	1.96	0.90
2:9M:148[A]:ILE:HD13	2:9J:148[A]:ILE:CD1	2.01	0.90
1:6B:443:SER:HA	2:6g:56:ASN:ND2	1.85	0.90
1:7C:28:GLN:CD	2:9P:52:LEU:HD11	1.97	0.90
1:1J:445:GLY:C	2:1l:44:VAL:HG22	1.96	0.90
1:7S:397:THR:CG2	2:7o:107:LEU:HB2	2.00	0.90
1:8V:444:GLY:N	2:9K:45:LYS:CE	2.26	0.90
2:2c:242:LEU:N	2:3l:234:LEU:HD21	1.86	0.90
2:3h:223:ARG:HA	2:2w:226:ILE:CG1	2.02	0.90
2:6e:253:ALA:HB1	2:8i:267:ASN:CG	1.96	0.90
2:6f:227:GLY:O	2:5h:223:ARG:CD	2.19	0.90
2:8e:201:VAL:HG22	2:9F:197:GLN:HE21	1.15	0.90
2:8e:280:SER:HB2	2:9F:249:ALA:C	1.97	0.90
2:8f:126:LYS:CG	2:9P:119:SER:HB3	2.02	0.90
2:8h:257:THR:CA	2:8l:259:VAL:HG11	2.00	0.90
2:9F:201:VAL:HA	2:9O:197:GLN:NE2	1.86	0.90
2:1k:243:GLY:O	2:3k:245:VAL:O	1.89	0.90
2:8n:239:THR:HG23	2:7n:247:LYS:CD	1.99	0.90
2:8n:254:SER:HB2	2:8r:266:LEU:CD2	2.02	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:76:ASN:HD21	2:6m:116:LYS:HD2	1.34	0.90
2:7m:234:LEU:HD22	2:8v:234:LEU:CD1	2.01	0.90
2:1w:243:GLY:O	2:3w:245:VAL:O	1.89	0.90
2:2v:222:LEU:HB3	2:3u:226:ILE:HG21	1.54	0.90
1:5W:199:LYS:HG2	1:5W:202:GLU:CG	2.02	0.90
2:1e:247:LYS:C	2:2Z:239:THR:CG2	2.42	0.90
2:2g:210:LEU:HD23	2:3i:206:VAL:HG11	1.52	0.90
2:2h:242:LEU:N	2:3p:234:LEU:HD21	1.86	0.90
2:6i:256:ALA:O	2:8o:263:VAL:HG21	1.71	0.90
2:6k:242:LEU:HD13	2:7e:236:ALA:N	1.72	0.90
2:8k:206:VAL:CG2	2:9G:212:GLY:HA2	2.01	0.90
2:8n:76:ASN:HD21	2:8n:116:LYS:HD2	1.35	0.90
2:5i:266:LEU:HD21	2:6o:265:ASP:HB3	1.54	0.90
2:6q:76:ASN:HD21	2:6q:116:LYS:HD2	1.35	0.90
2:6q:269:LEU:HD22	2:9K:269:LEU:HD23	1.53	0.90
2:6r:239:THR:N	2:5n:247:LYS:HB3	1.87	0.90
2:9L:76:ASN:HD21	2:9L:116:LYS:HD2	1.35	0.90
2:2v:236:ALA:CA	2:3u:242:LEU:HD11	2.01	0.90
2:9M:232:TYR:CD1	2:9J:232:TYR:HB3	2.07	0.90
2:9M:273:LEU:CB	2:9J:273:LEU:HD21	2.02	0.90
1:2M:392:THR:HA	2:2k:46:ASP:OD2	1.71	0.90
1:4R:446:ALA:CB	2:4j:56:ASN:HB2	2.02	0.90
1:1V:443:SER:HA	2:1t:56:ASN:HD21	1.13	0.90
1:9E:445:GLY:CA	2:9J:53:THR:OG1	2.19	0.90
2:1e:226:ILE:CG1	2:2Z:226:ILE:CD1	2.50	0.90
2:2d:245:VAL:CG2	2:3k:245:VAL:HG11	2.02	0.90
2:3h:234:LEU:HD23	2:2w:241:THR:CG2	2.01	0.90
2:3h:242:LEU:HD21	2:4n:245:VAL:N	1.72	0.90
2:5e:266:LEU:HD13	2:6g:266:LEU:HA	1.51	0.90
2:9F:242:LEU:CD1	2:9O:236:ALA:HA	2.01	0.90
2:9F:242:LEU:O	2:9O:234:LEU:HD23	1.71	0.90
2:2f:228:ALA:CB	2:3j:228:ALA:HB3	1.99	0.90
2:6k:243:GLY:O	2:7e:244:GLY:HA2	1.71	0.90
2:8m:222:LEU:CG	2:9H:226:ILE:HG22	2.02	0.90
2:2k:200:LEU:HD21	2:3n:200:LEU:HD11	1.52	0.90
2:2n:245:VAL:CG2	2:3s:245:VAL:HG11	2.02	0.90
2:6n:239:THR:N	2:5l:247:LYS:HB3	1.87	0.90
2:7m:259:VAL:CG2	2:8v:259:VAL:CG2	2.40	0.90
2:8q:206:VAL:CG2	2:9H:212:GLY:HA2	2.01	0.90
2:8s:197:GLN:NE2	2:9I:201:VAL:HA	1.86	0.90
2:8s:234:LEU:HD23	2:9I:242:LEU:O	1.71	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:226:ILE:CG1	2:2o:226:ILE:CD1	2.50	0.90
2:1r:226:ILE:HD11	2:3r:226:ILE:HD11	0.91	0.90
2:6r:209:LEU:O	2:7u:206:VAL:HG21	1.71	0.90
2:8w:132:GLY:HA3	2:9l:136:LEU:O	1.70	0.90
2:5m:279:ILE:HB	2:6w:249:ALA:O	1.70	0.90
1:3C:447:GLN:HG2	2:3h:44:VAL:HG21	1.49	0.90
1:8B:447:GLN:CD	2:8f:44:VAL:HG21	1.97	0.90
1:3l:442:ALA:C	2:3l:45:LYS:NZ	2.30	0.90
1:8R:442:ALA:O	2:8s:45:LYS:CE	2.18	0.90
1:2S:397:THR:HA	2:2o:107:LEU:HB2	1.52	0.90
2:1g:229:GLY:HA3	2:3g:231:PRO:HA	1.54	0.90
2:2Z:77:LEU:CD1	2:2Z:110:LEU:CD2	2.36	0.90
2:2c:174:LEU:HD22	2:3l:174:LEU:CD1	2.02	0.90
2:2c:241:THR:CG2	2:3l:234:LEU:CD2	2.50	0.90
2:7b:28:ILE:HD11	2:9Q:99:VAL:HG12	1.52	0.90
2:8g:197:GLN:NE2	2:9G:201:VAL:HA	1.86	0.90
2:1k:270:ILE:HG23	2:3k:251:VAL:HG22	0.90	0.90
2:2f:200:LEU:O	2:3j:197:GLN:CG	2.20	0.90
2:2g:219:LYS:CG	2:3i:225:MET:O	2.16	0.90
2:2h:241:THR:CG2	2:3p:234:LEU:HD23	2.01	0.90
2:6k:228:ALA:HB2	2:7e:223:ARG:HG2	1.53	0.90
2:2l:236:ALA:CA	2:3m:242:LEU:HD11	2.01	0.90
2:2m:226:ILE:CG1	2:3t:223:ARG:HA	2.02	0.90
2:2n:27:ILE:HA	2:1s:73:VAL:HG11	1.53	0.90
2:6p:279:ILE:CD1	2:8v:251:VAL:CG1	2.49	0.90
2:8q:274:LYS:CE	2:9H:251:VAL:HG13	2.02	0.90
2:8t:119:SER:HB3	2:8x:126:LYS:CG	2.02	0.90
2:8t:200:LEU:HD22	2:7s:200:LEU:HD11	1.53	0.90
2:8t:254:SER:HB2	2:8x:266:LEU:CD2	2.02	0.90
2:7w:251:VAL:HG22	2:9R:270:ILE:HG21	1.50	0.90
1:7B:392:THR:O	2:7b:46:ASP:OD1	1.87	0.90
1:1N:448:ALA:CB	2:1n:41:TYR:CE1	2.38	0.90
1:3O:444:GLY:O	2:3p:45:LYS:CG	2.18	0.90
1:5Q:199:LYS:HG2	1:5Q:202:GLU:CG	2.02	0.90
1:1S:407:ASN:ND2	2:1q:44:VAL:O	2.05	0.90
1:2P:28:GLN:HE22	2:1x:27:ILE:HD12	1.37	0.90
1:1b:443:SER:HA	2:1x:56:ASN:HD21	1.24	0.90
1:5c:199:LYS:HG2	1:5c:202:GLU:CG	2.02	0.90
1:7V:392:THR:CA	2:7v:46:ASP:OD2	2.20	0.90
2:1g:278:ILE:HG23	2:3g:278:ILE:HD11	1.48	0.90
2:5f:76:ASN:HD21	2:5f:116:LYS:HD2	1.35	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:225:MET:HG2	2:7Z:214:PRO:CG	2.02	0.90
2:7c:251:VAL:HG22	2:8j:270:ILE:HG21	1.50	0.90
2:2f:239:THR:HG22	2:3j:247:LYS:CA	2.00	0.90
2:3k:76:ASN:HD21	2:3k:116:LYS:HD2	1.35	0.90
2:5g:259:VAL:CG2	2:6k:259:VAL:N	2.35	0.90
2:6j:247:LYS:N	2:7k:238:THR:O	2.04	0.90
2:6k:226:ILE:HG22	2:7e:222:LEU:HD12	1.49	0.90
2:6k:239:THR:CG2	2:7e:247:LYS:HB3	1.99	0.90
2:7h:234:LEU:HD22	2:8p:234:LEU:CD1	2.01	0.90
2:8k:273:LEU:CB	2:9G:273:LEU:HD21	2.02	0.90
2:8m:228:ALA:HB3	2:9H:228:ALA:CB	2.01	0.90
2:8m:236:ALA:HA	2:9H:242:LEU:CD1	2.01	0.90
2:1n:226:ILE:HD11	2:3n:226:ILE:HD11	0.91	0.90
2:1o:237:ALA:CB	2:3o:247:LYS:N	2.35	0.90
2:2j:223:ARG:HD3	2:1t:227:GLY:O	1.70	0.90
2:2l:222:LEU:CD1	2:3m:226:ILE:CG2	2.49	0.90
2:6n:200:LEU:HD22	2:5l:200:LEU:HD11	1.54	0.90
2:7m:77:LEU:CD1	2:7m:110:LEU:CD2	2.36	0.90
2:8q:279:ILE:HA	2:9H:248:GLY:HA3	1.04	0.90
2:1s:243:GLY:O	2:3s:245:VAL:O	1.89	0.90
2:6s:206:VAL:HG13	2:7o:210:LEU:HD23	1.51	0.90
2:8w:232:TYR:CD1	2:9I:232:TYR:HB3	2.07	0.90
2:2v:212:GLY:HA3	2:3u:203:ASN:HD22	1.35	0.90
2:6u:256:ALA:O	2:9Q:263:VAL:HG21	1.71	0.90
1:5E:199:LYS:CG	1:5E:202:GLU:CG	2.50	0.90
1:7C:448:ALA:N	2:7a:41:TYR:CE1	2.40	0.90
1:2V:356:PRO:HD2	1:2V:369:PHE:HD2	1.35	0.90
2:1h:227:GLY:O	2:2t:223:ARG:HD3	1.71	0.90
2:2Z:247:LYS:H	2:1l:239:THR:HA	1.35	0.90
2:8g:222:LEU:HB3	2:9G:226:ILE:HG21	0.92	0.90
2:1k:266:LEU:HD13	2:3k:266:LEU:CB	2.02	0.90
2:5g:270:ILE:HG23	2:6k:251:VAL:HG22	1.54	0.90
2:6j:209:LEU:O	2:7k:206:VAL:HG21	1.71	0.90
2:1o:237:ALA:HB1	2:3o:246:LYS:C	1.95	0.90
2:2k:200:LEU:O	2:3n:197:GLN:CG	2.20	0.90
2:1s:266:LEU:HD13	2:3s:266:LEU:CB	2.01	0.90
2:2r:241:THR:CG2	2:3x:234:LEU:CD2	2.50	0.90
2:6r:247:LYS:N	2:7u:238:THR:O	2.03	0.90
2:7r:234:LEU:HD22	2:9L:234:LEU:CD1	2.01	0.90
2:1u:247:LYS:C	2:2t:239:THR:CG2	2.42	0.90
2:9M:175:PHE:HE1	2:9J:171:GLN:HG2	1.27	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:232:TYR:HB2	2:9J:232:TYR:CB	1.91	0.90
1:5K:199:LYS:HG2	1:5K:202:GLU:CG	2.02	0.89
1:7H:355:SER:CB	1:7H:356:PRO:CD	2.40	0.89
1:7M:392:THR:HG21	2:7k:14:MET:HE3	1.53	0.89
1:2T:447:GLN:NE2	2:2s:44:VAL:HG11	1.87	0.89
1:5W:448:ALA:O	2:5k:63:TRP:NE1	2.05	0.89
1:5c:199:LYS:CG	1:5c:202:GLU:CG	2.50	0.89
2:1f:228:ALA:CB	2:3f:228:ALA:HB1	1.95	0.89
2:1g:149[B]:ILE:HG23	2:3g:158[B]:ILE:HG23	1.53	0.89
2:3h:234:LEU:CD2	2:2w:241:THR:CG2	2.50	0.89
2:7c:254:SER:HB3	2:8j:267:ASN:ND2	1.88	0.89
2:8e:148[A]:ILE:HD13	2:9F:148[A]:ILE:CD1	2.01	0.89
2:8h:254:SER:HB2	2:8l:266:LEU:CD2	2.02	0.89
2:2g:234:LEU:HD21	2:3i:243:GLY:CA	2.00	0.89
2:8m:242:LEU:CD2	2:8q:246:LYS:HG2	2.02	0.89
2:1m:247:LYS:HD3	2:2j:239:THR:HG23	1.51	0.89
2:5j:76:ASN:HD21	2:5j:116:LYS:HD2	1.35	0.89
2:6n:227:GLY:O	2:5l:223:ARG:CD	2.19	0.89
2:8q:180:VAL:HG13	2:9H:184:LEU:HA	1.54	0.89
2:8s:228:ALA:HB3	2:9I:228:ALA:CB	2.01	0.89
2:8v:76:ASN:HD21	2:8v:116:LYS:HD2	1.35	0.89
2:1s:149[B]:ILE:HG23	2:3s:158[B]:ILE:HG23	1.52	0.89
2:1s:279:ILE:HA	2:3s:248:GLY:HA3	1.52	0.89
2:2p:200:LEU:HD22	2:3r:200:LEU:HD11	1.20	0.89
2:2r:227:GLY:HA3	2:3x:223:ARG:NH1	1.11	0.89
2:6r:227:GLY:HA3	2:5n:223:ARG:HH11	1.34	0.89
2:6s:225:MET:HG2	2:7o:214:PRO:CG	2.02	0.89
2:8z:119:SER:HB3	2:9N:126:LYS:CG	2.02	0.89
2:1w:259:VAL:HG22	2:3w:259:VAL:CB	2.02	0.89
2:1w:266:LEU:HD13	2:3w:266:LEU:CB	2.01	0.89
2:1w:280:SER:HB2	2:3w:250:ALA:H	1.34	0.89
2:6w:76:ASN:HD21	2:6w:116:LYS:HD2	1.35	0.89
2:6w:227:GLY:C	2:7t:223:ARG:CD	2.43	0.89
2:6w:228:ALA:CA	2:7t:223:ARG:CD	2.50	0.89
2:7w:259:VAL:HG22	2:9R:259:VAL:HG22	1.52	0.89
2:9R:76:ASN:HD21	2:9R:116:LYS:HD2	1.35	0.89
1:1F:356:PRO:HG2	1:1F:369:PHE:HD2	0.94	0.89
1:7A:448:ALA:HB3	2:7d:58:TYR:H	1.36	0.89
1:7B:392:THR:O	2:7b:46:ASP:CG	2.15	0.89
1:6H:445:GLY:O	2:6k:44:VAL:CG2	2.20	0.89
1:6K:442:ALA:O	2:6j:45:LYS:NZ	2.05	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1P:448:ALA:C	2:1p:41:TYR:CE1	2.49	0.89
1:6N:445:GLY:C	2:6o:44:VAL:HG22	1.97	0.89
2:2c:241:THR:CG2	2:3l:234:LEU:HD23	2.01	0.89
2:8e:174:LEU:HD23	2:9F:170:LEU:HD13	1.51	0.89
2:8e:232:TYR:CD1	2:9F:232:TYR:HB3	2.07	0.89
2:8k:148[A]:ILE:HD13	2:9G:148[A]:ILE:CD1	2.01	0.89
2:8m:197:GLN:NE2	2:9H:201:VAL:HA	1.86	0.89
2:1o:263:VAL:HG11	2:3o:256:ALA:H	1.32	0.89
2:7m:245:VAL:HG23	2:8v:245:VAL:HG13	1.53	0.89
2:8q:229:GLY:HA3	2:9H:231:PRO:HD3	1.32	0.89
2:8q:232:TYR:CD1	2:9H:232:TYR:HB3	2.07	0.89
2:2r:203:ASN:HD21	2:3x:212:GLY:HA2	1.27	0.89
2:4l:76:ASN:HD21	2:4l:116:LYS:HD2	1.35	0.89
2:6s:228:ALA:CA	2:7o:223:ARG:CD	2.50	0.89
2:7r:254:SER:HB3	2:9L:267:ASN:ND2	1.88	0.89
2:8w:76:ASN:HD21	2:8w:116:LYS:HD2	1.34	0.89
2:8w:274:LYS:CE	2:9I:251:VAL:HG13	2.02	0.89
2:8z:239:THR:CG2	2:7x:247:LYS:HB3	2.03	0.89
2:1w:149[B]:ILE:HG23	2:3w:158[B]:ILE:HG23	1.52	0.89
2:1w:270:ILE:HG23	2:3w:251:VAL:HG22	0.90	0.89
2:9M:279:ILE:HA	2:9J:248:GLY:H	1.33	0.89
1:1C:444:GLY:HA2	2:1g:45:LYS:HD2	0.90	0.89
1:1H:448:ALA:CB	2:1j:41:TYR:HD1	1.48	0.89
1:4W:407:ASN:ND2	2:4k:44:VAL:O	2.05	0.89
2:1g:259:VAL:HG21	2:3g:259:VAL:N	1.54	0.89
2:3h:174:LEU:CD1	2:2w:174:LEU:HD22	2.02	0.89
2:4f:76:ASN:HD21	2:4f:116:LYS:HD2	1.35	0.89
2:7d:223:ARG:HD3	2:9P:227:GLY:O	1.72	0.89
2:8h:227:GLY:O	2:7i:223:ARG:HD3	1.72	0.89
2:1k:41:TYR:CE2	2:1k:57:MET:CE	2.47	0.89
2:1k:237:ALA:HB1	2:3k:246:LYS:C	1.96	0.89
2:1k:237:ALA:CB	2:3k:247:LYS:N	2.35	0.89
2:2e:244:GLY:CA	2:1p:243:GLY:H	1.86	0.89
2:1o:266:LEU:HD13	2:3o:266:LEU:CB	2.02	0.89
2:1o:266:LEU:CD2	2:3o:265:ASP:CA	2.46	0.89
2:1o:270:ILE:HG21	2:3o:251:VAL:CG2	1.77	0.89
2:2m:225:MET:CG	2:3t:214:PRO:HG3	1.99	0.89
2:7m:254:SER:HB3	2:8v:267:ASN:ND2	1.88	0.89
2:2s:27:ILE:HA	2:1w:73:VAL:HG11	1.53	0.89
2:5k:259:VAL:CG2	2:6s:259:VAL:N	2.35	0.89
2:5k:266:LEU:HD21	2:6s:265:ASP:HB3	1.54	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:266:LEU:HD13	2:6s:266:LEU:HA	1.51	0.89
2:6r:200:LEU:HD22	2:5n:200:LEU:HD11	1.54	0.89
2:6r:227:GLY:O	2:5n:223:ARG:CD	2.19	0.89
2:6s:242:LEU:HD21	2:7o:236:ALA:CA	2.02	0.89
2:8w:273:LEU:CB	2:9l:273:LEU:HD21	2.02	0.89
2:8y:228:ALA:HB3	2:9J:228:ALA:CB	2.01	0.89
2:2u:228:ALA:CB	2:3v:228:ALA:HB3	1.99	0.89
2:2v:222:LEU:CD1	2:3u:226:ILE:CG2	2.49	0.89
2:5m:259:VAL:CG2	2:6w:259:VAL:N	2.35	0.89
2:9M:279:ILE:HB	2:9J:272:VAL:CG1	2.02	0.89
1:5F:446:ALA:HA	2:5f:56:ASN:CA	2.02	0.89
1:4Q:199:LYS:HB3	1:4Q:202:GLU:CD	1.95	0.89
1:7M:355:SER:HB2	1:7M:370:THR:H	1.34	0.89
1:7Q:447:GLN:C	2:7q:41:TYR:CE1	2.39	0.89
2:1g:266:LEU:HD13	2:3g:266:LEU:CB	2.02	0.89
2:2Z:223:ARG:HD3	2:1l:227:GLY:O	1.71	0.89
2:6f:200:LEU:HD22	2:5h:200:LEU:HD11	1.54	0.89
2:8e:279:ILE:HB	2:9F:272:VAL:CG1	2.02	0.89
2:9F:226:ILE:HG22	2:9O:222:LEU:CG	2.02	0.89
2:2h:174:LEU:HD22	2:3p:174:LEU:CD1	2.02	0.89
2:4h:58:TYR:HB3	2:3p:2:MET:CE	2.02	0.89
2:5h:76:ASN:HD21	2:5h:116:LYS:HD2	1.35	0.89
2:6i:253:ALA:HB1	2:8o:267:ASN:CG	1.96	0.89
2:8k:232:TYR:CD1	2:9G:232:TYR:HB3	2.07	0.89
2:2j:247:LYS:H	2:1t:239:THR:HA	1.35	0.89
2:2m:241:THR:CG2	2:3t:234:LEU:HD23	2.01	0.89
2:2m:242:LEU:HD21	2:3t:244:GLY:O	1.73	0.89
2:2m:242:LEU:N	2:3t:234:LEU:HD21	1.86	0.89
2:6m:255:THR:C	2:8u:263:VAL:HG11	1.98	0.89
2:7n:226:ILE:HD12	2:8r:226:ILE:HD11	0.90	0.89
2:8s:242:LEU:CD2	2:8w:246:LYS:HG2	2.02	0.89
2:8t:239:THR:CG2	2:7s:247:LYS:HB3	2.03	0.89
2:1s:229:GLY:HA3	2:3s:231:PRO:HA	1.54	0.89
2:1s:237:ALA:CB	2:3s:247:LYS:N	2.35	0.89
2:2q:212:GLY:HA3	2:3q:203:ASN:HD22	1.35	0.89
2:2q:225:MET:SD	2:4k:209:LEU:HD12	2.13	0.89
2:5k:270:ILE:HG23	2:6s:251:VAL:HG22	1.54	0.89
2:1w:237:ALA:CB	2:3w:247:LYS:N	2.35	0.89
2:9M:206:VAL:CG2	2:9J:212:GLY:HA2	2.01	0.89
1:4B:387:VAL:O	1:4B:387:VAL:HG22	1.71	0.89
1:6c:445:GLY:HA3	2:6v:44:VAL:HB	1.54	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1f:223:ARG:HD3	2:3f:227:GLY:HA3	1.53	0.89
2:1g:259:VAL:HG22	2:3g:259:VAL:CB	2.02	0.89
2:2c:77:LEU:CD1	2:2c:110:LEU:CD2	2.36	0.89
2:5e:259:VAL:CG2	2:6g:259:VAL:N	2.35	0.89
2:6e:258:ASP:H	2:8i:259:VAL:HG11	1.32	0.89
2:1k:199:LEU:O	2:3k:188:THR:OG1	1.89	0.89
2:2h:225:MET:CG	2:3p:214:PRO:HG3	1.99	0.89
2:6j:200:LEU:HD22	2:5j:200:LEU:HD11	1.54	0.89
2:6j:227:GLY:O	2:5j:223:ARG:CD	2.19	0.89
2:8k:76:ASN:HD21	2:8k:116:LYS:HD2	1.34	0.89
2:2m:241:THR:CG2	2:3t:234:LEU:CD2	2.50	0.89
2:8q:183:PHE:CD2	2:9H:183:PHE:HE2	1.91	0.89
2:8s:222:LEU:CG	2:9I:226:ILE:HG22	2.02	0.89
2:8s:280:SER:HB2	2:8w:250:ALA:HB2	1.53	0.89
2:2r:226:ILE:CG1	2:3x:223:ARG:HA	2.02	0.89
2:8w:206:VAL:CG2	2:9I:212:GLY:HA2	2.01	0.89
2:8z:200:LEU:HD22	2:7x:200:LEU:HD11	1.53	0.89
1:7K:26:ASN:HA	2:6o:52:LEU:HD12	1.52	0.89
1:3X:448:ALA:HB2	2:3q:41:TYR:HE1	1.34	0.89
1:5d:446:ALA:CA	2:5n:56:ASN:HB2	2.02	0.89
1:5d:446:ALA:HA	2:5n:56:ASN:H	1.37	0.89
2:3h:2:MET:CE	2:4n:58:TYR:HB3	2.02	0.89
2:4f:58:TYR:HB3	2:3l:2:MET:CE	2.02	0.89
2:8e:267:ASN:HD21	2:9F:254:SER:HB3	0.75	0.89
2:8f:266:LEU:CD2	2:9P:254:SER:CB	2.51	0.89
2:2e:183:PHE:HZ	2:1p:196:LEU:HD22	1.35	0.89
2:2e:223:ARG:HD3	2:1p:227:GLY:O	1.70	0.89
2:6k:225:MET:HG2	2:7e:214:PRO:CG	2.02	0.89
2:8k:132:GLY:HA3	2:9G:136:LEU:O	1.70	0.89
2:2l:225:MET:SD	2:4i:209:LEU:HD12	2.13	0.89
2:6m:257:THR:HA	2:8u:259:VAL:HG12	1.55	0.89
2:6o:228:ALA:CA	2:7j:223:ARG:CD	2.50	0.89
2:6o:228:ALA:HB2	2:7j:223:ARG:HG2	1.53	0.89
2:6o:242:LEU:HD21	2:7j:236:ALA:CA	2.02	0.89
2:8q:200:LEU:HD22	2:9H:196:LEU:HB2	1.55	0.89
2:1r:223:ARG:HD3	2:3r:227:GLY:HA3	1.53	0.89
2:7r:245:VAL:HG23	2:9L:245:VAL:HG13	1.53	0.89
2:8y:259:VAL:CG2	2:9M:257:THR:O	2.21	0.89
2:1v:228:ALA:CB	2:3v:228:ALA:HB1	1.95	0.89
2:2u:200:LEU:O	2:3v:197:GLN:CG	2.20	0.89
2:2u:200:LEU:HD21	2:3v:200:LEU:HD11	1.52	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6w:206:VAL:HG13	2:7t:210:LEU:HD23	1.51	0.89
2:9M:180:VAL:HG11	2:9J:184:LEU:HA	1.54	0.89
2:9M:274:LYS:CE	2:9J:251:VAL:HG13	2.02	0.89
1:2L:356:PRO:HD2	1:2L:369:PHE:HD2	1.35	0.89
1:8R:447:GLN:HB3	2:8s:44:VAL:CG2	2.01	0.89
1:7U:26:ASN:OD1	2:6w:52:LEU:HG	1.72	0.89
2:2d:27:ILE:HA	2:1k:73:VAL:HG11	1.53	0.89
2:3h:212:GLY:CA	2:2w:203:ASN:ND2	1.86	0.89
2:6g:228:ALA:CA	2:7Z:223:ARG:CD	2.50	0.89
2:8e:250:ALA:HB2	2:9O:280:SER:HB2	1.53	0.89
2:1j:223:ARG:HD3	2:3j:227:GLY:HA3	1.53	0.89
2:1k:229:GLY:HA3	2:3k:231:PRO:HA	1.54	0.89
2:6i:269:LEU:HD22	2:8o:269:LEU:HD23	1.53	0.89
2:6j:239:THR:N	2:5j:247:LYS:HB3	1.87	0.89
2:6k:242:LEU:HD21	2:7e:236:ALA:CA	2.02	0.89
2:8k:280:SER:HB2	2:9G:249:ALA:C	1.97	0.89
2:8m:223:ARG:CG	2:9H:226:ILE:O	2.18	0.89
2:8n:225:MET:SD	2:7n:209:LEU:HD11	2.12	0.89
2:1o:199:LEU:O	2:3o:188:THR:OG1	1.89	0.89
2:1o:243:GLY:O	2:3o:245:VAL:O	1.89	0.89
2:2l:210:LEU:HD23	2:3m:206:VAL:HG11	1.52	0.89
2:2m:174:LEU:HD22	2:3t:174:LEU:CD1	2.02	0.89
2:6m:254:SER:C	2:8u:267:ASN:HD21	1.81	0.89
2:8q:279:ILE:HB	2:9H:272:VAL:CG1	2.02	0.89
2:1q:247:LYS:O	2:2o:239:THR:HB	1.72	0.89
2:8w:180:VAL:HG13	2:9I:184:LEU:HA	1.54	0.89
2:8w:183:PHE:CD2	2:9I:183:PHE:HE2	1.91	0.89
2:6u:258:ASP:H	2:9Q:259:VAL:HG11	1.32	0.89
2:6w:280:SER:HG	2:7t:247:LYS:HG2	1.30	0.89
1:7D:448:ALA:HA	2:7Z:41:TYR:CE1	2.08	0.89
1:7H:28:GLN:NE2	2:8h:52:LEU:HD11	1.86	0.89
1:5V:354:VAL:O	1:5V:354:VAL:HG12	1.73	0.89
1:6T:443:SER:CA	2:6s:56:ASN:HD22	1.63	0.89
2:1f:226:ILE:HD11	2:3f:226:ILE:HD11	0.91	0.89
2:1g:229:GLY:N	2:3g:231:PRO:HG3	1.88	0.89
2:1g:270:ILE:HG21	2:3g:251:VAL:CG2	1.77	0.89
2:2b:222:LEU:HB3	2:3e:226:ILE:HG21	1.54	0.89
2:8e:257:THR:O	2:9O:259:VAL:CG2	2.21	0.89
2:8g:228:ALA:HB3	2:9G:228:ALA:CB	2.01	0.89
2:8h:239:THR:CG2	2:7i:247:LYS:HB3	2.03	0.89
2:8i:99:VAL:HG12	2:7g:28:ILE:HD12	1.55	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:259:VAL:HG22	2:3k:259:VAL:CB	2.02	0.89
2:1k:267:ASN:HD21	2:3k:254:SER:CB	1.65	0.89
2:2g:225:MET:SD	2:4g:209:LEU:HD12	2.13	0.89
2:2g:236:ALA:CA	2:3i:242:LEU:HD11	2.01	0.89
2:6k:228:ALA:CA	2:7e:223:ARG:CD	2.50	0.89
2:2k:239:THR:HG22	2:3n:247:LYS:CA	2.00	0.89
2:4j:58:TYR:HB3	2:3t:2:MET:CE	2.02	0.89
2:2r:174:LEU:HD22	2:3x:174:LEU:CD1	2.02	0.89
2:2r:242:LEU:N	2:3x:234:LEU:HD21	1.86	0.89
2:2s:245:VAL:CG2	2:3w:245:VAL:HG11	2.02	0.89
2:4l:58:TYR:HB3	2:3x:2:MET:CE	2.02	0.89
2:7s:226:ILE:HD12	2:8x:226:ILE:HD11	0.90	0.89
2:8y:197:GLN:NE2	2:9J:201:VAL:HA	1.86	0.89
2:1w:234:LEU:HD12	2:3w:234:LEU:CD2	1.89	0.89
2:2v:225:MET:SD	2:4m:209:LEU:HD12	2.13	0.89
1:8I:448:ALA:O	2:8p:63:TRP:NE1	2.06	0.89
1:4Z:387:VAL:O	1:4Z:387:VAL:HG22	1.71	0.89
2:1g:237:ALA:CB	2:3g:247:LYS:N	2.35	0.89
2:1h:243:GLY:H	2:2t:244:GLY:CA	1.86	0.89
2:1i:226:ILE:CG1	2:2e:226:ILE:CD1	2.50	0.89
2:2e:222:LEU:CD1	2:1p:226:ILE:CG2	2.46	0.89
2:6j:209:LEU:HD12	2:7k:225:MET:SD	2.13	0.89
2:6k:243:GLY:N	2:7e:244:GLY:HA3	1.88	0.89
2:2k:226:ILE:HG22	2:3n:222:LEU:CD1	2.02	0.89
2:6m:253:ALA:HB1	2:8u:267:ASN:CG	1.96	0.89
2:8t:225:MET:SD	2:7s:209:LEU:HD11	2.13	0.89
2:6q:257:THR:HA	2:9K:259:VAL:HG12	1.55	0.89
2:5n:76:ASN:HD21	2:5n:116:LYS:HD2	1.35	0.89
2:6u:253:ALA:HB1	2:9Q:267:ASN:CG	1.96	0.89
2:6u:257:THR:HA	2:9Q:259:VAL:HG12	1.55	0.89
2:6w:227:GLY:HA3	2:7t:223:ARG:HH11	1.37	0.89
1:1D:448:ALA:O	2:1h:57:MET:SD	2.31	0.89
1:6M:443:SER:H	2:6p:45:LYS:NZ	1.71	0.89
1:5X:447:GLN:HB2	2:5l:42:VAL:HB	1.55	0.89
1:6X:446:ALA:HA	2:6q:44:VAL:HG13	1.54	0.89
1:8W:447:GLN:HG2	2:8z:44:VAL:CG1	2.03	0.89
1:6c:445:GLY:CA	2:6v:44:VAL:CB	2.39	0.89
2:2a:226:ILE:HG22	2:3f:222:LEU:CD1	2.02	0.89
2:5e:270:ILE:HG23	2:6g:251:VAL:HG22	1.54	0.89
2:6e:269:LEU:HD22	2:8i:269:LEU:HD23	1.53	0.89
2:8g:200:LEU:CD1	2:9G:200:LEU:CD2	2.35	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:226:ILE:CG1	2:2j:226:ILE:CD1	2.50	0.89
2:1o:149[B]:ILE:HG23	2:3o:158[B]:ILE:HG23	1.53	0.89
2:1o:259:VAL:HG22	2:3o:259:VAL:CB	2.02	0.89
2:3m:76:ASN:HD21	2:3m:116:LYS:HD2	1.35	0.89
2:6o:240:THR:C	2:7j:246:LYS:HE2	1.98	0.89
2:6q:254:SER:C	2:9K:267:ASN:HD21	1.81	0.89
2:8w:279:ILE:HA	2:9I:248:GLY:HA3	1.04	0.89
2:8y:234:LEU:HD23	2:9J:242:LEU:O	1.71	0.89
2:1v:234:LEU:CD2	2:3v:242:LEU:HB2	2.03	0.89
2:2v:235:PRO:O	2:3u:242:LEU:HD13	1.72	0.89
2:7w:269:LEU:HD11	2:9R:273:LEU:CD1	2.03	0.89
1:1D:448:ALA:O	2:1h:41:TYR:HE1	1.51	0.88
1:5A:208:GLY:O	1:5A:212:GLU:CG	2.19	0.88
1:7D:28:GLN:HG3	2:6u:52:LEU:HD11	1.53	0.88
1:8H:443:SER:HA	2:8l:45:LYS:HZ1	1.33	0.88
1:8Z:446:ALA:O	2:9N:55:VAL:HA	1.72	0.88
2:2b:236:ALA:CA	2:3e:242:LEU:HD11	2.01	0.88
2:6g:243:GLY:O	2:7Z:244:GLY:HA2	1.71	0.88
2:7a:206:VAL:HG11	2:6v:210:LEU:HA	1.55	0.88
2:8i:99:VAL:HG12	2:7g:28:ILE:HD11	1.52	0.88
2:9F:226:ILE:O	2:9O:223:ARG:CG	2.18	0.88
2:1j:234:LEU:CD2	2:3j:242:LEU:HB2	2.03	0.88
2:2g:246:LYS:CE	2:3i:240:THR:C	2.45	0.88
2:5g:269:LEU:CD2	2:6k:269:LEU:CD2	2.51	0.88
2:3m:269:LEU:HD22	2:4i:270:ILE:CG1	2.03	0.88
2:5i:270:ILE:HG23	2:6o:251:VAL:HG22	1.54	0.88
2:8q:273:LEU:HB3	2:9H:273:LEU:HD21	1.54	0.88
2:1s:259:VAL:HG22	2:3s:259:VAL:CB	2.02	0.88
2:2q:236:ALA:CA	2:3q:242:LEU:HD11	2.01	0.88
2:5k:269:LEU:CD2	2:6s:269:LEU:CD2	2.51	0.88
2:6q:256:ALA:O	2:9K:263:VAL:HG21	1.71	0.88
2:6r:209:LEU:HD12	2:7u:225:MET:SD	2.13	0.88
2:7r:259:VAL:CG2	2:9L:259:VAL:CG2	2.40	0.88
2:8y:222:LEU:CG	2:9J:226:ILE:HG22	2.02	0.88
2:1v:223:ARG:HD3	2:3v:227:GLY:HA3	1.53	0.88
2:2u:226:ILE:HG22	2:3v:222:LEU:CD1	2.02	0.88
1:4N:387:VAL:O	1:4N:387:VAL:HG22	1.71	0.88
1:9C:446:ALA:HB3	2:9H:55:VAL:HG22	1.56	0.88
1:8V:444:GLY:N	2:9K:45:LYS:HD2	1.89	0.88
2:2c:203:ASN:ND2	2:3l:212:GLY:CA	1.86	0.88
2:2c:226:ILE:CG1	2:3l:223:ARG:HA	2.02	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:232:TYR:HD2	2:3k:232:TYR:CE2	1.87	0.88
2:5e:269:LEU:CD2	2:6g:269:LEU:CD2	2.51	0.88
2:6f:239:THR:N	2:5h:247:LYS:HB3	1.87	0.88
2:8f:259:VAL:HG11	2:9P:257:THR:HA	1.55	0.88
2:8j:76:ASN:HD21	2:8j:116:LYS:HD2	1.35	0.88
2:2f:242:LEU:CA	2:3j:244:GLY:CA	2.43	0.88
2:6l:279:ILE:CD1	2:8p:251:VAL:CG1	2.49	0.88
2:7i:226:ILE:HD12	2:8l:226:ILE:HD11	0.90	0.88
2:8m:247:LYS:HB3	2:9H:239:THR:CB	1.93	0.88
2:1m:247:LYS:O	2:2j:239:THR:HB	1.72	0.88
2:2l:235:PRO:O	2:3m:242:LEU:HD13	1.72	0.88
2:8q:76:ASN:HD21	2:8q:116:LYS:HD2	1.34	0.88
2:1r:234:LEU:HD21	2:3r:242:LEU:HB3	1.55	0.88
2:2p:226:ILE:HG22	2:3r:222:LEU:CD1	2.02	0.88
2:8w:279:ILE:HB	2:9I:272:VAL:CG1	2.02	0.88
2:6w:228:ALA:HB2	2:7t:223:ARG:HG2	1.53	0.88
1:5E:199:LYS:HG2	1:5E:202:GLU:CG	2.02	0.88
1:6M:447:GLN:HG3	2:6p:60:LEU:HD11	1.55	0.88
1:8X:446:ALA:HA	2:8y:43:ALA:HA	1.54	0.88
2:3g:245:VAL:HG11	2:2x:245:VAL:CG2	2.02	0.88
2:5f:223:ARG:HH11	2:6v:227:GLY:HA3	1.34	0.88
2:6g:242:LEU:HD21	2:7Z:236:ALA:CA	2.02	0.88
2:8e:274:LYS:CE	2:9F:251:VAL:HG13	2.02	0.88
2:1i:209:LEU:HG	2:2e:206:VAL:CG2	2.04	0.88
2:1k:229:GLY:N	2:3k:231:PRO:HG3	1.88	0.88
2:2i:27:ILE:HA	2:1o:73:VAL:HG11	1.53	0.88
2:6k:240:THR:C	2:7e:246:LYS:HE2	1.98	0.88
2:8k:183:PHE:CD2	2:9G:183:PHE:HE2	1.91	0.88
2:8k:200:LEU:HD22	2:9G:196:LEU:HB2	1.55	0.88
2:8m:234:LEU:HD23	2:9H:242:LEU:O	1.71	0.88
2:1o:280:SER:HB2	2:3o:250:ALA:H	1.34	0.88
2:2k:228:ALA:HB2	2:3n:228:ALA:HB3	1.55	0.88
2:6m:246:LYS:HG2	2:8u:242:LEU:HD23	1.50	0.88
2:6o:126:LYS:HB2	2:7j:119:SER:HB3	1.55	0.88
2:8q:244:GLY:HA2	2:9H:244:GLY:CA	2.02	0.88
2:6q:255:THR:C	2:9K:263:VAL:HG11	1.98	0.88
2:6s:240:THR:C	2:7o:246:LYS:HE2	1.98	0.88
2:1v:234:LEU:HD21	2:3v:242:LEU:HB3	1.55	0.88
1:7A:448:ALA:HB3	2:7d:57:MET:HA	1.55	0.88
1:6L:445:GLY:O	2:6i:44:VAL:CG2	2.20	0.88
1:7H:355:SER:HB2	1:7H:370:THR:H	1.34	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1a:444:GLY:N	2:1w:45:LYS:CE	2.36	0.88
2:1f:234:LEU:CD2	2:3f:242:LEU:HB2	2.03	0.88
2:2a:199:LEU:HD12	2:3f:183:PHE:CE1	2.09	0.88
2:3g:270:ILE:CG1	2:2x:269:LEU:CD2	2.44	0.88
2:6g:228:ALA:HB2	2:7Z:223:ARG:HG2	1.53	0.88
2:6g:243:GLY:N	2:7Z:244:GLY:HA3	1.88	0.88
2:7c:269:LEU:HD11	2:8j:273:LEU:CD1	2.03	0.88
2:8e:273:LEU:HB3	2:9F:273:LEU:HD21	1.54	0.88
2:8h:200:LEU:HD22	2:7i:200:LEU:HD11	1.53	0.88
2:2h:242:LEU:HD21	2:3p:244:GLY:O	1.73	0.88
2:8k:274:LYS:CE	2:9G:251:VAL:HG13	2.02	0.88
2:1m:209:LEU:HG	2:2j:206:VAL:CG2	2.04	0.88
2:5i:269:LEU:CD2	2:6o:269:LEU:CD2	2.51	0.88
2:2r:242:LEU:HD21	2:3x:244:GLY:O	1.73	0.88
2:6r:210:LEU:HA	2:7u:206:VAL:HG11	1.55	0.88
2:7r:188:THR:OG1	2:9L:199:LEU:O	1.92	0.88
2:8w:206:VAL:HG21	2:9I:212:GLY:CA	2.03	0.88
2:5m:269:LEU:CD2	2:6w:269:LEU:CD2	2.52	0.88
2:9M:183:PHE:CD2	2:9J:183:PHE:HE2	1.91	0.88
2:9M:273:LEU:HB3	2:9J:273:LEU:HD21	1.54	0.88
1:2B:356:PRO:HD2	1:2B:369:PHE:HD2	1.35	0.88
1:2G:356:PRO:CD	1:2G:369:PHE:HD2	1.87	0.88
1:4L:443:SER:N	2:4h:56:ASN:HD21	1.71	0.88
1:8V:444:GLY:H	2:9K:45:LYS:HD2	1.37	0.88
1:2U:28:GLN:NE2	2:1h:27:ILE:HD11	1.68	0.88
1:5b:354:VAL:O	1:5b:354:VAL:HG12	1.73	0.88
2:2b:225:MET:SD	2:4e:209:LEU:HD12	2.13	0.88
2:2b:235:PRO:O	2:3e:242:LEU:HD13	1.72	0.88
2:2c:242:LEU:O	2:3l:234:LEU:CD2	2.21	0.88
2:8e:206:VAL:CG2	2:9F:212:GLY:HA2	2.01	0.88
2:8e:253:ALA:HA	2:9O:270:ILE:HD13	1.56	0.88
2:8f:266:LEU:CD2	2:9P:254:SER:HB2	2.02	0.88
2:8g:234:LEU:HD23	2:9G:242:LEU:O	1.71	0.88
2:9F:226:ILE:HB	2:9O:222:LEU:CB	2.03	0.88
2:2f:226:ILE:HG22	2:3j:222:LEU:CD1	2.02	0.88
2:2i:234:LEU:HD13	2:3o:234:LEU:HD13	1.56	0.88
2:2i:245:VAL:CG2	2:3o:245:VAL:HG11	2.02	0.88
2:8k:201:VAL:O	2:9G:193:LYS:HE2	1.73	0.88
2:8k:279:ILE:HB	2:9G:272:VAL:CG1	2.02	0.88
2:8n:239:THR:CG2	2:7n:247:LYS:HB3	2.03	0.88
2:2l:222:LEU:HD12	2:3m:226:ILE:HG22	1.55	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:259:VAL:CG2	2:6o:259:VAL:N	2.35	0.88
2:8q:273:LEU:CB	2:9H:273:LEU:HD21	2.02	0.88
2:6q:253:ALA:HB1	2:9K:267:ASN:CG	1.96	0.88
2:6s:227:GLY:C	2:7o:223:ARG:CD	2.43	0.88
2:6w:240:THR:C	2:7t:246:LYS:HE2	1.98	0.88
1:2P:447:GLN:O	2:2r:41:TYR:CD1	2.27	0.88
1:3a:448:ALA:HB3	2:3x:41:TYR:HD2	1.34	0.88
2:1e:209:LEU:HG	2:2Z:206:VAL:CG2	2.04	0.88
2:1g:267:ASN:HD21	2:3g:254:SER:CB	1.65	0.88
2:2a:200:LEU:O	2:3f:197:GLN:CG	2.20	0.88
2:2b:234:LEU:HD23	2:3e:242:LEU:C	1.98	0.88
2:3e:269:LEU:HD22	2:4e:270:ILE:CG1	2.03	0.88
2:3h:234:LEU:CD2	2:2w:242:LEU:O	2.21	0.88
2:5f:247:LYS:HB3	2:6v:239:THR:N	1.87	0.88
2:6e:255:THR:C	2:8i:263:VAL:HG11	1.98	0.88
2:6h:120:ILE:O	2:7c:125:ILE:HA	1.74	0.88
2:8e:279:ILE:CG2	2:9F:273:LEU:CD2	2.51	0.88
2:9F:228:ALA:CB	2:9O:228:ALA:HB3	2.02	0.88
2:1i:247:LYS:HD3	2:2e:239:THR:HG23	1.51	0.88
2:2f:225:MET:CG	2:3j:214:PRO:HG3	2.03	0.88
2:2f:228:ALA:HB2	2:3j:228:ALA:HB3	1.55	0.88
2:6j:227:GLY:HA3	2:5j:223:ARG:HH11	1.34	0.88
2:8k:279:ILE:CG2	2:9G:273:LEU:CD2	2.51	0.88
2:8l:38:ILE:CD1	2:8l:114:ARG:NH2	2.37	0.88
2:1n:223:ARG:HD3	2:3n:227:GLY:HA3	1.53	0.88
2:2k:199:LEU:HD12	2:3n:183:PHE:CE1	2.09	0.88
2:4i:38:ILE:CD1	2:4i:114:ARG:NH2	2.37	0.88
2:8t:227:GLY:O	2:7s:223:ARG:HD3	1.72	0.88
2:8u:99:VAL:HG12	2:7q:28:ILE:HD12	1.55	0.88
2:1q:38:ILE:CD1	2:1q:114:ARG:NH2	2.37	0.88
2:2s:234:LEU:HD13	2:3w:234:LEU:HD13	1.56	0.88
2:8z:254:SER:CB	2:9N:266:LEU:CD2	2.51	0.88
2:1u:247:LYS:O	2:2t:239:THR:HB	1.72	0.88
2:1w:38:ILE:CD1	2:1w:114:ARG:NH2	2.37	0.88
2:1w:278:ILE:HG21	2:3w:278:ILE:HD13	1.56	0.88
2:3x:38:ILE:CD1	2:3x:114:ARG:NH2	2.37	0.88
2:9M:201:VAL:O	2:9J:193:LYS:HE2	1.73	0.88
2:9M:206:VAL:HG21	2:9J:212:GLY:CA	2.03	0.88
2:9Q:38:ILE:CD1	2:9Q:114:ARG:NH2	2.37	0.88
1:8G:444:GLY:CA	2:8k:56:ASN:ND2	2.36	0.88
1:6M:443:SER:H	2:6p:45:LYS:HZ1	1.13	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6M:447:GLN:OE1	2:6p:56:ASN:O	1.91	0.88
1:1V:443:SER:CA	2:1t:56:ASN:HD21	1.87	0.88
1:7W:355:SER:CB	1:7W:356:PRO:CD	2.40	0.88
1:8Y:392:THR:HG21	2:9M:107:LEU:HD21	1.54	0.88
2:3h:209:LEU:CD2	2:2w:206:VAL:HG22	2.04	0.88
2:6f:227:GLY:HA3	2:5h:223:ARG:HH11	1.34	0.88
2:6g:240:THR:C	2:7Z:246:LYS:HE2	1.98	0.88
2:8e:183:PHE:CD2	2:9F:183:PHE:HE2	1.91	0.88
2:8e:206:VAL:HG21	2:9F:212:GLY:CA	2.03	0.88
2:8h:225:MET:SD	2:7i:209:LEU:HD11	2.12	0.88
2:2g:227:GLY:C	2:4g:223:ARG:HD3	1.99	0.88
2:5g:266:LEU:HD21	2:6k:265:ASP:HB3	1.54	0.88
2:6i:254:SER:C	2:8o:267:ASN:HD21	1.81	0.88
2:8o:38:ILE:CD1	2:8o:114:ARG:NH2	2.37	0.88
2:2n:266:LEU:HB2	2:3s:266:LEU:HD22	1.56	0.88
2:6n:209:LEU:HD12	2:7p:225:MET:SD	2.13	0.88
2:8s:38:ILE:CD1	2:8s:114:ARG:NH2	2.37	0.88
2:2q:227:GLY:C	2:4k:223:ARG:HD3	1.99	0.88
2:4k:38:ILE:CD1	2:4k:114:ARG:NH2	2.37	0.88
2:6s:243:GLY:O	2:7o:244:GLY:HA2	1.71	0.88
2:6t:120:ILE:O	2:7r:125:ILE:HA	1.74	0.88
2:7r:269:LEU:HD11	2:9L:273:LEU:CD1	2.03	0.88
2:8w:200:LEU:CD2	2:9I:196:LEU:HB3	2.03	0.88
2:8w:200:LEU:HD22	2:9I:196:LEU:HB2	1.55	0.88
2:8w:238:THR:O	2:9I:246:LYS:HG2	1.74	0.88
2:8y:222:LEU:CB	2:9J:226:ILE:HB	2.03	0.88
2:8z:254:SER:HB2	2:9N:266:LEU:CD2	2.02	0.88
2:1w:229:GLY:N	2:3w:231:PRO:HG3	1.88	0.88
2:2u:228:ALA:HB2	2:3v:228:ALA:HB3	1.55	0.88
2:6u:255:THR:C	2:9Q:263:VAL:HG11	1.98	0.88
2:6v:38:ILE:CD1	2:6v:114:ARG:NH2	2.37	0.88
1:5W:443:SER:HA	2:5k:45:LYS:HZ3	1.39	0.88
1:7X:26:ASN:OD1	2:6q:51:ASP:OD1	1.90	0.88
2:1g:280:SER:HB2	2:3g:250:ALA:H	1.34	0.88
2:2b:222:LEU:HD12	2:3e:226:ILE:HG22	1.55	0.88
2:3f:38:ILE:CD1	2:3f:114:ARG:NH2	2.37	0.88
2:5e:266:LEU:HD21	2:6g:265:ASP:HB3	1.54	0.88
2:6f:210:LEU:HA	2:7f:206:VAL:HG11	1.55	0.88
2:7a:225:MET:SD	2:6v:209:LEU:HD12	2.13	0.88
2:7c:188:THR:OG1	2:8j:199:LEU:O	1.92	0.88
2:8e:180:VAL:HG11	2:9F:184:LEU:HA	1.55	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8h:254:SER:CB	2:8l:266:LEU:CD2	2.51	0.88
2:1i:247:LYS:O	2:2e:239:THR:HB	1.72	0.88
2:2f:199:LEU:HD12	2:3j:183:PHE:CE1	2.09	0.88
2:2h:242:LEU:O	2:3p:234:LEU:CD2	2.21	0.88
2:3i:269:LEU:HD22	2:4g:270:ILE:CG1	2.03	0.88
2:7h:254:SER:HB3	2:8p:267:ASN:ND2	1.88	0.88
2:8k:180:VAL:HG13	2:9G:184:LEU:HA	1.54	0.88
2:8m:259:VAL:CG2	2:8q:257:THR:O	2.21	0.88
2:8q:200:LEU:CD2	2:9H:196:LEU:HB3	2.03	0.88
2:2o:244:GLY:CA	2:1x:243:GLY:H	1.86	0.88
2:2s:266:LEU:HB2	2:3w:266:LEU:HD22	1.56	0.88
2:8w:180:VAL:HG11	2:9I:184:LEU:HA	1.55	0.88
2:8w:226:ILE:CB	2:9I:219:LYS:HG2	2.04	0.88
2:8y:223:ARG:CG	2:9J:226:ILE:O	2.18	0.88
2:9K:99:VAL:HG12	2:7v:28:ILE:HD12	1.55	0.88
2:1u:209:LEU:HG	2:2t:206:VAL:CG2	2.04	0.88
2:6w:203:ASN:HD22	2:7t:212:GLY:HA3	1.37	0.88
2:7w:254:SER:HB3	2:9R:267:ASN:ND2	1.88	0.88
2:9M:244:GLY:HA2	2:9J:244:GLY:CA	2.02	0.88
2:9M:270:ILE:HG21	2:9J:251:VAL:CG2	2.03	0.88
1:2B:356:PRO:CD	1:2B:369:PHE:HD2	1.87	0.88
1:5F:446:ALA:CB	2:5f:56:ASN:ND2	2.36	0.88
1:5F:446:ALA:C	2:5f:56:ASN:HB2	1.99	0.88
1:4H:387:VAL:HG22	1:4H:387:VAL:O	1.71	0.88
1:1O:444:GLY:HA2	2:1o:45:LYS:HD2	0.88	0.88
1:8O:396:ILE:O	1:8O:396:ILE:HG22	1.74	0.88
1:1U:444:GLY:N	2:1s:45:LYS:CE	2.37	0.88
1:6X:446:ALA:C	2:6q:44:VAL:HG13	1.99	0.88
1:8X:445:GLY:CA	2:8y:44:VAL:HB	2.03	0.88
1:8Y:448:ALA:HB1	2:9M:57:MET:CE	2.04	0.88
2:7d:226:ILE:HD11	2:9P:226:ILE:CD1	2.04	0.88
2:8e:206:VAL:HG21	2:9F:212:GLY:N	1.89	0.88
2:8f:38:ILE:CD1	2:8f:114:ARG:NH2	2.37	0.88
2:8g:270:ILE:HD13	2:8k:253:ALA:HA	1.56	0.88
2:9F:200:LEU:CD2	2:9O:200:LEU:CD1	2.35	0.88
2:2g:212:GLY:HA3	2:3i:203:ASN:HD22	1.35	0.88
2:2i:266:LEU:HB2	2:3o:266:LEU:HD22	1.56	0.88
2:6k:126:LYS:HB2	2:7e:119:SER:HB3	1.55	0.88
2:8m:222:LEU:CB	2:9H:226:ILE:HB	2.03	0.88
2:8m:280:SER:HB2	2:8q:250:ALA:HB2	1.53	0.88
2:8n:226:ILE:CD1	2:7n:226:ILE:HD11	2.04	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3p:38:ILE:CD1	2:3p:114:ARG:NH2	2.37	0.88
2:6n:227:GLY:HA3	2:5l:223:ARG:HH11	1.34	0.88
2:6o:243:GLY:N	2:7j:244:GLY:HA3	1.88	0.88
2:7n:77:LEU:CD1	2:7n:110:LEU:CD2	2.36	0.88
2:8q:226:ILE:CB	2:9H:219:LYS:HG2	2.04	0.88
2:1r:234:LEU:CD2	2:3r:242:LEU:HB2	2.03	0.88
2:3q:269:LEU:HD22	2:4k:270:ILE:CG1	2.03	0.88
2:8w:206:VAL:HG21	2:9I:212:GLY:N	1.89	0.88
2:6w:243:GLY:N	2:7t:244:GLY:HA3	1.88	0.88
1:5F:419:ASP:CG	1:5F:425:LYS:HZ2	1.82	0.88
1:7O:443:SER:OG	2:7m:56:ASN:ND2	2.07	0.88
1:4T:387:VAL:HG22	1:4T:387:VAL:O	1.71	0.88
1:8X:444:GLY:N	2:8y:45:LYS:CE	2.32	0.88
2:2b:227:GLY:C	2:4e:223:ARG:HD3	1.99	0.88
2:5e:148[B]:ILE:CD1	2:6g:148[B]:ILE:HD11	2.04	0.88
2:5f:200:LEU:HD11	2:6v:200:LEU:HD22	1.54	0.88
2:6e:257:THR:HA	2:8i:259:VAL:HG12	1.55	0.88
2:7b:28:ILE:HD12	2:9Q:99:VAL:HG12	1.54	0.88
2:7d:226:ILE:HD12	2:8f:226:ILE:HD11	0.90	0.88
2:1k:38:ILE:CD1	2:1k:114:ARG:NH2	2.37	0.88
2:1k:279:ILE:HG22	2:3k:272:VAL:HG12	1.32	0.88
2:2h:226:ILE:CG1	2:3p:223:ARG:HA	2.02	0.88
2:5g:148[B]:ILE:CD1	2:6k:148[B]:ILE:HD11	2.04	0.88
2:6k:203:ASN:HD22	2:7e:212:GLY:HA3	1.37	0.88
2:8n:227:GLY:O	2:7n:223:ARG:HD3	1.72	0.88
2:8n:254:SER:CB	2:8r:266:LEU:CD2	2.51	0.88
2:2l:227:GLY:C	2:4i:223:ARG:HD3	1.99	0.88
2:2l:234:LEU:HD23	2:3m:242:LEU:C	1.98	0.88
2:2m:206:VAL:HG22	2:3t:209:LEU:CD2	2.04	0.88
2:4j:245:VAL:N	2:3t:242:LEU:HD21	1.72	0.88
2:6o:228:ALA:CA	2:7j:223:ARG:HD3	2.04	0.88
2:8q:206:VAL:HG21	2:9H:212:GLY:CA	2.03	0.88
2:8u:99:VAL:HG12	2:7q:28:ILE:HD11	1.52	0.88
2:1q:209:LEU:HG	2:2o:206:VAL:CG2	2.04	0.88
2:1s:270:ILE:HG23	2:3s:251:VAL:HG22	0.90	0.88
2:2r:206:VAL:HG23	2:3x:209:LEU:HG	1.53	0.88
2:2r:242:LEU:O	2:3x:234:LEU:CD2	2.21	0.88
2:8w:201:VAL:O	2:9I:193:LYS:HE2	1.73	0.88
2:8y:38:ILE:CD1	2:8y:114:ARG:NH2	2.37	0.88
2:8z:227:GLY:O	2:7x:223:ARG:HD3	1.72	0.88
2:8z:242:LEU:HD23	2:7x:245:VAL:N	1.89	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9K:120:ILE:O	2:7v:125:ILE:HA	1.74	0.88
2:6u:254:SER:C	2:9Q:267:ASN:HD21	1.81	0.88
2:6w:242:LEU:HD13	2:7t:236:ALA:N	1.72	0.88
1:1P:448:ALA:O	2:1p:57:MET:SD	2.32	0.87
1:3W:202:GLU:O	1:3W:209:ALA:HB1	1.74	0.87
1:8W:448:ALA:O	2:8z:60:LEU:CG	2.22	0.87
1:7V:405:SER:O	2:7v:44:VAL:O	1.90	0.87
2:1e:247:LYS:O	2:2Z:239:THR:HB	1.72	0.87
2:1g:73:VAL:HG11	2:2x:27:ILE:HA	1.53	0.87
2:1g:199:LEU:O	2:3g:188:THR:OG1	1.89	0.87
2:3g:234:LEU:HD13	2:2x:234:LEU:HD13	1.56	0.87
2:6g:196:LEU:HD22	2:7Z:183:PHE:HZ	1.39	0.87
2:7d:247:LYS:HB3	2:9P:239:THR:CG2	2.03	0.87
2:8e:244:GLY:HA2	2:9F:244:GLY:CA	2.02	0.87
2:8g:222:LEU:CB	2:9G:226:ILE:HG21	1.78	0.87
2:8g:259:VAL:CG2	2:8k:257:THR:O	2.21	0.87
2:1k:149[B]:ILE:HG23	2:3k:158[B]:ILE:HG23	1.53	0.87
2:2g:222:LEU:HB3	2:3i:226:ILE:HG21	1.54	0.87
2:3j:38:ILE:CD1	2:3j:114:ARG:NH2	2.37	0.87
2:6i:255:THR:C	2:8o:263:VAL:HG11	1.98	0.87
2:6i:257:THR:HA	2:8o:259:VAL:HG12	1.54	0.87
2:8k:206:VAL:HG21	2:9G:212:GLY:CA	2.03	0.87
2:8k:273:LEU:HB3	2:9G:273:LEU:HD21	1.54	0.87
2:8n:228:ALA:CB	2:7n:228:ALA:HB1	2.04	0.87
2:8n:242:LEU:HD23	2:7n:245:VAL:N	1.88	0.87
2:8o:120:ILE:O	2:7l:125:ILE:HA	1.74	0.87
2:2l:236:ALA:CA	2:3m:242:LEU:CD2	2.50	0.87
2:8q:206:VAL:HG21	2:9H:212:GLY:N	1.89	0.87
2:1s:173:LEU:O	2:3s:167:LYS:HG2	1.74	0.87
2:2u:199:LEU:HD12	2:3v:183:PHE:CE1	2.09	0.87
1:3O:447:GLN:NE2	2:3p:56:ASN:HD22	1.72	0.87
1:7O:382:LYS:NZ	2:7m:101:GLU:OE2	2.07	0.87
1:5W:201:ASP:HB2	1:5W:343:SER:CA	2.05	0.87
1:6d:447:GLN:C	2:6u:56:ASN:O	2.17	0.87
1:8a:396:ILE:O	1:8a:396:ILE:HG22	1.73	0.87
2:1e:38:ILE:CD1	2:1e:114:ARG:NH2	2.37	0.87
2:3h:234:LEU:HD21	2:2w:242:LEU:N	1.86	0.87
2:6f:38:ILE:CD1	2:6f:114:ARG:NH2	2.37	0.87
2:8g:280:SER:HB2	2:8k:250:ALA:HB2	1.53	0.87
2:6k:200:LEU:HD13	2:7e:200:LEU:HD13	1.57	0.87
2:1n:234:LEU:CD2	2:3n:242:LEU:HB2	2.03	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:173:LEU:O	2:3o:167:LYS:HG2	1.74	0.87
2:1o:278:ILE:HG21	2:3o:278:ILE:HD13	1.56	0.87
2:5i:38:ILE:CD1	2:5i:114:ARG:NH2	2.37	0.87
2:6n:126:LYS:CG	2:5l:119:SER:HB3	2.04	0.87
2:8q:270:ILE:HG21	2:9H:251:VAL:CG2	2.03	0.87
2:8s:270:ILE:HD13	2:8w:253:ALA:HA	1.56	0.87
2:2q:236:ALA:CA	2:3q:242:LEU:CD2	2.50	0.87
2:2s:269:LEU:CD2	2:3w:270:ILE:CG1	2.44	0.87
2:3r:38:ILE:CD1	2:3r:114:ARG:NH2	2.37	0.87
2:1u:223:ARG:N	2:2t:226:ILE:HB	1.90	0.87
2:6w:242:LEU:HD21	2:7t:236:ALA:CA	2.02	0.87
1:2N:25:ARG:NH2	2:3m:51:ASP:OD2	2.08	0.87
1:6R:445:GLY:N	2:6m:45:LYS:HG2	1.89	0.87
1:1V:443:SER:HA	2:1t:56:ASN:HD22	1.33	0.87
1:1V:448:ALA:C	2:1t:41:TYR:CE1	2.53	0.87
1:1b:443:SER:CA	2:1x:56:ASN:ND2	2.36	0.87
1:8b:447:GLN:CG	2:9Q:44:VAL:HG22	2.01	0.87
1:8d:200:ILE:O	1:8d:200:ILE:HG13	1.73	0.87
2:1g:38:ILE:CD1	2:1g:114:ARG:NH2	2.37	0.87
2:2Z:244:GLY:CA	2:1l:243:GLY:H	1.86	0.87
2:2g:236:ALA:CA	2:3i:242:LEU:CD2	2.50	0.87
2:2h:240:THR:HA	2:3p:246:LYS:CB	2.03	0.87
2:5g:279:ILE:HD12	2:6k:251:VAL:HG13	0.88	0.87
2:6j:38:ILE:CD1	2:6j:114:ARG:NH2	2.37	0.87
2:7h:245:VAL:HG23	2:8p:245:VAL:HG13	1.53	0.87
2:8k:270:ILE:HG21	2:9G:251:VAL:CG2	2.03	0.87
2:2j:244:GLY:CA	2:1t:243:GLY:H	1.86	0.87
2:8s:200:LEU:HD11	2:9I:200:LEU:CD1	2.03	0.87
2:1s:241:THR:C	2:3s:246:LYS:HE2	1.99	0.87
2:8w:270:ILE:HG21	2:9I:251:VAL:CG2	2.04	0.87
2:6w:228:ALA:CA	2:7t:223:ARG:HD3	2.04	0.87
2:7w:245:VAL:HG23	2:9R:245:VAL:HG13	1.53	0.87
1:2B:447:GLN:C	2:2b:41:TYR:CD1	2.52	0.87
1:8L:442:ALA:O	2:8m:45:LYS:NZ	2.08	0.87
1:8X:200:ILE:O	1:8X:200:ILE:HG13	1.73	0.87
2:2a:225:MET:CG	2:3f:214:PRO:HG3	2.03	0.87
2:4e:38:ILE:CD1	2:4e:114:ARG:NH2	2.37	0.87
2:6e:254:SER:C	2:8i:267:ASN:HD21	1.81	0.87
2:7d:209:LEU:HD11	2:9P:225:MET:SD	2.13	0.87
2:8e:201:VAL:O	2:9F:193:LYS:HE2	1.73	0.87
2:1k:173:LEU:O	2:3k:167:LYS:HG2	1.74	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6k:196:LEU:HD22	2:7e:183:PHE:HZ	1.39	0.87
2:8k:154:ALA:CB	2:9G:158[B]:ILE:HA	2.05	0.87
2:8k:274:LYS:NZ	2:9G:251:VAL:HG13	1.89	0.87
2:8m:38:ILE:CD1	2:8m:114:ARG:NH2	2.37	0.87
2:2k:225:MET:CG	2:3n:214:PRO:HG3	2.03	0.87
2:2m:242:LEU:O	2:3t:234:LEU:CD2	2.21	0.87
2:6m:256:ALA:CB	2:8u:263:VAL:HG21	1.85	0.87
2:6o:226:ILE:CG2	2:7j:222:LEU:CD1	2.28	0.87
2:8q:154:ALA:CB	2:9H:158[B]:ILE:HA	2.05	0.87
2:8q:274:LYS:NZ	2:9H:251:VAL:HG13	1.89	0.87
2:8s:222:LEU:CB	2:9I:226:ILE:HB	2.03	0.87
2:2p:225:MET:CG	2:3r:214:PRO:HG3	2.03	0.87
2:3t:38:ILE:CD1	2:3t:114:ARG:NH2	2.37	0.87
2:5k:38:ILE:CD1	2:5k:114:ARG:NH2	2.37	0.87
2:6r:38:ILE:CD1	2:6r:114:ARG:NH2	2.37	0.87
2:6t:279:ILE:CD1	2:9L:251:VAL:CG1	2.49	0.87
2:6u:148[B]:ILE:HD11	2:9Q:148[B]:ILE:CD1	2.05	0.87
2:6x:120:ILE:O	2:7w:125:ILE:HA	1.74	0.87
2:7w:262:ALA:CB	2:9R:263:VAL:CG2	2.53	0.87
2:9M:226:ILE:CB	2:9J:219:LYS:HG2	2.04	0.87
1:8L:448:ALA:HB3	2:8m:57:MET:HE2	1.55	0.87
1:5Q:201:ASP:HB2	1:5Q:343:SER:CA	2.05	0.87
1:2Y:382:LYS:NZ	2:2x:101:GLU:OE2	2.07	0.87
2:2d:266:LEU:HB2	2:3k:266:LEU:HD22	1.56	0.87
2:7c:234:LEU:HD13	2:8j:234:LEU:HD13	1.56	0.87
2:8e:270:ILE:HG21	2:9F:251:VAL:CG2	2.03	0.87
2:1k:280:SER:HB2	2:3k:250:ALA:H	1.34	0.87
2:2g:244:GLY:CA	2:3i:243:GLY:N	2.36	0.87
2:8m:212:GLY:HA3	2:9H:203:ASN:ND2	1.78	0.87
2:7m:188:THR:OG1	2:8v:199:LEU:O	1.92	0.87
2:7m:269:LEU:HD11	2:8v:273:LEU:CD1	2.03	0.87
2:8t:226:ILE:CD1	2:7s:226:ILE:HD11	2.04	0.87
2:8t:228:ALA:CB	2:7s:228:ALA:HB1	2.04	0.87
2:8t:254:SER:CB	2:8x:266:LEU:CD2	2.51	0.87
2:8u:38:ILE:CD1	2:8u:114:ARG:NH2	2.37	0.87
2:1q:223:ARG:N	2:2o:226:ILE:HB	1.90	0.87
2:2p:199:LEU:HD12	2:3r:183:PHE:CE1	2.09	0.87
2:5k:245:VAL:CA	2:7o:242:LEU:CD2	2.53	0.87
2:6s:243:GLY:N	2:7o:244:GLY:HA3	1.88	0.87
2:8x:38:ILE:CD1	2:8x:114:ARG:NH2	2.37	0.87
2:8z:257:THR:HA	2:9N:259:VAL:HG11	1.56	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2u:225:MET:CG	2:3v:214:PRO:HG3	2.03	0.87
2:6w:225:MET:HG2	2:7t:214:PRO:CG	2.02	0.87
2:9O:38:ILE:CD1	2:9O:114:ARG:NH2	2.37	0.87
1:1J:445:GLY:O	2:1l:44:VAL:HG22	1.72	0.87
1:3K:202:GLU:O	1:3K:209:ALA:HB1	1.74	0.87
1:2L:356:PRO:CD	1:2L:369:PHE:HD2	1.87	0.87
1:7M:447:GLN:C	2:7k:41:TYR:CE1	2.50	0.87
1:7N:392:THR:CA	2:7j:46:ASP:OD2	2.22	0.87
1:6c:445:GLY:HA2	2:6v:44:VAL:HB	0.88	0.87
2:2c:240:THR:HA	2:3l:246:LYS:CB	2.03	0.87
2:8g:228:ALA:HB1	2:9G:228:ALA:CB	1.98	0.87
2:8i:38:ILE:CD1	2:8i:114:ARG:NH2	2.37	0.87
2:1i:223:ARG:N	2:2e:226:ILE:HB	1.90	0.87
2:2i:278:ILE:HD11	2:3o:278:ILE:O	1.75	0.87
2:4g:38:ILE:CD1	2:4g:114:ARG:NH2	2.37	0.87
2:6j:126:LYS:CG	2:5j:119:SER:HB3	2.04	0.87
2:7h:269:LEU:HD11	2:8p:273:LEU:CD1	2.03	0.87
2:8o:99:VAL:HG12	2:7l:28:ILE:HD12	1.55	0.87
2:2l:222:LEU:HB3	2:3m:226:ILE:HG21	1.54	0.87
2:2n:278:ILE:HD11	2:3s:278:ILE:O	1.75	0.87
2:6n:38:ILE:CD1	2:6n:114:ARG:NH2	2.37	0.87
2:8q:201:VAL:O	2:9H:193:LYS:HE2	1.73	0.87
2:8s:259:VAL:CG2	2:8w:257:THR:O	2.21	0.87
2:1q:41:TYR:HH	2:1x:97:TYR:HH	1.20	0.87
2:2q:222:LEU:HB3	2:3q:226:ILE:HG21	1.54	0.87
2:6q:148[B]:ILE:HD11	2:9K:148[B]:ILE:CD1	2.05	0.87
2:6s:228:ALA:CA	2:7o:223:ARG:HD3	2.04	0.87
2:8y:244:GLY:N	2:9J:242:LEU:HD22	1.88	0.87
2:5m:148[B]:ILE:CD1	2:6w:148[B]:ILE:HD11	2.04	0.87
1:3E:202:GLU:O	1:3E:209:ALA:HB1	1.74	0.87
1:7D:445:GLY:HA2	2:7Z:45:LYS:HB3	1.55	0.87
2:1g:241:THR:C	2:3g:246:LYS:HE2	1.99	0.87
2:5e:269:LEU:CG	2:6g:269:LEU:HD21	2.05	0.87
2:6f:209:LEU:HD12	2:7f:225:MET:SD	2.13	0.87
2:7b:125:ILE:HA	2:9Q:120:ILE:O	1.74	0.87
2:8e:246:LYS:HG2	2:9O:242:LEU:CD2	2.02	0.87
2:2g:214:PRO:CG	2:3i:225:MET:CG	2.53	0.87
2:3l:38:ILE:CD1	2:3l:114:ARG:NH2	2.37	0.87
2:6l:38:ILE:CD1	2:6l:114:ARG:NH2	2.37	0.87
2:8k:154:ALA:HB1	2:9G:158[B]:ILE:HD13	1.55	0.87
2:8k:226:ILE:CB	2:9G:219:LYS:HG2	2.04	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:234:LEU:HD21	2:3n:242:LEU:HB3	1.55	0.87
2:1o:229:GLY:HA3	2:3o:231:PRO:HA	1.54	0.87
2:2l:212:GLY:HA3	2:3m:203:ASN:HD22	1.35	0.87
2:2l:214:PRO:CG	2:3m:225:MET:CG	2.53	0.87
2:2n:234:LEU:HD13	2:3s:234:LEU:HD13	1.56	0.87
2:8s:223:ARG:HG3	2:9I:226:ILE:C	1.99	0.87
2:2q:244:GLY:CA	2:3q:243:GLY:N	2.36	0.87
2:5k:269:LEU:CG	2:6s:269:LEU:HD21	2.05	0.87
2:8y:223:ARG:NH1	2:9J:227:GLY:CA	2.05	0.87
2:2v:57:MET:CE	2:4m:111:VAL:HG22	2.04	0.87
2:2v:223:ARG:NH1	2:3u:227:GLY:CA	2.37	0.87
2:2v:227:GLY:C	2:4m:223:ARG:HD3	1.99	0.87
2:3u:269:LEU:HD22	2:4m:270:ILE:CG1	2.03	0.87
2:5m:266:LEU:HD21	2:6w:265:ASP:HB3	1.54	0.87
2:9M:206:VAL:HG21	2:9J:212:GLY:N	1.89	0.87
1:1D:443:SER:HA	2:1h:56:ASN:HD21	1.35	0.87
1:3F:448:ALA:HB2	2:3e:57:MET:SD	2.15	0.87
1:6L:447:GLN:C	2:6i:56:ASN:O	2.17	0.87
1:4X:446:ALA:CB	2:4l:56:ASN:HB2	2.05	0.87
1:4d:445:GLY:H	2:4n:44:VAL:CG2	1.87	0.87
2:1e:223:ARG:N	2:2Z:226:ILE:HB	1.90	0.87
2:2b:244:GLY:CA	2:3e:243:GLY:N	2.36	0.87
2:3g:278:ILE:O	2:2x:278:ILE:HD11	1.75	0.87
2:5f:246:LYS:HA	2:6v:238:THR:O	1.75	0.87
2:6f:126:LYS:CG	2:5h:119:SER:HB3	2.04	0.87
2:8h:242:LEU:HD23	2:7i:245:VAL:N	1.89	0.87
2:5g:259:VAL:HG21	2:6k:258:ASP:CA	2.05	0.87
2:8k:206:VAL:HG21	2:9G:212:GLY:N	1.89	0.87
2:8m:223:ARG:NH1	2:9H:227:GLY:CA	2.05	0.87
2:1m:38:ILE:CD1	2:1m:114:ARG:NH2	2.37	0.87
2:1m:223:ARG:N	2:2j:226:ILE:HB	1.90	0.87
2:6o:200:LEU:HD13	2:7j:200:LEU:HD11	1.57	0.87
2:6p:120:ILE:O	2:7m:125:ILE:HA	1.74	0.87
2:8y:236:ALA:CA	2:9J:242:LEU:CD1	2.45	0.87
2:8z:225:MET:SD	2:7x:209:LEU:HD11	2.13	0.87
2:1w:241:THR:C	2:3w:246:LYS:HE2	1.99	0.87
1:5L:446:ALA:HB1	2:5h:56:ASN:HB2	1.57	0.87
1:8I:396:ILE:HG22	1:8I:396:ILE:O	1.73	0.87
1:3a:444:GLY:O	2:3x:45:LYS:HD2	1.74	0.87
2:3h:209:LEU:HG	2:2w:206:VAL:HG23	1.53	0.87
2:4f:245:VAL:N	2:3l:242:LEU:HD21	1.72	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:254:SER:CA	2:8j:267:ASN:HD21	1.88	0.87
2:7c:262:ALA:CB	2:8j:263:VAL:CG2	2.53	0.87
2:7d:228:ALA:HB1	2:9P:228:ALA:CB	2.04	0.87
2:8g:38:ILE:CD1	2:8g:114:ARG:NH2	2.37	0.87
2:1j:234:LEU:HD21	2:3j:242:LEU:HB3	1.55	0.87
2:2h:206:VAL:HG22	2:3p:209:LEU:CD2	2.04	0.87
2:6k:227:GLY:HA3	2:7e:223:ARG:HH11	1.37	0.87
2:8k:244:GLY:HA2	2:9G:244:GLY:CA	2.02	0.87
2:8n:257:THR:HA	2:8r:259:VAL:HG11	1.56	0.87
2:2j:236:ALA:HA	2:1t:242:LEU:HD21	1.57	0.87
2:5i:259:VAL:HG21	2:6o:258:ASP:CA	2.05	0.87
2:6o:200:LEU:HD13	2:7j:200:LEU:HD13	1.57	0.87
2:8q:238:THR:O	2:9H:246:LYS:HG2	1.74	0.87
2:1s:38:ILE:CD1	2:1s:114:ARG:NH2	2.37	0.87
2:1s:279:ILE:HG22	2:3s:272:VAL:HG12	1.32	0.87
2:2q:57:MET:CE	2:4k:111:VAL:HG22	2.04	0.87
2:6r:126:LYS:CG	2:5n:119:SER:HB3	2.04	0.87
2:6r:238:THR:O	2:5n:246:LYS:HA	1.75	0.87
2:8w:273:LEU:HB3	2:9I:273:LEU:HD21	1.54	0.87
2:3v:38:ILE:CD1	2:3v:114:ARG:NH2	2.37	0.87
2:5m:245:VAL:CA	2:7t:242:LEU:CD2	2.53	0.87
2:6x:38:ILE:CD1	2:6x:114:ARG:NH2	2.37	0.87
2:9M:232:TYR:CD1	2:9J:232:TYR:C	2.53	0.87
1:8C:396:ILE:O	1:8C:396:ILE:HG22	1.73	0.86
1:7W:444:GLY:HA3	2:7u:45:LYS:NZ	1.89	0.86
2:2a:228:ALA:HB2	2:3f:228:ALA:HB3	1.55	0.86
2:2b:222:LEU:CD1	2:3e:226:ILE:CG2	2.49	0.86
2:3h:38:ILE:CD1	2:3h:114:ARG:NH2	2.37	0.86
2:5e:245:VAL:CA	2:7Z:242:LEU:CD2	2.53	0.86
2:5e:279:ILE:HD12	2:6g:251:VAL:HG11	1.46	0.86
2:7c:254:SER:HB3	2:8j:267:ASN:CG	2.00	0.86
2:8e:226:ILE:CB	2:9F:219:LYS:HG2	2.04	0.86
2:8g:223:ARG:HG3	2:9G:226:ILE:C	1.99	0.86
2:1i:38:ILE:CD1	2:1i:114:ARG:NH2	2.37	0.86
2:6j:210:LEU:HA	2:7k:206:VAL:HG11	1.55	0.86
2:6l:120:ILE:O	2:7h:125:ILE:HA	1.74	0.86
2:7h:254:SER:HB3	2:8p:267:ASN:CG	2.00	0.86
2:1o:229:GLY:N	2:3o:231:PRO:HG3	1.88	0.86
2:1o:241:THR:C	2:3o:246:LYS:HE2	1.99	0.86
2:3n:38:ILE:CD1	2:3n:114:ARG:NH2	2.37	0.86
2:5i:148[B]:ILE:CD1	2:6o:148[B]:ILE:HD11	2.04	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:269:LEU:HD22	2:8u:269:LEU:HD23	1.53	0.86
2:6o:225:MET:HG2	2:7j:214:PRO:CG	2.02	0.86
2:6o:227:GLY:C	2:7j:223:ARG:CD	2.43	0.86
2:1q:247:LYS:CE	2:2o:280:SER:OG	2.23	0.86
2:2p:228:ALA:HB2	2:3r:228:ALA:HB3	1.55	0.86
2:1w:229:GLY:HA3	2:3w:231:PRO:HA	1.54	0.86
2:6w:126:LYS:HB2	2:7t:119:SER:HB3	1.55	0.86
1:8B:448:ALA:CB	2:8f:41:TYR:HD2	1.87	0.86
1:6N:443:SER:HA	2:6o:56:ASN:HD21	1.38	0.86
1:6X:446:ALA:CA	2:6q:44:VAL:HG13	2.04	0.86
1:8V:447:GLN:CD	2:9K:44:VAL:CG2	2.48	0.86
2:5f:223:ARG:CG	2:6v:226:ILE:O	2.23	0.86
2:6g:200:LEU:HD13	2:7Z:200:LEU:HD13	1.57	0.86
2:8e:232:TYR:CD1	2:9F:232:TYR:C	2.53	0.86
2:1j:228:ALA:CB	2:3j:228:ALA:HB1	1.95	0.86
2:2g:222:LEU:HD12	2:3i:226:ILE:HG22	1.55	0.86
2:2h:242:LEU:CD1	2:3p:235:PRO:O	0.57	0.86
2:5g:38:ILE:CD1	2:5g:114:ARG:NH2	2.37	0.86
2:1m:223:ARG:HH11	2:2j:227:GLY:CA	1.88	0.86
2:8s:246:LYS:CD	2:9I:240:THR:HA	2.05	0.86
2:1s:229:GLY:N	2:3s:231:PRO:HG3	1.88	0.86
2:2r:206:VAL:HG22	2:3x:209:LEU:CD2	2.04	0.86
2:8w:232:TYR:CD1	2:9I:232:TYR:C	2.53	0.86
2:8w:242:LEU:CD2	2:9I:236:ALA:HB2	2.05	0.86
2:9K:38:ILE:CD1	2:9K:114:ARG:NH2	2.37	0.86
2:1u:38:ILE:CD1	2:1u:114:ARG:NH2	2.37	0.86
2:1w:173:LEU:O	2:3w:167:LYS:HG2	1.74	0.86
2:2v:238:THR:C	2:4m:247:LYS:H	1.84	0.86
2:5m:38:ILE:CD1	2:5m:114:ARG:NH2	2.37	0.86
2:5m:270:ILE:HG23	2:6w:251:VAL:HG22	1.54	0.86
1:5D:354:VAL:HG12	1:5D:354:VAL:O	1.72	0.86
1:7F:448:ALA:O	2:7i:60:LEU:HD12	1.74	0.86
1:7H:26:ASN:OD1	2:8h:52:LEU:CG	2.23	0.86
1:3Q:202:GLU:O	1:3Q:209:ALA:HB1	1.74	0.86
1:6X:445:GLY:CA	2:6q:44:VAL:HG22	2.05	0.86
1:9D:28:GLN:HE22	2:8k:27:ILE:HD11	1.41	0.86
1:5c:201:ASP:HB2	1:5c:343:SER:CA	2.05	0.86
2:1e:222:LEU:HB2	2:2Z:226:ILE:HG22	1.58	0.86
2:2Z:247:LYS:HB3	2:1l:239:THR:CG2	2.05	0.86
2:2d:269:LEU:CD2	2:3k:270:ILE:CG1	2.44	0.86
2:3g:266:LEU:HD22	2:2x:266:LEU:HB2	1.56	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:148[B]:ILE:HD11	2:8i:148[B]:ILE:CD1	2.05	0.86
2:6e:269:LEU:HD23	2:8i:269:LEU:CD2	2.06	0.86
2:6f:226:ILE:O	2:5h:223:ARG:CG	2.23	0.86
2:6h:38:ILE:CD1	2:6h:114:ARG:NH2	2.37	0.86
2:8e:154:ALA:CB	2:9F:158[B]:ILE:HA	2.05	0.86
2:8h:226:ILE:CD1	2:7i:226:ILE:HD11	2.04	0.86
2:7h:158[B]:ILE:CG2	2:8p:149[B]:ILE:HG23	2.05	0.86
2:2m:242:LEU:CD1	2:3t:235:PRO:O	0.57	0.86
2:8q:242:LEU:CD2	2:9H:236:ALA:HB2	2.05	0.86
2:8q:279:ILE:CG2	2:9H:273:LEU:CD2	2.51	0.86
2:8t:257:THR:HA	2:8x:259:VAL:HG11	1.56	0.86
2:8u:73:VAL:HG11	2:7q:27:ILE:CA	2.06	0.86
2:1r:228:ALA:CB	2:3r:228:ALA:HB1	1.95	0.86
2:1s:263:VAL:HG23	2:3s:262:ALA:HB2	0.88	0.86
2:2p:200:LEU:HD21	2:3r:200:LEU:HD11	1.52	0.86
2:2r:242:LEU:CD1	2:3x:235:PRO:O	0.56	0.86
2:3q:232:TYR:HD2	2:4k:232:TYR:CE1	1.93	0.86
2:6s:225:MET:CG	2:7o:214:PRO:HG3	2.04	0.86
2:8w:154:ALA:CB	2:9I:158[B]:ILE:HA	2.05	0.86
2:8w:279:ILE:HA	2:9I:248:GLY:H	1.33	0.86
2:8w:280:SER:O	2:9I:249:ALA:C	2.18	0.86
2:2u:206:VAL:CG1	2:3v:210:LEU:CD2	2.50	0.86
2:5m:259:VAL:HG21	2:6w:258:ASP:CA	2.05	0.86
2:5m:279:ILE:HD12	2:6w:251:VAL:HG13	0.88	0.86
2:6u:269:LEU:HD23	2:9Q:269:LEU:CD2	2.06	0.86
2:7w:158[B]:ILE:CG2	2:9R:149[B]:ILE:HG23	2.06	0.86
1:6L:445:GLY:C	2:6i:44:VAL:HG22	1.98	0.86
2:1g:270:ILE:HG23	2:3g:251:VAL:HG22	0.90	0.86
2:2c:225:MET:HG2	2:3l:222:LEU:HD13	1.57	0.86
2:2c:242:LEU:CD1	2:3l:235:PRO:O	0.57	0.86
2:8g:247:LYS:HB3	2:9G:239:THR:HG23	0.86	0.86
2:8h:257:THR:HA	2:8l:259:VAL:HG11	1.56	0.86
2:6j:242:LEU:HD11	2:5j:236:ALA:CA	2.06	0.86
2:8k:183:PHE:CD2	2:9G:183:PHE:CE2	2.64	0.86
2:8m:244:GLY:N	2:9H:242:LEU:HD22	1.88	0.86
2:8m:246:LYS:CD	2:9H:240:THR:HA	2.05	0.86
2:8m:270:ILE:HD13	2:8q:253:ALA:HA	1.55	0.86
2:3m:246:LYS:HE2	2:4i:240:THR:O	1.76	0.86
2:6o:203:ASN:HD22	2:7j:212:GLY:HA3	1.37	0.86
2:8q:278:ILE:HG22	2:9H:278:ILE:CG1	1.89	0.86
2:8u:120:ILE:O	2:7q:125:ILE:HA	1.74	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:203:ASN:HD22	2:7o:212:GLY:HA3	1.37	0.86
2:7r:262:ALA:CB	2:9L:263:VAL:CG2	2.53	0.86
2:1u:226:ILE:CD1	2:2t:226:ILE:CD1	2.54	0.86
2:4m:38:ILE:CD1	2:4m:114:ARG:NH2	2.37	0.86
1:3O:447:GLN:CG	2:3p:44:VAL:CG2	2.51	0.86
1:5P:354:VAL:HG12	1:5P:354:VAL:O	1.72	0.86
1:4X:445:GLY:H	2:4l:44:VAL:HG22	1.39	0.86
1:8T:448:ALA:HB3	2:8x:57:MET:HE1	1.58	0.86
1:1b:445:GLY:C	2:1x:44:VAL:HG22	2.01	0.86
1:2V:356:PRO:CD	1:2V:369:PHE:HD2	1.87	0.86
1:9E:447:GLN:HG3	2:9J:41:TYR:OH	1.75	0.86
2:2c:206:VAL:HG23	2:3l:209:LEU:HG	1.53	0.86
2:2d:245:VAL:O	2:3k:237:ALA:HB2	1.75	0.86
2:3h:235:PRO:O	2:2w:242:LEU:CD1	0.57	0.86
2:5e:279:ILE:HD12	2:6g:251:VAL:HG13	0.88	0.86
2:6g:227:GLY:HA3	2:7Z:223:ARG:HH11	1.37	0.86
2:7b:27:ILE:CA	2:9Q:73:VAL:HG11	2.06	0.86
2:7d:245:VAL:N	2:9P:242:LEU:HD23	1.89	0.86
2:1i:234:LEU:HD21	2:2e:242:LEU:HB2	1.42	0.86
2:5g:269:LEU:CG	2:6k:269:LEU:HD21	2.05	0.86
2:6i:248:GLY:N	2:8o:278:ILE:O	2.09	0.86
2:6k:228:ALA:CA	2:7e:223:ARG:HD3	2.04	0.86
2:7h:188:THR:OG1	2:8p:199:LEU:O	1.92	0.86
2:8k:200:LEU:CD2	2:9G:196:LEU:HB3	2.03	0.86
2:2j:196:LEU:HB3	2:1t:200:LEU:CD2	2.05	0.86
2:6n:210:LEU:HA	2:7p:206:VAL:HG11	1.55	0.86
2:8t:242:LEU:HD23	2:7s:245:VAL:N	1.89	0.86
2:2r:203:ASN:HD22	2:3x:212:GLY:HA3	1.32	0.86
2:6q:269:LEU:HD23	2:9K:269:LEU:CD2	2.05	0.86
2:6s:196:LEU:HD22	2:7o:183:PHE:HZ	1.39	0.86
2:1u:247:LYS:CE	2:2t:280:SER:OG	2.24	0.86
2:9M:180:VAL:HG13	2:9J:184:LEU:HA	1.54	0.86
1:2M:393:GLY:O	2:2k:15:ALA:HB3	1.73	0.86
1:8M:444:GLY:O	2:8q:56:ASN:CG	2.18	0.86
1:8R:200:ILE:HG13	1:8R:200:ILE:O	1.73	0.86
1:2P:447:GLN:C	2:2r:41:TYR:CD1	2.52	0.86
2:1e:226:ILE:CD1	2:2Z:226:ILE:CD1	2.54	0.86
2:1f:234:LEU:HD21	2:3f:242:LEU:HB3	1.55	0.86
2:1h:200:LEU:CD2	2:2t:196:LEU:HB3	2.05	0.86
2:3e:232:TYR:HD2	2:4e:232:TYR:CE1	1.93	0.86
2:5f:119:SER:HB3	2:6v:126:LYS:CG	2.04	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5f:247:LYS:N	2:6v:238:THR:C	2.31	0.86
2:8e:274:LYS:NZ	2:9F:251:VAL:HG13	1.89	0.86
2:8g:246:LYS:CD	2:9G:240:THR:HA	2.05	0.86
2:8h:228:ALA:CB	2:7i:228:ALA:HB1	2.04	0.86
2:9F:240:THR:HA	2:9O:246:LYS:CD	2.05	0.86
2:1k:279:ILE:HG21	2:3k:272:VAL:HG12	1.30	0.86
2:2e:196:LEU:HB3	2:1p:200:LEU:CD2	2.05	0.86
2:2h:225:MET:SD	2:3p:209:LEU:CA	2.46	0.86
2:3i:232:TYR:HD2	2:4g:232:TYR:CE1	1.93	0.86
2:6j:226:ILE:O	2:5j:223:ARG:CG	2.23	0.86
2:6k:227:GLY:C	2:7e:223:ARG:CD	2.43	0.86
2:7h:254:SER:CA	2:8p:267:ASN:HD21	1.88	0.86
2:7m:158[B]:ILE:CG2	2:8v:149[B]:ILE:HG23	2.06	0.86
2:8r:38:ILE:CD1	2:8r:114:ARG:NH2	2.37	0.86
2:8w:274:LYS:NZ	2:9I:251:VAL:HG13	1.89	0.86
2:6w:225:MET:CG	2:7t:214:PRO:HG3	2.04	0.86
2:7x:226:ILE:HD12	2:9N:226:ILE:HD11	0.90	0.86
2:9M:183:PHE:CD2	2:9J:183:PHE:CE2	2.64	0.86
1:1A:407:ASN:ND2	2:1e:44:VAL:O	2.08	0.86
1:1A:446:ALA:HA	2:1e:42:VAL:O	1.75	0.86
1:8F:448:ALA:CB	2:8g:57:MET:CE	2.54	0.86
1:5K:201:ASP:HB2	1:5K:343:SER:CA	2.05	0.86
1:6W:443:SER:O	2:6r:45:LYS:HE3	1.76	0.86
1:8U:396:ILE:O	1:8U:396:ILE:HG22	1.73	0.86
2:3h:210:LEU:HB3	2:2w:201:VAL:HG13	1.57	0.86
2:8e:183:PHE:CD2	2:9F:183:PHE:CE2	2.64	0.86
2:2g:246:LYS:CD	2:3i:239:THR:O	2.24	0.86
2:6o:242:LEU:HD13	2:7j:236:ALA:N	1.72	0.86
2:6p:38:ILE:CD1	2:6p:114:ARG:NH2	2.37	0.86
2:8t:242:LEU:HD22	2:7s:245:VAL:N	1.89	0.86
2:2q:212:GLY:CA	2:3q:203:ASN:ND2	2.38	0.86
2:6s:126:LYS:HB2	2:7o:119:SER:HB3	1.55	0.86
2:6t:38:ILE:CD1	2:6t:114:ARG:NH2	2.37	0.86
2:8w:183:PHE:CD2	2:9I:183:PHE:CE2	2.64	0.86
2:6w:196:LEU:HD22	2:7t:183:PHE:HZ	1.39	0.86
2:7w:234:LEU:HD13	2:9R:234:LEU:HD13	1.56	0.86
2:9M:124:ASP:O	2:9J:119:SER:HA	1.76	0.86
1:7C:444:GLY:HA3	2:7a:45:LYS:NZ	1.89	0.86
1:5J:354:VAL:O	1:5J:354:VAL:HG12	1.72	0.86
1:7I:447:GLN:C	2:7e:41:TYR:CZ	2.54	0.86
1:6M:447:GLN:HG2	2:6p:60:LEU:HD11	1.58	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:173:LEU:O	2:3g:167:LYS:HG2	1.74	0.86
2:2b:212:GLY:HA3	2:3e:203:ASN:HD22	1.35	0.86
2:2c:201:VAL:HG13	2:3l:210:LEU:HB3	1.57	0.86
2:5e:38:ILE:CD1	2:5e:114:ARG:NH2	2.37	0.86
2:6g:225:MET:CG	2:7Z:214:PRO:HG3	2.04	0.86
2:8g:244:GLY:CA	2:9G:242:LEU:CA	2.53	0.86
2:9F:226:ILE:C	2:9O:223:ARG:HG3	1.99	0.86
2:1k:241:THR:C	2:3k:246:LYS:HE2	1.99	0.86
2:2e:223:ARG:HD3	2:1p:228:ALA:N	1.90	0.86
2:2e:236:ALA:HA	2:1p:242:LEU:HD21	1.57	0.86
2:4h:245:VAL:H	2:3p:242:LEU:HD22	1.41	0.86
2:8m:223:ARG:HG3	2:9H:226:ILE:C	1.99	0.86
2:2l:246:LYS:CD	2:3m:239:THR:O	2.24	0.86
2:5i:245:VAL:CA	2:7j:242:LEU:CD2	2.53	0.86
2:7m:234:LEU:HD13	2:8v:234:LEU:HD13	1.56	0.86
2:7m:262:ALA:CB	2:8v:263:VAL:HG23	2.06	0.86
2:8q:180:VAL:HG11	2:9H:184:LEU:HA	1.55	0.86
2:8s:244:GLY:N	2:9I:242:LEU:HD22	1.88	0.86
2:2o:196:LEU:HB3	2:1x:200:LEU:CD2	2.05	0.86
2:2q:246:LYS:CD	2:3q:239:THR:O	2.24	0.86
2:5k:259:VAL:HG21	2:6s:258:ASP:CA	2.05	0.86
2:5k:279:ILE:HD12	2:6s:251:VAL:HG13	0.88	0.86
2:6r:226:ILE:O	2:5n:223:ARG:CG	2.23	0.86
2:6s:225:MET:O	2:7o:214:PRO:HG2	1.76	0.86
2:6s:232:TYR:CZ	2:7o:232:TYR:CE2	2.64	0.86
2:7r:262:ALA:CB	2:9L:263:VAL:HG23	2.06	0.86
2:8z:228:ALA:CB	2:7x:228:ALA:HB1	2.04	0.86
2:1w:279:ILE:HG21	2:3w:272:VAL:HG12	1.30	0.86
2:2v:222:LEU:HD12	2:3u:226:ILE:HG22	1.54	0.86
2:9M:154:ALA:CB	2:9J:158[B]:ILE:HA	2.05	0.86
1:5L:446:ALA:HB1	2:5h:56:ASN:CB	2.05	0.86
1:1P:314:ASN:OD1	1:1P:314:ASN:O	1.94	0.86
1:2K:447:GLN:O	2:2m:41:TYR:HD1	1.55	0.86
1:6R:446:ALA:C	2:6m:44:VAL:HG13	2.01	0.86
1:1V:314:ASN:OD1	1:1V:314:ASN:O	1.94	0.86
1:2Q:356:PRO:CD	1:2Q:369:PHE:HD2	1.87	0.86
1:1a:444:GLY:N	2:1w:45:LYS:NZ	2.23	0.86
2:2d:232:TYR:HD2	2:3k:232:TYR:CE1	1.94	0.86
2:2d:234:LEU:CD1	2:3k:234:LEU:CD1	2.54	0.86
2:3h:244:GLY:O	2:2w:242:LEU:HD21	1.73	0.86
2:6f:238:THR:O	2:5h:246:LYS:HA	1.75	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:238:THR:C	2:7Z:247:LYS:H	1.84	0.86
2:7c:245:VAL:HG23	2:8j:245:VAL:HG13	1.53	0.86
2:8g:222:LEU:CB	2:9G:226:ILE:HB	2.03	0.86
2:2e:247:LYS:HB3	2:1p:239:THR:CG2	2.05	0.86
2:2g:212:GLY:CA	2:3i:203:ASN:ND2	2.38	0.86
2:5g:245:VAL:CA	2:7e:242:LEU:CD2	2.53	0.86
2:6k:238:THR:C	2:7e:247:LYS:H	1.84	0.86
2:7h:262:ALA:CB	2:8p:263:VAL:HG23	2.06	0.86
2:1m:247:LYS:CE	2:2j:280:SER:OG	2.23	0.86
2:1o:38:ILE:CD1	2:1o:114:ARG:NH2	2.37	0.86
2:2j:247:LYS:HB3	2:1t:239:THR:CG2	2.05	0.86
2:6m:248:GLY:N	2:8u:278:ILE:O	2.09	0.86
2:6n:238:THR:O	2:5l:246:LYS:HA	1.75	0.86
2:6o:225:MET:CG	2:7j:214:PRO:HG3	2.04	0.86
2:6o:232:TYR:CZ	2:7j:232:TYR:CE2	2.64	0.86
2:1q:223:ARG:HH11	2:2o:227:GLY:CA	1.88	0.86
2:1r:244:GLY:HA3	2:3r:242:LEU:CB	1.81	0.86
2:2s:234:LEU:CD1	2:3w:234:LEU:CD1	2.53	0.86
2:7r:254:SER:C	2:9L:267:ASN:HD21	1.84	0.86
2:8y:223:ARG:HG3	2:9J:226:ILE:C	1.99	0.86
2:9K:73:VAL:HG11	2:7v:27:ILE:CA	2.06	0.86
2:1u:223:ARG:HH11	2:2t:227:GLY:CA	1.88	0.86
2:3u:232:TYR:HD2	2:4m:232:TYR:CE1	1.93	0.86
2:6w:232:TYR:CZ	2:7t:232:TYR:CE2	2.64	0.86
2:9M:238:THR:O	2:9J:246:LYS:HG2	1.74	0.86
2:9N:38:ILE:CD1	2:9N:114:ARG:NH2	2.37	0.86
1:1J:314:ASN:OD1	1:1J:314:ASN:O	1.94	0.86
1:1J:448:ALA:O	2:1l:41:TYR:HE1	1.56	0.86
2:2b:212:GLY:CA	2:3e:203:ASN:ND2	2.38	0.86
2:6g:126:LYS:HB2	2:7Z:119:SER:HB3	1.55	0.86
2:8e:154:ALA:HB1	2:9F:158[B]:ILE:HD13	1.55	0.86
2:8e:200:LEU:HD22	2:9F:196:LEU:HB2	1.55	0.86
2:8i:73:VAL:HG11	2:7g:27:ILE:CA	2.06	0.86
2:2h:206:VAL:HG22	2:3p:209:LEU:HG	0.86	0.86
2:7h:77:LEU:CD1	2:7h:110:LEU:CD2	2.36	0.86
2:7h:262:ALA:CB	2:8p:263:VAL:CG2	2.53	0.86
2:3m:232:TYR:HD2	2:4i:232:TYR:CE1	1.93	0.86
2:6o:238:THR:C	2:7j:247:LYS:H	1.84	0.86
2:8q:154:ALA:HB1	2:9H:158[B]:ILE:HD13	1.55	0.86
2:8q:280:SER:O	2:9H:249:ALA:C	2.18	0.86
2:8s:267:ASN:ND2	2:8w:254:SER:O	2.09	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:234:LEU:CD2	2:2o:242:LEU:CB	2.48	0.86
2:2p:206:VAL:CG1	2:3r:210:LEU:CD2	2.50	0.86
2:2s:278:ILE:HD11	2:3w:278:ILE:O	1.75	0.86
2:6q:252:THR:C	2:9K:270:ILE:HD13	2.01	0.86
2:6s:228:ALA:HA	2:7o:223:ARG:HD3	1.58	0.86
2:8y:244:GLY:CA	2:9J:242:LEU:CA	2.53	0.86
2:1w:263:VAL:HG23	2:3w:262:ALA:HB2	0.88	0.86
2:7w:254:SER:CA	2:9R:267:ASN:HD21	1.88	0.86
2:9M:242:LEU:CD2	2:9J:236:ALA:HB2	2.05	0.86
2:9M:279:ILE:CG2	2:9J:273:LEU:CD2	2.51	0.86
2:9M:280:SER:O	2:9J:249:ALA:C	2.18	0.86
1:1C:446:ALA:HA	2:1g:44:VAL:HG23	1.55	0.85
1:5E:201:ASP:HB2	1:5E:343:SER:CA	2.05	0.85
1:5Q:199:LYS:CG	1:5Q:202:GLU:CG	2.50	0.85
1:1U:444:GLY:N	2:1s:45:LYS:HE3	1.92	0.85
1:1Z:448:ALA:HB2	2:1v:41:TYR:HD1	1.27	0.85
1:3b:443:SER:HA	2:3w:56:ASN:CG	2.01	0.85
2:1f:244:GLY:CA	2:3f:242:LEU:HB3	2.06	0.85
2:2c:242:LEU:HD21	2:3l:244:GLY:O	1.73	0.85
2:7c:259:VAL:N	2:8j:259:VAL:HG21	1.91	0.85
2:2i:232:TYR:HD2	2:3o:232:TYR:CE1	1.94	0.85
2:2i:234:LEU:CD1	2:3o:234:LEU:CD1	2.54	0.85
2:5g:111:VAL:CG1	2:7e:57:MET:HE2	2.06	0.85
2:6k:225:MET:O	2:7e:214:PRO:HG2	1.76	0.85
2:2l:212:GLY:CA	2:3m:203:ASN:ND2	2.38	0.85
2:2m:206:VAL:HG22	2:3t:209:LEU:HG	0.86	0.85
2:2n:245:VAL:O	2:3s:237:ALA:HB2	1.75	0.85
2:5i:269:LEU:CG	2:6o:269:LEU:HD21	2.05	0.85
2:6o:227:GLY:HA3	2:7j:223:ARG:HH11	1.37	0.85
2:6o:243:GLY:H	2:7j:244:GLY:CA	1.89	0.85
2:5k:111:VAL:CG1	2:7o:57:MET:CE	2.54	0.85
2:5l:229:GLY:N	2:7p:229:GLY:O	2.09	0.85
2:8w:180:VAL:HG11	2:9I:184:LEU:CA	2.06	0.85
2:2v:212:GLY:CA	2:3u:203:ASN:ND2	2.38	0.85
2:2v:244:GLY:CA	2:3u:243:GLY:N	2.36	0.85
2:6w:243:GLY:H	2:7t:244:GLY:CA	1.89	0.85
2:7w:254:SER:HB3	2:9R:267:ASN:CG	2.00	0.85
2:9M:180:VAL:HG11	2:9J:184:LEU:CA	2.06	0.85
2:9M:200:LEU:HD22	2:9J:196:LEU:HB2	1.55	0.85
2:9M:274:LYS:NZ	2:9J:251:VAL:HG13	1.89	0.85
1:8F:200:ILE:O	1:8F:200:ILE:HG13	1.73	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9B:447:GLN:O	2:9G:41:TYR:CD1	2.29	0.85
1:3O:447:GLN:HE22	2:3p:56:ASN:ND2	1.72	0.85
1:7L:447:GLN:O	2:7l:41:TYR:CD1	2.29	0.85
1:5W:448:ALA:C	2:5k:63:TRP:HZ2	1.84	0.85
1:3c:202:GLU:O	1:3c:209:ALA:HB1	1.74	0.85
2:2Z:196:LEU:HB3	2:1l:200:LEU:CD2	2.05	0.85
2:2c:242:LEU:HD13	2:3l:243:GLY:CA	2.06	0.85
2:2d:234:LEU:HD13	2:3k:234:LEU:HD13	1.56	0.85
2:3h:120:ILE:HD13	2:2w:120:ILE:HD13	1.58	0.85
2:2g:223:ARG:NH1	2:3i:227:GLY:CA	2.37	0.85
2:2i:232:TYR:HD2	2:3o:232:TYR:CE2	1.87	0.85
2:5g:111:VAL:CG1	2:7e:57:MET:CE	2.54	0.85
2:8k:180:VAL:HG11	2:9G:184:LEU:HA	1.55	0.85
2:1n:247:LYS:HG2	2:3n:239:THR:CG2	2.06	0.85
2:2j:247:LYS:HG2	2:1t:280:SER:HG	1.39	0.85
2:2l:223:ARG:CD	2:3m:227:GLY:C	2.46	0.85
2:3m:273:LEU:CD2	2:4i:279:ILE:CG2	2.54	0.85
2:5i:111:VAL:CG1	2:7j:57:MET:HE2	2.06	0.85
2:5i:279:ILE:HD12	2:6o:251:VAL:HG13	0.88	0.85
2:6n:242:LEU:HD13	2:5l:235:PRO:O	1.77	0.85
2:7m:254:SER:HB3	2:8v:267:ASN:CG	2.01	0.85
2:8q:232:TYR:CD1	2:9H:232:TYR:C	2.53	0.85
2:8s:244:GLY:CA	2:9I:242:LEU:CA	2.53	0.85
2:2q:222:LEU:HD12	2:3q:226:ILE:HG22	1.55	0.85
2:3q:246:LYS:HE2	2:4k:240:THR:O	1.76	0.85
2:5k:148[B]:ILE:CD1	2:6s:148[B]:ILE:HD11	2.04	0.85
2:6r:111:VAL:CG2	2:7u:57:MET:HE2	2.06	0.85
2:7r:158[B]:ILE:CG2	2:9L:149[B]:ILE:HG23	2.06	0.85
2:8w:244:GLY:HA2	2:9I:244:GLY:CA	2.02	0.85
2:5m:111:VAL:CG1	2:7t:57:MET:CE	2.54	0.85
2:5m:269:LEU:CG	2:6w:269:LEU:HD21	2.05	0.85
2:6u:248:GLY:N	2:9Q:278:ILE:O	2.09	0.85
2:7w:188:THR:OG1	2:9R:199:LEU:O	1.92	0.85
1:8E:445:GLY:C	2:8h:44:VAL:CG2	2.49	0.85
1:1P:448:ALA:O	2:1p:41:TYR:CD1	2.29	0.85
1:5Q:199:LYS:HD2	1:5Q:201:ASP:HB3	1.58	0.85
1:1U:443:SER:OG	2:1s:45:LYS:HE3	1.76	0.85
1:5X:446:ALA:CB	2:5l:56:ASN:HB2	2.06	0.85
2:1e:234:LEU:HD23	2:2Z:242:LEU:HB2	1.58	0.85
2:2c:206:VAL:HG22	2:3l:209:LEU:CD2	2.04	0.85
2:3g:232:TYR:CE1	2:2x:232:TYR:HD2	1.94	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:111:VAL:CG1	2:7Z:57:MET:CE	2.54	0.85
2:5e:259:VAL:HG21	2:6g:258:ASP:CA	2.05	0.85
2:5e:266:LEU:HD21	2:6g:265:ASP:C	2.02	0.85
2:8e:180:VAL:HG13	2:9F:184:LEU:HA	1.54	0.85
2:1i:222:LEU:HB2	2:2e:226:ILE:HG22	1.58	0.85
2:1k:279:ILE:HG21	2:3k:272:VAL:HG11	1.35	0.85
2:6i:257:THR:N	2:8o:259:VAL:CG1	2.39	0.85
2:6k:243:GLY:H	2:7e:244:GLY:CA	1.89	0.85
2:7h:259:VAL:N	2:8p:259:VAL:HG21	1.91	0.85
2:8k:232:TYR:CD1	2:9G:232:TYR:C	2.53	0.85
2:8k:280:SER:O	2:9G:249:ALA:C	2.18	0.85
2:5i:266:LEU:HD21	2:6o:265:ASP:C	2.02	0.85
2:6n:242:LEU:HD11	2:5l:236:ALA:CA	2.06	0.85
2:8q:154:ALA:CB	2:9H:158[A]:ILE:HA	2.07	0.85
2:8q:183:PHE:CD2	2:9H:183:PHE:CE2	2.64	0.85
2:1q:226:ILE:CD1	2:2o:226:ILE:CD1	2.54	0.85
2:2p:228:ALA:HB1	2:3r:228:ALA:HB1	0.86	0.85
2:2r:242:LEU:HD13	2:3x:243:GLY:CA	2.06	0.85
2:6s:238:THR:C	2:7o:247:LYS:H	1.84	0.85
2:5m:111:VAL:CG1	2:7t:57:MET:HE2	2.06	0.85
2:6w:238:THR:C	2:7t:247:LYS:H	1.84	0.85
1:4F:446:ALA:HB2	2:4f:56:ASN:HB2	1.55	0.85
1:8R:442:ALA:O	2:8s:45:LYS:HE3	1.75	0.85
1:8R:447:GLN:HG3	2:8s:42:VAL:HG13	1.57	0.85
1:6W:200:ILE:O	1:6W:343:SER:HA	1.76	0.85
1:5d:443:SER:C	2:5n:44:VAL:CG2	2.50	0.85
2:1h:280:SER:OG	2:2t:247:LYS:CG	2.25	0.85
2:2b:236:ALA:CA	2:3e:242:LEU:CD2	2.50	0.85
2:2b:238:THR:C	2:4e:247:LYS:H	1.84	0.85
2:3e:273:LEU:CD2	2:4e:279:ILE:CG2	2.54	0.85
2:6g:232:TYR:CZ	2:7Z:232:TYR:CE2	2.64	0.85
2:7c:97:TYR:HH	2:8j:41:TYR:HH	1.10	0.85
2:8e:124:ASP:O	2:9F:119:SER:HA	1.76	0.85
2:9F:228:ALA:CB	2:9O:228:ALA:HB1	1.98	0.85
2:1i:234:LEU:HD23	2:2e:242:LEU:HB2	1.58	0.85
2:1j:247:LYS:HG2	2:3j:239:THR:CG2	2.07	0.85
2:6j:242:LEU:HD13	2:5j:235:PRO:O	1.76	0.85
2:8m:247:LYS:HB3	2:9H:239:THR:HG23	0.86	0.85
2:8m:267:ASN:ND2	2:8q:254:SER:O	2.09	0.85
2:7m:254:SER:C	2:8v:267:ASN:HD21	1.84	0.85
2:7m:259:VAL:N	2:8v:259:VAL:HG21	1.91	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7m:262:ALA:CB	2:8v:263:VAL:CG2	2.53	0.85
2:8q:209:LEU:CD2	2:9H:209:LEU:CD2	2.52	0.85
2:1q:222:LEU:HB2	2:2o:226:ILE:HG22	1.58	0.85
2:2o:223:ARG:HD3	2:1x:228:ALA:N	1.90	0.85
2:2r:225:MET:HG2	2:3x:222:LEU:HD13	1.57	0.85
2:2s:232:TYR:HD2	2:3w:232:TYR:CE1	1.94	0.85
2:5k:266:LEU:HD21	2:6s:265:ASP:C	2.01	0.85
2:6r:242:LEU:HD11	2:5n:236:ALA:CA	2.06	0.85
2:2v:246:LYS:CD	2:3u:239:THR:O	2.24	0.85
2:6w:225:MET:O	2:7t:214:PRO:HG2	1.76	0.85
1:1V:448:ALA:O	2:1t:41:TYR:CD1	2.29	0.85
2:1h:228:ALA:N	2:2t:223:ARG:HD3	1.90	0.85
2:2b:246:LYS:CD	2:3e:239:THR:O	2.24	0.85
2:2c:242:LEU:CA	2:3l:234:LEU:HD21	2.07	0.85
2:6g:226:ILE:O	2:7Z:219:LYS:O	1.95	0.85
2:1j:247:LYS:CB	2:3j:238:THR:C	2.38	0.85
2:2f:200:LEU:HD22	2:3j:200:LEU:HD11	1.20	0.85
2:2i:245:VAL:O	2:3o:237:ALA:HB2	1.75	0.85
2:7h:234:LEU:HD13	2:8p:234:LEU:HD13	1.56	0.85
2:8k:209:LEU:CD2	2:9G:209:LEU:CD2	2.52	0.85
2:2j:222:LEU:CD1	2:1t:226:ILE:CG2	2.46	0.85
2:2m:225:MET:HG2	2:3t:222:LEU:HD13	1.57	0.85
2:5i:111:VAL:CG1	2:7j:57:MET:CE	2.54	0.85
2:6m:257:THR:N	2:8u:259:VAL:CG1	2.39	0.85
2:6o:225:MET:O	2:7j:214:PRO:HG2	1.76	0.85
2:1r:247:LYS:HB3	2:3r:239:THR:CG2	2.07	0.85
2:2o:247:LYS:CG	2:1x:280:SER:OG	2.25	0.85
2:8y:246:LYS:CD	2:9J:240:THR:HA	2.05	0.85
2:2v:248:GLY:O	2:3u:280:SER:OG	1.95	0.85
2:6u:257:THR:N	2:9Q:259:VAL:CG1	2.39	0.85
2:6w:200:LEU:HD13	2:7t:200:LEU:HD11	1.57	0.85
2:7w:254:SER:C	2:9R:267:ASN:HD21	1.84	0.85
2:7w:262:ALA:CB	2:9R:263:VAL:HG23	2.06	0.85
1:8G:24:ILE:HG22	1:8G:24:ILE:O	1.77	0.85
1:7M:392:THR:HB	2:7k:14:MET:CE	2.07	0.85
1:2R:443:SER:O	2:2p:45:LYS:NZ	2.09	0.85
1:6X:445:GLY:CA	2:6q:44:VAL:CG2	2.55	0.85
2:1f:247:LYS:HG2	2:3f:239:THR:CG2	2.07	0.85
2:2a:206:VAL:CG1	2:3f:210:LEU:CD2	2.50	0.85
2:2a:226:ILE:HD12	2:3f:223:ARG:CA	2.07	0.85
2:2b:57:MET:CE	2:4e:111:VAL:HG22	2.04	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:278:ILE:HD11	2:3k:278:ILE:O	1.75	0.85
2:3h:209:LEU:HG	2:2w:206:VAL:HG22	0.86	0.85
2:9F:242:LEU:CA	2:9O:244:GLY:CA	2.53	0.85
2:2g:248:GLY:O	2:3i:280:SER:OG	1.95	0.85
2:2h:242:LEU:CA	2:3p:234:LEU:HD21	2.07	0.85
2:5g:266:LEU:HD21	2:6k:265:ASP:C	2.02	0.85
2:6j:111:VAL:CG2	2:7k:57:MET:HE2	2.06	0.85
2:6j:238:THR:O	2:5j:246:LYS:HA	1.75	0.85
2:8k:242:LEU:CD2	2:9G:236:ALA:HB2	2.05	0.85
2:1o:263:VAL:HG23	2:3o:262:ALA:HB2	0.88	0.85
2:2n:234:LEU:CD1	2:3s:234:LEU:CD1	2.54	0.85
2:6m:148[B]:ILE:HD11	2:8u:148[B]:ILE:CD1	2.05	0.85
2:8q:180:VAL:HG11	2:9H:184:LEU:CA	2.06	0.85
2:2q:238:THR:C	2:4k:247:LYS:H	1.84	0.85
2:6s:200:LEU:HD13	2:7o:200:LEU:HD13	1.57	0.85
2:7r:254:SER:HB3	2:9L:267:ASN:CG	2.00	0.85
2:8w:154:ALA:HB1	2:9I:158[B]:ILE:HD13	1.55	0.85
2:8y:183:PHE:CE1	2:9J:199:LEU:CD1	2.59	0.85
2:6w:226:ILE:O	2:7t:219:LYS:O	1.95	0.85
1:1C:444:GLY:CA	2:1g:45:LYS:CE	2.54	0.85
1:1D:314:ASN:O	1:1D:314:ASN:OD1	1.94	0.85
1:8A:448:ALA:CB	2:8e:57:MET:CE	2.51	0.85
1:2H:25:ARG:NH2	2:4h:51:ASP:OD2	2.10	0.85
1:5L:447:GLN:CG	2:5h:44:VAL:CG1	2.48	0.85
1:8L:200:ILE:O	1:8L:200:ILE:HG13	1.73	0.85
1:8S:24:ILE:HG22	1:8S:24:ILE:O	1.77	0.85
1:3a:408:GLU:CG	1:3a:437:ILE:HD12	2.07	0.85
2:1h:226:ILE:HG22	2:2t:222:LEU:HD12	1.58	0.85
2:1h:239:THR:HA	2:2t:247:LYS:H	1.35	0.85
2:4f:245:VAL:H	2:3l:242:LEU:HD22	1.41	0.85
2:6g:200:LEU:HD13	2:7Z:200:LEU:HD11	1.57	0.85
2:6g:225:MET:O	2:7Z:214:PRO:HG2	1.76	0.85
2:6g:243:GLY:H	2:7Z:244:GLY:CA	1.89	0.85
2:6g:243:GLY:H	2:7Z:244:GLY:HA3	1.42	0.85
2:8e:280:SER:O	2:9F:249:ALA:C	2.18	0.85
2:2h:201:VAL:HG13	2:3p:210:LEU:HB3	1.57	0.85
2:2h:242:LEU:HD13	2:3p:243:GLY:CA	2.06	0.85
2:4h:245:VAL:N	2:3p:242:LEU:HD21	1.72	0.85
2:8o:73:VAL:HG11	2:7l:27:ILE:CA	2.06	0.85
2:2m:201:VAL:HG13	2:3t:210:LEU:HB3	1.57	0.85
2:4j:61:ALA:HB3	2:3t:57:MET:HB3	1.59	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:124:ASP:O	2:9H:119:SER:HA	1.76	0.85
2:1r:244:GLY:CA	2:3r:242:LEU:HB3	2.06	0.85
2:1s:279:ILE:HG21	2:3s:272:VAL:HG11	1.35	0.85
2:2q:223:ARG:CD	2:3q:227:GLY:C	2.46	0.85
2:2q:234:LEU:HD23	2:3q:242:LEU:C	1.98	0.85
2:6r:242:LEU:HD13	2:5n:235:PRO:O	1.76	0.85
2:6s:227:GLY:HA3	2:7o:223:ARG:HH11	1.37	0.85
2:7r:254:SER:CA	2:9L:267:ASN:HD21	1.88	0.85
2:8w:124:ASP:O	2:9I:119:SER:HA	1.76	0.85
2:8y:41:TYR:OH	2:9M:97:TYR:OH	1.70	0.85
2:1v:119:SER:HB3	2:3v:126:LYS:HG3	1.58	0.85
2:3u:273:LEU:CD2	2:4m:279:ILE:CG2	2.54	0.85
1:3C:408:GLU:CG	1:3C:437:ILE:HD12	2.07	0.85
1:7H:445:GLY:H	2:7f:45:LYS:HE3	1.40	0.85
1:3O:408:GLU:CG	1:3O:437:ILE:HD12	2.07	0.85
1:7M:392:THR:CB	2:7k:14:MET:HE3	2.05	0.85
1:8R:447:GLN:O	2:8s:42:VAL:N	2.10	0.85
1:6W:443:SER:C	2:6r:45:LYS:HZ2	1.84	0.85
1:1b:445:GLY:O	2:1x:44:VAL:HG22	1.77	0.85
1:3c:202:GLU:O	1:3c:209:ALA:CB	2.24	0.85
1:6Z:448:ALA:HB2	2:6w:41:TYR:CE1	2.05	0.85
1:7W:392:THR:HB	2:7u:14:MET:CE	2.07	0.85
2:1g:234:LEU:HD12	2:3g:234:LEU:CD2	1.89	0.85
2:2c:120:ILE:HD13	2:3l:120:ILE:HD13	1.58	0.85
2:6e:252:THR:C	2:8i:270:ILE:HD13	2.01	0.85
2:6g:203:ASN:HD22	2:7Z:212:GLY:HA3	1.37	0.85
2:7c:158[B]:ILE:CG2	2:8j:149[B]:ILE:HG23	2.06	0.85
2:7c:262:ALA:CB	2:8j:263:VAL:HG23	2.06	0.85
2:8e:238:THR:O	2:9F:246:LYS:HG2	1.74	0.85
2:8e:254:SER:O	2:9O:267:ASN:ND2	2.09	0.85
2:8i:120:ILE:O	2:7g:125:ILE:HA	1.74	0.85
2:9F:239:THR:HG23	2:9O:247:LYS:HB3	0.86	0.85
2:1i:226:ILE:CD1	2:2e:226:ILE:CD1	2.54	0.85
2:1j:200:LEU:CD1	2:3j:200:LEU:CD2	2.44	0.85
2:2g:223:ARG:CD	2:3i:227:GLY:C	2.46	0.85
2:6i:269:LEU:HD23	2:8o:269:LEU:CD2	2.06	0.85
2:2m:242:LEU:HD13	2:3t:243:GLY:CA	2.06	0.85
2:2m:242:LEU:CA	2:3t:234:LEU:HD21	2.07	0.85
2:2n:231:PRO:HG3	2:3s:229:GLY:HA2	1.59	0.85
2:6m:57:MET:HB3	2:7q:61:ALA:HB1	1.59	0.85
2:7m:254:SER:CA	2:8v:267:ASN:HD21	1.88	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1r:247:LYS:HG2	2:3r:239:THR:CG2	2.06	0.85
2:2o:222:LEU:CD1	2:1x:226:ILE:CG2	2.46	0.85
2:6s:227:GLY:C	2:7o:223:ARG:HH11	1.85	0.85
2:7r:148[B]:ILE:CD1	2:9L:148[B]:ILE:CD1	2.55	0.85
2:7r:259:VAL:N	2:9L:259:VAL:HG21	1.91	0.85
2:8w:154:ALA:CB	2:9I:158[A]:ILE:HA	2.07	0.85
2:8y:270:ILE:HD13	2:9M:253:ALA:HA	1.55	0.85
2:2v:236:ALA:CA	2:3u:242:LEU:CD2	2.50	0.85
1:1M:445:GLY:HA2	2:1m:44:VAL:HB	1.59	0.85
1:3O:443:SER:CA	2:3p:45:LYS:NZ	2.40	0.85
1:5R:444:GLY:HA2	2:5j:44:VAL:H	1.41	0.85
1:1S:447:GLN:HG3	2:1q:44:VAL:CG2	2.07	0.85
1:1Y:447:GLN:HG3	2:1u:44:VAL:CG2	2.07	0.85
2:1e:247:LYS:CE	2:2Z:280:SER:OG	2.23	0.85
2:1h:239:THR:CA	2:2t:247:LYS:N	2.40	0.85
2:2Z:222:LEU:HD12	2:1l:226:ILE:HG22	1.58	0.85
2:2a:228:ALA:HB1	2:3f:228:ALA:HB1	0.86	0.85
2:7a:57:MET:HE2	2:6v:111:VAL:CG2	2.06	0.85
2:8e:154:ALA:CB	2:9F:158[A]:ILE:HA	2.07	0.85
2:8e:209:LEU:CD2	2:9F:209:LEU:CD2	2.52	0.85
2:1i:223:ARG:HH11	2:2e:227:GLY:CA	1.88	0.85
2:1j:244:GLY:CA	2:3j:242:LEU:HB3	2.06	0.85
2:4h:61:ALA:HB3	2:3p:57:MET:HB3	1.59	0.85
2:6i:246:LYS:HG3	2:8o:242:LEU:HD23	1.57	0.85
2:7h:111:VAL:CG1	2:8p:57:MET:HE2	2.07	0.85
2:7h:148[B]:ILE:CD1	2:8p:148[B]:ILE:CD1	2.54	0.85
2:8k:238:THR:O	2:9G:246:LYS:HG2	1.74	0.85
2:1n:244:GLY:CA	2:3n:242:LEU:HB3	2.06	0.85
2:2j:223:ARG:HD3	2:1t:228:ALA:N	1.90	0.85
2:2k:206:VAL:CG2	2:3n:209:LEU:HG	2.07	0.85
2:6n:111:VAL:CG2	2:7p:57:MET:HE2	2.06	0.85
2:7m:148[B]:ILE:CD1	2:8v:148[B]:ILE:CD1	2.55	0.85
2:2o:223:ARG:CD	2:1x:228:ALA:CA	2.55	0.85
2:2s:245:VAL:O	2:3w:237:ALA:HB2	1.74	0.85
2:4l:61:ALA:HB3	2:3x:57:MET:HB3	1.59	0.85
2:6r:238:THR:C	2:5n:247:LYS:N	2.30	0.85
2:8w:232:TYR:HB2	2:9I:232:TYR:CB	1.91	0.85
2:1u:222:LEU:HB2	2:2t:226:ILE:HG22	1.57	0.85
2:5m:266:LEU:HD21	2:6w:265:ASP:C	2.02	0.85
1:1B:448:ALA:HB2	2:1f:41:TYR:HD1	0.99	0.85
1:5E:199:LYS:HD2	1:5E:201:ASP:HB3	1.58	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5F:419:ASP:CG	1:5F:425:LYS:NZ	2.34	0.85
1:7G:444:GLY:HA3	2:7g:45:LYS:CE	2.07	0.85
1:3U:408:GLU:CG	1:3U:437:ILE:HD12	2.07	0.85
1:1a:444:GLY:N	2:1w:45:LYS:HE3	1.91	0.85
1:6c:200:ILE:O	1:6c:343:SER:HA	1.76	0.85
2:1g:278:ILE:HG21	2:3g:278:ILE:HD13	1.56	0.85
2:2Z:223:ARG:CD	2:1l:228:ALA:CA	2.55	0.85
2:3h:243:GLY:CA	2:2w:242:LEU:HD13	2.06	0.85
2:5f:236:ALA:CA	2:6v:242:LEU:HD11	2.06	0.85
2:6e:148[B]:ILE:HD12	2:7g:148[B]:ILE:HD11	1.59	0.85
2:6f:242:LEU:HD11	2:5h:236:ALA:CA	2.06	0.85
2:7c:248:GLY:CA	2:8j:279:ILE:HA	2.07	0.85
2:7c:254:SER:C	2:8j:267:ASN:HD21	1.84	0.85
2:6k:225:MET:CG	2:7e:214:PRO:HG3	2.04	0.85
2:6k:227:GLY:C	2:7e:223:ARG:HH11	1.85	0.85
2:7h:254:SER:C	2:8p:267:ASN:HD21	1.84	0.85
2:2k:57:MET:HE2	2:3n:111:VAL:CG2	2.07	0.85
2:4j:245:VAL:H	2:3t:242:LEU:HD22	1.41	0.85
2:2u:226:ILE:HD12	2:3v:223:ARG:CA	2.07	0.85
2:7w:259:VAL:N	2:9R:259:VAL:HG21	1.91	0.85
1:5K:199:LYS:HD2	1:5K:201:ASP:HB3	1.59	0.84
1:1S:445:GLY:HA2	2:1q:44:VAL:HB	1.59	0.84
2:3g:263:VAL:CG2	2:2x:262:ALA:CB	2.55	0.84
2:5f:229:GLY:N	2:7a:229:GLY:O	2.09	0.84
2:6g:228:ALA:CA	2:7Z:223:ARG:HD3	2.04	0.84
2:6h:279:ILE:CD1	2:8j:251:VAL:CG1	2.49	0.84
2:7c:111:VAL:CG1	2:8j:57:MET:HE2	2.07	0.84
2:8e:242:LEU:CD2	2:9F:236:ALA:HB2	2.05	0.84
2:8g:267:ASN:ND2	2:8k:254:SER:O	2.09	0.84
2:2g:222:LEU:CD1	2:3i:226:ILE:CG2	2.49	0.84
2:5g:267:ASN:HD21	2:6k:254:SER:CA	1.87	0.84
2:6k:243:GLY:H	2:7e:244:GLY:HA3	1.42	0.84
2:8k:124:ASP:O	2:9G:119:SER:HA	1.76	0.84
2:8m:183:PHE:CE1	2:9H:199:LEU:CD1	2.59	0.84
2:1n:119:SER:HB3	2:3n:126:LYS:HG3	1.58	0.84
2:6n:238:THR:C	2:5l:247:LYS:N	2.31	0.84
2:2q:222:LEU:CD1	2:3q:226:ILE:CG2	2.49	0.84
2:2s:262:ALA:CB	2:3w:263:VAL:CG2	2.54	0.84
2:3q:273:LEU:CD2	2:4k:279:ILE:CG2	2.54	0.84
2:6q:248:GLY:N	2:9K:278:ILE:O	2.09	0.84
2:6s:243:GLY:H	2:7o:244:GLY:CA	1.89	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:279:ILE:CG2	2:9I:273:LEU:CD2	2.51	0.84
2:1w:273:LEU:HD13	2:3w:273:LEU:HD21	1.58	0.84
2:6u:256:ALA:O	2:9Q:263:VAL:CG2	2.25	0.84
2:6w:242:LEU:CD2	2:7t:236:ALA:CA	2.53	0.84
2:9M:154:ALA:HB1	2:9J:158[B]:ILE:HD13	1.56	0.84
2:9M:240:THR:C	2:9J:246:LYS:HZ3	1.66	0.84
1:1C:444:GLY:HA2	2:1g:45:LYS:CE	2.05	0.84
1:3K:202:GLU:O	1:3K:209:ALA:CB	2.24	0.84
1:6G:448:ALA:CB	2:6l:41:TYR:CD2	2.59	0.84
1:6L:447:GLN:C	2:6i:56:ASN:HB2	2.01	0.84
1:8R:444:GLY:N	2:8s:45:LYS:CE	2.36	0.84
1:1b:445:GLY:N	2:1x:44:VAL:CG2	2.40	0.84
2:2Z:246:LYS:HD3	2:1l:239:THR:O	1.77	0.84
2:2c:206:VAL:HG22	2:3l:209:LEU:HG	0.86	0.84
2:3g:237:ALA:HB2	2:2x:245:VAL:O	1.75	0.84
2:6e:248:GLY:N	2:8i:278:ILE:O	2.09	0.84
2:1j:223:ARG:CD	2:3j:227:GLY:O	2.25	0.84
2:2g:57:MET:CE	2:4g:111:VAL:HG22	2.04	0.84
2:2g:234:LEU:HD23	2:3i:242:LEU:C	1.98	0.84
2:2g:234:LEU:HD21	2:3i:243:GLY:N	1.93	0.84
2:6i:252:THR:C	2:8o:270:ILE:HD13	2.01	0.84
2:8k:154:ALA:CB	2:9G:158[A]:ILE:HA	2.07	0.84
2:1o:270:ILE:HG23	2:3o:251:VAL:HG21	1.60	0.84
2:5i:267:ASN:HD21	2:6o:254:SER:CA	1.87	0.84
2:6n:226:ILE:O	2:5l:223:ARG:CG	2.23	0.84
2:6o:196:LEU:HD22	2:7j:183:PHE:HZ	1.39	0.84
2:1q:226:ILE:O	2:1x:223:ARG:HD3	1.77	0.84
2:1s:278:ILE:HG21	2:3s:278:ILE:HD13	1.56	0.84
2:2r:242:LEU:C	2:3x:234:LEU:HD21	2.02	0.84
2:5k:111:VAL:CG1	2:7o:57:MET:HE2	2.06	0.84
2:7r:234:LEU:HD13	2:9L:234:LEU:HD13	1.56	0.84
2:8w:209:LEU:CD2	2:9I:209:LEU:CD2	2.52	0.84
2:8y:247:LYS:HB3	2:9J:239:THR:HG23	0.86	0.84
2:8z:226:ILE:CD1	2:7x:226:ILE:HD11	2.04	0.84
2:1v:247:LYS:HG2	2:3v:239:THR:CG2	2.07	0.84
2:6w:200:LEU:HD13	2:7t:200:LEU:HD13	1.57	0.84
1:3E:202:GLU:O	1:3E:209:ALA:CB	2.24	0.84
1:7C:355:SER:CB	1:7C:356:PRO:CD	2.40	0.84
1:3J:445:GLY:O	2:3k:44:VAL:HG22	1.77	0.84
1:6H:448:ALA:HB2	2:6k:41:TYR:CD1	2.11	0.84
1:8K:447:GLN:HB3	2:8n:56:ASN:HB2	1.58	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8M:444:GLY:O	2:8q:56:ASN:OD1	1.95	0.84
1:8O:444:GLY:O	2:8v:44:VAL:HG22	1.76	0.84
1:1S:446:ALA:H	2:1q:44:VAL:H	1.21	0.84
1:5W:199:LYS:HD2	1:5W:201:ASP:HB3	1.58	0.84
1:1b:314:ASN:OD1	1:1b:314:ASN:O	1.94	0.84
2:2Z:223:ARG:HD3	2:1l:228:ALA:N	1.90	0.84
2:2Z:236:ALA:HA	2:1l:242:LEU:HD21	1.57	0.84
2:2f:226:ILE:HD12	2:3j:223:ARG:CA	2.07	0.84
2:2f:242:LEU:HA	2:3j:244:GLY:C	2.02	0.84
2:6i:269:LEU:HD23	2:8o:269:LEU:HD23	1.59	0.84
2:6j:120:ILE:CD1	2:7k:120:ILE:CD1	2.38	0.84
2:8k:180:VAL:HG11	2:9G:184:LEU:CA	2.06	0.84
2:2m:120:ILE:HD13	2:3t:120:ILE:HD13	1.58	0.84
2:6m:246:LYS:HG3	2:8u:242:LEU:HD23	1.58	0.84
2:6m:256:ALA:O	2:8u:263:VAL:CG2	2.25	0.84
2:8s:183:PHE:CE1	2:9I:199:LEU:CD1	2.59	0.84
2:2p:206:VAL:CG2	2:3r:209:LEU:HG	2.07	0.84
2:2p:226:ILE:O	2:3r:219:LYS:O	1.95	0.84
2:6q:148[B]:ILE:HD12	2:7v:148[B]:ILE:HD11	1.59	0.84
2:6s:114:ARG:HB2	2:7o:114:ARG:HD2	1.60	0.84
2:6s:242:LEU:HD13	2:7o:236:ALA:N	1.72	0.84
2:2v:214:PRO:CG	2:3u:225:MET:CG	2.53	0.84
2:9M:174:LEU:CD2	2:9J:170:LEU:CB	2.55	0.84
1:8D:445:GLY:O	2:8i:45:LYS:N	2.09	0.84
1:1Q:201:ASP:O	1:1Q:202:GLU:HG2	1.78	0.84
2:1e:223:ARG:HH11	2:2Z:227:GLY:CA	1.88	0.84
2:1e:226:ILE:O	2:1l:223:ARG:HD3	1.78	0.84
2:2Z:222:LEU:CD1	2:1l:226:ILE:CG2	2.46	0.84
2:2d:262:ALA:CB	2:3k:263:VAL:CG2	2.55	0.84
2:3h:234:LEU:HD21	2:2w:242:LEU:CA	2.07	0.84
2:4f:61:ALA:HB3	2:3l:57:MET:HB3	1.59	0.84
2:6e:257:THR:N	2:8i:259:VAL:CG1	2.39	0.84
2:8g:183:PHE:CE1	2:9G:199:LEU:CD1	2.59	0.84
2:1i:226:ILE:O	2:1p:223:ARG:HD3	1.77	0.84
2:2i:262:ALA:CB	2:3o:263:VAL:CG2	2.55	0.84
2:6i:148[B]:ILE:HD11	2:8o:148[B]:ILE:CD1	2.05	0.84
2:7h:248:GLY:CA	2:8p:279:ILE:HA	2.07	0.84
2:1o:273:LEU:HD13	2:3o:273:LEU:HD21	1.58	0.84
2:2m:242:LEU:C	2:3t:234:LEU:HD21	2.02	0.84
2:1r:247:LYS:HG2	2:3r:239:THR:HG22	1.58	0.84
2:6q:257:THR:N	2:9K:259:VAL:CG1	2.39	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:174:LEU:CD2	2:9I:170:LEU:CB	2.55	0.84
2:8y:242:LEU:CD2	2:9M:246:LYS:HG2	2.02	0.84
2:7w:148[B]:ILE:CD1	2:9R:148[B]:ILE:CD1	2.55	0.84
1:1E:201:ASP:O	1:1E:202:GLU:HG2	1.78	0.84
1:7H:26:ASN:OD1	2:8h:52:LEU:HD11	1.78	0.84
1:7P:447:GLN:O	2:7s:42:VAL:HG12	1.77	0.84
2:5e:111:VAL:CG1	2:7Z:57:MET:HE2	2.06	0.84
2:7b:61:ALA:HB1	2:6u:57:MET:HB3	1.59	0.84
2:8e:180:VAL:HG11	2:9F:184:LEU:CA	2.06	0.84
2:8e:200:LEU:CD2	2:9F:196:LEU:HB3	2.03	0.84
2:1i:247:LYS:CE	2:2e:280:SER:OG	2.23	0.84
2:1k:278:ILE:HG21	2:3k:278:ILE:HD13	1.56	0.84
2:2h:120:ILE:HD13	2:3p:120:ILE:HD13	1.58	0.84
2:3i:246:LYS:HE2	2:4g:240:THR:O	1.76	0.84
2:3i:273:LEU:CD2	2:4g:279:ILE:CG2	2.54	0.84
2:5h:229:GLY:N	2:7f:229:GLY:O	2.09	0.84
2:6k:226:ILE:O	2:7e:219:LYS:O	1.95	0.84
2:8m:219:LYS:HA	2:9H:226:ILE:HA	1.60	0.84
2:1n:234:LEU:HD21	2:3n:242:LEU:CB	2.08	0.84
2:2m:240:THR:HA	2:3t:246:LYS:CB	2.03	0.84
2:2n:262:ALA:CB	2:3s:263:VAL:CG2	2.55	0.84
2:6m:269:LEU:HD23	2:8u:269:LEU:CD2	2.06	0.84
2:1s:273:LEU:HD13	2:3s:273:LEU:HD21	1.58	0.84
2:2o:222:LEU:HD12	2:1x:226:ILE:HG22	1.58	0.84
2:2p:226:ILE:HD12	2:3r:223:ARG:CA	2.07	0.84
2:4l:245:VAL:H	2:3x:242:LEU:HD22	1.41	0.84
2:6q:57:MET:HB3	2:7v:61:ALA:HB1	1.59	0.84
2:6s:243:GLY:H	2:7o:244:GLY:HA3	1.42	0.84
2:7r:248:GLY:CA	2:9L:279:ILE:HA	2.07	0.84
2:5n:229:GLY:N	2:7u:229:GLY:O	2.09	0.84
2:7w:248:GLY:CA	2:9R:279:ILE:HA	2.08	0.84
1:9B:447:GLN:C	2:9G:41:TYR:CD1	2.51	0.84
1:2K:28:GLN:HE21	2:1t:27:ILE:HD12	0.87	0.84
1:3O:202:GLU:OE1	1:3O:343:SER:OG	1.96	0.84
1:8R:445:GLY:HA2	2:8s:45:LYS:H	1.39	0.84
1:2Q:25:ARG:NH2	2:3w:51:ASP:OD1	2.11	0.84
2:1f:247:LYS:HB3	2:3f:239:THR:CG2	2.07	0.84
2:1h:223:ARG:HD3	2:1u:226:ILE:O	1.78	0.84
2:2b:223:ARG:CD	2:3e:227:GLY:O	2.26	0.84
2:2b:223:ARG:NH1	2:3e:227:GLY:CA	2.37	0.84
2:7b:148[B]:ILE:HD11	2:6u:148[B]:ILE:HD12	1.59	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:174:LEU:CD2	2:9F:170:LEU:CB	2.55	0.84
2:8e:206:VAL:CG2	2:9F:212:GLY:CA	2.56	0.84
2:1j:119:SER:HB3	2:3j:126:LYS:HG3	1.58	0.84
2:1j:247:LYS:HB3	2:3j:239:THR:CG2	2.07	0.84
2:1j:247:LYS:HB2	2:3j:238:THR:O	1.78	0.84
2:1m:226:ILE:CD1	2:2j:226:ILE:CD1	2.54	0.84
2:1n:200:LEU:CD1	2:3n:200:LEU:CD2	2.44	0.84
2:2l:57:MET:CE	2:4i:111:VAL:HG22	2.04	0.84
2:2l:244:GLY:CA	2:3m:243:GLY:N	2.36	0.84
2:2n:232:TYR:HD2	2:3s:232:TYR:CE1	1.94	0.84
2:1q:234:LEU:HD21	2:2o:242:LEU:HB2	1.42	0.84
2:1r:234:LEU:HD21	2:3r:242:LEU:CB	2.08	0.84
2:2q:246:LYS:CE	2:3q:240:THR:C	2.45	0.84
2:8w:278:ILE:CG2	2:9I:278:ILE:HG23	2.03	0.84
2:8y:267:ASN:ND2	2:9M:254:SER:O	2.09	0.84
2:6u:252:THR:C	2:9Q:270:ILE:HD13	2.02	0.84
2:7w:111:VAL:CG1	2:9R:57:MET:HE2	2.07	0.84
1:7D:447:GLN:HG3	2:7Z:44:VAL:HG11	1.60	0.84
1:7M:392:THR:CG2	2:7k:14:MET:HE3	2.07	0.84
1:3W:202:GLU:O	1:3W:209:ALA:CB	2.24	0.84
1:1b:443:SER:HA	2:1x:56:ASN:HD22	1.37	0.84
2:3h:242:LEU:HD22	2:4n:245:VAL:H	1.41	0.84
2:6g:225:MET:HG3	2:7Z:214:PRO:CD	2.08	0.84
2:2e:247:LYS:CG	2:1p:280:SER:OG	2.25	0.84
2:6k:200:LEU:HD13	2:7e:200:LEU:HD11	1.57	0.84
2:6k:242:LEU:CD2	2:7e:236:ALA:CA	2.53	0.84
2:8k:270:ILE:CB	2:9G:269:LEU:HD13	2.06	0.84
2:1m:242:LEU:CD2	2:1t:245:VAL:CA	2.55	0.84
2:1n:223:ARG:CD	2:3n:227:GLY:O	2.26	0.84
2:2j:246:LYS:CE	2:1t:240:THR:O	2.25	0.84
2:2j:247:LYS:CG	2:1t:280:SER:OG	2.25	0.84
2:2l:248:GLY:O	2:3m:280:SER:OG	1.95	0.84
2:2n:234:LEU:HD21	2:3s:243:GLY:CA	2.08	0.84
2:5i:278:ILE:HG23	2:6o:278:ILE:CD1	2.08	0.84
2:6n:120:ILE:CD1	2:7p:120:ILE:CD1	2.38	0.84
2:7m:248:GLY:CA	2:8v:279:ILE:HA	2.07	0.84
2:8s:247:LYS:HB3	2:9I:239:THR:HG23	0.86	0.84
2:2r:120:ILE:HD13	2:3x:120:ILE:HD13	1.58	0.84
2:2r:242:LEU:CA	2:3x:234:LEU:HD21	2.07	0.84
2:6s:200:LEU:HD13	2:7o:200:LEU:HD11	1.57	0.84
2:1v:280:SER:OG	2:2u:247:LYS:HE2	1.78	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2u:228:ALA:HB1	2:3v:228:ALA:HB1	0.86	0.84
2:5m:267:ASN:HD21	2:6w:254:SER:CA	1.87	0.84
2:6u:246:LYS:HG3	2:9Q:242:LEU:HD23	1.58	0.84
1:5R:443:SER:O	2:5j:44:VAL:HG22	1.77	0.84
1:1V:444:GLY:HA2	2:1t:44:VAL:HG21	1.60	0.84
1:7V:394:THR:HA	2:7v:16:TYR:HE1	1.42	0.84
2:3h:41:TYR:OH	2:4n:97:TYR:OH	1.96	0.84
2:7c:148[B]:ILE:CD1	2:8j:148[B]:ILE:CD1	2.55	0.84
2:8g:247:LYS:HB3	2:9G:239:THR:CB	1.93	0.84
2:9F:242:LEU:HD22	2:9O:244:GLY:N	1.88	0.84
2:1j:280:SER:OG	2:2f:247:LYS:HE2	1.78	0.84
2:2e:246:LYS:HD3	2:1p:239:THR:O	1.77	0.84
2:6k:225:MET:HG3	2:7e:214:PRO:CD	2.08	0.84
2:8s:223:ARG:CG	2:9I:226:ILE:O	2.18	0.84
2:1q:242:LEU:CD2	2:1x:245:VAL:CA	2.55	0.84
2:2o:246:LYS:HD3	2:1x:239:THR:O	1.77	0.84
2:2r:206:VAL:HG22	2:3x:209:LEU:HG	0.86	0.84
2:6s:150:GLU:OE1	2:7o:141:PRO:HB2	1.78	0.84
2:8w:206:VAL:CG2	2:9I:212:GLY:CA	2.56	0.84
2:1v:223:ARG:CD	2:3v:227:GLY:O	2.25	0.84
2:2u:226:ILE:O	2:3v:219:LYS:O	1.96	0.84
1:1W:201:ASP:O	1:1W:202:GLU:HG2	1.78	0.84
1:5W:199:LYS:CG	1:5W:202:GLU:CG	2.50	0.84
1:7U:447:GLN:HA	2:7x:41:TYR:HE1	1.43	0.84
2:1f:119:SER:HB3	2:3f:126:LYS:HG3	1.58	0.84
2:2Z:247:LYS:N	2:1l:239:THR:CA	2.40	0.84
2:9F:199:LEU:CD1	2:9O:183:PHE:CE1	2.60	0.84
2:9F:226:ILE:CG2	2:9O:222:LEU:HD13	2.08	0.84
2:2g:238:THR:C	2:4g:247:LYS:H	1.84	0.84
2:2i:234:LEU:HD21	2:3o:243:GLY:CA	2.08	0.84
2:7h:251:VAL:HG22	2:8p:270:ILE:HG23	1.59	0.84
2:8m:244:GLY:CA	2:9H:242:LEU:CA	2.53	0.84
2:1n:228:ALA:CB	2:3n:228:ALA:HB1	1.95	0.84
2:2k:242:LEU:HA	2:3n:244:GLY:C	2.02	0.84
2:2l:234:LEU:HD21	2:3m:243:GLY:N	1.92	0.84
2:6m:252:THR:C	2:8u:270:ILE:HD13	2.01	0.84
2:7m:111:VAL:CG1	2:8v:57:MET:HE2	2.07	0.84
2:2q:214:PRO:CG	2:3q:225:MET:CG	2.53	0.84
2:2q:248:GLY:O	2:3q:280:SER:OG	1.95	0.84
2:2r:201:VAL:HG13	2:3x:210:LEU:HB3	1.57	0.84
2:1v:247:LYS:HB3	2:3v:239:THR:CG2	2.07	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:154:ALA:CB	2:9J:158[A]:ILE:HA	2.07	0.84
1:1C:447:GLN:HG3	2:1g:60:LEU:HD12	1.60	0.84
1:9A:28:GLN:NE2	2:8w:27:ILE:CD1	2.14	0.84
1:3I:408:GLU:CG	1:3I:437:ILE:HD12	2.07	0.84
1:5L:446:ALA:CA	2:5h:56:ASN:HB2	2.07	0.84
1:8H:447:GLN:CG	2:8l:44:VAL:CG2	2.56	0.84
1:3Q:202:GLU:O	1:3Q:209:ALA:CB	2.24	0.84
1:4Q:407:ASN:ND2	2:4i:44:VAL:O	2.10	0.84
1:3a:202:GLU:OE1	1:3a:343:SER:OG	1.96	0.84
2:2Z:246:LYS:CE	2:1l:240:THR:O	2.25	0.84
2:2b:248:GLY:O	2:3e:280:SER:OG	1.95	0.84
2:3e:246:LYS:HE2	2:4e:240:THR:O	1.76	0.84
2:3h:242:LEU:HD13	2:4n:244:GLY:HA3	1.60	0.84
2:5e:120:ILE:HD13	2:7Z:120:ILE:HG21	1.60	0.84
2:6g:227:GLY:C	2:7Z:223:ARG:HH11	1.85	0.84
2:8g:219:LYS:HA	2:9G:226:ILE:HA	1.60	0.84
2:1k:263:VAL:HG23	2:3k:262:ALA:HB2	0.88	0.84
2:1k:273:LEU:HD13	2:3k:273:LEU:HD21	1.58	0.84
2:2e:119:SER:HA	2:1p:124:ASP:O	1.78	0.84
2:2e:223:ARG:CD	2:1p:228:ALA:CA	2.55	0.84
2:2f:201:VAL:HA	2:3j:197:GLN:HE21	1.42	0.84
2:2f:206:VAL:CG2	2:3j:209:LEU:HG	2.07	0.84
2:2h:225:MET:HG2	2:3p:222:LEU:HD13	1.57	0.84
2:6i:148[B]:ILE:HD12	2:7l:148[B]:ILE:HD11	1.59	0.84
2:6i:247:LYS:HG3	2:8o:277:GLY:O	1.78	0.84
2:6k:232:TYR:CZ	2:7e:232:TYR:CE2	2.64	0.84
2:8k:174:LEU:CD2	2:9G:170:LEU:CB	2.55	0.84
2:8m:200:LEU:HD11	2:9H:200:LEU:CD1	2.03	0.84
2:1n:247:LYS:HG2	2:3n:239:THR:HG22	1.59	0.84
2:2j:119:SER:HA	2:1t:124:ASP:O	1.78	0.84
2:2l:238:THR:C	2:4i:247:LYS:H	1.84	0.84
2:6o:114:ARG:HB2	2:7j:114:ARG:HD2	1.60	0.84
2:6o:243:GLY:HA2	2:7j:234:LEU:HD21	1.59	0.84
2:1r:119:SER:HB3	2:3r:126:LYS:HG3	1.58	0.84
2:1r:223:ARG:CD	2:3r:227:GLY:O	2.26	0.84
2:6q:256:ALA:O	2:9K:263:VAL:CG2	2.25	0.84
2:2u:242:LEU:HA	2:3v:244:GLY:C	2.02	0.84
2:2v:234:LEU:HD21	2:3u:243:GLY:N	1.92	0.84
2:5m:278:ILE:HG23	2:6w:278:ILE:CD1	2.08	0.84
2:6w:225:MET:HG3	2:7t:214:PRO:CD	2.08	0.84
2:9M:206:VAL:CG2	2:9J:212:GLY:CA	2.56	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2C:28:GLN:HE22	2:4f:27:ILE:HD11	1.37	0.83
1:5M:202:GLU:O	1:5M:209:ALA:HB1	1.78	0.83
1:5S:202:GLU:O	1:5S:209:ALA:HB1	1.78	0.83
1:6X:447:GLN:NE2	2:6q:56:ASN:HD21	1.65	0.83
1:8X:444:GLY:H	2:8y:45:LYS:HD2	1.42	0.83
1:6Y:446:ALA:O	2:6x:56:ASN:N	2.10	0.83
2:1g:263:VAL:HG11	2:3g:256:ALA:HB3	1.60	0.83
2:2a:206:VAL:CG2	2:3f:209:LEU:HG	2.07	0.83
2:3h:57:MET:HB3	2:4n:61:ALA:HB3	1.59	0.83
2:7c:245:VAL:HG23	2:8j:245:VAL:CG1	2.07	0.83
2:8g:222:LEU:HD13	2:9G:226:ILE:CG2	2.08	0.83
2:1i:242:LEU:CD2	2:1p:245:VAL:CA	2.55	0.83
2:5g:111:VAL:HG13	2:7e:57:MET:CE	2.08	0.83
2:8k:278:ILE:HG22	2:9G:278:ILE:CG1	1.88	0.83
2:8n:254:SER:HB2	2:8r:266:LEU:HD23	1.57	0.83
2:1n:247:LYS:HB3	2:3n:239:THR:CG2	2.07	0.83
2:1n:280:SER:OG	2:2k:247:LYS:HE2	1.78	0.83
2:1o:267:ASN:OD1	2:3o:254:SER:HB2	1.78	0.83
2:5i:111:VAL:HG13	2:7j:57:MET:CE	2.08	0.83
2:5j:229:GLY:N	2:7k:229:GLY:O	2.09	0.83
2:6o:150:GLU:OE1	2:7j:141:PRO:HB2	1.78	0.83
2:2o:236:ALA:HA	2:1x:242:LEU:HD21	1.56	0.83
2:2p:242:LEU:HA	2:3r:244:GLY:C	2.02	0.83
2:2s:234:LEU:HD21	2:3w:243:GLY:CA	2.08	0.83
2:6s:225:MET:HG3	2:7o:214:PRO:CD	2.08	0.83
2:6s:226:ILE:O	2:7o:219:LYS:O	1.95	0.83
1:3I:202:GLU:CB	1:3I:343:SER:CB	2.53	0.83
1:9D:447:GLN:HG3	2:9I:41:TYR:OH	1.77	0.83
2:1f:223:ARG:CD	2:3f:227:GLY:O	2.26	0.83
2:2a:57:MET:HE2	2:3f:111:VAL:CG2	2.07	0.83
2:9F:227:GLY:CA	2:9O:223:ARG:NH1	2.05	0.83
2:1i:247:LYS:N	2:2e:239:THR:O	2.11	0.83
2:1j:234:LEU:HD21	2:3j:242:LEU:CB	2.08	0.83
2:2g:223:ARG:CD	2:3i:227:GLY:O	2.26	0.83
2:5g:120:ILE:HD13	2:7e:120:ILE:HG21	1.60	0.83
2:6i:256:ALA:O	2:8o:263:VAL:CG2	2.25	0.83
2:6k:114:ARG:HB2	2:7e:114:ARG:HD2	1.60	0.83
2:6k:150:GLU:OE1	2:7e:141:PRO:HB2	1.78	0.83
2:6k:226:ILE:HG21	2:7e:222:LEU:HB3	1.60	0.83
2:1s:267:ASN:OD1	2:3s:254:SER:HB2	1.78	0.83
2:2o:246:LYS:CE	2:1x:240:THR:O	2.25	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:234:LEU:HD21	2:3q:243:GLY:N	1.93	0.83
2:7r:251:VAL:HG22	2:9L:270:ILE:HG23	1.59	0.83
2:8w:241:THR:N	2:9I:246:LYS:HE2	1.93	0.83
2:8w:278:ILE:HG22	2:9I:278:ILE:CG1	1.89	0.83
2:2v:223:ARG:CD	2:3u:227:GLY:O	2.26	0.83
2:6w:114:ARG:HB2	2:7t:114:ARG:HD2	1.60	0.83
2:6x:279:ILE:CD1	2:9R:251:VAL:CG1	2.49	0.83
1:6K:448:ALA:HB3	2:6j:57:MET:HE1	1.60	0.83
1:8L:443:SER:CA	2:8m:45:LYS:HZ2	1.62	0.83
1:7L:447:GLN:C	2:7l:41:TYR:CD1	2.56	0.83
1:7T:445:GLY:HA2	2:7r:45:LYS:HB3	1.60	0.83
1:7X:445:GLY:HA2	2:7t:45:LYS:HD2	1.58	0.83
1:7X:447:GLN:HG3	2:7t:44:VAL:HG11	1.57	0.83
2:1g:273:LEU:HD13	2:3g:273:LEU:HD21	1.58	0.83
2:1h:242:LEU:HD21	2:2t:236:ALA:HA	1.57	0.83
2:2a:199:LEU:CD1	2:3f:183:PHE:CE1	2.61	0.83
2:2a:242:LEU:HA	2:3f:244:GLY:C	2.02	0.83
2:2b:234:LEU:HD21	2:3e:243:GLY:N	1.92	0.83
2:6e:247:LYS:HG3	2:8i:277:GLY:O	1.78	0.83
2:6f:111:VAL:CG2	2:7f:57:MET:HE2	2.06	0.83
2:8g:242:LEU:CD2	2:8k:246:LYS:HG2	2.02	0.83
2:1j:247:LYS:HG2	2:3j:239:THR:HG22	1.59	0.83
2:1k:263:VAL:HG11	2:3k:256:ALA:HB3	1.60	0.83
2:2e:222:LEU:HD12	2:1p:226:ILE:HG22	1.58	0.83
2:2i:148[B]:ILE:HD13	2:3o:148[B]:ILE:CD1	2.08	0.83
2:2j:246:LYS:HD3	2:1t:239:THR:O	1.77	0.83
2:2m:226:ILE:HD11	2:3t:226:ILE:CG1	2.03	0.83
2:6o:228:ALA:HA	2:7j:223:ARG:HD3	1.58	0.83
2:6q:246:LYS:HG3	2:9K:242:LEU:HD23	1.57	0.83
2:6s:243:GLY:HA2	2:7o:234:LEU:HD21	1.59	0.83
2:1v:234:LEU:HD21	2:3v:242:LEU:CB	2.08	0.83
2:1w:263:VAL:HG11	2:3w:256:ALA:HB3	1.60	0.83
2:5m:279:ILE:HG22	2:6w:248:GLY:HA3	1.61	0.83
1:6B:448:ALA:HB2	2:6g:41:TYR:HD1	1.41	0.83
1:7C:446:ALA:CB	2:7a:41:TYR:CZ	2.62	0.83
1:6Q:200:ILE:O	1:6Q:343:SER:HA	1.76	0.83
1:8M:24:ILE:O	1:8M:24:ILE:HG22	1.77	0.83
1:5X:444:GLY:CA	2:5l:44:VAL:HG22	2.09	0.83
1:7S:28:GLN:CD	2:6m:52:LEU:CD1	2.51	0.83
1:5c:199:LYS:HD2	1:5c:201:ASP:HB3	1.58	0.83
2:1g:263:VAL:HG23	2:3g:262:ALA:HB2	0.88	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:266:LEU:CD2	2:3g:265:ASP:CA	2.46	0.83
2:2a:201:VAL:HA	2:3f:197:GLN:HE21	1.42	0.83
2:2b:246:LYS:CB	2:3e:239:THR:O	2.26	0.83
2:2c:180:VAL:HG22	2:3l:183:PHE:CE2	2.14	0.83
2:2c:242:LEU:C	2:3l:234:LEU:HD21	2.03	0.83
2:6e:256:ALA:C	2:8i:259:VAL:HG12	2.03	0.83
2:6e:256:ALA:O	2:8i:263:VAL:CG2	2.25	0.83
2:6f:232:TYR:HD2	2:7f:232:TYR:CE1	1.97	0.83
2:8e:125:ILE:HG12	2:9F:120:ILE:CD1	2.09	0.83
2:8g:193:LYS:CD	2:9G:202:SER:HB3	2.09	0.83
2:5h:238:THR:O	2:7f:247:LYS:N	2.10	0.83
2:2j:222:LEU:HD12	2:1t:226:ILE:HG22	1.59	0.83
2:2k:226:ILE:HD12	2:3n:223:ARG:CA	2.07	0.83
2:2k:228:ALA:HB1	2:3n:228:ALA:HB1	0.86	0.83
2:7m:251:VAL:HG22	2:8v:270:ILE:HG23	1.59	0.83
2:8q:174:LEU:CD2	2:9H:170:LEU:CB	2.55	0.83
2:8s:219:LYS:HA	2:9I:226:ILE:HA	1.60	0.83
2:5k:278:ILE:HG23	2:6s:278:ILE:CD1	2.08	0.83
2:6q:247:LYS:HG3	2:9K:277:GLY:O	1.78	0.83
2:7r:111:VAL:CG1	2:9L:57:MET:HE2	2.07	0.83
2:7w:245:VAL:HG23	2:9R:245:VAL:CG1	2.07	0.83
1:3F:443:SER:O	2:3e:56:ASN:ND2	2.12	0.83
1:7D:445:GLY:HA2	2:7Z:45:LYS:HD2	1.61	0.83
1:1K:201:ASP:O	1:1K:202:GLU:HG2	1.78	0.83
1:6K:200:ILE:O	1:6K:343:SER:HA	1.76	0.83
1:6R:445:GLY:H	2:6m:45:LYS:CD	1.92	0.83
1:8R:444:GLY:N	2:8s:45:LYS:CD	2.38	0.83
2:1e:242:LEU:CD2	2:1l:245:VAL:CA	2.55	0.83
2:1f:234:LEU:HD21	2:3f:242:LEU:CB	2.08	0.83
2:1h:124:ASP:O	2:2t:119:SER:HA	1.78	0.83
2:1h:239:THR:O	2:2t:246:LYS:HD3	1.77	0.83
2:5e:111:VAL:HG13	2:7Z:57:MET:CE	2.08	0.83
2:6e:246:LYS:HG3	2:8i:242:LEU:HD23	1.58	0.83
2:6f:242:LEU:HD11	2:5h:236:ALA:N	1.94	0.83
2:2e:246:LYS:CE	2:1p:240:THR:O	2.25	0.83
2:2h:180:VAL:HG22	2:3p:183:PHE:CE2	2.14	0.83
2:8k:206:VAL:CG2	2:9G:212:GLY:CA	2.56	0.83
2:2k:57:MET:CE	2:3n:111:VAL:HG22	2.09	0.83
2:4j:245:VAL:N	2:3t:242:LEU:CD2	2.36	0.83
2:6m:148[B]:ILE:HD12	2:7q:148[B]:ILE:HD11	1.59	0.83
2:6o:226:ILE:CB	2:7j:222:LEU:HB2	2.08	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6o:227:GLY:C	2:7j:223:ARG:HH11	1.85	0.83
2:8q:238:THR:O	2:9H:246:LYS:CB	2.27	0.83
2:6s:226:ILE:CB	2:7o:222:LEU:HB2	2.08	0.83
2:7r:259:VAL:N	2:9L:259:VAL:CG2	2.42	0.83
2:1u:234:LEU:HD23	2:2t:242:LEU:HB2	1.58	0.83
2:6w:226:ILE:CB	2:7t:222:LEU:HB2	2.08	0.83
1:5G:202:GLU:O	1:5G:209:ALA:HB1	1.78	0.83
1:2W:392:THR:HA	2:2u:46:ASP:OD2	1.78	0.83
2:1f:247:LYS:CB	2:3f:238:THR:C	2.38	0.83
2:1f:247:LYS:HB2	2:3f:238:THR:O	1.78	0.83
2:1f:247:LYS:HG2	2:3f:239:THR:HG22	1.59	0.83
2:1g:148[B]:ILE:CD1	2:3g:148[B]:ILE:CD1	2.56	0.83
2:2Z:247:LYS:CG	2:1l:280:SER:OG	2.25	0.83
2:3g:234:LEU:CD1	2:2x:234:LEU:CD1	2.54	0.83
2:3h:222:LEU:HD13	2:2w:225:MET:HG2	1.57	0.83
2:3h:234:LEU:HD21	2:2w:242:LEU:C	2.02	0.83
2:3h:242:LEU:CD2	2:4n:245:VAL:N	2.36	0.83
2:8g:244:GLY:N	2:9G:242:LEU:HD22	1.88	0.83
2:2h:242:LEU:C	2:3p:234:LEU:HD21	2.03	0.83
2:2i:231:PRO:HG3	2:3o:229:GLY:HA2	1.59	0.83
2:1n:247:LYS:HB2	2:3n:238:THR:O	1.78	0.83
2:2k:206:VAL:CG1	2:3n:210:LEU:CD2	2.50	0.83
2:2k:226:ILE:O	2:3n:219:LYS:O	1.95	0.83
2:2m:57:MET:HE2	2:3t:111:VAL:HG22	1.61	0.83
2:8s:193:LYS:CD	2:9I:202:SER:HB3	2.09	0.83
2:8s:223:ARG:NH1	2:9I:227:GLY:CA	2.05	0.83
2:2r:226:ILE:HD11	2:3x:226:ILE:CG1	2.03	0.83
2:2s:245:VAL:HG21	2:3w:245:VAL:HG11	1.60	0.83
2:6q:256:ALA:C	2:9K:259:VAL:HG12	2.03	0.83
2:8w:125:ILE:HG12	2:9I:120:ILE:CD1	2.09	0.83
2:8y:193:LYS:CD	2:9J:202:SER:HB3	2.09	0.83
2:8y:200:LEU:HD11	2:9J:200:LEU:CD1	2.04	0.83
2:8y:222:LEU:HD13	2:9J:226:ILE:CG2	2.08	0.83
2:2u:199:LEU:CD1	2:3v:183:PHE:CE1	2.61	0.83
2:3u:246:LYS:HE2	2:4m:240:THR:O	1.76	0.83
2:9M:200:LEU:HD23	2:9J:196:LEU:HD12	1.59	0.83
2:9M:241:THR:N	2:9J:246:LYS:HE2	1.93	0.83
1:7D:446:ALA:HB1	2:7Z:41:TYR:CD2	2.09	0.83
1:4R:445:GLY:H	2:4j:44:VAL:HG22	1.43	0.83
1:2Q:110:TYR:O	1:2Q:110:TYR:CD2	2.32	0.83
1:2V:110:TYR:CD2	1:2V:110:TYR:O	2.32	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5Y:202:GLU:O	1:5Y:209:ALA:HB1	1.78	0.83
2:1h:245:VAL:CA	2:1u:242:LEU:CD2	2.56	0.83
2:3h:183:PHE:CE2	2:2w:180:VAL:HG22	2.14	0.83
2:6f:242:LEU:HD13	2:5h:235:PRO:O	1.77	0.83
2:8e:238:THR:O	2:9F:246:LYS:CB	2.27	0.83
2:9F:200:LEU:CD1	2:9O:200:LEU:HD11	2.04	0.83
2:2f:57:MET:CE	2:3j:111:VAL:HG22	2.09	0.83
2:5g:278:ILE:HG23	2:6k:278:ILE:CD1	2.08	0.83
2:6j:242:LEU:HD11	2:5j:236:ALA:N	1.93	0.83
2:1m:209:LEU:HG	2:2j:206:VAL:HG22	1.61	0.83
2:2k:199:LEU:CD1	2:3n:183:PHE:CE1	2.61	0.83
2:2l:223:ARG:NH1	2:3m:227:GLY:CA	2.37	0.83
2:8q:241:THR:N	2:9H:246:LYS:HE2	1.93	0.83
2:1q:209:LEU:HG	2:2o:206:VAL:HG22	1.61	0.83
2:2o:119:SER:HA	2:1x:124:ASP:O	1.78	0.83
2:2p:57:MET:HE2	2:3r:111:VAL:CG2	2.07	0.83
2:2q:236:ALA:H	2:3q:242:LEU:HD11	1.43	0.83
2:2r:175:PHE:CZ	2:3x:175:PHE:HZ	1.96	0.83
2:5k:267:ASN:HD21	2:6s:254:SER:CA	1.87	0.83
2:5k:279:ILE:HG22	2:6s:248:GLY:HA3	1.61	0.83
2:6q:250:ALA:CB	2:9K:280:SER:O	2.27	0.83
2:8w:238:THR:O	2:9I:246:LYS:CB	2.27	0.83
2:6u:247:LYS:HG3	2:9Q:277:GLY:O	1.78	0.83
2:7w:251:VAL:HG22	2:9R:270:ILE:HG23	1.59	0.83
1:3C:202:GLU:OE1	1:3C:343:SER:OG	1.96	0.83
1:6E:200:ILE:O	1:6E:343:SER:HA	1.76	0.83
1:8L:448:ALA:CB	2:8m:57:MET:CE	2.53	0.83
1:8P:448:ALA:HB3	2:8u:41:TYR:CE2	2.13	0.83
1:6W:202:GLU:OE1	1:6W:205:SER:CB	2.27	0.83
1:7T:28:GLN:CG	2:5l:52:LEU:HD11	2.08	0.83
1:1c:201:ASP:O	1:1c:202:GLU:HG2	1.78	0.83
2:2Z:119:SER:HA	2:1l:124:ASP:O	1.78	0.83
2:2b:214:PRO:CG	2:3e:225:MET:CG	2.53	0.83
2:2b:222:LEU:HB2	2:3e:226:ILE:HB	1.60	0.83
2:2d:234:LEU:HD21	2:3k:243:GLY:CA	2.08	0.83
2:6f:238:THR:C	2:5h:247:LYS:N	2.31	0.83
2:6g:114:ARG:HB2	2:7Z:114:ARG:HD2	1.60	0.83
2:6g:226:ILE:CB	2:7Z:222:LEU:HB2	2.08	0.83
2:7a:225:MET:HG2	2:6v:214:PRO:HG3	1.61	0.83
2:7c:245:VAL:N	2:8j:243:GLY:O	2.12	0.83
2:3i:266:LEU:HD13	2:4g:266:LEU:HD13	1.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:57:MET:HB3	2:7l:61:ALA:HB1	1.59	0.83
2:6k:226:ILE:CB	2:7e:222:LEU:HB2	2.08	0.83
2:1m:234:LEU:HD23	2:2j:242:LEU:HB2	1.58	0.83
2:6n:242:LEU:HD11	2:5l:236:ALA:N	1.94	0.83
2:7m:245:VAL:HG23	2:8v:245:VAL:CG1	2.07	0.83
2:8s:222:LEU:HB2	2:9l:226:ILE:HG22	1.50	0.83
2:8s:222:LEU:HD13	2:9l:226:ILE:CG2	2.08	0.83
2:1s:148[B]:ILE:CD1	2:3s:148[B]:ILE:CD1	2.56	0.83
2:4l:244:GLY:HA3	2:3x:242:LEU:HD13	1.60	0.83
2:5l:238:THR:O	2:7p:247:LYS:N	2.10	0.83
2:8y:219:LYS:HA	2:9J:226:ILE:HA	1.60	0.83
2:2v:234:LEU:HD23	2:3u:242:LEU:C	1.98	0.83
2:2v:246:LYS:CB	2:3u:239:THR:O	2.26	0.83
2:6w:227:GLY:C	2:7t:223:ARG:HH11	1.85	0.83
1:2B:110:TYR:CD2	1:2B:110:TYR:O	2.32	0.83
1:8A:24:ILE:O	1:8A:24:ILE:HG22	1.77	0.83
1:3I:202:GLU:OE1	1:3I:343:SER:OG	1.96	0.83
1:6Q:202:GLU:OE1	1:6Q:205:SER:CB	2.27	0.83
1:7K:448:ALA:O	2:7n:60:LEU:CD1	2.23	0.83
1:8M:447:GLN:HG2	2:8q:44:VAL:HG12	1.61	0.83
1:1X:354:VAL:HG21	1:1X:432:GLU:C	2.04	0.83
1:3U:202:GLU:OE1	1:3U:343:SER:OG	1.96	0.83
1:8X:447:GLN:O	2:8y:42:VAL:HG12	1.78	0.83
2:1h:226:ILE:CG2	2:2t:222:LEU:CD1	2.46	0.83
2:1h:228:ALA:CA	2:2t:223:ARG:CD	2.55	0.83
2:2c:199:LEU:HB3	2:3l:183:PHE:HD1	0.96	0.83
2:3g:229:GLY:HA2	2:2x:231:PRO:HG3	1.59	0.83
2:3h:200:LEU:CD2	2:2w:200:LEU:HD13	2.06	0.83
2:7a:232:TYR:CE1	2:6v:232:TYR:HD2	1.97	0.83
2:7c:273:LEU:HD21	2:8j:273:LEU:HD13	1.60	0.83
2:1i:183:PHE:CE1	2:2e:199:LEU:CD1	2.62	0.83
2:1k:259:VAL:CG2	2:3k:259:VAL:CG2	2.42	0.83
2:6l:120:ILE:HD11	2:7h:120:ILE:HD11	1.60	0.83
2:8n:242:LEU:HD22	2:7n:245:VAL:N	1.88	0.83
2:2n:246:LYS:NZ	2:3s:240:THR:O	2.12	0.83
2:3m:232:TYR:HD2	2:4i:232:TYR:CD1	1.97	0.83
2:2r:180:VAL:HG22	2:3x:183:PHE:CE2	2.14	0.83
2:3q:232:TYR:HD2	2:4k:232:TYR:CD1	1.97	0.83
2:5k:111:VAL:HG13	2:7o:57:MET:CE	2.08	0.83
2:6r:232:TYR:HD2	2:7u:232:TYR:CE1	1.96	0.83
2:1w:148[B]:ILE:CD1	2:3w:148[B]:ILE:CD1	2.56	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6w:243:GLY:HA2	2:7t:234:LEU:HD21	1.59	0.83
2:7w:273:LEU:HD21	2:9R:273:LEU:HD13	1.60	0.83
2:9M:226:ILE:HA	2:9J:219:LYS:HG2	0.83	0.83
1:5A:202:GLU:O	1:5A:209:ALA:HB1	1.78	0.83
1:3I:444:GLY:N	2:3l:45:LYS:NZ	2.27	0.83
1:1O:443:SER:OG	2:1o:45:LYS:HE3	1.78	0.83
1:3U:408:GLU:HG3	1:3U:437:ILE:HD12	1.61	0.83
1:6X:446:ALA:O	2:6q:44:VAL:CG1	2.27	0.83
1:1d:354:VAL:HG21	1:1d:432:GLU:C	2.04	0.83
1:2W:393:GLY:O	2:2u:15:ALA:HB3	1.79	0.83
1:6c:446:ALA:N	2:6v:44:VAL:HG23	1.94	0.83
2:1h:240:THR:O	2:2t:246:LYS:CE	2.25	0.83
2:2c:175:PHE:CZ	2:3l:175:PHE:HZ	1.97	0.83
2:5f:235:PRO:O	2:6v:242:LEU:HD13	1.77	0.83
2:8g:242:LEU:HD21	2:8k:246:LYS:HG3	1.61	0.83
2:4h:245:VAL:N	2:3p:242:LEU:CD2	2.36	0.83
2:8k:200:LEU:C	2:9G:193:LYS:CD	2.48	0.83
2:5i:279:ILE:HG22	2:6o:248:GLY:HA3	1.61	0.83
2:6m:256:ALA:C	2:8u:259:VAL:HG12	2.04	0.83
2:5k:111:VAL:HG13	2:7o:57:MET:HE2	1.61	0.83
2:6r:214:PRO:HG3	2:7u:225:MET:HG2	1.61	0.83
2:8w:226:ILE:HA	2:9I:219:LYS:HG2	0.83	0.83
2:5n:238:THR:O	2:7u:247:LYS:N	2.10	0.83
2:6u:256:ALA:C	2:9Q:259:VAL:HG12	2.03	0.83
2:9M:209:LEU:CD2	2:9J:209:LEU:CD2	2.52	0.83
2:9M:278:ILE:CG2	2:9J:278:ILE:HG23	2.03	0.83
1:6K:202:GLU:OE1	1:6K:205:SER:CB	2.27	0.82
1:7H:447:GLN:CA	2:7f:41:TYR:CE1	2.54	0.82
1:2K:447:GLN:O	2:2m:41:TYR:CE1	2.21	0.82
1:5X:419:ASP:CG	1:5X:425:LYS:NZ	2.34	0.82
1:7T:447:GLN:C	2:7r:41:TYR:CD1	2.57	0.82
2:3h:175:PHE:HZ	2:2w:175:PHE:CZ	1.97	0.82
2:4f:244:GLY:HA3	2:3l:242:LEU:HD13	1.60	0.82
2:2f:199:LEU:CD1	2:3j:183:PHE:CE1	2.61	0.82
2:2f:228:ALA:HB1	2:3j:228:ALA:HB1	0.86	0.82
2:3i:232:TYR:HD2	2:4g:232:TYR:CD1	1.97	0.82
2:8k:125:ILE:HG12	2:9G:120:ILE:CD1	2.09	0.82
2:8k:240:THR:CA	2:9G:246:LYS:NZ	2.40	0.82
2:2k:201:VAL:HA	2:3n:197:GLN:HE21	1.42	0.82
2:6m:255:THR:HA	2:8u:263:VAL:HG11	1.60	0.82
2:6o:225:MET:HG3	2:7j:214:PRO:CD	2.08	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:154:ALA:HB2	2:9H:158[B]:ILE:HA	1.61	0.82
2:1q:183:PHE:CE1	2:2o:199:LEU:CD1	2.62	0.82
2:1r:280:SER:OG	2:2p:247:LYS:HE2	1.78	0.82
2:2s:246:LYS:NZ	2:3w:240:THR:O	2.12	0.82
2:8y:242:LEU:HD21	2:9M:246:LYS:HG3	1.61	0.82
2:1v:247:LYS:HG2	2:3v:239:THR:HG22	1.59	0.82
2:2u:206:VAL:CG2	2:3v:209:LEU:HG	2.07	0.82
2:2v:246:LYS:CE	2:3u:240:THR:C	2.45	0.82
2:5m:111:VAL:HG13	2:7t:57:MET:CE	2.08	0.82
2:9M:125:ILE:HG12	2:9J:120:ILE:CD1	2.09	0.82
1:4L:443:SER:CA	2:4h:56:ASN:ND2	2.42	0.82
1:1T:444:GLY:O	2:1r:44:VAL:CG2	2.27	0.82
1:4W:443:SER:OG	2:4k:56:ASN:OD1	1.97	0.82
1:7P:448:ALA:O	2:7s:60:LEU:CD1	2.27	0.82
1:1c:203:PRO:HA	1:1c:209:ALA:CB	2.09	0.82
1:1d:356:PRO:HG2	1:1d:369:PHE:HD2	0.94	0.82
1:3a:408:GLU:HG3	1:3a:437:ILE:HD12	1.61	0.82
1:8Z:444:GLY:O	2:9N:53:THR:OG1	1.97	0.82
2:1g:229:GLY:N	2:3g:231:PRO:CD	2.42	0.82
2:2a:238:THR:O	2:3f:246:LYS:C	2.22	0.82
2:5e:279:ILE:HG22	2:6g:248:GLY:HA3	1.61	0.82
2:8g:200:LEU:HD11	2:9G:200:LEU:CD1	2.04	0.82
2:9F:226:ILE:HA	2:9O:219:LYS:HA	1.60	0.82
2:1k:270:ILE:HG23	2:3k:251:VAL:HG21	1.60	0.82
2:2f:206:VAL:CG1	2:3j:210:LEU:CD2	2.50	0.82
2:2g:222:LEU:HB2	2:3i:226:ILE:HB	1.60	0.82
2:2g:236:ALA:H	2:3i:242:LEU:HD11	1.43	0.82
2:2h:225:MET:HG2	2:3p:222:LEU:CD1	2.09	0.82
2:6i:255:THR:HA	2:8o:263:VAL:HG11	1.60	0.82
2:6j:232:TYR:HD2	2:7k:232:TYR:CE1	1.96	0.82
2:1m:226:ILE:O	2:1t:223:ARG:HD3	1.78	0.82
2:6m:247:LYS:HG3	2:8u:277:GLY:O	1.78	0.82
2:6m:250:ALA:CB	2:8u:280:SER:O	2.27	0.82
2:2u:57:MET:HE2	2:3v:111:VAL:CG2	2.07	0.82
2:6u:250:ALA:CB	2:9Q:280:SER:O	2.27	0.82
2:9M:226:ILE:HG22	2:9J:214:PRO:CG	2.10	0.82
1:8A:448:ALA:HB1	2:8e:57:MET:SD	2.17	0.82
1:1Q:203:PRO:HA	1:1Q:209:ALA:CB	2.10	0.82
1:2P:447:GLN:O	2:2r:41:TYR:CE1	2.32	0.82
1:2S:25:ARG:NH2	2:3q:51:ASP:OD2	2.12	0.82
1:7P:26:ASN:HA	2:6s:52:LEU:CD1	2.02	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9E:397:THR:HA	2:9J:107:LEU:HB2	1.60	0.82
2:2a:226:ILE:O	2:3f:219:LYS:O	1.95	0.82
2:6e:269:LEU:HD23	2:8i:269:LEU:HD23	1.58	0.82
2:6g:243:GLY:HA2	2:7Z:234:LEU:HD21	1.59	0.82
2:8e:240:THR:CA	2:9F:246:LYS:NZ	2.40	0.82
2:2f:57:MET:HE2	2:3j:111:VAL:CG2	2.07	0.82
2:2h:175:PHE:CZ	2:3p:175:PHE:HZ	1.96	0.82
2:2i:245:VAL:CG2	2:3o:245:VAL:HG13	2.08	0.82
2:6j:238:THR:C	2:5j:247:LYS:N	2.31	0.82
2:7h:245:VAL:HG23	2:8p:245:VAL:CG1	2.07	0.82
2:8k:226:ILE:HG22	2:9G:214:PRO:CG	2.10	0.82
2:8k:238:THR:O	2:9G:246:LYS:CB	2.27	0.82
2:8m:222:LEU:HD13	2:9H:226:ILE:CG2	2.08	0.82
2:1o:263:VAL:HG11	2:3o:256:ALA:HB3	1.60	0.82
2:2m:175:PHE:CZ	2:3t:175:PHE:HZ	1.97	0.82
2:2m:225:MET:HG2	2:3t:222:LEU:CD1	2.09	0.82
2:5i:111:VAL:HG13	2:7j:57:MET:HE2	1.61	0.82
2:2p:199:LEU:CD1	2:3r:183:PHE:CE1	2.61	0.82
2:2q:183:PHE:HZ	2:3q:196:LEU:HD22	1.45	0.82
2:8w:239:THR:C	2:9I:246:LYS:HD3	2.05	0.82
2:5m:269:LEU:CD2	2:6w:269:LEU:HD21	2.09	0.82
2:6w:226:ILE:HG21	2:7t:222:LEU:HB3	1.60	0.82
1:8L:443:SER:N	2:8m:45:LYS:NZ	2.27	0.82
1:2O:447:GLN:NE2	2:2n:44:VAL:HG11	1.94	0.82
1:7M:393:GLY:HA3	2:7k:15:ALA:HB3	1.59	0.82
1:7O:397:THR:HA	2:7m:107:LEU:HB2	1.59	0.82
1:7Q:407:ASN:HB2	2:7q:45:LYS:HG3	1.60	0.82
1:7W:446:ALA:CB	2:7u:41:TYR:HE2	1.53	0.82
2:1f:280:SER:OG	2:2a:247:LYS:HE2	1.78	0.82
2:2a:225:MET:HG2	2:3f:214:PRO:HG3	1.62	0.82
2:3h:226:ILE:CG1	2:2w:226:ILE:HD11	2.03	0.82
2:6e:250:ALA:CB	2:8i:280:SER:O	2.27	0.82
2:6g:206:VAL:HG11	2:7Z:210:LEU:CD2	2.10	0.82
2:6g:226:ILE:HG21	2:7Z:222:LEU:HB3	1.60	0.82
2:1i:209:LEU:HG	2:2e:206:VAL:HG22	1.61	0.82
2:5g:279:ILE:HG22	2:6k:248:GLY:HA3	1.61	0.82
2:6k:243:GLY:HA2	2:7e:234:LEU:HD21	1.59	0.82
2:7h:259:VAL:N	2:8p:259:VAL:CG2	2.42	0.82
2:1m:183:PHE:CE1	2:2j:199:LEU:CD1	2.62	0.82
2:1q:222:LEU:C	2:2o:226:ILE:HB	2.05	0.82
2:2s:231:PRO:HG3	2:3w:229:GLY:HA2	1.59	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3q:223:ARG:NH1	2:4k:226:ILE:O	2.12	0.82
2:6r:242:LEU:HD11	2:5n:236:ALA:N	1.94	0.82
2:3u:232:TYR:HD2	2:4m:232:TYR:CD1	1.97	0.82
2:5m:111:VAL:HG13	2:7t:57:MET:HE2	1.61	0.82
2:5m:120:ILE:HD13	2:7t:120:ILE:HG21	1.60	0.82
2:6w:150:GLU:OE1	2:7t:141:PRO:HB2	1.78	0.82
2:6w:242:LEU:HD11	2:7t:236:ALA:H	1.44	0.82
2:9M:238:THR:O	2:9J:246:LYS:CB	2.27	0.82
1:1F:354:VAL:HG21	1:1F:432:GLU:C	2.04	0.82
1:3D:443:SER:CB	2:3g:56:ASN:ND2	2.42	0.82
1:1R:354:VAL:HG21	1:1R:432:GLU:C	2.04	0.82
1:9D:392:THR:HA	2:9I:46:ASP:OD2	1.80	0.82
1:6c:202:GLU:OE1	1:6c:205:SER:CB	2.27	0.82
1:8b:445:GLY:HA2	2:9Q:45:LYS:HB2	0.88	0.82
2:1e:183:PHE:CE1	2:2Z:199:LEU:CD1	2.62	0.82
2:3g:243:GLY:CA	2:2x:234:LEU:HD21	2.08	0.82
2:4f:126:LYS:HD3	2:4f:126:LYS:O	1.80	0.82
2:5e:267:ASN:HD21	2:6g:254:SER:CA	1.87	0.82
2:6h:267:ASN:CG	2:8j:254:SER:H	1.86	0.82
2:7c:259:VAL:N	2:8j:259:VAL:CG2	2.42	0.82
2:1k:148[B]:ILE:CD1	2:3k:148[B]:ILE:CD1	2.56	0.82
2:1k:267:ASN:OD1	2:3k:254:SER:HB2	1.78	0.82
2:2g:246:LYS:CB	2:3i:239:THR:O	2.26	0.82
2:2i:244:GLY:HA3	2:3o:243:GLY:O	1.79	0.82
2:6i:256:ALA:C	2:8o:259:VAL:HG12	2.03	0.82
2:8k:154:ALA:HB2	2:9G:158[B]:ILE:HA	1.61	0.82
2:8k:241:THR:N	2:9G:246:LYS:HE2	1.93	0.82
2:8o:245:VAL:O	2:7l:242:LEU:HD23	1.80	0.82
2:1o:148[B]:ILE:CD1	2:3o:148[B]:ILE:CD1	2.56	0.82
2:2k:225:MET:HG2	2:3n:214:PRO:HG3	1.62	0.82
2:2l:246:LYS:CB	2:3m:239:THR:O	2.26	0.82
2:3m:223:ARG:NH1	2:4i:226:ILE:O	2.12	0.82
2:6n:232:TYR:HD2	2:7p:232:TYR:CE1	1.97	0.82
2:6o:226:ILE:O	2:7j:219:LYS:O	1.95	0.82
2:8q:206:VAL:CG2	2:9H:212:GLY:CA	2.56	0.82
2:1s:229:GLY:N	2:3s:231:PRO:CD	2.42	0.82
2:1s:263:VAL:HG11	2:3s:256:ALA:HB3	1.60	0.82
2:1t:126:LYS:HD3	2:1t:126:LYS:O	1.80	0.82
2:5k:259:VAL:HG22	2:6s:259:VAL:N	1.95	0.82
2:6s:226:ILE:CG2	2:7o:222:LEU:CB	2.58	0.82
2:6s:242:LEU:CD2	2:7o:236:ALA:CA	2.53	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1u:209:LEU:HG	2:2t:206:VAL:HG22	1.61	0.82
2:5m:259:VAL:CG1	2:6w:258:ASP:CA	2.58	0.82
2:6x:267:ASN:CG	2:9R:254:SER:H	1.86	0.82
1:3C:442:ALA:C	2:3h:45:LYS:NZ	2.38	0.82
1:2G:110:TYR:CD2	1:2G:110:TYR:O	2.32	0.82
1:1M:448:ALA:HB3	2:1m:63:TRP:HE1	1.45	0.82
1:1W:203:PRO:HA	1:1W:209:ALA:CB	2.09	0.82
1:8d:448:ALA:O	2:9O:60:LEU:N	2.12	0.82
2:2d:245:VAL:HG21	2:3k:245:VAL:HG11	1.60	0.82
2:3e:232:TYR:HD2	2:4e:232:TYR:CD1	1.97	0.82
2:7c:251:VAL:HG22	2:8j:270:ILE:HG23	1.59	0.82
2:8i:245:VAL:O	2:7g:242:LEU:HD23	1.80	0.82
2:1j:126:LYS:HD3	2:1j:126:LYS:O	1.80	0.82
2:1j:247:LYS:HE2	2:3j:280:SER:HG	1.40	0.82
2:2h:242:LEU:HB2	2:3p:234:LEU:CD1	2.09	0.82
2:6k:242:LEU:HD11	2:7e:236:ALA:H	1.44	0.82
2:8n:126:LYS:HD3	2:8n:126:LYS:O	1.80	0.82
2:1m:222:LEU:C	2:2j:226:ILE:HB	2.05	0.82
2:1n:228:ALA:HB1	2:3n:228:ALA:HB2	1.40	0.82
2:1o:229:GLY:N	2:3o:231:PRO:CD	2.42	0.82
2:2l:222:LEU:HB2	2:3m:226:ILE:HB	1.60	0.82
2:2l:223:ARG:CD	2:3m:227:GLY:O	2.26	0.82
2:2l:236:ALA:H	2:3m:242:LEU:HD11	1.44	0.82
2:3m:266:LEU:HD13	2:4i:266:LEU:HD13	1.61	0.82
2:8q:126:LYS:O	2:8q:126:LYS:HD3	1.80	0.82
2:8q:200:LEU:HD23	2:9H:196:LEU:HD12	1.59	0.82
2:8u:245:VAL:O	2:7q:242:LEU:HD23	1.80	0.82
2:2p:201:VAL:HA	2:3r:197:GLN:HE21	1.42	0.82
2:2q:223:ARG:CD	2:3q:227:GLY:O	2.26	0.82
2:8w:154:ALA:HB2	2:9I:158[B]:ILE:HA	1.61	0.82
2:8w:200:LEU:C	2:9I:193:LYS:CD	2.49	0.82
2:1w:229:GLY:N	2:3w:231:PRO:CD	2.42	0.82
2:2v:222:LEU:HB2	2:3u:226:ILE:HB	1.60	0.82
1:5J:208:GLY:O	1:5J:212:GLU:HG3	1.80	0.82
1:6H:443:SER:HA	2:6k:56:ASN:HD21	1.44	0.82
1:3O:447:GLN:CG	2:3p:44:VAL:HG22	2.08	0.82
1:4S:200:ILE:HD12	1:4S:213:PHE:HD1	1.44	0.82
1:5X:444:GLY:HA2	2:5l:44:VAL:HG22	1.59	0.82
1:4Y:200:ILE:HD12	1:4Y:213:PHE:HD1	1.44	0.82
1:7W:446:ALA:O	2:7u:55:VAL:HA	1.80	0.82
1:8Y:448:ALA:CB	2:9M:57:MET:SD	2.63	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:279:ILE:HG22	2:3g:272:VAL:HG12	1.32	0.82
2:2d:148[B]:ILE:HD13	2:3k:148[B]:ILE:CD1	2.08	0.82
2:2d:231:PRO:HG3	2:3k:229:GLY:HA2	1.59	0.82
2:5e:259:VAL:HG22	2:6g:259:VAL:N	1.95	0.82
2:5e:278:ILE:HG23	2:6g:278:ILE:CD1	2.08	0.82
2:6f:214:PRO:HG3	2:7f:225:MET:HG2	1.61	0.82
2:8e:200:LEU:HD23	2:9F:196:LEU:HD12	1.59	0.82
2:9F:226:ILE:HG22	2:9O:222:LEU:HB2	1.50	0.82
2:2f:226:ILE:O	2:3j:219:LYS:O	1.96	0.82
2:2g:183:PHE:HZ	2:3i:196:LEU:HD22	1.44	0.82
2:6j:200:LEU:CD2	2:5j:200:LEU:HD11	2.10	0.82
2:7h:273:LEU:HD21	2:8p:273:LEU:HD13	1.60	0.82
2:1m:210:LEU:HD22	2:2j:201:VAL:CG2	2.10	0.82
2:1o:269:LEU:CD2	2:3o:269:LEU:CD2	2.57	0.82
2:2n:148[B]:ILE:HD13	2:3s:148[B]:ILE:CD1	2.08	0.82
2:5i:120:ILE:HD13	2:7j:120:ILE:HG21	1.60	0.82
2:1q:200:LEU:HD13	2:2o:200:LEU:CD1	2.10	0.82
2:2r:57:MET:HE2	2:3x:111:VAL:HG22	1.60	0.82
2:2r:242:LEU:HB2	2:3x:234:LEU:CD1	2.09	0.82
2:4l:244:GLY:HA3	2:3x:242:LEU:CD1	2.10	0.82
2:5l:126:LYS:HD3	2:5l:126:LYS:O	1.80	0.82
2:6r:242:LEU:CD1	2:5n:236:ALA:N	2.43	0.82
2:9K:245:VAL:O	2:7v:242:LEU:HD23	1.80	0.82
2:3w:126:LYS:O	2:3w:126:LYS:HD3	1.80	0.82
2:4n:126:LYS:O	2:4n:126:LYS:HD3	1.80	0.82
1:5F:444:GLY:HA2	2:5f:44:VAL:CG2	2.02	0.82
1:9C:394:THR:HA	2:9H:16:TYR:HE1	1.43	0.82
1:1T:445:GLY:HA2	2:1r:45:LYS:HG2	1.62	0.82
1:8S:392:THR:CG2	2:8w:107:LEU:HG	2.09	0.82
1:8V:447:GLN:CD	2:9K:44:VAL:HG21	2.04	0.82
1:5c:445:GLY:HA2	2:5m:44:VAL:CB	2.08	0.82
2:1e:98:ALA:HA	2:1e:110:LEU:HB3	0.84	0.82
2:1e:210:LEU:HD22	2:2Z:201:VAL:CG2	2.10	0.82
2:1g:270:ILE:HG12	2:3g:251:VAL:HG21	1.61	0.82
2:3h:222:LEU:CD1	2:2w:225:MET:HG2	2.10	0.82
2:1i:222:LEU:C	2:2e:226:ILE:HB	2.05	0.82
2:2h:28:ILE:CD1	2:3p:99:VAL:HG12	2.10	0.82
2:2h:199:LEU:HB3	2:3p:183:PHE:HD1	0.96	0.82
2:3i:126:LYS:HD3	2:3i:126:LYS:O	1.80	0.82
2:5g:259:VAL:HG22	2:6k:259:VAL:N	1.94	0.82
2:5h:126:LYS:HD3	2:5h:126:LYS:O	1.80	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:126:LYS:HD3	2:6i:126:LYS:O	1.80	0.82
2:6i:250:ALA:CB	2:8o:280:SER:O	2.27	0.82
2:8m:193:LYS:CD	2:9H:202:SER:HB3	2.09	0.82
2:1o:259:VAL:CG2	2:3o:259:VAL:CG2	2.42	0.82
2:6o:226:ILE:CG2	2:7j:222:LEU:CB	2.58	0.82
2:8q:239:THR:C	2:9H:246:LYS:HD3	2.05	0.82
2:8q:240:THR:CA	2:9H:246:LYS:NZ	2.40	0.82
2:1r:247:LYS:HE2	2:3r:280:SER:HG	1.42	0.82
2:2r:225:MET:HG2	2:3x:222:LEU:CD1	2.09	0.82
2:1u:222:LEU:C	2:2t:226:ILE:HB	2.05	0.82
2:2v:57:MET:CE	2:4m:111:VAL:CG2	2.58	0.82
2:3u:126:LYS:HD3	2:3u:126:LYS:O	1.80	0.82
1:5D:208:GLY:O	1:5D:212:GLU:HG3	1.80	0.82
1:5K:447:GLN:HG3	2:5g:44:VAL:HG21	1.59	0.82
1:8R:202:GLU:O	1:8R:209:ALA:CB	2.28	0.82
1:6S:447:GLN:OE1	2:6t:56:ASN:O	1.98	0.82
1:9D:406:GLY:CA	2:9I:45:LYS:HE2	2.09	0.82
1:6Z:448:ALA:HB3	2:6w:41:TYR:HE1	1.41	0.82
1:7W:392:THR:CB	2:7u:14:MET:HE3	2.08	0.82
1:8Y:392:THR:HG22	2:9M:107:LEU:CD1	2.05	0.82
2:1e:247:LYS:N	2:2Z:239:THR:O	2.11	0.82
2:1g:269:LEU:CD2	2:3g:269:LEU:CD2	2.57	0.82
2:2c:120:ILE:CD1	2:3l:120:ILE:HD11	2.10	0.82
2:2c:225:MET:HG2	2:3l:222:LEU:CD1	2.09	0.82
2:3g:279:ILE:CG2	2:2x:273:LEU:CD2	2.58	0.82
2:5f:236:ALA:N	2:6v:242:LEU:HD11	1.94	0.82
2:6g:150:GLU:OE1	2:7Z:141:PRO:HB2	1.78	0.82
2:8e:126:LYS:O	2:8e:126:LYS:HD3	1.80	0.82
2:8e:226:ILE:HA	2:9F:219:LYS:HG2	0.83	0.82
2:8e:241:THR:N	2:9F:246:LYS:HE2	1.93	0.82
2:2i:273:LEU:CD2	2:3o:279:ILE:CG2	2.57	0.82
2:1o:279:ILE:HG21	2:3o:272:VAL:HG11	1.35	0.82
2:2n:273:LEU:CD2	2:3s:279:ILE:CG2	2.58	0.82
2:6n:200:LEU:CD2	2:5l:200:LEU:HD11	2.10	0.82
2:6n:242:LEU:CD1	2:5l:236:ALA:N	2.43	0.82
2:7l:41:TYR:CE1	2:7l:55:VAL:HG13	2.15	0.82
2:7n:41:TYR:CE1	2:7n:55:VAL:HG13	2.15	0.82
2:1q:223:ARG:HA	2:2o:226:ILE:HD12	1.62	0.82
2:1r:247:LYS:HB2	2:3r:238:THR:O	1.78	0.82
2:2r:28:ILE:CD1	2:3x:99:VAL:HG12	2.10	0.82
2:4l:126:LYS:HD3	2:4l:126:LYS:O	1.80	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1u:183:PHE:CE1	2:2t:199:LEU:CD1	2.62	0.82
2:2v:236:ALA:H	2:3u:242:LEU:HD11	1.43	0.82
2:6u:255:THR:HA	2:9Q:263:VAL:HG11	1.60	0.82
2:6w:206:VAL:HG11	2:7t:210:LEU:CD2	2.10	0.82
2:7w:245:VAL:N	2:9R:243:GLY:O	2.12	0.82
2:7w:259:VAL:N	2:9R:259:VAL:CG2	2.42	0.82
1:1K:203:PRO:HA	1:1K:209:ALA:CB	2.09	0.82
1:8L:448:ALA:HB2	2:8m:41:TYR:CE2	2.15	0.82
1:2L:110:TYR:CD2	1:2L:110:TYR:O	2.32	0.82
1:5d:446:ALA:HA	2:5n:56:ASN:N	1.93	0.82
1:8Y:448:ALA:HB1	2:9M:57:MET:HE1	1.62	0.82
2:2c:242:LEU:HD11	2:3l:236:ALA:N	1.95	0.82
2:2d:273:LEU:CD2	2:3k:279:ILE:CG2	2.58	0.82
2:3h:120:ILE:HD11	2:2w:120:ILE:CD1	2.10	0.82
2:3h:236:ALA:N	2:2w:242:LEU:HD11	1.95	0.82
2:6f:242:LEU:CD1	2:5h:236:ALA:N	2.43	0.82
2:7b:242:LEU:HD23	2:9Q:245:VAL:O	1.80	0.82
2:2f:227:GLY:O	2:3j:230:VAL:HG12	1.80	0.82
2:2g:222:LEU:CB	2:3i:226:ILE:CG2	2.58	0.82
2:2h:57:MET:HE2	2:3p:111:VAL:HG22	1.61	0.82
2:6j:242:LEU:CD1	2:5j:236:ALA:N	2.43	0.82
2:6l:267:ASN:CG	2:8p:254:SER:H	1.86	0.82
2:7f:41:TYR:CE1	2:7f:55:VAL:HG13	2.15	0.82
2:8k:239:THR:C	2:9G:246:LYS:HD3	2.05	0.82
2:1p:126:LYS:HD3	2:1p:126:LYS:O	1.80	0.82
2:2k:227:GLY:O	2:3n:230:VAL:HG12	1.79	0.82
2:2k:238:THR:O	2:3n:246:LYS:C	2.22	0.82
2:6n:214:PRO:HG3	2:7p:225:MET:HG2	1.61	0.82
2:7m:245:VAL:N	2:8v:243:GLY:O	2.12	0.82
2:7m:273:LEU:HD21	2:8v:273:LEU:HD13	1.60	0.82
2:8q:226:ILE:HA	2:9H:219:LYS:HG2	0.83	0.82
2:8q:226:ILE:HG22	2:9H:214:PRO:CG	2.09	0.82
2:1q:210:LEU:HD22	2:2o:201:VAL:CG2	2.10	0.82
2:1s:270:ILE:HG23	2:3s:251:VAL:HG21	1.60	0.82
2:2p:227:GLY:O	2:3r:230:VAL:HG12	1.80	0.82
2:3s:126:LYS:HD3	2:3s:126:LYS:O	1.80	0.82
2:6r:246:LYS:HD3	2:7u:240:THR:HA	1.62	0.82
2:8w:270:ILE:CB	2:9I:269:LEU:HD13	2.06	0.82
2:3u:266:LEU:HD13	2:4m:266:LEU:HD13	1.61	0.82
2:6u:269:LEU:HD23	2:9Q:269:LEU:HD23	1.59	0.82
2:9M:239:THR:C	2:9J:246:LYS:HD3	2.05	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:270:ILE:CB	2:9J:269:LEU:HD13	2.06	0.82
1:3C:408:GLU:HG3	1:3C:437:ILE:HD12	1.60	0.81
1:8C:444:GLY:O	2:8j:44:VAL:HG23	1.80	0.81
1:8F:202:GLU:O	1:8F:209:ALA:CB	2.28	0.81
1:1Y:407:ASN:ND2	2:1u:44:VAL:O	2.13	0.81
1:5b:208:GLY:O	1:5b:212:GLU:HG3	1.80	0.81
1:7U:448:ALA:O	2:7x:60:LEU:HB2	1.79	0.81
1:8Y:24:ILE:O	1:8Y:24:ILE:HG22	1.77	0.81
2:1h:114:ARG:HB2	2:2t:114:ARG:HD2	1.62	0.81
2:3g:126:LYS:HD3	2:3g:126:LYS:O	1.80	0.81
2:3h:242:LEU:CD1	2:4n:244:GLY:HA3	2.10	0.81
2:4f:244:GLY:HA3	2:3l:242:LEU:CD1	2.10	0.81
2:4f:245:VAL:N	2:3l:242:LEU:CD2	2.36	0.81
2:5f:126:LYS:HD3	2:5f:126:LYS:O	1.80	0.81
2:6f:246:LYS:HD3	2:7f:240:THR:HA	1.62	0.81
2:8e:239:THR:C	2:9F:246:LYS:HD3	2.05	0.81
2:9F:280:SER:OG	2:9O:247:LYS:HG2	1.80	0.81
2:2h:241:THR:HG23	2:3p:234:LEU:HD23	1.62	0.81
2:8m:247:LYS:HG2	2:9H:280:SER:OG	1.80	0.81
2:1m:247:LYS:N	2:2j:239:THR:O	2.11	0.81
2:2m:180:VAL:HG22	2:3t:183:PHE:CE2	2.14	0.81
2:5i:269:LEU:CD2	2:6o:269:LEU:HD21	2.09	0.81
2:6m:126:LYS:HD3	2:6m:126:LYS:O	1.80	0.81
2:7j:41:TYR:CE1	2:7j:55:VAL:HG13	2.15	0.81
2:8t:126:LYS:HD3	2:8t:126:LYS:O	1.80	0.81
2:2q:222:LEU:HB2	2:3q:226:ILE:HB	1.60	0.81
2:2s:148[B]:ILE:HD13	2:3w:148[B]:ILE:CD1	2.08	0.81
2:2s:273:LEU:CD2	2:3w:279:ILE:CG2	2.57	0.81
2:5k:259:VAL:CG1	2:6s:258:ASP:CA	2.58	0.81
2:8w:126:LYS:HD3	2:8w:126:LYS:O	1.80	0.81
2:1v:247:LYS:HB2	2:3v:238:THR:O	1.78	0.81
2:1w:270:ILE:HG12	2:3w:251:VAL:HG21	1.61	0.81
2:2w:41:TYR:CE1	2:2w:55:VAL:HG13	2.15	0.81
2:5m:259:VAL:HG22	2:6w:259:VAL:N	1.95	0.81
1:1E:203:PRO:HA	1:1E:209:ALA:CB	2.10	0.81
1:7G:444:GLY:N	2:7g:45:LYS:NZ	2.28	0.81
1:3O:447:GLN:HG2	2:3p:44:VAL:HG23	1.61	0.81
2:1e:209:LEU:HG	2:2Z:206:VAL:HG22	1.61	0.81
2:2a:57:MET:CE	2:3f:111:VAL:HG22	2.09	0.81
2:2c:41:TYR:CE1	2:2c:55:VAL:HG13	2.15	0.81
2:2c:200:LEU:HD13	2:3l:200:LEU:CD2	2.05	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:244:GLY:HA3	2:3k:243:GLY:O	1.79	0.81
2:3g:148[B]:ILE:CD1	2:2x:148[B]:ILE:HD13	2.08	0.81
2:3g:240:THR:O	2:2x:246:LYS:NZ	2.12	0.81
2:5f:238:THR:O	2:7a:247:LYS:N	2.10	0.81
2:9F:202:SER:HB3	2:9O:193:LYS:CD	2.09	0.81
2:1k:229:GLY:N	2:3k:231:PRO:CD	2.42	0.81
2:1k:269:LEU:CD2	2:3k:269:LEU:CD2	2.57	0.81
2:2g:246:LYS:CB	2:3i:239:THR:C	2.52	0.81
2:2i:41:TYR:CE1	2:2i:55:VAL:HG13	2.15	0.81
2:6j:246:LYS:HD3	2:7k:240:THR:HA	1.62	0.81
2:6k:226:ILE:CG2	2:7e:222:LEU:CB	2.58	0.81
2:7h:245:VAL:N	2:8p:243:GLY:O	2.12	0.81
2:8k:226:ILE:HA	2:9G:219:LYS:HG2	0.83	0.81
2:8p:126:LYS:O	2:8p:126:LYS:HD3	1.80	0.81
2:2j:246:LYS:HE2	2:1t:240:THR:C	2.05	0.81
2:2l:222:LEU:CB	2:3m:226:ILE:CG2	2.58	0.81
2:2l:246:LYS:CB	2:3m:239:THR:C	2.52	0.81
2:2n:245:VAL:HG21	2:3s:245:VAL:HG11	1.60	0.81
2:5j:126:LYS:HD3	2:5j:126:LYS:O	1.80	0.81
2:6m:254:SER:O	2:8u:263:VAL:HG12	1.80	0.81
2:6o:126:LYS:O	2:6o:126:LYS:HD3	1.80	0.81
2:8q:125:ILE:HG12	2:9H:120:ILE:CD1	2.09	0.81
2:1q:98:ALA:HA	2:1q:110:LEU:HB3	0.84	0.81
2:2r:41:TYR:CE1	2:2r:55:VAL:HG13	2.15	0.81
2:6t:267:ASN:CG	2:9L:254:SER:H	1.86	0.81
2:7r:245:VAL:HG23	2:9L:245:VAL:CG1	2.07	0.81
2:7r:245:VAL:N	2:9L:243:GLY:O	2.12	0.81
2:8y:247:LYS:HG2	2:9J:280:SER:OG	1.80	0.81
2:8y:279:ILE:HD13	2:9M:251:VAL:HG13	1.61	0.81
2:8z:126:LYS:O	2:8z:126:LYS:HD3	1.80	0.81
2:1w:279:ILE:HG22	2:3w:272:VAL:HG12	1.32	0.81
2:2t:41:TYR:CE1	2:2t:55:VAL:HG13	2.15	0.81
2:2u:227:GLY:O	2:3v:230:VAL:HG12	1.79	0.81
2:7v:41:TYR:CE1	2:7v:55:VAL:HG13	2.15	0.81
2:9M:200:LEU:CD2	2:9J:196:LEU:HB3	2.03	0.81
1:3C:202:GLU:CB	1:3C:343:SER:CB	2.53	0.81
1:6E:202:GLU:OE1	1:6E:205:SER:CB	2.27	0.81
1:7B:392:THR:HA	2:7b:46:ASP:OD2	1.80	0.81
1:1L:354:VAL:HG21	1:1L:432:GLU:C	2.04	0.81
1:2I:443:SER:O	2:2e:45:LYS:CE	2.29	0.81
1:3O:444:GLY:O	2:3p:45:LYS:HG3	1.81	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6M:443:SER:N	2:6p:45:LYS:NZ	2.28	0.81
1:7O:448:ALA:CB	2:7m:60:LEU:HD12	2.11	0.81
1:7T:28:GLN:CG	2:5l:52:LEU:CD1	2.57	0.81
1:2W:25:ARG:NH2	2:4n:51:ASP:OD2	2.14	0.81
1:3a:447:GLN:HE21	2:3x:44:VAL:HG21	1.45	0.81
1:8Z:448:ALA:CB	2:9N:57:MET:HE1	2.05	0.81
1:8b:447:GLN:HG2	2:9Q:44:VAL:HG23	1.61	0.81
1:8d:202:GLU:O	1:8d:209:ALA:CB	2.28	0.81
2:1e:222:LEU:C	2:2Z:226:ILE:HB	2.05	0.81
2:1f:126:LYS:HD3	2:1f:126:LYS:O	1.80	0.81
2:1g:245:VAL:HG11	2:3g:245:VAL:CG2	2.11	0.81
2:1h:126:LYS:HD3	2:1h:126:LYS:O	1.80	0.81
2:2Z:114:ARG:HD2	2:1l:114:ARG:HB2	1.62	0.81
2:2Z:244:GLY:HA3	2:1l:243:GLY:H	1.42	0.81
2:2c:57:MET:HE2	2:3l:111:VAL:HG22	1.61	0.81
2:3g:245:VAL:HG11	2:2x:245:VAL:HG21	1.60	0.81
2:3h:111:VAL:HG22	2:2w:57:MET:HE2	1.60	0.81
2:5e:277:GLY:CA	2:6g:247:LYS:HE3	2.11	0.81
2:5f:200:LEU:HD11	2:6v:200:LEU:CD2	2.10	0.81
2:5f:236:ALA:N	2:6v:242:LEU:CD1	2.43	0.81
2:6e:254:SER:O	2:8i:263:VAL:HG12	1.80	0.81
2:1i:200:LEU:HD13	2:2e:200:LEU:CD1	2.10	0.81
2:2g:41:TYR:CE1	2:2g:55:VAL:HG13	2.15	0.81
2:2g:57:MET:CE	2:4g:111:VAL:CG2	2.58	0.81
2:4h:126:LYS:HD3	2:4h:126:LYS:O	1.80	0.81
2:5g:111:VAL:HG13	2:7e:57:MET:HE2	1.61	0.81
2:6i:251:VAL:O	2:8o:270:ILE:CG2	2.29	0.81
2:6i:256:ALA:C	2:8o:263:VAL:CG2	2.51	0.81
2:6j:214:PRO:HG3	2:7k:225:MET:HG2	1.61	0.81
2:8o:98:ALA:HA	2:8o:110:LEU:HB3	0.84	0.81
2:1n:126:LYS:HD3	2:1n:126:LYS:O	1.80	0.81
2:2l:196:LEU:HB3	2:3m:200:LEU:CD2	2.10	0.81
2:2m:28:ILE:CD1	2:3t:99:VAL:HG12	2.10	0.81
2:2m:200:LEU:HD13	2:3t:200:LEU:CD2	2.06	0.81
2:2n:41:TYR:CE1	2:2n:55:VAL:HG13	2.15	0.81
2:4j:126:LYS:HD3	2:4j:126:LYS:O	1.80	0.81
2:4j:244:GLY:HA3	2:3t:242:LEU:HD13	1.60	0.81
2:5j:238:THR:O	2:7k:247:LYS:N	2.10	0.81
2:6n:240:THR:O	2:5l:246:LYS:CE	2.29	0.81
2:6o:242:LEU:HD11	2:7j:236:ALA:H	1.44	0.81
2:7m:41:TYR:CE1	2:7m:55:VAL:HG13	2.15	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7m:251:VAL:HG13	2:8v:279:ILE:CD1	1.95	0.81
2:7m:259:VAL:N	2:8v:259:VAL:CG2	2.42	0.81
2:8q:200:LEU:C	2:9H:193:LYS:CD	2.49	0.81
2:8q:278:ILE:HG23	2:9H:278:ILE:CG2	2.06	0.81
2:8s:247:LYS:HG2	2:9I:280:SER:OG	1.80	0.81
2:1q:247:LYS:N	2:2o:239:THR:O	2.11	0.81
2:2o:41:TYR:CE1	2:2o:55:VAL:HG13	2.15	0.81
2:2p:239:THR:HG22	2:3r:247:LYS:CA	2.00	0.81
2:2q:222:LEU:CB	2:3q:226:ILE:CG2	2.58	0.81
2:3q:266:LEU:HD13	2:4k:266:LEU:HD13	1.61	0.81
2:5k:120:ILE:HD13	2:7o:120:ILE:HG21	1.60	0.81
2:6q:255:THR:HA	2:9K:263:VAL:HG11	1.60	0.81
2:6r:200:LEU:HD13	2:5n:200:LEU:HD13	1.63	0.81
2:6r:239:THR:N	2:5n:247:LYS:CB	2.44	0.81
2:6s:226:ILE:HG21	2:7o:222:LEU:HB3	1.60	0.81
2:7r:258:ASP:O	2:9L:259:VAL:CG1	2.29	0.81
2:1u:247:LYS:N	2:2t:239:THR:O	2.11	0.81
2:1w:267:ASN:OD1	2:3w:254:SER:HB2	1.78	0.81
2:2u:238:THR:O	2:3v:246:LYS:C	2.22	0.81
2:2u:239:THR:CG2	2:3v:247:LYS:CG	2.55	0.81
2:2v:244:GLY:O	2:3u:242:LEU:CD2	2.29	0.81
2:2x:41:TYR:CE1	2:2x:55:VAL:HG13	2.15	0.81
2:7u:41:TYR:CE1	2:7u:55:VAL:HG13	2.15	0.81
2:9M:8:ARG:HG2	2:9M:8:ARG:O	1.81	0.81
2:9J:41:TYR:CE1	2:9J:55:VAL:HG13	2.15	0.81
1:1J:448:ALA:O	2:1l:57:MET:SD	2.39	0.81
1:3I:444:GLY:C	2:3l:45:LYS:HD2	2.05	0.81
1:3R:448:ALA:HB2	2:3m:57:MET:SD	2.19	0.81
1:5P:208:GLY:O	1:5P:212:GLU:HG3	1.80	0.81
1:2P:444:GLY:HA3	2:2r:45:LYS:HE3	1.62	0.81
1:5V:208:GLY:O	1:5V:212:GLU:HG3	1.80	0.81
1:3a:202:GLU:CB	1:3a:343:SER:CB	2.53	0.81
2:2b:41:TYR:CE1	2:2b:55:VAL:HG13	2.15	0.81
2:2b:246:LYS:CB	2:3e:239:THR:C	2.52	0.81
2:3h:234:LEU:HD23	2:2w:241:THR:HG23	1.62	0.81
2:5e:111:VAL:HG13	2:7Z:57:MET:HE2	1.61	0.81
2:8h:226:ILE:CD1	2:7i:226:ILE:CD1	2.58	0.81
2:2e:41:TYR:CE1	2:2e:55:VAL:HG13	2.15	0.81
2:2f:238:THR:O	2:3j:246:LYS:C	2.22	0.81
2:3l:116:LYS:O	2:3l:118:ILE:CD1	2.29	0.81
2:4h:244:GLY:HA3	2:3p:242:LEU:CD1	2.10	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:245:VAL:CA	2:7j:242:LEU:HD22	2.11	0.81
2:6o:243:GLY:H	2:7j:244:GLY:HA3	1.42	0.81
2:7k:41:TYR:CE1	2:7k:55:VAL:HG13	2.15	0.81
2:8t:226:ILE:CD1	2:7s:226:ILE:CD1	2.59	0.81
2:1q:238:THR:C	2:1x:247:LYS:HB3	2.06	0.81
2:1r:8:ARG:HG2	2:1r:8:ARG:O	1.81	0.81
2:1r:119:SER:HB3	2:3r:126:LYS:CG	2.10	0.81
2:4k:98:ALA:HA	2:4k:110:LEU:HB3	0.84	0.81
2:5l:8:ARG:HG2	2:5l:8:ARG:O	1.81	0.81
2:6s:242:LEU:HD11	2:7o:236:ALA:H	1.44	0.81
2:7o:41:TYR:CE1	2:7o:55:VAL:HG13	2.15	0.81
2:8w:200:LEU:HD23	2:9I:196:LEU:HD12	1.59	0.81
2:1u:116:LYS:O	2:1u:118:ILE:CD1	2.29	0.81
2:1v:119:SER:HB3	2:3v:126:LYS:CG	2.10	0.81
2:1w:98:ALA:HA	2:1w:110:LEU:HB3	0.84	0.81
2:2u:225:MET:HG2	2:3v:214:PRO:HG3	1.62	0.81
2:6w:226:ILE:CG2	2:7t:222:LEU:CB	2.58	0.81
2:7t:41:TYR:CE1	2:7t:55:VAL:HG13	2.15	0.81
2:7x:41:TYR:CE1	2:7x:55:VAL:HG13	2.15	0.81
1:5L:419:ASP:CG	1:5L:425:LYS:NZ	2.34	0.81
1:5R:447:GLN:CG	2:5j:44:VAL:HG12	2.10	0.81
1:1S:448:ALA:HB3	2:1q:63:TRP:HE1	1.45	0.81
1:7Y:25:ARG:HH22	2:5n:51:ASP:CG	1.89	0.81
2:1g:259:VAL:CG2	2:3g:259:VAL:CG2	2.42	0.81
2:2a:41:TYR:CE1	2:2a:55:VAL:HG13	2.15	0.81
2:4e:116:LYS:O	2:4e:118:ILE:CD1	2.29	0.81
2:5e:269:LEU:CD2	2:6g:269:LEU:HD21	2.09	0.81
2:6e:57:MET:HB3	2:7g:61:ALA:HB1	1.59	0.81
2:6g:240:THR:HA	2:7Z:246:LYS:CD	2.10	0.81
2:7c:41:TYR:CE1	2:7c:55:VAL:HG13	2.15	0.81
2:7d:244:GLY:CA	2:9P:242:LEU:CD2	2.49	0.81
2:8e:226:ILE:HG22	2:9F:214:PRO:CG	2.10	0.81
2:8e:251:VAL:HG13	2:9O:279:ILE:HD13	1.61	0.81
2:8h:126:LYS:HD3	2:8h:126:LYS:O	1.80	0.81
2:9F:41:TYR:CE1	2:9F:55:VAL:HG13	2.15	0.81
2:1k:116:LYS:O	2:1k:118:ILE:CD1	2.29	0.81
2:3j:97:TYR:O	2:3j:110:LEU:CB	2.22	0.81
2:4h:244:GLY:HA3	2:3p:242:LEU:HD13	1.60	0.81
2:6j:240:THR:O	2:5j:246:LYS:CE	2.29	0.81
2:7h:97:TYR:HH	2:8p:41:TYR:HH	1.16	0.81
2:8n:8:ARG:HG2	2:8n:8:ARG:O	1.81	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2j:223:ARG:CD	2:1t:228:ALA:CA	2.55	0.81
2:2k:41:TYR:CE1	2:2k:55:VAL:HG13	2.15	0.81
2:2l:41:TYR:CE1	2:2l:55:VAL:HG13	2.15	0.81
2:6n:246:LYS:HD3	2:7p:240:THR:HA	1.62	0.81
2:1s:266:LEU:HD21	2:3s:266:LEU:N	1.60	0.81
2:2q:41:TYR:CE1	2:2q:55:VAL:HG13	2.15	0.81
2:2q:244:GLY:O	2:3q:242:LEU:CD2	2.29	0.81
2:2q:246:LYS:CB	2:3q:239:THR:O	2.26	0.81
2:2q:246:LYS:CB	2:3q:239:THR:C	2.52	0.81
2:2r:120:ILE:CD1	2:3x:120:ILE:HD11	2.10	0.81
2:3t:116:LYS:O	2:3t:118:ILE:CD1	2.29	0.81
2:6r:116:LYS:O	2:6r:118:ILE:CD1	2.29	0.81
2:6s:226:ILE:HB	2:7o:222:LEU:CB	2.11	0.81
2:8w:226:ILE:HG22	2:9l:214:PRO:CG	2.10	0.81
2:1v:126:LYS:O	2:1v:126:LYS:HD3	1.80	0.81
2:2u:201:VAL:HA	2:3v:197:GLN:HE21	1.42	0.81
2:5n:126:LYS:O	2:5n:126:LYS:HD3	1.80	0.81
2:6w:126:LYS:HD3	2:6w:126:LYS:O	1.80	0.81
1:2A:28:GLN:NE2	2:1l:27:ILE:HD11	1.89	0.81
1:1I:444:GLY:CA	2:1k:45:LYS:CE	2.58	0.81
1:1K:212:GLU:OE2	1:1L:374:ARG:HD3	1.81	0.81
1:8J:445:GLY:O	2:8o:44:VAL:N	2.12	0.81
1:7R:392:THR:HG21	2:7p:14:MET:HE3	1.62	0.81
2:2c:242:LEU:HB2	2:3l:234:LEU:CD1	2.09	0.81
2:3f:97:TYR:O	2:3f:110:LEU:CB	2.22	0.81
2:3h:234:LEU:CD1	2:2w:242:LEU:HB2	2.09	0.81
2:5f:246:LYS:CE	2:6v:240:THR:O	2.28	0.81
2:7a:279:ILE:CG2	2:6v:273:LEU:HD21	2.11	0.81
2:7b:41:TYR:CE1	2:7b:55:VAL:HG13	2.15	0.81
2:1l:8:ARG:O	2:1l:8:ARG:HG2	1.81	0.81
2:2h:120:ILE:CD1	2:3p:120:ILE:HD11	2.10	0.81
2:3i:223:ARG:NH1	2:4g:226:ILE:O	2.12	0.81
2:4h:8:ARG:HG2	2:4h:8:ARG:O	1.81	0.81
2:5g:277:GLY:CA	2:6k:247:LYS:HE3	2.11	0.81
2:6j:116:LYS:O	2:6j:118:ILE:CD1	2.29	0.81
2:8l:116:LYS:O	2:8l:118:ILE:CD1	2.29	0.81
2:1m:116:LYS:O	2:1m:118:ILE:CD1	2.29	0.81
2:1o:266:LEU:CD1	2:3o:266:LEU:N	2.44	0.81
2:2j:183:PHE:CZ	2:1t:196:LEU:HD22	2.15	0.81
2:2m:41:TYR:CE1	2:2m:55:VAL:HG13	2.15	0.81
2:2m:242:LEU:HD11	2:3t:236:ALA:N	1.95	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3m:8:ARG:O	2:3m:8:ARG:HG2	1.81	0.81
2:3n:116:LYS:O	2:3n:118:ILE:CD1	2.29	0.81
2:4j:244:GLY:HA3	2:3t:242:LEU:CD1	2.10	0.81
2:6p:267:ASN:CG	2:8v:254:SER:H	1.86	0.81
2:1s:270:ILE:HG12	2:3s:251:VAL:HG21	1.61	0.81
2:2r:200:LEU:HD13	2:3x:200:LEU:CD2	2.05	0.81
2:2r:228:ALA:HB2	2:3x:223:ARG:CA	2.11	0.81
2:2r:242:LEU:HD11	2:3x:236:ALA:N	1.95	0.81
2:3q:126:LYS:HD3	2:3q:126:LYS:O	1.80	0.81
2:6q:251:VAL:O	2:9K:270:ILE:CG2	2.29	0.81
2:6q:256:ALA:C	2:9K:263:VAL:CG2	2.51	0.81
2:9I:41:TYR:CE1	2:9I:55:VAL:HG13	2.15	0.81
2:1u:226:ILE:HG12	2:2t:226:ILE:HD12	1.63	0.81
2:2v:183:PHE:HZ	2:3u:196:LEU:HD22	1.45	0.81
2:2v:222:LEU:CB	2:3u:226:ILE:HG21	2.10	0.81
2:2v:223:ARG:CD	2:3u:227:GLY:C	2.46	0.81
2:6u:256:ALA:C	2:9Q:263:VAL:CG2	2.51	0.81
2:9M:154:ALA:HB2	2:9J:158[B]:ILE:HA	1.61	0.81
2:9O:116:LYS:O	2:9O:118:ILE:CD1	2.29	0.81
1:3J:445:GLY:C	2:3k:44:VAL:HG22	2.05	0.81
1:4L:446:ALA:HB2	2:4h:56:ASN:HB2	1.63	0.81
1:6L:447:GLN:HA	2:6i:56:ASN:CG	2.05	0.81
1:1Q:203:PRO:HB3	1:1Q:210:LEU:HA	1.63	0.81
1:4M:200:ILE:HD12	1:4M:213:PHE:HD1	1.44	0.81
1:9C:28:GLN:HE22	2:8e:27:ILE:HD11	1.46	0.81
1:1S:447:GLN:N	2:1q:42:VAL:O	2.12	0.81
1:2P:28:GLN:NE2	2:1x:27:ILE:HD11	1.66	0.81
1:6W:446:ALA:H	2:6r:44:VAL:N	1.78	0.81
1:1c:212:GLU:OE2	1:1d:374:ARG:HD3	1.81	0.81
2:1e:238:THR:C	2:1l:247:LYS:HB3	2.06	0.81
2:1g:234:LEU:HD13	2:3g:234:LEU:CD1	2.11	0.81
2:1g:267:ASN:OD1	2:3g:254:SER:HB2	1.78	0.81
2:2Z:41:TYR:CE1	2:2Z:55:VAL:HG13	2.15	0.81
2:2b:196:LEU:HB3	2:3e:200:LEU:CD2	2.10	0.81
2:2b:244:GLY:O	2:3e:242:LEU:CD2	2.29	0.81
2:3e:223:ARG:NH1	2:4e:226:ILE:O	2.12	0.81
2:5e:245:VAL:CA	2:7Z:242:LEU:HD22	2.11	0.81
2:6f:120:ILE:CD1	2:7f:120:ILE:CD1	2.38	0.81
2:6f:200:LEU:CD2	2:5h:200:LEU:HD11	2.10	0.81
2:6f:273:LEU:HD21	2:7f:279:ILE:CG2	2.11	0.81
2:6g:126:LYS:HD3	2:6g:126:LYS:O	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:206:VAL:CG2	2:7Z:209:LEU:O	2.29	0.81
2:8g:120:ILE:HD13	2:9G:120:ILE:HD13	1.63	0.81
2:8h:8:ARG:O	2:8h:8:ARG:HG2	1.81	0.81
2:8h:242:LEU:HD22	2:7i:245:VAL:N	1.88	0.81
2:9F:280:SER:OG	2:9O:247:LYS:HE2	1.81	0.81
2:1k:234:LEU:HD13	2:3k:234:LEU:CD1	2.11	0.81
2:3l:98:ALA:HA	2:3l:110:LEU:HB3	0.84	0.81
2:7g:41:TYR:CE1	2:7g:55:VAL:HG13	2.15	0.81
2:7h:258:ASP:O	2:8p:259:VAL:CG1	2.29	0.81
2:7i:41:TYR:CE1	2:7i:55:VAL:HG13	2.15	0.81
2:8k:126:LYS:HD3	2:8k:126:LYS:O	1.80	0.81
2:1n:8:ARG:O	2:1n:8:ARG:HG2	1.81	0.81
2:2m:206:VAL:HG21	2:3t:210:LEU:N	1.96	0.81
2:2m:242:LEU:HB2	2:3t:234:LEU:CD1	2.09	0.81
2:6m:269:LEU:HD23	2:8u:269:LEU:HD23	1.59	0.81
2:6o:226:ILE:HB	2:7j:222:LEU:CB	2.11	0.81
2:8q:232:TYR:HD1	2:9H:232:TYR:O	1.64	0.81
2:8r:116:LYS:O	2:8r:118:ILE:CD1	2.29	0.81
2:1r:126:LYS:HD3	2:1r:126:LYS:O	1.80	0.81
2:2o:246:LYS:HE2	2:1x:240:THR:C	2.05	0.81
2:2p:238:THR:O	2:3r:246:LYS:C	2.22	0.81
2:2r:241:THR:HG22	2:3x:234:LEU:HD22	1.63	0.81
2:2s:41:TYR:CE1	2:2s:55:VAL:HG13	2.15	0.81
2:5k:277:GLY:CA	2:6s:247:LYS:HE3	2.11	0.81
2:6r:200:LEU:CD2	2:5n:200:LEU:HD11	2.10	0.81
2:7r:273:LEU:HD21	2:9L:273:LEU:HD13	1.60	0.81
2:2v:196:LEU:HB3	2:3u:200:LEU:CD2	2.10	0.81
2:3x:116:LYS:O	2:3x:118:ILE:CD1	2.29	0.81
2:9N:116:LYS:O	2:9N:118:ILE:CD1	2.29	0.81
2:9R:126:LYS:HD3	2:9R:126:LYS:O	1.80	0.81
1:2F:392:THR:HA	2:2h:46:ASP:OD2	1.81	0.81
1:5R:419:ASP:CB	1:5R:425:LYS:NZ	2.44	0.81
1:9D:406:GLY:HA3	2:9I:45:LYS:HE2	1.61	0.81
1:9D:406:GLY:HA3	2:9I:45:LYS:CE	2.10	0.81
1:1b:443:SER:CA	2:1x:56:ASN:HD21	1.94	0.81
1:2Y:447:GLN:O	2:2x:41:TYR:CD1	2.34	0.81
2:2c:241:THR:HG23	2:3l:234:LEU:HD23	1.62	0.81
2:5e:116:LYS:O	2:5e:118:ILE:CD1	2.29	0.81
2:7a:240:THR:HA	2:6v:246:LYS:HD3	1.62	0.81
2:9F:120:ILE:HD13	2:9O:120:ILE:HD13	1.63	0.81
2:1l:126:LYS:O	2:1l:126:LYS:HD3	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:258:ASP:C	2:8o:259:VAL:HG22	2.06	0.81
2:8k:200:LEU:HD23	2:9G:196:LEU:HD12	1.59	0.81
2:1n:119:SER:HB3	2:3n:126:LYS:CG	2.10	0.81
2:5i:98:ALA:HA	2:5i:110:LEU:HB3	0.84	0.81
2:6m:251:VAL:O	2:8u:270:ILE:CG2	2.29	0.81
2:1s:266:LEU:CD1	2:3s:266:LEU:N	2.44	0.81
2:2q:222:LEU:CB	2:3q:226:ILE:HG21	2.10	0.81
2:2q:223:ARG:NH1	2:3q:227:GLY:CA	2.37	0.81
2:2s:232:TYR:HD2	2:3w:232:TYR:CE2	1.87	0.81
2:6r:273:LEU:HD21	2:7u:279:ILE:CG2	2.11	0.81
2:6t:97:TYR:O	2:6t:110:LEU:CB	2.22	0.81
2:7p:41:TYR:CE1	2:7p:55:VAL:HG13	2.15	0.81
2:7q:41:TYR:CE1	2:7q:55:VAL:HG13	2.15	0.81
2:8x:116:LYS:O	2:8x:118:ILE:CD1	2.29	0.81
2:8y:228:ALA:HB3	2:9J:228:ALA:HB1	1.60	0.81
2:9K:116:LYS:O	2:9K:118:ILE:CD1	2.29	0.81
2:4m:116:LYS:O	2:4m:118:ILE:CD1	2.29	0.81
2:6u:251:VAL:O	2:9Q:270:ILE:CG2	2.29	0.81
2:9P:8:ARG:O	2:9P:8:ARG:HG2	1.81	0.81
1:2C:28:GLN:NE2	2:4f:27:ILE:CD1	2.40	0.81
1:3I:408:GLU:HG3	1:3I:437:ILE:HD12	1.61	0.81
1:7G:448:ALA:CB	2:7g:41:TYR:HD1	1.93	0.81
1:6M:447:GLN:HG3	2:6p:60:LEU:CD1	2.11	0.81
1:6W:447:GLN:N	2:6r:42:VAL:O	2.13	0.81
1:8X:445:GLY:CA	2:8y:45:LYS:H	1.88	0.81
1:4d:447:GLN:HG3	2:4n:44:VAL:HG12	1.63	0.81
2:1f:247:LYS:HE2	2:3f:280:SER:HG	1.42	0.81
2:2c:206:VAL:HG21	2:3l:210:LEU:N	1.96	0.81
2:2d:246:LYS:NZ	2:3k:240:THR:O	2.12	0.81
2:6e:126:LYS:O	2:6e:126:LYS:HD3	1.80	0.81
2:6f:116:LYS:O	2:6f:118:ILE:CD1	2.29	0.81
2:8e:154:ALA:HB2	2:9F:158[B]:ILE:HA	1.61	0.81
2:8g:279:ILE:HD13	2:8k:251:VAL:HG13	1.61	0.81
2:2h:41:TYR:CE1	2:2h:55:VAL:HG13	2.15	0.81
2:2h:206:VAL:HG21	2:3p:210:LEU:N	1.96	0.81
2:4g:97:TYR:O	2:4g:110:LEU:CB	2.22	0.81
2:5g:116:LYS:O	2:5g:118:ILE:CD1	2.29	0.81
2:5g:245:VAL:CA	2:7e:242:LEU:HD22	2.11	0.81
2:5g:269:LEU:CD2	2:6k:269:LEU:HD21	2.09	0.81
2:6k:226:ILE:HB	2:7e:222:LEU:CB	2.11	0.81
2:8m:242:LEU:HD21	2:8q:246:LYS:HG3	1.61	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:279:ILE:HD13	2:8q:251:VAL:HG13	1.61	0.81
2:8o:97:TYR:O	2:8o:110:LEU:CB	2.22	0.81
2:1n:242:LEU:CD2	2:2k:244:GLY:C	2.54	0.81
2:3o:126:LYS:HD3	2:3o:126:LYS:O	1.80	0.81
2:4j:8:ARG:HG2	2:4j:8:ARG:O	1.81	0.81
2:8s:242:LEU:HD21	2:8w:246:LYS:HG3	1.61	0.81
2:3q:197:GLN:NE2	2:4k:200:LEU:O	2.14	0.81
2:1w:245:VAL:HG11	2:3w:245:VAL:CG2	2.10	0.81
2:1x:126:LYS:O	2:1x:126:LYS:HD3	1.80	0.81
2:2u:227:GLY:HA3	2:3v:223:ARG:CZ	2.11	0.81
2:2v:41:TYR:CE1	2:2v:55:VAL:HG13	2.15	0.81
1:2J:447:GLN:O	2:2i:41:TYR:CD1	2.25	0.81
1:5L:447:GLN:HG2	2:5h:44:VAL:HG13	1.61	0.81
1:8I:445:GLY:C	2:8p:44:VAL:HG22	2.06	0.81
1:8L:442:ALA:C	2:8m:45:LYS:NZ	2.39	0.81
1:1O:201:ASP:OD2	1:1R:439:PRO:CB	2.29	0.81
1:3O:202:GLU:CD	1:3O:343:SER:HB2	2.05	0.81
1:9D:445:GLY:CA	2:9I:53:THR:OG1	2.29	0.81
2:1h:196:LEU:HD22	2:2t:183:PHE:CZ	2.15	0.81
2:2b:183:PHE:HZ	2:3e:196:LEU:HD22	1.45	0.81
2:2b:223:ARG:CD	2:3e:227:GLY:C	2.46	0.81
2:3h:183:PHE:HD1	2:2w:199:LEU:HB3	0.96	0.81
2:3h:210:LEU:N	2:2w:206:VAL:HG21	1.96	0.81
2:5f:200:LEU:HD13	2:6v:200:LEU:HD13	1.63	0.81
2:6e:251:VAL:O	2:8i:270:ILE:CG2	2.29	0.81
2:6f:200:LEU:HD13	2:5h:200:LEU:HD13	1.63	0.81
2:6g:226:ILE:CG2	2:7Z:222:LEU:CB	2.58	0.81
2:7d:41:TYR:CE1	2:7d:55:VAL:HG13	2.15	0.81
2:8g:116:LYS:O	2:8g:118:ILE:CD1	2.29	0.81
2:1i:210:LEU:HD22	2:2e:201:VAL:CG2	2.10	0.81
2:3k:126:LYS:HD3	2:3k:126:LYS:O	1.80	0.81
2:6k:206:VAL:CG2	2:7e:209:LEU:O	2.29	0.81
2:1p:8:ARG:O	2:1p:8:ARG:HG2	1.81	0.81
2:2j:41:TYR:CE1	2:2j:55:VAL:HG13	2.15	0.81
2:2l:57:MET:CE	2:4i:111:VAL:CG2	2.58	0.81
2:2l:183:PHE:HZ	2:3m:196:LEU:HD22	1.44	0.81
2:8s:247:LYS:HE2	2:9I:280:SER:OG	1.81	0.81
2:9H:41:TYR:CE1	2:9H:55:VAL:HG13	2.15	0.81
2:2r:206:VAL:HG21	2:3x:210:LEU:N	1.95	0.81
2:3t:98:ALA:HA	2:3t:110:LEU:HB3	0.84	0.81
2:6s:240:THR:HA	2:7o:246:LYS:CD	2.10	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7s:41:TYR:CE1	2:7s:55:VAL:HG13	2.15	0.81
2:1u:210:LEU:HD22	2:2t:201:VAL:CG2	2.10	0.81
2:2u:41:TYR:CE1	2:2u:55:VAL:HG13	2.15	0.81
2:2v:222:LEU:CB	2:3u:226:ILE:CG2	2.58	0.81
2:5m:277:GLY:CA	2:6w:247:LYS:HE3	2.11	0.81
1:2E:447:GLN:O	2:2d:41:TYR:CD1	2.32	0.80
1:7C:444:GLY:HA3	2:7a:45:LYS:CE	2.10	0.80
1:7E:447:GLN:CA	2:7c:41:TYR:HE1	1.89	0.80
1:3I:442:ALA:C	2:3l:45:LYS:HZ1	1.89	0.80
1:5L:446:ALA:CA	2:5h:56:ASN:H	1.83	0.80
1:1Z:445:GLY:HA2	2:1v:45:LYS:HG2	1.61	0.80
1:5d:419:ASP:CG	1:5d:425:LYS:NZ	2.34	0.80
1:7X:28:GLN:CD	2:6q:52:LEU:HD13	2.06	0.80
2:2Z:214:PRO:HG2	2:1l:225:MET:O	1.81	0.80
2:3h:116:LYS:O	2:3h:118:ILE:CD1	2.29	0.80
2:6e:255:THR:HA	2:8i:263:VAL:HG11	1.60	0.80
2:7a:41:TYR:CE1	2:7a:55:VAL:HG13	2.15	0.80
2:2e:114:ARG:HD2	2:1p:114:ARG:HB2	1.62	0.80
2:6i:247:LYS:CG	2:8o:277:GLY:O	2.29	0.80
2:7e:41:TYR:CE1	2:7e:55:VAL:HG13	2.15	0.80
2:1m:200:LEU:HD13	2:2j:200:LEU:CD1	2.10	0.80
2:1o:116:LYS:O	2:1o:118:ILE:CD1	2.29	0.80
2:1o:183:PHE:CD2	2:3o:183:PHE:CE2	2.70	0.80
2:1o:270:ILE:HG12	2:3o:251:VAL:HG21	1.61	0.80
2:1o:279:ILE:CB	2:3o:272:VAL:HG11	2.11	0.80
2:2m:228:ALA:HB2	2:3t:223:ARG:CA	2.11	0.80
2:2m:241:THR:HG23	2:3t:234:LEU:HD23	1.62	0.80
2:3p:116:LYS:O	2:3p:118:ILE:CD1	2.29	0.80
2:6n:116:LYS:O	2:6n:118:ILE:CD1	2.29	0.80
2:7m:258:ASP:O	2:8v:259:VAL:CG1	2.29	0.80
2:8s:120:ILE:HD13	2:9I:120:ILE:HD13	1.63	0.80
2:8s:214:PRO:HG3	2:9I:225:MET:HG3	1.63	0.80
2:1r:227:GLY:O	2:2p:223:ARG:HD3	1.81	0.80
2:1s:183:PHE:CD2	2:3s:183:PHE:CE2	2.70	0.80
2:2o:183:PHE:CZ	2:1x:196:LEU:HD22	2.15	0.80
2:5k:116:LYS:O	2:5k:118:ILE:CD1	2.29	0.80
2:6q:258:ASP:C	2:9K:259:VAL:HG22	2.06	0.80
2:6t:116:LYS:O	2:6t:118:ILE:CD1	2.29	0.80
2:1w:234:LEU:HD13	2:3w:234:LEU:CD1	2.11	0.80
2:1w:279:ILE:CB	2:3w:272:VAL:HG11	2.11	0.80
2:3v:116:LYS:O	2:3v:118:ILE:CD1	2.29	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:41:TYR:CE1	2:7w:55:VAL:HG13	2.15	0.80
2:9M:126:LYS:HD3	2:9M:126:LYS:O	1.80	0.80
1:1W:203:PRO:HB3	1:1W:210:LEU:HA	1.63	0.80
1:3U:202:GLU:CD	1:3U:343:SER:HB2	2.05	0.80
1:8X:202:GLU:O	1:8X:209:ALA:CB	2.28	0.80
1:7X:447:GLN:HG3	2:7t:44:VAL:CG1	2.11	0.80
2:1e:41:TYR:OH	2:1l:97:TYR:OH	1.98	0.80
2:1e:223:ARG:HA	2:2Z:226:ILE:HD12	1.62	0.80
2:1h:240:THR:C	2:2t:246:LYS:HE2	2.05	0.80
2:2a:239:THR:CG2	2:3f:247:LYS:CG	2.55	0.80
2:2b:222:LEU:CB	2:3e:226:ILE:CG2	2.58	0.80
2:2c:28:ILE:CD1	2:3l:99:VAL:HG12	2.10	0.80
2:2c:127:ASP:CG	2:3l:122:VAL:H	1.89	0.80
2:3h:99:VAL:HG12	2:2w:28:ILE:CD1	2.10	0.80
2:5f:247:LYS:CB	2:6v:239:THR:N	2.44	0.80
2:6e:254:SER:C	2:8i:267:ASN:ND2	2.39	0.80
2:8g:41:TYR:OH	2:8k:97:TYR:OH	1.70	0.80
2:1i:116:LYS:O	2:1i:118:ILE:CD1	2.29	0.80
2:2e:183:PHE:CZ	2:1p:196:LEU:HD22	2.15	0.80
2:2f:41:TYR:CE1	2:2f:55:VAL:HG13	2.15	0.80
2:2h:228:ALA:HB2	2:3p:223:ARG:CA	2.11	0.80
2:2i:245:VAL:HG21	2:3o:245:VAL:HG11	1.60	0.80
2:3j:116:LYS:O	2:3j:118:ILE:CD1	2.29	0.80
2:5g:148[B]:ILE:HD12	2:6k:148[B]:ILE:HD11	1.63	0.80
2:7h:41:TYR:CE1	2:7h:55:VAL:HG13	2.15	0.80
2:7h:266:LEU:CA	2:8p:266:LEU:HD13	2.12	0.80
2:1o:234:LEU:HD13	2:3o:234:LEU:CD1	2.11	0.80
2:2n:278:ILE:CD1	2:3s:278:ILE:O	2.30	0.80
2:6o:203:ASN:ND2	2:7j:212:GLY:CA	2.45	0.80
2:6p:116:LYS:O	2:6p:118:ILE:CD1	2.29	0.80
2:8u:116:LYS:O	2:8u:118:ILE:CD1	2.29	0.80
2:8v:8:ARG:HG2	2:8v:8:ARG:O	1.81	0.80
2:1q:234:LEU:HD23	2:2o:242:LEU:HB2	1.59	0.80
2:5k:269:LEU:CD2	2:6s:269:LEU:HD21	2.09	0.80
2:6q:126:LYS:HD3	2:6q:126:LYS:O	1.80	0.80
2:6q:247:LYS:CG	2:9K:277:GLY:O	2.29	0.80
2:6q:254:SER:O	2:9K:263:VAL:HG12	1.80	0.80
2:6s:126:LYS:HD3	2:6s:126:LYS:O	1.80	0.80
2:8w:8:ARG:HG2	2:8w:8:ARG:O	1.81	0.80
2:8z:226:ILE:CD1	2:7x:226:ILE:CD1	2.58	0.80
2:2u:57:MET:CE	2:3v:111:VAL:HG22	2.09	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3u:223:ARG:NH1	2:4m:226:ILE:O	2.12	0.80
2:6u:126:LYS:HD3	2:6u:126:LYS:O	1.80	0.80
2:6u:254:SER:C	2:9Q:267:ASN:ND2	2.39	0.80
2:6u:258:ASP:C	2:9Q:259:VAL:HG22	2.06	0.80
2:6x:97:TYR:O	2:6x:110:LEU:CB	2.22	0.80
2:9P:126:LYS:O	2:9P:126:LYS:HD3	1.80	0.80
1:1C:201:ASP:OD2	1:1F:439:PRO:CB	2.29	0.80
1:5F:419:ASP:CB	1:5F:425:LYS:NZ	2.44	0.80
1:1K:203:PRO:HB3	1:1K:210:LEU:HA	1.63	0.80
1:5L:419:ASP:CB	1:5L:425:LYS:NZ	2.44	0.80
1:5L:448:ALA:HA	2:5h:41:TYR:HD1	1.41	0.80
1:7R:355:SER:OG	1:7R:356:PRO:HD3	1.81	0.80
1:8Z:448:ALA:CB	2:9N:41:TYR:CD2	2.64	0.80
2:1h:247:LYS:HB3	2:1u:238:THR:C	2.06	0.80
2:2d:41:TYR:CE1	2:2d:55:VAL:HG13	2.15	0.80
2:6f:98:ALA:HA	2:6f:110:LEU:HB3	0.84	0.80
2:6f:239:THR:N	2:5h:247:LYS:CB	2.44	0.80
2:8f:263:VAL:HG21	2:9P:256:ALA:O	1.81	0.80
2:9F:225:MET:HG3	2:9O:214:PRO:HG3	1.63	0.80
2:1k:245:VAL:HG11	2:3k:245:VAL:CG2	2.10	0.80
2:2e:246:LYS:HE2	2:1p:240:THR:C	2.05	0.80
2:2g:196:LEU:HB3	2:3i:200:LEU:CD2	2.10	0.80
2:2g:244:GLY:O	2:3i:242:LEU:CD2	2.29	0.80
2:2h:200:LEU:HD13	2:3p:200:LEU:CD2	2.05	0.80
2:6j:200:LEU:HD13	2:5j:200:LEU:HD13	1.63	0.80
2:6l:116:LYS:O	2:6l:118:ILE:CD1	2.29	0.80
2:5i:259:VAL:HG22	2:6o:259:VAL:N	1.95	0.80
2:5i:277:GLY:CA	2:6o:247:LYS:HE3	2.11	0.80
2:5j:8:ARG:HG2	2:5j:8:ARG:O	1.81	0.80
2:6o:226:ILE:HG21	2:7j:222:LEU:HB3	1.60	0.80
2:8q:278:ILE:CG2	2:9H:278:ILE:HG23	2.03	0.80
2:1q:116:LYS:O	2:1q:118:ILE:CD1	2.29	0.80
2:2s:278:ILE:CD1	2:3w:278:ILE:O	2.29	0.80
2:8x:98:ALA:HA	2:8x:110:LEU:HB3	0.84	0.80
2:8z:8:ARG:O	2:8z:8:ARG:HG2	1.81	0.80
2:9L:8:ARG:HG2	2:9L:8:ARG:O	1.81	0.80
2:9L:126:LYS:HD3	2:9L:126:LYS:O	1.80	0.80
2:1v:244:GLY:CA	2:3v:242:LEU:HB3	2.06	0.80
2:6v:116:LYS:O	2:6v:118:ILE:CD1	2.29	0.80
2:6w:243:GLY:H	2:7t:244:GLY:HA3	1.42	0.80
2:6x:116:LYS:O	2:6x:118:ILE:CD1	2.29	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3C:447:GLN:HG2	2:3h:44:VAL:HG23	1.61	0.80
1:1I:201:ASP:OD2	1:1L:439:PRO:CB	2.28	0.80
1:1U:201:ASP:OD2	1:1X:439:PRO:CB	2.29	0.80
1:3T:354:VAL:O	1:3T:354:VAL:HG12	1.82	0.80
1:5W:204:THR:HB	1:5W:212:GLU:OE1	1.82	0.80
1:5X:419:ASP:CB	1:5X:425:LYS:NZ	2.44	0.80
1:3Z:354:VAL:HG12	1:3Z:354:VAL:O	1.82	0.80
2:1g:116:LYS:O	2:1g:118:ILE:CD1	2.29	0.80
2:1g:279:ILE:HG22	2:3g:272:VAL:HG13	1.64	0.80
2:3e:266:LEU:HD13	2:4e:266:LEU:HD13	1.61	0.80
2:3h:223:ARG:CA	2:2w:228:ALA:HB2	2.11	0.80
2:6f:239:THR:CA	2:5h:247:LYS:H	1.94	0.80
2:7d:226:ILE:CD1	2:9P:226:ILE:CD1	2.59	0.80
2:8i:116:LYS:O	2:8i:118:ILE:CD1	2.29	0.80
2:9F:238:THR:O	2:9O:247:LYS:N	2.15	0.80
2:1j:227:GLY:O	2:2f:223:ARG:HD3	1.81	0.80
2:5g:98:ALA:HA	2:5g:110:LEU:HB3	0.84	0.80
2:8n:226:ILE:CD1	2:7n:226:ILE:CD1	2.58	0.80
2:1m:223:ARG:HA	2:2j:226:ILE:HD12	1.62	0.80
2:1m:238:THR:C	2:1t:247:LYS:HB3	2.06	0.80
2:4i:116:LYS:O	2:4i:118:ILE:CD1	2.29	0.80
2:2q:246:LYS:CD	2:3q:240:THR:CA	2.56	0.80
2:5k:245:VAL:CA	2:7o:242:LEU:HD22	2.11	0.80
2:6r:239:THR:CA	2:5n:247:LYS:H	1.94	0.80
2:6s:203:ASN:ND2	2:7o:212:GLY:CA	2.45	0.80
2:1u:200:LEU:HD13	2:2t:200:LEU:CD1	2.10	0.80
2:1v:8:ARG:O	2:1v:8:ARG:HG2	1.81	0.80
2:2u:201:VAL:HA	2:3v:197:GLN:NE2	1.97	0.80
2:6w:226:ILE:HB	2:7t:222:LEU:CB	2.11	0.80
1:8C:444:GLY:O	2:8j:44:VAL:CG2	2.30	0.80
1:8L:202:GLU:O	1:8L:209:ALA:CB	2.28	0.80
1:3O:408:GLU:HG3	1:3O:437:ILE:HD12	1.60	0.80
1:4R:446:ALA:CB	2:4j:56:ASN:H	1.94	0.80
1:5W:445:GLY:C	2:5k:44:VAL:HB	2.06	0.80
1:8T:447:GLN:CB	2:8x:56:ASN:HB2	2.11	0.80
1:5d:419:ASP:CB	1:5d:425:LYS:NZ	2.44	0.80
2:1e:122:VAL:HG23	2:2Z:127:ASP:OD1	1.82	0.80
2:1e:200:LEU:HD13	2:2Z:200:LEU:CD1	2.10	0.80
2:1g:279:ILE:CB	2:3g:272:VAL:HG11	2.11	0.80
2:3h:122:VAL:H	2:2w:127:ASP:CG	1.89	0.80
2:5f:239:THR:N	2:7a:247:LYS:HB3	1.97	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5f:247:LYS:H	2:6v:239:THR:CA	1.94	0.80
2:6f:239:THR:CA	2:5h:247:LYS:N	2.45	0.80
2:7b:242:LEU:CD2	2:9Q:245:VAL:O	2.29	0.80
2:8f:97:TYR:O	2:8f:110:LEU:CB	2.22	0.80
2:8f:116:LYS:O	2:8f:118:ILE:CD1	2.29	0.80
2:8g:247:LYS:HG2	2:9G:280:SER:OG	1.80	0.80
2:2e:214:PRO:HG2	2:1p:225:MET:O	1.81	0.80
2:2h:127:ASP:CG	2:3p:122:VAL:H	1.89	0.80
2:6i:8:ARG:HG2	2:6i:8:ARG:O	1.81	0.80
2:6i:254:SER:O	2:8o:263:VAL:HG12	1.80	0.80
2:6j:239:THR:N	2:5j:247:LYS:CB	2.44	0.80
2:6k:8:ARG:HG2	2:6k:8:ARG:O	1.81	0.80
2:8n:256:ALA:O	2:8r:263:VAL:HG21	1.81	0.80
2:9G:41:TYR:CE1	2:9G:55:VAL:HG13	2.15	0.80
2:2j:200:LEU:HD13	2:1t:200:LEU:HD13	1.64	0.80
2:2l:223:ARG:HH11	2:3m:227:GLY:C	1.90	0.80
2:2l:246:LYS:CE	2:3m:240:THR:C	2.45	0.80
2:3o:8:ARG:O	2:3o:8:ARG:HG2	1.81	0.80
2:5i:116:LYS:O	2:5i:118:ILE:CD1	2.29	0.80
2:6n:200:LEU:HD13	2:5l:200:LEU:HD13	1.63	0.80
2:2o:114:ARG:HD2	2:1x:114:ARG:HB2	1.62	0.80
2:2p:225:MET:HG2	2:3r:214:PRO:HG3	1.62	0.80
2:2r:127:ASP:CG	2:3x:122:VAL:H	1.89	0.80
2:2r:241:THR:HG23	2:3x:234:LEU:HD23	1.62	0.80
2:2s:244:GLY:HA3	2:3w:243:GLY:O	1.79	0.80
2:3r:98:ALA:HA	2:3r:110:LEU:HB3	0.84	0.80
2:4k:116:LYS:O	2:4k:118:ILE:CD1	2.29	0.80
2:8y:97:TYR:O	2:8y:110:LEU:CB	2.22	0.80
2:8y:116:LYS:O	2:8y:118:ILE:CD1	2.29	0.80
2:5m:148[B]:ILE:HD12	2:6w:148[B]:ILE:HD11	1.63	0.80
2:5n:8:ARG:O	2:5n:8:ARG:HG2	1.81	0.80
2:6v:97:TYR:O	2:6v:110:LEU:CB	2.22	0.80
1:2B:392:THR:CB	2:2b:46:ASP:OD2	2.30	0.80
1:7E:448:ALA:CB	2:7c:60:LEU:CG	2.53	0.80
1:7L:447:GLN:NE2	2:7l:44:VAL:CG2	2.45	0.80
1:7M:355:SER:CB	1:7M:356:PRO:CD	2.40	0.80
1:9C:392:THR:CG2	2:9H:46:ASP:CG	2.51	0.80
1:3W:448:ALA:HB3	2:3r:41:TYR:CD2	2.15	0.80
1:9D:444:GLY:O	2:9I:53:THR:OG1	1.99	0.80
1:7W:355:SER:OG	1:7W:356:PRO:HD3	1.81	0.80
1:8d:445:GLY:CA	2:9O:44:VAL:HB	2.10	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9E:403:SER:HG	2:9J:16:TYR:HH	0.80	0.80
2:1e:116:LYS:O	2:1e:118:ILE:CD1	2.29	0.80
2:1f:227:GLY:O	2:2a:223:ARG:HD3	1.81	0.80
2:2a:227:GLY:O	2:3f:230:VAL:HG12	1.79	0.80
2:2c:226:ILE:HD11	2:3l:226:ILE:CG1	2.03	0.80
2:2d:245:VAL:CG2	2:3k:245:VAL:HG13	2.08	0.80
2:6e:247:LYS:CG	2:8i:277:GLY:O	2.29	0.80
2:6e:256:ALA:C	2:8i:263:VAL:CG2	2.51	0.80
2:8e:8:ARG:O	2:8e:8:ARG:HG2	1.81	0.80
2:8e:257:THR:O	2:9O:259:VAL:CB	2.30	0.80
2:8i:97:TYR:O	2:8i:110:LEU:CB	2.22	0.80
2:1i:226:ILE:HG12	2:2e:226:ILE:HD12	1.63	0.80
2:2f:225:MET:HG2	2:3j:214:PRO:HG3	1.62	0.80
2:2g:222:LEU:CB	2:3i:226:ILE:HG21	2.10	0.80
2:2h:242:LEU:HD11	2:3p:236:ALA:N	1.95	0.80
2:6j:239:THR:CA	2:5j:247:LYS:H	1.94	0.80
2:1o:245:VAL:HG11	2:3o:245:VAL:CG2	2.11	0.80
2:2l:244:GLY:O	2:3m:242:LEU:CD2	2.29	0.80
2:2m:241:THR:HG22	2:3t:234:LEU:HD22	1.63	0.80
2:3m:126:LYS:O	2:3m:126:LYS:HD3	1.80	0.80
2:5i:245:VAL:C	2:7j:242:LEU:HD22	2.05	0.80
2:6o:240:THR:HA	2:7j:246:LYS:CD	2.10	0.80
2:8t:256:ALA:O	2:8x:263:VAL:HG21	1.81	0.80
2:8u:245:VAL:O	2:7q:242:LEU:CD2	2.29	0.80
2:1s:116:LYS:O	2:1s:118:ILE:CD1	2.29	0.80
2:2p:227:GLY:HA3	2:3r:223:ARG:CZ	2.10	0.80
2:2p:242:LEU:HB3	2:3r:244:GLY:HA3	0.80	0.80
2:5k:259:VAL:CG1	2:6s:258:ASP:O	2.30	0.80
2:6s:206:VAL:CG2	2:7o:209:LEU:O	2.29	0.80
2:6s:239:THR:CA	2:7o:247:LYS:N	2.40	0.80
2:6t:98:ALA:HA	2:6t:110:LEU:HB3	0.84	0.80
2:8w:174:LEU:HD23	2:9I:170:LEU:CD1	2.12	0.80
2:8w:232:TYR:HB3	2:9I:232:TYR:CB	2.12	0.80
2:6u:247:LYS:CG	2:9Q:277:GLY:O	2.29	0.80
2:6w:239:THR:CA	2:7t:247:LYS:N	2.40	0.80
2:9Q:116:LYS:O	2:9Q:118:ILE:CD1	2.29	0.80
1:8B:447:GLN:CD	2:8f:44:VAL:CG2	2.55	0.80
1:8F:446:ALA:HB3	2:8g:55:VAL:HG22	1.63	0.80
1:3U:202:GLU:CB	1:3U:343:SER:CB	2.53	0.80
2:1f:242:LEU:CD2	2:2a:244:GLY:C	2.54	0.80
2:1g:97:TYR:O	2:1g:110:LEU:CB	2.22	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:214:PRO:CD	2:3e:225:MET:HG3	2.12	0.80
2:7c:266:LEU:CA	2:8j:266:LEU:HD13	2.12	0.80
2:3i:8:ARG:HG2	2:3i:8:ARG:O	1.81	0.80
2:6k:126:LYS:HD3	2:6k:126:LYS:O	1.80	0.80
2:8m:247:LYS:HE2	2:9H:280:SER:OG	1.81	0.80
2:2k:226:ILE:HG21	2:3n:222:LEU:CB	1.86	0.80
2:2m:120:ILE:CD1	2:3t:120:ILE:HD11	2.10	0.80
2:8q:174:LEU:HD23	2:9H:170:LEU:CD1	2.12	0.80
2:8v:126:LYS:HD3	2:8v:126:LYS:O	1.80	0.80
2:2o:214:PRO:HG2	2:1x:225:MET:O	1.81	0.80
2:2p:41:TYR:CE1	2:2p:55:VAL:HG13	2.15	0.80
2:2p:57:MET:CE	2:3r:111:VAL:HG22	2.09	0.80
2:2q:223:ARG:HH11	2:3q:227:GLY:C	1.89	0.80
2:3s:8:ARG:HG2	2:3s:8:ARG:O	1.81	0.80
2:4l:245:VAL:N	2:3x:242:LEU:CD2	2.36	0.80
2:8y:259:VAL:CB	2:9M:257:THR:O	2.30	0.80
2:9K:97:TYR:O	2:9K:110:LEU:CB	2.22	0.80
2:1w:183:PHE:CD2	2:3w:183:PHE:CE2	2.70	0.80
2:5m:259:VAL:CG1	2:6w:258:ASP:O	2.30	0.80
2:6w:240:THR:HA	2:7t:246:LYS:CD	2.10	0.80
1:1E:212:GLU:OE2	1:1F:374:ARG:HD3	1.81	0.80
1:1M:446:ALA:CA	2:1m:42:VAL:O	2.29	0.80
1:1U:444:GLY:H	2:1s:45:LYS:CE	1.93	0.80
1:7Y:446:ALA:HA	2:7w:44:VAL:HG22	1.64	0.80
2:1h:8:ARG:HG2	2:1h:8:ARG:O	1.81	0.80
2:2Z:246:LYS:HE2	2:1l:240:THR:C	2.05	0.80
2:2a:201:VAL:HA	2:3f:197:GLN:NE2	1.97	0.80
2:2b:222:LEU:CB	2:3e:226:ILE:HG21	2.10	0.80
2:2d:188:THR:OG1	2:3k:199:LEU:O	2.00	0.80
2:8e:246:LYS:HG3	2:9O:242:LEU:HD21	1.61	0.80
2:8g:247:LYS:N	2:9G:238:THR:O	2.15	0.80
2:1i:41:TYR:HH	2:1p:97:TYR:HH	1.24	0.80
2:5g:259:VAL:CG1	2:6k:258:ASP:CA	2.58	0.80
2:6j:126:LYS:HG3	2:5j:119:SER:HB3	1.64	0.80
2:7h:272:VAL:CG1	2:8p:279:ILE:CG2	2.60	0.80
2:8p:8:ARG:O	2:8p:8:ARG:HG2	1.81	0.80
2:1m:222:LEU:HB2	2:2j:226:ILE:HG22	1.58	0.80
2:2l:222:LEU:CB	2:3m:226:ILE:HG21	2.10	0.80
2:5i:259:VAL:CG1	2:6o:258:ASP:O	2.30	0.80
2:6m:61:ALA:HB3	2:8u:57:MET:HB3	1.63	0.80
2:6o:8:ARG:O	2:6o:8:ARG:HG2	1.81	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:279:ILE:CG2	2:9H:272:VAL:HG12	2.12	0.80
2:8s:116:LYS:O	2:8s:118:ILE:CD1	2.29	0.80
2:8s:279:ILE:HD13	2:8w:251:VAL:HG13	1.61	0.80
2:1q:41:TYR:OH	2:1x:97:TYR:OH	1.98	0.80
2:1s:234:LEU:HD13	2:3s:234:LEU:CD1	2.11	0.80
2:1s:269:LEU:CD2	2:3s:269:LEU:CD2	2.57	0.80
2:2q:196:LEU:HB3	2:3q:200:LEU:CD2	2.10	0.80
2:2r:127:ASP:OD1	2:3x:122:VAL:N	2.15	0.80
2:5k:148[B]:ILE:HD12	2:6s:148[B]:ILE:HD11	1.63	0.80
2:5k:245:VAL:C	2:7o:242:LEU:HD22	2.05	0.80
2:6r:120:ILE:CD1	2:7u:120:ILE:CD1	2.38	0.80
2:8z:256:ALA:O	2:9N:263:VAL:HG21	1.81	0.80
2:2v:273:LEU:HD23	2:3u:279:ILE:HG22	1.64	0.80
2:9M:279:ILE:CG2	2:9J:272:VAL:HG12	2.12	0.80
1:2H:28:GLN:HE22	2:4h:27:ILE:HD12	1.45	0.80
1:8M:445:GLY:O	2:8q:44:VAL:HG22	1.81	0.80
1:1a:201:ASP:OD2	1:1d:439:PRO:CB	2.28	0.80
1:5c:204:THR:HB	1:5c:212:GLU:OE1	1.82	0.80
1:6Z:443:SER:HA	2:6w:56:ASN:HD21	1.14	0.80
1:8c:445:GLY:HA2	2:9P:45:LYS:CG	2.09	0.80
2:1f:119:SER:HB3	2:3f:126:LYS:CG	2.10	0.80
2:1g:280:SER:N	2:3g:249:ALA:O	2.15	0.80
2:2b:57:MET:CE	2:4e:111:VAL:CG2	2.58	0.80
2:5e:148[B]:ILE:HD12	2:6g:148[B]:ILE:HD11	1.63	0.80
2:6g:242:LEU:CD2	2:7Z:236:ALA:CA	2.53	0.80
2:7c:258:ASP:O	2:8j:259:VAL:CG1	2.29	0.80
2:7c:272:VAL:CG1	2:8j:279:ILE:CG2	2.60	0.80
2:1j:119:SER:HB3	2:3j:126:LYS:CG	2.10	0.80
2:1k:270:ILE:HG12	2:3k:251:VAL:HG21	1.61	0.80
2:2e:197:GLN:HE21	2:1p:201:VAL:HA	1.47	0.80
2:2g:223:ARG:HH11	2:3i:227:GLY:C	1.90	0.80
2:8m:247:LYS:N	2:9H:238:THR:O	2.15	0.80
2:8o:245:VAL:O	2:7l:242:LEU:CD2	2.29	0.80
2:6n:239:THR:N	2:5l:247:LYS:CB	2.44	0.80
2:8s:259:VAL:CB	2:8w:257:THR:O	2.30	0.80
2:1s:229:GLY:N	2:3s:231:PRO:HD3	1.97	0.80
2:7r:41:TYR:CE1	2:7r:55:VAL:HG13	2.15	0.80
2:7r:272:VAL:CG1	2:9L:279:ILE:CG2	2.60	0.80
2:8y:214:PRO:HG3	2:9J:225:MET:HG3	1.63	0.80
2:2v:214:PRO:CD	2:3u:225:MET:HG3	2.12	0.80
2:2v:246:LYS:HB3	2:3u:239:THR:CA	2.12	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5n:239:THR:N	2:7u:247:LYS:HB3	1.97	0.80
2:6u:269:LEU:HD11	2:9Q:273:LEU:CD1	2.12	0.80
2:7w:258:ASP:O	2:9R:259:VAL:CG1	2.29	0.80
1:8B:447:GLN:HB2	2:8f:56:ASN:HB2	1.64	0.80
1:3O:443:SER:N	2:3p:45:LYS:NZ	2.20	0.80
1:4R:443:SER:HA	2:4j:56:ASN:ND2	1.97	0.80
1:7K:447:GLN:O	2:7n:41:TYR:CD1	2.34	0.80
1:5W:447:GLN:N	2:5k:42:VAL:O	2.14	0.80
2:2Z:183:PHE:CZ	2:1l:196:LEU:HD22	2.15	0.80
2:2b:223:ARG:HH11	2:3e:227:GLY:C	1.90	0.80
2:2d:278:ILE:CD1	2:3k:278:ILE:O	2.30	0.80
2:3e:197:GLN:NE2	2:4e:200:LEU:O	2.14	0.80
2:3f:116:LYS:O	2:3f:118:ILE:CD1	2.29	0.80
2:3g:278:ILE:O	2:2x:278:ILE:CD1	2.30	0.80
2:5f:247:LYS:N	2:6v:239:THR:CA	2.45	0.80
2:7a:57:MET:CE	2:6v:111:VAL:HG22	2.11	0.80
2:7c:251:VAL:HG13	2:8j:279:ILE:CD1	1.95	0.80
2:8g:214:PRO:HG3	2:9G:225:MET:HG3	1.63	0.80
2:8g:247:LYS:HE2	2:9G:280:SER:OG	1.81	0.80
2:8i:245:VAL:O	2:7g:242:LEU:CD2	2.29	0.80
2:8j:126:LYS:HD3	2:8j:126:LYS:O	1.80	0.80
2:1k:183:PHE:CD2	2:3k:183:PHE:CE2	2.70	0.80
2:2e:244:GLY:HA3	2:1p:243:GLY:H	1.42	0.80
2:3i:197:GLN:NE2	2:4g:200:LEU:O	2.14	0.80
2:6k:203:ASN:ND2	2:7e:212:GLY:CA	2.45	0.80
2:6k:279:ILE:CG2	2:7e:273:LEU:CD2	2.60	0.80
2:8m:98:ALA:HA	2:8m:110:LEU:HB3	0.84	0.80
2:8m:120:ILE:HD13	2:9H:120:ILE:HD13	1.63	0.80
2:8m:214:PRO:HG3	2:9H:225:MET:HG3	1.63	0.80
2:6m:8:ARG:HG2	2:6m:8:ARG:O	1.81	0.80
2:6m:258:ASP:C	2:8u:259:VAL:HG22	2.06	0.80
2:6n:239:THR:CA	2:5l:247:LYS:H	1.94	0.80
2:3r:116:LYS:O	2:3r:118:ILE:CD1	2.29	0.80
2:6s:8:ARG:O	2:6s:8:ARG:HG2	1.81	0.80
2:7r:266:LEU:CA	2:9L:266:LEU:HD13	2.12	0.80
2:1w:116:LYS:O	2:1w:118:ILE:CD1	2.29	0.80
2:1x:8:ARG:O	2:1x:8:ARG:HG2	1.81	0.80
2:5m:116:LYS:O	2:5m:118:ILE:CD1	2.29	0.80
2:6u:254:SER:O	2:9Q:263:VAL:HG12	1.80	0.80
2:6w:206:VAL:CG2	2:7t:209:LEU:O	2.29	0.80
1:3B:354:VAL:HG12	1:3B:354:VAL:O	1.82	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8I:445:GLY:O	2:8p:44:VAL:N	2.14	0.79
1:6M:444:GLY:O	2:6p:45:LYS:HD2	1.81	0.79
1:8R:447:GLN:CG	2:8s:42:VAL:HG13	2.12	0.79
1:7R:403:SER:O	2:7p:16:TYR:OH	1.98	0.79
1:1a:446:ALA:HA	2:1w:44:VAL:HG23	1.62	0.79
1:6Y:448:ALA:O	2:6x:59:PRO:CA	2.30	0.79
1:8Y:446:ALA:HB3	2:9M:55:VAL:HA	1.62	0.79
1:8Z:448:ALA:CB	2:9N:41:TYR:HD2	1.94	0.79
2:1g:270:ILE:HG23	2:3g:251:VAL:HG21	1.60	0.79
2:2b:247:LYS:N	2:3e:239:THR:CA	2.45	0.79
2:5e:259:VAL:CG1	2:6g:258:ASP:O	2.30	0.79
2:6h:116:LYS:O	2:6h:118:ILE:CD1	2.29	0.79
2:8h:256:ALA:O	2:8l:263:VAL:HG21	1.81	0.79
2:1k:98:ALA:HA	2:1k:110:LEU:HB3	0.84	0.79
2:1k:229:GLY:N	2:3k:231:PRO:HD3	1.97	0.79
2:2f:242:LEU:HB3	2:3j:244:GLY:HA3	0.80	0.79
2:2i:246:LYS:NZ	2:3o:240:THR:O	2.12	0.79
2:3k:8:ARG:HG2	2:3k:8:ARG:O	1.81	0.79
2:6j:273:LEU:HD21	2:7k:279:ILE:CG2	2.11	0.79
2:7h:246:LYS:HA	2:8p:237:ALA:HB1	1.65	0.79
2:8m:116:LYS:O	2:8m:118:ILE:CD1	2.29	0.79
2:8n:254:SER:O	2:8r:263:VAL:HG13	1.82	0.79
2:5j:239:THR:N	2:7k:247:LYS:HB3	1.97	0.79
2:2p:201:VAL:HA	2:3r:197:GLN:NE2	1.97	0.79
2:3q:8:ARG:O	2:3q:8:ARG:HG2	1.81	0.79
2:1v:227:GLY:O	2:2u:223:ARG:HD3	1.81	0.79
2:2v:246:LYS:CD	2:3u:240:THR:CA	2.55	0.79
2:2v:247:LYS:N	2:3u:239:THR:CA	2.45	0.79
2:9M:240:THR:HA	2:9J:246:LYS:HZ3	1.46	0.79
1:8B:228:GLN:OE1	1:8B:228:GLN:N	2.14	0.79
1:7H:355:SER:OG	1:7H:356:PRO:HD3	1.81	0.79
1:7H:446:ALA:HA	2:7f:44:VAL:HG22	1.65	0.79
1:1P:445:GLY:C	2:1p:44:VAL:HG22	2.08	0.79
2:2c:228:ALA:HB2	2:3l:223:ARG:CA	2.11	0.79
2:3e:126:LYS:HD3	2:3e:126:LYS:O	1.80	0.79
2:4f:8:ARG:O	2:4f:8:ARG:HG2	1.81	0.79
2:6e:61:ALA:HB3	2:8i:57:MET:HB3	1.63	0.79
2:6e:258:ASP:C	2:8i:259:VAL:HG22	2.06	0.79
2:6g:279:ILE:CG2	2:7Z:273:LEU:CD2	2.60	0.79
2:8g:259:VAL:CB	2:8k:257:THR:O	2.30	0.79
2:8h:254:SER:O	2:8l:263:VAL:HG13	1.82	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:279:ILE:CB	2:3k:272:VAL:HG11	2.11	0.79
2:4g:116:LYS:O	2:4g:118:ILE:CD1	2.29	0.79
2:6i:61:ALA:HB3	2:8o:57:MET:HB3	1.63	0.79
2:1m:226:ILE:HG12	2:2j:226:ILE:HD12	1.63	0.79
2:2m:59:PRO:HG3	2:3t:59:PRO:O	1.83	0.79
2:2m:127:ASP:CG	2:3t:122:VAL:H	1.89	0.79
2:4i:98:ALA:HA	2:4i:110:LEU:HB3	0.84	0.79
2:5i:266:LEU:HD23	2:6o:265:ASP:HB2	1.65	0.79
2:6m:269:LEU:HD11	2:8u:273:LEU:CD1	2.12	0.79
2:7m:97:TYR:HH	2:8v:41:TYR:HH	1.19	0.79
2:7m:266:LEU:CA	2:8v:266:LEU:HD13	2.12	0.79
2:1s:232:TYR:CD2	2:3s:232:TYR:HD2	2.00	0.79
2:2u:200:LEU:HD22	2:3v:200:LEU:HD11	1.20	0.79
2:5m:245:VAL:C	2:7t:242:LEU:HD22	2.05	0.79
2:6x:120:ILE:HD11	2:7w:120:ILE:HD11	1.60	0.79
2:9M:148[A]:ILE:HD13	2:9J:148[A]:ILE:HD13	1.63	0.79
2:9M:200:LEU:C	2:9J:193:LYS:CD	2.49	0.79
2:9M:232:TYR:HB3	2:9J:232:TYR:CB	2.12	0.79
1:5E:204:THR:HB	1:5E:212:GLU:OE1	1.82	0.79
1:7C:26:ASN:OD1	2:9P:52:LEU:CD1	2.30	0.79
1:7C:355:SER:OG	1:7C:356:PRO:HD3	1.81	0.79
1:9C:397:THR:HA	2:9H:107:LEU:HB2	1.62	0.79
1:6W:202:GLU:C	1:6W:209:ALA:HB1	2.05	0.79
2:1f:200:LEU:CD1	2:3f:200:LEU:CD2	2.44	0.79
2:1g:98:ALA:HA	2:1g:110:LEU:HB3	0.84	0.79
2:1h:201:VAL:HA	2:2t:197:GLN:HE21	1.47	0.79
2:2c:127:ASP:OD1	2:3l:122:VAL:N	2.15	0.79
2:3f:98:ALA:HA	2:3f:110:LEU:HB3	0.84	0.79
2:3h:59:PRO:O	2:2w:59:PRO:HG3	1.82	0.79
2:6g:203:ASN:ND2	2:7Z:212:GLY:CA	2.45	0.79
2:8e:174:LEU:HD23	2:9F:170:LEU:CD1	2.12	0.79
2:8f:263:VAL:HG13	2:9P:254:SER:O	1.82	0.79
2:8g:97:TYR:O	2:8g:110:LEU:CB	2.22	0.79
2:1i:238:THR:C	2:1p:247:LYS:HB3	2.06	0.79
2:2g:214:PRO:CD	2:3i:225:MET:HG3	2.12	0.79
2:6j:242:LEU:CB	2:5j:244:GLY:HA3	2.12	0.79
2:8k:8:ARG:HG2	2:8k:8:ARG:O	1.81	0.79
2:2k:242:LEU:HB3	2:3n:244:GLY:HA3	0.80	0.79
2:6n:126:LYS:HG3	2:5l:119:SER:HB3	1.64	0.79
2:8q:8:ARG:O	2:8q:8:ARG:HG2	1.81	0.79
2:8s:228:ALA:HB3	2:9I:228:ALA:HB1	1.60	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2r:59:PRO:HG3	2:3x:59:PRO:O	1.83	0.79
2:5k:226:ILE:HD11	2:7o:226:ILE:HD12	1.65	0.79
2:3v:97:TYR:O	2:3v:110:LEU:CB	2.22	0.79
2:9N:97:TYR:O	2:9N:110:LEU:CB	2.22	0.79
1:4G:200:ILE:HD12	1:4G:213:PHE:HD1	1.44	0.79
1:7W:392:THR:OG1	2:7u:46:ASP:OD2	2.01	0.79
2:1e:226:ILE:HG12	2:2Z:226:ILE:HD12	1.63	0.79
2:1h:225:MET:O	2:2t:214:PRO:HG2	1.81	0.79
2:2Z:273:LEU:CD2	2:1l:279:ILE:HG22	2.13	0.79
2:2b:246:LYS:CE	2:3e:240:THR:C	2.45	0.79
2:6e:8:ARG:O	2:6e:8:ARG:HG2	1.81	0.79
2:6e:269:LEU:HD11	2:8i:273:LEU:CD1	2.12	0.79
2:8e:175:PHE:HD1	2:9F:171:GLN:NE2	1.80	0.79
2:8e:279:ILE:CG2	2:9F:272:VAL:HG12	2.12	0.79
2:8f:98:ALA:HA	2:8f:110:LEU:HB3	0.84	0.79
2:9F:200:LEU:O	2:9O:197:GLN:CG	2.31	0.79
2:9F:242:LEU:CD1	2:9O:236:ALA:CA	2.45	0.79
2:1i:122:VAL:HG23	2:2e:127:ASP:OD1	1.82	0.79
2:1i:223:ARG:HA	2:2e:226:ILE:HD12	1.62	0.79
2:5g:277:GLY:HA2	2:6k:247:LYS:HE3	1.64	0.79
2:5h:239:THR:N	2:7f:247:LYS:HB3	1.97	0.79
2:6j:226:ILE:HG21	2:5j:222:LEU:HB3	1.65	0.79
2:2l:214:PRO:CD	2:3m:225:MET:HG3	2.12	0.79
2:6m:247:LYS:CG	2:8u:277:GLY:O	2.29	0.79
2:6n:120:ILE:HD13	2:7p:120:ILE:HD13	1.63	0.79
2:8r:98:ALA:HA	2:8r:110:LEU:HB3	0.84	0.79
2:8t:8:ARG:HG2	2:8t:8:ARG:O	1.81	0.79
2:1s:263:VAL:HG11	2:3s:256:ALA:CB	2.13	0.79
2:2o:197:GLN:HE21	2:1x:201:VAL:HA	1.47	0.79
2:2o:247:LYS:N	2:1x:239:THR:CA	2.39	0.79
2:8y:247:LYS:N	2:9J:238:THR:O	2.15	0.79
2:1w:232:TYR:CD2	2:3w:232:TYR:HD2	2.00	0.79
2:2u:242:LEU:HB3	2:3v:244:GLY:HA3	0.80	0.79
2:3u:197:GLN:NE2	2:4m:200:LEU:O	2.14	0.79
2:7w:266:LEU:CA	2:9R:266:LEU:HD13	2.12	0.79
2:9M:175:PHE:HD1	2:9J:171:GLN:NE2	1.80	0.79
1:1C:443:SER:OG	2:1g:45:LYS:NZ	2.14	0.79
1:3L:448:ALA:HB2	2:3i:41:TYR:HE1	1.46	0.79
1:6H:448:ALA:HB3	2:6k:41:TYR:CE1	2.17	0.79
1:4Q:199:LYS:HG2	1:4Q:202:GLU:HG3	1.65	0.79
1:5Q:204:THR:HB	1:5Q:212:GLU:OE1	1.82	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4X:447:GLN:HG2	2:4l:44:VAL:CG1	2.12	0.79
1:4X:447:GLN:CG	2:4l:44:VAL:CG1	2.61	0.79
1:3a:362:LYS:HB2	1:3a:438:ARG:HH12	1.48	0.79
2:1f:223:ARG:HD2	2:3f:227:GLY:O	1.83	0.79
2:1g:232:TYR:CD2	2:3g:232:TYR:HD2	2.00	0.79
2:1h:73:VAL:HG13	2:1u:28:ILE:HB	1.65	0.79
2:6g:201:VAL:HA	2:7Z:197:GLN:NE2	1.98	0.79
2:6g:226:ILE:HB	2:7Z:222:LEU:CB	2.11	0.79
2:8g:259:VAL:CG1	2:8k:257:THR:O	2.22	0.79
2:6i:269:LEU:HD11	2:8o:273:LEU:CD1	2.12	0.79
2:6k:201:VAL:HA	2:7e:197:GLN:NE2	1.98	0.79
2:1n:234:LEU:CD2	2:3n:242:LEU:CB	2.60	0.79
2:1o:232:TYR:CD2	2:3o:232:TYR:HD2	2.00	0.79
2:1o:280:SER:CB	2:3o:250:ALA:N	2.45	0.79
2:2m:242:LEU:HD13	2:3t:243:GLY:HA2	1.65	0.79
2:2n:232:TYR:HD2	2:3s:232:TYR:CE2	1.87	0.79
2:7m:245:VAL:O	2:8v:237:ALA:HB2	1.83	0.79
2:7m:272:VAL:CG1	2:8v:279:ILE:CG2	2.60	0.79
2:8t:254:SER:O	2:8x:263:VAL:HG13	1.82	0.79
2:1s:279:ILE:CB	2:3s:272:VAL:HG11	2.12	0.79
2:1s:280:SER:CB	2:3s:250:ALA:N	2.45	0.79
2:2s:231:PRO:N	2:3w:229:GLY:HA3	1.97	0.79
2:4l:8:ARG:O	2:4l:8:ARG:HG2	1.81	0.79
2:6q:257:THR:O	2:9K:259:VAL:CG2	2.30	0.79
2:6t:267:ASN:ND2	2:9L:254:SER:O	2.16	0.79
2:8w:148[A]:ILE:HD13	2:9I:148[A]:ILE:HD13	1.63	0.79
2:9K:245:VAL:O	2:7v:242:LEU:CD2	2.29	0.79
2:1u:122:VAL:HG23	2:2t:127:ASP:OD1	1.82	0.79
2:1u:223:ARG:HA	2:2t:226:ILE:HD12	1.62	0.79
2:1v:234:LEU:CD2	2:3v:242:LEU:CB	2.60	0.79
2:1w:263:VAL:HG11	2:3w:256:ALA:CB	2.13	0.79
2:6u:8:ARG:HG2	2:6u:8:ARG:O	1.81	0.79
2:6u:251:VAL:HG22	2:9Q:270:ILE:CG1	2.13	0.79
2:7w:272:VAL:CG1	2:9R:279:ILE:CG2	2.60	0.79
1:4A:200:ILE:HD12	1:4A:213:PHE:HD1	1.44	0.79
1:4E:444:GLY:HA2	2:4e:45:LYS:HZ2	1.48	0.79
1:8G:444:GLY:HA3	2:8k:56:ASN:CG	2.07	0.79
1:8G:448:ALA:HB3	2:8k:57:MET:HA	1.64	0.79
1:8L:442:ALA:C	2:8m:45:LYS:HZ1	1.90	0.79
1:1Q:212:GLU:OE2	1:1R:374:ARG:HD3	1.81	0.79
1:5N:203:PRO:O	1:5N:204:THR:OG1	2.01	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1U:447:GLN:HG3	2:1s:60:LEU:HD12	1.62	0.79
1:6Z:447:GLN:HB2	2:6w:56:ASN:O	1.83	0.79
2:1g:183:PHE:CD2	2:3g:183:PHE:CE2	2.70	0.79
2:2b:236:ALA:H	2:3e:242:LEU:HD11	1.43	0.79
2:5e:98:ALA:HA	2:5e:110:LEU:HB3	0.84	0.79
2:6h:120:ILE:HD11	2:7c:120:ILE:HD11	1.60	0.79
2:7Z:41:TYR:CE1	2:7Z:55:VAL:HG13	2.15	0.79
2:7c:245:VAL:O	2:8j:237:ALA:HB2	1.83	0.79
2:2i:231:PRO:N	2:3o:229:GLY:HA3	1.97	0.79
2:5g:226:ILE:HD11	2:7e:226:ILE:HD12	1.65	0.79
2:7h:258:ASP:O	2:8p:259:VAL:HG11	1.83	0.79
2:8o:116:LYS:O	2:8o:118:ILE:CD1	2.29	0.79
2:1n:227:GLY:O	2:2k:223:ARG:HD3	1.81	0.79
2:2j:114:ARG:HD2	2:1t:114:ARG:HB2	1.63	0.79
2:2l:246:LYS:HB3	2:3m:239:THR:CA	2.12	0.79
2:2m:127:ASP:OD1	2:3t:122:VAL:N	2.15	0.79
2:5i:199:LEU:O	2:6o:188:THR:OG1	2.01	0.79
2:6o:206:VAL:CG2	2:7j:209:LEU:O	2.29	0.79
2:2r:242:LEU:HD13	2:3x:243:GLY:HA2	1.65	0.79
2:2s:28:ILE:CD1	2:1w:99:VAL:HG12	2.13	0.79
2:5l:239:THR:N	2:7p:247:LYS:HB3	1.97	0.79
2:6q:251:VAL:HG22	2:9K:270:ILE:CG1	2.13	0.79
2:6r:120:ILE:HD13	2:7u:120:ILE:HD13	1.63	0.79
2:8y:247:LYS:HE2	2:9J:280:SER:OG	1.81	0.79
2:1w:229:GLY:N	2:3w:231:PRO:HD3	1.97	0.79
2:1w:266:LEU:CD1	2:3w:266:LEU:N	2.44	0.79
2:2v:223:ARG:HH11	2:3u:227:GLY:C	1.89	0.79
2:3v:98:ALA:HA	2:3v:110:LEU:HB3	0.84	0.79
2:5m:97:TYR:O	2:5m:110:LEU:CB	2.22	0.79
2:5m:280:SER:N	2:6w:248:GLY:O	2.16	0.79
2:6u:257:THR:O	2:9Q:259:VAL:CG2	2.30	0.79
2:6x:98:ALA:HA	2:6x:110:LEU:HB3	0.84	0.79
2:9M:278:ILE:HG22	2:9J:278:ILE:CG1	1.89	0.79
2:9R:8:ARG:O	2:9R:8:ARG:HG2	1.81	0.79
1:6E:445:GLY:HA2	2:6f:44:VAL:CB	2.13	0.79
1:2K:28:GLN:HE22	2:1t:27:ILE:HD12	1.48	0.79
1:7L:447:GLN:NE2	2:7l:44:VAL:HG21	1.97	0.79
1:7M:355:SER:OG	1:7M:356:PRO:HD3	1.81	0.79
2:1e:226:ILE:O	2:1l:223:ARG:CG	2.31	0.79
2:2b:246:LYS:HB3	2:3e:239:THR:CA	2.12	0.79
2:2b:246:LYS:CD	2:3e:240:THR:CA	2.56	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:234:LEU:HD22	2:2w:241:THR:HG22	1.63	0.79
2:7c:246:LYS:HA	2:8j:237:ALA:HB1	1.65	0.79
2:8e:278:ILE:HG22	2:9F:278:ILE:CG1	1.89	0.79
2:8g:227:GLY:O	2:8k:231:PRO:CD	2.21	0.79
2:5g:97:TYR:O	2:5g:110:LEU:CB	2.22	0.79
2:5g:199:LEU:O	2:6k:188:THR:OG1	2.01	0.79
2:5g:280:SER:N	2:6k:248:GLY:O	2.16	0.79
2:6i:167:LYS:HB3	2:8o:174:LEU:O	1.83	0.79
2:8k:279:ILE:CG2	2:9G:272:VAL:HG12	2.12	0.79
2:1o:229:GLY:N	2:3o:231:PRO:HD3	1.97	0.79
2:2j:197:GLN:HE21	2:1t:201:VAL:HA	1.47	0.79
2:2n:231:PRO:N	2:3s:229:GLY:HA3	1.97	0.79
2:1q:116:LYS:O	2:1q:118:ILE:HD13	1.83	0.79
2:1r:223:ARG:HD2	2:3r:227:GLY:O	1.83	0.79
2:1r:242:LEU:CD2	2:2p:244:GLY:C	2.54	0.79
2:1s:279:ILE:HG21	2:3s:272:VAL:HG12	1.30	0.79
2:6q:167:LYS:HB3	2:9K:174:LEU:O	1.83	0.79
2:8w:232:TYR:HD1	2:9I:232:TYR:O	1.64	0.79
2:8w:279:ILE:CG2	2:9I:272:VAL:HG12	2.12	0.79
2:8y:197:GLN:CG	2:9J:200:LEU:O	2.31	0.79
2:1v:242:LEU:CD2	2:2u:244:GLY:C	2.54	0.79
2:6u:257:THR:C	2:9Q:259:VAL:HB	1.95	0.79
2:6w:203:ASN:ND2	2:7t:212:GLY:CA	2.45	0.79
2:7w:231:PRO:CA	2:9R:229:GLY:HA3	2.13	0.79
1:8D:446:ALA:HA	2:8i:44:VAL:HG23	1.65	0.79
1:3I:202:GLU:CD	1:3I:343:SER:HB2	2.05	0.79
1:4H:203:PRO:HA	1:4H:212:GLU:HG2	1.65	0.79
1:6L:447:GLN:CB	2:6i:56:ASN:HB2	2.13	0.79
1:9C:446:ALA:O	2:9H:55:VAL:HA	1.81	0.79
1:1W:212:GLU:OE2	1:1X:374:ARG:HD3	1.81	0.79
1:7T:28:GLN:HG2	2:5l:52:LEU:HD11	1.64	0.79
1:8b:448:ALA:HB3	2:9Q:41:TYR:HD2	1.48	0.79
2:1f:234:LEU:CD2	2:3f:242:LEU:CB	2.60	0.79
2:2a:242:LEU:HB3	2:3f:244:GLY:N	1.97	0.79
2:5e:280:SER:N	2:6g:248:GLY:O	2.16	0.79
2:5f:239:THR:HG22	2:7a:247:LYS:O	1.83	0.79
2:6g:242:LEU:HD11	2:7Z:236:ALA:H	1.44	0.79
2:8e:210:LEU:HD21	2:9F:210:LEU:HD21	1.65	0.79
2:1k:232:TYR:CD2	2:3k:232:TYR:HD2	2.00	0.79
2:2h:226:ILE:CD1	2:3p:223:ARG:HA	2.13	0.79
2:2h:242:LEU:HD13	2:3p:243:GLY:HA2	1.65	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:278:ILE:CD1	2:3o:278:ILE:O	2.29	0.79
2:5h:8:ARG:HG2	2:5h:8:ARG:O	1.81	0.79
2:8m:41:TYR:OH	2:8q:97:TYR:OH	1.70	0.79
2:2n:188:THR:OG1	2:3s:199:LEU:O	2.00	0.79
2:3p:97:TYR:O	2:3p:110:LEU:CB	2.22	0.79
2:6m:257:THR:O	2:8u:259:VAL:CG2	2.30	0.79
2:6n:273:LEU:HD21	2:7p:279:ILE:CG2	2.11	0.79
2:6o:279:ILE:CG2	2:7j:273:LEU:CD2	2.60	0.79
2:7m:167:LYS:HB3	2:8v:174:LEU:O	1.83	0.79
2:7m:246:LYS:HA	2:8v:237:ALA:HB1	1.65	0.79
2:1r:200:LEU:HD12	2:3r:200:LEU:HD22	1.62	0.79
2:1s:278:ILE:HG22	2:3s:278:ILE:CD1	2.13	0.79
2:2q:246:LYS:HB3	2:3q:239:THR:CA	2.12	0.79
2:2q:273:LEU:HD23	2:3q:279:ILE:HG22	1.64	0.79
2:6s:279:ILE:CG2	2:7o:273:LEU:CD2	2.60	0.79
2:1w:279:ILE:HG22	2:3w:272:VAL:HG13	1.64	0.79
2:5m:245:VAL:CA	2:7t:242:LEU:HD22	2.11	0.79
2:6u:167:LYS:HB3	2:9Q:174:LEU:O	1.83	0.79
2:6w:201:VAL:HA	2:7t:197:GLN:NE2	1.98	0.79
2:6w:279:ILE:CG2	2:7t:273:LEU:CD2	2.60	0.79
1:7C:445:GLY:H	2:7a:45:LYS:CE	1.95	0.79
1:1L:154:VAL:O	1:1L:154:VAL:HG12	1.82	0.79
1:5K:204:THR:HB	1:5K:212:GLU:OE1	1.82	0.79
1:7H:392:THR:OG1	2:7f:46:ASP:OD2	2.01	0.79
1:8Q:448:ALA:HB2	2:8t:41:TYR:CE1	2.18	0.79
1:2T:382:LYS:NZ	2:2s:101:GLU:OE2	2.16	0.79
1:7P:448:ALA:C	2:7s:60:LEU:HD12	2.07	0.79
1:1c:203:PRO:HB3	1:1c:210:LEU:HA	1.63	0.79
1:3b:443:SER:HG	2:3w:56:ASN:HD22	1.29	0.79
1:9E:28:GLN:NE2	2:8q:27:ILE:CD1	2.35	0.79
2:1e:242:LEU:CD2	2:1l:245:VAL:C	2.55	0.79
2:1g:229:GLY:N	2:3g:231:PRO:HD3	1.97	0.79
2:2Z:209:LEU:HD21	2:1l:209:LEU:HD22	1.65	0.79
2:2d:231:PRO:N	2:3k:229:GLY:HA3	1.97	0.79
2:5f:8:ARG:O	2:5f:8:ARG:HG2	1.81	0.79
2:6f:240:THR:O	2:5h:246:LYS:CE	2.29	0.79
2:9F:206:VAL:HG11	2:9O:210:LEU:HD23	0.79	0.79
2:1j:8:ARG:HG2	2:1j:8:ARG:O	1.81	0.79
2:1k:116:LYS:O	2:1k:118:ILE:HD13	1.83	0.79
2:2g:246:LYS:HB3	2:3i:239:THR:CA	2.12	0.79
2:2h:127:ASP:OD1	2:3p:122:VAL:N	2.15	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:244:GLY:HA2	2:9H:243:GLY:H	1.48	0.79
2:1m:28:ILE:HB	2:1t:73:VAL:HG13	1.65	0.79
2:2k:240:THR:HA	2:3n:246:LYS:CD	2.13	0.79
2:5i:259:VAL:CG1	2:6o:258:ASP:CA	2.58	0.79
2:6n:226:ILE:HG21	2:5l:222:LEU:HB3	1.65	0.79
2:6o:239:THR:CA	2:7j:247:LYS:N	2.40	0.79
2:8q:210:LEU:HD21	2:9H:210:LEU:HD21	1.65	0.79
2:8t:200:LEU:HD22	2:7s:200:LEU:CD1	2.13	0.79
2:8u:98:ALA:HA	2:8u:110:LEU:HB3	0.84	0.79
2:1q:122:VAL:HG23	2:2o:127:ASP:OD1	1.82	0.79
2:1t:8:ARG:HG2	2:1t:8:ARG:O	1.81	0.79
2:3t:97:TYR:O	2:3t:110:LEU:CB	2.22	0.79
2:3t:116:LYS:O	2:3t:118:ILE:HD13	1.83	0.79
2:6q:269:LEU:HD11	2:9K:273:LEU:CD1	2.12	0.79
2:6r:98:ALA:HA	2:6r:110:LEU:HB3	0.84	0.79
2:8z:254:SER:O	2:9N:263:VAL:HG13	1.82	0.79
2:9K:73:VAL:HG21	2:7v:26:ASP:O	1.83	0.79
2:6w:8:ARG:HG2	2:6w:8:ARG:O	1.81	0.79
1:1E:203:PRO:HB3	1:1E:210:LEU:HA	1.63	0.79
1:3C:362:LYS:HB2	1:3C:438:ARG:HH12	1.48	0.79
1:5B:203:PRO:O	1:5B:204:THR:OG1	2.01	0.79
1:7C:445:GLY:H	2:7a:45:LYS:HE3	1.47	0.79
1:8F:448:ALA:HB2	2:8g:57:MET:CE	2.12	0.79
1:1V:445:GLY:N	2:1t:44:VAL:CG2	2.46	0.79
1:2R:393:GLY:O	2:2p:15:ALA:CB	2.30	0.79
1:6c:446:ALA:H	2:6v:44:VAL:H	1.31	0.79
1:8d:443:SER:CA	2:9O:45:LYS:HZ2	1.76	0.79
2:1g:263:VAL:HG11	2:3g:256:ALA:CB	2.13	0.79
2:1h:243:GLY:HA2	2:2t:234:LEU:CD2	2.13	0.79
2:2a:227:GLY:HA3	2:3f:223:ARG:CZ	2.11	0.79
2:2c:242:LEU:CB	2:3l:234:LEU:HD11	2.13	0.79
2:3h:243:GLY:HA2	2:2w:242:LEU:HD13	1.65	0.79
2:5e:199:LEU:O	2:6g:188:THR:OG1	2.01	0.79
2:5f:222:LEU:HB3	2:6v:226:ILE:HG21	1.65	0.79
2:6e:257:THR:O	2:8i:259:VAL:CG2	2.30	0.79
2:1i:41:TYR:OH	2:1p:97:TYR:OH	1.98	0.79
2:2g:247:LYS:N	2:3i:239:THR:CA	2.46	0.79
2:2g:273:LEU:HD23	2:3i:279:ILE:HG22	1.64	0.79
2:6i:256:ALA:CB	2:8o:263:VAL:HG21	1.85	0.79
2:6j:239:THR:CA	2:5j:247:LYS:N	2.45	0.79
2:6j:246:LYS:CA	2:7k:238:THR:O	2.31	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:175:PHE:HD1	2:9G:171:GLN:NE2	1.80	0.79
2:8m:197:GLN:CG	2:9H:200:LEU:O	2.31	0.79
2:8o:73:VAL:HG21	2:7l:26:ASP:O	1.83	0.79
2:1n:223:ARG:HD2	2:3n:227:GLY:O	1.83	0.79
2:1o:98:ALA:HA	2:1o:110:LEU:HB3	0.84	0.79
2:1o:280:SER:N	2:3o:249:ALA:O	2.15	0.79
2:2k:201:VAL:HA	2:3n:197:GLN:NE2	1.97	0.79
2:2k:242:LEU:HB3	2:3n:244:GLY:N	1.97	0.79
2:3n:98:ALA:HA	2:3n:110:LEU:HB3	0.84	0.79
2:7m:278:ILE:HD13	2:8v:278:ILE:HG22	1.64	0.79
2:8s:210:LEU:HD23	2:9l:206:VAL:HG11	0.79	0.79
2:1q:28:ILE:HB	2:1x:73:VAL:CG1	2.13	0.79
2:1r:234:LEU:CD2	2:3r:242:LEU:CB	2.60	0.79
2:2o:244:GLY:O	2:1x:242:LEU:HD22	1.83	0.79
2:6r:97:TYR:O	2:6r:110:LEU:CB	2.22	0.79
2:6r:242:LEU:CB	2:5n:244:GLY:HA3	2.12	0.79
2:8x:116:LYS:O	2:8x:118:ILE:HD13	1.83	0.79
2:1u:234:LEU:CD2	2:2t:242:LEU:CB	2.48	0.79
2:4m:98:ALA:HA	2:4m:110:LEU:HB3	0.84	0.79
2:7w:246:LYS:HA	2:9R:237:ALA:HB1	1.65	0.79
1:2A:444:GLY:HA3	2:2c:45:LYS:HE3	1.63	0.78
1:8B:448:ALA:HB2	2:8f:41:TYR:HD2	1.47	0.78
1:4K:199:LYS:HG2	1:4K:202:GLU:HG3	1.65	0.78
1:8L:446:ALA:CB	2:8m:30:ILE:HD13	2.13	0.78
1:8O:444:GLY:O	2:8v:44:VAL:HG21	1.81	0.78
1:5X:448:ALA:HA	2:5l:41:TYR:CD1	2.17	0.78
1:7U:448:ALA:O	2:7x:60:LEU:CG	2.31	0.78
2:2Z:234:LEU:CD2	2:1l:243:GLY:HA2	2.13	0.78
2:2a:239:THR:HG22	2:3f:247:LYS:CA	2.00	0.78
2:3g:8:ARG:HG2	2:3g:8:ARG:O	1.81	0.78
2:5e:116:LYS:O	2:5e:118:ILE:HD13	1.83	0.78
2:5f:210:LEU:HD23	2:6v:206:VAL:CG1	2.13	0.78
2:6f:111:VAL:HG22	2:7f:57:MET:CE	2.11	0.78
2:7c:167:LYS:HB3	2:8j:174:LEU:O	1.83	0.78
2:8g:244:GLY:HA2	2:9G:243:GLY:H	1.48	0.78
2:1j:210:LEU:HD23	2:3j:206:VAL:HG11	1.64	0.78
2:2f:240:THR:HA	2:3j:246:LYS:CD	2.13	0.78
2:5g:259:VAL:CG1	2:6k:258:ASP:O	2.30	0.78
2:6l:267:ASN:ND2	2:8p:254:SER:O	2.16	0.78
2:7h:167:LYS:HB3	2:8p:174:LEU:O	1.83	0.78
2:8k:279:ILE:C	2:9G:248:GLY:N	2.39	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:226:ILE:O	2:1t:223:ARG:CG	2.31	0.78
2:2k:227:GLY:HA3	2:3n:223:ARG:CZ	2.11	0.78
2:6o:201:VAL:HA	2:7j:197:GLN:NE2	1.98	0.78
2:8q:232:TYR:HB3	2:9H:232:TYR:CB	2.12	0.78
2:8s:247:LYS:N	2:9I:238:THR:O	2.15	0.78
2:2q:57:MET:CE	2:4k:111:VAL:CG2	2.58	0.78
2:2q:214:PRO:CD	2:3q:225:MET:HG3	2.12	0.78
2:2q:247:LYS:N	2:3q:239:THR:CA	2.45	0.78
2:2s:262:ALA:HB1	2:3w:263:VAL:CG2	2.13	0.78
2:5k:116:LYS:O	2:5k:118:ILE:HD13	1.83	0.78
2:7r:246:LYS:HA	2:9L:237:ALA:HB1	1.65	0.78
2:1w:278:ILE:HG22	2:3w:278:ILE:CD1	2.13	0.78
2:6x:267:ASN:ND2	2:9R:254:SER:O	2.16	0.78
2:7w:245:VAL:O	2:9R:237:ALA:HB2	1.83	0.78
1:5F:447:GLN:HG2	2:5f:44:VAL:CG1	2.13	0.78
1:8D:444:GLY:C	2:8i:45:LYS:HD2	2.08	0.78
1:1G:445:GLY:HA2	2:1i:44:VAL:HB	1.66	0.78
1:7H:443:SER:C	2:7f:45:LYS:NZ	2.41	0.78
1:8H:228:GLN:OE1	1:8H:228:GLN:N	2.14	0.78
1:3N:354:VAL:HG12	1:3N:354:VAL:O	1.82	0.78
1:5R:443:SER:HA	2:5j:45:LYS:CD	2.13	0.78
1:3U:448:ALA:HB3	2:3t:41:TYR:HD2	1.46	0.78
2:1g:99:VAL:HG12	2:2x:28:ILE:CD1	2.13	0.78
2:1h:279:ILE:HG22	2:2t:273:LEU:CD2	2.12	0.78
2:3g:229:GLY:HA3	2:2x:231:PRO:N	1.97	0.78
2:3h:97:TYR:O	2:3h:110:LEU:CB	2.22	0.78
2:3h:234:LEU:HD11	2:2w:242:LEU:CB	2.13	0.78
2:6f:126:LYS:HG3	2:5h:119:SER:HB3	1.64	0.78
2:8e:232:TYR:HB3	2:9F:232:TYR:CB	2.12	0.78
2:1k:266:LEU:HD13	2:3k:266:LEU:HA	0.78	0.78
2:2e:246:LYS:HD3	2:1p:240:THR:CA	2.13	0.78
2:2i:262:ALA:HB1	2:3o:263:VAL:CG2	2.13	0.78
2:4g:98:ALA:HA	2:4g:110:LEU:HB3	0.84	0.78
2:6j:239:THR:CG2	2:5j:247:LYS:C	2.50	0.78
2:8m:259:VAL:CB	2:8q:257:THR:O	2.30	0.78
2:1o:263:VAL:HG11	2:3o:256:ALA:CB	2.13	0.78
2:2j:246:LYS:HD3	2:1t:240:THR:CA	2.13	0.78
2:2n:244:GLY:HA3	2:3s:243:GLY:O	1.79	0.78
2:2n:262:ALA:HB1	2:3s:263:VAL:CG2	2.13	0.78
2:5i:259:VAL:HG21	2:6o:259:VAL:N	1.99	0.78
2:7m:231:PRO:CA	2:8v:229:GLY:HA3	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:245:VAL:HG11	2:3s:245:VAL:CG2	2.10	0.78
2:2o:247:LYS:HB3	2:1x:239:THR:CG2	2.05	0.78
2:2p:240:THR:HA	2:3r:246:LYS:CD	2.13	0.78
2:2p:242:LEU:HB3	2:3r:244:GLY:N	1.97	0.78
2:6q:61:ALA:HB3	2:9K:57:MET:HB3	1.63	0.78
2:7r:231:PRO:CA	2:9L:229:GLY:HA3	2.13	0.78
2:7r:258:ASP:O	2:9L:259:VAL:HG11	1.83	0.78
2:8w:240:THR:CA	2:9I:246:LYS:NZ	2.40	0.78
2:1w:226:ILE:HA	2:3w:219:LYS:HE3	1.66	0.78
2:7w:167:LYS:HB3	2:9R:174:LEU:O	1.83	0.78
1:7B:448:ALA:O	2:7b:58:TYR:O	2.00	0.78
1:5L:446:ALA:CB	2:5h:56:ASN:HB2	2.13	0.78
1:6L:447:GLN:HA	2:6i:56:ASN:CA	2.12	0.78
1:7G:444:GLY:CA	2:7g:45:LYS:NZ	2.46	0.78
1:2N:397:THR:HA	2:2j:107:LEU:HB2	1.65	0.78
1:3U:444:GLY:O	2:3t:45:LYS:HD2	1.82	0.78
1:3X:448:ALA:O	2:3q:63:TRP:NE1	2.17	0.78
1:4W:392:THR:CG2	2:4k:16:TYR:CD1	2.66	0.78
1:6X:445:GLY:O	2:6q:44:VAL:CB	2.30	0.78
1:7R:392:THR:N	2:7p:46:ASP:OD2	2.16	0.78
1:7T:25:ARG:HH12	2:5l:51:ASP:CG	1.90	0.78
2:1f:210:LEU:HD23	2:3f:206:VAL:HG11	1.64	0.78
2:2Z:197:GLN:HE21	2:1l:201:VAL:HA	1.47	0.78
2:4e:116:LYS:O	2:4e:118:ILE:HD13	1.83	0.78
2:6h:259:VAL:HG11	2:8j:258:ASP:N	1.99	0.78
2:7b:26:ASP:O	2:9Q:73:VAL:HG21	1.83	0.78
2:8i:73:VAL:HG21	2:7g:26:ASP:O	1.83	0.78
2:8j:8:ARG:HG2	2:8j:8:ARG:O	1.81	0.78
2:9F:232:TYR:CE1	2:9O:232:TYR:CD2	2.71	0.78
2:1i:97:TYR:O	2:1i:110:LEU:CB	2.22	0.78
2:1j:223:ARG:HD2	2:3j:227:GLY:O	1.83	0.78
2:1j:242:LEU:CD2	2:2f:244:GLY:C	2.54	0.78
2:1k:263:VAL:HG11	2:3k:256:ALA:CB	2.13	0.78
2:2f:242:LEU:HB3	2:3j:244:GLY:N	1.97	0.78
2:6i:257:THR:O	2:8o:259:VAL:CG2	2.30	0.78
2:8m:227:GLY:O	2:8q:231:PRO:CD	2.21	0.78
2:8m:232:TYR:CD2	2:9H:232:TYR:CE1	2.71	0.78
2:1m:97:TYR:O	2:1m:110:LEU:CB	2.22	0.78
2:1m:242:LEU:CD2	2:1t:245:VAL:C	2.55	0.78
2:1n:200:LEU:HD12	2:3n:200:LEU:HD22	1.61	0.78
2:5i:116:LYS:O	2:5i:118:ILE:HD13	1.83	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:228:ALA:HA	2:4k:229:GLY:O	1.84	0.78
2:3q:273:LEU:HD21	2:4k:279:ILE:HG23	1.66	0.78
2:5l:116:LYS:HE3	2:5l:116:LYS:CA	2.14	0.78
2:6r:116:LYS:O	2:6r:118:ILE:HD13	1.83	0.78
2:6s:201:VAL:HA	2:7o:197:GLN:NE2	1.98	0.78
2:1w:116:LYS:O	2:1w:118:ILE:HD13	1.83	0.78
2:3u:210:LEU:HA	2:4m:206:VAL:HG11	1.65	0.78
2:3u:273:LEU:HD21	2:4m:279:ILE:HG23	1.66	0.78
2:6u:61:ALA:HB3	2:9Q:57:MET:HB3	1.63	0.78
2:6x:116:LYS:O	2:6x:118:ILE:HD13	1.83	0.78
2:6x:259:VAL:HG11	2:9R:258:ASP:N	1.99	0.78
1:4F:448:ALA:HB2	2:4f:41:TYR:HD1	0.90	0.78
1:9A:392:THR:HG23	2:9F:46:ASP:CG	2.07	0.78
1:5L:447:GLN:HE21	2:5h:44:VAL:HG11	1.47	0.78
1:8L:447:GLN:CD	2:8m:44:VAL:HG22	2.09	0.78
1:6R:444:GLY:C	2:6m:44:VAL:CG2	2.56	0.78
1:6R:447:GLN:HE22	2:6m:56:ASN:ND2	1.62	0.78
1:1X:154:VAL:O	1:1X:154:VAL:HG12	1.82	0.78
1:4Z:203:PRO:HA	1:4Z:212:GLU:HG2	1.65	0.78
1:6Z:447:GLN:O	2:6w:41:TYR:HD1	1.66	0.78
1:7U:447:GLN:CA	2:7x:41:TYR:HE1	1.92	0.78
2:1e:183:PHE:CE1	2:2Z:199:LEU:HD13	2.19	0.78
2:1g:266:LEU:CD1	2:3g:266:LEU:N	2.44	0.78
2:2a:242:LEU:HB3	2:3f:244:GLY:HA3	0.80	0.78
2:6e:251:VAL:HG22	2:8i:270:ILE:CG1	2.13	0.78
2:8h:200:LEU:HD22	2:7i:200:LEU:CD1	2.12	0.78
2:1i:116:LYS:O	2:1i:118:ILE:HD13	1.83	0.78
2:1k:273:LEU:CD1	2:3k:269:LEU:CD1	2.40	0.78
2:2e:244:GLY:O	2:1p:242:LEU:HD22	1.84	0.78
2:6i:254:SER:C	2:8o:267:ASN:ND2	2.39	0.78
2:6i:257:THR:HA	2:8o:259:VAL:CG1	2.12	0.78
2:6l:116:LYS:O	2:6l:118:ILE:HD13	1.83	0.78
2:8k:174:LEU:HD23	2:9G:170:LEU:CD1	2.12	0.78
2:2l:247:LYS:N	2:3m:239:THR:CA	2.46	0.78
2:2m:226:ILE:CD1	2:3t:223:ARG:HA	2.13	0.78
2:2n:28:ILE:CD1	2:1s:99:VAL:HG12	2.13	0.78
2:5i:277:GLY:HA2	2:6o:247:LYS:HE3	1.64	0.78
2:6n:116:LYS:O	2:6n:118:ILE:HD13	1.83	0.78
2:6o:206:VAL:HG11	2:7j:210:LEU:CD2	2.10	0.78
2:1q:226:ILE:O	2:1x:223:ARG:CG	2.31	0.78
2:1s:266:LEU:HD13	2:3s:266:LEU:HA	0.78	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:98:ALA:HA	2:5k:110:LEU:HB3	0.84	0.78
2:6r:111:VAL:HG22	2:7u:57:MET:CE	2.11	0.78
2:6r:126:LYS:HG3	2:5n:119:SER:HB3	1.64	0.78
2:6r:235:PRO:C	2:7u:242:LEU:HD13	2.09	0.78
2:6s:116:LYS:HE3	2:6s:116:LYS:CA	2.14	0.78
2:8w:180:VAL:HG11	2:9l:184:LEU:O	1.84	0.78
2:8z:200:LEU:HD22	2:7x:200:LEU:CD1	2.12	0.78
2:1u:116:LYS:O	2:1u:118:ILE:HD13	1.83	0.78
2:4n:8:ARG:O	2:4n:8:ARG:HG2	1.81	0.78
1:3C:447:GLN:CG	2:3h:44:VAL:HG22	2.12	0.78
1:1l:444:GLY:HA2	2:1k:45:LYS:CE	2.12	0.78
1:4P:202:GLU:HG2	1:4P:343:SER:HB2	1.66	0.78
1:7M:394:THR:H	2:7k:16:TYR:HE1	1.30	0.78
1:1S:446:ALA:CA	2:1q:42:VAL:O	2.31	0.78
1:7P:26:ASN:CA	2:6s:52:LEU:HD12	2.06	0.78
1:7X:446:ALA:HB1	2:7t:41:TYR:CD2	2.17	0.78
2:1e:116:LYS:O	2:1e:118:ILE:HD13	1.83	0.78
2:1g:280:SER:CB	2:3g:250:ALA:N	2.45	0.78
2:1h:223:ARG:CG	2:1u:226:ILE:O	2.31	0.78
2:2b:273:LEU:HD23	2:3e:279:ILE:HG22	1.64	0.78
2:2c:59:PRO:HG3	2:3l:59:PRO:O	1.83	0.78
2:3e:244:GLY:CA	2:4e:243:GLY:O	2.32	0.78
2:4f:97:TYR:OH	2:3l:41:TYR:OH	1.96	0.78
2:6g:8:ARG:O	2:6g:8:ARG:HG2	1.81	0.78
2:6h:116:LYS:O	2:6h:118:ILE:HD13	1.84	0.78
2:8g:197:GLN:CG	2:9G:200:LEU:O	2.31	0.78
2:9F:240:THR:C	2:9O:246:LYS:HG2	2.09	0.78
2:1j:234:LEU:CD2	2:3j:242:LEU:CB	2.60	0.78
2:2e:200:LEU:HD13	2:1p:200:LEU:HD13	1.63	0.78
2:2e:209:LEU:HD21	2:1p:209:LEU:HD22	1.65	0.78
2:2f:201:VAL:HA	2:3j:197:GLN:NE2	1.97	0.78
2:2i:188:THR:OG1	2:3o:199:LEU:O	2.00	0.78
2:3j:98:ALA:HA	2:3j:110:LEU:HB3	0.84	0.78
2:6j:111:VAL:HG22	2:7k:57:MET:CE	2.11	0.78
2:6k:240:THR:HA	2:7e:246:LYS:CD	2.10	0.78
2:7h:272:VAL:HG12	2:8p:279:ILE:CG2	2.14	0.78
2:1m:183:PHE:CE1	2:2j:199:LEU:HD13	2.19	0.78
2:1o:278:ILE:HG22	2:3o:278:ILE:CD1	2.13	0.78
2:2j:244:GLY:HA3	2:1t:243:GLY:H	1.42	0.78
2:2m:199:LEU:HB3	2:3t:183:PHE:HD1	0.97	0.78
2:2m:242:LEU:CB	2:3t:234:LEU:HD11	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5j:239:THR:HG22	2:7k:247:LYS:O	1.83	0.78
2:6n:246:LYS:CA	2:7p:238:THR:O	2.31	0.78
2:8s:197:GLN:CG	2:9I:200:LEU:O	2.31	0.78
2:8u:116:LYS:O	2:8u:118:ILE:HD13	1.84	0.78
2:1s:280:SER:N	2:3s:249:ALA:O	2.15	0.78
2:2o:209:LEU:O	2:1x:206:VAL:CG2	2.32	0.78
2:2r:242:LEU:CB	2:3x:234:LEU:HD11	2.13	0.78
2:2s:148[B]:ILE:CD1	2:1w:148[B]:ILE:HD11	2.14	0.78
2:3q:118:ILE:CG1	2:3q:120:ILE:HG23	2.14	0.78
2:5k:266:LEU:HD23	2:6s:265:ASP:HB2	1.65	0.78
2:5k:280:SER:N	2:6s:248:GLY:O	2.16	0.78
2:6q:254:SER:C	2:9K:267:ASN:ND2	2.39	0.78
2:6r:206:VAL:CG1	2:5n:210:LEU:HD23	2.13	0.78
2:8y:209:LEU:O	2:9J:206:VAL:CG2	2.31	0.78
2:1w:269:LEU:CD2	2:3w:269:LEU:CD2	2.57	0.78
2:3u:116:LYS:HE3	2:3u:116:LYS:CA	2.14	0.78
2:5n:116:LYS:HE3	2:5n:116:LYS:CA	2.14	0.78
2:9M:174:LEU:HD23	2:9J:170:LEU:CD1	2.12	0.78
2:9Q:116:LYS:O	2:9Q:118:ILE:HD13	1.83	0.78
1:7C:447:GLN:O	2:7a:41:TYR:CE1	2.36	0.78
1:8A:444:GLY:HA3	2:8e:56:ASN:CG	2.08	0.78
1:8F:445:GLY:O	2:8g:44:VAL:CG2	2.32	0.78
1:3I:443:SER:C	2:3l:45:LYS:HZ2	1.91	0.78
1:5L:446:ALA:C	2:5h:56:ASN:HB2	2.08	0.78
1:7L:447:GLN:HE21	2:7l:44:VAL:CG2	1.97	0.78
1:4W:199:LYS:HG2	1:4W:202:GLU:HG3	1.65	0.78
1:6T:443:SER:HA	2:6s:56:ASN:HD22	1.25	0.78
1:6d:446:ALA:HA	2:6u:44:VAL:HG13	1.64	0.78
1:9E:448:ALA:C	2:9J:41:TYR:HD1	1.90	0.78
2:1g:266:LEU:HD13	2:3g:266:LEU:HA	0.78	0.78
2:1h:239:THR:CG2	2:2t:247:LYS:HB3	2.05	0.78
2:1h:242:LEU:HD22	2:2t:244:GLY:O	1.84	0.78
2:2c:226:ILE:CD1	2:3l:223:ARG:HA	2.13	0.78
2:2d:262:ALA:HB1	2:3k:263:VAL:CG2	2.13	0.78
2:3h:175:PHE:CZ	2:2w:175:PHE:CE1	2.72	0.78
2:6g:150:GLU:CD	2:7Z:141:PRO:HB2	2.09	0.78
2:7d:223:ARG:CD	2:9P:227:GLY:O	2.32	0.78
2:8e:278:ILE:CG2	2:9F:278:ILE:HG23	2.03	0.78
2:8g:246:LYS:HG2	2:9G:240:THR:C	2.09	0.78
2:1i:28:ILE:HB	2:1p:73:VAL:CG1	2.13	0.78
2:1i:98:ALA:HA	2:1i:110:LEU:HB3	0.84	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:280:SER:CB	2:3k:250:ALA:N	2.45	0.78
2:5g:259:VAL:HG13	2:6k:258:ASP:O	1.84	0.78
2:6i:251:VAL:HG22	2:8o:270:ILE:CG1	2.13	0.78
2:8k:118:ILE:CG1	2:8k:120:ILE:HG23	2.14	0.78
2:8k:174:LEU:HD13	2:9G:174:LEU:CD1	2.14	0.78
2:8n:227:GLY:O	2:7n:223:ARG:CD	2.32	0.78
2:1o:266:LEU:HD13	2:3o:266:LEU:HA	0.78	0.78
2:1o:270:ILE:CG2	2:3o:251:VAL:HG21	2.13	0.78
2:1o:279:ILE:HG21	2:3o:272:VAL:HG12	1.30	0.78
2:2j:214:PRO:HG2	2:1t:225:MET:O	1.81	0.78
2:2n:148[B]:ILE:CD1	2:1s:148[B]:ILE:HD11	2.14	0.78
2:5i:280:SER:N	2:6o:248:GLY:O	2.16	0.78
2:6p:259:VAL:HG11	2:8v:258:ASP:N	1.99	0.78
2:8q:118:ILE:CG1	2:8q:120:ILE:HG23	2.14	0.78
2:8q:199:LEU:CD2	2:9H:186:ALA:C	2.57	0.78
2:8s:232:TYR:CD2	2:9I:232:TYR:CE1	2.72	0.78
2:1q:226:ILE:HG12	2:2o:226:ILE:HD12	1.63	0.78
2:1q:242:LEU:CD2	2:1x:245:VAL:C	2.55	0.78
2:3s:118:ILE:CG1	2:3s:120:ILE:HG23	2.14	0.78
2:6q:269:LEU:HD23	2:9K:269:LEU:HD23	1.58	0.78
2:6r:240:THR:O	2:5n:246:LYS:CE	2.28	0.78
2:7r:245:VAL:O	2:9L:237:ALA:HB2	1.82	0.78
2:8y:120:ILE:HD13	2:9J:120:ILE:HD13	1.63	0.78
2:8y:246:LYS:HG2	2:9J:240:THR:C	2.09	0.78
2:1u:183:PHE:CE1	2:2t:199:LEU:HD13	2.19	0.78
2:1w:266:LEU:HD13	2:3w:266:LEU:HA	0.78	0.78
2:2v:236:ALA:CA	2:3u:242:LEU:HD21	2.13	0.78
2:3w:8:ARG:O	2:3w:8:ARG:HG2	1.81	0.78
2:9P:116:LYS:HE3	2:9P:116:LYS:CA	2.14	0.78
1:3C:202:GLU:CD	1:3C:343:SER:HB2	2.05	0.78
1:3I:447:GLN:NE2	2:3l:56:ASN:ND2	2.24	0.78
1:8P:448:ALA:HB2	2:8u:41:TYR:HD2	1.26	0.78
1:4S:200:ILE:HG22	1:4S:216:LYS:CD	2.14	0.78
1:7T:25:ARG:HH22	2:5l:51:ASP:CG	1.90	0.78
2:1f:200:LEU:HD12	2:3f:200:LEU:HD22	1.61	0.78
2:2b:200:LEU:CD1	2:3e:200:LEU:CD1	2.60	0.78
2:3e:8:ARG:O	2:3e:8:ARG:HG2	1.81	0.78
2:3e:210:LEU:HA	2:4e:206:VAL:HG11	1.65	0.78
2:5e:259:VAL:HG13	2:6g:258:ASP:O	1.84	0.78
2:5e:277:GLY:HA2	2:6g:247:LYS:HE3	1.64	0.78
2:5f:116:LYS:HE3	2:5f:116:LYS:CA	2.14	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:167:LYS:HB3	2:8i:174:LEU:O	1.83	0.78
2:7c:231:PRO:CA	2:8j:229:GLY:HA3	2.13	0.78
2:7d:200:LEU:CD1	2:9P:200:LEU:HD22	2.13	0.78
2:8e:200:LEU:HA	2:9F:193:LYS:HG2	1.66	0.78
2:8h:118:ILE:CG1	2:8h:120:ILE:HG23	2.14	0.78
2:1i:28:ILE:HB	2:1p:73:VAL:HG13	1.65	0.78
2:2g:200:LEU:CD1	2:3i:200:LEU:CD1	2.60	0.78
2:3k:118:ILE:CG1	2:3k:120:ILE:HG23	2.14	0.78
2:4h:97:TYR:HH	2:3p:41:TYR:HH	1.22	0.78
2:5g:266:LEU:HD23	2:6k:265:ASP:HB2	1.64	0.78
2:7h:231:PRO:CA	2:8p:229:GLY:HA3	2.13	0.78
2:1n:118:ILE:CG1	2:1n:120:ILE:HG23	2.14	0.78
2:2l:228:ALA:HA	2:4i:229:GLY:O	1.84	0.78
2:2l:273:LEU:HD23	2:3m:279:ILE:HG22	1.64	0.78
2:3p:116:LYS:O	2:3p:118:ILE:HD13	1.83	0.78
2:5i:226:ILE:HD11	2:7j:226:ILE:HD12	1.65	0.78
2:6o:150:GLU:CD	2:7j:141:PRO:HB2	2.09	0.78
2:7m:258:ASP:O	2:8v:259:VAL:HG11	1.83	0.78
2:8q:180:VAL:HG11	2:9H:184:LEU:O	1.84	0.78
2:8r:116:LYS:O	2:8r:118:ILE:HD13	1.84	0.78
2:8s:210:LEU:HA	2:9I:206:VAL:HG11	1.65	0.78
2:8s:244:GLY:HA2	2:9I:243:GLY:H	1.48	0.78
2:8t:242:LEU:CD2	2:7s:244:GLY:CA	2.49	0.78
2:1r:210:LEU:HD23	2:3r:206:VAL:HG11	1.64	0.78
2:2o:222:LEU:HB2	2:1x:226:ILE:HB	1.66	0.78
2:5l:239:THR:HG22	2:7p:247:LYS:O	1.83	0.78
2:6q:118:ILE:CG1	2:6q:120:ILE:HG23	2.14	0.78
2:6r:246:LYS:CA	2:7u:238:THR:O	2.31	0.78
2:6t:116:LYS:O	2:6t:118:ILE:HD13	1.83	0.78
2:7r:231:PRO:HA	2:9L:229:GLY:HA3	1.66	0.78
2:8w:118:ILE:CG1	2:8w:120:ILE:HG23	2.14	0.78
2:8y:174:LEU:HD11	2:9J:174:LEU:HD22	1.66	0.78
2:1v:210:LEU:HD23	2:3v:206:VAL:HG11	1.64	0.78
2:3u:244:GLY:CA	2:4m:243:GLY:O	2.32	0.78
2:5m:226:ILE:HD11	2:7t:226:ILE:HD12	1.65	0.78
2:9N:116:LYS:O	2:9N:118:ILE:HD13	1.84	0.78
2:9O:116:LYS:O	2:9O:118:ILE:HD13	1.84	0.78
1:1F:154:VAL:O	1:1F:154:VAL:HG12	1.82	0.78
1:6A:448:ALA:CB	2:6h:41:TYR:HD2	1.96	0.78
1:3I:362:LYS:HB2	1:3I:438:ARG:HH12	1.48	0.78
1:1N:448:ALA:HB3	2:1n:41:TYR:HE1	1.43	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1R:154:VAL:HG12	1:1R:154:VAL:O	1.82	0.78
1:6Q:202:GLU:C	1:6Q:209:ALA:HB1	2.05	0.78
1:7O:28:GLN:HG3	2:5j:52:LEU:HD11	1.63	0.78
1:6X:448:ALA:HB3	2:6q:60:LEU:CD1	2.13	0.78
1:8W:448:ALA:C	2:8z:60:LEU:HD12	2.08	0.78
1:9D:392:THR:HG23	2:9I:46:ASP:CB	2.10	0.78
1:3a:202:GLU:CD	1:3a:343:SER:HB2	2.05	0.78
1:4d:443:SER:HA	2:4n:56:ASN:ND2	1.99	0.78
2:1f:116:LYS:HE3	2:1f:116:LYS:CA	2.14	0.78
2:6f:246:LYS:CA	2:7f:238:THR:O	2.31	0.78
2:8e:118:ILE:CG1	2:8e:120:ILE:HG23	2.14	0.78
2:8g:98:ALA:HA	2:8g:110:LEU:HB3	0.84	0.78
2:1k:266:LEU:CD1	2:3k:266:LEU:N	2.44	0.78
2:2h:242:LEU:CB	2:3p:234:LEU:HD11	2.13	0.78
2:4g:116:LYS:O	2:4g:118:ILE:HD13	1.83	0.78
2:5g:259:VAL:HG21	2:6k:259:VAL:N	1.99	0.78
2:6k:116:LYS:HE3	2:6k:116:LYS:CA	2.14	0.78
2:8l:116:LYS:O	2:8l:118:ILE:HD13	1.83	0.78
2:8m:210:LEU:HA	2:9H:206:VAL:HG11	1.65	0.78
2:8n:116:LYS:HE3	2:8n:116:LYS:CA	2.14	0.78
2:8n:200:LEU:HD22	2:7n:200:LEU:CD1	2.12	0.78
2:1m:98:ALA:HA	2:1m:110:LEU:HB3	0.84	0.78
2:4i:97:TYR:O	2:4i:110:LEU:CB	2.22	0.78
2:4j:116:LYS:HE3	2:4j:116:LYS:CA	2.14	0.78
2:5i:148[B]:ILE:HD12	2:6o:148[B]:ILE:HD11	1.63	0.78
2:5j:116:LYS:HE3	2:5j:116:LYS:CA	2.14	0.78
2:5j:280:SER:OG	2:7k:247:LYS:HE2	1.84	0.78
2:8s:116:LYS:O	2:8s:118:ILE:HD13	1.83	0.78
2:8s:246:LYS:HG2	2:9I:240:THR:C	2.09	0.78
2:8u:73:VAL:HG21	2:7q:26:ASP:O	1.83	0.78
2:1t:118:ILE:CG1	2:1t:120:ILE:HG23	2.14	0.78
2:2s:188:THR:OG1	2:3w:199:LEU:O	2.00	0.78
2:5k:199:LEU:O	2:6s:188:THR:OG1	2.01	0.78
2:8w:116:LYS:HE3	2:8w:116:LYS:CA	2.14	0.78
2:8y:116:LYS:O	2:8y:118:ILE:HD13	1.84	0.78
2:8y:232:TYR:CD2	2:9J:232:TYR:CE1	2.72	0.78
2:1v:116:LYS:HE3	2:1v:116:LYS:CA	2.14	0.78
2:5m:259:VAL:HG21	2:6w:259:VAL:N	1.99	0.78
2:6w:116:LYS:HE3	2:6w:116:LYS:CA	2.14	0.78
2:9M:174:LEU:HD13	2:9J:174:LEU:CD1	2.14	0.78
2:9M:210:LEU:HD21	2:9J:210:LEU:HD21	1.65	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3U:362:LYS:HB2	1:3U:438:ARG:HH12	1.48	0.78
1:7U:26:ASN:HA	2:6w:52:LEU:HD12	1.63	0.78
2:2Z:200:LEU:HD13	2:1l:200:LEU:HD13	1.64	0.78
2:2Z:247:LYS:N	2:1l:238:THR:C	2.42	0.78
2:2c:175:PHE:CE1	2:3l:175:PHE:CZ	2.72	0.78
2:3g:243:GLY:O	2:2x:244:GLY:HA3	1.79	0.78
2:6e:118:ILE:CG1	2:6e:120:ILE:HG23	2.14	0.78
2:6f:116:LYS:O	2:6f:118:ILE:HD13	1.83	0.78
2:6f:242:LEU:CB	2:5h:244:GLY:HA3	2.12	0.78
2:6g:116:LYS:HE3	2:6g:116:LYS:CA	2.14	0.78
2:1i:183:PHE:CE1	2:2e:199:LEU:HD13	2.19	0.78
2:1k:279:ILE:HG22	2:3k:272:VAL:HG13	1.64	0.78
2:2e:234:LEU:CD2	2:1p:243:GLY:HA2	2.14	0.78
2:2h:59:PRO:HG3	2:3p:59:PRO:O	1.83	0.78
2:6j:235:PRO:C	2:7k:242:LEU:HD13	2.08	0.78
2:1p:116:LYS:HE3	2:1p:116:LYS:CA	2.14	0.78
2:6o:116:LYS:HE3	2:6o:116:LYS:CA	2.14	0.78
2:8q:148[A]:ILE:HD13	2:9H:148[A]:ILE:HD13	1.64	0.78
2:2o:200:LEU:HD13	2:1x:200:LEU:HD13	1.63	0.78
2:6r:226:ILE:HG21	2:5n:222:LEU:HB3	1.65	0.78
2:7r:167:LYS:HB3	2:9L:174:LEU:O	1.83	0.78
2:2u:226:ILE:CB	2:3v:222:LEU:HB2	2.14	0.78
2:2v:200:LEU:CD1	2:3u:200:LEU:CD1	2.60	0.78
2:6v:116:LYS:O	2:6v:118:ILE:HD13	1.83	0.78
2:6w:150:GLU:CD	2:7t:141:PRO:HB2	2.09	0.78
2:7w:231:PRO:HA	2:9R:229:GLY:HA3	1.66	0.78
2:7w:254:SER:O	2:9R:267:ASN:ND2	2.17	0.78
2:9R:116:LYS:HE3	2:9R:116:LYS:CA	2.14	0.78
1:4K:444:GLY:HA2	2:4g:45:LYS:NZ	1.99	0.78
1:1U:444:GLY:N	2:1s:45:LYS:NZ	2.32	0.78
1:4V:202:GLU:HG2	1:4V:343:SER:HB2	1.66	0.78
2:1e:41:TYR:HH	2:1l:97:TYR:HH	1.29	0.78
2:1h:200:LEU:HD13	2:2t:200:LEU:HD13	1.64	0.78
2:2d:28:ILE:CD1	2:1k:99:VAL:HG12	2.13	0.78
2:2d:148[B]:ILE:CD1	2:1k:148[B]:ILE:HD11	2.14	0.78
2:5e:126:LYS:CG	2:6g:119:SER:HB3	2.14	0.78
2:5f:119:SER:HB3	2:6v:126:LYS:HG3	1.64	0.78
2:7a:238:THR:O	2:6v:246:LYS:CA	2.31	0.78
2:7a:242:LEU:HD13	2:6v:235:PRO:C	2.09	0.78
2:8e:148[A]:ILE:HD13	2:9F:148[A]:ILE:HD13	1.63	0.78
2:8e:199:LEU:CD2	2:9F:186:ALA:C	2.57	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:270:ILE:CB	2:9F:269:LEU:HD13	2.06	0.78
2:8g:210:LEU:HD23	2:9G:206:VAL:HG11	0.79	0.78
2:8i:116:LYS:O	2:8i:118:ILE:HD13	1.83	0.78
2:9F:206:VAL:CG2	2:9O:209:LEU:O	2.31	0.78
2:1k:226:ILE:HA	2:3k:219:LYS:HE3	1.66	0.78
2:2i:148[B]:ILE:CD1	2:1o:148[B]:ILE:HD11	2.14	0.78
2:6i:118:ILE:CG1	2:6i:120:ILE:HG23	2.14	0.78
2:6j:206:VAL:CG1	2:5j:210:LEU:HD23	2.13	0.78
2:6k:118:ILE:CG1	2:6k:120:ILE:HG23	2.14	0.78
2:6k:124:ASP:O	2:7e:119:SER:CA	2.32	0.78
2:8k:148[A]:ILE:HD13	2:9G:148[A]:ILE:HD13	1.63	0.78
2:8m:97:TYR:O	2:8m:110:LEU:CB	2.22	0.78
2:8m:116:LYS:O	2:8m:118:ILE:HD13	1.83	0.78
2:2n:245:VAL:CG2	2:3s:245:VAL:HG13	2.08	0.78
2:8s:97:TYR:O	2:8s:110:LEU:CB	2.22	0.78
2:8s:98:ALA:HA	2:8s:110:LEU:HB3	0.84	0.78
2:1q:183:PHE:CE1	2:2o:199:LEU:HD13	2.19	0.78
2:1r:118:ILE:CG1	2:1r:120:ILE:HG23	2.14	0.78
2:1s:116:LYS:O	2:1s:118:ILE:HD13	1.83	0.78
2:2q:223:ARG:HD3	2:3q:228:ALA:HA	1.60	0.78
2:4k:116:LYS:O	2:4k:118:ILE:HD13	1.83	0.78
2:6s:206:VAL:HG11	2:7o:210:LEU:CD2	2.10	0.78
2:8w:199:LEU:CD2	2:9I:186:ALA:C	2.57	0.78
2:8y:235:PRO:C	2:9J:242:LEU:HD12	2.07	0.78
2:9K:116:LYS:O	2:9K:118:ILE:HD13	1.84	0.78
2:1w:280:SER:N	2:3w:249:ALA:O	2.15	0.78
2:1x:118:ILE:CG1	2:1x:120:ILE:HG23	2.14	0.78
2:5m:116:LYS:O	2:5m:118:ILE:HD13	1.83	0.78
2:9M:199:LEU:HD21	2:9J:186:ALA:C	2.09	0.78
1:1E:207:THR:OG1	1:1F:355:SER:OG	1.71	0.77
1:4B:203:PRO:HA	1:4B:212:GLU:HG2	1.65	0.77
1:7B:397:THR:HA	2:7b:107:LEU:HB2	1.66	0.77
1:3O:408:GLU:HG3	1:3O:437:ILE:CD1	2.15	0.77
1:2T:128:LYS:NZ	1:2T:355:SER:O	2.17	0.77
1:4W:448:ALA:C	2:4k:41:TYR:CD2	2.62	0.77
1:9D:392:THR:CG2	2:9I:46:ASP:OD1	2.15	0.77
1:1d:154:VAL:O	1:1d:154:VAL:HG12	1.82	0.77
1:6c:446:ALA:HA	2:6v:42:VAL:O	1.83	0.77
2:1g:278:ILE:HG22	2:3g:278:ILE:CD1	2.13	0.77
2:1h:97:TYR:OH	2:1u:41:TYR:OH	1.98	0.77
2:1h:209:LEU:HD22	2:2t:209:LEU:HD21	1.64	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1h:226:ILE:HB	2:2t:222:LEU:HB2	1.66	0.77
2:2Z:209:LEU:O	2:1l:206:VAL:CG2	2.32	0.77
2:2Z:246:LYS:HD3	2:1l:240:THR:CA	2.13	0.77
2:2b:236:ALA:CA	2:3e:242:LEU:HD21	2.13	0.77
2:3h:122:VAL:N	2:2w:127:ASP:OD1	2.16	0.77
2:8e:174:LEU:HD13	2:9F:174:LEU:CD1	2.14	0.77
2:8f:116:LYS:O	2:8f:118:ILE:HD13	1.84	0.77
2:8i:98:ALA:HA	2:8i:110:LEU:HB3	0.84	0.77
2:9F:206:VAL:HG11	2:9O:210:LEU:HA	1.65	0.77
2:1k:201:VAL:N	2:3k:193:LYS:HD3	1.99	0.77
2:2h:226:ILE:HD11	2:3p:226:ILE:CG1	2.03	0.77
2:2i:28:ILE:CD1	2:1o:99:VAL:HG12	2.13	0.77
2:5g:126:LYS:CG	2:6k:119:SER:HB3	2.14	0.77
2:5h:280:SER:OG	2:7f:247:LYS:HE2	1.84	0.77
2:1m:122:VAL:HG23	2:2j:127:ASP:OD1	1.82	0.77
2:1n:210:LEU:HD23	2:3n:206:VAL:HG11	1.64	0.77
2:2n:158[B]:ILE:CD1	2:3s:154:ALA:HB1	2.15	0.77
2:3m:273:LEU:HD21	2:4i:279:ILE:HG23	1.65	0.77
2:3n:116:LYS:O	2:3n:118:ILE:HD13	1.83	0.77
2:4j:118:ILE:CG1	2:4j:120:ILE:HG23	2.14	0.77
2:6n:206:VAL:CG1	2:5l:210:LEU:HD23	2.13	0.77
2:8q:241:THR:C	2:9H:246:LYS:HE2	2.09	0.77
2:8t:116:LYS:HE3	2:8t:116:LYS:CA	2.14	0.77
2:6q:8:ARG:O	2:6q:8:ARG:HG2	1.81	0.77
2:6t:259:VAL:HG11	2:9L:258:ASP:N	1.99	0.77
2:8w:174:LEU:HD13	2:9I:174:LEU:CD1	2.14	0.77
2:3u:8:ARG:HG2	2:3u:8:ARG:O	1.81	0.77
2:5n:239:THR:HG22	2:7u:247:LYS:O	1.83	0.77
1:4A:200:ILE:HG22	1:4A:216:LYS:CD	2.14	0.77
1:2J:128:LYS:NZ	1:2J:355:SER:O	2.17	0.77
1:3I:408:GLU:HG3	1:3I:437:ILE:CD1	2.15	0.77
1:5R:444:GLY:HA2	2:5j:44:VAL:HG22	1.65	0.77
1:4T:203:PRO:HA	1:4T:212:GLU:HG2	1.65	0.77
1:3d:448:ALA:O	2:3u:63:TRP:NE1	2.17	0.77
1:5Z:203:PRO:O	1:5Z:204:THR:OG1	2.01	0.77
1:5d:444:GLY:N	2:5n:44:VAL:HG22	1.97	0.77
2:1e:28:ILE:HB	2:1l:73:VAL:CG1	2.13	0.77
2:2a:226:ILE:CB	2:3f:222:LEU:HB2	2.14	0.77
2:2b:228:ALA:HA	2:4e:229:GLY:O	1.84	0.77
2:2d:183:PHE:CZ	2:3k:196:LEU:HD22	2.20	0.77
2:3h:98:ALA:HA	2:3h:110:LEU:HB3	0.84	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:206:VAL:CG1	2:5h:210:LEU:HD23	2.13	0.77
2:7c:272:VAL:HG12	2:8j:279:ILE:CG2	2.14	0.77
2:8g:209:LEU:O	2:9G:206:VAL:CG2	2.31	0.77
2:8g:232:TYR:CD2	2:9G:232:TYR:CE1	2.71	0.77
2:1i:226:ILE:O	2:1p:223:ARG:CG	2.31	0.77
2:1l:118:ILE:CG1	2:1l:120:ILE:HG23	2.14	0.77
2:2g:228:ALA:HA	2:4g:229:GLY:O	1.84	0.77
2:2i:183:PHE:CZ	2:3o:196:LEU:HD22	2.19	0.77
2:4h:118:ILE:CG1	2:4h:120:ILE:HG23	2.14	0.77
2:6j:242:LEU:CD1	2:5j:235:PRO:C	2.58	0.77
2:6k:206:VAL:HG11	2:7e:210:LEU:CD2	2.10	0.77
2:7i:28:ILE:CD1	2:8l:99:VAL:HG12	2.15	0.77
2:8n:242:LEU:CD2	2:7n:244:GLY:CA	2.49	0.77
2:1m:28:ILE:HB	2:1t:73:VAL:CG1	2.13	0.77
2:1o:201:VAL:N	2:3o:193:LYS:HD3	1.99	0.77
2:2n:171:GLN:HG2	2:3s:175:PHE:CE1	2.20	0.77
2:6p:98:ALA:HA	2:6p:110:LEU:HB3	0.84	0.77
2:8q:200:LEU:HA	2:9H:193:LYS:HG2	1.66	0.77
2:8v:118:ILE:CG1	2:8v:120:ILE:HG23	2.14	0.77
2:1q:28:ILE:HB	2:1x:73:VAL:HG13	1.65	0.77
2:2r:199:LEU:HB3	2:3x:183:PHE:HD1	0.96	0.77
2:2s:171:GLN:HG2	2:3w:175:PHE:CE1	2.20	0.77
2:3q:210:LEU:HA	2:4k:206:VAL:HG11	1.66	0.77
2:7r:272:VAL:HG12	2:9L:279:ILE:CG2	2.14	0.77
2:1u:247:LYS:HG2	2:2t:239:THR:HG23	1.06	0.77
2:1v:223:ARG:HD2	2:3v:227:GLY:O	1.82	0.77
2:3x:116:LYS:O	2:3x:118:ILE:HD13	1.83	0.77
2:5m:277:GLY:HA2	2:6w:247:LYS:HE3	1.64	0.77
2:6w:124:ASP:O	2:7t:119:SER:CA	2.32	0.77
1:2F:447:GLN:O	2:2h:41:TYR:CD1	2.20	0.77
1:4G:200:ILE:HG22	1:4G:216:LYS:CD	2.14	0.77
1:2L:403:SER:HB3	2:2l:107:LEU:HD11	1.66	0.77
1:5R:447:GLN:HE21	2:5j:44:VAL:CG1	1.97	0.77
1:3W:447:GLN:HG3	2:3r:56:ASN:HB2	1.66	0.77
2:1e:234:LEU:CD2	2:2Z:242:LEU:CB	2.48	0.77
2:1g:116:LYS:O	2:1g:118:ILE:HD13	1.83	0.77
2:3g:199:LEU:O	2:2x:188:THR:OG1	2.00	0.77
2:3h:116:LYS:O	2:3h:118:ILE:HD13	1.83	0.77
2:4e:98:ALA:HA	2:4e:110:LEU:HB3	0.84	0.77
2:6g:114:ARG:HD2	2:6g:114:ARG:O	1.85	0.77
2:9F:174:LEU:HD22	2:9O:174:LEU:HD11	1.66	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1j:118:ILE:CG1	2:1j:120:ILE:HG23	2.14	0.77
2:2f:226:ILE:CB	2:3j:222:LEU:HB2	2.14	0.77
2:2h:241:THR:HG22	2:3p:234:LEU:HD22	1.63	0.77
2:5g:116:LYS:O	2:5g:118:ILE:HD13	1.83	0.77
2:5g:230:VAL:HA	2:7e:227:GLY:O	1.85	0.77
2:8m:259:VAL:CG1	2:8q:257:THR:O	2.22	0.77
2:8o:116:LYS:O	2:8o:118:ILE:HD13	1.84	0.77
2:1o:116:LYS:O	2:1o:118:ILE:HD13	1.83	0.77
2:2l:200:LEU:CD1	2:3m:200:LEU:CD1	2.60	0.77
2:3m:197:GLN:NE2	2:4i:200:LEU:O	2.14	0.77
2:6m:118:ILE:CG1	2:6m:120:ILE:HG23	2.14	0.77
2:6m:251:VAL:HG22	2:8u:270:ILE:CG1	2.13	0.77
2:6n:111:VAL:HG22	2:7p:57:MET:CE	2.11	0.77
2:6p:116:LYS:O	2:6p:118:ILE:HD13	1.83	0.77
2:8q:174:LEU:HD13	2:9H:174:LEU:CD1	2.14	0.77
2:8q:175:PHE:HD1	2:9H:171:GLN:NE2	1.81	0.77
2:8t:227:GLY:O	2:7s:223:ARG:CD	2.32	0.77
2:1t:114:ARG:O	2:1t:114:ARG:HD2	1.85	0.77
2:2o:246:LYS:HD3	2:1x:240:THR:CA	2.13	0.77
2:2q:232:TYR:CD2	2:3q:232:TYR:CD1	2.73	0.77
2:2q:247:LYS:H	2:3q:239:THR:CA	1.97	0.77
2:5k:97:TYR:O	2:5k:110:LEU:CB	2.22	0.77
2:5k:259:VAL:HG21	2:6s:259:VAL:N	1.99	0.77
2:5k:277:GLY:HA2	2:6s:247:LYS:HE3	1.64	0.77
2:5l:280:SER:OG	2:7p:247:LYS:HE2	1.84	0.77
2:6r:226:ILE:HG22	2:5n:222:LEU:HD13	1.67	0.77
2:6r:239:THR:CA	2:5n:247:LYS:N	2.44	0.77
2:6t:126:LYS:CG	2:9L:119:SER:HB3	2.15	0.77
2:8y:244:GLY:HA2	2:9J:243:GLY:H	1.48	0.77
2:8z:114:ARG:HD2	2:8z:114:ARG:O	1.85	0.77
2:1v:118:ILE:CG1	2:1v:120:ILE:HG23	2.14	0.77
2:2u:242:LEU:HB3	2:3v:244:GLY:N	1.97	0.77
2:4n:116:LYS:HE3	2:4n:116:LYS:CA	2.14	0.77
2:6w:114:ARG:O	2:6w:114:ARG:HD2	1.85	0.77
2:9M:199:LEU:CD2	2:9J:186:ALA:C	2.57	0.77
2:9M:241:THR:C	2:9J:246:LYS:HE2	2.09	0.77
1:3C:203:PRO:HG3	1:3C:210:LEU:HA	1.66	0.77
1:7D:446:ALA:CB	2:7Z:41:TYR:CZ	2.64	0.77
1:8A:448:ALA:HB1	2:8e:57:MET:HE1	1.65	0.77
1:7J:448:ALA:HB3	2:7h:60:LEU:HD12	1.65	0.77
1:3O:203:PRO:HG3	1:3O:210:LEU:HA	1.66	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7M:25:ARG:NH2	2:8n:51:ASP:OD1	2.16	0.77
1:6X:446:ALA:O	2:6q:44:VAL:HG13	1.85	0.77
1:7S:397:THR:HA	2:7o:107:LEU:H	1.49	0.77
2:1f:8:ARG:HG2	2:1f:8:ARG:O	1.81	0.77
2:1g:148[B]:ILE:HD11	2:2x:148[B]:ILE:CD1	2.14	0.77
2:3g:118:ILE:CG1	2:3g:120:ILE:HG23	2.14	0.77
2:3h:246:LYS:CB	2:2w:240:THR:HA	2.03	0.77
2:5e:234:LEU:CD1	2:6g:234:LEU:HD22	2.15	0.77
2:6e:257:THR:C	2:8i:259:VAL:HB	1.95	0.77
2:7d:28:ILE:CD1	2:8f:99:VAL:HG12	2.15	0.77
2:8e:241:THR:C	2:9F:246:LYS:HE2	2.09	0.77
2:2h:175:PHE:CE1	2:3p:175:PHE:CZ	2.72	0.77
2:2h:203:ASN:CB	2:3p:210:LEU:O	2.32	0.77
2:3l:116:LYS:O	2:3l:118:ILE:HD13	1.83	0.77
2:6k:150:GLU:CD	2:7e:141:PRO:HB2	2.09	0.77
2:8k:201:VAL:HG22	2:9G:197:GLN:HE22	1.49	0.77
2:1p:114:ARG:HD2	2:1p:114:ARG:O	1.85	0.77
2:2m:203:ASN:CB	2:3t:210:LEU:O	2.33	0.77
2:2n:267:ASN:OD1	2:1s:254:SER:N	2.17	0.77
2:6m:114:ARG:HD2	2:6m:114:ARG:O	1.85	0.77
2:6n:239:THR:CA	2:5l:247:LYS:N	2.45	0.77
2:6o:118:ILE:CG1	2:6o:120:ILE:HG23	2.14	0.77
2:4l:116:LYS:HE3	2:4l:116:LYS:CA	2.14	0.77
2:6q:116:LYS:HE3	2:6q:116:LYS:CA	2.14	0.77
2:8w:114:ARG:O	2:8w:114:ARG:HD2	1.85	0.77
2:9L:118:ILE:CG1	2:9L:120:ILE:HG23	2.14	0.77
2:1w:97:TYR:O	2:1w:110:LEU:CB	2.22	0.77
2:9M:200:LEU:HA	2:9J:193:LYS:HG2	1.66	0.77
1:8D:446:ALA:CA	2:8i:44:VAL:HG23	2.15	0.77
1:8F:448:ALA:HB3	2:8g:57:MET:CE	2.15	0.77
1:2O:128:LYS:NZ	1:2O:355:SER:O	2.17	0.77
1:6c:448:ALA:O	2:6v:60:LEU:N	2.14	0.77
2:1g:226:ILE:HA	2:3g:219:LYS:HE3	1.66	0.77
2:1h:116:LYS:HE3	2:1h:116:LYS:CA	2.14	0.77
2:1h:206:VAL:CG2	2:2t:209:LEU:O	2.32	0.77
2:2Z:148[B]:ILE:HD11	2:1l:148[B]:ILE:HD12	1.67	0.77
2:2Z:222:LEU:HB2	2:1l:226:ILE:HB	1.66	0.77
2:2d:120:ILE:HD13	2:1k:120:ILE:HD11	0.77	0.77
2:2d:171:GLN:HG2	2:3k:175:PHE:CE1	2.20	0.77
2:3e:118:ILE:CG1	2:3e:120:ILE:HG23	2.14	0.77
2:3e:273:LEU:HD21	2:4e:279:ILE:HG23	1.65	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:118:ILE:CG1	2:6g:120:ILE:HG23	2.14	0.77
2:6h:267:ASN:ND2	2:8j:254:SER:O	2.16	0.77
2:1i:73:VAL:HG11	2:2e:27:ILE:HA	1.67	0.77
2:3j:116:LYS:O	2:3j:118:ILE:HD13	1.83	0.77
2:6l:126:LYS:CG	2:8p:119:SER:HB3	2.15	0.77
2:7h:245:VAL:O	2:8p:237:ALA:HB2	1.83	0.77
2:8l:98:ALA:HA	2:8l:110:LEU:HB3	0.84	0.77
2:2j:244:GLY:O	2:1t:242:LEU:HD22	1.84	0.77
2:2j:247:LYS:N	2:1t:238:THR:C	2.42	0.77
2:2n:148[B]:ILE:HD13	2:3s:148[B]:ILE:HD13	1.66	0.77
2:3o:114:ARG:HD2	2:3o:114:ARG:O	1.85	0.77
2:4i:116:LYS:O	2:4i:118:ILE:HD13	1.84	0.77
2:5i:126:LYS:CG	2:6o:119:SER:HB3	2.14	0.77
2:6m:167:LYS:HB3	2:8u:174:LEU:O	1.83	0.77
2:6n:239:THR:HA	2:5l:247:LYS:H	1.47	0.77
2:2r:226:ILE:CD1	2:3x:223:ARG:HA	2.13	0.77
2:6s:150:GLU:CD	2:7o:141:PRO:HB2	2.09	0.77
2:7s:28:ILE:CD1	2:8x:99:VAL:HG12	2.15	0.77
2:8w:200:LEU:HA	2:9I:193:LYS:HG2	1.66	0.77
2:1u:98:ALA:HA	2:1u:110:LEU:HB3	0.84	0.77
2:1v:200:LEU:HD12	2:3v:200:LEU:HD22	1.61	0.77
2:1w:266:LEU:HD22	2:3w:262:ALA:O	1.85	0.77
2:5m:230:VAL:HA	2:7t:227:GLY:O	1.85	0.77
2:9P:118:ILE:CG1	2:9P:120:ILE:HG23	2.14	0.77
1:7C:26:ASN:OD1	2:9P:52:LEU:HD12	1.85	0.77
1:1I:444:GLY:CA	2:1k:45:LYS:HZ2	1.98	0.77
1:1K:207:THR:OG1	1:1L:355:SER:OG	1.71	0.77
1:3H:354:VAL:O	1:3H:354:VAL:HG12	1.82	0.77
1:4N:203:PRO:HA	1:4N:212:GLU:HG2	1.65	0.77
1:4S:200:ILE:CD1	1:4S:213:PHE:HD1	1.97	0.77
1:4X:447:GLN:HG3	2:4l:44:VAL:HG12	1.66	0.77
2:2c:241:THR:HG22	2:3l:234:LEU:HD22	1.63	0.77
2:3e:114:ARG:HD2	2:3e:114:ARG:O	1.85	0.77
2:5e:230:VAL:HA	2:7Z:227:GLY:O	1.85	0.77
2:5f:114:ARG:HD2	2:5f:114:ARG:O	1.85	0.77
2:7c:254:SER:O	2:8j:267:ASN:ND2	2.17	0.77
2:8g:266:LEU:CD2	2:8k:254:SER:HB3	1.88	0.77
2:8i:254:SER:CB	2:7g:266:LEU:CD2	2.63	0.77
2:1k:278:ILE:HG22	2:3k:278:ILE:CD1	2.13	0.77
2:1k:280:SER:N	2:3k:249:ALA:O	2.15	0.77
2:2e:222:LEU:HB2	2:1p:226:ILE:HB	1.66	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:114:ARG:HD2	2:5h:114:ARG:O	1.85	0.77
2:6i:114:ARG:HD2	2:6i:114:ARG:O	1.85	0.77
2:8k:199:LEU:CD2	2:9G:186:ALA:C	2.57	0.77
2:8m:246:LYS:HG2	2:9H:240:THR:C	2.09	0.77
2:1o:226:ILE:HA	2:3o:219:LYS:HE3	1.66	0.77
2:4j:247:LYS:HZ3	2:3t:239:THR:N	1.81	0.77
2:8q:226:ILE:O	2:9H:219:LYS:CG	2.30	0.77
2:1s:263:VAL:CG1	2:3s:256:ALA:CB	2.62	0.77
2:2o:247:LYS:N	2:1x:238:THR:C	2.42	0.77
2:2q:236:ALA:CA	2:3q:242:LEU:HD21	2.13	0.77
2:2s:183:PHE:CZ	2:3w:196:LEU:HD22	2.19	0.77
2:3q:114:ARG:HD2	2:3q:114:ARG:O	1.85	0.77
2:6r:242:LEU:CD1	2:5n:235:PRO:C	2.58	0.77
2:6s:114:ARG:HD2	2:6s:114:ARG:O	1.85	0.77
2:6s:124:ASP:O	2:7o:119:SER:CA	2.32	0.77
2:2v:228:ALA:HA	2:4m:229:GLY:O	1.84	0.77
2:3w:118:ILE:CG1	2:3w:120:ILE:HG23	2.14	0.77
2:5m:234:LEU:CD1	2:6w:234:LEU:HD22	2.15	0.77
1:1C:444:GLY:CA	2:1g:45:LYS:HZ2	1.97	0.77
1:4E:199:LYS:HG2	1:4E:202:GLU:HG3	1.65	0.77
1:5F:446:ALA:O	2:5f:56:ASN:HB2	1.85	0.77
1:8B:447:GLN:HG2	2:8f:44:VAL:HG22	1.64	0.77
1:3O:202:GLU:CB	1:3O:343:SER:CB	2.53	0.77
1:3O:362:LYS:HB2	1:3O:438:ARG:HH12	1.48	0.77
1:5R:447:GLN:HE21	2:5j:44:VAL:HG11	1.49	0.77
1:3U:408:GLU:HG3	1:3U:437:ILE:CD1	2.15	0.77
1:1Y:445:GLY:HA2	2:1u:44:VAL:HB	1.65	0.77
1:2Y:128:LYS:NZ	1:2Y:355:SER:O	2.17	0.77
1:6c:202:GLU:C	1:6c:209:ALA:HB1	2.05	0.77
2:1e:28:ILE:HB	2:1l:73:VAL:HG13	1.65	0.77
2:1f:118:ILE:CG1	2:1f:120:ILE:HG23	2.14	0.77
2:5f:236:ALA:HA	2:6v:242:LEU:CD1	2.15	0.77
2:8e:198:GLN:O	2:9F:193:LYS:CE	2.33	0.77
2:9F:243:GLY:H	2:9O:244:GLY:HA2	1.48	0.77
2:8p:118:ILE:CG1	2:8p:120:ILE:HG23	2.14	0.77
2:2j:209:LEU:HD21	2:1t:209:LEU:HD22	1.65	0.77
2:2l:246:LYS:CD	2:3m:240:THR:CA	2.56	0.77
2:2m:175:PHE:CE1	2:3t:175:PHE:CZ	2.72	0.77
2:2m:202:SER:HB3	2:3t:193:LYS:CD	2.15	0.77
2:2m:225:MET:O	2:3t:219:LYS:CA	2.31	0.77
2:2n:183:PHE:CZ	2:3s:196:LEU:HD22	2.20	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:234:LEU:CD1	2:6o:234:LEU:HD22	2.15	0.77
2:6o:124:ASP:O	2:7j:119:SER:CA	2.32	0.77
2:7m:272:VAL:HG12	2:8v:279:ILE:CG2	2.14	0.77
2:8t:118:ILE:CG1	2:8t:120:ILE:HG23	2.14	0.77
2:1s:97:TYR:O	2:1s:110:LEU:CB	2.22	0.77
2:1s:98:ALA:HA	2:1s:110:LEU:HB3	0.84	0.77
2:2o:234:LEU:CD2	2:1x:243:GLY:HA2	2.14	0.77
2:2r:240:THR:HA	2:3x:246:LYS:CB	2.03	0.77
2:7r:254:SER:O	2:9L:267:ASN:ND2	2.17	0.77
2:8w:199:LEU:HD21	2:9I:186:ALA:C	2.09	0.77
2:8z:227:GLY:O	2:7x:223:ARG:CD	2.32	0.77
2:1w:201:VAL:N	2:3w:193:LYS:HD3	1.99	0.77
2:1w:270:ILE:HG23	2:3w:251:VAL:HG21	1.60	0.77
2:6u:118:ILE:CG1	2:6u:120:ILE:HG23	2.14	0.77
2:7w:251:VAL:HG13	2:9R:279:ILE:CD1	1.95	0.77
2:7w:272:VAL:HG12	2:9R:279:ILE:CG2	2.14	0.77
2:9M:180:VAL:HG11	2:9J:184:LEU:O	1.84	0.77
1:6C:110:TYR:CD2	1:6C:110:TYR:O	2.38	0.77
1:5R:446:ALA:HB1	2:5j:56:ASN:HB2	1.66	0.77
1:8R:444:GLY:H	2:8s:45:LYS:CE	1.93	0.77
2:1e:212:GLY:HA2	2:2Z:203:ASN:ND2	1.99	0.77
2:1g:201:VAL:N	2:3g:193:LYS:HD3	1.99	0.77
2:1h:73:VAL:CG1	2:1u:28:ILE:HB	2.13	0.77
2:1h:118:ILE:CG1	2:1h:120:ILE:HG23	2.14	0.77
2:3f:116:LYS:O	2:3f:118:ILE:HD13	1.83	0.77
2:3g:148[B]:ILE:HD13	2:2x:148[B]:ILE:HD13	1.66	0.77
2:3g:175:PHE:CE1	2:2x:171:GLN:HG2	2.20	0.77
2:4f:118:ILE:CG1	2:4f:120:ILE:HG23	2.14	0.77
2:5e:226:ILE:HD11	2:7Z:226:ILE:HD12	1.65	0.77
2:7a:120:ILE:HD13	2:6v:120:ILE:HD11	0.77	0.77
2:2f:227:GLY:HA3	2:3j:223:ARG:CZ	2.10	0.77
2:2g:230:VAL:C	2:3i:229:GLY:HA3	2.10	0.77
2:2g:247:LYS:H	2:3i:239:THR:CA	1.97	0.77
2:2i:171:GLN:HG2	2:3o:175:PHE:CE1	2.20	0.77
2:3k:114:ARG:HD2	2:3k:114:ARG:O	1.85	0.77
2:6j:98:ALA:HA	2:6j:110:LEU:HB3	0.84	0.77
2:6l:98:ALA:HA	2:6l:110:LEU:HB3	0.84	0.77
2:6l:259:VAL:HG11	2:8p:258:ASP:N	1.99	0.77
2:1o:97:TYR:O	2:1o:110:LEU:CB	2.22	0.77
2:1o:263:VAL:CG1	2:3o:256:ALA:CB	2.62	0.77
2:8t:114:ARG:HD2	2:8t:114:ARG:O	1.85	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:263:VAL:CG2	2:3s:262:ALA:CA	2.63	0.77
2:2r:148[B]:ILE:HD11	2:4l:148[B]:ILE:HD12	1.67	0.77
2:2r:175:PHE:CE1	2:3x:175:PHE:CZ	2.72	0.77
2:2r:203:ASN:CB	2:3x:210:LEU:O	2.32	0.77
2:4l:118:ILE:CG1	2:4l:120:ILE:HG23	2.14	0.77
2:5k:259:VAL:HG13	2:6s:258:ASP:O	1.84	0.77
2:6q:114:ARG:HD2	2:6q:114:ARG:O	1.85	0.77
2:6q:167:LYS:HE3	2:9K:173:LEU:C	2.10	0.77
2:8y:210:LEU:HD23	2:9J:206:VAL:HG11	0.79	0.77
2:5m:98:ALA:HA	2:5m:110:LEU:HB3	0.84	0.77
2:5m:126:LYS:CG	2:6w:119:SER:HB3	2.14	0.77
2:5n:118:ILE:CG1	2:5n:120:ILE:HG23	2.14	0.77
2:6u:116:LYS:HE3	2:6u:116:LYS:CA	2.14	0.77
1:5E:445:GLY:CA	2:5e:44:VAL:HB	2.13	0.77
1:3L:443:SER:O	2:3i:56:ASN:ND2	2.17	0.77
1:3U:447:GLN:HE22	2:3t:56:ASN:HD22	0.81	0.77
1:3a:408:GLU:HG3	1:3a:437:ILE:CD1	2.15	0.77
1:4b:202:GLU:HG2	1:4b:343:SER:HB2	1.66	0.77
1:4d:447:GLN:HG2	2:4n:44:VAL:CG1	2.15	0.77
1:6Y:448:ALA:HB3	2:6x:57:MET:CE	2.15	0.77
2:1h:73:VAL:HG11	2:1u:28:ILE:HA	1.67	0.77
2:3g:196:LEU:HD22	2:2x:183:PHE:CZ	2.20	0.77
2:5f:118:ILE:CG1	2:5f:120:ILE:HG23	2.14	0.77
2:6f:97:TYR:O	2:6f:110:LEU:CB	2.22	0.77
2:6f:242:LEU:CD1	2:5h:236:ALA:HA	2.15	0.77
2:6h:98:ALA:HA	2:6h:110:LEU:HB3	0.84	0.77
2:7a:120:ILE:HD13	2:6v:120:ILE:HD13	1.63	0.77
2:8e:114:ARG:HD2	2:8e:114:ARG:O	1.85	0.77
2:8h:119:SER:HB3	2:8l:126:LYS:HG3	1.67	0.77
2:2e:247:LYS:HG2	2:1p:280:SER:HG	1.45	0.77
2:2h:148[B]:ILE:HD11	2:4h:148[B]:ILE:HD12	1.67	0.77
2:2i:158[B]:ILE:CD1	2:3o:154:ALA:HB1	2.15	0.77
2:3i:118:ILE:CG1	2:3i:120:ILE:HG23	2.14	0.77
2:5g:234:LEU:CD1	2:6k:234:LEU:HD22	2.15	0.77
2:8n:118:ILE:CG1	2:8n:120:ILE:HG23	2.14	0.77
2:8o:253:ALA:HA	2:7l:270:ILE:CD1	2.15	0.77
2:2l:230:VAL:C	2:3m:229:GLY:HA3	2.10	0.77
2:7m:231:PRO:HA	2:8v:229:GLY:HA3	1.66	0.77
2:7m:254:SER:O	2:8v:267:ASN:ND2	2.17	0.77
2:8q:198:GLN:O	2:9H:193:LYS:CE	2.33	0.77
2:8q:201:VAL:HG22	2:9H:197:GLN:HE22	1.49	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8u:254:SER:CB	2:7q:266:LEU:CD2	2.63	0.77
2:1s:266:LEU:HD22	2:3s:262:ALA:O	1.85	0.77
2:1s:270:ILE:CG2	2:3s:251:VAL:HG21	2.13	0.77
2:2s:120:ILE:HD13	2:1w:120:ILE:HD11	0.77	0.77
2:3r:116:LYS:O	2:3r:118:ILE:HD13	1.83	0.77
2:2v:196:LEU:HB3	2:3u:200:LEU:HD23	1.67	0.77
2:2v:230:VAL:C	2:3u:229:GLY:HA3	2.10	0.77
2:2v:246:LYS:CB	2:3u:239:THR:C	2.52	0.77
2:3u:114:ARG:O	2:3u:114:ARG:HD2	1.85	0.77
1:5R:419:ASP:CG	1:5R:425:LYS:NZ	2.35	0.77
2:1h:280:SER:HG	2:2t:247:LYS:HG2	1.47	0.77
2:2Z:244:GLY:O	2:1l:242:LEU:HD22	1.84	0.77
2:2d:148[B]:ILE:HD13	2:3k:148[B]:ILE:HD13	1.66	0.77
2:2d:158[B]:ILE:CD1	2:3k:154:ALA:HB1	2.15	0.77
2:3h:210:LEU:O	2:2w:203:ASN:CB	2.33	0.77
2:5e:259:VAL:CG1	2:6g:258:ASP:N	2.44	0.77
2:5e:259:VAL:HG21	2:6g:259:VAL:N	1.99	0.77
2:5f:280:SER:OG	2:7a:247:LYS:HE2	1.84	0.77
2:6e:257:THR:HA	2:8i:259:VAL:CG1	2.12	0.77
2:8h:227:GLY:O	2:7i:223:ARG:CD	2.32	0.77
2:8j:118:ILE:CG1	2:8j:120:ILE:HG23	2.14	0.77
2:1j:114:ARG:HD2	2:1j:114:ARG:O	1.85	0.77
2:2g:236:ALA:CA	2:3i:242:LEU:HD21	2.13	0.77
2:2i:120:ILE:HD13	2:1o:120:ILE:HD11	0.77	0.77
2:3i:244:GLY:CA	2:4g:243:GLY:O	2.32	0.77
2:3k:116:LYS:HE3	2:3k:116:LYS:CA	2.14	0.77
2:6j:206:VAL:HG21	2:5j:209:LEU:O	1.85	0.77
2:7h:251:VAL:HG13	2:8p:279:ILE:CD1	1.95	0.77
2:8k:226:ILE:CG2	2:9G:214:PRO:HG3	2.15	0.77
2:8o:254:SER:CB	2:7l:266:LEU:CD2	2.63	0.77
2:1m:28:ILE:HA	2:1t:73:VAL:HG11	1.67	0.77
2:1m:212:GLY:HA2	2:2j:203:ASN:ND2	1.99	0.77
2:2j:209:LEU:O	2:1t:206:VAL:CG2	2.32	0.77
2:2j:222:LEU:HB2	2:1t:226:ILE:HB	1.66	0.77
2:3m:244:GLY:CA	2:4i:243:GLY:O	2.32	0.77
2:3p:98:ALA:HA	2:3p:110:LEU:HB3	0.84	0.77
2:5i:259:VAL:HG13	2:6o:258:ASP:O	1.84	0.77
2:5j:118:ILE:CG1	2:5j:120:ILE:HG23	2.14	0.77
2:6m:116:LYS:HE3	2:6m:116:LYS:CA	2.14	0.77
2:6m:167:LYS:HE3	2:8u:173:LEU:C	2.10	0.77
2:6o:114:ARG:HD2	2:6o:114:ARG:O	1.85	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6o:242:LEU:CD2	2:7j:236:ALA:CA	2.53	0.77
2:1t:116:LYS:HE3	2:1t:116:LYS:CA	2.14	0.77
2:2o:209:LEU:HD21	2:1x:209:LEU:HD22	1.64	0.77
2:3q:244:GLY:CA	2:4k:243:GLY:O	2.32	0.77
2:3s:114:ARG:O	2:3s:114:ARG:HD2	1.85	0.77
2:5k:126:LYS:CG	2:6s:119:SER:HB3	2.14	0.77
2:8x:97:TYR:O	2:8x:110:LEU:CB	2.22	0.77
2:8y:223:ARG:HA	2:9J:226:ILE:HD12	1.67	0.77
2:1u:212:GLY:HA2	2:2t:203:ASN:ND2	1.99	0.77
2:1w:280:SER:CB	2:3w:250:ALA:N	2.45	0.77
2:3u:118:ILE:CG1	2:3u:120:ILE:HG23	2.14	0.77
2:3x:97:TYR:O	2:3x:110:LEU:CB	2.22	0.77
2:4n:118:ILE:CG1	2:4n:120:ILE:HG23	2.14	0.77
2:6u:114:ARG:O	2:6u:114:ARG:HD2	1.85	0.77
2:6x:126:LYS:CG	2:9R:119:SER:HB3	2.15	0.77
2:9M:226:ILE:O	2:9J:219:LYS:CG	2.30	0.77
2:9Q:98:ALA:HA	2:9Q:110:LEU:HB3	0.84	0.77
1:4J:202:GLU:HG2	1:4J:343:SER:HB2	1.66	0.76
1:6I:110:TYR:CD2	1:6I:110:TYR:O	2.38	0.76
1:7K:445:GLY:H	2:7n:45:LYS:HD2	1.50	0.76
1:1V:447:GLN:NE2	2:1t:60:LEU:HD11	2.00	0.76
1:5W:447:GLN:HG3	2:5k:44:VAL:CG2	2.16	0.76
1:6S:447:GLN:HG3	2:6t:60:LEU:HD11	1.59	0.76
1:8X:445:GLY:C	2:8y:44:VAL:CB	2.57	0.76
1:9D:446:ALA:CB	2:9I:55:VAL:HG22	2.07	0.76
1:4Y:200:ILE:HG22	1:4Y:216:LYS:CD	2.14	0.76
2:1g:120:ILE:HD11	2:2x:120:ILE:HD13	0.77	0.76
2:1h:148[B]:ILE:HD12	2:2t:148[B]:ILE:HD11	1.66	0.76
2:2b:232:TYR:CD2	2:3e:232:TYR:CD1	2.73	0.76
2:2c:242:LEU:HD13	2:3l:243:GLY:HA2	1.65	0.76
2:6f:226:ILE:HG21	2:5h:222:LEU:HB3	1.65	0.76
2:8e:231:PRO:CD	2:9O:227:GLY:O	2.21	0.76
2:8e:257:THR:O	2:9O:259:VAL:CG1	2.22	0.76
2:8i:253:ALA:HA	2:7g:270:ILE:CD1	2.15	0.76
2:2e:209:LEU:O	2:1p:206:VAL:CG2	2.32	0.76
2:2e:273:LEU:CD2	2:1p:279:ILE:HG22	2.13	0.76
2:3i:114:ARG:O	2:3i:114:ARG:HD2	1.85	0.76
2:5g:259:VAL:CG1	2:6k:258:ASP:N	2.44	0.76
2:5h:116:LYS:HE3	2:5h:116:LYS:CA	2.14	0.76
2:5h:239:THR:HG22	2:7f:247:LYS:O	1.83	0.76
2:7h:254:SER:O	2:8p:267:ASN:ND2	2.17	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:199:LEU:HD21	2:9G:186:ALA:C	2.09	0.76
2:8k:210:LEU:HD21	2:9G:210:LEU:HD21	1.65	0.76
2:2k:226:ILE:CB	2:3n:222:LEU:HB2	2.14	0.76
2:6n:226:ILE:HG22	2:5l:222:LEU:HD13	1.67	0.76
2:6n:242:LEU:CD1	2:5l:235:PRO:C	2.58	0.76
2:6n:242:LEU:CD1	2:5l:236:ALA:HA	2.15	0.76
2:8s:174:LEU:HD11	2:9l:174:LEU:HD22	1.66	0.76
2:8u:253:ALA:HA	2:7q:270:ILE:CD1	2.15	0.76
2:1s:201:VAL:N	2:3s:193:LYS:HD3	1.99	0.76
2:2p:226:ILE:CB	2:3r:222:LEU:HB2	2.14	0.76
2:5l:118:ILE:CG1	2:5l:120:ILE:HG23	2.14	0.76
2:6q:256:ALA:H	2:9K:263:VAL:CG2	1.98	0.76
2:8w:175:PHE:HD1	2:9l:171:GLN:NE2	1.80	0.76
2:8w:198:GLN:O	2:9l:193:LYS:CE	2.33	0.76
2:3v:116:LYS:O	2:3v:118:ILE:HD13	1.83	0.76
2:5m:199:LEU:O	2:6w:188:THR:OG1	2.01	0.76
2:6w:118:ILE:CG1	2:6w:120:ILE:HG23	2.14	0.76
2:9R:118:ILE:CG1	2:9R:120:ILE:HG23	2.14	0.76
1:1J:448:ALA:C	2:1l:41:TYR:CE1	2.63	0.76
1:3l:203:PRO:HG3	1:3l:210:LEU:HA	1.66	0.76
1:1P:448:ALA:C	2:1p:41:TYR:HE1	1.87	0.76
1:4M:200:ILE:CD1	1:4M:213:PHE:HD1	1.97	0.76
1:6Q:445:GLY:CA	2:6n:44:VAL:HB	2.09	0.76
1:3U:203:PRO:HG3	1:3U:210:LEU:HA	1.66	0.76
1:4c:199:LYS:HG2	1:4c:202:GLU:HG3	1.65	0.76
2:1h:238:THR:C	2:2t:247:LYS:N	2.42	0.76
2:1h:245:VAL:C	2:1u:242:LEU:CD2	2.55	0.76
2:5f:209:LEU:O	2:6v:206:VAL:HG21	1.85	0.76
2:6f:206:VAL:HG21	2:5h:209:LEU:O	1.85	0.76
2:6f:235:PRO:C	2:7f:242:LEU:HD13	2.09	0.76
2:6g:124:ASP:O	2:7Z:119:SER:CA	2.32	0.76
2:7b:266:LEU:CD2	2:9Q:254:SER:CB	2.63	0.76
2:7c:258:ASP:O	2:8j:259:VAL:HG11	1.83	0.76
2:8e:253:ALA:CA	2:9O:270:ILE:CD1	2.62	0.76
2:1k:266:LEU:HD22	2:3k:262:ALA:O	1.85	0.76
2:1l:114:ARG:HD2	2:1l:114:ARG:O	1.85	0.76
2:2f:127:ASP:OD1	2:3j:122:VAL:HG23	1.86	0.76
2:3i:273:LEU:HD21	2:4g:279:ILE:HG23	1.65	0.76
2:6i:167:LYS:HE3	2:8o:173:LEU:C	2.10	0.76
2:8k:241:THR:C	2:9G:246:LYS:HE2	2.09	0.76
2:8k:278:ILE:CG2	2:9G:278:ILE:HG23	2.03	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:222:LEU:O	2:9H:226:ILE:HD12	1.86	0.76
2:2j:247:LYS:N	2:1t:239:THR:CA	2.40	0.76
2:2j:273:LEU:CD2	2:1t:279:ILE:HG22	2.13	0.76
2:2k:200:LEU:CG	2:3n:200:LEU:CD1	2.63	0.76
2:2l:236:ALA:CA	2:3m:242:LEU:HD21	2.13	0.76
2:3m:118:ILE:CG1	2:3m:120:ILE:HG23	2.14	0.76
2:3o:118:ILE:CG1	2:3o:120:ILE:HG23	2.14	0.76
2:5i:230:VAL:HA	2:7j:227:GLY:O	1.85	0.76
2:6p:148[B]:ILE:HD11	2:7m:148[B]:ILE:HD12	1.67	0.76
2:6p:267:ASN:ND2	2:8v:254:SER:O	2.16	0.76
2:8q:154:ALA:HB2	2:9H:158[A]:ILE:HA	1.67	0.76
2:8s:228:ALA:HB1	2:9I:228:ALA:CB	1.98	0.76
2:2o:148[B]:ILE:HD11	2:1x:148[B]:ILE:HD12	1.67	0.76
2:2q:196:LEU:HB3	2:3q:200:LEU:HD23	1.67	0.76
2:2s:148[B]:ILE:HD13	2:3w:148[B]:ILE:HD13	1.66	0.76
2:3q:246:LYS:HA	2:4k:238:THR:O	1.86	0.76
2:8w:210:LEU:HD21	2:9I:210:LEU:HD21	1.65	0.76
2:8z:118:ILE:CG1	2:8z:120:ILE:HG23	2.14	0.76
2:2v:232:TYR:CD2	2:3u:232:TYR:CD1	2.73	0.76
2:2v:247:LYS:H	2:3u:239:THR:CA	1.97	0.76
2:4m:97:TYR:O	2:4m:110:LEU:CB	2.22	0.76
2:9P:114:ARG:HD2	2:9P:114:ARG:O	1.85	0.76
1:3J:154:VAL:HG12	1:3J:154:VAL:O	1.85	0.76
2:2c:203:ASN:CB	2:3l:210:LEU:O	2.33	0.76
2:3g:154:ALA:HB1	2:2x:158[B]:ILE:CD1	2.15	0.76
2:3g:263:VAL:CG2	2:2x:262:ALA:HB1	2.13	0.76
2:3h:223:ARG:HA	2:2w:226:ILE:CD1	2.13	0.76
2:6e:114:ARG:HD2	2:6e:114:ARG:O	1.85	0.76
2:6g:200:LEU:CD2	2:7Z:196:LEU:HB3	2.16	0.76
2:8e:180:VAL:HG11	2:9F:184:LEU:O	1.84	0.76
2:8g:174:LEU:HD11	2:9G:174:LEU:HD22	1.66	0.76
2:8g:222:LEU:HB2	2:9G:226:ILE:HG22	1.50	0.76
2:2f:239:THR:H	2:3j:247:LYS:HB3	1.43	0.76
2:5h:57:MET:HE2	2:7f:111:VAL:HG13	1.66	0.76
2:6l:126:LYS:HG2	2:8p:119:SER:HB3	1.67	0.76
2:8k:200:LEU:HA	2:9G:193:LYS:HG2	1.66	0.76
2:1o:266:LEU:HD22	2:3o:262:ALA:O	1.85	0.76
2:2l:247:LYS:H	2:3m:239:THR:CA	1.97	0.76
2:8v:114:ARG:O	2:8v:114:ARG:HD2	1.85	0.76
2:8v:116:LYS:HE3	2:8v:116:LYS:CA	2.14	0.76
2:2o:273:LEU:CD2	2:1x:279:ILE:HG22	2.13	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:239:THR:CG2	2:3r:247:LYS:HG2	2.15	0.76
2:2q:200:LEU:CD1	2:3q:200:LEU:CD1	2.61	0.76
2:5k:234:LEU:CD1	2:6s:234:LEU:HD22	2.15	0.76
2:6r:120:ILE:HD11	2:7u:120:ILE:HD13	0.77	0.76
2:8w:241:THR:C	2:9I:246:LYS:HE2	2.10	0.76
2:2u:240:THR:HA	2:3v:246:LYS:CD	2.13	0.76
2:5m:259:VAL:HG13	2:6w:258:ASP:O	1.84	0.76
2:5n:225:MET:SD	2:7u:209:LEU:HD12	2.26	0.76
2:7w:193:LYS:HD3	2:9R:200:LEU:C	2.11	0.76
2:7w:266:LEU:CA	2:9R:266:LEU:CD1	2.61	0.76
2:9M:116:LYS:HE3	2:9M:116:LYS:CA	2.14	0.76
1:4A:200:ILE:CD1	1:4A:213:PHE:HD1	1.97	0.76
1:6A:448:ALA:CB	2:6h:41:TYR:CD2	2.68	0.76
1:3J:443:SER:OG	2:3k:56:ASN:ND2	2.18	0.76
1:5L:419:ASP:HB3	1:5L:425:LYS:HZ3	1.51	0.76
1:8G:448:ALA:CB	2:8k:57:MET:SD	2.73	0.76
1:4M:200:ILE:HG22	1:4M:216:LYS:CD	2.14	0.76
1:6O:110:TYR:CD2	1:6O:110:TYR:O	2.38	0.76
1:9C:392:THR:HA	2:9H:46:ASP:OD2	1.84	0.76
1:1S:445:GLY:CA	2:1q:44:VAL:HB	2.16	0.76
1:2Q:356:PRO:CD	1:2Q:369:PHE:CD2	2.66	0.76
1:6T:393:GLY:HA2	2:6s:107:LEU:CD1	2.15	0.76
1:9D:446:ALA:HB3	2:9I:55:VAL:CG2	2.09	0.76
2:1g:263:VAL:CG2	2:3g:262:ALA:CA	2.63	0.76
2:2a:200:LEU:CG	2:3f:200:LEU:CD1	2.63	0.76
2:3e:246:LYS:HA	2:4e:238:THR:O	1.86	0.76
2:6e:116:LYS:HE3	2:6e:116:LYS:CA	2.14	0.76
2:6f:120:ILE:HD13	2:7f:120:ILE:HD13	1.63	0.76
2:6h:126:LYS:CG	2:8j:119:SER:HB3	2.15	0.76
2:7c:231:PRO:HA	2:8j:229:GLY:HA3	1.66	0.76
2:8g:210:LEU:HA	2:9G:206:VAL:HG11	1.65	0.76
2:1i:212:GLY:HA2	2:2e:203:ASN:ND2	1.99	0.76
2:1j:226:ILE:O	2:2f:223:ARG:HG3	1.86	0.76
2:3i:210:LEU:HA	2:4g:206:VAL:HG11	1.65	0.76
2:5g:111:VAL:CG2	2:7e:57:MET:SD	2.74	0.76
2:5g:266:LEU:CD1	2:6k:266:LEU:HA	2.16	0.76
2:6j:242:LEU:CD1	2:5j:236:ALA:HA	2.15	0.76
2:6k:114:ARG:O	2:6k:114:ARG:HD2	1.85	0.76
2:7h:193:LYS:HD3	2:8p:200:LEU:C	2.11	0.76
2:8m:210:LEU:HD23	2:9H:206:VAL:HG11	0.79	0.76
2:2n:120:ILE:HD13	2:1s:120:ILE:HD11	0.77	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:206:VAL:HG22	2:3r:209:LEU:CG	2.15	0.76
2:6r:242:LEU:CD1	2:5n:236:ALA:HA	2.15	0.76
2:6s:118:ILE:CG1	2:6s:120:ILE:HG23	2.14	0.76
2:6s:200:LEU:CD2	2:7o:196:LEU:HB3	2.16	0.76
2:3w:114:ARG:HD2	2:3w:114:ARG:O	1.85	0.76
2:4m:116:LYS:O	2:4m:118:ILE:HD13	1.83	0.76
2:5m:263:VAL:HG21	2:6w:256:ALA:HB3	0.76	0.76
2:5n:57:MET:HE2	2:7u:111:VAL:HG13	1.66	0.76
2:5n:280:SER:OG	2:7u:247:LYS:HE2	1.84	0.76
2:9M:118:ILE:CG1	2:9M:120:ILE:HG23	2.14	0.76
1:4F:445:GLY:HA2	2:4f:44:VAL:H	1.51	0.76
1:8N:228:GLN:OE1	1:8N:228:GLN:N	2.14	0.76
1:2R:397:THR:HA	2:2p:107:LEU:HB2	1.67	0.76
1:1a:444:GLY:CA	2:1w:45:LYS:CD	2.54	0.76
1:3a:203:PRO:HG3	1:3a:210:LEU:HA	1.66	0.76
1:3b:154:VAL:O	1:3b:154:VAL:HG12	1.85	0.76
2:1h:97:TYR:HH	2:1u:41:TYR:HH	1.28	0.76
2:1h:240:THR:CA	2:2t:246:LYS:HD3	2.13	0.76
2:2a:127:ASP:OD1	2:3f:122:VAL:HG23	1.86	0.76
2:2b:247:LYS:H	2:3e:239:THR:CA	1.97	0.76
2:2c:226:ILE:O	2:3l:223:ARG:N	2.18	0.76
2:5e:266:LEU:CD1	2:6g:266:LEU:HA	2.16	0.76
2:5f:225:MET:SD	2:7a:209:LEU:HD12	2.26	0.76
2:8e:199:LEU:HD21	2:9F:186:ALA:C	2.09	0.76
2:8g:116:LYS:O	2:8g:118:ILE:HD13	1.83	0.76
2:8g:270:ILE:CD1	2:8k:253:ALA:CA	2.62	0.76
2:2e:246:LYS:CB	2:1p:239:THR:O	2.33	0.76
2:2h:202:SER:HB3	2:3p:193:LYS:CD	2.15	0.76
2:6i:116:LYS:HE3	2:6i:116:LYS:CA	2.14	0.76
2:6j:226:ILE:HG22	2:5j:222:LEU:HD13	1.67	0.76
2:8k:180:VAL:HG11	2:9G:184:LEU:O	1.84	0.76
2:8m:209:LEU:O	2:9H:206:VAL:CG2	2.31	0.76
2:2j:234:LEU:CD2	2:1t:243:GLY:HA2	2.13	0.76
2:2m:226:ILE:O	2:3t:223:ARG:N	2.18	0.76
2:5j:225:MET:SD	2:7k:209:LEU:HD12	2.26	0.76
2:6m:257:THR:HA	2:8u:259:VAL:CG1	2.12	0.76
2:6n:235:PRO:C	2:7p:242:LEU:HD13	2.09	0.76
2:7n:28:ILE:CD1	2:8r:99:VAL:HG12	2.15	0.76
2:8q:116:LYS:HE3	2:8q:116:LYS:CA	2.14	0.76
2:8s:200:LEU:HD11	2:9I:200:LEU:CG	2.15	0.76
2:1q:73:VAL:HG11	2:2o:27:ILE:HA	1.67	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:212:GLY:HA2	2:2o:203:ASN:ND2	1.99	0.76
2:1s:263:VAL:HG22	2:3s:256:ALA:CB	2.14	0.76
2:4l:114:ARG:HD2	2:4l:114:ARG:O	1.85	0.76
2:5k:230:VAL:HA	2:7o:227:GLY:O	1.85	0.76
2:5l:57:MET:HE2	2:7p:111:VAL:HG13	1.66	0.76
2:5l:114:ARG:HD2	2:5l:114:ARG:O	1.85	0.76
2:7r:266:LEU:N	2:9L:266:LEU:HD22	2.01	0.76
2:8w:154:ALA:HB2	2:9I:158[A]:ILE:HA	1.67	0.76
2:8z:116:LYS:HE3	2:8z:116:LYS:CA	2.14	0.76
2:9K:98:ALA:HA	2:9K:110:LEU:HB3	0.84	0.76
2:9L:114:ARG:O	2:9L:114:ARG:HD2	1.85	0.76
2:5n:114:ARG:HD2	2:5n:114:ARG:O	1.85	0.76
2:6u:167:LYS:HE3	2:9Q:173:LEU:C	2.10	0.76
2:6w:243:GLY:HA2	2:7t:234:LEU:CD2	2.16	0.76
1:3C:408:GLU:HG3	1:3C:437:ILE:CD1	2.15	0.76
1:7C:444:GLY:CA	2:7a:45:LYS:NZ	2.49	0.76
1:7D:28:GLN:CG	2:6u:52:LEU:CD1	2.63	0.76
1:2F:405:SER:O	2:2h:44:VAL:O	2.04	0.76
1:4G:200:ILE:CD1	1:4G:213:PHE:HD1	1.97	0.76
1:7H:448:ALA:C	2:7f:60:LEU:HD12	2.11	0.76
1:3O:447:GLN:HB2	2:3p:42:VAL:HG13	1.67	0.76
1:7O:25:ARG:HH12	2:5j:51:ASP:CG	1.94	0.76
1:8P:444:GLY:O	2:8u:53:THR:OG1	2.03	0.76
1:7V:446:ALA:O	2:7v:55:VAL:HA	1.85	0.76
2:2a:200:LEU:HD22	2:3f:200:LEU:HD11	1.20	0.76
2:2a:206:VAL:HG22	2:3f:209:LEU:CG	2.15	0.76
2:3g:116:LYS:HE3	2:3g:116:LYS:CA	2.14	0.76
2:4f:73:VAL:HG11	2:3l:28:ILE:HA	1.68	0.76
2:5f:57:MET:HE2	2:7a:111:VAL:HG13	1.66	0.76
2:5f:222:LEU:HD13	2:6v:226:ILE:HG22	1.67	0.76
2:5f:235:PRO:C	2:6v:242:LEU:CD1	2.58	0.76
2:7a:120:ILE:CD1	2:6v:120:ILE:CD1	2.37	0.76
2:8e:116:LYS:HE3	2:8e:116:LYS:CA	2.14	0.76
2:8h:114:ARG:HD2	2:8h:114:ARG:O	1.85	0.76
2:1j:116:LYS:HE3	2:1j:116:LYS:CA	2.14	0.76
2:1k:263:VAL:CG2	2:3k:262:ALA:CA	2.63	0.76
2:2f:239:THR:CG2	2:3j:247:LYS:HG2	2.15	0.76
2:2g:239:THR:N	2:4g:247:LYS:HB3	2.01	0.76
2:2i:148[B]:ILE:HD13	2:3o:148[B]:ILE:HD13	1.65	0.76
2:6j:116:LYS:O	2:6j:118:ILE:HD13	1.83	0.76
2:8n:114:ARG:HD2	2:8n:114:ARG:O	1.85	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3o:116:LYS:HE3	2:3o:116:LYS:CA	2.14	0.76
2:6p:126:LYS:HG2	2:8v:119:SER:HB3	1.67	0.76
2:1q:28:ILE:HA	2:1x:73:VAL:HG11	1.67	0.76
2:1r:114:ARG:O	2:1r:114:ARG:HD2	1.85	0.76
2:1s:226:ILE:HA	2:3s:219:LYS:HE3	1.66	0.76
2:2r:202:SER:HB3	2:3x:193:LYS:CD	2.15	0.76
2:4l:247:LYS:HZ3	2:3x:239:THR:N	1.83	0.76
2:6t:148[B]:ILE:HD11	2:7r:148[B]:ILE:HD12	1.68	0.76
2:8w:226:ILE:CG2	2:9I:214:PRO:HG3	2.15	0.76
2:4n:114:ARG:HD2	2:4n:114:ARG:O	1.85	0.76
2:7x:28:ILE:CD1	2:9N:99:VAL:HG12	2.15	0.76
2:9M:226:ILE:CG2	2:9J:214:PRO:HG3	2.15	0.76
2:9O:98:ALA:HA	2:9O:110:LEU:HB3	0.84	0.76
1:2E:128:LYS:NZ	1:2E:355:SER:O	2.17	0.76
1:4D:202:GLU:HG2	1:4D:343:SER:HB2	1.66	0.76
1:6F:447:GLN:O	2:6e:56:ASN:O	2.04	0.76
1:1K:203:PRO:HA	1:1K:209:ALA:HB3	1.68	0.76
1:2G:25:ARG:NH2	2:3o:51:ASP:OD1	2.19	0.76
1:2O:447:GLN:O	2:2n:41:TYR:CD1	2.25	0.76
1:7N:397:THR:HA	2:7j:107:LEU:HB2	1.67	0.76
1:2R:25:ARG:CZ	2:4l:51:ASP:OD2	2.33	0.76
1:8X:446:ALA:HB2	2:8y:19:LEU:CD1	2.16	0.76
1:1c:203:PRO:HA	1:1c:209:ALA:HB3	1.68	0.76
1:3c:448:ALA:HB3	2:3v:41:TYR:HD2	1.51	0.76
1:6a:110:TYR:CD2	1:6a:110:TYR:O	2.38	0.76
2:1g:266:LEU:HD22	2:3g:262:ALA:O	1.85	0.76
2:3g:114:ARG:HD2	2:3g:114:ARG:O	1.85	0.76
2:6f:242:LEU:CD1	2:5h:235:PRO:C	2.58	0.76
2:8j:116:LYS:HE3	2:8j:116:LYS:CA	2.14	0.76
2:1k:263:VAL:CG1	2:3k:256:ALA:CB	2.62	0.76
2:6j:120:ILE:HD13	2:7k:120:ILE:HD13	1.63	0.76
2:6k:200:LEU:CD2	2:7e:196:LEU:HB3	2.16	0.76
2:8k:116:LYS:HE3	2:8k:116:LYS:CA	2.14	0.76
2:8m:174:LEU:HD11	2:9H:174:LEU:HD22	1.66	0.76
2:1m:28:ILE:CA	2:1t:73:VAL:HG11	2.16	0.76
2:1p:118:ILE:CG1	2:1p:120:ILE:HG23	2.14	0.76
2:2k:127:ASP:OD1	2:3n:122:VAL:HG23	1.86	0.76
2:5i:111:VAL:CG2	2:7j:57:MET:SD	2.74	0.76
2:5i:259:VAL:CG2	2:6o:258:ASP:C	2.59	0.76
2:6m:257:THR:C	2:8u:259:VAL:HB	1.95	0.76
2:6m:265:ASP:HB3	2:8u:266:LEU:HD21	0.78	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:97:TYR:O	2:6n:110:LEU:CB	2.22	0.76
2:6p:126:LYS:CG	2:8v:119:SER:HB3	2.15	0.76
2:7m:266:LEU:N	2:8v:266:LEU:HD22	2.01	0.76
2:8q:114:ARG:HD2	2:8q:114:ARG:O	1.85	0.76
2:8q:199:LEU:HD21	2:9H:186:ALA:C	2.09	0.76
2:8q:270:ILE:CB	2:9H:269:LEU:HD13	2.06	0.76
2:3q:234:LEU:HB2	2:4k:232:TYR:OH	1.86	0.76
2:5k:111:VAL:CG2	2:7o:57:MET:SD	2.74	0.76
2:8w:240:THR:HA	2:9I:246:LYS:HZ3	1.49	0.76
2:1v:114:ARG:HD2	2:1v:114:ARG:O	1.85	0.76
2:1x:114:ARG:HD2	2:1x:114:ARG:O	1.85	0.76
2:9M:198:GLN:O	2:9J:193:LYS:CE	2.33	0.76
1:1C:444:GLY:N	2:1g:45:LYS:HE3	1.94	0.76
1:3C:208:GLY:O	1:3C:212:GLU:CG	2.19	0.76
1:8A:444:GLY:C	2:8e:56:ASN:CG	2.54	0.76
1:1V:448:ALA:C	2:1t:41:TYR:HE1	1.90	0.76
1:5T:203:PRO:O	1:5T:204:THR:OG1	2.01	0.76
1:1b:447:GLN:NE2	2:1x:60:LEU:HD11	2.00	0.76
1:4Y:200:ILE:CD1	1:4Y:213:PHE:HD1	1.97	0.76
2:3e:209:LEU:HD21	2:4e:209:LEU:CD2	2.16	0.76
2:5e:111:VAL:CG2	2:7Z:57:MET:SD	2.74	0.76
2:5e:259:VAL:CG1	2:6g:258:ASP:CA	2.58	0.76
2:5e:259:VAL:CG2	2:6g:258:ASP:C	2.59	0.76
2:6h:148[B]:ILE:HD11	2:7c:148[B]:ILE:HD12	1.68	0.76
2:7c:193:LYS:HB3	2:8j:200:LEU:O	1.86	0.76
2:7c:278:ILE:HD13	2:8j:278:ILE:HG22	1.64	0.76
2:2f:200:LEU:CG	2:3j:200:LEU:CD1	2.63	0.76
2:3i:234:LEU:HB2	2:4g:232:TYR:OH	1.86	0.76
2:4h:114:ARG:HD2	2:4h:114:ARG:O	1.85	0.76
2:6k:243:GLY:HA2	2:7e:234:LEU:CD2	2.16	0.76
2:8k:232:TYR:HB3	2:9G:232:TYR:CB	2.12	0.76
2:1o:229:GLY:N	2:3o:231:PRO:CG	2.49	0.76
2:2j:148[B]:ILE:HD11	2:1t:148[B]:ILE:HD12	1.67	0.76
2:3m:246:LYS:HA	2:4i:238:THR:O	1.86	0.76
2:4j:73:VAL:HG11	2:3t:28:ILE:HA	1.68	0.76
2:5i:263:VAL:HG21	2:6o:256:ALA:HB3	0.76	0.76
2:8q:226:ILE:CG2	2:9H:214:PRO:HG3	2.15	0.76
2:1r:238:THR:O	2:2p:247:LYS:N	2.18	0.76
2:2q:239:THR:N	2:4k:247:LYS:HB3	2.01	0.76
2:6r:239:THR:HA	2:5n:247:LYS:CA	2.16	0.76
2:6t:120:ILE:HD11	2:7r:120:ILE:HD11	1.60	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:210:LEU:HA	2:9J:206:VAL:HG11	1.65	0.76
2:2u:127:ASP:OD1	2:3v:122:VAL:HG23	1.86	0.76
2:6x:126:LYS:HG2	2:9R:119:SER:HB3	1.67	0.76
1:1C:444:GLY:CA	2:1g:45:LYS:CD	2.44	0.76
1:4H:203:PRO:HA	1:4H:212:GLU:CD	2.11	0.76
1:1O:443:SER:C	2:1o:45:LYS:HZ2	1.92	0.76
1:2L:403:SER:HB3	2:2l:107:LEU:CD1	2.16	0.76
1:3R:448:ALA:HA	2:3m:41:TYR:CD1	2.20	0.76
1:5R:443:SER:HA	2:5j:45:LYS:HD3	1.68	0.76
1:3V:154:VAL:HG12	1:3V:154:VAL:O	1.85	0.76
1:4T:203:PRO:HA	1:4T:212:GLU:CD	2.11	0.76
1:1a:443:SER:OG	2:1w:45:LYS:CE	2.33	0.76
1:5d:443:SER:C	2:5n:44:VAL:HG22	2.11	0.76
1:7V:448:ALA:C	2:7v:58:TYR:O	2.29	0.76
2:1f:114:ARG:HD2	2:1f:114:ARG:O	1.85	0.76
2:2b:239:THR:N	2:4e:247:LYS:HB3	2.01	0.76
2:8g:263:VAL:HG23	2:8k:256:ALA:O	1.85	0.76
2:8j:114:ARG:HD2	2:8j:114:ARG:O	1.85	0.76
2:9F:226:ILE:HD12	2:9O:222:LEU:O	1.86	0.76
2:2f:206:VAL:HG22	2:3j:209:LEU:CG	2.15	0.76
2:2g:232:TYR:CD2	2:3i:232:TYR:CD1	2.73	0.76
2:5g:270:ILE:HG21	2:6k:251:VAL:HG22	1.68	0.76
2:5h:118:ILE:CG1	2:5h:120:ILE:HG23	2.14	0.76
2:6l:148[B]:ILE:HD11	2:7h:148[B]:ILE:HD12	1.67	0.76
2:7h:273:LEU:HD11	2:8p:273:LEU:CD1	2.16	0.76
2:8m:200:LEU:HD11	2:9H:200:LEU:CG	2.15	0.76
2:1m:73:VAL:HG11	2:2j:27:ILE:HA	1.67	0.76
2:1o:279:ILE:HG22	2:3o:272:VAL:HG13	1.64	0.76
2:3m:210:LEU:HA	2:4i:206:VAL:HG11	1.65	0.76
2:3m:248:GLY:O	2:4i:280:SER:CB	2.34	0.76
2:5i:270:ILE:HG21	2:6o:251:VAL:HG22	1.68	0.76
2:5j:114:ARG:O	2:5j:114:ARG:HD2	1.85	0.76
2:8q:180:VAL:HG22	2:9H:183:PHE:O	1.86	0.76
2:8y:263:VAL:HG23	2:9M:256:ALA:O	1.85	0.76
2:1v:238:THR:O	2:2u:247:LYS:N	2.18	0.76
2:2v:239:THR:N	2:4m:247:LYS:HB3	2.01	0.76
2:5m:266:LEU:CD1	2:6w:266:LEU:HA	2.16	0.76
2:5m:270:ILE:HG21	2:6w:251:VAL:HG22	1.68	0.76
2:6w:200:LEU:CD2	2:7t:196:LEU:HB3	2.16	0.76
2:9M:201:VAL:HA	2:9J:193:LYS:HD3	1.67	0.76
2:9R:114:ARG:HD2	2:9R:114:ARG:O	1.85	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8H:443:SER:CA	2:8l:45:LYS:HZ1	1.98	0.76
1:1O:444:GLY:CA	2:1o:45:LYS:CD	2.43	0.76
1:3P:154:VAL:O	1:3P:154:VAL:HG12	1.85	0.76
1:6U:110:TYR:CD2	1:6U:110:TYR:O	2.38	0.76
1:3c:200:ILE:HD12	1:3c:213:PHE:HD1	1.51	0.76
1:5c:445:GLY:C	2:5m:44:VAL:CG2	2.59	0.76
2:1g:237:ALA:HB1	2:3g:247:LYS:H	1.51	0.76
2:1g:263:VAL:HG22	2:3g:256:ALA:CB	2.14	0.76
2:2a:239:THR:CG2	2:3f:247:LYS:HG2	2.14	0.76
2:3e:246:LYS:CA	2:4e:238:THR:O	2.34	0.76
2:5e:270:ILE:HG21	2:6g:251:VAL:HG22	1.68	0.76
2:7b:270:ILE:CD1	2:9Q:253:ALA:HA	2.15	0.76
2:8e:198:GLN:O	2:9F:193:LYS:HE3	1.86	0.76
2:8e:240:THR:HA	2:9F:246:LYS:HZ3	1.51	0.76
2:8g:200:LEU:HD11	2:9G:200:LEU:CG	2.15	0.76
2:1j:200:LEU:HD12	2:3j:200:LEU:HD22	1.61	0.76
2:2e:209:LEU:HD21	2:1p:209:LEU:CD2	2.16	0.76
2:2g:196:LEU:HB3	2:3i:200:LEU:HD23	1.67	0.76
2:3i:248:GLY:O	2:4g:280:SER:CB	2.34	0.76
2:4h:73:VAL:HG11	2:3p:28:ILE:HA	1.68	0.76
2:5h:225:MET:SD	2:7f:209:LEU:HD12	2.26	0.76
2:6j:228:ALA:N	2:5j:223:ARG:HD3	2.01	0.76
2:6j:236:ALA:N	2:7k:242:LEU:HD13	2.01	0.76
2:7h:193:LYS:HE3	2:8p:199:LEU:C	2.11	0.76
2:8k:114:ARG:O	2:8k:114:ARG:HD2	1.85	0.76
2:8k:198:GLN:O	2:9G:193:LYS:HE3	1.86	0.76
2:1n:247:LYS:CB	2:3n:239:THR:CG2	2.64	0.76
2:2j:235:PRO:O	2:1t:242:LEU:HD13	1.86	0.76
2:2m:148[B]:ILE:HD11	2:4j:148[B]:ILE:HD12	1.67	0.76
2:4j:114:ARG:O	2:4j:114:ARG:HD2	1.85	0.76
2:6o:200:LEU:CD2	2:7j:196:LEU:HB3	2.16	0.76
2:7m:193:LYS:HB3	2:8v:200:LEU:O	1.86	0.76
2:8q:279:ILE:HA	2:9H:248:GLY:H	1.33	0.76
2:1r:247:LYS:CB	2:3r:239:THR:CG2	2.64	0.76
2:4l:73:VAL:HG11	2:3x:28:ILE:HA	1.68	0.76
2:3u:246:LYS:CA	2:4m:238:THR:O	2.34	0.76
1:3C:442:ALA:C	2:3h:45:LYS:HZ1	1.94	0.75
1:3D:154:VAL:O	1:3D:154:VAL:HG12	1.85	0.75
1:4F:443:SER:CA	2:4f:56:ASN:ND2	2.49	0.75
1:3K:200:ILE:HD12	1:3K:213:PHE:HD1	1.51	0.75
1:5L:446:ALA:CB	2:5h:56:ASN:CG	2.58	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6T:445:GLY:O	2:6s:44:VAL:HG22	1.86	0.75
1:2X:397:THR:HA	2:2t:107:LEU:HB2	1.68	0.75
1:3a:228:GLN:OE1	1:3a:228:GLN:N	2.16	0.75
2:1e:247:LYS:O	2:2Z:239:THR:CB	2.34	0.75
2:1h:73:VAL:HG11	2:1u:28:ILE:CA	2.16	0.75
2:2d:232:TYR:HB3	2:3k:232:TYR:CG	2.22	0.75
2:6f:200:LEU:HD22	2:5h:200:LEU:HD12	1.69	0.75
2:7c:193:LYS:HD3	2:8j:200:LEU:C	2.11	0.75
2:8e:226:ILE:CG2	2:9F:214:PRO:HG3	2.15	0.75
2:2g:246:LYS:CD	2:3i:240:THR:CA	2.56	0.75
2:3i:209:LEU:HD21	2:4g:209:LEU:CD2	2.16	0.75
2:8k:198:GLN:O	2:9G:193:LYS:CE	2.33	0.75
2:8n:119:SER:HB3	2:8r:126:LYS:HG3	1.67	0.75
2:8p:114:ARG:HD2	2:8p:114:ARG:O	1.85	0.75
2:2l:232:TYR:CD2	2:3m:232:TYR:CD1	2.73	0.75
2:6m:254:SER:C	2:8u:267:ASN:ND2	2.39	0.75
2:6m:256:ALA:N	2:8u:263:VAL:HG11	2.01	0.75
2:2o:209:LEU:HD21	2:1x:209:LEU:CD2	2.16	0.75
2:2p:127:ASP:OD1	2:3r:122:VAL:HG23	1.86	0.75
2:2p:201:VAL:CG2	2:3r:210:LEU:HD22	2.16	0.75
2:2s:158[B]:ILE:CD1	2:3w:154:ALA:HB1	2.14	0.75
2:5k:270:ILE:HG21	2:6s:251:VAL:HG22	1.68	0.75
2:5l:225:MET:SD	2:7p:209:LEU:HD12	2.26	0.75
2:6t:126:LYS:HG2	2:9L:119:SER:HB3	1.67	0.75
2:7r:273:LEU:HD11	2:9L:273:LEU:CD1	2.16	0.75
2:8y:200:LEU:HD11	2:9J:200:LEU:CG	2.15	0.75
2:9K:253:ALA:HA	2:7v:270:ILE:CD1	2.15	0.75
2:1u:247:LYS:O	2:2t:239:THR:CB	2.34	0.75
2:2u:200:LEU:CG	2:3v:200:LEU:CD1	2.63	0.75
2:3u:209:LEU:HD21	2:4m:209:LEU:CD2	2.16	0.75
2:6v:98:ALA:HA	2:6v:110:LEU:HB3	0.84	0.75
2:9M:114:ARG:O	2:9M:114:ARG:HD2	1.85	0.75
1:5H:203:PRO:O	1:5H:204:THR:OG1	2.01	0.75
1:8J:444:GLY:H	2:8o:45:LYS:CE	1.97	0.75
1:7N:392:THR:HA	2:7j:46:ASP:OD2	1.86	0.75
1:1V:445:GLY:C	2:1t:44:VAL:HG22	2.11	0.75
1:6X:446:ALA:C	2:6q:44:VAL:CG1	2.59	0.75
1:1a:444:GLY:H	2:1w:45:LYS:CE	1.94	0.75
1:2Y:447:GLN:O	2:2x:41:TYR:CE1	2.38	0.75
1:7U:448:ALA:HB3	2:7x:58:TYR:H	1.51	0.75
1:7X:446:ALA:CA	2:7t:41:TYR:HE2	1.89	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:200:LEU:CD1	2:2Z:200:LEU:CG	2.65	0.75
2:1g:263:VAL:HG11	2:3g:256:ALA:CA	2.17	0.75
2:6f:239:THR:HA	2:5h:247:LYS:CA	2.16	0.75
2:6f:239:THR:C	2:5h:246:LYS:HB3	2.11	0.75
2:7c:193:LYS:HE3	2:8j:199:LEU:C	2.11	0.75
2:8h:116:LYS:HE3	2:8h:116:LYS:CA	2.14	0.75
2:1i:247:LYS:O	2:2e:239:THR:CB	2.34	0.75
2:1k:270:ILE:CG1	2:3k:251:VAL:HG21	2.17	0.75
2:2e:247:LYS:N	2:1p:239:THR:CA	2.39	0.75
2:8k:180:VAL:HG22	2:9G:183:PHE:O	1.86	0.75
2:8k:226:ILE:O	2:9G:219:LYS:CG	2.30	0.75
2:1m:116:LYS:O	2:1m:118:ILE:HD13	1.83	0.75
2:1m:236:ALA:CA	2:2j:242:LEU:HD11	2.16	0.75
2:3m:114:ARG:HD2	2:3m:114:ARG:O	1.85	0.75
2:5i:266:LEU:CD1	2:6o:266:LEU:HA	2.16	0.75
2:6n:206:VAL:HG21	2:5l:209:LEU:O	1.85	0.75
2:6o:243:GLY:HA2	2:7j:234:LEU:CD2	2.16	0.75
2:7m:193:LYS:HD3	2:8v:200:LEU:C	2.11	0.75
2:7m:273:LEU:HD11	2:8v:273:LEU:CD1	2.16	0.75
2:8s:223:ARG:HA	2:9I:226:ILE:HD12	1.67	0.75
2:8t:119:SER:HB3	2:8x:126:LYS:HG3	1.67	0.75
2:5k:263:VAL:HG21	2:6s:256:ALA:HB3	0.76	0.75
2:5k:279:ILE:HD13	2:6s:251:VAL:HG11	1.69	0.75
2:6r:239:THR:CG2	2:5n:247:LYS:C	2.50	0.75
2:6r:239:THR:C	2:5n:246:LYS:HB3	2.11	0.75
2:8y:222:LEU:O	2:9J:226:ILE:HD12	1.86	0.75
1:2A:28:GLN:HE22	2:1l:27:ILE:HD12	1.45	0.75
1:6H:448:ALA:CB	2:6k:41:TYR:CD1	2.70	0.75
1:7M:204:THR:O	1:7M:205:SER:C	2.30	0.75
1:5X:443:SER:O	2:5l:44:VAL:HG21	1.86	0.75
1:7R:204:THR:O	1:7R:205:SER:C	2.30	0.75
1:3a:208:GLY:O	1:3a:212:GLU:CG	2.19	0.75
2:1g:229:GLY:N	2:3g:231:PRO:CG	2.49	0.75
2:2a:226:ILE:CD1	2:3f:223:ARG:HA	2.17	0.75
2:2c:225:MET:O	2:3l:219:LYS:CA	2.31	0.75
2:2c:226:ILE:CD1	2:3l:223:ARG:CA	2.64	0.75
2:4f:114:ARG:HD2	2:4f:114:ARG:O	1.85	0.75
2:7c:272:VAL:CG1	2:8j:279:ILE:HG22	2.17	0.75
2:1i:28:ILE:HA	2:1p:73:VAL:HG11	1.67	0.75
2:1i:236:ALA:CA	2:2e:242:LEU:HD11	2.16	0.75
2:1j:247:LYS:CB	2:3j:239:THR:CG2	2.64	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2e:148[B]:ILE:HD11	2:1p:148[B]:ILE:HD12	1.67	0.75
2:2e:247:LYS:N	2:1p:238:THR:C	2.42	0.75
2:2h:148[B]:ILE:HD11	2:4h:148[B]:ILE:CD1	2.16	0.75
2:3i:246:LYS:HA	2:4g:238:THR:O	1.86	0.75
2:5g:263:VAL:HG21	2:6k:256:ALA:HB3	0.76	0.75
2:6j:97:TYR:O	2:6j:110:LEU:CB	2.22	0.75
2:6j:236:ALA:N	2:7k:242:LEU:CD1	2.49	0.75
2:7h:231:PRO:HA	2:8p:229:GLY:HA3	1.66	0.75
2:1n:114:ARG:HD2	2:1n:114:ARG:O	1.85	0.75
2:2l:196:LEU:HB3	2:3m:200:LEU:HD23	1.67	0.75
2:7m:272:VAL:CG1	2:8v:279:ILE:HG22	2.17	0.75
2:8s:200:LEU:CD1	2:9I:200:LEU:CG	2.65	0.75
2:8s:222:LEU:O	2:9I:226:ILE:HD12	1.86	0.75
2:2p:200:LEU:CG	2:3r:200:LEU:CD1	2.63	0.75
2:2q:230:VAL:C	2:3q:229:GLY:HA3	2.10	0.75
2:6s:243:GLY:HA2	2:7o:234:LEU:CD2	2.16	0.75
2:1u:73:VAL:HG11	2:2t:27:ILE:HA	1.67	0.75
2:1w:263:VAL:CG1	2:3w:256:ALA:CB	2.62	0.75
2:5m:111:VAL:CG2	2:7t:57:MET:SD	2.74	0.75
2:7w:193:LYS:HE3	2:9R:199:LEU:C	2.11	0.75
2:7w:193:LYS:HB3	2:9R:200:LEU:O	1.86	0.75
2:7w:273:LEU:HD11	2:9R:273:LEU:CD1	2.16	0.75
2:9O:97:TYR:O	2:9O:110:LEU:CB	2.22	0.75
1:1H:448:ALA:HB2	2:1j:41:TYR:HD1	1.01	0.75
1:6N:405:SER:HB2	2:6o:16:TYR:OH	1.86	0.75
1:7M:26:ASN:OD1	2:8n:52:LEU:HD11	1.84	0.75
1:7O:448:ALA:HB2	2:7m:60:LEU:HD12	1.68	0.75
1:8Q:445:GLY:HA2	2:8t:45:LYS:HG2	1.67	0.75
1:6T:443:SER:C	2:6s:56:ASN:HD21	1.77	0.75
1:7P:25:ARG:NE	2:6s:52:LEU:O	2.17	0.75
2:1e:28:ILE:CA	2:1l:73:VAL:HG11	2.16	0.75
2:1h:209:LEU:CD2	2:2t:209:LEU:HD21	2.16	0.75
2:3h:28:ILE:HA	2:4n:73:VAL:HG11	1.68	0.75
2:5f:244:GLY:HA3	2:6v:242:LEU:CB	2.13	0.75
2:7c:273:LEU:HD11	2:8j:273:LEU:CD1	2.16	0.75
2:8g:244:GLY:HA3	2:9G:242:LEU:HA	1.66	0.75
2:1i:28:ILE:CA	2:1p:73:VAL:HG11	2.16	0.75
2:1k:263:VAL:HG11	2:3k:256:ALA:CA	2.16	0.75
2:2g:248:GLY:O	2:3i:280:SER:CB	2.34	0.75
2:5g:259:VAL:CG2	2:6k:258:ASP:C	2.59	0.75
2:8m:98:ALA:CA	2:8m:110:LEU:CB	2.54	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:219:LYS:HA	2:3m:226:ILE:HA	1.68	0.75
2:2m:222:LEU:HD23	2:3t:209:LEU:HD11	1.68	0.75
2:3m:246:LYS:CA	2:4i:238:THR:O	2.34	0.75
2:6n:228:ALA:N	2:5l:223:ARG:HD3	2.01	0.75
2:6n:236:ALA:N	2:7p:242:LEU:CD1	2.50	0.75
2:1r:226:ILE:O	2:2p:223:ARG:HG3	1.86	0.75
2:1s:237:ALA:CB	2:3s:246:LYS:CA	2.62	0.75
2:2o:200:LEU:HD11	2:1x:200:LEU:HD13	1.69	0.75
2:2r:225:MET:O	2:3x:219:LYS:CA	2.31	0.75
2:3s:116:LYS:HE3	2:3s:116:LYS:CA	2.14	0.75
2:5k:266:LEU:CD1	2:6s:266:LEU:HA	2.16	0.75
2:6r:228:ALA:N	2:5n:223:ARG:HD3	2.01	0.75
2:2u:239:THR:CG2	2:3v:247:LYS:HG2	2.14	0.75
2:3w:116:LYS:HE3	2:3w:116:LYS:CA	2.14	0.75
1:7E:447:GLN:HA	2:7c:41:TYR:CE1	2.17	0.75
1:7G:448:ALA:CB	2:7g:41:TYR:CD1	2.67	0.75
1:2R:447:GLN:O	2:2p:41:TYR:HD1	1.63	0.75
1:5X:444:GLY:N	2:5l:44:VAL:HG22	2.02	0.75
1:6Y:447:GLN:HA	2:6x:56:ASN:O	1.87	0.75
1:8b:446:ALA:HA	2:9Q:44:VAL:H	1.50	0.75
2:2b:196:LEU:HB3	2:3e:200:LEU:HD23	1.67	0.75
2:2b:230:VAL:C	2:3e:229:GLY:HA3	2.10	0.75
2:2c:202:SER:HB3	2:3l:193:LYS:CD	2.15	0.75
2:3f:110:LEU:O	2:3f:110:LEU:HD22	1.87	0.75
2:5e:245:VAL:C	2:7Z:242:LEU:HD22	2.05	0.75
2:6h:111:VAL:CG2	2:7c:57:MET:CE	2.63	0.75
2:1k:110:LEU:O	2:1k:110:LEU:HD22	1.87	0.75
2:2g:219:LYS:HA	2:3i:226:ILE:HA	1.68	0.75
2:2h:222:LEU:HD23	2:3p:209:LEU:HD11	1.68	0.75
2:6k:239:THR:CA	2:7e:247:LYS:N	2.40	0.75
2:8k:154:ALA:HB2	2:9G:158[A]:ILE:HA	1.67	0.75
2:8k:240:THR:HA	2:9G:246:LYS:HZ3	1.51	0.75
2:8m:200:LEU:CD1	2:9H:200:LEU:CG	2.65	0.75
2:2l:239:THR:N	2:4i:247:LYS:HB3	2.01	0.75
2:6n:242:LEU:CB	2:5l:244:GLY:HA3	2.13	0.75
2:7m:193:LYS:HE3	2:8v:199:LEU:C	2.11	0.75
2:8q:279:ILE:C	2:9H:248:GLY:N	2.39	0.75
2:8s:227:GLY:O	2:8w:231:PRO:CD	2.21	0.75
2:1q:97:TYR:O	2:1q:110:LEU:CB	2.22	0.75
2:1q:200:LEU:CD1	2:2o:200:LEU:CG	2.65	0.75
2:6r:200:LEU:HD22	2:5n:200:LEU:HD12	1.69	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:98:ALA:HA	2:8y:110:LEU:HB3	0.84	0.75
2:8z:119:SER:HB3	2:9N:126:LYS:HG3	1.67	0.75
2:8z:242:LEU:CD2	2:7x:244:GLY:CA	2.49	0.75
2:9K:254:SER:CB	2:7v:266:LEU:CD2	2.63	0.75
2:1v:226:ILE:O	2:2u:223:ARG:HG3	1.86	0.75
2:1w:237:ALA:HB1	2:3w:247:LYS:H	1.51	0.75
2:1w:263:VAL:HG11	2:3w:256:ALA:CA	2.17	0.75
2:2w:148[B]:ILE:HD11	2:4n:148[B]:ILE:HD12	1.67	0.75
2:9M:232:TYR:HD1	2:9J:232:TYR:O	1.64	0.75
2:9O:110:LEU:O	2:9O:110:LEU:HD22	1.87	0.75
1:4T:154:VAL:HG12	1:4T:154:VAL:O	1.86	0.75
1:6T:446:ALA:O	2:6s:56:ASN:N	2.19	0.75
1:7Q:25:ARG:HH12	2:9L:51:ASP:CG	1.94	0.75
1:8S:392:THR:CG2	2:8w:107:LEU:CG	2.65	0.75
1:2V:356:PRO:CG	1:2V:369:PHE:HD2	1.97	0.75
1:3c:447:GLN:HG3	2:3v:56:ASN:HB2	1.68	0.75
1:6Y:447:GLN:OE1	2:6x:58:TYR:N	2.19	0.75
1:6d:448:ALA:N	2:6u:56:ASN:O	2.20	0.75
2:1g:270:ILE:CG1	2:3g:251:VAL:HG21	2.17	0.75
2:1h:114:ARG:O	2:1h:114:ARG:HD2	1.85	0.75
2:1h:243:GLY:H	2:2t:244:GLY:HA3	1.42	0.75
2:2Z:222:LEU:HD13	2:1l:226:ILE:HG21	1.69	0.75
2:2c:148[B]:ILE:HD11	2:4f:148[B]:ILE:CD1	2.16	0.75
2:6h:97:TYR:O	2:6h:110:LEU:CB	2.22	0.75
2:8e:253:ALA:HB1	2:9O:267:ASN:OD1	1.87	0.75
2:2i:232:TYR:HB3	2:3o:232:TYR:CG	2.21	0.75
2:3l:110:LEU:O	2:3l:110:LEU:HD22	1.87	0.75
2:6j:239:THR:C	2:5j:246:LYS:HB3	2.11	0.75
2:6l:110:LEU:O	2:6l:110:LEU:HD22	1.87	0.75
2:8m:234:LEU:HD22	2:9H:242:LEU:O	1.86	0.75
2:1o:229:GLY:HA3	2:3o:231:PRO:CG	2.17	0.75
2:1o:270:ILE:CG1	2:3o:251:VAL:HG21	2.17	0.75
2:2j:209:LEU:HD21	2:1t:209:LEU:CD2	2.16	0.75
2:2m:148[B]:ILE:HD11	2:4j:148[B]:ILE:CD1	2.16	0.75
2:2n:262:ALA:HB2	2:3s:263:VAL:CG2	2.16	0.75
2:5j:57:MET:HE2	2:7k:111:VAL:HG13	1.66	0.75
2:6n:236:ALA:N	2:7p:242:LEU:HD13	2.01	0.75
2:6n:239:THR:HA	2:5l:247:LYS:CA	2.16	0.75
2:8s:131:THR:OG1	2:8w:141:PRO:CD	2.35	0.75
2:1q:238:THR:C	2:1x:247:LYS:CB	2.60	0.75
2:2o:246:LYS:CB	2:1x:239:THR:O	2.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2r:148[B]:ILE:HD11	2:4l:148[B]:ILE:CD1	2.16	0.75
2:3q:248:GLY:O	2:4k:280:SER:CB	2.34	0.75
2:3r:110:LEU:O	2:3r:110:LEU:HD22	1.87	0.75
2:5k:259:VAL:CG2	2:6s:258:ASP:C	2.59	0.75
2:6q:265:ASP:HB3	2:9K:266:LEU:HD21	0.78	0.75
2:7s:27:ILE:HA	2:8x:73:VAL:HG11	1.69	0.75
2:5m:279:ILE:HD13	2:6w:251:VAL:HG11	1.68	0.75
2:6x:110:LEU:O	2:6x:110:LEU:HD22	1.87	0.75
2:6x:148[B]:ILE:HD11	2:7w:148[B]:ILE:HD12	1.68	0.75
1:4B:203:PRO:HA	1:4B:212:GLU:CD	2.11	0.75
1:4H:154:VAL:O	1:4H:154:VAL:HG12	1.86	0.75
1:7G:447:GLN:HG3	2:7g:44:VAL:HG21	1.68	0.75
1:3Q:200:ILE:HD12	1:3Q:213:PHE:HD1	1.51	0.75
1:4N:154:VAL:O	1:4N:154:VAL:HG12	1.87	0.75
1:7U:448:ALA:O	2:7x:60:LEU:HD12	1.86	0.75
1:7W:447:GLN:HG2	2:7u:56:ASN:HB2	1.69	0.75
2:1f:247:LYS:CB	2:3f:239:THR:CG2	2.64	0.75
2:3h:223:ARG:N	2:2w:226:ILE:O	2.18	0.75
2:5f:247:LYS:CA	2:6v:239:THR:HA	2.16	0.75
2:6f:226:ILE:HG22	2:5h:222:LEU:HD13	1.67	0.75
2:8e:200:LEU:C	2:9F:193:LYS:CD	2.49	0.75
2:8g:246:LYS:CA	2:9G:238:THR:O	2.35	0.75
2:8i:110:LEU:O	2:8i:110:LEU:HD22	1.87	0.75
2:1i:200:LEU:CD1	2:2e:200:LEU:CG	2.65	0.75
2:5g:229:GLY:O	2:7e:228:ALA:HA	1.87	0.75
2:6i:265:ASP:HB3	2:8o:266:LEU:HD21	0.78	0.75
2:8m:222:LEU:HB2	2:9H:226:ILE:HG22	1.50	0.75
2:1m:110:LEU:O	2:1m:110:LEU:HD22	1.87	0.75
2:1o:183:PHE:CD2	2:3o:183:PHE:CZ	2.75	0.75
2:2k:206:VAL:HG22	2:3n:209:LEU:CG	2.15	0.75
2:2k:238:THR:O	2:3n:246:LYS:HA	1.87	0.75
2:7k:19:LEU:HD12	2:7k:41:TYR:CD2	2.20	0.75
2:8q:279:ILE:HG21	2:9H:273:LEU:HD23	1.66	0.75
2:8u:74:GLY:HA3	2:7q:23:GLN:HG3	1.69	0.75
2:8u:110:LEU:O	2:8u:110:LEU:HD22	1.87	0.75
2:1s:183:PHE:CD2	2:3s:183:PHE:CZ	2.75	0.75
2:1s:229:GLY:HA3	2:3s:231:PRO:CG	2.17	0.75
2:2q:120:ILE:HD11	2:3q:125:ILE:HG12	1.68	0.75
2:2q:219:LYS:HA	2:3q:226:ILE:HA	1.68	0.75
2:6q:256:ALA:N	2:9K:263:VAL:HG11	2.01	0.75
2:7r:193:LYS:HB3	2:9L:200:LEU:O	1.86	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:278:ILE:HD13	2:9L:278:ILE:HG22	1.64	0.75
2:8y:267:ASN:OD1	2:9M:253:ALA:HB1	1.87	0.75
2:2u:206:VAL:HG22	2:3v:209:LEU:CG	2.15	0.75
2:2u:226:ILE:HD12	2:3v:222:LEU:C	2.12	0.75
2:3u:234:LEU:HB2	2:4m:232:TYR:OH	1.86	0.75
2:3u:246:LYS:HA	2:4m:238:THR:O	1.86	0.75
2:5m:266:LEU:HD23	2:6w:265:ASP:HB2	1.65	0.75
2:7w:272:VAL:CG1	2:9R:279:ILE:HG22	2.17	0.75
2:9Q:97:TYR:O	2:9Q:110:LEU:CB	2.22	0.75
1:1C:443:SER:OG	2:1g:45:LYS:CE	2.35	0.75
1:8A:444:GLY:CA	2:8e:56:ASN:ND2	2.48	0.75
1:4Q:209:ALA:HB1	1:4Q:212:GLU:HG3	1.65	0.75
1:5R:419:ASP:HB3	1:5R:425:LYS:HZ3	1.50	0.75
1:3U:202:GLU:CG	1:3U:343:SER:CB	2.65	0.75
1:7R:447:GLN:HG2	2:7p:56:ASN:HB2	1.67	0.75
1:6Y:447:GLN:HE22	2:6x:58:TYR:HB2	1.52	0.75
2:1e:236:ALA:CA	2:2Z:242:LEU:HD11	2.16	0.75
2:3e:234:LEU:HB2	2:4e:232:TYR:OH	1.86	0.75
2:3h:110:LEU:O	2:3h:110:LEU:HD22	1.87	0.75
2:5e:263:VAL:HG21	2:6g:256:ALA:HB3	0.76	0.75
2:6g:243:GLY:HA2	2:7Z:234:LEU:CD2	2.16	0.75
2:6h:126:LYS:HG2	2:8j:119:SER:HB3	1.67	0.75
2:8e:256:ALA:O	2:9O:263:VAL:HG23	1.85	0.75
2:8g:222:LEU:O	2:9G:226:ILE:HD12	1.86	0.75
2:9F:226:ILE:HD12	2:9O:223:ARG:HA	1.68	0.75
2:2e:219:LYS:HB3	2:1p:226:ILE:C	2.12	0.75
2:2i:148[B]:ILE:CD1	2:1o:148[B]:ILE:CD1	2.65	0.75
2:7h:193:LYS:HB3	2:8p:200:LEU:O	1.86	0.75
2:7h:272:VAL:CG1	2:8p:279:ILE:HG22	2.17	0.75
2:8m:110:LEU:O	2:8m:110:LEU:HD22	1.87	0.75
2:8m:131:THR:OG1	2:8q:141:PRO:CD	2.35	0.75
2:8m:267:ASN:OD1	2:8q:253:ALA:HB1	1.87	0.75
2:1m:200:LEU:CD1	2:2j:200:LEU:CG	2.65	0.75
2:2k:239:THR:CG2	2:3n:247:LYS:HG2	2.15	0.75
2:3m:234:LEU:HB2	2:4i:232:TYR:OH	1.86	0.75
2:3n:110:LEU:O	2:3n:110:LEU:HD22	1.87	0.75
2:1r:116:LYS:HE3	2:1r:116:LYS:CA	2.14	0.75
2:1s:229:GLY:N	2:3s:231:PRO:CG	2.49	0.75
2:2q:248:GLY:O	2:3q:280:SER:CB	2.34	0.75
2:3q:209:LEU:HD21	2:4k:209:LEU:CD2	2.16	0.75
2:6r:236:ALA:N	2:7u:242:LEU:CD1	2.49	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:234:LEU:CD2	2:9L:234:LEU:CD1	2.65	0.75
2:8y:200:LEU:CD1	2:9J:200:LEU:CG	2.65	0.75
2:1w:110:LEU:O	2:1w:110:LEU:HD22	1.87	0.75
2:2u:201:VAL:CG2	2:3v:210:LEU:HD22	2.16	0.75
2:2w:148[B]:ILE:HD11	2:4n:148[B]:ILE:CD1	2.16	0.75
2:5m:259:VAL:CG1	2:6w:258:ASP:N	2.44	0.75
2:5m:259:VAL:CG2	2:6w:258:ASP:C	2.59	0.75
2:9Q:110:LEU:O	2:9Q:110:LEU:HD22	1.87	0.75
1:2B:356:PRO:CD	1:2B:369:PHE:CD2	2.66	0.75
1:3I:202:GLU:CG	1:3I:343:SER:CB	2.65	0.75
1:3K:445:GLY:O	2:3j:44:VAL:N	2.16	0.75
1:4K:209:ALA:HB1	1:4K:212:GLU:HG3	1.65	0.75
1:9B:26:ASN:HA	2:9M:52:LEU:HD12	1.68	0.75
1:4M:200:ILE:O	1:4M:343:SER:HA	1.87	0.75
1:1S:446:ALA:H	2:1q:44:VAL:N	1.85	0.75
1:6X:445:GLY:O	2:6q:44:VAL:CA	2.34	0.75
1:6X:446:ALA:N	2:6q:44:VAL:HG22	1.96	0.75
1:1Y:446:ALA:H	2:1u:44:VAL:H	1.35	0.75
1:7V:447:GLN:O	2:7v:41:TYR:HD1	1.62	0.75
2:2Z:200:LEU:HD11	2:1l:200:LEU:HD13	1.69	0.75
2:2Z:219:LYS:HB3	2:1l:226:ILE:C	2.12	0.75
2:2b:197:GLN:HG3	2:3e:200:LEU:O	1.87	0.75
2:5e:266:LEU:HD23	2:6g:265:ASP:HB2	1.64	0.75
2:6e:167:LYS:HE3	2:8i:173:LEU:C	2.10	0.75
2:8e:200:LEU:C	2:9F:193:LYS:HD3	2.12	0.75
2:1k:183:PHE:CD2	2:3k:183:PHE:CZ	2.75	0.75
2:2f:19:LEU:HD12	2:2f:41:TYR:CD2	2.20	0.75
2:2i:141:PRO:HB2	2:3o:150:GLU:CD	2.12	0.75
2:7i:27:ILE:HA	2:8l:73:VAL:HG11	1.69	0.75
2:6n:239:THR:C	2:5l:246:LYS:HB3	2.11	0.75
2:7n:27:ILE:HA	2:8r:73:VAL:HG11	1.69	0.75
2:8s:267:ASN:OD1	2:8w:253:ALA:HB1	1.87	0.75
2:1q:28:ILE:CA	2:1x:73:VAL:HG11	2.16	0.75
2:1s:110:LEU:O	2:1s:110:LEU:HD22	1.87	0.75
2:1s:245:VAL:HG22	2:3s:245:VAL:HG22	1.69	0.75
2:8w:198:GLN:O	2:9I:193:LYS:HE3	1.86	0.75
2:7w:234:LEU:CD2	2:9R:234:LEU:CD1	2.65	0.75
1:1D:445:GLY:N	2:1h:44:VAL:CG2	2.50	0.74
1:4F:446:ALA:HB1	2:4f:56:ASN:CB	2.11	0.74
1:5F:446:ALA:HB2	2:5f:56:ASN:CG	2.10	0.74
1:6A:444:GLY:O	2:6h:45:LYS:HD2	1.87	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7A:447:GLN:O	2:7d:41:TYR:CD1	2.40	0.74
1:4L:448:ALA:HB3	2:4h:41:TYR:HE1	1.49	0.74
1:6K:208:GLY:O	1:6K:212:GLU:HG3	1.87	0.74
1:1Q:203:PRO:HA	1:1Q:209:ALA:HB3	1.68	0.74
1:4N:203:PRO:HA	1:4N:212:GLU:CD	2.11	0.74
1:4Z:154:VAL:O	1:4Z:154:VAL:HG12	1.87	0.74
1:6c:208:GLY:O	1:6c:212:GLU:HG3	1.87	0.74
2:1h:226:ILE:HG21	2:2t:222:LEU:HD13	1.69	0.74
2:2b:248:GLY:O	2:3e:280:SER:CB	2.34	0.74
2:4e:98:ALA:CA	2:4e:110:LEU:CB	2.54	0.74
2:5f:246:LYS:HB3	2:6v:239:THR:C	2.11	0.74
2:8g:98:ALA:CA	2:8g:110:LEU:CB	2.54	0.74
2:1i:238:THR:C	2:1p:247:LYS:CB	2.60	0.74
2:2h:226:ILE:CD1	2:3p:223:ARG:CA	2.63	0.74
2:3i:247:LYS:O	2:4g:239:THR:CG2	2.35	0.74
2:6k:228:ALA:HA	2:7e:223:ARG:HD3	1.58	0.74
2:7h:266:LEU:N	2:8p:266:LEU:HD22	2.01	0.74
2:8m:244:GLY:HA3	2:9H:242:LEU:HA	1.66	0.74
2:2n:148[B]:ILE:CD1	2:1s:148[B]:ILE:CD1	2.65	0.74
2:2n:232:TYR:HB3	2:3s:232:TYR:CG	2.21	0.74
2:3m:209:LEU:HD21	2:4i:209:LEU:CD2	2.16	0.74
2:3m:259:VAL:HG22	2:4i:259:VAL:HG22	1.68	0.74
2:6m:251:VAL:O	2:8u:270:ILE:HG23	1.88	0.74
2:7n:57:MET:HB3	2:8r:61:ALA:HB3	1.69	0.74
2:8q:240:THR:HA	2:9H:246:LYS:HZ3	1.49	0.74
2:2o:141:PRO:HB2	2:1x:150:GLU:CD	2.12	0.74
2:2p:226:ILE:HD12	2:3r:222:LEU:C	2.12	0.74
2:2r:226:ILE:O	2:3x:223:ARG:N	2.19	0.74
2:2s:262:ALA:HB2	2:3w:263:VAL:CG2	2.16	0.74
2:3q:246:LYS:CA	2:4k:238:THR:O	2.34	0.74
2:6r:206:VAL:HG21	2:5n:209:LEU:O	1.85	0.74
2:6s:242:LEU:HD22	2:7o:244:GLY:O	1.87	0.74
2:6t:110:LEU:O	2:6t:110:LEU:HD22	1.87	0.74
2:7r:193:LYS:HE3	2:9L:199:LEU:C	2.11	0.74
2:1u:212:GLY:CA	2:2t:203:ASN:HD22	2.00	0.74
2:2v:19:LEU:HD12	2:2v:41:TYR:CD2	2.20	0.74
2:6u:256:ALA:H	2:9Q:263:VAL:CG2	1.98	0.74
2:7w:278:ILE:HD13	2:9R:278:ILE:HG22	1.64	0.74
1:3C:202:GLU:CG	1:3C:343:SER:CB	2.65	0.74
1:3E:200:ILE:HD12	1:3E:213:PHE:HD1	1.51	0.74
1:6E:202:GLU:C	1:6E:209:ALA:HB1	2.05	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3O:202:GLU:CG	1:3O:343:SER:CB	2.65	0.74
1:5R:447:GLN:O	2:5j:60:LEU:HD12	1.87	0.74
1:8X:444:GLY:N	2:8y:45:LYS:HE3	2.00	0.74
1:5c:442:ALA:O	2:5m:45:LYS:NZ	2.14	0.74
1:7U:448:ALA:O	2:7x:60:LEU:CB	2.36	0.74
2:1e:73:VAL:HG11	2:2Z:27:ILE:HA	1.67	0.74
2:1g:148[B]:ILE:CD1	2:2x:148[B]:ILE:CD1	2.65	0.74
2:1g:263:VAL:CG1	2:3g:256:ALA:CB	2.62	0.74
2:1h:242:LEU:HD13	2:2t:235:PRO:O	1.86	0.74
2:5e:110:LEU:O	2:5e:110:LEU:HD22	1.87	0.74
2:6e:257:THR:N	2:8i:259:VAL:HG11	2.02	0.74
2:6f:239:THR:CG2	2:5h:247:LYS:C	2.50	0.74
2:8e:141:PRO:CD	2:9O:131:THR:OG1	2.35	0.74
2:9F:200:LEU:CG	2:9O:200:LEU:CD1	2.65	0.74
2:9F:206:VAL:HG21	2:9O:209:LEU:C	2.13	0.74
2:3i:246:LYS:CA	2:4g:238:THR:O	2.34	0.74
2:3i:259:VAL:HG22	2:4g:259:VAL:HG22	1.68	0.74
2:4g:98:ALA:CA	2:4g:110:LEU:CB	2.54	0.74
2:4h:247:LYS:HZ3	2:3p:239:THR:N	1.85	0.74
2:6j:120:ILE:HD11	2:7k:120:ILE:HD13	0.77	0.74
2:6j:200:LEU:HD22	2:5j:200:LEU:HD12	1.69	0.74
2:8m:246:LYS:CA	2:9H:238:THR:O	2.35	0.74
2:1n:226:ILE:O	2:2k:223:ARG:HG3	1.86	0.74
2:1o:237:ALA:CB	2:3o:246:LYS:CA	2.62	0.74
2:2k:226:ILE:CD1	2:3n:223:ARG:HA	2.17	0.74
2:2n:141:PRO:HB2	2:3s:150:GLU:CD	2.12	0.74
2:5i:118:ILE:HG12	2:7j:118:ILE:HD13	1.69	0.74
2:6n:110:LEU:O	2:6n:110:LEU:HD22	1.87	0.74
2:6p:98:ALA:CA	2:6p:110:LEU:CB	2.54	0.74
2:6p:110:LEU:O	2:6p:110:LEU:HD22	1.87	0.74
2:7m:234:LEU:CD2	2:8v:234:LEU:CD1	2.65	0.74
2:8s:98:ALA:CA	2:8s:110:LEU:CB	2.54	0.74
2:8s:235:PRO:C	2:9I:242:LEU:HD12	2.07	0.74
2:8s:244:GLY:CA	2:9I:242:LEU:HA	2.17	0.74
2:1q:247:LYS:O	2:2o:239:THR:CB	2.34	0.74
2:1s:184:LEU:HD21	2:3s:184:LEU:CD2	2.17	0.74
2:2q:197:GLN:HG3	2:3q:200:LEU:O	1.87	0.74
2:4k:110:LEU:O	2:4k:110:LEU:HD22	1.87	0.74
2:6t:111:VAL:CG2	2:7r:57:MET:CE	2.63	0.74
2:8y:244:GLY:CA	2:9J:242:LEU:HA	2.18	0.74
2:8y:246:LYS:CA	2:9J:238:THR:O	2.35	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2v:197:GLN:HG3	2:3u:200:LEU:O	1.87	0.74
2:2v:248:GLY:O	2:3u:280:SER:CB	2.34	0.74
2:3u:259:VAL:HG22	2:4m:259:VAL:HG22	1.68	0.74
2:7w:247:LYS:N	2:9R:237:ALA:HB1	2.02	0.74
2:9M:240:THR:CA	2:9J:246:LYS:NZ	2.40	0.74
1:3D:445:GLY:O	2:3g:44:VAL:HG22	1.87	0.74
1:8B:202:GLU:O	1:8B:203:PRO:C	2.31	0.74
1:8D:447:GLN:HG2	2:8i:44:VAL:CG2	2.17	0.74
1:3O:228:GLN:OE1	1:3O:228:GLN:N	2.17	0.74
1:6N:443:SER:CA	2:6o:56:ASN:HD22	1.95	0.74
1:8M:447:GLN:HE21	2:8q:44:VAL:HG11	1.51	0.74
1:8R:447:GLN:OE1	2:8s:44:VAL:HG22	1.86	0.74
1:9C:447:GLN:O	2:9H:41:TYR:HD1	1.64	0.74
1:3a:202:GLU:CG	1:3a:343:SER:CB	2.65	0.74
1:7W:204:THR:O	1:7W:205:SER:C	2.30	0.74
2:1f:226:ILE:O	2:2a:223:ARG:HG3	1.86	0.74
2:1f:228:ALA:HB3	2:3f:228:ALA:HB2	1.69	0.74
2:1g:120:ILE:HD12	2:2x:120:ILE:HD13	1.60	0.74
2:1g:254:SER:N	2:2x:267:ASN:OD1	2.17	0.74
2:2Z:209:LEU:HD21	2:1l:209:LEU:CD2	2.16	0.74
2:2a:226:ILE:HD12	2:3f:222:LEU:C	2.12	0.74
2:2a:242:LEU:HD12	2:3f:235:PRO:C	2.12	0.74
2:2d:267:ASN:OD1	2:1k:254:SER:N	2.17	0.74
2:3e:234:LEU:HD21	2:4e:243:GLY:HA2	1.69	0.74
2:3e:248:GLY:O	2:4e:280:SER:CB	2.34	0.74
2:1k:97:TYR:O	2:1k:110:LEU:CB	2.22	0.74
2:7i:226:ILE:HD11	2:8l:226:ILE:HD11	1.65	0.74
2:1m:247:LYS:O	2:2j:239:THR:CB	2.34	0.74
2:2m:200:LEU:HD13	2:3t:200:LEU:HD22	1.69	0.74
2:5i:97:TYR:O	2:5i:110:LEU:CB	2.22	0.74
2:7m:266:LEU:CA	2:8v:266:LEU:CD1	2.61	0.74
2:8t:242:LEU:CB	2:7s:234:LEU:HD21	2.10	0.74
2:1s:237:ALA:HB1	2:3s:247:LYS:H	1.51	0.74
2:1s:263:VAL:HG11	2:3s:256:ALA:CA	2.17	0.74
2:1s:279:ILE:HG22	2:3s:272:VAL:HG13	1.64	0.74
2:2s:141:PRO:HB2	2:3w:150:GLU:CD	2.12	0.74
2:2s:232:TYR:HB3	2:3w:232:TYR:CG	2.21	0.74
2:6r:236:ALA:N	2:7u:242:LEU:HD13	2.01	0.74
2:7r:272:VAL:CG1	2:9L:279:ILE:HG22	2.17	0.74
2:8w:180:VAL:HG22	2:9I:183:PHE:O	1.86	0.74
2:8w:279:ILE:HG21	2:9I:273:LEU:HD23	1.66	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:270:ILE:CD1	2:9M:253:ALA:CA	2.62	0.74
2:1v:228:ALA:HB3	2:3v:228:ALA:HB2	1.69	0.74
2:2v:120:ILE:HD11	2:3u:125:ILE:HG12	1.68	0.74
2:2v:219:LYS:HA	2:3u:226:ILE:HA	1.68	0.74
2:9M:154:ALA:HB2	2:9J:158[A]:ILE:HA	1.67	0.74
1:4E:209:ALA:HB1	1:4E:212:GLU:HG3	1.65	0.74
1:6B:443:SER:CA	2:6g:56:ASN:HD21	2.00	0.74
1:8A:447:GLN:HG2	2:8e:44:VAL:HG11	1.69	0.74
1:2F:447:GLN:O	2:2h:41:TYR:HD1	1.69	0.74
1:3I:443:SER:N	2:3l:45:LYS:NZ	2.36	0.74
1:1M:446:ALA:H	2:1m:44:VAL:H	1.34	0.74
1:1S:208:GLY:O	1:1S:212:GLU:HG3	1.88	0.74
1:3W:200:ILE:HD12	1:3W:213:PHE:HD1	1.51	0.74
1:8X:447:GLN:HG2	2:8y:42:VAL:HG13	1.69	0.74
1:9E:447:GLN:CG	2:9J:41:TYR:OH	2.24	0.74
2:1e:212:GLY:CA	2:2Z:203:ASN:HD22	2.00	0.74
2:2Z:141:PRO:HB2	2:1l:150:GLU:CD	2.12	0.74
2:2a:240:THR:HA	2:3f:246:LYS:CD	2.13	0.74
2:2b:19:LEU:HD12	2:2b:41:TYR:CD2	2.20	0.74
2:2d:262:ALA:HB2	2:3k:263:VAL:CG2	2.16	0.74
2:6f:228:ALA:N	2:5h:223:ARG:HD3	2.01	0.74
2:8g:270:ILE:HD13	2:8k:253:ALA:CA	2.17	0.74
2:9F:200:LEU:CG	2:9O:200:LEU:HD11	2.15	0.74
2:1k:237:ALA:HB1	2:3k:247:LYS:H	1.51	0.74
2:2f:238:THR:O	2:3j:246:LYS:HA	1.87	0.74
2:2h:200:LEU:CD1	2:3p:200:LEU:CD2	2.66	0.74
2:6j:239:THR:CB	2:5j:247:LYS:O	2.35	0.74
2:7i:19:LEU:HD12	2:7i:41:TYR:CD2	2.20	0.74
2:8m:28:ILE:HB	2:8q:73:VAL:CG1	2.18	0.74
2:8o:74:GLY:HA3	2:7l:23:GLN:HG3	1.69	0.74
2:2k:242:LEU:HD12	2:3n:235:PRO:C	2.12	0.74
2:2m:19:LEU:HD12	2:2m:41:TYR:CD2	2.20	0.74
2:8r:110:LEU:O	2:8r:110:LEU:HD22	1.87	0.74
2:8s:246:LYS:CA	2:9I:238:THR:O	2.35	0.74
2:1q:236:ALA:CA	2:2o:242:LEU:HD11	2.16	0.74
2:1s:266:LEU:CD2	2:3s:265:ASP:CA	2.46	0.74
2:2p:238:THR:O	2:3r:246:LYS:HA	1.87	0.74
2:2q:19:LEU:HD12	2:2q:41:TYR:CD2	2.20	0.74
2:2r:200:LEU:CD1	2:3x:200:LEU:CD2	2.66	0.74
2:2r:222:LEU:HD23	2:3x:209:LEU:HD11	1.68	0.74
2:2s:267:ASN:OD1	2:1w:254:SER:N	2.17	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3q:247:LYS:O	2:4k:239:THR:CG2	2.35	0.74
2:4k:97:TYR:O	2:4k:110:LEU:CB	2.22	0.74
2:7r:193:LYS:HD3	2:9L:200:LEU:C	2.11	0.74
2:7r:247:LYS:N	2:9L:237:ALA:HB1	2.02	0.74
2:8z:239:THR:CA	2:7x:247:LYS:CB	2.48	0.74
2:1w:229:GLY:HA3	2:3w:231:PRO:CG	2.17	0.74
2:1w:232:TYR:OH	2:3w:234:LEU:HB2	1.88	0.74
2:5m:98:ALA:CA	2:5m:110:LEU:CB	2.54	0.74
2:6u:256:ALA:N	2:9Q:263:VAL:HG11	2.01	0.74
1:1D:354:VAL:O	1:1D:354:VAL:HG12	1.87	0.74
1:2A:405:SER:O	2:2c:44:VAL:O	2.06	0.74
1:8G:448:ALA:HB2	2:8k:57:MET:SD	2.27	0.74
1:8J:444:GLY:H	2:8o:45:LYS:HE3	1.51	0.74
1:1P:445:GLY:O	2:1p:44:VAL:HG22	1.87	0.74
1:8T:202:GLU:O	1:8T:203:PRO:C	2.31	0.74
2:1g:184:LEU:HD21	2:3g:184:LEU:CD2	2.17	0.74
2:1h:226:ILE:C	2:2t:219:LYS:HB3	2.12	0.74
2:2d:141:PRO:HB2	2:3k:150:GLU:CD	2.12	0.74
2:7a:242:LEU:HD13	2:6v:236:ALA:N	2.02	0.74
2:7c:245:VAL:CG2	2:8j:245:VAL:HG11	2.18	0.74
2:7c:266:LEU:N	2:8j:266:LEU:HD22	2.01	0.74
2:8e:253:ALA:CA	2:9O:270:ILE:HD13	2.17	0.74
2:8g:200:LEU:CD1	2:9G:200:LEU:CG	2.65	0.74
2:8g:267:ASN:OD1	2:8k:253:ALA:HB1	1.87	0.74
2:2e:222:LEU:HD13	2:1p:226:ILE:HG21	1.69	0.74
2:2f:201:VAL:CG2	2:3j:210:LEU:HD22	2.16	0.74
2:2h:225:MET:O	2:3p:219:LYS:CA	2.31	0.74
2:6j:239:THR:HA	2:5j:247:LYS:CA	2.16	0.74
2:8k:124:ASP:O	2:9G:119:SER:CA	2.36	0.74
2:8m:64:GLN:HG2	2:8m:109:THR:OG1	1.88	0.74
2:1o:184:LEU:HD21	2:3o:184:LEU:CD2	2.17	0.74
2:1o:263:VAL:HG11	2:3o:256:ALA:CA	2.17	0.74
2:2l:226:ILE:O	2:4i:223:ARG:HG3	1.88	0.74
2:2l:248:GLY:O	2:3m:280:SER:CB	2.34	0.74
2:2m:200:LEU:CD1	2:3t:200:LEU:CD2	2.66	0.74
2:6o:240:THR:CA	2:7j:246:LYS:HD3	2.16	0.74
2:8s:270:ILE:HD13	2:8w:253:ALA:CA	2.17	0.74
2:1q:212:GLY:CA	2:2o:203:ASN:HD22	2.00	0.74
2:1s:270:ILE:CG1	2:3s:251:VAL:HG21	2.17	0.74
2:2r:256:ALA:HB3	2:4l:263:VAL:HG21	1.70	0.74
2:8x:110:LEU:O	2:8x:110:LEU:HD22	1.87	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:227:GLY:O	2:9M:231:PRO:CD	2.21	0.74
2:1v:247:LYS:CB	2:3v:239:THR:CG2	2.64	0.74
2:1w:184:LEU:HD21	2:3w:184:LEU:CD2	2.17	0.74
2:2w:256:ALA:HB3	2:4n:263:VAL:HG21	1.70	0.74
2:6u:251:VAL:O	2:9Q:270:ILE:HG23	1.87	0.74
2:7x:27:ILE:HA	2:9N:73:VAL:HG11	1.69	0.74
1:1E:203:PRO:HA	1:1E:209:ALA:HB3	1.68	0.74
1:4B:154:VAL:O	1:4B:154:VAL:HG12	1.87	0.74
1:5F:447:GLN:O	2:5f:60:LEU:HD12	1.87	0.74
1:7A:407:ASN:HB2	2:7d:45:LYS:HG3	1.69	0.74
1:1I:446:ALA:HA	2:1k:44:VAL:HG23	1.69	0.74
1:5Q:448:ALA:HA	2:5i:41:TYR:CD2	2.23	0.74
1:7S:448:ALA:C	2:7o:41:TYR:HA	2.12	0.74
1:1b:444:GLY:HA2	2:1x:44:VAL:HG21	1.69	0.74
1:8Z:228:GLN:OE1	1:8Z:228:GLN:N	2.14	0.74
2:1h:247:LYS:CB	2:1u:238:THR:C	2.60	0.74
2:2a:201:VAL:CG2	2:3f:210:LEU:HD22	2.16	0.74
2:2c:150:GLU:OE1	2:3l:141:PRO:HB2	1.88	0.74
2:3e:247:LYS:O	2:4e:239:THR:CG2	2.35	0.74
2:3f:98:ALA:CA	2:3f:110:LEU:CB	2.54	0.74
2:4e:64:GLN:HG2	2:4e:109:THR:OG1	1.88	0.74
2:6f:110:LEU:O	2:6f:110:LEU:HD22	1.87	0.74
2:7a:242:LEU:CD1	2:6v:236:ALA:N	2.50	0.74
2:8e:124:ASP:O	2:9F:119:SER:CA	2.35	0.74
2:8h:242:LEU:CD2	2:7i:244:GLY:CA	2.49	0.74
2:9F:238:THR:O	2:9O:246:LYS:CA	2.35	0.74
2:9F:242:LEU:HD12	2:9O:235:PRO:C	2.07	0.74
2:1k:245:VAL:HG22	2:3k:245:VAL:HG22	1.69	0.74
2:4g:110:LEU:O	2:4g:110:LEU:HD22	1.87	0.74
2:6i:256:ALA:N	2:8o:263:VAL:HG11	2.01	0.74
2:7h:266:LEU:CA	2:8p:266:LEU:CD1	2.61	0.74
2:1m:238:THR:C	2:1t:247:LYS:CB	2.60	0.74
2:1o:64:GLN:HG2	2:1o:109:THR:OG1	1.88	0.74
2:6m:257:THR:C	2:8u:259:VAL:CG2	2.61	0.74
2:8q:237:ALA:CB	2:9H:246:LYS:HA	2.13	0.74
2:1q:110:LEU:O	2:1q:110:LEU:HD22	1.87	0.74
2:1s:226:ILE:CA	2:3s:219:LYS:HE3	2.18	0.74
2:2r:150:GLU:OE1	2:3x:141:PRO:HB2	1.88	0.74
2:3t:98:ALA:CA	2:3t:110:LEU:CB	2.54	0.74
2:5k:229:GLY:O	2:7o:228:ALA:HA	1.87	0.74
2:6q:257:THR:N	2:9K:259:VAL:HG11	2.02	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6r:98:ALA:CA	2:6r:110:LEU:CB	2.54	0.74
2:6s:242:LEU:CD2	2:7o:244:GLY:O	2.35	0.74
2:6t:64:GLN:HG2	2:6t:109:THR:OG1	1.88	0.74
2:7r:251:VAL:HG13	2:9L:279:ILE:CD1	1.95	0.74
2:8w:259:VAL:HG11	2:9I:259:VAL:HA	0.80	0.74
2:8x:64:GLN:HG2	2:8x:109:THR:OG1	1.88	0.74
2:1w:270:ILE:CG1	2:3w:251:VAL:HG21	2.17	0.74
2:2u:238:THR:O	2:3v:246:LYS:HA	1.87	0.74
2:9M:175:PHE:HZ	2:9J:175:PHE:HE2	1.36	0.74
1:3C:202:GLU:CD	1:3C:343:SER:OG	2.31	0.74
1:4B:203:PRO:HB3	1:4B:212:GLU:HB2	1.70	0.74
1:2L:356:PRO:CD	1:2L:369:PHE:CD2	2.66	0.74
1:6R:445:GLY:O	2:6m:44:VAL:N	2.20	0.74
1:8R:447:GLN:HG3	2:8s:42:VAL:CG1	2.17	0.74
1:1U:392:THR:HG22	2:1s:107:LEU:HG	1.70	0.74
1:1V:354:VAL:O	1:1V:354:VAL:HG12	1.87	0.74
1:4W:209:ALA:HB1	1:4W:212:GLU:HG3	1.65	0.74
1:6W:208:GLY:O	1:6W:212:GLU:HG3	1.87	0.74
1:6X:448:ALA:HB3	2:6q:60:LEU:HD12	1.69	0.74
1:7P:26:ASN:OD1	2:6s:52:LEU:CB	2.36	0.74
1:7R:385:TRP:H	2:7p:106:GLN:NE2	1.85	0.74
1:8d:448:ALA:C	2:9O:60:LEU:HG	2.13	0.74
2:1e:28:ILE:HA	2:1l:73:VAL:HG11	1.67	0.74
2:1e:238:THR:C	2:1l:247:LYS:CB	2.60	0.74
2:1h:226:ILE:HD11	2:1u:226:ILE:CD1	2.18	0.74
2:2a:238:THR:O	2:3f:246:LYS:HA	1.87	0.74
2:2b:120:ILE:HD11	2:3e:125:ILE:HG12	1.68	0.74
2:2c:148[B]:ILE:HD11	2:4f:148[B]:ILE:HD12	1.67	0.74
2:3h:219:LYS:CA	2:2w:225:MET:O	2.32	0.74
2:6e:257:THR:C	2:8i:259:VAL:CG2	2.61	0.74
2:6f:236:ALA:N	2:7f:242:LEU:CD1	2.50	0.74
2:7c:234:LEU:CD2	2:8j:234:LEU:CD1	2.65	0.74
2:7c:247:LYS:N	2:8j:237:ALA:HB1	2.02	0.74
2:7d:247:LYS:CB	2:9P:239:THR:CA	2.48	0.74
2:8e:149[B]:ILE:HG23	2:9F:158[B]:ILE:CG2	2.17	0.74
2:8f:126:LYS:HG3	2:9P:119:SER:HB3	1.67	0.74
2:9F:242:LEU:HA	2:9O:244:GLY:CA	2.18	0.74
2:1i:64:GLN:HG2	2:1i:109:THR:OG1	1.88	0.74
2:2f:226:ILE:HD12	2:3j:222:LEU:C	2.12	0.74
2:2g:197:GLN:HG3	2:3i:200:LEU:O	1.87	0.74
2:3i:116:LYS:HE3	2:3i:116:LYS:CA	2.14	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:242:LEU:CD2	2:7f:244:GLY:C	2.60	0.74
2:6k:225:MET:CG	2:7e:214:PRO:CG	2.65	0.74
2:1o:226:ILE:CA	2:3o:219:LYS:HE3	2.18	0.74
2:2j:141:PRO:HB2	2:1t:150:GLU:CD	2.12	0.74
2:6n:98:ALA:HA	2:6n:110:LEU:HB3	0.84	0.74
2:6n:200:LEU:HD22	2:5l:200:LEU:HD12	1.69	0.74
2:6o:242:LEU:HD22	2:7j:244:GLY:O	1.87	0.74
2:8s:28:ILE:HB	2:8w:73:VAL:CG1	2.18	0.74
2:8s:209:LEU:O	2:9l:206:VAL:CG2	2.31	0.74
2:7o:19:LEU:HD12	2:7o:41:TYR:CD2	2.20	0.74
2:7r:266:LEU:CA	2:9L:266:LEU:CD1	2.61	0.74
2:8y:131:THR:OG1	2:9M:141:PRO:CD	2.35	0.74
2:1u:200:LEU:CD1	2:2t:200:LEU:CG	2.65	0.74
1:2E:447:GLN:C	2:2d:41:TYR:CD1	2.44	0.74
1:7C:28:GLN:HE21	2:9P:52:LEU:HD11	1.49	0.74
1:1J:354:VAL:O	1:1J:354:VAL:HG12	1.87	0.74
1:7R:397:THR:HA	2:7p:107:LEU:HB2	1.69	0.74
1:4Z:203:PRO:HB3	1:4Z:212:GLU:HB2	1.70	0.74
1:4Z:203:PRO:HA	1:4Z:212:GLU:CD	2.11	0.74
2:1f:238:THR:O	2:2a:247:LYS:N	2.18	0.74
2:1g:245:VAL:HG22	2:3g:245:VAL:HG22	1.69	0.74
2:2b:219:LYS:HA	2:3e:226:ILE:HA	1.68	0.74
2:3h:236:ALA:CA	2:2w:242:LEU:HD11	2.18	0.74
2:5e:64:GLN:HG2	2:5e:109:THR:OG1	1.88	0.74
2:5e:111:VAL:HG21	2:7Z:57:MET:SD	2.28	0.74
2:6e:256:ALA:N	2:8i:263:VAL:HG11	2.01	0.74
2:6g:242:LEU:CD2	2:7Z:244:GLY:O	2.35	0.74
2:6g:242:LEU:HD22	2:7Z:244:GLY:O	1.87	0.74
2:7d:244:GLY:HA3	2:9P:242:LEU:HB3	1.70	0.74
2:8e:180:VAL:HG22	2:9F:183:PHE:O	1.86	0.74
2:8e:254:SER:HB3	2:9O:266:LEU:CD2	1.89	0.74
2:8e:279:ILE:C	2:9F:248:GLY:N	2.39	0.74
2:1i:210:LEU:HD22	2:2e:201:VAL:HG21	1.70	0.74
2:1j:222:LEU:HB3	2:3j:226:ILE:CG2	2.18	0.74
2:6i:257:THR:C	2:8o:259:VAL:CG2	2.61	0.74
2:1o:270:ILE:HD13	2:3o:251:VAL:HG23	1.70	0.74
2:3p:98:ALA:CA	2:3p:110:LEU:CB	2.54	0.74
2:5i:111:VAL:HG21	2:7j:57:MET:SD	2.28	0.74
2:8q:198:GLN:O	2:9H:193:LYS:HE3	1.86	0.74
2:8q:259:VAL:HG11	2:9H:259:VAL:HA	0.80	0.74
2:8r:98:ALA:CA	2:8r:110:LEU:CB	2.54	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1r:222:LEU:HB3	2:3r:226:ILE:CG2	2.18	0.74
2:2o:219:LYS:HB3	2:1x:226:ILE:C	2.12	0.74
2:2p:226:ILE:CD1	2:3r:223:ARG:HA	2.17	0.74
2:6r:239:THR:N	2:5n:247:LYS:H	1.85	0.74
2:9K:110:LEU:O	2:9K:110:LEU:HD22	1.87	0.74
2:1w:183:PHE:CD2	2:3w:183:PHE:CZ	2.75	0.74
2:1w:226:ILE:CA	2:3w:219:LYS:HE3	2.18	0.74
2:2u:242:LEU:HD21	2:3v:236:ALA:HA	1.69	0.74
2:4m:110:LEU:O	2:4m:110:LEU:HD22	1.87	0.74
2:6w:242:LEU:HD22	2:7t:244:GLY:O	1.87	0.74
2:7w:19:LEU:HD12	2:7w:41:TYR:CD2	2.20	0.74
1:1M:208:GLY:O	1:1M:212:GLU:HG3	1.88	0.74
1:5Q:448:ALA:HA	2:5i:41:TYR:HD2	1.53	0.74
1:7O:28:GLN:CG	2:5j:52:LEU:HD11	2.17	0.74
1:1S:448:ALA:HB3	2:1q:63:TRP:NE1	2.02	0.74
1:5X:419:ASP:HB3	1:5X:425:LYS:HZ3	1.50	0.74
1:4Y:200:ILE:O	1:4Y:343:SER:HA	1.87	0.74
1:4d:448:ALA:HB3	2:4n:41:TYR:HE1	1.52	0.74
2:1e:210:LEU:HD22	2:2Z:201:VAL:HG21	1.70	0.74
2:2Z:235:PRO:O	2:1l:242:LEU:HD13	1.86	0.74
2:3g:150:GLU:CD	2:2x:141:PRO:HB2	2.12	0.74
2:3g:232:TYR:CG	2:2x:232:TYR:HB3	2.22	0.74
2:3g:263:VAL:CG2	2:2x:262:ALA:HB2	2.16	0.74
2:5f:247:LYS:H	2:6v:239:THR:N	1.85	0.74
2:6h:64:GLN:HG2	2:6h:109:THR:OG1	1.88	0.74
2:8e:154:ALA:HB2	2:9F:158[A]:ILE:HA	1.67	0.74
2:8e:201:VAL:HG22	2:9F:197:GLN:HE22	1.49	0.74
2:8i:64:GLN:HG2	2:8i:109:THR:OG1	1.88	0.74
2:1k:226:ILE:CA	2:3k:219:LYS:HE3	2.18	0.74
2:2g:210:LEU:HA	2:3i:206:VAL:CG1	2.11	0.74
2:6j:110:LEU:O	2:6j:110:LEU:HD22	1.87	0.74
2:7h:234:LEU:CD2	2:8p:234:LEU:CD1	2.65	0.74
2:8n:229:GLY:N	2:7n:229:GLY:O	2.21	0.74
2:1o:232:TYR:OH	2:3o:234:LEU:HB2	1.88	0.74
2:2k:242:LEU:CD2	2:3n:236:ALA:HA	2.18	0.74
2:8r:64:GLN:HG2	2:8r:109:THR:OG1	1.88	0.74
2:1q:226:ILE:CD1	2:1x:226:ILE:HD11	2.18	0.74
2:2q:226:ILE:O	2:4k:223:ARG:HG3	1.88	0.74
2:2s:148[B]:ILE:CD1	2:1w:148[B]:ILE:CD1	2.65	0.74
2:2s:262:ALA:HB1	2:3w:263:VAL:HG22	1.70	0.74
2:3q:234:LEU:HD21	2:4k:243:GLY:HA2	1.69	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:111:VAL:HG21	2:7o:57:MET:SD	2.28	0.74
2:6r:227:GLY:CA	2:5n:223:ARG:HH11	2.01	0.74
2:6s:240:THR:CA	2:7o:246:LYS:HD3	2.16	0.74
2:7o:179:ASN:HD22	2:7o:192:ASN:HD22	1.36	0.74
2:7s:57:MET:HB3	2:8x:61:ALA:HB3	1.69	0.74
2:8w:149[B]:ILE:HG23	2:9I:158[B]:ILE:CG2	2.17	0.74
2:8y:209:LEU:C	2:9J:206:VAL:HG21	2.13	0.74
2:3x:64:GLN:HG2	2:3x:109:THR:OG1	1.88	0.74
2:6w:242:LEU:CD2	2:7t:244:GLY:O	2.35	0.74
2:6x:259:VAL:HG11	2:9R:257:THR:C	2.13	0.74
2:7w:258:ASP:O	2:9R:259:VAL:HG11	1.83	0.74
1:2C:448:ALA:HB3	2:2a:41:TYR:CD1	2.22	0.74
1:8H:202:GLU:O	1:8H:203:PRO:C	2.31	0.74
1:1P:354:VAL:O	1:1P:354:VAL:HG12	1.87	0.74
1:1W:203:PRO:HA	1:1W:209:ALA:HB3	1.68	0.74
1:5W:442:ALA:O	2:5k:45:LYS:CE	2.35	0.74
1:7X:447:GLN:CG	2:7t:44:VAL:HG11	2.17	0.74
2:1e:64:GLN:HG2	2:1e:109:THR:OG1	1.88	0.74
2:1f:222:LEU:HB3	2:3f:226:ILE:CG2	2.18	0.74
2:1g:110:LEU:O	2:1g:110:LEU:HD22	1.87	0.74
2:1g:232:TYR:OH	2:3g:234:LEU:HB2	1.88	0.74
2:1h:150:GLU:CD	2:2t:141:PRO:HB2	2.12	0.74
2:2Z:19:LEU:HD12	2:2Z:41:TYR:CD2	2.20	0.74
2:2a:242:LEU:CD2	2:3f:236:ALA:HA	2.18	0.74
2:3f:64:GLN:HG2	2:3f:109:THR:OG1	1.88	0.74
2:8g:110:LEU:O	2:8g:110:LEU:HD22	1.87	0.74
2:8h:242:LEU:HB3	2:7i:244:GLY:HA3	1.70	0.74
2:1i:226:ILE:CD1	2:1p:226:ILE:HD11	2.18	0.74
2:1i:242:LEU:CD2	2:1p:245:VAL:C	2.55	0.74
2:2i:259:VAL:HG23	2:3o:259:VAL:CG2	2.04	0.74
2:2i:262:ALA:HB2	2:3o:263:VAL:CG2	2.16	0.74
2:3j:110:LEU:O	2:3j:110:LEU:HD22	1.87	0.74
2:5g:110:LEU:O	2:5g:110:LEU:HD22	1.87	0.74
2:6i:256:ALA:H	2:8o:263:VAL:CG2	1.98	0.74
2:6l:111:VAL:CG2	2:7h:57:MET:CE	2.63	0.74
2:1m:212:GLY:CA	2:2j:203:ASN:HD22	2.00	0.74
2:1o:98:ALA:CA	2:1o:110:LEU:CB	2.54	0.74
2:1o:263:VAL:HG22	2:3o:256:ALA:CB	2.14	0.74
2:2k:201:VAL:CG2	2:3n:210:LEU:HD22	2.16	0.74
2:3p:110:LEU:O	2:3p:110:LEU:HD22	1.87	0.74
2:5i:279:ILE:HD13	2:6o:251:VAL:HG11	1.68	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:256:ALA:H	2:8u:263:VAL:CG2	1.99	0.74
2:7j:179:ASN:HD22	2:7j:192:ASN:HD22	1.36	0.74
2:8q:149[B]:ILE:HG23	2:9H:158[B]:ILE:CG2	2.17	0.74
2:8s:209:LEU:C	2:9I:206:VAL:HG21	2.13	0.74
2:1q:64:GLN:HG2	2:1q:109:THR:OG1	1.88	0.74
2:3t:64:GLN:HG2	2:3t:109:THR:OG1	1.88	0.74
2:8w:175:PHE:HZ	2:9I:175:PHE:HE2	1.36	0.74
2:8w:278:ILE:HG23	2:9I:278:ILE:CG2	2.06	0.74
2:8y:28:ILE:HB	2:9M:73:VAL:CG1	2.18	0.74
2:8z:229:GLY:N	2:7x:229:GLY:O	2.21	0.74
2:1u:236:ALA:CA	2:2t:242:LEU:HD11	2.16	0.74
2:2w:19:LEU:HD12	2:2w:41:TYR:CD2	2.20	0.74
2:3u:234:LEU:HD21	2:4m:243:GLY:HA2	1.69	0.74
2:3v:110:LEU:O	2:3v:110:LEU:HD22	1.87	0.74
2:9M:149[B]:ILE:HG23	2:9J:158[B]:ILE:CG2	2.17	0.74
1:4A:200:ILE:O	1:4A:343:SER:HA	1.87	0.73
1:4F:446:ALA:CB	2:4f:56:ASN:CB	2.59	0.73
1:6E:208:GLY:O	1:6E:212:GLU:HG3	1.87	0.73
1:1I:443:SER:C	2:1k:45:LYS:NZ	2.42	0.73
1:3I:202:GLU:CD	1:3I:343:SER:OG	2.31	0.73
1:7J:448:ALA:HB2	2:7h:60:LEU:CD1	2.18	0.73
2:1g:183:PHE:CD2	2:3g:183:PHE:CZ	2.75	0.73
2:3e:116:LYS:HE3	2:3e:116:LYS:CA	2.14	0.73
2:6f:98:ALA:CA	2:6f:110:LEU:CB	2.54	0.73
2:1j:228:ALA:HB3	2:3j:228:ALA:HB2	1.69	0.73
2:2e:235:PRO:O	2:1p:242:LEU:HD13	1.86	0.73
2:2h:150:GLU:OE1	2:3p:141:PRO:HB2	1.88	0.73
2:2i:120:ILE:HD12	2:1o:120:ILE:HD11	1.66	0.73
2:3i:219:LYS:HG2	2:4g:225:MET:O	1.88	0.73
2:5g:118:ILE:HG12	2:7e:118:ILE:HD13	1.69	0.73
2:6j:227:GLY:CA	2:5j:223:ARG:HH11	2.01	0.73
2:7h:245:VAL:CG2	2:8p:245:VAL:HG11	2.18	0.73
2:7i:57:MET:HB3	2:8l:61:ALA:HB3	1.69	0.73
2:8m:209:LEU:C	2:9H:206:VAL:HG21	2.13	0.73
2:8m:223:ARG:HA	2:9H:226:ILE:HD12	1.68	0.73
2:8m:270:ILE:CD1	2:8q:253:ALA:CA	2.62	0.73
2:8o:64:GLN:HG2	2:8o:109:THR:OG1	1.88	0.73
2:1m:247:LYS:C	2:2j:239:THR:CB	2.60	0.73
2:2k:226:ILE:HD12	2:3n:222:LEU:C	2.12	0.73
2:5i:277:GLY:O	2:6o:247:LYS:CG	2.33	0.73
2:7m:247:LYS:N	2:8v:237:ALA:HB1	2.03	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:199:LEU:HD21	2:9H:186:ALA:O	1.88	0.73
2:8s:122:VAL:N	2:9I:127:ASP:OD1	2.21	0.73
2:8t:242:LEU:CD2	2:7s:244:GLY:HA3	2.16	0.73
2:1q:210:LEU:HD22	2:2o:201:VAL:HG21	1.70	0.73
2:1r:228:ALA:HB3	2:3r:228:ALA:HB2	1.69	0.73
2:6q:179:ASN:HD22	2:6q:192:ASN:HD22	1.36	0.73
2:6r:110:LEU:O	2:6r:110:LEU:HD22	1.87	0.73
2:7r:272:VAL:HG12	2:9L:279:ILE:HG22	1.70	0.73
2:8w:124:ASP:O	2:9I:119:SER:CA	2.35	0.73
2:8y:270:ILE:HD13	2:9M:253:ALA:CA	2.17	0.73
2:1w:229:GLY:N	2:3w:231:PRO:CG	2.49	0.73
2:1w:263:VAL:HG22	2:3w:256:ALA:CB	2.14	0.73
2:3u:219:LYS:HG2	2:4m:225:MET:O	1.88	0.73
2:3v:64:GLN:HG2	2:3v:109:THR:OG1	1.88	0.73
2:3x:98:ALA:HA	2:3x:110:LEU:HB3	0.84	0.73
2:3x:110:LEU:O	2:3x:110:LEU:HD22	1.87	0.73
2:5m:64:GLN:HG2	2:5m:109:THR:OG1	1.88	0.73
2:6u:257:THR:C	2:9Q:259:VAL:CG2	2.61	0.73
2:9M:198:GLN:O	2:9J:193:LYS:HE3	1.86	0.73
1:5Q:28:GLN:OE1	1:5Q:28:GLN:N	2.18	0.73
1:3U:202:GLU:CD	1:3U:343:SER:OG	2.31	0.73
1:1Y:208:GLY:O	1:1Y:212:GLU:HG3	1.88	0.73
1:7U:26:ASN:OD1	2:6w:52:LEU:CG	2.36	0.73
2:1g:64:GLN:HG2	2:1g:109:THR:OG1	1.88	0.73
2:2c:242:LEU:HD11	2:3l:236:ALA:CA	2.18	0.73
2:2c:256:ALA:HB3	2:4f:263:VAL:HG21	1.70	0.73
2:4e:110:LEU:O	2:4e:110:LEU:HD22	1.87	0.73
2:5e:118:ILE:HG12	2:7Z:118:ILE:HD13	1.69	0.73
2:5f:242:LEU:CD2	2:7a:244:GLY:C	2.60	0.73
2:6h:110:LEU:O	2:6h:110:LEU:HD22	1.87	0.73
2:8g:214:PRO:CG	2:9G:225:MET:HG3	2.18	0.73
2:8g:223:ARG:HA	2:9G:226:ILE:HD12	1.67	0.73
2:1i:212:GLY:CA	2:2e:203:ASN:HD22	2.00	0.73
2:1k:229:GLY:N	2:3k:231:PRO:CG	2.49	0.73
2:2e:200:LEU:HD11	2:1p:200:LEU:HD13	1.69	0.73
2:2f:242:LEU:CD2	2:3j:236:ALA:HA	2.18	0.73
2:2h:226:ILE:O	2:3p:223:ARG:N	2.19	0.73
2:5g:111:VAL:HG21	2:7e:57:MET:SD	2.28	0.73
2:6l:259:VAL:HG11	2:8p:257:THR:C	2.13	0.73
2:8m:214:PRO:CG	2:9H:225:MET:HG3	2.18	0.73
2:8m:270:ILE:HD13	2:8q:253:ALA:CA	2.17	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:110:LEU:HD22	2:1o:110:LEU:O	1.87	0.73
2:2j:120:ILE:CD1	2:1t:125:ILE:HG12	2.18	0.73
2:2j:219:LYS:HB3	2:1t:226:ILE:C	2.12	0.73
2:3n:64:GLN:HG2	2:3n:109:THR:OG1	1.88	0.73
2:3p:64:GLN:HG2	2:3p:109:THR:OG1	1.88	0.73
2:6n:64:GLN:HG2	2:6n:109:THR:OG1	1.88	0.73
2:6n:120:ILE:HD11	2:7p:120:ILE:HD13	0.77	0.73
2:7m:254:SER:N	2:8v:267:ASN:CG	2.45	0.73
2:8u:179:ASN:HD22	2:8u:192:ASN:HD22	1.37	0.73
2:1s:64:GLN:HG2	2:1s:109:THR:OG1	1.88	0.73
2:2q:234:LEU:CD2	2:3q:243:GLY:HA2	2.18	0.73
2:3t:110:LEU:O	2:3t:110:LEU:HD22	1.87	0.73
2:5k:110:LEU:O	2:5k:110:LEU:HD22	1.87	0.73
2:6q:258:ASP:N	2:9K:259:VAL:HG21	2.03	0.73
2:6r:244:GLY:HA2	2:7u:243:GLY:O	1.87	0.73
2:8w:243:GLY:CA	2:9I:234:LEU:HD21	2.14	0.73
2:5m:229:GLY:O	2:7t:228:ALA:HA	1.87	0.73
2:9M:180:VAL:CG2	2:9J:183:PHE:O	2.37	0.73
1:5F:423:GLU:O	1:5F:425:LYS:N	2.22	0.73
1:2H:448:ALA:HB3	2:2f:41:TYR:CD1	2.24	0.73
1:3O:208:GLY:O	1:3O:212:GLU:CG	2.19	0.73
1:7L:447:GLN:CD	2:7l:44:VAL:HG21	2.14	0.73
1:8S:447:GLN:HB3	2:8w:60:LEU:HD11	1.69	0.73
1:9D:397:THR:N	2:9I:107:LEU:HD12	2.03	0.73
1:5d:419:ASP:HB3	1:5d:425:LYS:HZ3	1.51	0.73
2:1e:110:LEU:O	2:1e:110:LEU:HD22	1.87	0.73
2:2c:200:LEU:HD13	2:3l:200:LEU:HD22	1.69	0.73
2:2c:222:LEU:HD23	2:3l:209:LEU:HD11	1.68	0.73
2:3e:259:VAL:HG22	2:4e:259:VAL:HG22	1.68	0.73
2:3h:141:PRO:HB2	2:2w:150:GLU:OE1	1.88	0.73
2:5e:229:GLY:O	2:7Z:228:ALA:HA	1.87	0.73
2:6f:120:ILE:HD11	2:7f:120:ILE:HD13	0.77	0.73
2:8e:180:VAL:CG2	2:9F:183:PHE:O	2.37	0.73
2:8e:259:VAL:HG11	2:9F:259:VAL:HA	0.80	0.73
2:8g:131:THR:OG1	2:8k:141:PRO:CD	2.35	0.73
2:1i:179:ASN:HD22	2:1i:192:ASN:HD22	1.37	0.73
2:2e:120:ILE:CD1	2:1p:125:ILE:HG12	2.18	0.73
2:2g:247:LYS:N	2:3i:239:THR:N	2.35	0.73
2:5g:279:ILE:HD13	2:6k:251:VAL:HG11	1.68	0.73
2:6l:64:GLN:HG2	2:6l:109:THR:OG1	1.88	0.73
2:7h:245:VAL:HG22	2:8p:245:VAL:HG13	1.71	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7h:247:LYS:N	2:8p:237:ALA:HB1	2.02	0.73
2:8k:149[B]:ILE:HG23	2:9G:158[B]:ILE:CG2	2.17	0.73
2:8k:243:GLY:CA	2:9G:234:LEU:HD21	2.14	0.73
2:8m:122:VAL:N	2:9H:127:ASP:OD1	2.21	0.73
2:8o:179:ASN:HD22	2:8o:192:ASN:HD22	1.37	0.73
2:8p:116:LYS:HE3	2:8p:116:LYS:CA	2.14	0.73
2:8p:179:ASN:HD22	2:8p:192:ASN:HD22	1.37	0.73
2:1m:226:ILE:CD1	2:1t:226:ILE:HD11	2.18	0.73
2:2j:246:LYS:CB	2:1t:239:THR:O	2.33	0.73
2:4j:179:ASN:HD22	2:4j:192:ASN:HD22	1.37	0.73
2:6m:258:ASP:N	2:8u:259:VAL:HG21	2.03	0.73
2:6n:200:LEU:HD13	2:7p:200:LEU:HD13	1.71	0.73
2:6n:227:GLY:CA	2:5l:223:ARG:HH11	2.01	0.73
2:6p:179:ASN:HD22	2:6p:192:ASN:HD22	1.37	0.73
2:6p:259:VAL:HG11	2:8v:257:THR:C	2.13	0.73
2:8s:64:GLN:HG2	2:8s:109:THR:OG1	1.88	0.73
2:8s:110:LEU:HD22	2:8s:110:LEU:O	1.87	0.73
2:8s:259:VAL:CG1	2:8w:257:THR:O	2.22	0.73
2:2p:242:LEU:HD21	2:3r:236:ALA:HA	1.70	0.73
2:2r:200:LEU:HD13	2:3x:200:LEU:HD22	1.69	0.73
2:2r:242:LEU:HD11	2:3x:236:ALA:CA	2.18	0.73
2:5k:259:VAL:HG21	2:6s:258:ASP:C	2.13	0.73
2:6r:226:ILE:CG2	2:5n:222:LEU:HB3	2.18	0.73
2:8w:180:VAL:CG2	2:9I:183:PHE:O	2.37	0.73
2:8w:278:ILE:HG22	2:9I:278:ILE:HG21	1.57	0.73
2:1u:64:GLN:HG2	2:1u:109:THR:OG1	1.88	0.73
2:1u:210:LEU:HD22	2:2t:201:VAL:HG21	1.70	0.73
2:3u:247:LYS:O	2:4m:239:THR:CG2	2.35	0.73
2:3u:248:GLY:O	2:4m:280:SER:CB	2.34	0.73
2:5m:111:VAL:HG21	2:7t:57:MET:SD	2.28	0.73
2:6u:258:ASP:N	2:9Q:259:VAL:HG21	2.04	0.73
2:9N:64:GLN:HG2	2:9N:109:THR:OG1	1.88	0.73
2:9N:110:LEU:O	2:9N:110:LEU:HD22	1.87	0.73
1:6L:447:GLN:O	2:6i:56:ASN:O	2.05	0.73
1:8T:228:GLN:OE1	1:8T:228:GLN:N	2.14	0.73
1:6d:447:GLN:HA	2:6u:56:ASN:HB2	0.73	0.73
1:7X:28:GLN:OE1	2:6q:27:ILE:HD11	1.88	0.73
2:2d:19:LEU:HD12	2:2d:41:TYR:CD2	2.20	0.73
2:2d:179:ASN:HD22	2:2d:192:ASN:HD22	1.37	0.73
2:3h:223:ARG:CA	2:2w:226:ILE:CD1	2.64	0.73
2:6e:251:VAL:O	2:8i:270:ILE:HG23	1.87	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:258:ASP:N	2:8i:259:VAL:HG21	2.04	0.73
2:6f:64:GLN:HG2	2:6f:109:THR:OG1	1.88	0.73
2:6f:244:GLY:HA2	2:7f:243:GLY:O	1.87	0.73
2:7d:27:ILE:HA	2:8f:73:VAL:HG11	1.69	0.73
2:8e:237:ALA:CB	2:9F:246:LYS:HA	2.13	0.73
2:8g:28:ILE:HB	2:8k:73:VAL:CG1	2.18	0.73
2:8h:229:GLY:N	2:7i:229:GLY:O	2.21	0.73
2:1j:222:LEU:HB3	2:3j:226:ILE:HG22	1.71	0.73
2:1k:184:LEU:HD21	2:3k:184:LEU:CD2	2.17	0.73
2:2e:141:PRO:HB2	2:1p:150:GLU:CD	2.12	0.73
2:2g:193:LYS:HD2	2:3i:202:SER:HB3	1.70	0.73
2:2g:226:ILE:O	2:4g:223:ARG:HG3	1.88	0.73
2:4h:179:ASN:HD22	2:4h:192:ASN:HD22	1.37	0.73
2:6j:239:THR:N	2:5j:247:LYS:H	1.85	0.73
2:6j:244:GLY:HA2	2:7k:243:GLY:O	1.87	0.73
2:8k:237:ALA:CB	2:9G:246:LYS:HA	2.13	0.73
2:1n:225:MET:SD	2:2k:209:LEU:CD1	2.77	0.73
2:1o:263:VAL:CG2	2:3o:262:ALA:CA	2.63	0.73
2:5i:110:LEU:O	2:5i:110:LEU:HD22	1.87	0.73
2:6n:226:ILE:CG2	2:5l:222:LEU:HB3	2.18	0.73
2:8s:214:PRO:CG	2:9I:225:MET:HG3	2.18	0.73
2:8t:229:GLY:N	2:7s:229:GLY:O	2.21	0.73
2:1r:179:ASN:HD22	2:1r:192:ASN:HD22	1.37	0.73
2:1r:222:LEU:HB3	2:3r:226:ILE:HG22	1.71	0.73
2:1s:270:ILE:HD13	2:3s:251:VAL:HG23	1.70	0.73
2:6r:64:GLN:HG2	2:6r:109:THR:OG1	1.88	0.73
2:7s:226:ILE:HD11	2:8x:226:ILE:HD11	1.65	0.73
2:1x:116:LYS:HE3	2:1x:116:LYS:CA	2.14	0.73
2:2x:179:ASN:HD22	2:2x:192:ASN:HD22	1.36	0.73
2:6v:110:LEU:O	2:6v:110:LEU:HD22	1.87	0.73
2:6w:240:THR:CA	2:7t:246:LYS:HD3	2.16	0.73
2:6x:98:ALA:CA	2:6x:110:LEU:CB	2.54	0.73
2:7u:179:ASN:HD22	2:7u:192:ASN:HD22	1.36	0.73
2:7v:179:ASN:HD22	2:7v:192:ASN:HD22	1.37	0.73
1:1C:443:SER:C	2:1g:45:LYS:HZ2	1.96	0.73
1:5F:446:ALA:HA	2:5f:56:ASN:CB	2.18	0.73
1:8F:444:GLY:O	2:8g:53:THR:OG1	2.05	0.73
1:4L:443:SER:N	2:4h:56:ASN:ND2	2.36	0.73
1:8L:448:ALA:HB2	2:8m:57:MET:HE1	1.68	0.73
2:1e:179:ASN:HD22	2:1e:192:ASN:HD22	1.37	0.73
2:5e:174:LEU:O	2:6g:167:LYS:HB3	1.89	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:226:ILE:CG2	2:5h:222:LEU:HB3	2.19	0.73
2:6f:227:GLY:CA	2:5h:223:ARG:HH11	2.01	0.73
2:6f:236:ALA:N	2:7f:242:LEU:HD13	2.02	0.73
2:6g:225:MET:CG	2:7Z:214:PRO:CG	2.65	0.73
2:6g:226:ILE:HG21	2:7Z:222:LEU:CB	2.19	0.73
2:6h:259:VAL:HG11	2:8j:257:THR:C	2.13	0.73
2:7d:229:GLY:O	2:9P:229:GLY:N	2.21	0.73
2:8j:179:ASN:HD22	2:8j:192:ASN:HD22	1.37	0.73
2:1i:110:LEU:O	2:1i:110:LEU:HD22	1.87	0.73
2:1k:232:TYR:CD2	2:3k:232:TYR:CD2	2.77	0.73
2:2f:239:THR:CA	2:3j:247:LYS:O	2.37	0.73
2:2f:242:LEU:HD21	2:3j:236:ALA:HA	1.69	0.73
2:2i:179:ASN:HD22	2:2i:192:ASN:HD22	1.37	0.73
2:3j:64:GLN:HG2	2:3j:109:THR:OG1	1.88	0.73
2:5g:279:ILE:HA	2:6k:248:GLY:C	2.13	0.73
2:6i:179:ASN:HD22	2:6i:192:ASN:HD22	1.37	0.73
2:6i:258:ASP:N	2:8o:259:VAL:HG21	2.04	0.73
2:6j:98:ALA:CA	2:6j:110:LEU:CB	2.54	0.73
2:6k:242:LEU:CD2	2:7e:244:GLY:O	2.35	0.73
2:8k:180:VAL:CG2	2:9G:183:PHE:O	2.37	0.73
2:8l:64:GLN:HG2	2:8l:109:THR:OG1	1.88	0.73
2:8m:247:LYS:HB3	2:9H:239:THR:N	2.03	0.73
2:1o:245:VAL:HG22	2:3o:245:VAL:HG22	1.69	0.73
2:2j:179:ASN:HD22	2:2j:192:ASN:HD22	1.36	0.73
2:2l:120:ILE:HD11	2:3m:125:ILE:HG12	1.68	0.73
2:2l:197:GLN:HG3	2:3m:200:LEU:O	1.87	0.73
2:2m:150:GLU:OE1	2:3t:141:PRO:HB2	1.88	0.73
2:2m:179:ASN:HD22	2:2m:192:ASN:HD22	1.36	0.73
2:3m:116:LYS:HE3	2:3m:116:LYS:CA	2.14	0.73
2:3m:234:LEU:HD21	2:4i:243:GLY:HA2	1.69	0.73
2:3o:179:ASN:HD22	2:3o:192:ASN:HD22	1.37	0.73
2:4i:110:LEU:O	2:4i:110:LEU:HD22	1.87	0.73
2:7n:179:ASN:HD22	2:7n:192:ASN:HD22	1.36	0.73
2:8q:175:PHE:HA	2:9H:171:GLN:NE2	2.04	0.73
2:9H:179:ASN:HD22	2:9H:192:ASN:HD22	1.36	0.73
2:2q:219:LYS:HB3	2:3q:226:ILE:C	2.14	0.73
2:2r:226:ILE:CD1	2:3x:223:ARG:CA	2.63	0.73
2:6q:148[B]:ILE:HD11	2:9K:148[B]:ILE:HD12	1.71	0.73
2:6t:259:VAL:HG11	2:9L:257:THR:C	2.13	0.73
2:7r:245:VAL:CG2	2:9L:245:VAL:HG11	2.18	0.73
2:7s:179:ASN:HD22	2:7s:192:ASN:HD22	1.36	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:110:LEU:O	2:8y:110:LEU:HD22	1.87	0.73
2:8y:179:ASN:HD22	2:8y:192:ASN:HD22	1.37	0.73
2:8y:219:LYS:CG	2:9J:225:MET:O	2.29	0.73
2:8y:244:GLY:HA3	2:9J:242:LEU:C	2.14	0.73
2:8z:119:SER:HB3	2:9N:126:LYS:HG2	1.69	0.73
2:1w:237:ALA:CB	2:3w:246:LYS:CA	2.62	0.73
2:1w:270:ILE:HD13	2:3w:251:VAL:HG23	1.70	0.73
2:1w:273:LEU:HD22	2:3w:273:LEU:HD21	1.71	0.73
2:2v:234:LEU:CD2	2:3u:243:GLY:HA2	2.18	0.73
2:6u:265:ASP:HB3	2:9Q:266:LEU:HD21	0.78	0.73
2:6w:196:LEU:HD22	2:7t:183:PHE:CZ	2.24	0.73
2:6x:64:GLN:HG2	2:6x:109:THR:OG1	1.88	0.73
2:9M:199:LEU:HD21	2:9J:186:ALA:O	1.88	0.73
2:9M:279:ILE:HG21	2:9J:273:LEU:HD23	1.66	0.73
1:6A:448:ALA:N	2:6h:56:ASN:O	2.14	0.73
1:5K:28:GLN:OE1	1:5K:28:GLN:N	2.18	0.73
1:7G:447:GLN:CD	2:7g:44:VAL:HG21	2.12	0.73
1:9C:447:GLN:HG2	2:9H:56:ASN:HB2	1.69	0.73
1:1V:393:GLY:HA2	2:1t:107:LEU:CD1	2.19	0.73
2:1f:179:ASN:HD22	2:1f:192:ASN:HD22	1.37	0.73
2:1g:226:ILE:CA	2:3g:219:LYS:HE3	2.18	0.73
2:2Z:236:ALA:CA	2:1l:242:LEU:CD2	2.63	0.73
2:2b:193:LYS:HD2	2:3e:202:SER:HB3	1.70	0.73
2:2d:262:ALA:HB1	2:3k:263:VAL:HG22	1.70	0.73
2:3h:209:LEU:HD11	2:2w:222:LEU:HD23	1.68	0.73
2:6f:239:THR:N	2:5h:247:LYS:H	1.85	0.73
2:8g:209:LEU:C	2:9G:206:VAL:HG21	2.13	0.73
2:8g:219:LYS:CG	2:9G:225:MET:O	2.29	0.73
2:8h:119:SER:HB3	2:8l:126:LYS:HG2	1.69	0.73
2:1k:229:GLY:HA3	2:3k:231:PRO:CG	2.17	0.73
2:2g:179:ASN:HD22	2:2g:192:ASN:HD22	1.36	0.73
2:7e:179:ASN:HD22	2:7e:192:ASN:HD22	1.36	0.73
2:1o:179:ASN:HD22	2:1o:192:ASN:HD22	1.36	0.73
2:3m:219:LYS:HG2	2:4i:226:ILE:HA	1.71	0.73
2:3m:247:LYS:O	2:4i:239:THR:CG2	2.35	0.73
2:5i:174:LEU:O	2:6o:167:LYS:HB3	1.89	0.73
2:5i:259:VAL:HG21	2:6o:258:ASP:C	2.14	0.73
2:8q:124:ASP:O	2:9H:119:SER:CA	2.35	0.73
2:8s:179:ASN:HD22	2:8s:192:ASN:HD22	1.37	0.73
2:8t:119:SER:HB3	2:8x:126:LYS:HG2	1.70	0.73
2:1s:179:ASN:HD22	2:1s:192:ASN:HD22	1.37	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:120:ILE:HD13	2:1w:120:ILE:HD12	1.60	0.73
2:2s:259:VAL:HG23	2:3w:259:VAL:CG2	2.04	0.73
2:4l:179:ASN:HD22	2:4l:192:ASN:HD22	1.37	0.73
2:6q:251:VAL:O	2:9K:270:ILE:HG23	1.88	0.73
2:6s:206:VAL:CG1	2:7o:210:LEU:HA	2.17	0.73
2:6t:179:ASN:HD22	2:6t:192:ASN:HD22	1.37	0.73
2:8y:234:LEU:HD22	2:9J:242:LEU:O	1.86	0.73
2:8z:251:VAL:HG13	2:9N:279:ILE:HD12	1.71	0.73
2:9K:179:ASN:HD22	2:9K:192:ASN:HD22	1.37	0.73
2:1v:179:ASN:HD22	2:1v:192:ASN:HD22	1.37	0.73
2:1w:179:ASN:HD22	2:1w:192:ASN:HD22	1.37	0.73
2:1w:245:VAL:HG22	2:3w:245:VAL:HG22	1.69	0.73
2:2w:179:ASN:HD22	2:2w:192:ASN:HD22	1.36	0.73
2:4m:64:GLN:HG2	2:4m:109:THR:OG1	1.88	0.73
2:5m:110:LEU:O	2:5m:110:LEU:HD22	1.87	0.73
2:9M:124:ASP:O	2:9J:119:SER:CA	2.35	0.73
2:9R:179:ASN:HD22	2:9R:192:ASN:HD22	1.37	0.73
1:1E:203:PRO:O	1:1E:205:SER:N	2.22	0.73
1:4G:200:ILE:O	1:4G:343:SER:HA	1.87	0.73
1:4H:203:PRO:HB3	1:4H:212:GLU:HB2	1.70	0.73
1:2M:28:GLN:NE2	2:4j:27:ILE:HD11	2.03	0.73
1:6Q:208:GLY:O	1:6Q:212:GLU:HG3	1.87	0.73
1:1W:203:PRO:O	1:1W:205:SER:N	2.22	0.73
1:6W:447:GLN:O	2:6r:42:VAL:HG12	1.88	0.73
1:4c:209:ALA:HB1	1:4c:212:GLU:HG3	1.65	0.73
1:5d:423:GLU:O	1:5d:425:LYS:N	2.22	0.73
2:1e:226:ILE:CD1	2:1l:226:ILE:HD11	2.18	0.73
2:1g:270:ILE:HD13	2:3g:251:VAL:HG23	1.70	0.73
2:2Z:120:ILE:CD1	2:1l:125:ILE:HG12	2.18	0.73
2:2d:148[B]:ILE:CD1	2:1k:148[B]:ILE:CD1	2.65	0.73
2:5f:222:LEU:HB3	2:6v:226:ILE:CG2	2.19	0.73
2:6e:265:ASP:HB3	2:8i:266:LEU:HD21	0.78	0.73
2:7a:200:LEU:HD13	2:6v:200:LEU:HD13	1.71	0.73
2:8e:226:ILE:O	2:9F:219:LYS:CG	2.30	0.73
2:8g:64:GLN:HG2	2:8g:109:THR:OG1	1.88	0.73
2:8g:228:ALA:HB3	2:9G:228:ALA:HB2	1.71	0.73
2:8i:98:ALA:CA	2:8i:110:LEU:CB	2.54	0.73
2:9F:242:LEU:C	2:9O:244:GLY:HA3	2.14	0.73
2:1j:179:ASN:HD22	2:1j:192:ASN:HD22	1.37	0.73
2:2f:226:ILE:CD1	2:3j:223:ARG:HA	2.17	0.73
2:2g:120:ILE:HD11	2:3i:125:ILE:HG12	1.68	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:262:ALA:HB1	2:3o:263:VAL:HG22	1.70	0.73
2:3l:64:GLN:HG2	2:3l:109:THR:OG1	1.88	0.73
2:6i:251:VAL:O	2:8o:270:ILE:HG23	1.87	0.73
2:6k:242:LEU:HD22	2:7e:244:GLY:O	1.87	0.73
2:6l:179:ASN:HD22	2:6l:192:ASN:HD22	1.37	0.73
2:8l:110:LEU:O	2:8l:110:LEU:HD22	1.87	0.73
2:8m:244:GLY:CA	2:9H:242:LEU:HA	2.17	0.73
2:8n:242:LEU:CD2	2:7n:244:GLY:O	2.37	0.73
2:8o:110:LEU:O	2:8o:110:LEU:HD22	1.87	0.73
2:1m:64:GLN:HG2	2:1m:109:THR:OG1	1.88	0.73
2:1n:116:LYS:HE3	2:1n:116:LYS:CA	2.14	0.73
2:2j:19:LEU:HD12	2:2j:41:TYR:CD2	2.20	0.73
2:2j:200:LEU:HD11	2:1t:200:LEU:HD13	1.69	0.73
2:4i:64:GLN:HG2	2:4i:109:THR:OG1	1.88	0.73
2:6o:225:MET:CG	2:7j:214:PRO:CG	2.65	0.73
2:7k:179:ASN:HD22	2:7k:192:ASN:HD22	1.37	0.73
2:7m:179:ASN:HD22	2:7m:192:ASN:HD22	1.36	0.73
2:8q:270:ILE:CB	2:9H:269:LEU:CD1	2.67	0.73
2:8t:251:VAL:HG13	2:8x:279:ILE:HD12	1.71	0.73
2:1s:232:TYR:CD2	2:3s:232:TYR:CD2	2.77	0.73
2:2o:222:LEU:HD13	2:1x:226:ILE:HG21	1.69	0.73
2:2q:179:ASN:HD22	2:2q:192:ASN:HD22	1.36	0.73
2:2q:193:LYS:HD2	2:3q:202:SER:HB3	1.70	0.73
2:2s:120:ILE:HD12	2:1w:120:ILE:HD11	1.66	0.73
2:6q:257:THR:C	2:9K:259:VAL:CG2	2.61	0.73
2:8y:193:LYS:HD3	2:9J:202:SER:HB3	1.71	0.73
2:9L:116:LYS:HE3	2:9L:116:LYS:CA	2.14	0.73
2:9I:179:ASN:HD22	2:9I:192:ASN:HD22	1.36	0.73
2:1w:232:TYR:CD2	2:3w:232:TYR:CD2	2.77	0.73
2:5m:118:ILE:HG12	2:7t:118:ILE:HD13	1.69	0.73
2:6v:98:ALA:CA	2:6v:110:LEU:CB	2.54	0.73
2:6w:225:MET:CG	2:7t:214:PRO:CG	2.65	0.73
2:9N:98:ALA:HA	2:9N:110:LEU:HB3	0.84	0.73
1:5F:446:ALA:HB1	2:5f:56:ASN:HD22	1.53	0.73
1:3I:443:SER:CA	2:3l:45:LYS:NZ	2.51	0.73
1:5L:423:GLU:O	1:5L:425:LYS:N	2.22	0.73
1:1M:447:GLN:N	2:1m:42:VAL:O	2.22	0.73
1:1U:137:GLN:HG3	1:1U:137:GLN:O	1.89	0.73
1:1V:444:GLY:CA	2:1t:44:VAL:HG21	2.19	0.73
1:1X:356:PRO:HG2	1:1X:369:PHE:HD2	0.94	0.73
2:1h:200:LEU:HD13	2:2t:200:LEU:HD11	1.69	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:179:ASN:HD22	2:2c:192:ASN:HD22	1.37	0.73
2:2c:200:LEU:CD1	2:3l:200:LEU:CD2	2.66	0.73
2:3h:64:GLN:HG2	2:3h:109:THR:OG1	1.88	0.73
2:5e:259:VAL:HG21	2:6g:258:ASP:C	2.13	0.73
2:5e:279:ILE:HA	2:6g:248:GLY:C	2.13	0.73
2:5e:279:ILE:HD11	2:6g:251:VAL:HG13	1.68	0.73
2:7b:179:ASN:HD22	2:7b:192:ASN:HD22	1.37	0.73
2:7d:57:MET:HB3	2:8f:61:ALA:HB3	1.69	0.73
2:7d:226:ILE:HD11	2:8f:226:ILE:HD11	1.65	0.73
2:8f:98:ALA:CA	2:8f:110:LEU:CB	2.54	0.73
2:8f:279:ILE:HD12	2:9P:251:VAL:HG13	1.71	0.73
2:8g:247:LYS:HB3	2:9G:239:THR:N	2.03	0.73
2:1k:64:GLN:HG2	2:1k:109:THR:OG1	1.88	0.73
2:1k:179:ASN:HD22	2:1k:192:ASN:HD22	1.37	0.73
2:1k:270:ILE:HD13	2:3k:251:VAL:HG23	1.70	0.73
2:2g:219:LYS:HB3	2:3i:226:ILE:C	2.14	0.73
2:2h:200:LEU:HD13	2:3p:200:LEU:HD22	1.69	0.73
2:7g:179:ASN:HD22	2:7g:192:ASN:HD22	1.37	0.73
2:8k:201:VAL:HA	2:9G:193:LYS:HD3	1.67	0.73
2:1o:232:TYR:CD2	2:3o:232:TYR:CD2	2.77	0.73
2:2l:179:ASN:HD22	2:2l:192:ASN:HD22	1.36	0.73
2:2n:269:LEU:CD2	2:3s:270:ILE:HG13	2.14	0.73
2:6n:239:THR:N	2:5l:247:LYS:H	1.85	0.73
2:6n:244:GLY:HA2	2:7p:243:GLY:O	1.88	0.73
2:6o:242:LEU:CD2	2:7j:244:GLY:O	2.35	0.73
2:8q:114:ARG:HB2	2:9H:114:ARG:HD2	1.71	0.73
2:8t:242:LEU:CD2	2:7s:244:GLY:O	2.37	0.73
2:8t:242:LEU:HB3	2:7s:244:GLY:HA3	1.70	0.73
2:8u:64:GLN:HG2	2:8u:109:THR:OG1	1.88	0.73
2:1s:259:VAL:CG2	2:3s:259:VAL:CG2	2.42	0.73
2:2o:244:GLY:HA3	2:1x:243:GLY:H	1.42	0.73
2:5k:279:ILE:HA	2:6s:248:GLY:C	2.13	0.73
2:8w:199:LEU:HD21	2:9I:186:ALA:O	1.88	0.73
2:8y:244:GLY:C	2:9J:242:LEU:HA	2.14	0.73
2:8z:242:LEU:HB3	2:7x:244:GLY:HA3	1.70	0.73
2:9L:179:ASN:HD22	2:9L:192:ASN:HD22	1.37	0.73
2:1v:222:LEU:HB3	2:3v:226:ILE:CG2	2.18	0.73
2:1v:225:MET:SD	2:2u:209:LEU:CD1	2.77	0.73
2:2v:193:LYS:HD2	2:3u:202:SER:HB3	1.70	0.73
2:3x:98:ALA:CA	2:3x:110:LEU:CB	2.54	0.73
2:4m:179:ASN:HD22	2:4m:192:ASN:HD22	1.37	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6x:263:VAL:HG22	2:9R:256:ALA:HB3	1.71	0.73
2:7t:179:ASN:HD22	2:7t:192:ASN:HD22	1.36	0.73
1:2C:28:GLN:HE22	2:4f:27:ILE:HD12	1.53	0.73
1:1I:444:GLY:HA2	2:1k:45:LYS:HD2	0.75	0.73
1:2F:28:GLN:HE22	2:1p:27:ILE:HD12	1.52	0.73
1:3I:444:GLY:O	2:3l:45:LYS:CE	2.37	0.73
1:9C:446:ALA:O	2:9H:56:ASN:N	2.22	0.73
1:4S:200:ILE:O	1:4S:343:SER:HA	1.87	0.73
1:6T:445:GLY:HA3	2:6s:54:GLN:O	1.88	0.73
1:1b:444:GLY:C	2:1x:44:VAL:HG21	2.13	0.73
2:2a:239:THR:CA	2:3f:247:LYS:O	2.37	0.73
2:3e:219:LYS:HG2	2:4e:226:ILE:HA	1.71	0.73
2:5e:179:ASN:HD22	2:5e:192:ASN:HD22	1.37	0.73
2:8e:73:VAL:CG1	2:9O:28:ILE:HB	2.18	0.73
2:8e:175:PHE:HA	2:9F:171:GLN:NE2	2.04	0.73
2:8e:175:PHE:HZ	2:9F:175:PHE:HE2	1.36	0.73
2:8g:183:PHE:CD1	2:9G:199:LEU:HD13	2.24	0.73
2:8i:179:ASN:HD22	2:8i:192:ASN:HD22	1.37	0.73
2:1k:273:LEU:HD22	2:3k:273:LEU:HD21	1.70	0.73
2:2h:242:LEU:HD11	2:3p:236:ALA:CA	2.18	0.73
2:6j:126:LYS:HG2	2:5j:119:SER:HB3	1.71	0.73
2:6j:226:ILE:CG2	2:5j:222:LEU:HB3	2.18	0.73
2:6k:196:LEU:HD22	2:7e:183:PHE:CZ	2.24	0.73
2:6k:226:ILE:HG21	2:7e:222:LEU:CB	2.19	0.73
2:8k:175:PHE:HA	2:9G:171:GLN:NE2	2.04	0.73
2:8k:278:ILE:HG21	2:9G:278:ILE:HG21	0.73	0.73
2:8l:179:ASN:HD22	2:8l:192:ASN:HD22	1.37	0.73
2:1m:179:ASN:HD22	2:1m:192:ASN:HD22	1.37	0.73
2:1n:222:LEU:HB3	2:3n:226:ILE:CG2	2.18	0.73
2:2m:242:LEU:HD11	2:3t:236:ALA:CA	2.18	0.73
2:3n:179:ASN:HD22	2:3n:192:ASN:HD22	1.37	0.73
2:5i:229:GLY:O	2:7j:228:ALA:HA	1.87	0.73
2:5j:227:GLY:C	2:7k:223:ARG:HD3	2.14	0.73
2:2o:235:PRO:O	2:1x:242:LEU:HD13	1.86	0.73
2:3q:219:LYS:HG2	2:4k:225:MET:O	1.88	0.73
2:3q:259:VAL:HG22	2:4k:259:VAL:HG22	1.68	0.73
2:7p:179:ASN:HD22	2:7p:192:ASN:HD22	1.37	0.73
2:9K:74:GLY:HA3	2:7v:23:GLN:HG3	1.69	0.73
2:1u:110:LEU:O	2:1u:110:LEU:HD22	1.87	0.73
2:5n:227:GLY:C	2:7u:223:ARG:HD3	2.14	0.73
2:7u:19:LEU:HD12	2:7u:41:TYR:CD2	2.20	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:266:LEU:N	2:9R:266:LEU:HD22	2.01	0.73
2:9J:179:ASN:HD22	2:9J:192:ASN:HD22	1.36	0.73
1:6A:447:GLN:CD	2:6h:56:ASN:HB2	2.14	0.73
1:7D:28:GLN:HG2	2:6u:52:LEU:HD11	1.71	0.73
1:8D:445:GLY:O	2:8i:44:VAL:CA	2.36	0.73
1:4L:448:ALA:HB2	2:4h:41:TYR:HD1	0.93	0.73
1:1Q:203:PRO:O	1:1Q:205:SER:N	2.22	0.73
1:2K:392:THR:HA	2:2m:46:ASP:OD2	1.88	0.73
1:3O:202:GLU:CD	1:3O:343:SER:OG	2.31	0.73
1:2R:447:GLN:C	2:2p:41:TYR:CD1	2.58	0.73
1:3U:208:GLY:O	1:3U:212:GLU:CG	2.19	0.73
1:5X:423:GLU:O	1:5X:425:LYS:N	2.22	0.73
2:1g:232:TYR:CD2	2:3g:232:TYR:CD2	2.77	0.73
2:1h:243:GLY:N	2:2t:244:GLY:CA	2.48	0.73
2:5e:279:ILE:HD13	2:6g:251:VAL:HG11	1.69	0.73
2:6g:196:LEU:HD22	2:7Z:183:PHE:CZ	2.24	0.73
2:6h:263:VAL:HG22	2:8j:256:ALA:HB3	1.71	0.73
2:7c:245:VAL:HG22	2:8j:245:VAL:HG13	1.71	0.73
2:8e:270:ILE:CA	2:9F:269:LEU:CD1	2.67	0.73
2:8e:278:ILE:HG21	2:9F:278:ILE:HG21	0.73	0.73
2:8f:110:LEU:O	2:8f:110:LEU:HD22	1.87	0.73
2:8f:179:ASN:HD22	2:8f:192:ASN:HD22	1.37	0.73
2:8g:244:GLY:C	2:9G:242:LEU:HA	2.14	0.73
2:9F:225:MET:HG3	2:9O:214:PRO:CG	2.18	0.73
2:1j:238:THR:O	2:2f:247:LYS:N	2.18	0.73
2:2e:179:ASN:HD22	2:2e:192:ASN:HD22	1.36	0.73
2:2h:179:ASN:HD22	2:2h:192:ASN:HD22	1.36	0.73
2:5g:179:ASN:HD22	2:5g:192:ASN:HD22	1.36	0.73
2:6k:225:MET:O	2:7e:214:PRO:CG	2.37	0.73
2:7f:179:ASN:HD22	2:7f:192:ASN:HD22	1.37	0.73
2:8k:270:ILE:CA	2:9G:269:LEU:CD1	2.67	0.73
2:8k:279:ILE:HG21	2:9G:273:LEU:HD23	1.66	0.73
2:8m:223:ARG:HG2	2:9H:228:ALA:HB2	1.71	0.73
2:8n:242:LEU:CD2	2:7n:244:GLY:HA3	2.16	0.73
2:8n:251:VAL:HG13	2:8r:279:ILE:HD12	1.71	0.73
2:1n:238:THR:O	2:2k:247:LYS:N	2.18	0.73
2:2j:223:ARG:HH11	2:1t:227:GLY:C	1.97	0.73
2:2k:239:THR:CA	2:3n:247:LYS:O	2.37	0.73
2:2m:256:ALA:HB3	2:4j:263:VAL:HG21	1.70	0.73
2:8q:243:GLY:CA	2:9H:234:LEU:HD21	2.14	0.73
2:8r:179:ASN:HD22	2:8r:192:ASN:HD22	1.37	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:247:LYS:C	2:2o:239:THR:CB	2.60	0.73
2:1s:226:ILE:C	2:3s:219:LYS:HE3	2.14	0.73
2:2o:236:ALA:CA	2:1x:242:LEU:CD2	2.63	0.73
2:3q:119:SER:HB3	2:4k:126:LYS:CG	2.19	0.73
2:4k:64:GLN:HG2	2:4k:109:THR:OG1	1.88	0.73
2:6q:255:THR:CA	2:9K:263:VAL:CG1	2.67	0.73
2:8w:114:ARG:HB2	2:9I:114:ARG:HD2	1.71	0.73
2:9K:64:GLN:HG2	2:9K:109:THR:OG1	1.88	0.73
2:1u:179:ASN:HD22	2:1u:192:ASN:HD22	1.37	0.73
2:1w:263:VAL:CG2	2:3w:262:ALA:CA	2.63	0.73
2:2u:242:LEU:CD2	2:3v:236:ALA:HA	2.18	0.73
2:2v:219:LYS:HB3	2:3u:226:ILE:C	2.14	0.73
2:7x:57:MET:HB3	2:9N:61:ALA:HB3	1.69	0.73
2:9M:180:VAL:HG22	2:9J:183:PHE:O	1.86	0.73
1:5F:419:ASP:HB3	1:5F:425:LYS:HZ3	1.54	0.72
1:6F:447:GLN:H	2:6e:56:ASN:H	1.36	0.72
1:7C:204:THR:O	1:7C:205:SER:C	2.30	0.72
1:1K:203:PRO:O	1:1K:205:SER:N	2.22	0.72
1:3J:443:SER:CB	2:3k:56:ASN:ND2	2.52	0.72
1:8R:447:GLN:CD	2:8s:44:VAL:HG22	2.14	0.72
1:7Q:395:ALA:HB3	2:7q:107:LEU:HG	1.71	0.72
1:5c:28:GLN:OE1	1:5c:28:GLN:N	2.17	0.72
1:8Y:446:ALA:O	2:9M:56:ASN:CA	2.37	0.72
2:2a:225:MET:O	2:3f:219:LYS:CG	2.29	0.72
2:3h:200:LEU:HD22	2:2w:200:LEU:HD13	1.69	0.72
2:5f:200:LEU:HD12	2:6v:200:LEU:HD22	1.69	0.72
2:5f:223:ARG:HH11	2:6v:227:GLY:CA	2.01	0.72
2:7b:23:GLN:HG3	2:9Q:74:GLY:HA3	1.69	0.72
2:8e:232:TYR:HD1	2:9F:232:TYR:O	1.64	0.72
2:8f:64:GLN:HG2	2:8f:109:THR:OG1	1.88	0.72
2:3i:246:LYS:CE	2:4g:240:THR:C	2.62	0.72
2:8m:183:PHE:CD1	2:9H:199:LEU:HD13	2.24	0.72
2:1o:237:ALA:HB1	2:3o:247:LYS:H	1.51	0.72
2:2l:19:LEU:HD12	2:2l:41:TYR:CD2	2.20	0.72
2:2n:120:ILE:HD12	2:1s:120:ILE:HD11	1.66	0.72
2:6m:255:THR:CA	2:8u:263:VAL:CG1	2.67	0.72
2:6p:64:GLN:HG2	2:6p:109:THR:OG1	1.88	0.72
2:7m:272:VAL:HG12	2:8v:279:ILE:HG22	1.70	0.72
2:8r:97:TYR:O	2:8r:110:LEU:CB	2.22	0.72
2:2o:120:ILE:CD1	2:1x:125:ILE:HG12	2.18	0.72
2:2p:226:ILE:CB	2:3r:222:LEU:CB	2.67	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2r:179:ASN:HD22	2:2r:192:ASN:HD22	1.37	0.72
2:3r:179:ASN:HD22	2:3r:192:ASN:HD22	1.37	0.72
2:5l:179:ASN:HD22	2:5l:192:ASN:HD22	1.37	0.72
2:6r:239:THR:CB	2:5n:247:LYS:O	2.36	0.72
2:8w:278:ILE:HG21	2:9l:278:ILE:HG21	0.73	0.72
2:8x:179:ASN:HD22	2:8x:192:ASN:HD22	1.37	0.72
2:1w:279:ILE:CB	2:3w:249:ALA:O	2.34	0.72
2:2u:242:LEU:C	2:3v:244:GLY:HA3	2.14	0.72
2:3u:119:SER:HB3	2:4m:126:LYS:CG	2.19	0.72
2:6w:226:ILE:HG21	2:7t:222:LEU:CB	2.19	0.72
2:7w:245:VAL:CG2	2:9R:245:VAL:HG11	2.18	0.72
2:9M:114:ARG:HB2	2:9J:114:ARG:HD2	1.71	0.72
2:9M:270:ILE:CA	2:9J:269:LEU:CD1	2.67	0.72
2:9N:179:ASN:HD22	2:9N:192:ASN:HD22	1.37	0.72
2:9O:64:GLN:HG2	2:9O:109:THR:OG1	1.88	0.72
1:2A:447:GLN:C	2:2c:41:TYR:CD1	2.53	0.72
1:1K:201:ASP:O	1:1K:202:GLU:CG	2.37	0.72
1:2G:356:PRO:CD	1:2G:369:PHE:CD2	2.66	0.72
1:3O:447:GLN:HE21	2:3p:44:VAL:CG2	1.92	0.72
1:5R:444:GLY:H	2:5j:45:LYS:HG2	1.48	0.72
1:7O:25:ARG:NH1	2:5j:51:ASP:OD1	2.22	0.72
1:1W:201:ASP:O	1:1W:202:GLU:CG	2.37	0.72
1:2R:403:SER:O	2:2p:16:TYR:OH	2.07	0.72
1:8T:447:GLN:HB2	2:8x:56:ASN:HB2	1.70	0.72
2:1g:179:ASN:HD22	2:1g:192:ASN:HD22	1.37	0.72
2:3e:246:LYS:CE	2:4e:240:THR:C	2.62	0.72
2:3g:179:ASN:HD22	2:3g:192:ASN:HD22	1.37	0.72
2:3h:239:THR:N	2:4n:247:LYS:HZ3	1.86	0.72
2:7a:243:GLY:O	2:6v:244:GLY:HA2	1.88	0.72
2:8e:199:LEU:HD21	2:9F:186:ALA:O	1.88	0.72
2:8f:126:LYS:HG2	2:9P:119:SER:HB3	1.69	0.72
2:8g:246:LYS:CB	2:9G:239:THR:C	2.47	0.72
2:2e:223:ARG:HH11	2:1p:227:GLY:C	1.97	0.72
2:3j:179:ASN:HD22	2:3j:192:ASN:HD22	1.37	0.72
2:6j:200:LEU:HD13	2:7k:200:LEU:HD13	1.70	0.72
2:6l:97:TYR:O	2:6l:110:LEU:CB	2.22	0.72
2:8k:154:ALA:CB	2:9G:158[B]:ILE:HD13	2.19	0.72
2:8k:199:LEU:HD21	2:9G:186:ALA:O	1.88	0.72
2:8k:270:ILE:CG2	2:9G:251:VAL:HG21	2.19	0.72
2:9G:179:ASN:HD22	2:9G:192:ASN:HD22	1.36	0.72
2:1m:210:LEU:HD22	2:2j:201:VAL:HG21	1.70	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:179:ASN:HD22	2:1n:192:ASN:HD22	1.37	0.72
2:2l:234:LEU:CD2	2:3m:243:GLY:HA2	2.18	0.72
2:2n:19:LEU:HD12	2:2n:41:TYR:CD2	2.20	0.72
2:5j:179:ASN:HD22	2:5j:192:ASN:HD22	1.37	0.72
2:6n:239:THR:CG2	2:5l:247:LYS:C	2.51	0.72
2:6o:225:MET:O	2:7j:214:PRO:CG	2.37	0.72
2:7m:245:VAL:HG22	2:8v:245:VAL:HG13	1.71	0.72
2:8q:180:VAL:CG2	2:9H:183:PHE:O	2.37	0.72
2:8s:244:GLY:HA3	2:9I:242:LEU:C	2.14	0.72
2:8u:97:TYR:O	2:8u:110:LEU:CB	2.22	0.72
2:2s:179:ASN:HD22	2:2s:192:ASN:HD22	1.36	0.72
2:6s:225:MET:O	2:7o:214:PRO:CG	2.37	0.72
2:7q:179:ASN:HD22	2:7q:192:ASN:HD22	1.37	0.72
2:2u:226:ILE:CD1	2:3v:223:ARG:HA	2.17	0.72
2:3w:179:ASN:HD22	2:3w:192:ASN:HD22	1.37	0.72
2:5m:179:ASN:HD22	2:5m:192:ASN:HD22	1.37	0.72
2:7w:272:VAL:HG12	2:9R:279:ILE:HG22	1.70	0.72
2:9M:280:SER:O	2:9J:250:ALA:HA	1.90	0.72
1:1A:208:GLY:O	1:1A:212:GLU:HG3	1.88	0.72
1:8H:446:ALA:H	2:8l:44:VAL:H	1.33	0.72
1:3P:443:SER:HA	2:3o:56:ASN:CG	2.09	0.72
1:5R:423:GLU:O	1:5R:425:LYS:N	2.22	0.72
1:7L:447:GLN:HG2	2:7l:44:VAL:CG2	2.19	0.72
1:1U:443:SER:OG	2:1s:45:LYS:NZ	2.22	0.72
1:1Z:448:ALA:HB3	2:1v:41:TYR:HE1	1.49	0.72
1:1b:354:VAL:HG12	1:1b:354:VAL:O	1.87	0.72
1:8Y:392:THR:CG2	2:9M:107:LEU:CD1	2.64	0.72
1:8a:445:GLY:HA3	2:9R:47:VAL:HG21	1.68	0.72
2:3g:263:VAL:HG22	2:2x:262:ALA:HB1	1.70	0.72
2:3h:193:LYS:CD	2:2w:202:SER:HB3	2.15	0.72
2:3h:200:LEU:CD2	2:2w:200:LEU:CD1	2.66	0.72
2:4f:179:ASN:HD22	2:4f:192:ASN:HD22	1.37	0.72
2:5f:223:ARG:HD3	2:6v:228:ALA:N	2.01	0.72
2:6e:148[B]:ILE:HD11	2:8i:148[B]:ILE:HD12	1.71	0.72
2:6e:231:PRO:HD3	2:8i:227:GLY:O	1.89	0.72
2:6e:247:LYS:HB2	2:8i:237:ALA:HB3	1.72	0.72
2:6e:255:THR:CA	2:8i:263:VAL:CG1	2.67	0.72
2:6f:246:LYS:HD3	2:7f:240:THR:CA	2.20	0.72
2:8e:154:ALA:CB	2:9F:158[B]:ILE:HD13	2.20	0.72
2:1k:263:VAL:HG22	2:3k:256:ALA:CB	2.14	0.72
2:3l:118:ILE:HD12	2:3l:118:ILE:N	2.05	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4g:64:GLN:HG2	2:4g:109:THR:OG1	1.88	0.72
2:5g:259:VAL:HG21	2:6k:258:ASP:C	2.13	0.72
2:5h:227:GLY:C	2:7f:223:ARG:HD3	2.14	0.72
2:8m:193:LYS:HD3	2:9H:202:SER:HB3	1.71	0.72
2:2l:193:LYS:HD2	2:3m:202:SER:HB3	1.70	0.72
2:2n:179:ASN:HD22	2:2n:192:ASN:HD22	1.36	0.72
2:3n:97:TYR:O	2:3n:110:LEU:CB	2.22	0.72
2:6o:196:LEU:HD22	2:7j:183:PHE:CZ	2.24	0.72
2:7m:245:VAL:CG2	2:8v:245:VAL:HG11	2.18	0.72
2:8s:118:ILE:HD12	2:8s:118:ILE:N	2.05	0.72
2:1s:232:TYR:OH	2:3s:234:LEU:HB2	1.88	0.72
2:2o:19:LEU:HD12	2:2o:41:TYR:CD2	2.20	0.72
2:3q:219:LYS:HG2	2:4k:226:ILE:HA	1.71	0.72
2:3r:64:GLN:HG2	2:3r:109:THR:OG1	1.88	0.72
2:6r:200:LEU:HD13	2:7u:200:LEU:HD13	1.70	0.72
2:7r:273:LEU:HD11	2:9L:273:LEU:HD11	1.71	0.72
2:8w:175:PHE:HA	2:9I:171:GLN:NE2	2.04	0.72
2:8y:122:VAL:N	2:9J:127:ASP:OD1	2.21	0.72
2:8y:247:LYS:HB3	2:9J:239:THR:N	2.03	0.72
2:9K:98:ALA:CA	2:9K:110:LEU:CB	2.54	0.72
2:2u:226:ILE:CB	2:3v:222:LEU:CB	2.68	0.72
2:2v:210:LEU:HA	2:3u:206:VAL:CG1	2.11	0.72
2:2v:226:ILE:O	2:4m:223:ARG:HG3	1.88	0.72
2:6u:257:THR:HA	2:9Q:259:VAL:CG1	2.12	0.72
2:7v:19:LEU:HD12	2:7v:41:TYR:CD2	2.20	0.72
2:7x:179:ASN:HD22	2:7x:192:ASN:HD22	1.36	0.72
2:9M:179:ASN:HD22	2:9M:192:ASN:HD22	1.36	0.72
2:9O:118:ILE:N	2:9O:118:ILE:HD12	2.05	0.72
1:1C:137:GLN:HG3	1:1C:137:GLN:O	1.89	0.72
1:1E:201:ASP:O	1:1E:202:GLU:CG	2.37	0.72
1:6Q:448:ALA:HB2	2:6n:41:TYR:CD2	2.24	0.72
1:4T:203:PRO:HB3	1:4T:212:GLU:HB2	1.70	0.72
1:1a:137:GLN:HG3	1:1a:137:GLN:O	1.89	0.72
2:2a:226:ILE:CB	2:3f:222:LEU:CB	2.68	0.72
2:3e:219:LYS:HG2	2:4e:225:MET:O	1.88	0.72
2:5e:278:ILE:CG2	2:6g:278:ILE:CD1	2.68	0.72
2:6e:256:ALA:H	2:8i:263:VAL:CG2	1.99	0.72
2:6g:225:MET:O	2:7Z:214:PRO:CG	2.37	0.72
2:7a:179:ASN:HD22	2:7a:192:ASN:HD22	1.37	0.72
2:8g:223:ARG:HG2	2:9G:228:ALA:HB2	1.71	0.72
2:8g:244:GLY:HA3	2:9G:242:LEU:C	2.14	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:244:GLY:CA	2:9G:242:LEU:HA	2.18	0.72
2:1k:232:TYR:OH	2:3k:234:LEU:HB2	1.87	0.72
2:2h:256:ALA:HB3	2:4h:263:VAL:HG21	1.70	0.72
2:5g:279:ILE:HD11	2:6k:251:VAL:HG13	1.68	0.72
2:5h:179:ASN:HD22	2:5h:192:ASN:HD22	1.37	0.72
2:6l:118:ILE:HD12	2:6l:118:ILE:N	2.05	0.72
2:8k:273:LEU:HB3	2:9G:273:LEU:CD2	2.19	0.72
2:8m:174:LEU:CD1	2:9H:174:LEU:HD22	2.19	0.72
2:8o:118:ILE:HD12	2:8o:118:ILE:N	2.05	0.72
2:3m:148[B]:ILE:HD11	2:4i:148[B]:ILE:HD12	1.71	0.72
2:3m:179:ASN:HD22	2:3m:192:ASN:HD22	1.37	0.72
2:5i:259:VAL:CG1	2:6o:258:ASP:N	2.44	0.72
2:6m:257:THR:N	2:8u:259:VAL:HG12	2.02	0.72
2:6n:239:THR:CB	2:5l:247:LYS:O	2.36	0.72
2:8s:223:ARG:HG2	2:9I:228:ALA:HB2	1.71	0.72
2:8v:179:ASN:HD22	2:8v:192:ASN:HD22	1.37	0.72
2:3r:118:ILE:HD12	2:3r:118:ILE:N	2.05	0.72
2:5k:64:GLN:HG2	2:5k:109:THR:OG1	1.88	0.72
2:5k:118:ILE:HG12	2:7o:118:ILE:HD13	1.69	0.72
2:8y:118:ILE:HD12	2:8y:118:ILE:N	2.05	0.72
2:8y:228:ALA:HB3	2:9J:228:ALA:HB2	1.71	0.72
2:8y:266:LEU:CD2	2:9M:254:SER:HB3	1.89	0.72
2:6v:64:GLN:HG2	2:6v:109:THR:OG1	1.88	0.72
2:9M:175:PHE:HA	2:9J:171:GLN:NE2	2.04	0.72
2:9M:278:ILE:HG22	2:9J:278:ILE:HD13	0.74	0.72
1:4F:443:SER:N	2:4f:56:ASN:HD21	1.87	0.72
1:1G:208:GLY:O	1:1G:212:GLU:HG3	1.88	0.72
1:4L:443:SER:HB2	2:4h:44:VAL:HG21	1.69	0.72
1:1W:207:THR:OG1	1:1X:355:SER:OG	1.71	0.72
1:3W:200:ILE:HD12	1:3W:213:PHE:CD1	2.25	0.72
1:4d:447:GLN:CG	2:4n:44:VAL:CG1	2.68	0.72
1:6c:448:ALA:C	2:6v:60:LEU:HG	2.14	0.72
2:1e:212:GLY:HA2	2:2Z:203:ASN:HD22	1.54	0.72
2:1e:245:VAL:N	2:2Z:242:LEU:HA	2.04	0.72
2:1f:222:LEU:HB3	2:3f:226:ILE:HG22	1.71	0.72
2:2b:179:ASN:HD22	2:2b:192:ASN:HD22	1.37	0.72
2:2c:175:PHE:HE1	2:3l:175:PHE:CZ	2.08	0.72
2:2d:120:ILE:HD13	2:1k:120:ILE:HD12	1.60	0.72
2:5f:247:LYS:O	2:6v:239:THR:CB	2.36	0.72
2:5f:247:LYS:C	2:6v:239:THR:CG2	2.51	0.72
2:6f:126:LYS:HG2	2:5h:119:SER:HB3	1.71	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:200:LEU:HD13	2:7f:200:LEU:HD13	1.71	0.72
2:7Z:179:ASN:HD22	2:7Z:192:ASN:HD22	1.36	0.72
2:7d:19:LEU:HD12	2:7d:41:TYR:CD2	2.20	0.72
2:8e:179:ASN:HD22	2:8e:192:ASN:HD22	1.37	0.72
2:8e:270:ILE:CG2	2:9F:251:VAL:HG21	2.19	0.72
2:8f:118:ILE:HD12	2:8f:118:ILE:N	2.05	0.72
2:8h:251:VAL:HG13	2:8l:279:ILE:HD12	1.71	0.72
2:8i:74:GLY:HA3	2:7g:23:GLN:HG3	1.69	0.72
2:2h:19:LEU:HD12	2:2h:41:TYR:CD2	2.20	0.72
2:5g:174:LEU:O	2:6k:167:LYS:HB3	1.89	0.72
2:6i:148[B]:ILE:HD11	2:8o:148[B]:ILE:HD12	1.71	0.72
2:6j:64:GLN:HG2	2:6j:109:THR:OG1	1.88	0.72
2:7h:179:ASN:HD22	2:7h:192:ASN:HD22	1.36	0.72
2:7i:179:ASN:HD22	2:7i:192:ASN:HD22	1.36	0.72
2:8m:118:ILE:HD12	2:8m:118:ILE:N	2.05	0.72
2:2n:234:LEU:HB2	2:3s:232:TYR:HH	1.51	0.72
2:8q:280:SER:O	2:9H:250:ALA:HA	1.90	0.72
2:8t:124:ASP:O	2:7s:119:SER:HA	1.90	0.72
2:1q:247:LYS:HG2	2:2o:239:THR:HG23	1.06	0.72
2:2o:179:ASN:HD22	2:2o:192:ASN:HD22	1.36	0.72
2:2o:244:GLY:CA	2:1x:243:GLY:N	2.48	0.72
2:6q:257:THR:HA	2:9K:259:VAL:CG1	2.12	0.72
2:8y:64:GLN:HG2	2:8y:109:THR:OG1	1.88	0.72
2:8y:214:PRO:CG	2:9J:225:MET:HG3	2.18	0.72
2:1u:245:VAL:N	2:2t:242:LEU:HA	2.05	0.72
2:1w:64:GLN:HG2	2:1w:109:THR:OG1	1.88	0.72
2:1w:118:ILE:HD12	2:1w:118:ILE:N	2.05	0.72
2:1w:266:LEU:HD11	2:3w:266:LEU:CA	1.99	0.72
2:3v:118:ILE:HD12	2:3v:118:ILE:N	2.05	0.72
2:4n:179:ASN:HD22	2:4n:192:ASN:HD22	1.37	0.72
2:5n:179:ASN:HD22	2:5n:192:ASN:HD22	1.37	0.72
2:9M:270:ILE:CG2	2:9J:251:VAL:HG21	2.19	0.72
2:9Q:98:ALA:CA	2:9Q:110:LEU:CB	2.54	0.72
2:9Q:179:ASN:HD22	2:9Q:192:ASN:HD22	1.37	0.72
1:4F:448:ALA:HB1	2:4f:41:TYR:CE1	2.25	0.72
1:6A:448:ALA:CB	2:6h:57:MET:HE1	2.17	0.72
1:7N:397:THR:HG22	2:7j:107:LEU:HB2	1.71	0.72
1:3U:447:GLN:O	2:3t:41:TYR:HB3	1.89	0.72
1:6T:409:ASP:OD1	1:6T:409:ASP:O	2.08	0.72
1:1c:201:ASP:O	1:1c:202:GLU:CG	2.37	0.72
1:8Z:202:GLU:O	1:8Z:203:PRO:C	2.31	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2Z:246:LYS:CB	2:1l:239:THR:O	2.33	0.72
2:3h:179:ASN:HD22	2:3h:192:ASN:HD22	1.37	0.72
2:4e:179:ASN:HD22	2:4e:192:ASN:HD22	1.37	0.72
2:7Z:19:LEU:HD12	2:7Z:41:TYR:CD2	2.20	0.72
2:7c:234:LEU:HB2	2:8j:232:TYR:OH	1.90	0.72
2:8e:273:LEU:HB3	2:9F:273:LEU:CD2	2.19	0.72
2:8g:122:VAL:N	2:9G:127:ASP:OD1	2.21	0.72
2:8i:38:ILE:CD1	2:8i:114:ARG:CZ	2.68	0.72
2:9F:179:ASN:HD22	2:9F:192:ASN:HD22	1.36	0.72
2:9F:202:SER:HB3	2:9O:193:LYS:HD3	1.71	0.72
2:9F:242:LEU:HA	2:9O:244:GLY:C	2.14	0.72
2:2i:19:LEU:HD12	2:2i:41:TYR:CD2	2.20	0.72
2:2i:209:LEU:HD21	2:3o:209:LEU:HD21	1.71	0.72
2:3l:179:ASN:HD22	2:3l:192:ASN:HD22	1.37	0.72
2:6i:251:VAL:HG13	2:8o:279:ILE:HD11	1.63	0.72
2:6k:206:VAL:CG1	2:7e:210:LEU:HA	2.17	0.72
2:8k:114:ARG:HB2	2:9G:114:ARG:HD2	1.71	0.72
2:8n:119:SER:HB3	2:8r:126:LYS:HG2	1.69	0.72
2:6m:256:ALA:C	2:8u:263:VAL:CG2	2.51	0.72
2:6n:126:LYS:HG2	2:5l:119:SER:HB3	1.71	0.72
2:7l:179:ASN:HD22	2:7l:192:ASN:HD22	1.37	0.72
2:8q:200:LEU:C	2:9H:193:LYS:HD3	2.12	0.72
2:8u:118:ILE:HD12	2:8u:118:ILE:N	2.05	0.72
2:1s:98:ALA:CA	2:1s:110:LEU:CB	2.54	0.72
2:2p:179:ASN:HD22	2:2p:192:ASN:HD22	1.36	0.72
2:2p:242:LEU:C	2:3r:244:GLY:HA3	2.14	0.72
2:2s:19:LEU:HD12	2:2s:41:TYR:CD2	2.20	0.72
2:3q:116:LYS:HE3	2:3q:116:LYS:CA	2.14	0.72
2:3q:179:ASN:HD22	2:3q:192:ASN:HD22	1.37	0.72
2:5k:269:LEU:HG	2:6s:269:LEU:CD2	2.19	0.72
2:6q:145:ARG:HG2	2:9K:148[A]:ILE:CG2	2.20	0.72
2:8w:237:ALA:CB	2:9I:246:LYS:HA	2.13	0.72
2:8w:273:LEU:HB3	2:9I:273:LEU:CD2	2.19	0.72
2:2v:236:ALA:CB	2:3u:242:LEU:HD21	2.20	0.72
2:4m:38:ILE:CD1	2:4m:114:ARG:CZ	2.68	0.72
2:5m:259:VAL:HG21	2:6w:258:ASP:C	2.13	0.72
2:6u:148[B]:ILE:HD11	2:9Q:148[B]:ILE:HD12	1.71	0.72
2:6u:257:THR:N	2:9Q:259:VAL:HG12	2.02	0.72
1:4L:448:ALA:HB1	2:4h:41:TYR:CE1	2.19	0.72
1:5L:444:GLY:N	2:5h:45:LYS:HG2	2.05	0.72
1:1N:448:ALA:HB2	2:1n:41:TYR:HD1	1.30	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6N:409:ASP:OD1	1:6N:409:ASP:O	2.08	0.72
1:8M:445:GLY:C	2:8q:44:VAL:CG2	2.62	0.72
1:8N:202:GLU:O	1:8N:203:PRO:C	2.31	0.72
1:9C:406:GLY:O	2:9H:45:LYS:HE2	1.90	0.72
1:4T:203:PRO:O	1:4T:204:THR:CB	2.38	0.72
1:1a:444:GLY:CA	2:1w:45:LYS:CE	2.68	0.72
1:3a:202:GLU:CD	1:3a:343:SER:OG	2.31	0.72
1:8c:445:GLY:CA	2:9P:44:VAL:CG2	2.68	0.72
2:1e:98:ALA:CA	2:1e:110:LEU:CB	2.54	0.72
2:1g:38:ILE:CD1	2:1g:114:ARG:CZ	2.68	0.72
2:2b:219:LYS:HB3	2:3e:226:ILE:C	2.14	0.72
2:2b:226:ILE:O	2:4e:223:ARG:HG3	1.88	0.72
2:2b:269:LEU:HD22	2:3e:270:ILE:HG12	1.71	0.72
2:2c:201:VAL:CG1	2:3l:210:LEU:CD2	2.63	0.72
2:2d:269:LEU:CD2	2:3k:270:ILE:HG13	2.15	0.72
2:3e:119:SER:HB3	2:4e:126:LYS:CG	2.19	0.72
2:5e:38:ILE:CD1	2:5e:114:ARG:CZ	2.68	0.72
2:5e:263:VAL:HG13	2:6g:254:SER:CB	2.20	0.72
2:8g:118:ILE:HD12	2:8g:118:ILE:N	2.05	0.72
2:8h:242:LEU:CD2	2:7i:244:GLY:O	2.37	0.72
2:9F:174:LEU:HD22	2:9O:174:LEU:CD1	2.20	0.72
2:9F:199:LEU:HD13	2:9O:183:PHE:CD1	2.24	0.72
2:1k:38:ILE:CD1	2:1k:114:ARG:CZ	2.68	0.72
2:1k:118:ILE:N	2:1k:118:ILE:HD12	2.05	0.72
2:2f:226:ILE:C	2:3j:223:ARG:CG	2.55	0.72
2:2i:197:GLN:NE2	2:3o:201:VAL:HG22	2.05	0.72
2:6i:257:THR:C	2:8o:259:VAL:HB	1.95	0.72
2:1o:118:ILE:HD12	2:1o:118:ILE:N	2.05	0.72
2:2m:175:PHE:HE1	2:3t:175:PHE:CZ	2.08	0.72
2:2m:226:ILE:CD1	2:3t:223:ARG:CA	2.64	0.72
2:3m:219:LYS:HG2	2:4i:225:MET:O	1.88	0.72
2:3n:98:ALA:CA	2:3n:110:LEU:CB	2.54	0.72
2:3p:38:ILE:CD1	2:3p:114:ARG:CZ	2.68	0.72
2:6m:145:ARG:HG2	2:8u:148[A]:ILE:CG2	2.20	0.72
2:6m:247:LYS:HB2	2:8u:237:ALA:HB3	1.71	0.72
2:6n:118:ILE:N	2:6n:118:ILE:HD12	2.05	0.72
2:8s:244:GLY:C	2:9I:242:LEU:HA	2.14	0.72
2:8u:38:ILE:CD1	2:8u:114:ARG:CZ	2.68	0.72
2:2o:223:ARG:HH11	2:1x:227:GLY:C	1.97	0.72
2:2p:242:LEU:CD2	2:3r:236:ALA:HA	2.18	0.72
2:2q:209:LEU:HD21	2:3q:209:LEU:CD2	2.20	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8z:124:ASP:O	2:7x:119:SER:HA	1.90	0.72
2:6u:247:LYS:HB2	2:9Q:237:ALA:HB3	1.71	0.72
2:6x:118:ILE:HD12	2:6x:118:ILE:N	2.05	0.72
1:1A:445:GLY:HA2	2:1e:44:VAL:HB	1.70	0.72
1:2B:447:GLN:O	2:2b:41:TYR:CD1	2.42	0.72
1:3I:208:GLY:O	1:3I:212:GLU:CG	2.19	0.72
1:5L:420:ILE:HG12	1:5L:427:LYS:O	1.90	0.72
1:6H:409:ASP:OD1	1:6H:409:ASP:O	2.08	0.72
1:1Q:201:ASP:O	1:1Q:202:GLU:CG	2.37	0.72
1:6W:446:ALA:HA	2:6r:42:VAL:O	1.90	0.72
1:7Q:392:THR:HA	2:7q:46:ASP:OD2	1.90	0.72
1:7R:392:THR:CB	2:7p:14:MET:CE	2.46	0.72
1:3c:200:ILE:HD12	1:3c:213:PHE:CD1	2.25	0.72
1:5d:420:ILE:HG12	1:5d:427:LYS:O	1.90	0.72
1:6Y:447:GLN:NE2	2:6x:58:TYR:CB	2.53	0.72
2:1e:97:TYR:O	2:1e:110:LEU:CB	2.22	0.72
2:1g:256:ALA:HB3	2:2x:263:VAL:HG21	1.72	0.72
2:2a:242:LEU:HD21	2:3f:236:ALA:HA	1.69	0.72
2:2b:236:ALA:CB	2:3e:242:LEU:HD21	2.20	0.72
2:2d:234:LEU:CD1	2:3k:234:LEU:HD11	2.20	0.72
2:2d:263:VAL:HG21	2:1k:256:ALA:HB3	1.72	0.72
2:3f:118:ILE:HD12	2:3f:118:ILE:N	2.05	0.72
2:3g:201:VAL:HG22	2:2x:197:GLN:NE2	2.05	0.72
2:4e:38:ILE:CD1	2:4e:114:ARG:CZ	2.68	0.72
2:5f:227:GLY:C	2:7a:223:ARG:HD3	2.14	0.72
2:6e:145:ARG:HG2	2:8i:148[A]:ILE:CG2	2.20	0.72
2:6f:239:THR:CG2	2:5h:247:LYS:HB3	2.19	0.72
2:6f:239:THR:CB	2:5h:247:LYS:O	2.36	0.72
2:9F:127:ASP:OD1	2:9O:122:VAL:N	2.21	0.72
2:1k:237:ALA:CB	2:3k:246:LYS:CA	2.62	0.72
2:2e:236:ALA:CA	2:1p:242:LEU:CD2	2.63	0.72
2:2g:209:LEU:HD21	2:3i:209:LEU:HD22	1.71	0.72
2:2h:175:PHE:HE1	2:3p:175:PHE:CZ	2.08	0.72
2:3i:148[B]:ILE:HD11	2:4g:148[B]:ILE:HD12	1.71	0.72
2:3l:98:ALA:CA	2:3l:110:LEU:CB	2.54	0.72
2:5g:64:GLN:HG2	2:5g:109:THR:OG1	1.88	0.72
2:6i:231:PRO:HD3	2:8o:227:GLY:O	1.89	0.72
2:6j:232:TYR:CD2	2:7k:232:TYR:CE1	2.78	0.72
2:1m:38:ILE:CD1	2:1m:114:ARG:CZ	2.68	0.72
2:1o:273:LEU:CD1	2:3o:269:LEU:CD1	2.40	0.72
2:2l:219:LYS:HB3	2:3m:226:ILE:C	2.14	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3m:119:SER:HB3	2:4i:126:LYS:CG	2.19	0.72
2:5i:267:ASN:ND2	2:6o:254:SER:CA	2.52	0.72
2:7m:273:LEU:HD11	2:8v:273:LEU:HD11	1.71	0.72
2:8q:154:ALA:CB	2:9H:158[B]:ILE:HD13	2.20	0.72
2:8s:183:PHE:CD1	2:9I:199:LEU:HD13	2.24	0.72
2:1q:118:ILE:HD12	2:1q:118:ILE:N	2.05	0.72
2:1q:179:ASN:HD22	2:1q:192:ASN:HD22	1.36	0.72
2:2o:212:GLY:HA3	2:1x:203:ASN:ND2	2.05	0.72
2:4k:118:ILE:HD12	2:4k:118:ILE:N	2.05	0.72
2:5k:118:ILE:HD12	2:5k:118:ILE:N	2.05	0.72
2:6r:118:ILE:HD12	2:6r:118:ILE:N	2.05	0.72
2:6r:246:LYS:HD3	2:7u:240:THR:CA	2.19	0.72
2:8w:225:MET:CG	2:9I:212:GLY:O	2.38	0.72
2:8x:38:ILE:CD1	2:8x:114:ARG:CZ	2.68	0.72
2:9K:118:ILE:HD12	2:9K:118:ILE:N	2.05	0.72
2:1u:97:TYR:O	2:1u:110:LEU:CB	2.22	0.72
2:1w:38:ILE:CD1	2:1w:114:ARG:CZ	2.68	0.72
2:2v:179:ASN:HD22	2:2v:192:ASN:HD22	1.36	0.72
2:5m:38:ILE:CD1	2:5m:114:ARG:CZ	2.68	0.72
2:7w:234:LEU:HB2	2:9R:232:TYR:OH	1.90	0.72
2:9M:273:LEU:HB3	2:9J:273:LEU:CD2	2.19	0.72
2:9O:38:ILE:CD1	2:9O:114:ARG:CZ	2.68	0.72
2:9P:179:ASN:HD22	2:9P:192:ASN:HD22	1.37	0.72
1:3E:200:ILE:HD12	1:3E:213:PHE:CD1	2.25	0.72
1:8K:445:GLY:O	2:8n:44:VAL:HG22	1.88	0.72
1:1O:137:GLN:O	1:1O:137:GLN:HG3	1.89	0.72
1:4N:203:PRO:O	1:4N:204:THR:CB	2.38	0.72
1:2Q:403:SER:HB3	2:2q:107:LEU:CD1	2.20	0.72
1:5X:420:ILE:HG12	1:5X:427:LYS:O	1.90	0.72
2:1e:38:ILE:CD1	2:1e:114:ARG:CZ	2.68	0.72
2:1h:203:ASN:ND2	2:2t:212:GLY:HA3	2.05	0.72
2:2a:163:THR:H	2:2a:166:ASN:HD22	1.38	0.72
2:2c:226:ILE:O	2:3l:223:ARG:CG	2.34	0.72
2:3h:118:ILE:HD12	2:3h:118:ILE:N	2.05	0.72
2:7d:163:THR:H	2:7d:166:ASN:HD22	1.38	0.72
2:8e:274:LYS:NZ	2:9F:251:VAL:CA	2.53	0.72
2:8g:38:ILE:CD1	2:8g:114:ARG:CZ	2.68	0.72
2:8g:193:LYS:HD3	2:9G:202:SER:HB3	1.71	0.72
2:9F:239:THR:N	2:9O:247:LYS:HB3	2.03	0.72
2:2e:210:LEU:HD23	2:1p:206:VAL:HG11	1.72	0.72
2:2h:203:ASN:HD22	2:3p:212:GLY:N	1.87	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:127:ASP:OD1	2:1o:122:VAL:N	2.22	0.72
2:4h:116:LYS:HE3	2:4h:116:LYS:CA	2.14	0.72
2:6k:179:ASN:HD22	2:6k:192:ASN:HD22	1.37	0.72
2:6k:239:THR:C	2:7e:246:LYS:CB	2.62	0.72
2:8m:244:GLY:HA3	2:9H:242:LEU:C	2.14	0.72
2:8o:38:ILE:CD1	2:8o:114:ARG:CZ	2.68	0.72
2:1m:28:ILE:CB	2:1t:73:VAL:CG1	2.68	0.72
2:2j:222:LEU:HD13	2:1t:226:ILE:HG21	1.69	0.72
2:2l:236:ALA:CB	2:3m:242:LEU:HD21	2.20	0.72
2:2l:273:LEU:CD2	2:3m:279:ILE:HG21	2.01	0.72
2:3n:118:ILE:HD12	2:3n:118:ILE:N	2.05	0.72
2:6o:226:ILE:HA	2:7j:219:LYS:HA	1.71	0.72
2:7n:163:THR:H	2:7n:166:ASN:HD22	1.38	0.72
2:7n:226:ILE:HD11	2:8r:226:ILE:HD11	1.65	0.72
2:8q:179:ASN:HD22	2:8q:192:ASN:HD22	1.36	0.72
2:8q:201:VAL:HA	2:9H:193:LYS:HD3	1.67	0.72
2:8q:270:ILE:CG2	2:9H:251:VAL:HG21	2.19	0.72
2:8s:270:ILE:CD1	2:8w:253:ALA:CA	2.62	0.72
2:1q:28:ILE:CB	2:1x:73:VAL:CG1	2.68	0.72
2:1s:118:ILE:HD12	2:1s:118:ILE:N	2.05	0.72
2:2q:247:LYS:N	2:3q:239:THR:N	2.35	0.72
2:2r:175:PHE:HE1	2:3x:175:PHE:CZ	2.08	0.72
2:3q:148[B]:ILE:HD11	2:4k:148[B]:ILE:HD12	1.71	0.72
2:5l:227:GLY:C	2:7p:223:ARG:HD3	2.14	0.72
2:6r:179:ASN:HD22	2:6r:192:ASN:HD22	1.36	0.72
2:7o:163:THR:H	2:7o:166:ASN:HD22	1.38	0.72
2:7r:254:SER:N	2:9L:267:ASN:CG	2.45	0.72
2:8w:270:ILE:HD11	2:9I:269:LEU:HB3	1.72	0.72
2:8w:270:ILE:CB	2:9I:269:LEU:CD1	2.67	0.72
2:8y:174:LEU:CD1	2:9J:174:LEU:HD22	2.20	0.72
2:8z:242:LEU:CD2	2:7x:244:GLY:HA3	2.16	0.72
2:1u:111:VAL:HG22	2:2t:57:MET:CE	2.20	0.72
2:1u:247:LYS:C	2:2t:239:THR:CB	2.60	0.72
2:1v:222:LEU:HB3	2:3v:226:ILE:HG22	1.71	0.72
2:2u:239:THR:CA	2:3v:247:LYS:O	2.37	0.72
2:3u:148[B]:ILE:HD11	2:4m:148[B]:ILE:HD12	1.71	0.72
2:3u:246:LYS:CE	2:4m:240:THR:C	2.62	0.72
2:5m:174:LEU:O	2:6w:167:LYS:HB3	1.89	0.72
2:5m:269:LEU:HG	2:6w:269:LEU:CD2	2.19	0.72
2:6u:231:PRO:HD3	2:9Q:227:GLY:O	1.89	0.72
2:6w:225:MET:O	2:7t:214:PRO:CG	2.37	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6x:179:ASN:HD22	2:6x:192:ASN:HD22	1.37	0.72
2:9M:278:ILE:HG21	2:9J:278:ILE:HG21	0.73	0.72
2:9M:279:ILE:C	2:9J:248:GLY:N	2.39	0.72
2:9N:118:ILE:HD12	2:9N:118:ILE:N	2.05	0.72
1:7C:443:SER:C	2:7a:45:LYS:NZ	2.47	0.72
1:1I:137:GLN:O	1:1I:137:GLN:HG3	1.89	0.72
1:4Q:447:GLN:CD	2:4i:60:LEU:HD11	2.15	0.72
1:1b:448:ALA:C	2:1x:41:TYR:CE1	2.68	0.72
1:4Z:203:PRO:CB	1:4Z:212:GLU:CG	2.64	0.72
1:7X:445:GLY:HA2	2:7t:45:LYS:HB3	1.69	0.72
1:8Y:448:ALA:CB	2:9M:57:MET:HE3	2.20	0.72
2:1g:226:ILE:C	2:3g:219:LYS:HE3	2.14	0.72
2:3e:148[B]:ILE:HD11	2:4e:148[B]:ILE:HD12	1.71	0.72
2:4e:118:ILE:HD12	2:4e:118:ILE:N	2.05	0.72
2:7c:254:SER:N	2:8j:267:ASN:CG	2.45	0.72
2:8e:243:GLY:CA	2:9F:234:LEU:HD21	2.14	0.72
2:1i:111:VAL:HG22	2:2e:57:MET:CE	2.20	0.72
2:1l:179:ASN:HD22	2:1l:192:ASN:HD22	1.37	0.72
2:2f:242:LEU:HD12	2:3j:235:PRO:C	2.12	0.72
2:2g:200:LEU:HD11	2:3i:200:LEU:CD1	2.20	0.72
2:2g:236:ALA:CB	2:3i:242:LEU:HD21	2.20	0.72
2:3l:38:ILE:CD1	2:3l:114:ARG:CZ	2.68	0.72
2:7i:163:THR:H	2:7i:166:ASN:HD22	1.38	0.72
2:8k:225:MET:CG	2:9G:212:GLY:O	2.38	0.72
2:8m:244:GLY:C	2:9H:242:LEU:HA	2.14	0.72
2:8n:124:ASP:O	2:7n:119:SER:HA	1.90	0.72
2:8n:242:LEU:HB3	2:7n:244:GLY:HA3	1.70	0.72
2:1m:118:ILE:HD12	2:1m:118:ILE:N	2.05	0.72
2:3m:246:LYS:CE	2:4i:240:THR:C	2.62	0.72
2:6o:173:LEU:HB3	2:7j:157:LEU:HD12	1.72	0.72
2:6o:179:ASN:HD22	2:6o:192:ASN:HD22	1.37	0.72
2:8s:193:LYS:HD3	2:9I:202:SER:HB3	1.71	0.72
2:8u:98:ALA:CA	2:8u:110:LEU:CB	2.54	0.72
2:2p:239:THR:CA	2:3r:247:LYS:O	2.37	0.72
2:4l:97:TYR:OH	2:3x:41:TYR:OH	1.96	0.72
2:8y:223:ARG:HG2	2:9J:228:ALA:HB2	1.71	0.72
2:9K:38:ILE:CD1	2:9K:114:ARG:CZ	2.68	0.72
2:6v:179:ASN:HD22	2:6v:192:ASN:HD22	1.37	0.72
2:9Q:64:GLN:HG2	2:9Q:109:THR:OG1	1.88	0.72
1:3C:202:GLU:HB2	1:3C:343:SER:HB3	1.72	0.71
1:8C:445:GLY:HA2	2:8j:45:LYS:HG3	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8C:447:GLN:HG2	2:8j:44:VAL:CG1	2.20	0.71
1:2K:28:GLN:NE2	2:1t:27:ILE:HD11	1.82	0.71
1:3O:408:GLU:CG	1:3O:437:ILE:CD1	2.68	0.71
1:1S:245:GLU:N	1:1S:245:GLU:OE1	2.23	0.71
1:2Y:28:GLN:HG2	2:1v:52:LEU:HD11	1.72	0.71
1:7W:445:GLY:HA2	2:7u:53:THR:OG1	1.90	0.71
2:1g:229:GLY:HA3	2:3g:231:PRO:CG	2.17	0.71
2:1g:269:LEU:HG	2:3g:269:LEU:HD21	0.75	0.71
2:1g:273:LEU:HD22	2:3g:273:LEU:HD21	1.71	0.71
2:1g:279:ILE:CB	2:3g:249:ALA:O	2.34	0.71
2:1h:226:ILE:HA	2:2t:219:LYS:HG2	1.72	0.71
2:2Z:219:LYS:HG2	2:1l:226:ILE:HA	1.72	0.71
2:2a:242:LEU:C	2:3f:244:GLY:HA3	2.14	0.71
2:3f:38:ILE:CD1	2:3f:114:ARG:CZ	2.68	0.71
2:6f:242:LEU:HD23	2:5h:244:GLY:C	2.14	0.71
2:6h:179:ASN:HD22	2:6h:192:ASN:HD22	1.37	0.71
2:7Z:163:THR:H	2:7Z:166:ASN:HD22	1.38	0.71
2:7d:119:SER:HA	2:9P:124:ASP:O	1.90	0.71
2:8e:114:ARG:HB2	2:9F:114:ARG:HD2	1.71	0.71
2:8i:118:ILE:HD12	2:8i:118:ILE:N	2.05	0.71
2:9F:163:THR:H	2:9F:166:ASN:HD22	1.38	0.71
2:9F:228:ALA:HB2	2:9O:223:ARG:HG2	1.71	0.71
2:1k:280:SER:N	2:3k:248:GLY:C	2.48	0.71
2:2f:163:THR:H	2:2f:166:ASN:HD22	1.38	0.71
2:2f:242:LEU:C	2:3j:244:GLY:HA3	2.14	0.71
2:2h:180:VAL:HG22	2:3p:183:PHE:HE2	1.55	0.71
2:3i:234:LEU:HD21	2:4g:243:GLY:HA2	1.69	0.71
2:2j:163:THR:H	2:2j:166:ASN:HD22	1.38	0.71
2:6n:242:LEU:HD23	2:5l:244:GLY:C	2.14	0.71
2:8q:175:PHE:HZ	2:9H:175:PHE:HE2	1.36	0.71
2:8t:239:THR:CB	2:7s:247:LYS:HB3	2.20	0.71
2:2o:232:TYR:HE2	2:1x:232:TYR:OH	1.73	0.71
2:2r:203:ASN:HD22	2:3x:212:GLY:N	1.87	0.71
2:2s:197:GLN:NE2	2:3w:201:VAL:HG22	2.05	0.71
2:3q:246:LYS:CE	2:4k:240:THR:C	2.62	0.71
2:5k:174:LEU:O	2:6s:167:LYS:HB3	1.89	0.71
2:6s:226:ILE:HA	2:7o:219:LYS:HA	1.71	0.71
2:7p:163:THR:H	2:7p:166:ASN:HD22	1.38	0.71
2:1w:226:ILE:C	2:3w:219:LYS:HE3	2.14	0.71
2:1w:259:VAL:CG2	2:3w:259:VAL:CG2	2.42	0.71
2:2v:209:LEU:HD21	2:3u:209:LEU:HD22	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5m:263:VAL:HG13	2:6w:254:SER:CB	2.20	0.71
2:9M:278:ILE:HG22	2:9J:278:ILE:HG21	1.57	0.71
2:9O:179:ASN:HD22	2:9O:192:ASN:HD22	1.37	0.71
1:4B:203:PRO:CB	1:4B:212:GLU:CG	2.64	0.71
1:3I:444:GLY:O	2:3l:45:LYS:HG3	1.87	0.71
1:6K:202:GLU:C	1:6K:209:ALA:HB1	2.05	0.71
1:3O:447:GLN:O	2:3p:41:TYR:HB3	1.89	0.71
1:3Q:200:ILE:HD12	1:3Q:213:PHE:CD1	2.25	0.71
1:4T:203:PRO:HA	1:4T:212:GLU:CG	2.21	0.71
1:6X:447:GLN:CD	2:6q:56:ASN:ND2	2.20	0.71
1:1b:448:ALA:O	2:1x:41:TYR:CD1	2.43	0.71
1:1c:203:PRO:O	1:1c:205:SER:N	2.22	0.71
1:4d:443:SER:HB2	2:4n:44:VAL:HG21	1.71	0.71
1:6c:446:ALA:H	2:6v:44:VAL:N	1.88	0.71
2:1e:118:ILE:HD12	2:1e:118:ILE:N	2.05	0.71
2:1h:227:GLY:C	2:2t:223:ARG:HH11	1.97	0.71
2:2b:247:LYS:N	2:3e:238:THR:O	2.22	0.71
2:2c:180:VAL:HG22	2:3l:183:PHE:HE2	1.55	0.71
2:2c:202:SER:N	2:3l:197:GLN:NE2	2.38	0.71
2:4f:116:LYS:HE3	2:4f:116:LYS:CA	2.14	0.71
2:5f:247:LYS:HB3	2:6v:239:THR:CG2	2.19	0.71
2:6g:226:ILE:HA	2:7Z:219:LYS:HA	1.71	0.71
2:1i:226:ILE:O	2:1p:223:ARG:CD	2.38	0.71
2:3i:219:LYS:HG2	2:4g:226:ILE:HA	1.71	0.71
2:5g:277:GLY:O	2:6k:247:LYS:CG	2.33	0.71
2:7h:234:LEU:HB2	2:8p:232:TYR:OH	1.90	0.71
2:8m:219:LYS:CG	2:9H:225:MET:O	2.28	0.71
2:8n:179:ASN:HD22	2:8n:192:ASN:HD22	1.37	0.71
2:1n:222:LEU:HB3	2:3n:226:ILE:HG22	1.71	0.71
2:2l:269:LEU:HD22	2:3m:270:ILE:HG12	1.71	0.71
2:2m:180:VAL:HG22	2:3t:183:PHE:HE2	1.55	0.71
2:2m:241:THR:N	2:3t:245:VAL:O	2.24	0.71
2:5i:118:ILE:HD12	2:5i:118:ILE:N	2.05	0.71
2:5i:279:ILE:HA	2:6o:248:GLY:C	2.13	0.71
2:8q:273:LEU:HB3	2:9H:273:LEU:CD2	2.19	0.71
2:8r:38:ILE:CD1	2:8r:114:ARG:CZ	2.68	0.71
2:1q:242:LEU:HD23	2:1x:245:VAL:CA	2.20	0.71
2:2q:210:LEU:HA	2:3q:206:VAL:CG1	2.11	0.71
2:5k:263:VAL:HG13	2:6s:254:SER:CB	2.20	0.71
2:6r:38:ILE:CD1	2:6r:114:ARG:CZ	2.68	0.71
2:7r:245:VAL:HG22	2:9L:245:VAL:HG13	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:222:LEU:HB2	2:9J:226:ILE:HG22	1.50	0.71
2:8z:179:ASN:HD22	2:8z:192:ASN:HD22	1.37	0.71
2:2t:163:THR:H	2:2t:166:ASN:HD22	1.38	0.71
2:3v:179:ASN:HD22	2:3v:192:ASN:HD22	1.37	0.71
2:7u:163:THR:H	2:7u:166:ASN:HD22	1.38	0.71
2:9M:154:ALA:CB	2:9J:158[B]:ILE:HD13	2.20	0.71
2:9M:243:GLY:CA	2:9J:234:LEU:HD21	2.14	0.71
2:9Q:38:ILE:CD1	2:9Q:114:ARG:CZ	2.68	0.71
1:6B:409:ASP:OD1	1:6B:409:ASP:O	2.08	0.71
1:7B:392:THR:O	2:7b:46:ASP:OD2	2.08	0.71
1:4N:203:PRO:HB3	1:4N:212:GLU:HB2	1.70	0.71
1:5R:443:SER:C	2:5j:44:VAL:CG2	2.62	0.71
1:5R:447:GLN:HB2	2:5j:42:VAL:HB	1.71	0.71
1:6W:445:GLY:HA3	2:6r:45:LYS:N	2.05	0.71
1:7R:403:SER:C	2:7p:16:TYR:HH	1.98	0.71
1:4Z:203:PRO:O	1:4Z:204:THR:CB	2.38	0.71
1:6Z:409:ASP:OD1	1:6Z:409:ASP:O	2.08	0.71
1:7X:447:GLN:CD	2:7t:44:VAL:HG11	2.15	0.71
1:7Y:448:ALA:HB2	2:7w:60:LEU:HD11	1.61	0.71
2:1g:118:ILE:HD12	2:1g:118:ILE:N	2.05	0.71
2:2c:206:VAL:CG2	2:3l:209:LEU:C	2.63	0.71
2:2d:197:GLN:NE2	2:3k:201:VAL:HG22	2.05	0.71
2:3h:98:ALA:CA	2:3h:110:LEU:CB	2.54	0.71
2:5e:269:LEU:HG	2:6g:269:LEU:CD2	2.19	0.71
2:5f:119:SER:HB3	2:6v:126:LYS:HG2	1.71	0.71
2:5f:179:ASN:HD22	2:5f:192:ASN:HD22	1.37	0.71
2:7a:240:THR:CA	2:6v:246:LYS:HD3	2.20	0.71
2:7c:259:VAL:H	2:8j:259:VAL:HG21	1.54	0.71
2:7d:244:GLY:O	2:9P:242:LEU:CD2	2.37	0.71
2:8e:279:ILE:HB	2:9F:248:GLY:HA3	1.73	0.71
2:1i:38:ILE:CD1	2:1i:114:ARG:CZ	2.68	0.71
2:1i:118:ILE:HD12	2:1i:118:ILE:N	2.05	0.71
2:3i:119:SER:HB3	2:4g:126:LYS:CG	2.19	0.71
2:3l:97:TYR:O	2:3l:110:LEU:CB	2.22	0.71
2:5g:38:ILE:CD1	2:5g:114:ARG:CZ	2.68	0.71
2:5g:279:ILE:CA	2:6k:248:GLY:O	2.39	0.71
2:6i:145:ARG:HG2	2:8o:148[A]:ILE:CG2	2.20	0.71
2:6j:118:ILE:HD12	2:6j:118:ILE:N	2.05	0.71
2:7e:163:THR:H	2:7e:166:ASN:HD22	1.38	0.71
2:1o:38:ILE:CD1	2:1o:114:ARG:CZ	2.68	0.71
2:1o:273:LEU:HD22	2:3o:273:LEU:HD21	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:209:LEU:HD21	2:3m:209:LEU:CD2	2.20	0.71
2:3m:97:TYR:HH	2:4i:41:TYR:HH	1.38	0.71
2:3n:38:ILE:CD1	2:3n:114:ARG:CZ	2.68	0.71
2:3p:118:ILE:HD12	2:3p:118:ILE:N	2.05	0.71
2:5i:64:GLN:HG2	2:5i:109:THR:OG1	1.88	0.71
2:5i:263:VAL:HG13	2:6o:254:SER:CB	2.20	0.71
2:6n:242:LEU:HD11	2:5l:236:ALA:HA	1.72	0.71
2:6p:111:VAL:CG2	2:7m:57:MET:CE	2.63	0.71
2:6p:263:VAL:HG22	2:8v:256:ALA:HB3	1.71	0.71
2:8q:232:TYR:OH	2:9H:234:LEU:N	2.24	0.71
2:8q:270:ILE:CA	2:9H:269:LEU:CD1	2.67	0.71
2:8s:209:LEU:HG	2:9I:206:VAL:CG2	2.20	0.71
2:1q:226:ILE:O	2:1x:223:ARG:CD	2.38	0.71
2:1s:38:ILE:CD1	2:1s:114:ARG:CZ	2.68	0.71
2:2o:163:THR:H	2:2o:166:ASN:HD22	1.38	0.71
2:3r:38:ILE:CD1	2:3r:114:ARG:CZ	2.68	0.71
2:6t:98:ALA:CA	2:6t:110:LEU:CB	2.54	0.71
2:8z:239:THR:CB	2:7x:247:LYS:HB3	2.19	0.71
2:1u:118:ILE:HD12	2:1u:118:ILE:N	2.05	0.71
2:6x:111:VAL:CG2	2:7w:57:MET:CE	2.63	0.71
2:9M:200:LEU:C	2:9J:193:LYS:HD3	2.12	0.71
1:3K:200:ILE:HD12	1:3K:213:PHE:CD1	2.25	0.71
1:7G:444:GLY:N	2:7g:45:LYS:HZ1	1.88	0.71
1:4X:446:ALA:CB	2:4l:56:ASN:H	2.02	0.71
1:6S:200:ILE:HG12	1:6S:201:ASP:O	1.91	0.71
1:1c:201:ASP:OD2	1:1d:372:TYR:OH	2.05	0.71
1:6Z:445:GLY:HA3	2:6w:54:GLN:O	1.90	0.71
2:3g:209:LEU:HD21	2:2x:209:LEU:HD21	1.71	0.71
2:4f:247:LYS:HZ3	2:3l:239:THR:N	1.87	0.71
2:6e:251:VAL:HG13	2:8i:279:ILE:HD11	1.63	0.71
2:6h:118:ILE:HD12	2:6h:118:ILE:N	2.05	0.71
2:7b:19:LEU:HD12	2:7b:41:TYR:CD2	2.20	0.71
2:7d:179:ASN:HD22	2:7d:192:ASN:HD22	1.36	0.71
2:8e:97:TYR:OH	2:9O:41:TYR:OH	1.70	0.71
2:8e:201:VAL:HA	2:9F:193:LYS:HD3	1.66	0.71
2:8g:174:LEU:CD1	2:9G:174:LEU:HD22	2.19	0.71
2:2e:212:GLY:HA3	2:1p:203:ASN:ND2	2.05	0.71
2:2g:163:THR:H	2:2g:166:ASN:HD22	1.38	0.71
2:2g:247:LYS:N	2:3i:238:THR:O	2.23	0.71
2:2i:219:LYS:HE3	2:3o:227:GLY:N	2.06	0.71
2:2i:245:VAL:N	2:3o:243:GLY:O	2.24	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6j:200:LEU:CD1	2:7k:200:LEU:HD13	2.20	0.71
2:7h:248:GLY:C	2:8p:279:ILE:HA	2.16	0.71
2:7h:259:VAL:H	2:8p:259:VAL:HG21	1.54	0.71
2:8k:274:LYS:NZ	2:9G:251:VAL:CA	2.53	0.71
2:8l:38:ILE:CD1	2:8l:114:ARG:CZ	2.68	0.71
2:9G:163:THR:H	2:9G:166:ASN:HD22	1.38	0.71
2:1m:245:VAL:N	2:2j:242:LEU:HA	2.05	0.71
2:6m:148[B]:ILE:HD11	2:8u:148[B]:ILE:HD12	1.71	0.71
2:1q:212:GLY:HA2	2:2o:203:ASN:HD22	1.54	0.71
2:2q:236:ALA:CB	2:3q:242:LEU:HD21	2.20	0.71
2:2r:202:SER:N	2:3x:197:GLN:NE2	2.38	0.71
2:2r:206:VAL:CG2	2:3x:209:LEU:C	2.63	0.71
2:3r:97:TYR:O	2:3r:110:LEU:CB	2.22	0.71
2:4k:179:ASN:HD22	2:4k:192:ASN:HD22	1.37	0.71
2:6q:231:PRO:HD3	2:9K:227:GLY:O	1.89	0.71
2:6r:200:LEU:CD1	2:7u:200:LEU:HD13	2.21	0.71
2:7r:19:LEU:HD12	2:7r:41:TYR:CD2	2.20	0.71
2:8w:270:ILE:CA	2:9I:269:LEU:CD1	2.67	0.71
2:8y:183:PHE:CD1	2:9J:199:LEU:HD13	2.24	0.71
2:8y:246:LYS:CB	2:9J:239:THR:C	2.47	0.71
2:1w:263:VAL:HG21	2:3w:256:ALA:HB3	0.94	0.71
2:1x:126:LYS:HD3	2:1x:126:LYS:C	2.16	0.71
2:6u:145:ARG:HG2	2:9Q:148[A]:ILE:CG2	2.20	0.71
2:6w:239:THR:C	2:7t:246:LYS:CB	2.62	0.71
2:6x:38:ILE:CD1	2:6x:114:ARG:CZ	2.68	0.71
2:7t:163:THR:H	2:7t:166:ASN:HD22	1.38	0.71
2:7x:163:THR:H	2:7x:166:ASN:HD22	1.38	0.71
2:7x:226:ILE:HD11	2:9N:226:ILE:HD11	1.65	0.71
1:2E:448:ALA:O	2:2d:58:TYR:O	2.07	0.71
1:5F:446:ALA:O	2:5f:56:ASN:O	2.09	0.71
1:2H:25:ARG:CZ	2:4h:51:ASP:OD2	2.39	0.71
1:3I:408:GLU:CG	1:3I:437:ILE:CD1	2.68	0.71
1:8P:444:GLY:H	2:8u:45:LYS:CE	2.03	0.71
1:6Y:200:ILE:HG12	1:6Y:201:ASP:O	1.91	0.71
1:7W:403:SER:O	2:7u:16:TYR:OH	2.08	0.71
1:8c:446:ALA:HA	2:9P:44:VAL:HG13	1.71	0.71
2:1h:125:ILE:HG12	2:2t:120:ILE:CD1	2.18	0.71
2:1h:239:THR:O	2:2t:246:LYS:CB	2.33	0.71
2:2Z:163:THR:H	2:2Z:166:ASN:HD22	1.38	0.71
2:2Z:179:ASN:HD22	2:2Z:192:ASN:HD22	1.36	0.71
2:2Z:212:GLY:HA3	2:1l:203:ASN:ND2	2.05	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2Z:232:TYR:HE2	2:1l:232:TYR:OH	1.73	0.71
2:2a:242:LEU:HA	2:3f:244:GLY:CA	2.21	0.71
2:2d:219:LYS:HG2	2:3k:226:ILE:CA	2.11	0.71
2:3f:179:ASN:HD22	2:3f:192:ASN:HD22	1.37	0.71
2:6e:162:THR:OG1	2:8i:173:LEU:O	2.08	0.71
2:6g:240:THR:CA	2:7Z:246:LYS:HD3	2.16	0.71
2:7c:248:GLY:C	2:8j:279:ILE:HA	2.16	0.71
2:7c:272:VAL:HG12	2:8j:279:ILE:HG22	1.70	0.71
2:8e:225:MET:CG	2:9F:212:GLY:O	2.38	0.71
2:8g:235:PRO:C	2:9G:242:LEU:HD12	2.07	0.71
2:1i:234:LEU:HD21	2:2e:242:LEU:HB3	1.73	0.71
2:1k:226:ILE:C	2:3k:219:LYS:HE3	2.14	0.71
2:2g:210:LEU:CD2	2:3i:206:VAL:CG1	2.67	0.71
2:2h:202:SER:N	2:3p:197:GLN:NE2	2.38	0.71
2:2h:241:THR:N	2:3p:245:VAL:O	2.23	0.71
2:2i:234:LEU:CD1	2:3o:234:LEU:HD11	2.20	0.71
2:3j:98:ALA:CA	2:3j:110:LEU:CB	2.54	0.71
2:3k:179:ASN:HD22	2:3k:192:ASN:HD22	1.37	0.71
2:5g:263:VAL:HG13	2:6k:254:SER:CB	2.20	0.71
2:6j:179:ASN:HD22	2:6j:192:ASN:HD22	1.37	0.71
2:6j:242:LEU:O	2:5j:234:LEU:CD2	2.38	0.71
2:6j:246:LYS:HD3	2:7k:240:THR:CA	2.19	0.71
2:7h:251:VAL:CG2	2:8p:270:ILE:CG2	2.68	0.71
2:7h:273:LEU:HD11	2:8p:273:LEU:HD11	1.71	0.71
2:8n:239:THR:CB	2:7n:247:LYS:HB3	2.19	0.71
2:2m:163:THR:H	2:2m:166:ASN:HD22	1.38	0.71
2:2n:262:ALA:HB1	2:3s:263:VAL:HG22	1.70	0.71
2:6n:246:LYS:HD3	2:7p:240:THR:CA	2.20	0.71
2:6p:97:TYR:O	2:6p:110:LEU:CB	2.22	0.71
2:8q:200:LEU:CD2	2:9H:196:LEU:HB2	2.17	0.71
2:9H:163:THR:H	2:9H:166:ASN:HD22	1.38	0.71
2:1q:245:VAL:N	2:2o:242:LEU:HA	2.04	0.71
2:1s:148[B]:ILE:HD13	2:3s:148[B]:ILE:CD1	2.20	0.71
2:1s:237:ALA:CB	2:3s:246:LYS:C	2.64	0.71
2:2p:199:LEU:HD13	2:3r:183:PHE:CD1	2.26	0.71
2:2s:234:LEU:CD1	2:3w:234:LEU:HD11	2.20	0.71
2:5k:226:ILE:HD11	2:7o:226:ILE:HD11	1.73	0.71
2:5k:270:ILE:HD13	2:6s:251:VAL:CG2	2.20	0.71
2:6r:242:LEU:O	2:5n:234:LEU:CD2	2.38	0.71
2:6t:118:ILE:HD12	2:6t:118:ILE:N	2.05	0.71
2:6t:263:VAL:HG22	2:9L:256:ALA:HB3	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:179:ASN:HD22	2:7r:192:ASN:HD22	1.37	0.71
2:8w:280:SER:O	2:9I:250:ALA:HA	1.90	0.71
2:2v:163:THR:H	2:2v:166:ASN:HD22	1.39	0.71
2:2v:209:LEU:HD21	2:3u:209:LEU:CD2	2.20	0.71
2:2v:247:LYS:N	2:3u:238:THR:O	2.23	0.71
2:5m:118:ILE:HD12	2:5m:118:ILE:N	2.05	0.71
2:6u:255:THR:CA	2:9Q:263:VAL:CG1	2.67	0.71
2:6u:257:THR:N	2:9Q:259:VAL:HG11	2.02	0.71
2:6w:242:LEU:HB3	2:7t:234:LEU:HG	1.72	0.71
2:7w:251:VAL:CG2	2:9R:270:ILE:CG2	2.68	0.71
2:9M:270:ILE:HD11	2:9J:269:LEU:HB3	1.72	0.71
2:9Q:118:ILE:HD12	2:9Q:118:ILE:N	2.05	0.71
1:7E:228:GLN:OE1	1:7E:228:GLN:N	2.23	0.71
1:8F:445:GLY:O	2:8g:44:VAL:HG23	1.90	0.71
1:3I:228:GLN:OE1	1:3I:228:GLN:N	2.17	0.71
1:7H:204:THR:O	1:7H:205:SER:C	2.30	0.71
1:5Q:203:PRO:O	1:5Q:212:GLU:OE1	2.09	0.71
1:8W:448:ALA:O	2:8z:60:LEU:HB2	1.91	0.71
1:6Z:445:GLY:O	2:6w:44:VAL:HG22	1.89	0.71
1:9E:406:GLY:HA3	2:9J:45:LYS:HE2	1.71	0.71
2:1h:179:ASN:HD22	2:1h:192:ASN:HD22	1.37	0.71
2:2Z:223:ARG:HH11	2:1l:227:GLY:C	1.97	0.71
2:5f:236:ALA:HA	2:6v:242:LEU:HD11	1.72	0.71
2:6g:206:VAL:CG1	2:7Z:210:LEU:HA	2.17	0.71
2:6h:38:ILE:CD1	2:6h:114:ARG:CZ	2.68	0.71
2:7a:200:LEU:HD13	2:6v:200:LEU:CD1	2.21	0.71
2:8f:38:ILE:CD1	2:8f:114:ARG:CZ	2.68	0.71
2:1i:223:ARG:CZ	2:2e:227:GLY:HA3	2.15	0.71
2:1l:116:LYS:HE3	2:1l:116:LYS:CA	2.14	0.71
2:4g:118:ILE:HD12	2:4g:118:ILE:N	2.05	0.71
2:8k:281:LEU:CA	2:9G:250:ALA:HA	2.20	0.71
2:8m:38:ILE:CD1	2:8m:114:ARG:CZ	2.68	0.71
2:8n:242:LEU:CB	2:7n:234:LEU:HD21	2.10	0.71
2:1m:197:GLN:HG3	2:2j:200:LEU:O	1.91	0.71
2:1m:223:ARG:CZ	2:2j:227:GLY:HA3	2.15	0.71
2:1o:280:SER:N	2:3o:248:GLY:C	2.49	0.71
2:2n:209:LEU:HD21	2:3s:209:LEU:HD21	1.71	0.71
2:5i:270:ILE:HD13	2:6o:251:VAL:CG2	2.20	0.71
2:6m:179:ASN:HD22	2:6m:192:ASN:HD22	1.36	0.71
2:6m:231:PRO:HD3	2:8u:227:GLY:O	1.89	0.71
2:6o:226:ILE:HG21	2:7j:222:LEU:CB	2.19	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6p:118:ILE:HD12	2:6p:118:ILE:N	2.05	0.71
2:8s:38:ILE:CD1	2:8s:114:ARG:CZ	2.68	0.71
2:8s:228:ALA:HB3	2:9I:228:ALA:HB2	1.71	0.71
2:8s:247:LYS:HB3	2:9I:239:THR:N	2.03	0.71
2:2q:209:LEU:HD21	2:3q:209:LEU:HD22	1.71	0.71
2:2r:180:VAL:HG22	2:3x:183:PHE:HE2	1.55	0.71
2:5k:38:ILE:CD1	2:5k:114:ARG:CZ	2.68	0.71
2:5k:267:ASN:ND2	2:6s:254:SER:CA	2.52	0.71
2:6q:247:LYS:HB2	2:9K:237:ALA:HB3	1.72	0.71
2:6q:257:THR:N	2:9K:259:VAL:HG12	2.02	0.71
2:7s:163:THR:H	2:7s:166:ASN:HD22	1.38	0.71
2:8w:226:ILE:O	2:9I:219:LYS:CG	2.30	0.71
2:8y:38:ILE:CD1	2:8y:114:ARG:CZ	2.68	0.71
2:9L:126:LYS:HD3	2:9L:126:LYS:C	2.16	0.71
2:2u:242:LEU:HD12	2:3v:235:PRO:C	2.12	0.71
2:3x:38:ILE:CD1	2:3x:114:ARG:CZ	2.68	0.71
2:5m:279:ILE:HA	2:6w:248:GLY:C	2.13	0.71
2:6v:118:ILE:HD12	2:6v:118:ILE:N	2.05	0.71
2:7t:19:LEU:HD12	2:7t:41:TYR:CD2	2.20	0.71
2:9M:225:MET:CG	2:9J:212:GLY:O	2.38	0.71
1:7C:448:ALA:N	2:7a:41:TYR:HE1	1.82	0.71
1:8A:444:GLY:CA	2:8e:56:ASN:CG	2.62	0.71
1:8B:448:ALA:CB	2:8f:41:TYR:CD2	2.73	0.71
1:1J:448:ALA:O	2:1l:41:TYR:CD1	2.43	0.71
1:4H:203:PRO:O	1:4H:204:THR:CB	2.38	0.71
1:2M:407:ASN:HB2	2:2k:45:LYS:HG3	1.71	0.71
1:6R:447:GLN:HA	2:6m:56:ASN:HB2	0.88	0.71
1:7K:444:GLY:N	2:7n:45:LYS:NZ	2.38	0.71
1:3V:443:SER:HG	2:3s:56:ASN:HD22	1.33	0.71
1:9D:446:ALA:HB1	2:9I:41:TYR:CG	2.24	0.71
1:2Y:447:GLN:NE2	2:2x:44:VAL:HG11	2.06	0.71
1:4Z:203:PRO:HA	1:4Z:212:GLU:CG	2.21	0.71
2:2Z:236:ALA:CA	2:1l:242:LEU:CD1	2.69	0.71
2:2a:226:ILE:HG22	2:3f:222:LEU:HD13	1.72	0.71
2:2b:163:THR:H	2:2b:166:ASN:HD22	1.38	0.71
2:3e:179:ASN:HD22	2:3e:192:ASN:HD22	1.37	0.71
2:3g:243:GLY:O	2:2x:245:VAL:N	2.24	0.71
2:3h:245:VAL:O	2:2w:241:THR:N	2.24	0.71
2:5e:270:ILE:HD13	2:6g:251:VAL:CG2	2.20	0.71
2:5e:277:GLY:O	2:6g:247:LYS:CG	2.33	0.71
2:6f:163:THR:H	2:6f:166:ASN:HD22	1.39	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:241:THR:N	2:9F:246:LYS:CE	2.54	0.71
2:8h:124:ASP:O	2:7i:119:SER:HA	1.90	0.71
2:2e:163:THR:H	2:2e:166:ASN:HD22	1.38	0.71
2:2g:234:LEU:CD2	2:3i:243:GLY:HA2	2.18	0.71
2:2i:263:VAL:HG21	2:1o:256:ALA:HB3	1.72	0.71
2:3i:119:SER:HB3	2:4g:126:LYS:HG3	1.73	0.71
2:3j:118:ILE:HD12	2:3j:118:ILE:N	2.05	0.71
2:4h:247:LYS:CD	2:3p:238:THR:C	2.64	0.71
2:6i:247:LYS:HB2	2:8o:237:ALA:HB3	1.72	0.71
2:6k:163:THR:H	2:6k:166:ASN:HD22	1.39	0.71
2:6l:163:THR:H	2:6l:166:ASN:HD22	1.39	0.71
2:7h:272:VAL:HG12	2:8p:279:ILE:HG22	1.70	0.71
2:8k:200:LEU:C	2:9G:193:LYS:HD3	2.12	0.71
2:8k:232:TYR:OH	2:9G:234:LEU:N	2.23	0.71
2:1p:126:LYS:HD3	2:1p:126:LYS:C	2.16	0.71
2:2j:236:ALA:CA	2:1t:242:LEU:CD1	2.69	0.71
2:2j:244:GLY:CA	2:1t:243:GLY:N	2.48	0.71
2:5i:226:ILE:HD11	2:7j:226:ILE:HD11	1.73	0.71
2:6m:254:SER:O	2:8u:263:VAL:HG13	1.87	0.71
2:6p:38:ILE:CD1	2:6p:114:ARG:CZ	2.68	0.71
2:7m:234:LEU:HB2	2:8v:232:TYR:OH	1.90	0.71
2:8t:179:ASN:HD22	2:8t:192:ASN:HD22	1.37	0.71
2:8t:242:LEU:HD22	2:7s:244:GLY:O	1.89	0.71
2:1q:235:PRO:C	2:2o:242:LEU:CD1	2.63	0.71
2:1r:126:LYS:HD3	2:1r:126:LYS:C	2.16	0.71
2:1r:225:MET:SD	2:2p:209:LEU:CD1	2.77	0.71
2:1t:179:ASN:HD22	2:1t:192:ASN:HD22	1.37	0.71
2:2o:236:ALA:CA	2:1x:242:LEU:CD1	2.69	0.71
2:2q:247:LYS:N	2:3q:238:THR:O	2.22	0.71
2:2s:209:LEU:HD21	2:3w:209:LEU:HD21	1.71	0.71
2:2s:210:LEU:HA	2:3w:206:VAL:HG11	1.72	0.71
2:3q:126:LYS:HD3	2:3q:126:LYS:C	2.16	0.71
2:6r:239:THR:CG2	2:5n:247:LYS:HB3	2.19	0.71
2:6s:226:ILE:HG21	2:7o:222:LEU:CB	2.19	0.71
2:6s:242:LEU:HB3	2:7o:234:LEU:HG	1.72	0.71
2:8w:154:ALA:CB	2:9I:158[B]:ILE:HD13	2.20	0.71
2:8w:274:LYS:NZ	2:9I:251:VAL:CA	2.53	0.71
2:8z:126:LYS:HD3	2:8z:126:LYS:C	2.16	0.71
2:1x:163:THR:H	2:1x:166:ASN:HD22	1.39	0.71
2:4m:118:ILE:N	2:4m:118:ILE:HD12	2.05	0.71
2:5m:270:ILE:HD13	2:6w:251:VAL:CG2	2.20	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6u:269:LEU:HD22	2:9Q:269:LEU:CD2	2.13	0.71
2:7w:163:THR:H	2:7w:166:ASN:HD22	1.38	0.71
2:9M:241:THR:N	2:9J:246:LYS:CE	2.54	0.71
2:9N:38:ILE:CD1	2:9N:114:ARG:CZ	2.68	0.71
1:2I:443:SER:C	2:2e:45:LYS:HZ1	1.89	0.71
1:4H:314:ASN:OD1	1:4H:314:ASN:C	2.33	0.71
1:7F:445:GLY:HA3	2:7i:53:THR:OG1	1.91	0.71
1:6M:200:ILE:HG12	1:6M:201:ASP:O	1.91	0.71
1:8X:447:GLN:CG	2:8y:42:VAL:HG13	2.20	0.71
1:4c:201:ASP:OD2	1:4c:343:SER:CB	2.39	0.71
2:1e:28:ILE:CB	2:1l:73:VAL:CG1	2.68	0.71
2:1h:73:VAL:CG1	2:1u:28:ILE:CB	2.68	0.71
2:3g:234:LEU:HD11	2:2x:234:LEU:CD1	2.20	0.71
2:3h:175:PHE:CZ	2:2w:175:PHE:HE1	2.08	0.71
2:6e:179:ASN:HD22	2:6e:192:ASN:HD22	1.37	0.71
2:6f:38:ILE:CD1	2:6f:114:ARG:CZ	2.68	0.71
2:6g:126:LYS:HD3	2:6g:126:LYS:C	2.16	0.71
2:6h:163:THR:H	2:6h:166:ASN:HD22	1.39	0.71
2:8e:279:ILE:HG21	2:9F:273:LEU:HD23	1.66	0.71
2:8e:281:LEU:CA	2:9F:250:ALA:HA	2.20	0.71
2:8j:126:LYS:HD3	2:8j:126:LYS:C	2.16	0.71
2:9F:228:ALA:HB2	2:9O:228:ALA:HB3	1.71	0.71
2:2f:242:LEU:HA	2:3j:244:GLY:CA	2.20	0.71
2:2i:196:LEU:HB3	2:3o:200:LEU:HD22	1.72	0.71
2:5g:118:ILE:HD12	2:5g:118:ILE:N	2.05	0.71
2:6i:163:THR:H	2:6i:166:ASN:HD22	1.39	0.71
2:6j:163:THR:H	2:6j:166:ASN:HD22	1.39	0.71
2:6k:173:LEU:HB3	2:7e:157:LEU:HD12	1.72	0.71
2:8k:126:LYS:HD3	2:8k:126:LYS:C	2.16	0.71
2:8m:179:ASN:HD22	2:8m:192:ASN:HD22	1.37	0.71
2:1o:226:ILE:C	2:3o:219:LYS:HE3	2.14	0.71
2:1p:179:ASN:HD22	2:1p:192:ASN:HD22	1.37	0.71
2:2k:199:LEU:HD13	2:3n:183:PHE:CD1	2.26	0.71
2:3p:179:ASN:HD22	2:3p:192:ASN:HD22	1.37	0.71
2:7m:158[B]:ILE:HG23	2:8v:149[B]:ILE:HG23	1.73	0.71
2:7n:57:MET:HE2	2:8r:111:VAL:HG22	1.72	0.71
2:8q:163:THR:H	2:8q:166:ASN:HD22	1.39	0.71
2:8q:274:LYS:NZ	2:9H:251:VAL:CA	2.53	0.71
2:8s:163:THR:H	2:8s:166:ASN:HD22	1.39	0.71
2:8s:174:LEU:CD1	2:9I:174:LEU:HD22	2.19	0.71
2:6q:257:THR:C	2:9K:259:VAL:HB	1.95	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:173:LEU:HB3	2:7o:157:LEU:HD12	1.72	0.71
2:7r:248:GLY:C	2:9L:279:ILE:HA	2.16	0.71
2:8w:241:THR:N	2:9I:246:LYS:CE	2.54	0.71
2:8w:266:LEU:HD11	2:9I:266:LEU:O	1.91	0.71
2:9I:19:LEU:HD12	2:9I:41:TYR:CD2	2.20	0.71
2:1u:38:ILE:CD1	2:1u:114:ARG:CZ	2.68	0.71
2:1u:163:THR:H	2:1u:166:ASN:HD22	1.39	0.71
2:1u:197:GLN:HG3	2:2t:200:LEU:O	1.91	0.71
2:2t:179:ASN:HD22	2:2t:192:ASN:HD22	1.36	0.71
2:2u:163:THR:H	2:2u:166:ASN:HD22	1.38	0.71
2:2u:179:ASN:HD22	2:2u:192:ASN:HD22	1.36	0.71
2:2v:247:LYS:N	2:3u:239:THR:N	2.35	0.71
2:3x:118:ILE:HD12	2:3x:118:ILE:N	2.05	0.71
2:5m:226:ILE:HD11	2:7t:226:ILE:HD11	1.73	0.71
2:6w:126:LYS:HD3	2:6w:126:LYS:C	2.16	0.71
2:9M:232:TYR:OH	2:9J:234:LEU:N	2.24	0.71
2:9M:237:ALA:CB	2:9J:246:LYS:HA	2.13	0.71
1:5F:420:ILE:HG12	1:5F:427:LYS:O	1.90	0.71
1:8K:447:GLN:HB2	2:8n:56:ASN:O	1.90	0.71
1:8L:443:SER:N	2:8m:45:LYS:HZ1	1.85	0.71
1:1M:445:GLY:CA	2:1m:44:VAL:HB	2.21	0.71
1:7K:448:ALA:N	2:7n:41:TYR:CE1	2.57	0.71
1:1W:207:THR:HG1	1:1X:355:SER:HG	0.78	0.71
1:2R:392:THR:HG23	2:2p:46:ASP:CG	2.16	0.71
1:5X:448:ALA:HA	2:5l:41:TYR:HD1	1.56	0.71
1:8X:208:GLY:O	1:8X:212:GLU:CG	2.33	0.71
1:9D:446:ALA:C	2:9I:55:VAL:HA	2.10	0.71
1:2U:444:GLY:HA3	2:2w:45:LYS:HE3	1.70	0.71
1:4c:448:ALA:C	2:4m:41:TYR:CD2	2.69	0.71
2:1g:279:ILE:CA	2:3g:248:GLY:CA	2.60	0.71
2:1h:126:LYS:HD3	2:1h:126:LYS:C	2.16	0.71
2:5e:118:ILE:HD12	2:5e:118:ILE:N	2.05	0.71
2:5e:279:ILE:CA	2:6g:248:GLY:O	2.39	0.71
2:6e:163:THR:H	2:6e:166:ASN:HD22	1.39	0.71
2:6g:179:ASN:HD22	2:6g:192:ASN:HD22	1.37	0.71
2:7b:163:THR:H	2:7b:166:ASN:HD22	1.38	0.71
2:8h:163:THR:H	2:8h:166:ASN:HD22	1.39	0.71
2:1i:245:VAL:N	2:2e:242:LEU:HA	2.04	0.71
2:1k:245:VAL:CG1	2:3k:245:VAL:HG21	2.21	0.71
2:2e:219:LYS:HG2	2:1p:226:ILE:HA	1.73	0.71
2:2i:210:LEU:HA	2:3o:206:VAL:HG11	1.72	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:269:LEU:CD2	2:3o:270:ILE:HG13	2.14	0.71
2:4g:38:ILE:CD1	2:4g:114:ARG:CZ	2.68	0.71
2:6i:255:THR:CA	2:8o:263:VAL:CG1	2.67	0.71
2:6l:38:ILE:CD1	2:6l:114:ARG:CZ	2.68	0.71
2:8k:266:LEU:HD11	2:9G:266:LEU:O	1.91	0.71
2:8k:278:ILE:HG22	2:9G:278:ILE:HD13	0.74	0.71
2:8k:279:ILE:HG21	2:9G:272:VAL:HG12	1.73	0.71
2:8l:98:ALA:CA	2:8l:110:LEU:CB	2.54	0.71
2:8n:126:LYS:HD3	2:8n:126:LYS:C	2.16	0.71
2:1m:235:PRO:C	2:2j:242:LEU:CD1	2.63	0.71
2:2k:179:ASN:HD22	2:2k:192:ASN:HD22	1.36	0.71
2:2k:242:LEU:C	2:3n:244:GLY:HA3	2.14	0.71
2:2l:223:ARG:HD3	2:3m:228:ALA:HA	1.60	0.71
2:2n:197:GLN:NE2	2:3s:201:VAL:HG22	2.05	0.71
2:2n:210:LEU:HA	2:3s:206:VAL:HG11	1.73	0.71
2:5i:38:ILE:CD1	2:5i:114:ARG:CZ	2.68	0.71
2:6m:257:THR:N	2:8u:259:VAL:HG11	2.02	0.71
2:6n:242:LEU:O	2:5l:234:LEU:CD2	2.38	0.71
2:7j:163:THR:H	2:7j:166:ASN:HD22	1.38	0.71
2:1s:184:LEU:HD21	2:3s:184:LEU:HD21	1.73	0.71
2:2r:226:ILE:C	2:3x:223:ARG:H	1.98	0.71
2:3s:163:THR:H	2:3s:166:ASN:HD22	1.39	0.71
2:3t:118:ILE:HD12	2:3t:118:ILE:N	2.05	0.71
2:4k:38:ILE:CD1	2:4k:114:ARG:CZ	2.68	0.71
2:4l:163:THR:H	2:4l:166:ASN:HD22	1.39	0.71
2:5l:126:LYS:HD3	2:5l:126:LYS:C	2.16	0.71
2:6r:126:LYS:HG2	2:5n:119:SER:HB3	1.71	0.71
2:6s:200:LEU:CD1	2:7o:200:LEU:HD11	2.20	0.71
2:8w:201:VAL:HG22	2:9I:197:GLN:HE22	1.49	0.71
2:8w:279:ILE:HG21	2:9I:272:VAL:HG12	1.73	0.71
2:2v:269:LEU:HD22	2:3u:270:ILE:HG12	1.71	0.71
2:2w:163:THR:H	2:2w:166:ASN:HD22	1.38	0.71
2:3u:126:LYS:HD3	2:3u:126:LYS:C	2.16	0.71
2:3u:179:ASN:HD22	2:3u:192:ASN:HD22	1.37	0.71
2:3u:219:LYS:HG2	2:4m:226:ILE:HA	1.71	0.71
2:3w:126:LYS:HD3	2:3w:126:LYS:C	2.16	0.71
2:3x:179:ASN:HD22	2:3x:192:ASN:HD22	1.37	0.71
2:4n:163:THR:H	2:4n:166:ASN:HD22	1.39	0.71
2:6u:163:THR:H	2:6u:166:ASN:HD22	1.39	0.71
2:6w:225:MET:CG	2:7t:214:PRO:CD	2.69	0.71
2:7w:184:LEU:CD2	2:9R:184:LEU:HD21	2.21	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:163:THR:H	2:9M:166:ASN:HD22	1.39	0.71
2:9M:274:LYS:NZ	2:9J:251:VAL:CA	2.53	0.71
2:9M:279:ILE:HG21	2:9J:272:VAL:HG12	1.73	0.71
1:1D:228:GLN:OE1	1:1D:228:GLN:N	2.20	0.71
1:8F:443:SER:HA	2:8g:45:LYS:HZ1	0.88	0.71
1:7M:392:THR:CB	2:7k:14:MET:CE	2.67	0.71
1:5W:203:PRO:O	1:5W:212:GLU:OE1	2.09	0.71
1:6T:393:GLY:CA	2:6s:107:LEU:CD1	2.69	0.71
1:7Q:405:SER:O	2:7q:44:VAL:O	2.09	0.71
2:1f:126:LYS:HD3	2:1f:126:LYS:C	2.16	0.71
2:1g:148[B]:ILE:HD13	2:3g:148[B]:ILE:CD1	2.20	0.71
2:1g:237:ALA:CB	2:3g:246:LYS:CA	2.62	0.71
2:1h:242:LEU:CD1	2:2t:236:ALA:CA	2.69	0.71
2:2a:199:LEU:HD13	2:3f:183:PHE:CD1	2.26	0.71
2:2b:200:LEU:HD11	2:3e:200:LEU:CD1	2.20	0.71
2:3h:238:THR:C	2:4n:247:LYS:CD	2.64	0.71
2:5f:247:LYS:O	2:6v:239:THR:HA	1.91	0.71
2:6f:232:TYR:CD2	2:7f:232:TYR:CE1	2.78	0.71
2:7c:273:LEU:HD11	2:8j:273:LEU:HD11	1.71	0.71
2:7d:247:LYS:HB3	2:9P:239:THR:CB	2.20	0.71
2:8e:280:SER:O	2:9F:250:ALA:HA	1.90	0.71
2:2g:269:LEU:HD22	2:3i:270:ILE:HG12	1.71	0.71
2:2i:232:TYR:CD2	2:3o:232:TYR:CG	2.79	0.71
2:2i:267:ASN:OD1	2:1o:254:SER:N	2.17	0.71
2:3j:38:ILE:CD1	2:3j:114:ARG:CZ	2.68	0.71
2:4h:126:LYS:HD3	2:4h:126:LYS:C	2.16	0.71
2:5g:270:ILE:HD13	2:6k:251:VAL:CG2	2.20	0.71
2:5h:163:THR:H	2:5h:166:ASN:HD22	1.39	0.71
2:6j:239:THR:CG2	2:5j:247:LYS:HB3	2.19	0.71
2:6k:226:ILE:HA	2:7e:219:LYS:HA	1.71	0.71
2:1m:234:LEU:HD21	2:2j:242:LEU:HB3	1.73	0.71
2:2l:209:LEU:HD21	2:3m:209:LEU:HD22	1.71	0.71
2:2m:202:SER:N	2:3t:197:GLN:NE2	2.38	0.71
2:2m:203:ASN:HD22	2:3t:212:GLY:N	1.87	0.71
2:3m:232:TYR:CD2	2:4i:232:TYR:CE1	2.79	0.71
2:5i:163:THR:H	2:5i:166:ASN:HD22	1.39	0.71
2:5i:179:ASN:HD22	2:5i:192:ASN:HD22	1.37	0.71
2:6m:163:THR:H	2:6m:166:ASN:HD22	1.39	0.71
2:8q:225:MET:CG	2:9H:212:GLY:O	2.38	0.71
2:8r:118:ILE:HD12	2:8r:118:ILE:N	2.05	0.71
2:1s:273:LEU:HD22	2:3s:273:LEU:HD21	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2r:241:THR:N	2:3x:245:VAL:O	2.23	0.71
2:5k:179:ASN:HD22	2:5k:192:ASN:HD22	1.37	0.71
2:6s:179:ASN:HD22	2:6s:192:ASN:HD22	1.37	0.71
2:8y:163:THR:H	2:8y:166:ASN:HD22	1.39	0.71
2:1w:237:ALA:CB	2:3w:246:LYS:C	2.64	0.71
2:6u:179:ASN:HD22	2:6u:192:ASN:HD22	1.37	0.71
2:7x:19:LEU:HD12	2:7x:41:TYR:CD2	2.20	0.71
2:9M:232:TYR:CB	2:9J:232:TYR:HB2	2.21	0.71
1:4B:203:PRO:HA	1:4B:212:GLU:CG	2.21	0.70
1:4B:203:PRO:O	1:4B:204:THR:CB	2.38	0.70
1:2J:406:GLY:O	2:2i:45:LYS:HE2	1.91	0.70
1:5K:203:PRO:O	1:5K:212:GLU:OE1	2.09	0.70
1:5W:28:GLN:OE1	1:5W:28:GLN:N	2.18	0.70
1:6W:443:SER:O	2:6r:45:LYS:CE	2.39	0.70
1:3a:408:GLU:CG	1:3a:437:ILE:CD1	2.68	0.70
2:1g:245:VAL:CG1	2:3g:245:VAL:HG21	2.21	0.70
2:1g:273:LEU:CD1	2:3g:269:LEU:CD1	2.40	0.70
2:1g:280:SER:N	2:3g:248:GLY:C	2.49	0.70
2:1h:223:ARG:CD	2:1u:226:ILE:O	2.39	0.70
2:2b:210:LEU:HA	2:3e:206:VAL:CG1	2.11	0.70
2:2c:19:LEU:HD12	2:2c:41:TYR:CD2	2.20	0.70
2:2c:163:THR:H	2:2c:166:ASN:HD22	1.38	0.70
2:3h:197:GLN:NE2	2:2w:202:SER:N	2.38	0.70
2:4f:163:THR:H	2:4f:166:ASN:HD22	1.39	0.70
2:5e:97:TYR:O	2:5e:110:LEU:CB	2.22	0.70
2:6g:225:MET:CG	2:7Z:214:PRO:CD	2.69	0.70
2:7b:259:VAL:HG11	2:9Q:257:THR:HA	1.73	0.70
2:7c:184:LEU:CD2	2:8j:184:LEU:HD21	2.21	0.70
2:7c:266:LEU:CA	2:8j:266:LEU:CD1	2.61	0.70
2:8f:259:VAL:CG1	2:9P:257:THR:HA	2.21	0.70
2:9F:206:VAL:CG2	2:9O:209:LEU:HG	2.20	0.70
2:1j:247:LYS:N	2:3j:239:THR:HA	2.06	0.70
2:6j:38:ILE:CD1	2:6j:114:ARG:CZ	2.68	0.70
2:6k:242:LEU:HB3	2:7e:234:LEU:HG	1.72	0.70
2:7g:163:THR:H	2:7g:166:ASN:HD22	1.38	0.70
2:8k:270:ILE:CB	2:9G:269:LEU:CD1	2.67	0.70
2:8l:118:ILE:HD12	2:8l:118:ILE:N	2.05	0.70
2:8o:163:THR:H	2:8o:166:ASN:HD22	1.39	0.70
2:1m:212:GLY:HA2	2:2j:203:ASN:HD22	1.54	0.70
2:1o:184:LEU:HD21	2:3o:184:LEU:HD21	1.73	0.70
2:2l:200:LEU:HD11	2:3m:200:LEU:CD1	2.20	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:120:ILE:HD13	2:1s:120:ILE:HD12	1.60	0.70
2:2n:232:TYR:CD2	2:3s:232:TYR:CG	2.79	0.70
2:3m:119:SER:HB3	2:4i:126:LYS:HG3	1.73	0.70
2:4i:118:ILE:HD12	2:4i:118:ILE:N	2.05	0.70
2:4j:163:THR:H	2:4j:166:ASN:HD22	1.39	0.70
2:5j:163:THR:H	2:5j:166:ASN:HD22	1.39	0.70
2:6n:163:THR:H	2:6n:166:ASN:HD22	1.39	0.70
2:8s:219:LYS:CG	2:9I:225:MET:O	2.29	0.70
2:2q:200:LEU:HD11	2:3q:200:LEU:CD1	2.20	0.70
2:2q:269:LEU:HD22	2:3q:270:ILE:HG12	1.71	0.70
2:2s:219:LYS:HG2	2:3w:226:ILE:CA	2.11	0.70
2:3q:163:THR:H	2:3q:166:ASN:HD22	1.39	0.70
2:6r:238:THR:O	2:5n:246:LYS:CA	2.39	0.70
2:6r:242:LEU:CD1	2:5n:236:ALA:CA	2.69	0.70
2:7r:158[B]:ILE:HG23	2:9L:149[B]:ILE:HG23	1.73	0.70
2:8x:98:ALA:CA	2:8x:110:LEU:CB	2.54	0.70
2:8y:259:VAL:CG1	2:9M:257:THR:O	2.22	0.70
2:1v:126:LYS:HD3	2:1v:126:LYS:C	2.16	0.70
2:2u:242:LEU:HA	2:3v:244:GLY:CA	2.21	0.70
2:3u:163:THR:H	2:3u:166:ASN:HD22	1.39	0.70
2:3w:163:THR:H	2:3w:166:ASN:HD22	1.39	0.70
2:6v:38:ILE:CD1	2:6v:114:ARG:CZ	2.68	0.70
2:7w:158[B]:ILE:HG23	2:9R:149[B]:ILE:HG23	1.73	0.70
2:9P:126:LYS:HD3	2:9P:126:LYS:C	2.16	0.70
1:1G:312:VAL:O	1:1G:312:VAL:HG13	1.91	0.70
1:6G:200:ILE:HG12	1:6G:201:ASP:O	1.91	0.70
1:5R:420:ILE:HG12	1:5R:427:LYS:O	1.90	0.70
1:2R:405:SER:O	2:2p:44:VAL:O	2.08	0.70
1:7P:25:ARG:NH2	2:6s:53:THR:HA	2.05	0.70
1:5c:448:ALA:O	2:5m:63:TRP:NE1	2.24	0.70
2:1e:226:ILE:O	2:1l:223:ARG:CD	2.39	0.70
2:2Z:210:LEU:HD23	2:1l:206:VAL:HG11	1.72	0.70
2:2a:179:ASN:HD22	2:2a:192:ASN:HD22	1.36	0.70
2:2b:209:LEU:HD21	2:3e:209:LEU:CD2	2.20	0.70
2:2c:241:THR:N	2:3l:245:VAL:O	2.24	0.70
2:2d:148[B]:ILE:HD12	2:1k:148[B]:ILE:CD1	2.21	0.70
2:3g:163:THR:H	2:3g:166:ASN:HD22	1.39	0.70
2:3g:227:GLY:N	2:2x:219:LYS:HE3	2.06	0.70
2:5f:163:THR:H	2:5f:166:ASN:HD22	1.39	0.70
2:6f:179:ASN:HD22	2:6f:192:ASN:HD22	1.37	0.70
2:6g:242:LEU:HB3	2:7Z:234:LEU:HG	1.72	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7a:227:GLY:O	2:6v:230:VAL:HG12	1.91	0.70
2:1i:28:ILE:CB	2:1p:73:VAL:CG1	2.68	0.70
2:1j:126:LYS:HD3	2:1j:126:LYS:C	2.16	0.70
2:2f:225:MET:O	2:3j:219:LYS:CG	2.30	0.70
2:4g:179:ASN:HD22	2:4g:192:ASN:HD22	1.37	0.70
2:5h:126:LYS:HD3	2:5h:126:LYS:C	2.16	0.70
2:6k:200:LEU:HD23	2:7e:196:LEU:HB3	1.73	0.70
2:7h:278:ILE:HD13	2:8p:278:ILE:HG22	1.64	0.70
2:8k:163:THR:H	2:8k:166:ASN:HD22	1.39	0.70
2:8k:176:SER:N	2:9G:167:LYS:HD3	2.06	0.70
2:8k:179:ASN:HD22	2:8k:192:ASN:HD22	1.37	0.70
2:8k:280:SER:O	2:9G:250:ALA:HA	1.90	0.70
2:1m:111:VAL:HG22	2:2j:57:MET:CE	2.20	0.70
2:2k:226:ILE:HG22	2:3n:222:LEU:CG	2.21	0.70
2:2l:242:LEU:CD2	2:4i:244:GLY:C	2.64	0.70
2:2m:201:VAL:HA	2:3t:197:GLN:CG	2.22	0.70
2:2n:245:VAL:N	2:3s:243:GLY:O	2.24	0.70
2:4j:247:LYS:CD	2:3t:238:THR:C	2.64	0.70
2:6n:230:VAL:HG12	2:7p:227:GLY:O	1.91	0.70
2:6o:200:LEU:CD1	2:7j:200:LEU:HD11	2.20	0.70
2:8t:163:THR:H	2:8t:166:ASN:HD22	1.39	0.70
2:1q:38:ILE:CD1	2:1q:114:ARG:CZ	2.68	0.70
2:1s:163:THR:H	2:1s:166:ASN:HD22	1.39	0.70
2:3q:232:TYR:CD2	2:4k:232:TYR:CE1	2.79	0.70
2:3t:179:ASN:HD22	2:3t:192:ASN:HD22	1.37	0.70
2:5k:259:VAL:CG1	2:6s:258:ASP:N	2.44	0.70
2:5k:277:GLY:O	2:6s:247:LYS:CG	2.33	0.70
2:6r:242:LEU:HD11	2:5n:236:ALA:HA	1.72	0.70
2:6s:225:MET:CG	2:7o:214:PRO:CG	2.65	0.70
2:6t:38:ILE:CD1	2:6t:114:ARG:CZ	2.68	0.70
2:8w:279:ILE:C	2:9I:248:GLY:N	2.39	0.70
2:8x:118:ILE:HD12	2:8x:118:ILE:N	2.05	0.70
2:8z:242:LEU:CD2	2:7x:244:GLY:O	2.37	0.70
2:1u:212:GLY:HA2	2:2t:203:ASN:HD22	1.54	0.70
2:6w:226:ILE:HA	2:7t:219:LYS:HA	1.71	0.70
2:7x:57:MET:HE2	2:9N:111:VAL:HG22	1.72	0.70
2:9M:200:LEU:CD2	2:9J:196:LEU:HB2	2.17	0.70
1:4B:314:ASN:OD1	1:4B:314:ASN:C	2.33	0.70
1:6A:447:GLN:CD	2:6h:56:ASN:CB	2.64	0.70
1:8A:444:GLY:O	2:8e:54:GLN:CB	2.39	0.70
1:8A:448:ALA:HB2	2:8e:41:TYR:HE1	1.56	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8L:445:GLY:O	2:8m:44:VAL:HB	1.91	0.70
1:3O:443:SER:CA	2:3p:45:LYS:HZ1	2.00	0.70
1:4W:446:ALA:O	2:4k:55:VAL:HA	1.91	0.70
1:6U:90:GLN:OE1	1:6U:90:GLN:N	2.24	0.70
1:4Z:314:ASN:OD1	1:4Z:314:ASN:C	2.33	0.70
2:1e:235:PRO:C	2:2Z:242:LEU:CD1	2.63	0.70
2:1f:247:LYS:N	2:3f:239:THR:HA	2.06	0.70
2:1g:270:ILE:CG2	2:3g:251:VAL:HG21	2.13	0.70
2:1h:232:TYR:OH	2:2t:232:TYR:HE2	1.73	0.70
2:2a:174:LEU:HD22	2:3f:174:LEU:CD1	2.22	0.70
2:2b:219:LYS:O	2:3e:226:ILE:O	2.10	0.70
2:2d:219:LYS:HE3	2:3k:227:GLY:N	2.06	0.70
2:2d:273:LEU:CD2	2:3k:279:ILE:HG23	2.22	0.70
2:3e:163:THR:H	2:3e:166:ASN:HD22	1.39	0.70
2:3h:223:ARG:CG	2:2w:226:ILE:O	2.34	0.70
2:5f:234:LEU:CD2	2:6v:242:LEU:O	2.38	0.70
2:6e:251:VAL:HG12	2:8i:279:ILE:HD12	1.73	0.70
2:6f:118:ILE:HD12	2:6f:118:ILE:N	2.05	0.70
2:6g:163:THR:H	2:6g:166:ASN:HD22	1.39	0.70
2:7c:163:THR:H	2:7c:166:ASN:HD22	1.38	0.70
2:8e:229:GLY:HA3	2:9F:231:PRO:HD3	1.32	0.70
2:8h:239:THR:CB	2:7i:247:LYS:HB3	2.19	0.70
2:1i:235:PRO:C	2:2e:242:LEU:CD1	2.63	0.70
2:1j:242:LEU:CD2	2:2f:244:GLY:O	2.39	0.70
2:2f:226:ILE:CB	2:3j:222:LEU:CB	2.68	0.70
2:2g:209:LEU:HD21	2:3i:209:LEU:CD2	2.20	0.70
2:2g:232:TYR:HE2	2:3i:232:TYR:OH	1.75	0.70
2:2h:201:VAL:HA	2:3p:197:GLN:CG	2.21	0.70
2:2i:163:THR:H	2:2i:166:ASN:HD22	1.38	0.70
2:3i:126:LYS:HD3	2:3i:126:LYS:C	2.16	0.70
2:6k:240:THR:CA	2:7e:246:LYS:HD3	2.16	0.70
2:8m:228:ALA:HB3	2:9H:228:ALA:HB2	1.71	0.70
2:1n:126:LYS:HD3	2:1n:126:LYS:C	2.16	0.70
2:1n:226:ILE:CD1	2:3n:226:ILE:HD13	2.21	0.70
2:2k:242:LEU:HD21	2:3n:236:ALA:HA	1.70	0.70
2:2l:163:THR:H	2:2l:166:ASN:HD22	1.39	0.70
2:2l:247:LYS:N	2:3m:238:THR:O	2.23	0.70
2:2n:196:LEU:HB3	2:3s:200:LEU:HD22	1.73	0.70
2:4i:38:ILE:CD1	2:4i:114:ARG:CZ	2.68	0.70
2:6m:126:LYS:HD3	2:6m:126:LYS:C	2.16	0.70
2:6o:126:LYS:HD3	2:6o:126:LYS:C	2.16	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:132:GLY:C	2:9H:136:LEU:HD12	2.16	0.70
2:8q:241:THR:N	2:9H:246:LYS:CE	2.54	0.70
2:8q:278:ILE:HG22	2:9H:278:ILE:HD13	0.74	0.70
2:8v:126:LYS:HD3	2:8v:126:LYS:C	2.16	0.70
2:1r:242:LEU:HB3	2:2p:244:GLY:HA3	1.73	0.70
2:2q:163:THR:H	2:2q:166:ASN:HD22	1.38	0.70
2:2q:223:ARG:NH1	2:3q:227:GLY:C	2.50	0.70
2:2s:263:VAL:HG21	2:1w:256:ALA:HB3	1.72	0.70
2:3q:232:TYR:CE2	2:4k:232:TYR:CE2	2.80	0.70
2:3s:179:ASN:HD22	2:3s:192:ASN:HD22	1.37	0.70
2:6r:242:LEU:HD23	2:5n:244:GLY:C	2.14	0.70
2:6r:242:LEU:C	2:5n:234:LEU:HD21	2.17	0.70
2:6s:126:LYS:HD3	2:6s:126:LYS:C	2.16	0.70
2:6s:200:LEU:HD23	2:7o:196:LEU:HB3	1.73	0.70
2:7p:19:LEU:HD12	2:7p:41:TYR:CD2	2.20	0.70
2:7r:163:THR:H	2:7r:166:ASN:HD22	1.38	0.70
2:7r:184:LEU:CD2	2:9L:184:LEU:HD21	2.21	0.70
2:8w:163:THR:H	2:8w:166:ASN:HD22	1.39	0.70
2:9K:257:THR:HA	2:7v:259:VAL:HG11	1.73	0.70
2:1u:235:PRO:C	2:2t:242:LEU:CD1	2.63	0.70
2:2u:226:ILE:HG22	2:3v:222:LEU:CG	2.21	0.70
2:2v:200:LEU:HD11	2:3u:200:LEU:CD1	2.20	0.70
2:3u:236:ALA:N	2:4m:242:LEU:HD13	2.06	0.70
2:3v:38:ILE:CD1	2:3v:114:ARG:CZ	2.68	0.70
2:6u:256:ALA:N	2:9Q:263:VAL:CG1	2.55	0.70
2:6w:200:LEU:CD1	2:7t:200:LEU:HD11	2.20	0.70
2:9M:201:VAL:HG22	2:9J:197:GLN:HE22	1.49	0.70
2:9J:163:THR:H	2:9J:166:ASN:HD22	1.38	0.70
1:7E:448:ALA:HB3	2:7c:60:LEU:CD1	1.98	0.70
1:3I:202:GLU:HB2	1:3I:343:SER:HB3	1.72	0.70
1:4K:444:GLY:O	2:4g:53:THR:OG1	2.09	0.70
1:7J:448:ALA:CB	2:7h:60:LEU:CD1	2.69	0.70
1:3U:408:GLU:CG	1:3U:437:ILE:CD1	2.68	0.70
1:7T:228:GLN:OE1	1:7T:228:GLN:N	2.23	0.70
1:9D:392:THR:CA	2:9I:46:ASP:OD2	2.39	0.70
1:2W:397:THR:HA	2:2u:107:LEU:HB2	1.71	0.70
1:8d:443:SER:CB	2:9O:45:LYS:NZ	2.54	0.70
2:1e:197:GLN:HG3	2:2Z:200:LEU:O	1.91	0.70
2:1e:234:LEU:HD21	2:2Z:242:LEU:HB3	1.73	0.70
2:2a:19:LEU:HD12	2:2a:41:TYR:CD2	2.20	0.70
2:2a:226:ILE:HG22	2:3f:222:LEU:CG	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:232:TYR:HE2	2:3e:232:TYR:OH	1.75	0.70
2:3e:119:SER:HB3	2:4e:126:LYS:HG3	1.73	0.70
2:5e:111:VAL:CG1	2:7Z:57:MET:HE1	2.21	0.70
2:5f:246:LYS:CA	2:6v:238:THR:O	2.39	0.70
2:6f:242:LEU:CD1	2:5h:236:ALA:CA	2.69	0.70
2:6g:173:LEU:HB3	2:7Z:157:LEU:HD12	1.72	0.70
2:1k:174:LEU:O	2:3k:167:LYS:HB3	1.92	0.70
2:2i:120:ILE:HD13	2:1o:120:ILE:HD12	1.60	0.70
2:3i:179:ASN:HD22	2:3i:192:ASN:HD22	1.37	0.70
2:6i:257:THR:N	2:8o:259:VAL:HG11	2.02	0.70
2:6j:230:VAL:HG12	2:7k:227:GLY:O	1.91	0.70
2:6k:200:LEU:CD1	2:7e:200:LEU:HD11	2.20	0.70
2:6l:263:VAL:HG22	2:8p:256:ALA:HB3	1.71	0.70
2:7h:19:LEU:HD12	2:7h:41:TYR:CD2	2.20	0.70
2:8n:114:ARG:HB2	2:7n:114:ARG:HD2	1.74	0.70
2:1p:163:THR:H	2:1p:166:ASN:HD22	1.39	0.70
2:2k:163:THR:H	2:2k:166:ASN:HD22	1.38	0.70
2:2k:174:LEU:HD22	2:3n:174:LEU:CD1	2.22	0.70
2:2l:222:LEU:HB2	2:3m:226:ILE:CG2	2.22	0.70
2:3o:163:THR:H	2:3o:166:ASN:HD22	1.39	0.70
2:5i:259:VAL:CG2	2:6o:258:ASP:HA	2.20	0.70
2:5i:269:LEU:HG	2:6o:269:LEU:CD2	2.19	0.70
2:6n:232:TYR:CD2	2:7p:232:TYR:CE1	2.79	0.70
2:6n:239:THR:HA	2:5l:247:LYS:O	1.91	0.70
2:6n:242:LEU:CD1	2:5l:236:ALA:CA	2.69	0.70
2:7m:248:GLY:C	2:8v:279:ILE:HA	2.16	0.70
2:8q:176:SER:N	2:9H:167:LYS:HD3	2.06	0.70
2:8s:234:LEU:HD22	2:9I:242:LEU:O	1.86	0.70
2:1r:242:LEU:CD2	2:2p:244:GLY:O	2.39	0.70
2:1s:269:LEU:HG	2:3s:269:LEU:HD21	0.75	0.70
2:1t:163:THR:H	2:1t:166:ASN:HD22	1.39	0.70
2:2o:219:LYS:HG2	2:1x:226:ILE:HA	1.73	0.70
2:2o:232:TYR:CE2	2:1x:232:TYR:OH	2.44	0.70
2:2p:19:LEU:HD12	2:2p:41:TYR:CD2	2.20	0.70
2:3s:126:LYS:HD3	2:3s:126:LYS:C	2.16	0.70
2:3t:38:ILE:CD1	2:3t:114:ARG:CZ	2.68	0.70
2:3t:163:THR:H	2:3t:166:ASN:HD22	1.39	0.70
2:4l:126:LYS:HD3	2:4l:126:LYS:C	2.16	0.70
2:6r:230:VAL:HG12	2:7u:227:GLY:O	1.91	0.70
2:7r:234:LEU:HB2	2:9L:232:TYR:OH	1.90	0.70
2:7s:19:LEU:HD12	2:7s:41:TYR:CD2	2.20	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:179:ASN:HD22	2:8w:192:ASN:HD22	1.37	0.70
2:1v:242:LEU:HB3	2:2u:244:GLY:HA3	1.73	0.70
2:1w:163:THR:H	2:1w:166:ASN:HD22	1.39	0.70
2:2u:225:MET:HG3	2:3v:214:PRO:HG3	1.73	0.70
2:2x:163:THR:H	2:2x:166:ASN:HD22	1.38	0.70
2:3u:232:TYR:CE2	2:4m:232:TYR:CE2	2.80	0.70
2:3v:163:THR:H	2:3v:166:ASN:HD22	1.39	0.70
2:5m:277:GLY:O	2:6w:247:LYS:CG	2.33	0.70
2:6x:251:VAL:O	2:7w:274:LYS:NZ	2.24	0.70
2:9R:126:LYS:HD3	2:9R:126:LYS:C	2.16	0.70
1:6C:90:GLN:N	1:6C:90:GLN:OE1	2.24	0.70
1:7C:447:GLN:C	2:7a:41:TYR:CD1	2.66	0.70
1:4H:203:PRO:HA	1:4H:212:GLU:CG	2.21	0.70
1:4R:443:SER:N	2:4j:56:ASN:HD21	1.88	0.70
1:4W:201:ASP:OD2	1:4W:343:SER:CB	2.39	0.70
1:6T:407:ASN:HB2	2:6s:44:VAL:O	1.90	0.70
1:8V:448:ALA:HB2	2:9K:41:TYR:HD2	1.40	0.70
1:3a:444:GLY:O	2:3x:45:LYS:CD	2.38	0.70
1:7V:397:THR:HA	2:7v:107:LEU:HB2	1.74	0.70
1:9E:403:SER:CB	2:9J:16:TYR:HH	2.05	0.70
2:2b:246:LYS:C	2:3e:238:THR:O	2.34	0.70
2:3g:200:LEU:HD22	2:2x:196:LEU:HB3	1.73	0.70
2:5f:234:LEU:HD21	2:6v:242:LEU:C	2.17	0.70
2:6e:256:ALA:N	2:8i:263:VAL:CG1	2.54	0.70
2:6f:242:LEU:HD11	2:5h:236:ALA:HA	1.72	0.70
2:6f:242:LEU:O	2:5h:234:LEU:CD2	2.38	0.70
2:8e:163:THR:H	2:8e:166:ASN:HD22	1.39	0.70
2:8e:270:ILE:CB	2:9F:269:LEU:CD1	2.67	0.70
2:8g:163:THR:H	2:8g:166:ASN:HD22	1.39	0.70
2:8h:179:ASN:HD22	2:8h:192:ASN:HD22	1.37	0.70
2:8h:257:THR:HA	2:8l:259:VAL:CG1	2.21	0.70
2:1k:266:LEU:HD11	2:3k:266:LEU:CA	1.99	0.70
2:2e:232:TYR:HE2	2:1p:232:TYR:OH	1.73	0.70
2:3i:232:TYR:CE2	2:4g:232:TYR:CE2	2.80	0.70
2:8m:235:PRO:C	2:9H:242:LEU:HD12	2.07	0.70
2:8n:163:THR:H	2:8n:166:ASN:HD22	1.39	0.70
2:1m:41:TYR:OH	2:1t:97:TYR:OH	1.98	0.70
2:1m:61:ALA:HB1	2:2j:57:MET:HE3	1.74	0.70
2:1m:226:ILE:O	2:1t:223:ARG:CD	2.39	0.70
2:1n:247:LYS:N	2:3n:239:THR:HA	2.05	0.70
2:2n:234:LEU:CD1	2:3s:234:LEU:HD11	2.20	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:38:ILE:CD1	2:6n:114:ARG:CZ	2.68	0.70
2:6n:179:ASN:HD22	2:6n:192:ASN:HD22	1.37	0.70
2:6n:200:LEU:CD1	2:7p:200:LEU:HD13	2.21	0.70
2:8q:266:LEU:HD11	2:9H:266:LEU:O	1.91	0.70
2:5k:279:ILE:CA	2:6s:248:GLY:O	2.39	0.70
2:5l:242:LEU:CD2	2:7p:244:GLY:C	2.60	0.70
2:6q:163:THR:H	2:6q:166:ASN:HD22	1.39	0.70
2:7s:57:MET:HE2	2:8x:111:VAL:HG22	1.72	0.70
2:8w:232:TYR:CB	2:9I:232:TYR:HB2	2.21	0.70
2:8w:232:TYR:OH	2:9I:234:LEU:N	2.24	0.70
2:1w:148[B]:ILE:HD13	2:3w:148[B]:ILE:CD1	2.20	0.70
2:1w:184:LEU:HD21	2:3w:184:LEU:HD21	1.73	0.70
2:3x:163:THR:H	2:3x:166:ASN:HD22	1.39	0.70
2:5m:279:ILE:CA	2:6w:248:GLY:O	2.39	0.70
2:5n:163:THR:H	2:5n:166:ASN:HD22	1.39	0.70
2:6u:158[A]:ILE:HG12	2:9Q:158[A]:ILE:HD11	1.74	0.70
2:6u:162:THR:OG1	2:9Q:173:LEU:O	2.08	0.70
2:6w:163:THR:H	2:6w:166:ASN:HD22	1.39	0.70
2:9M:270:ILE:CB	2:9J:269:LEU:CD1	2.67	0.70
2:9O:163:THR:H	2:9O:166:ASN:HD22	1.39	0.70
1:6A:200:ILE:HG12	1:6A:201:ASP:O	1.91	0.70
1:7C:444:GLY:HA3	2:7a:45:LYS:HE3	1.71	0.70
1:8F:448:ALA:HB3	2:8g:57:MET:HE2	1.72	0.70
1:6K:445:GLY:CA	2:6j:44:VAL:HB	2.19	0.70
1:7G:444:GLY:CA	2:7g:45:LYS:HE3	2.20	0.70
1:1M:448:ALA:HB3	2:1m:63:TRP:NE1	2.06	0.70
1:4N:203:PRO:HA	1:4N:212:GLU:CG	2.21	0.70
1:5R:419:ASP:HB3	1:5R:425:LYS:NZ	2.07	0.70
1:1V:445:GLY:O	2:1t:44:VAL:HG22	1.91	0.70
1:5X:419:ASP:HB3	1:5X:425:LYS:NZ	2.07	0.70
1:6T:393:GLY:CA	2:6s:107:LEU:HD12	2.21	0.70
1:7T:25:ARG:CZ	2:5l:51:ASP:OD1	2.40	0.70
1:8V:448:ALA:HB3	2:9K:41:TYR:CE2	2.26	0.70
2:1h:150:GLU:OE1	2:2t:141:PRO:HB2	1.92	0.70
2:2Z:244:GLY:CA	2:1l:243:GLY:N	2.48	0.70
2:3e:232:TYR:CE2	2:4e:232:TYR:CE2	2.80	0.70
2:3g:279:ILE:HG23	2:2x:273:LEU:CD2	2.22	0.70
2:3h:38:ILE:CD1	2:3h:114:ARG:CZ	2.68	0.70
2:8e:266:LEU:HD11	2:9F:266:LEU:O	1.91	0.70
2:8g:209:LEU:HG	2:9G:206:VAL:CG2	2.20	0.70
2:1l:126:LYS:HD3	2:1l:126:LYS:C	2.16	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2f:199:LEU:HD13	2:3j:183:PHE:CD1	2.26	0.70
2:2g:19:LEU:HD12	2:2g:41:TYR:CD2	2.20	0.70
2:2g:183:PHE:CZ	2:3i:196:LEU:HD22	2.27	0.70
2:2g:219:LYS:O	2:3i:226:ILE:O	2.10	0.70
2:5g:163:THR:H	2:5g:166:ASN:HD22	1.39	0.70
2:6i:126:LYS:HD3	2:6i:126:LYS:C	2.16	0.70
2:7h:158[B]:ILE:HG23	2:8p:149[B]:ILE:HG23	1.73	0.70
2:8n:238:THR:C	2:7n:247:LYS:HB2	2.16	0.70
2:1n:242:LEU:CD2	2:2k:244:GLY:O	2.39	0.70
2:1o:148[B]:ILE:HD13	2:3o:148[B]:ILE:CD1	2.20	0.70
2:1o:269:LEU:HG	2:3o:269:LEU:HD21	0.75	0.70
2:1o:279:ILE:CB	2:3o:249:ALA:O	2.34	0.70
2:2k:226:ILE:CB	2:3n:222:LEU:CB	2.68	0.70
2:2m:226:ILE:C	2:3t:223:ARG:H	1.98	0.70
2:2n:232:TYR:CE2	2:3s:232:TYR:CZ	2.79	0.70
2:3m:236:ALA:N	2:4i:242:LEU:HD13	2.06	0.70
2:4i:163:THR:H	2:4i:166:ASN:HD22	1.39	0.70
2:5i:279:ILE:CA	2:6o:248:GLY:O	2.39	0.70
2:6o:242:LEU:HB3	2:7j:234:LEU:HG	1.72	0.70
2:8t:238:THR:C	2:7s:247:LYS:HB2	2.16	0.70
2:1s:279:ILE:CB	2:3s:249:ALA:O	2.34	0.70
2:1t:126:LYS:HD3	2:1t:126:LYS:C	2.16	0.70
2:2q:232:TYR:HE2	2:3q:232:TYR:OH	1.75	0.70
2:6r:239:THR:HA	2:5n:247:LYS:O	1.91	0.70
2:6t:251:VAL:O	2:7r:274:LYS:NZ	2.25	0.70
2:8w:200:LEU:CD2	2:9I:196:LEU:HB2	2.17	0.70
2:1u:223:ARG:CZ	2:2t:227:GLY:HA3	2.15	0.70
2:1v:247:LYS:N	2:3v:239:THR:HA	2.06	0.70
2:1w:174:LEU:O	2:3w:167:LYS:HB3	1.91	0.70
2:2u:174:LEU:HD22	2:3v:174:LEU:CD1	2.22	0.70
2:6v:163:THR:H	2:6v:166:ASN:HD22	1.39	0.70
2:7w:273:LEU:HD11	2:9R:273:LEU:HD11	1.71	0.70
2:9M:206:VAL:HG11	2:9J:210:LEU:C	2.17	0.70
2:9O:98:ALA:CA	2:9O:110:LEU:CB	2.54	0.70
1:2E:406:GLY:O	2:2d:45:LYS:HE2	1.91	0.70
1:4E:201:ASP:OD2	1:4E:343:SER:CB	2.39	0.70
1:6E:445:GLY:HA3	2:6f:44:VAL:HB	1.73	0.70
1:6I:90:GLN:N	1:6I:90:GLN:OE1	2.24	0.70
1:2M:392:THR:HG23	2:2k:46:ASP:CG	2.17	0.70
1:4M:200:ILE:HD12	1:4M:213:PHE:CD1	2.27	0.70
1:8M:447:GLN:CG	2:8q:44:VAL:HG11	2.20	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1S:444:GLY:O	2:1q:45:LYS:HD2	1.91	0.70
1:5d:423:GLU:O	1:5d:424:ASP:C	2.35	0.70
1:7W:446:ALA:HB1	2:7u:41:TYR:HE2	0.95	0.70
2:1e:245:VAL:H	2:2Z:242:LEU:HA	1.57	0.70
2:2a:226:ILE:C	2:3f:223:ARG:CG	2.55	0.70
2:2b:222:LEU:HB2	2:3e:226:ILE:CG2	2.22	0.70
2:2d:245:VAL:N	2:3k:243:GLY:O	2.24	0.70
2:5e:226:ILE:HD11	2:7Z:226:ILE:HD11	1.73	0.70
2:5f:126:LYS:HD3	2:5f:126:LYS:C	2.16	0.70
2:6f:200:LEU:CD1	2:7f:200:LEU:HD13	2.21	0.70
2:6g:239:THR:CA	2:7Z:247:LYS:N	2.40	0.70
2:8e:176:SER:N	2:9F:167:LYS:HD3	2.06	0.70
2:1i:61:ALA:HB1	2:2e:57:MET:HE3	1.74	0.70
2:1i:197:GLN:HG3	2:2e:200:LEU:O	1.91	0.70
2:1k:269:LEU:HG	2:3k:269:LEU:HD21	0.75	0.70
2:2e:232:TYR:CE2	2:1p:232:TYR:OH	2.44	0.70
2:2i:266:LEU:CD1	2:3o:266:LEU:CD1	2.69	0.70
2:3i:232:TYR:CD2	2:4g:232:TYR:CE1	2.79	0.70
2:4h:163:THR:H	2:4h:166:ASN:HD22	1.39	0.70
2:6k:225:MET:CG	2:7e:214:PRO:CD	2.69	0.70
2:8k:132:GLY:C	2:9G:136:LEU:HD12	2.16	0.70
2:8k:241:THR:N	2:9G:246:LYS:CE	2.54	0.70
2:8p:126:LYS:HD3	2:8p:126:LYS:C	2.16	0.70
2:1m:242:LEU:HD23	2:1t:245:VAL:CA	2.21	0.70
2:2j:197:GLN:NE2	2:1t:201:VAL:HA	2.06	0.70
2:2l:223:ARG:NH1	2:3m:227:GLY:C	2.50	0.70
2:2l:246:LYS:C	2:3m:238:THR:O	2.34	0.70
2:2n:219:LYS:HE3	2:3s:227:GLY:N	2.06	0.70
2:2n:232:TYR:HD2	2:3s:232:TYR:CD1	2.09	0.70
2:2n:263:VAL:HG21	2:1s:256:ALA:HB3	1.72	0.70
2:3m:126:LYS:HD3	2:3m:126:LYS:C	2.16	0.70
2:5i:269:LEU:CD2	2:6o:269:LEU:HD23	2.16	0.70
2:5j:126:LYS:HD3	2:5j:126:LYS:C	2.16	0.70
2:6n:98:ALA:CA	2:6n:110:LEU:CB	2.54	0.70
2:2o:141:PRO:HB2	2:1x:150:GLU:OE1	1.92	0.70
2:2o:210:LEU:HD23	2:1x:206:VAL:HG11	1.72	0.70
2:2o:223:ARG:NH1	2:1x:227:GLY:HA3	2.07	0.70
2:2r:19:LEU:HD12	2:2r:41:TYR:CD2	2.20	0.70
2:6q:162:THR:OG1	2:9K:173:LEU:O	2.08	0.70
2:2v:183:PHE:CZ	2:3u:196:LEU:HD22	2.27	0.70
2:7w:248:GLY:C	2:9R:279:ILE:HA	2.16	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:279:ILE:HB	2:9J:248:GLY:HA3	1.73	0.70
2:9O:110:LEU:HD13	2:9O:110:LEU:N	2.07	0.70
2:9Q:110:LEU:HD13	2:9Q:110:LEU:N	2.07	0.70
1:1A:245:GLU:OE1	1:1A:245:GLU:N	2.23	0.70
1:3C:408:GLU:CG	1:3C:437:ILE:CD1	2.68	0.70
1:7A:393:GLY:HA3	2:7d:15:ALA:HB3	1.74	0.70
1:2M:28:GLN:NE2	2:4j:27:ILE:CD1	2.54	0.70
1:6N:393:GLY:HA2	2:6o:107:LEU:HD12	1.73	0.70
1:7L:446:ALA:HA	2:7l:43:ALA:HA	1.72	0.70
1:7U:395:ALA:HB3	2:7x:107:LEU:HG	1.74	0.70
1:8a:445:GLY:HA3	2:9R:47:VAL:CG2	2.21	0.70
2:1f:225:MET:SD	2:2a:209:LEU:CD1	2.77	0.70
2:1h:163:THR:H	2:1h:166:ASN:HD22	1.39	0.70
2:1h:245:VAL:CA	2:1u:242:LEU:HD23	2.21	0.70
2:2b:183:PHE:CZ	2:3e:196:LEU:HD22	2.27	0.70
2:2b:223:ARG:NH1	2:3e:227:GLY:C	2.50	0.70
2:2d:209:LEU:HD21	2:3k:209:LEU:HD21	1.71	0.70
2:2d:232:TYR:HD2	2:3k:232:TYR:CD1	2.09	0.70
2:7a:232:TYR:CE1	2:6v:232:TYR:CD2	2.79	0.70
2:7c:179:ASN:HD22	2:7c:192:ASN:HD22	1.36	0.70
2:8h:126:LYS:HD3	2:8h:126:LYS:C	2.16	0.70
2:8i:110:LEU:HD13	2:8i:110:LEU:N	2.07	0.70
2:1j:163:THR:H	2:1j:166:ASN:HD22	1.39	0.70
2:2f:226:ILE:HG22	2:3j:222:LEU:CG	2.21	0.70
2:2g:222:LEU:HB2	2:3i:226:ILE:CG2	2.22	0.70
2:3k:163:THR:H	2:3k:166:ASN:HD22	1.39	0.70
2:5g:111:VAL:CG1	2:7e:57:MET:HE1	2.21	0.70
2:5g:226:ILE:HD11	2:7e:226:ILE:HD11	1.73	0.70
2:6j:238:THR:O	2:5j:246:LYS:CA	2.39	0.70
2:6j:242:LEU:HD23	2:5j:244:GLY:C	2.14	0.70
2:6k:126:LYS:HD3	2:6k:126:LYS:C	2.16	0.70
2:6l:251:VAL:O	2:7h:274:LYS:NZ	2.24	0.70
2:7f:163:THR:H	2:7f:166:ASN:HD22	1.38	0.70
2:7h:184:LEU:CD2	2:8p:184:LEU:HD21	2.21	0.70
2:1o:110:LEU:HD13	2:1o:110:LEU:N	2.07	0.70
2:2j:212:GLY:HA3	2:1t:203:ASN:ND2	2.05	0.70
2:2j:219:LYS:HG2	2:1t:226:ILE:HA	1.73	0.70
2:2j:219:LYS:HB3	2:1t:226:ILE:O	1.92	0.70
2:2j:223:ARG:NH1	2:1t:227:GLY:HA3	2.07	0.70
2:5i:120:ILE:HD12	2:6o:120:ILE:CD1	2.22	0.70
2:6m:120:ILE:CD1	2:8u:120:ILE:HD12	2.22	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:266:LEU:CD2	2:3s:266:LEU:H	1.75	0.70
2:2s:219:LYS:HE3	2:3w:227:GLY:N	2.06	0.70
2:2s:232:TYR:HD2	2:3w:232:TYR:CD1	2.09	0.70
2:5k:111:VAL:CG1	2:7o:57:MET:HE1	2.21	0.70
2:5l:163:THR:H	2:5l:166:ASN:HD22	1.39	0.70
2:6s:239:THR:C	2:7o:246:LYS:CB	2.62	0.70
2:8w:281:LEU:CA	2:9I:250:ALA:HA	2.20	0.70
2:9I:163:THR:H	2:9I:166:ASN:HD22	1.38	0.70
2:3u:119:SER:HB3	2:4m:126:LYS:HG3	1.73	0.70
2:3u:232:TYR:CD2	2:4m:232:TYR:CE1	2.79	0.70
2:6v:110:LEU:HD13	2:6v:110:LEU:N	2.07	0.70
2:6x:163:THR:H	2:6x:166:ASN:HD22	1.39	0.70
2:7w:262:ALA:CB	2:9R:263:VAL:HG22	2.22	0.70
1:8I:445:GLY:HA2	2:8p:45:LYS:CG	2.20	0.70
1:4S:200:ILE:HD12	1:4S:213:PHE:CD1	2.27	0.70
1:5c:203:PRO:O	1:5c:212:GLU:OE1	2.09	0.70
1:7V:447:GLN:O	2:7v:41:TYR:CG	2.39	0.70
2:1e:111:VAL:HG22	2:2Z:57:MET:CE	2.20	0.70
2:2b:247:LYS:N	2:3e:239:THR:N	2.35	0.70
2:3e:236:ALA:N	2:4e:242:LEU:HD13	2.06	0.70
2:3g:126:LYS:HD3	2:3g:126:LYS:C	2.16	0.70
2:3h:223:ARG:CB	2:2w:226:ILE:O	2.40	0.70
2:4e:97:TYR:O	2:4e:110:LEU:CB	2.22	0.70
2:6e:257:THR:N	2:8i:259:VAL:HG12	2.02	0.70
2:6f:230:VAL:HG12	2:7f:227:GLY:O	1.91	0.70
2:6h:251:VAL:O	2:7c:274:LYS:NZ	2.24	0.70
2:7c:246:LYS:CA	2:8j:237:ALA:HB1	2.22	0.70
2:8e:126:LYS:HD3	2:8e:126:LYS:C	2.16	0.70
2:8e:132:GLY:C	2:9F:136:LEU:HD12	2.16	0.70
2:8f:163:THR:H	2:8f:166:ASN:HD22	1.39	0.70
2:8i:59:PRO:HG2	2:7g:59:PRO:HG3	1.74	0.70
2:1j:226:ILE:CD1	2:3j:226:ILE:HD13	2.21	0.70
2:1k:245:VAL:HG11	2:3k:245:VAL:HG23	1.70	0.70
2:2f:226:ILE:HG22	2:3j:222:LEU:HD13	1.72	0.70
2:2g:223:ARG:NH1	2:3i:227:GLY:C	2.50	0.70
2:2h:206:VAL:CG2	2:3p:209:LEU:C	2.63	0.70
2:2h:226:ILE:O	2:3p:223:ARG:CB	2.40	0.70
2:3j:110:LEU:HD13	2:3j:110:LEU:N	2.07	0.70
2:5g:120:ILE:HD12	2:6k:120:ILE:CD1	2.22	0.70
2:7g:19:LEU:HD12	2:7g:41:TYR:CD2	2.20	0.70
2:7h:231:PRO:CG	2:8p:229:GLY:CA	2.70	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:174:LEU:HD22	2:9G:170:LEU:CB	2.19	0.70
2:8k:279:ILE:HB	2:9G:248:GLY:HA3	1.73	0.70
2:2j:210:LEU:HD23	2:1t:206:VAL:HG13	1.74	0.70
2:4j:126:LYS:HD3	2:4j:126:LYS:C	2.16	0.70
2:6m:251:VAL:HG13	2:8u:279:ILE:HD11	1.63	0.70
2:7l:19:LEU:HD12	2:7l:41:TYR:CD2	2.20	0.70
2:7m:259:VAL:H	2:8v:259:VAL:HG21	1.54	0.70
2:1r:226:ILE:HG22	2:2p:222:LEU:HD13	1.74	0.70
2:2p:174:LEU:HD22	2:3r:174:LEU:CD1	2.22	0.70
2:2r:201:VAL:HA	2:3x:197:GLN:CG	2.21	0.70
2:2s:245:VAL:N	2:3w:243:GLY:O	2.24	0.70
2:2s:273:LEU:CD2	2:3w:279:ILE:HG23	2.21	0.70
2:3r:163:THR:H	2:3r:166:ASN:HD22	1.39	0.70
2:5k:120:ILE:HD12	2:6s:120:ILE:CD1	2.22	0.70
2:7r:251:VAL:CG2	2:9L:270:ILE:CG2	2.68	0.70
2:8w:176:SER:N	2:9I:167:LYS:HD3	2.06	0.70
2:8x:110:LEU:HD13	2:8x:110:LEU:N	2.07	0.70
2:8z:238:THR:C	2:7x:247:LYS:HB2	2.16	0.70
2:1w:266:LEU:CD2	2:3w:266:LEU:H	1.75	0.70
2:2u:226:ILE:HG22	2:3v:222:LEU:HD13	1.72	0.70
2:2u:239:THR:H	2:3v:247:LYS:HB3	1.43	0.70
2:4m:163:THR:H	2:4m:166:ASN:HD22	1.39	0.70
2:6u:120:ILE:CD1	2:9Q:120:ILE:HD12	2.22	0.70
2:7w:254:SER:N	2:9R:267:ASN:CG	2.45	0.70
1:6A:447:GLN:HA	2:6h:56:ASN:HB2	1.73	0.70
1:6A:448:ALA:HB2	2:6h:41:TYR:HD2	1.55	0.70
1:5K:445:GLY:O	2:5g:44:VAL:N	2.20	0.70
1:5L:446:ALA:CB	2:5h:56:ASN:ND2	2.55	0.70
1:1M:447:GLN:HG3	2:1m:44:VAL:CG2	2.22	0.70
1:6N:443:SER:CA	2:6o:56:ASN:HD21	1.99	0.70
1:1Y:245:GLU:OE1	1:1Y:245:GLU:N	2.23	0.70
1:2W:28:GLN:HE22	2:4n:27:ILE:CD1	2.05	0.70
2:1f:226:ILE:CD1	2:3f:226:ILE:HD13	2.21	0.70
2:1g:237:ALA:CB	2:3g:246:LYS:C	2.64	0.70
2:1h:239:THR:O	2:2t:246:LYS:CD	2.40	0.70
2:2b:209:LEU:HD21	2:3e:209:LEU:HD22	1.71	0.70
2:2b:234:LEU:CD2	2:3e:243:GLY:HA2	2.18	0.70
2:2d:232:TYR:CD2	2:3k:232:TYR:CG	2.79	0.70
2:3g:226:ILE:HA	2:2x:219:LYS:CG	2.12	0.70
2:6h:110:LEU:HD13	2:6h:110:LEU:N	2.07	0.70
2:7c:265:ASP:HB2	2:8j:266:LEU:CD2	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:278:ILE:HG22	2:9F:278:ILE:HD13	0.74	0.70
2:8e:279:ILE:HG21	2:9F:272:VAL:HG12	1.73	0.70
2:2f:174:LEU:HD22	2:3j:174:LEU:CD1	2.22	0.70
2:2f:243:GLY:H	2:3j:244:GLY:HA2	1.57	0.70
2:2h:226:ILE:O	2:3p:223:ARG:CG	2.35	0.70
2:3i:236:ALA:N	2:4g:242:LEU:HD13	2.06	0.70
2:3k:126:LYS:HD3	2:3k:126:LYS:C	2.16	0.70
2:6k:226:ILE:HG21	2:7e:222:LEU:HD13	1.70	0.70
2:8l:163:THR:H	2:8l:166:ASN:HD22	1.39	0.70
2:1o:174:LEU:O	2:3o:167:LYS:HB3	1.91	0.70
2:3m:232:TYR:CE2	2:4i:232:TYR:CE2	2.80	0.70
2:4i:110:LEU:HD13	2:4i:110:LEU:N	2.07	0.70
2:4i:179:ASN:HD22	2:4i:192:ASN:HD22	1.37	0.70
2:6m:158[A]:ILE:HG12	2:8u:158[A]:ILE:HD11	1.74	0.70
2:6p:110:LEU:HD13	2:6p:110:LEU:N	2.07	0.70
2:6p:163:THR:H	2:6p:166:ASN:HD22	1.39	0.70
2:8t:114:ARG:HB2	2:7s:114:ARG:HD2	1.74	0.70
2:1q:234:LEU:HD21	2:2o:242:LEU:HB3	1.73	0.70
2:1r:247:LYS:N	2:3r:239:THR:HA	2.06	0.70
2:2q:246:LYS:C	2:3q:238:THR:O	2.34	0.70
2:2s:232:TYR:CD2	2:3w:232:TYR:CG	2.79	0.70
2:2s:266:LEU:N	2:3w:266:LEU:HD21	2.07	0.70
2:3q:236:ALA:N	2:4k:242:LEU:HD13	2.06	0.70
2:5k:278:ILE:CG2	2:6s:278:ILE:CD1	2.67	0.70
2:6s:225:MET:CG	2:7o:214:PRO:CD	2.69	0.70
2:7q:163:THR:H	2:7q:166:ASN:HD22	1.38	0.70
2:7r:259:VAL:H	2:9L:259:VAL:HG21	1.54	0.70
2:8y:98:ALA:CA	2:8y:110:LEU:CB	2.54	0.70
2:1w:245:VAL:HG11	2:3w:245:VAL:HG23	1.70	0.70
2:2v:246:LYS:C	2:3u:238:THR:O	2.34	0.70
2:4n:126:LYS:HD3	2:4n:126:LYS:C	2.16	0.70
2:5m:279:ILE:HD11	2:6w:251:VAL:HG13	1.68	0.70
2:9M:266:LEU:HD11	2:9J:266:LEU:O	1.91	0.70
2:9M:281:LEU:CA	2:9J:250:ALA:HA	2.20	0.70
1:5E:203:PRO:O	1:5E:212:GLU:OE1	2.09	0.69
1:8A:447:GLN:HG2	2:8e:44:VAL:CG1	2.22	0.69
1:1K:212:GLU:HG3	1:1L:372:TYR:OH	1.92	0.69
1:5L:423:GLU:O	1:5L:424:ASP:C	2.35	0.69
1:8J:392:THR:HG23	2:8o:107:LEU:HG	1.74	0.69
1:4N:314:ASN:OD1	1:4N:314:ASN:C	2.33	0.69
1:6N:444:GLY:C	2:6o:44:VAL:HG21	2.17	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1U:444:GLY:CA	2:1s:45:LYS:CD	2.55	0.69
1:6X:444:GLY:O	2:6q:44:VAL:HG21	1.92	0.69
1:8b:445:GLY:O	2:9Q:44:VAL:N	2.24	0.69
2:1g:184:LEU:HD21	2:3g:184:LEU:HD21	1.73	0.69
2:2a:243:GLY:N	2:3f:244:GLY:HA2	2.07	0.69
2:2b:200:LEU:HD11	2:3e:200:LEU:HD13	1.72	0.69
2:2d:127:ASP:OD1	2:1k:122:VAL:N	2.22	0.69
2:2d:210:LEU:HA	2:3k:206:VAL:HG11	1.72	0.69
2:3e:126:LYS:HD3	2:3e:126:LYS:C	2.16	0.69
2:3g:232:TYR:CD1	2:2x:232:TYR:HD2	2.09	0.69
2:3h:61:ALA:HB1	2:2w:57:MET:HE3	1.74	0.69
2:3h:209:LEU:C	2:2w:206:VAL:CG2	2.63	0.69
2:3h:223:ARG:H	2:2w:226:ILE:C	1.98	0.69
2:5e:120:ILE:HD12	2:6g:120:ILE:CD1	2.22	0.69
2:6e:120:ILE:CD1	2:8i:120:ILE:HD12	2.22	0.69
2:6f:110:LEU:N	2:6f:110:LEU:HD13	2.07	0.69
2:6f:238:THR:O	2:5h:246:LYS:CA	2.40	0.69
2:6f:242:LEU:C	2:5h:234:LEU:HD21	2.17	0.69
2:6g:200:LEU:HD23	2:7Z:196:LEU:HB3	1.73	0.69
2:7c:251:VAL:CG2	2:8j:270:ILE:CG2	2.68	0.69
2:8e:279:ILE:HA	2:9F:248:GLY:H	1.33	0.69
2:8h:238:THR:C	2:7i:247:LYS:HB2	2.16	0.69
2:1i:38:ILE:HD13	2:1i:114:ARG:CZ	2.22	0.69
2:1i:245:VAL:H	2:2e:242:LEU:HA	1.57	0.69
2:1j:225:MET:SD	2:2f:209:LEU:CD1	2.77	0.69
2:1l:163:THR:H	2:1l:166:ASN:HD22	1.39	0.69
2:2f:179:ASN:HD22	2:2f:192:ASN:HD22	1.36	0.69
2:2g:239:THR:HA	2:4g:247:LYS:O	1.93	0.69
2:4g:110:LEU:HD13	2:4g:110:LEU:N	2.07	0.69
2:5g:269:LEU:CD2	2:6k:269:LEU:HD23	2.16	0.69
2:6j:239:THR:HA	2:5j:247:LYS:O	1.91	0.69
2:7h:246:LYS:CA	2:8p:237:ALA:HB1	2.22	0.69
2:7h:262:ALA:CB	2:8p:263:VAL:HG22	2.22	0.69
2:7i:57:MET:HE2	2:8l:111:VAL:HG22	1.72	0.69
2:8o:257:THR:HA	2:7l:259:VAL:HG11	1.73	0.69
2:2j:246:LYS:CD	2:1t:239:THR:O	2.40	0.69
2:2l:232:TYR:HE2	2:3m:232:TYR:OH	1.75	0.69
2:6n:244:GLY:C	2:7p:242:LEU:HD22	2.17	0.69
2:6o:225:MET:CG	2:7j:214:PRO:CD	2.69	0.69
2:8q:126:LYS:HD3	2:8q:126:LYS:C	2.16	0.69
2:8t:126:LYS:HD3	2:8t:126:LYS:C	2.16	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:280:SER:N	2:3s:248:GLY:C	2.49	0.69
2:2p:163:THR:H	2:2p:166:ASN:HD22	1.38	0.69
2:6r:163:THR:H	2:6r:166:ASN:HD22	1.39	0.69
2:6s:196:LEU:HD22	2:7o:183:PHE:CZ	2.24	0.69
2:9K:59:PRO:HG2	2:7v:59:PRO:HG3	1.74	0.69
2:1v:242:LEU:CD2	2:2u:244:GLY:O	2.39	0.69
2:1x:179:ASN:HD22	2:1x:192:ASN:HD22	1.37	0.69
2:2x:19:LEU:HD12	2:2x:41:TYR:CD2	2.20	0.69
2:4m:38:ILE:HD13	2:4m:114:ARG:CZ	2.23	0.69
2:5m:38:ILE:HD13	2:5m:114:ARG:CZ	2.22	0.69
2:5n:126:LYS:HD3	2:5n:126:LYS:C	2.16	0.69
2:6x:110:LEU:HD13	2:6x:110:LEU:N	2.07	0.69
2:7w:179:ASN:HD22	2:7w:192:ASN:HD22	1.37	0.69
2:9M:132:GLY:C	2:9J:136:LEU:HD12	2.16	0.69
2:9M:174:LEU:HD22	2:9J:170:LEU:CB	2.19	0.69
2:9M:176:SER:N	2:9J:167:LYS:HD3	2.06	0.69
2:9M:278:ILE:HG23	2:9J:278:ILE:CG2	2.06	0.69
2:9R:163:THR:H	2:9R:166:ASN:HD22	1.39	0.69
1:2A:447:GLN:HG2	2:2c:56:ASN:HB2	1.73	0.69
1:1G:245:GLU:N	1:1G:245:GLU:OE1	2.23	0.69
1:6O:90:GLN:N	1:6O:90:GLN:OE1	2.24	0.69
1:1Y:312:VAL:O	1:1Y:312:VAL:HG13	1.91	0.69
1:4Y:200:ILE:HD12	1:4Y:213:PHE:CD1	2.27	0.69
2:1e:61:ALA:HB1	2:2Z:57:MET:HE3	1.74	0.69
2:1g:256:ALA:HB3	2:2x:263:VAL:CG2	2.22	0.69
2:1h:206:VAL:HG11	2:2t:210:LEU:HD23	1.72	0.69
2:1h:227:GLY:HA3	2:2t:223:ARG:NH1	2.07	0.69
2:2Z:197:GLN:NE2	2:1l:201:VAL:HA	2.06	0.69
2:2Z:223:ARG:NH1	2:1l:227:GLY:HA3	2.07	0.69
2:2a:225:MET:HG3	2:3f:214:PRO:HG3	1.73	0.69
2:2c:201:VAL:HA	2:3l:197:GLN:CG	2.22	0.69
2:2d:263:VAL:CG2	2:1k:256:ALA:HB3	2.22	0.69
2:3f:110:LEU:HD13	2:3f:110:LEU:N	2.07	0.69
2:3h:197:GLN:CG	2:2w:201:VAL:HA	2.22	0.69
2:3h:210:LEU:O	2:2w:203:ASN:HB2	1.91	0.69
2:6e:126:LYS:HD3	2:6e:126:LYS:C	2.16	0.69
2:6e:158[A]:ILE:HG12	2:8i:158[A]:ILE:HD11	1.74	0.69
2:6f:239:THR:HA	2:5h:247:LYS:O	1.91	0.69
2:6g:200:LEU:CD1	2:7Z:200:LEU:HD11	2.20	0.69
2:7c:145:ARG:HG2	2:8j:148[A]:ILE:CG2	2.23	0.69
2:8e:232:TYR:OH	2:9F:234:LEU:N	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8h:242:LEU:CD2	2:7i:244:GLY:HA3	2.16	0.69
2:8i:257:THR:HA	2:7g:259:VAL:HG11	1.73	0.69
2:1i:110:LEU:HD13	2:1i:110:LEU:N	2.07	0.69
2:1i:212:GLY:HA2	2:2e:203:ASN:HD22	1.54	0.69
2:2g:242:LEU:HB3	2:4g:244:GLY:HA3	1.75	0.69
2:6j:110:LEU:HD13	2:6j:110:LEU:N	2.07	0.69
2:7h:254:SER:CB	2:8p:267:ASN:OD1	2.40	0.69
2:8k:175:PHE:HZ	2:9G:175:PHE:HE2	1.36	0.69
2:8k:232:TYR:HD1	2:9G:232:TYR:O	1.64	0.69
2:2k:238:THR:O	2:3n:246:LYS:CA	2.40	0.69
2:2k:243:GLY:H	2:3n:244:GLY:HA2	1.57	0.69
2:3o:126:LYS:HD3	2:3o:126:LYS:C	2.16	0.69
2:6n:242:LEU:C	2:5l:234:LEU:HD21	2.17	0.69
2:8s:110:LEU:HD13	2:8s:110:LEU:N	2.07	0.69
2:9H:19:LEU:HD12	2:9H:41:TYR:CD2	2.20	0.69
2:1q:61:ALA:HB1	2:2o:57:MET:HE3	1.74	0.69
2:2p:226:ILE:HG22	2:3r:222:LEU:CG	2.21	0.69
2:2q:183:PHE:CZ	2:3q:196:LEU:HD22	2.27	0.69
2:2r:163:THR:H	2:2r:166:ASN:HD22	1.38	0.69
2:2s:163:THR:H	2:2s:166:ASN:HD22	1.38	0.69
2:3q:119:SER:HB3	2:4k:126:LYS:HG3	1.73	0.69
2:3t:38:ILE:HD13	2:3t:114:ARG:CZ	2.22	0.69
2:6r:38:ILE:HD13	2:6r:114:ARG:CZ	2.23	0.69
2:7r:265:ASP:HB2	2:9L:266:LEU:CD2	2.22	0.69
2:8w:201:VAL:HA	2:9I:193:LYS:HD3	1.67	0.69
2:8w:206:VAL:HG11	2:9I:210:LEU:C	2.17	0.69
2:1u:245:VAL:H	2:2t:242:LEU:HA	1.57	0.69
2:1w:245:VAL:CG2	2:3w:245:VAL:CG2	2.71	0.69
2:2u:243:GLY:H	2:3v:244:GLY:HA2	1.57	0.69
2:2v:219:LYS:O	2:3u:226:ILE:O	2.10	0.69
2:2v:232:TYR:HE2	2:3u:232:TYR:OH	1.75	0.69
2:6w:242:LEU:HD11	2:7t:236:ALA:CA	2.22	0.69
2:9M:126:LYS:HD3	2:9M:126:LYS:C	2.16	0.69
1:4T:203:PRO:CB	1:4T:212:GLU:CG	2.64	0.69
1:7P:448:ALA:O	2:7s:60:LEU:HB2	1.91	0.69
1:8T:447:GLN:HB3	2:8x:56:ASN:HB2	1.74	0.69
2:1g:174:LEU:O	2:3g:167:LYS:HB3	1.91	0.69
2:2d:196:LEU:HB3	2:3k:200:LEU:HD22	1.73	0.69
2:2d:234:LEU:HD23	2:3k:243:GLY:HA2	1.75	0.69
2:3f:38:ILE:HD13	2:3f:114:ARG:CZ	2.23	0.69
2:3g:232:TYR:CG	2:2x:232:TYR:CD2	2.79	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4f:126:LYS:HD3	2:4f:126:LYS:C	2.16	0.69
2:6f:38:ILE:HD13	2:6f:114:ARG:CZ	2.23	0.69
2:7c:262:ALA:CB	2:8j:263:VAL:HG22	2.22	0.69
2:7d:247:LYS:HB2	2:9P:238:THR:C	2.16	0.69
2:8g:38:ILE:HD13	2:8g:114:ARG:CZ	2.23	0.69
2:8h:114:ARG:HB2	2:7i:114:ARG:HD2	1.74	0.69
2:1j:245:VAL:O	2:3j:242:LEU:HA	1.93	0.69
2:1k:38:ILE:HD13	2:1k:114:ARG:CZ	2.23	0.69
2:1k:245:VAL:CG2	2:3k:245:VAL:CG2	2.71	0.69
2:2e:223:ARG:NH1	2:1p:227:GLY:HA3	2.07	0.69
2:2e:236:ALA:CA	2:1p:242:LEU:CD1	2.69	0.69
2:2f:225:MET:HG3	2:3j:214:PRO:HG3	1.73	0.69
2:2f:238:THR:O	2:3j:246:LYS:CA	2.40	0.69
2:2g:246:LYS:C	2:3i:238:THR:O	2.34	0.69
2:2h:163:THR:H	2:2h:166:ASN:HD22	1.38	0.69
2:4g:38:ILE:HD13	2:4g:114:ARG:CZ	2.22	0.69
2:4h:247:LYS:CD	2:3p:239:THR:CA	2.19	0.69
2:6i:256:ALA:N	2:8o:263:VAL:CG1	2.54	0.69
2:7h:265:ASP:HB2	2:8p:266:LEU:CD2	2.21	0.69
2:8m:110:LEU:HD13	2:8m:110:LEU:N	2.07	0.69
2:8m:163:THR:H	2:8m:166:ASN:HD22	1.39	0.69
2:1n:226:ILE:CG1	2:3n:226:ILE:CD1	2.70	0.69
2:1n:245:VAL:O	2:3n:242:LEU:HA	1.93	0.69
2:1o:163:THR:H	2:1o:166:ASN:HD22	1.39	0.69
2:2k:225:MET:O	2:3n:219:LYS:CG	2.29	0.69
2:2m:226:ILE:O	2:3t:223:ARG:CB	2.40	0.69
2:3m:163:THR:H	2:3m:166:ASN:HD22	1.39	0.69
2:5i:110:LEU:HD13	2:5i:110:LEU:N	2.07	0.69
2:5i:245:VAL:C	2:7j:242:LEU:HD21	2.16	0.69
2:6n:239:THR:CG2	2:5l:247:LYS:HB3	2.19	0.69
2:7m:184:LEU:CD2	2:8v:184:LEU:HD21	2.21	0.69
2:8q:281:LEU:CA	2:9H:250:ALA:HA	2.20	0.69
2:8r:38:ILE:HD13	2:8r:114:ARG:CZ	2.23	0.69
2:1q:197:GLN:HG3	2:2o:200:LEU:O	1.91	0.69
2:2o:210:LEU:HA	2:1x:206:VAL:CG1	2.13	0.69
2:2q:214:PRO:CD	2:3q:225:MET:CG	2.70	0.69
2:2q:242:LEU:HB3	2:4k:244:GLY:HA3	1.75	0.69
2:3r:110:LEU:HD13	2:3r:110:LEU:N	2.07	0.69
2:6q:126:LYS:HD3	2:6q:126:LYS:C	2.16	0.69
2:6r:232:TYR:CD2	2:7u:232:TYR:CE1	2.78	0.69
2:6t:110:LEU:HD13	2:6t:110:LEU:N	2.07	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:110:LEU:HD13	2:8y:110:LEU:N	2.07	0.69
2:8z:257:THR:HA	2:9N:259:VAL:CG1	2.21	0.69
2:1u:61:ALA:HB1	2:2t:57:MET:HE3	1.74	0.69
2:2t:19:LEU:HD12	2:2t:41:TYR:CD2	2.20	0.69
2:2u:199:LEU:HD13	2:3v:183:PHE:CD1	2.26	0.69
2:6v:38:ILE:HD13	2:6v:114:ARG:CZ	2.23	0.69
2:6w:173:LEU:HB3	2:7t:157:LEU:HD12	1.72	0.69
2:9O:38:ILE:HD13	2:9O:114:ARG:CZ	2.23	0.69
2:9Q:38:ILE:HD13	2:9Q:114:ARG:CZ	2.22	0.69
1:8D:447:GLN:HG2	2:8i:44:VAL:HG22	1.73	0.69
1:4K:228:GLN:OE1	1:4K:228:GLN:N	2.21	0.69
1:7H:26:ASN:CG	2:8h:52:LEU:HG	2.17	0.69
1:1O:228:GLN:OE1	1:1O:228:GLN:N	2.22	0.69
1:8R:445:GLY:CA	2:8s:45:LYS:H	2.05	0.69
1:1c:212:GLU:HG3	1:1d:372:TYR:OH	1.92	0.69
1:6Z:448:ALA:HB3	2:6w:57:MET:SD	2.33	0.69
1:6a:90:GLN:OE1	1:6a:90:GLN:N	2.24	0.69
2:1g:245:VAL:CG2	2:3g:245:VAL:CG2	2.71	0.69
2:3f:163:THR:H	2:3f:166:ASN:HD22	1.39	0.69
2:3g:270:ILE:HG13	2:2x:269:LEU:CD2	2.15	0.69
2:7b:59:PRO:HG3	2:9Q:59:PRO:HG2	1.74	0.69
2:7c:158[B]:ILE:HG23	2:8j:149[B]:ILE:HG23	1.73	0.69
2:7c:254:SER:CB	2:8j:267:ASN:OD1	2.40	0.69
2:7d:57:MET:HE2	2:8f:111:VAL:HG22	1.72	0.69
2:8f:110:LEU:HD13	2:8f:110:LEU:N	2.07	0.69
2:1i:209:LEU:HG	2:2e:206:VAL:HG21	1.75	0.69
2:1j:226:ILE:CG1	2:3j:226:ILE:CD1	2.71	0.69
2:1k:184:LEU:HD21	2:3k:184:LEU:HD21	1.73	0.69
2:1k:263:VAL:HG21	2:3k:256:ALA:HB3	0.94	0.69
2:2e:210:LEU:HD23	2:1p:206:VAL:HG13	1.74	0.69
2:2h:203:ASN:HB2	2:3p:210:LEU:O	1.91	0.69
2:5g:38:ILE:HD13	2:5g:114:ARG:CZ	2.22	0.69
2:1o:237:ALA:CB	2:3o:246:LYS:C	2.64	0.69
2:2k:242:LEU:HA	2:3n:244:GLY:CA	2.21	0.69
2:2k:243:GLY:N	2:3n:244:GLY:HA2	2.07	0.69
2:2n:266:LEU:N	2:3s:266:LEU:HD21	2.07	0.69
2:5j:242:LEU:CD2	2:7k:244:GLY:C	2.60	0.69
2:6n:110:LEU:HD13	2:6n:110:LEU:N	2.07	0.69
2:7m:148[B]:ILE:CD1	2:8v:148[B]:ILE:HD13	2.23	0.69
2:8r:110:LEU:N	2:8r:110:LEU:HD13	2.07	0.69
2:8s:41:TYR:OH	2:8w:97:TYR:OH	1.70	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:222:LEU:HB3	2:9I:226:ILE:CB	2.18	0.69
2:8t:257:THR:HA	2:8x:259:VAL:CG1	2.21	0.69
2:8u:257:THR:HA	2:7q:259:VAL:HG11	1.73	0.69
2:2p:225:MET:O	2:3r:219:LYS:CG	2.29	0.69
2:2p:239:THR:H	2:3r:247:LYS:HB3	1.43	0.69
2:2q:239:THR:HA	2:4k:247:LYS:O	1.92	0.69
2:4l:247:LYS:CD	2:3x:238:THR:C	2.64	0.69
2:6s:242:LEU:HD11	2:7o:236:ALA:CA	2.22	0.69
2:7r:148[B]:ILE:CD1	2:9L:148[B]:ILE:HD13	2.23	0.69
2:7r:262:ALA:CB	2:9L:263:VAL:HG22	2.22	0.69
2:8y:38:ILE:HD13	2:8y:114:ARG:CZ	2.23	0.69
2:8z:242:LEU:HD22	2:7x:244:GLY:O	1.89	0.69
2:1u:183:PHE:CE1	2:2t:199:LEU:HD12	2.28	0.69
2:1w:229:GLY:HA3	2:3w:231:PRO:CB	2.23	0.69
2:6w:242:LEU:HD12	2:7t:234:LEU:O	1.92	0.69
2:7w:245:VAL:HG22	2:9R:245:VAL:HG13	1.71	0.69
1:1A:447:GLN:HG3	2:1e:44:VAL:CG2	2.23	0.69
1:5F:448:ALA:HB2	2:5f:57:MET:HA	1.74	0.69
1:7A:447:GLN:O	2:7d:41:TYR:CE1	2.43	0.69
1:6K:448:ALA:HB3	2:6j:57:MET:CE	2.23	0.69
1:7G:28:GLN:OE1	2:8p:27:ILE:HD11	1.92	0.69
1:8L:448:ALA:CB	2:8m:41:TYR:HD2	1.95	0.69
1:7O:228:GLN:N	1:7O:228:GLN:OE1	2.23	0.69
1:7Q:447:GLN:NE2	2:7q:41:TYR:OH	2.25	0.69
1:9D:406:GLY:O	2:9I:45:LYS:HE2	1.90	0.69
1:1Z:448:ALA:CB	2:1v:41:TYR:CE1	2.52	0.69
1:1b:393:GLY:HA2	2:1x:107:LEU:HD12	1.72	0.69
2:1e:183:PHE:CE1	2:2Z:199:LEU:HD12	2.28	0.69
2:1g:163:THR:H	2:1g:166:ASN:HD22	1.39	0.69
2:1g:266:LEU:HD11	2:3g:266:LEU:CA	1.99	0.69
2:1h:232:TYR:OH	2:2t:232:TYR:CE2	2.44	0.69
2:2b:239:THR:HA	2:4e:247:LYS:O	1.93	0.69
2:8e:232:TYR:CB	2:9F:232:TYR:HB2	2.21	0.69
2:8f:38:ILE:HD13	2:8f:114:ARG:CZ	2.23	0.69
2:8g:110:LEU:N	2:8g:110:LEU:HD13	2.07	0.69
2:1k:110:LEU:HD13	2:1k:110:LEU:N	2.07	0.69
2:1k:270:ILE:CG2	2:3k:251:VAL:HG21	2.13	0.69
2:2e:219:LYS:HB3	2:1p:226:ILE:O	1.92	0.69
2:2e:232:TYR:HB3	2:1p:232:TYR:CD1	2.28	0.69
2:2f:243:GLY:N	2:3j:244:GLY:HA2	2.07	0.69
2:4h:234:LEU:HD21	2:3p:242:LEU:HD13	1.75	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:242:LEU:HB3	2:2k:244:GLY:HA3	1.73	0.69
2:3p:163:THR:H	2:3p:166:ASN:HD22	1.39	0.69
2:5i:279:ILE:HD11	2:6o:251:VAL:HG13	1.67	0.69
2:6m:256:ALA:O	2:8u:259:VAL:HG12	1.93	0.69
2:6n:38:ILE:HD13	2:6n:114:ARG:CZ	2.23	0.69
2:6o:163:THR:H	2:6o:166:ASN:HD22	1.39	0.69
2:6o:200:LEU:HD23	2:7j:196:LEU:HB3	1.73	0.69
2:7k:163:THR:H	2:7k:166:ASN:HD22	1.38	0.69
2:7m:265:ASP:HB2	2:8v:266:LEU:CD2	2.22	0.69
2:1q:98:ALA:CA	2:1q:110:LEU:CB	2.54	0.69
2:1q:116:LYS:C	2:1q:118:ILE:HD12	2.18	0.69
2:6s:227:GLY:O	2:7o:223:ARG:NH1	2.26	0.69
2:7r:251:VAL:CG2	2:9L:270:ILE:HG23	2.23	0.69
2:8w:132:GLY:C	2:9I:136:LEU:HD12	2.16	0.69
2:9K:110:LEU:HD13	2:9K:110:LEU:N	2.07	0.69
2:1v:245:VAL:O	2:3v:242:LEU:HA	1.93	0.69
2:2u:243:GLY:N	2:3v:244:GLY:HA2	2.07	0.69
2:6u:126:LYS:HD3	2:6u:126:LYS:C	2.16	0.69
2:7w:231:PRO:CG	2:9R:229:GLY:CA	2.70	0.69
2:9M:175:PHE:HZ	2:9J:175:PHE:CE2	2.10	0.69
1:3C:228:GLN:OE1	1:3C:228:GLN:N	2.16	0.69
1:6A:448:ALA:HB3	2:6h:41:TYR:CD2	2.27	0.69
1:7C:28:GLN:CG	2:9P:52:LEU:CD1	2.69	0.69
1:3G:420:ILE:HG22	1:3G:420:ILE:O	1.92	0.69
1:4Q:201:ASP:OD2	1:4Q:343:SER:CB	2.39	0.69
1:1V:444:GLY:C	2:1t:44:VAL:HG21	2.16	0.69
1:3U:228:GLN:OE1	1:3U:228:GLN:N	2.17	0.69
1:4T:314:ASN:OD1	1:4T:314:ASN:C	2.33	0.69
1:2W:28:GLN:NE2	2:4n:27:ILE:HD11	2.08	0.69
2:1f:242:LEU:HB3	2:2a:244:GLY:HA3	1.73	0.69
2:1f:245:VAL:O	2:3f:242:LEU:HA	1.93	0.69
2:1g:38:ILE:HD13	2:1g:114:ARG:CZ	2.23	0.69
2:1g:116:LYS:C	2:1g:118:ILE:HD12	2.18	0.69
2:1h:232:TYR:CD1	2:2t:232:TYR:HB3	2.28	0.69
2:3g:266:LEU:HD21	2:2x:266:LEU:N	2.07	0.69
2:4e:163:THR:H	2:4e:166:ASN:HD22	1.39	0.69
2:4f:247:LYS:CD	2:3l:239:THR:N	2.56	0.69
2:6g:242:LEU:HD12	2:7Z:234:LEU:O	1.92	0.69
2:7d:245:VAL:N	2:9P:242:LEU:HD22	1.89	0.69
2:2g:214:PRO:CD	2:3i:225:MET:CG	2.70	0.69
2:2i:232:TYR:HD2	2:3o:232:TYR:CD1	2.09	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:263:VAL:CG2	2:1o:256:ALA:HB3	2.23	0.69
2:2i:266:LEU:N	2:3o:266:LEU:HD21	2.07	0.69
2:3i:163:THR:H	2:3i:166:ASN:HD22	1.39	0.69
2:6j:244:GLY:C	2:7k:242:LEU:HD22	2.18	0.69
2:7e:19:LEU:HD12	2:7e:41:TYR:CD2	2.20	0.69
2:8n:257:THR:HA	2:8r:259:VAL:CG1	2.22	0.69
2:8o:110:LEU:HD13	2:8o:110:LEU:N	2.07	0.69
2:1m:245:VAL:H	2:2j:242:LEU:HA	1.57	0.69
2:2j:236:ALA:CA	2:1t:242:LEU:CD2	2.63	0.69
2:2m:203:ASN:HB2	2:3t:210:LEU:O	1.92	0.69
2:2n:219:LYS:HG2	2:3s:226:ILE:CA	2.12	0.69
2:3p:38:ILE:HD13	2:3p:114:ARG:CZ	2.23	0.69
2:4j:247:LYS:CD	2:3t:239:THR:N	2.56	0.69
2:5i:116:LYS:C	2:5i:118:ILE:HD12	2.18	0.69
2:6p:251:VAL:O	2:7m:274:LYS:NZ	2.25	0.69
2:7l:163:THR:H	2:7l:166:ASN:HD22	1.38	0.69
2:8q:278:ILE:HG22	2:9H:278:ILE:HG21	1.57	0.69
2:8q:278:ILE:HG21	2:9H:278:ILE:HG21	0.73	0.69
2:8q:279:ILE:HG21	2:9H:272:VAL:HG12	1.73	0.69
2:8r:116:LYS:C	2:8r:118:ILE:HD12	2.18	0.69
2:1q:248:GLY:N	2:2o:239:THR:HG22	2.08	0.69
2:1r:245:VAL:O	2:3r:242:LEU:HA	1.93	0.69
2:1s:183:PHE:CG	2:3s:183:PHE:HZ	2.11	0.69
2:2o:210:LEU:HD23	2:1x:206:VAL:HG13	1.74	0.69
2:2p:238:THR:O	2:3r:246:LYS:CA	2.40	0.69
2:2p:243:GLY:N	2:3r:244:GLY:HA2	2.07	0.69
2:2s:234:LEU:CD2	2:3w:243:GLY:CA	2.65	0.69
2:3q:230:VAL:C	2:4k:229:GLY:HA3	2.18	0.69
2:3t:110:LEU:HD13	2:3t:110:LEU:N	2.07	0.69
2:4l:97:TYR:HH	2:3x:41:TYR:HH	1.21	0.69
2:1w:38:ILE:HD13	2:1w:114:ARG:CZ	2.23	0.69
2:2v:214:PRO:CD	2:3u:225:MET:CG	2.70	0.69
2:3u:269:LEU:HD11	2:4m:279:ILE:HD13	1.75	0.69
2:7w:265:ASP:HB2	2:9R:266:LEU:CD2	2.21	0.69
2:9P:163:THR:H	2:9P:166:ASN:HD22	1.39	0.69
1:4Q:228:GLN:OE1	1:4Q:228:GLN:N	2.21	0.69
1:6R:444:GLY:C	2:6m:44:VAL:HG21	2.18	0.69
1:1S:448:ALA:CB	2:1q:63:TRP:HE1	2.06	0.69
1:4V:137:GLN:O	1:4V:137:GLN:HG3	1.93	0.69
1:8S:392:THR:CG2	2:8w:107:LEU:CD1	2.71	0.69
1:3Y:420:ILE:O	1:3Y:420:ILE:HG22	1.92	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1f:163:THR:H	2:1f:166:ASN:HD22	1.39	0.69
2:1g:183:PHE:CG	2:3g:183:PHE:HZ	2.11	0.69
2:1h:201:VAL:HA	2:2t:197:GLN:NE2	2.06	0.69
2:2Z:219:LYS:HB3	2:1l:226:ILE:O	1.92	0.69
2:2Z:232:TYR:HB3	2:1l:232:TYR:CD1	2.28	0.69
2:2a:239:THR:H	2:3f:247:LYS:HB3	1.43	0.69
2:2c:203:ASN:HB2	2:3l:210:LEU:O	1.91	0.69
2:3g:226:ILE:CA	2:2x:219:LYS:HG2	2.12	0.69
2:3g:266:LEU:HD13	2:2x:266:LEU:HD12	1.73	0.69
2:3h:110:LEU:HD13	2:3h:110:LEU:N	2.07	0.69
2:6e:254:SER:O	2:8i:263:VAL:HG13	1.87	0.69
2:7d:244:GLY:HA3	2:9P:242:LEU:CD2	2.16	0.69
2:1i:242:LEU:HD23	2:1p:245:VAL:CA	2.20	0.69
2:2i:234:LEU:HD23	2:3o:243:GLY:HA2	1.74	0.69
2:2i:266:LEU:HD12	2:3o:266:LEU:HD13	1.73	0.69
2:3i:269:LEU:HD11	2:4g:279:ILE:HD13	1.75	0.69
2:4g:116:LYS:C	2:4g:118:ILE:HD12	2.18	0.69
2:5g:259:VAL:HG11	2:6k:257:THR:C	2.18	0.69
2:6i:257:THR:N	2:8o:259:VAL:HG12	2.02	0.69
2:6j:242:LEU:CD1	2:5j:236:ALA:CA	2.69	0.69
2:7f:19:LEU:HD12	2:7f:41:TYR:CD2	2.20	0.69
2:8m:38:ILE:HD13	2:8m:114:ARG:CZ	2.23	0.69
2:8m:116:LYS:C	2:8m:118:ILE:HD12	2.18	0.69
2:1m:116:LYS:C	2:1m:118:ILE:HD12	2.18	0.69
2:4j:97:TYR:OH	2:3t:41:TYR:OH	1.96	0.69
2:5i:278:ILE:CG2	2:6o:278:ILE:CD1	2.67	0.69
2:6n:238:THR:O	2:5l:246:LYS:CA	2.39	0.69
2:7m:145:ARG:HG2	2:8v:148[A]:ILE:CG2	2.23	0.69
2:8q:238:THR:O	2:9H:246:LYS:HB3	1.92	0.69
2:1q:38:ILE:HD13	2:1q:114:ARG:CZ	2.22	0.69
2:1q:245:VAL:H	2:2o:242:LEU:HA	1.57	0.69
2:2o:219:LYS:HB3	2:1x:226:ILE:O	1.92	0.69
2:2r:57:MET:HE3	2:3x:61:ALA:HB1	1.74	0.69
2:2s:196:LEU:HB3	2:3w:200:LEU:HD22	1.72	0.69
2:5k:110:LEU:HD13	2:5k:110:LEU:N	2.07	0.69
2:6r:116:LYS:C	2:6r:118:ILE:HD12	2.18	0.69
2:6t:116:LYS:C	2:6t:118:ILE:HD12	2.18	0.69
2:8x:38:ILE:HD13	2:8x:114:ARG:CZ	2.23	0.69
2:8x:116:LYS:C	2:8x:118:ILE:HD12	2.18	0.69
2:1v:226:ILE:CD1	2:3v:226:ILE:HD13	2.21	0.69
2:2v:222:LEU:HB2	2:3u:226:ILE:CG2	2.22	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3u:230:VAL:C	2:4m:229:GLY:HA3	2.18	0.69
2:5m:120:ILE:HD12	2:6w:120:ILE:CD1	2.22	0.69
2:6u:249:ALA:O	2:9Q:279:ILE:CB	2.41	0.69
2:6u:251:VAL:HG12	2:9Q:279:ILE:HD12	1.73	0.69
1:1E:212:GLU:HG3	1:1F:372:TYR:OH	1.92	0.69
1:5E:445:GLY:HA2	2:5e:44:VAL:HB	1.73	0.69
1:8D:445:GLY:C	2:8i:45:LYS:H	2.01	0.69
1:6G:447:GLN:CD	2:6l:56:ASN:HB2	2.17	0.69
1:1O:447:GLN:HG3	2:1o:60:LEU:HD12	1.75	0.69
1:1Q:212:GLU:HG3	1:1R:372:TYR:OH	1.92	0.69
1:3Q:448:ALA:HB3	2:3n:41:TYR:HD2	1.58	0.69
1:7L:447:GLN:HE21	2:7l:44:VAL:HG22	1.57	0.69
1:7L:447:GLN:CG	2:7l:44:VAL:CG1	2.71	0.69
1:9C:394:THR:CA	2:9H:16:TYR:HE1	2.05	0.69
1:1S:312:VAL:O	1:1S:312:VAL:HG13	1.91	0.69
1:2T:357:ASN:O	1:2T:358:ILE:HG13	1.93	0.69
1:4W:392:THR:HG22	2:4k:16:TYR:CD1	2.26	0.69
1:6S:448:ALA:O	2:6t:59:PRO:CA	2.40	0.69
1:7P:447:GLN:N	2:7s:42:VAL:O	2.25	0.69
1:7Q:25:ARG:CZ	2:9L:51:ASP:OD1	2.40	0.69
1:8X:445:GLY:C	2:8y:44:VAL:N	2.43	0.69
1:1b:393:GLY:HA2	2:1x:107:LEU:CD1	2.22	0.69
1:5Z:397:THR:O	1:5Z:397:THR:HG22	1.92	0.69
1:8Y:448:ALA:HB3	2:9M:57:MET:HA	1.75	0.69
2:1e:38:ILE:HD13	2:1e:114:ARG:CZ	2.23	0.69
2:1e:209:LEU:HG	2:2Z:206:VAL:HG21	1.75	0.69
2:1g:110:LEU:HD13	2:1g:110:LEU:N	2.07	0.69
2:1h:226:ILE:O	2:2t:219:LYS:HB3	1.92	0.69
2:2Z:232:TYR:CE2	2:1l:232:TYR:OH	2.44	0.69
2:2a:62:ALA:CB	2:2a:110:LEU:O	2.41	0.69
2:2a:243:GLY:H	2:3f:244:GLY:HA2	1.57	0.69
2:2d:62:ALA:CB	2:2d:110:LEU:O	2.41	0.69
2:3e:209:LEU:O	2:4e:206:VAL:HG21	1.93	0.69
2:3e:232:TYR:CD2	2:4e:232:TYR:CE1	2.79	0.69
2:3g:206:VAL:HG11	2:2x:210:LEU:HA	1.73	0.69
2:3g:243:GLY:HA2	2:2x:234:LEU:HD23	1.75	0.69
2:3h:183:PHE:HE2	2:2w:180:VAL:HG22	1.55	0.69
2:6f:116:LYS:C	2:6f:118:ILE:HD12	2.18	0.69
2:6f:244:GLY:C	2:7f:242:LEU:HD22	2.17	0.69
2:6h:116:LYS:C	2:6h:118:ILE:HD12	2.18	0.69
2:7a:163:THR:H	2:7a:166:ASN:HD22	1.38	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:179:ASN:HD22	2:8g:192:ASN:HD22	1.37	0.69
2:8h:239:THR:CA	2:7i:247:LYS:CB	2.48	0.69
2:1i:116:LYS:C	2:1i:118:ILE:HD12	2.18	0.69
2:1i:183:PHE:CE1	2:2e:199:LEU:HD12	2.28	0.69
2:1k:148[B]:ILE:HD13	2:3k:148[B]:ILE:CD1	2.20	0.69
2:2e:197:GLN:NE2	2:1p:201:VAL:HA	2.06	0.69
2:2i:62:ALA:CB	2:2i:110:LEU:O	2.41	0.69
2:2i:219:LYS:CG	2:3o:226:ILE:HA	2.11	0.69
2:2i:273:LEU:CD2	2:3o:279:ILE:HG23	2.21	0.69
2:3l:110:LEU:HD13	2:3l:110:LEU:N	2.07	0.69
2:3l:116:LYS:C	2:3l:118:ILE:HD12	2.18	0.69
2:6i:58:TYR:HB3	2:8o:2:MET:HE1	1.75	0.69
2:6j:242:LEU:C	2:5j:234:LEU:HD21	2.17	0.69
2:6l:116:LYS:C	2:6l:118:ILE:HD12	2.18	0.69
2:7e:62:ALA:CB	2:7e:110:LEU:O	2.41	0.69
2:8k:175:PHE:HZ	2:9G:175:PHE:CE2	2.10	0.69
2:8k:206:VAL:HG11	2:9G:210:LEU:C	2.17	0.69
2:8l:116:LYS:C	2:8l:118:ILE:HD12	2.18	0.69
2:8m:122:VAL:H	2:9H:127:ASP:CG	2.01	0.69
2:8o:38:ILE:HD13	2:8o:114:ARG:CZ	2.23	0.69
2:8o:116:LYS:C	2:8o:118:ILE:HD12	2.18	0.69
2:1m:110:LEU:HD13	2:1m:110:LEU:N	2.07	0.69
2:1o:245:VAL:CG2	2:3o:245:VAL:CG2	2.71	0.69
2:2j:62:ALA:CB	2:2j:110:LEU:O	2.41	0.69
2:2j:232:TYR:HB3	2:1t:232:TYR:CD1	2.28	0.69
2:2l:214:PRO:CD	2:3m:225:MET:CG	2.70	0.69
2:2l:219:LYS:O	2:3m:226:ILE:O	2.10	0.69
2:2n:266:LEU:HD12	2:3s:266:LEU:HD13	1.73	0.69
2:2n:273:LEU:CD2	2:3s:279:ILE:HG23	2.21	0.69
2:3n:110:LEU:HD13	2:3n:110:LEU:N	2.07	0.69
2:3n:116:LYS:C	2:3n:118:ILE:HD12	2.18	0.69
2:5i:38:ILE:HD13	2:5i:114:ARG:CZ	2.22	0.69
2:5i:111:VAL:CG1	2:7j:57:MET:HE1	2.21	0.69
2:6m:256:ALA:N	2:8u:263:VAL:CG1	2.54	0.69
2:6m:258:ASP:C	2:8u:259:VAL:CG2	2.65	0.69
2:6p:116:LYS:C	2:6p:118:ILE:HD12	2.18	0.69
2:7m:231:PRO:CG	2:8v:229:GLY:CA	2.70	0.69
2:7m:262:ALA:CB	2:8v:263:VAL:HG22	2.22	0.69
2:7n:62:ALA:CB	2:7n:110:LEU:O	2.41	0.69
2:8q:279:ILE:HB	2:9H:248:GLY:HA3	1.72	0.69
2:8s:38:ILE:HD13	2:8s:114:ARG:CZ	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8u:110:LEU:HD13	2:8u:110:LEU:N	2.07	0.69
2:1q:110:LEU:HD13	2:1q:110:LEU:N	2.07	0.69
2:1s:110:LEU:HD13	2:1s:110:LEU:N	2.07	0.69
2:1s:174:LEU:O	2:3s:167:LYS:HB3	1.92	0.69
2:2r:62:ALA:CB	2:2r:110:LEU:O	2.41	0.69
2:3r:116:LYS:C	2:3r:118:ILE:HD12	2.18	0.69
2:4k:116:LYS:C	2:4k:118:ILE:HD12	2.18	0.69
2:4l:247:LYS:CD	2:3x:239:THR:N	2.55	0.69
2:5k:116:LYS:C	2:5k:118:ILE:HD12	2.18	0.69
2:5k:163:THR:H	2:5k:166:ASN:HD22	1.39	0.69
2:5k:247:LYS:HB3	2:7o:239:THR:HA	1.74	0.69
2:6q:120:ILE:CD1	2:9K:120:ILE:HD12	2.22	0.69
2:6r:110:LEU:HD13	2:6r:110:LEU:N	2.07	0.69
2:6s:163:THR:H	2:6s:166:ASN:HD22	1.39	0.69
2:7s:57:MET:HE3	2:8x:61:ALA:CB	2.22	0.69
2:8w:126:LYS:HD3	2:8w:126:LYS:C	2.16	0.69
2:8w:175:PHE:HZ	2:9I:175:PHE:CE2	2.10	0.69
2:8w:278:ILE:HG22	2:9I:278:ILE:HD13	0.74	0.69
2:8y:116:LYS:C	2:8y:118:ILE:HD12	2.18	0.69
2:8y:209:LEU:HG	2:9J:206:VAL:CG2	2.20	0.69
2:8z:163:THR:H	2:8z:166:ASN:HD22	1.39	0.69
2:9I:62:ALA:CB	2:9I:110:LEU:O	2.41	0.69
2:1w:110:LEU:HD13	2:1w:110:LEU:N	2.07	0.69
2:1w:116:LYS:C	2:1w:118:ILE:HD12	2.18	0.69
2:1w:130:ASP:HB2	2:3w:139:ASN:O	1.93	0.69
2:1w:183:PHE:CG	2:3w:183:PHE:HZ	2.11	0.69
2:2t:62:ALA:CB	2:2t:110:LEU:O	2.41	0.69
2:2u:238:THR:O	2:3v:246:LYS:CA	2.40	0.69
2:2v:200:LEU:HD11	2:3u:200:LEU:HD13	1.72	0.69
2:2v:239:THR:HA	2:4m:247:LYS:O	1.92	0.69
2:3v:116:LYS:C	2:3v:118:ILE:HD12	2.18	0.69
2:3x:110:LEU:HD13	2:3x:110:LEU:N	2.07	0.69
2:5m:111:VAL:CG1	2:7t:57:MET:HE1	2.21	0.69
2:5m:269:LEU:CD2	2:6w:269:LEU:HD23	2.16	0.69
2:6w:200:LEU:HD23	2:7t:196:LEU:HB3	1.73	0.69
2:7v:163:THR:H	2:7v:166:ASN:HD22	1.38	0.69
2:7w:145:ARG:HG2	2:9R:148[A]:ILE:CG2	2.23	0.69
1:7A:448:ALA:O	2:7d:60:LEU:HG	1.93	0.69
1:7C:26:ASN:OD1	2:9P:52:LEU:HG	1.92	0.69
1:8A:446:ALA:CB	2:8e:55:VAL:HA	2.23	0.69
1:2O:357:ASN:O	1:2O:358:ILE:HG13	1.93	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1W:212:GLU:HG3	1:1X:372:TYR:OH	1.92	0.69
1:3U:444:GLY:O	2:3t:45:LYS:CD	2.41	0.69
1:8T:448:ALA:O	2:8x:59:PRO:HA	1.93	0.69
1:6Z:407:ASN:HB2	2:6w:44:VAL:O	1.93	0.69
1:7V:385:TRP:O	2:7v:106:GLN:NE2	2.21	0.69
1:8b:448:ALA:CB	2:9Q:41:TYR:HD2	2.05	0.69
2:2c:57:MET:HE3	2:3l:61:ALA:HB1	1.74	0.69
2:3e:230:VAL:C	2:4e:229:GLY:HA3	2.18	0.69
2:3g:232:TYR:CE2	2:2x:232:TYR:HD2	1.87	0.69
2:3h:38:ILE:HD13	2:3h:114:ARG:CZ	2.23	0.69
2:3h:163:THR:H	2:3h:166:ASN:HD22	1.39	0.69
2:3h:239:THR:N	2:4n:247:LYS:CD	2.56	0.69
2:6g:227:GLY:O	2:7Z:223:ARG:NH1	2.26	0.69
2:7a:62:ALA:CB	2:7a:110:LEU:O	2.41	0.69
2:7c:254:SER:CB	2:8j:267:ASN:ND2	2.56	0.69
2:7d:62:ALA:CB	2:7d:110:LEU:O	2.41	0.69
2:8e:244:GLY:H	2:9F:234:LEU:HD21	1.58	0.69
2:8g:122:VAL:H	2:9G:127:ASP:CG	2.01	0.69
2:9F:242:LEU:O	2:9O:234:LEU:HD22	1.86	0.69
2:1k:183:PHE:CG	2:3k:183:PHE:HZ	2.11	0.69
2:2e:19:LEU:HD12	2:2e:41:TYR:CD2	2.20	0.69
2:2e:141:PRO:HB2	2:1p:150:GLU:OE1	1.92	0.69
2:2e:246:LYS:CD	2:1p:240:THR:HA	2.20	0.69
2:2i:148[B]:ILE:HD12	2:1o:148[B]:ILE:CD1	2.21	0.69
2:2i:193:LYS:HD3	2:3o:201:VAL:CA	2.23	0.69
2:4g:163:THR:H	2:4g:166:ASN:HD22	1.39	0.69
2:5g:247:LYS:HB3	2:7e:239:THR:HA	1.74	0.69
2:5g:270:ILE:HG12	2:6k:251:VAL:HG21	1.75	0.69
2:6l:259:VAL:HG21	2:8p:258:ASP:HA	1.75	0.69
2:6l:259:VAL:HG22	2:7h:259:VAL:HG22	1.75	0.69
2:7h:254:SER:CB	2:8p:267:ASN:ND2	2.56	0.69
2:8o:59:PRO:HG2	2:7l:59:PRO:HG3	1.74	0.69
2:1o:200:LEU:C	2:3o:193:LYS:CD	2.66	0.69
2:2k:62:ALA:CB	2:2k:110:LEU:O	2.41	0.69
2:2n:163:THR:H	2:2n:166:ASN:HD22	1.38	0.69
2:3p:110:LEU:HD13	2:3p:110:LEU:N	2.07	0.69
2:8q:206:VAL:HG11	2:9H:210:LEU:C	2.17	0.69
2:1q:111:VAL:HG22	2:2o:57:MET:CE	2.20	0.69
2:1s:273:LEU:CD1	2:3s:269:LEU:CD1	2.40	0.69
2:2o:232:TYR:HB3	2:1x:232:TYR:CD1	2.28	0.69
2:2o:247:LYS:HG2	2:1x:280:SER:HG	1.57	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:243:GLY:H	2:3r:244:GLY:HA2	1.57	0.69
2:2r:203:ASN:HB2	2:3x:210:LEU:O	1.91	0.69
2:4k:163:THR:H	2:4k:166:ASN:HD22	1.39	0.69
2:5k:98:ALA:CA	2:5k:110:LEU:CB	2.54	0.69
2:6q:256:ALA:N	2:9K:263:VAL:CG1	2.54	0.69
2:6t:38:ILE:HD13	2:6t:114:ARG:CZ	2.23	0.69
2:7p:62:ALA:CB	2:7p:110:LEU:O	2.41	0.69
2:7r:62:ALA:CB	2:7r:110:LEU:O	2.41	0.69
2:7r:145:ARG:HG2	2:9L:148[A]:ILE:CG2	2.23	0.69
2:8w:244:GLY:H	2:9I:234:LEU:HD21	1.58	0.69
2:1u:110:LEU:HD13	2:1u:110:LEU:N	2.07	0.69
2:1u:234:LEU:HD21	2:2t:242:LEU:HB3	1.73	0.69
2:1v:226:ILE:HG22	2:2u:222:LEU:HD13	1.74	0.69
2:2v:62:ALA:CB	2:2v:110:LEU:O	2.41	0.69
2:5m:116:LYS:C	2:5m:118:ILE:HD12	2.18	0.69
2:5m:247:LYS:HB3	2:7t:239:THR:HA	1.74	0.69
2:6w:179:ASN:HD22	2:6w:192:ASN:HD22	1.37	0.69
2:7w:254:SER:CB	2:9R:267:ASN:ND2	2.56	0.69
1:8A:447:GLN:HE22	2:8e:56:ASN:ND2	1.91	0.69
1:4L:16:GLU:OE1	1:4L:16:GLU:N	2.25	0.69
1:7F:448:ALA:O	2:7i:60:LEU:CD1	2.41	0.69
1:1Q:203:PRO:HB3	1:1Q:210:LEU:CA	2.23	0.69
1:2K:314:ASN:OD1	1:2K:314:ASN:C	2.36	0.69
1:4R:446:ALA:HB2	2:4j:56:ASN:H	1.57	0.69
1:3U:202:GLU:HB2	1:3U:343:SER:HB3	1.72	0.69
1:7S:28:GLN:NE2	2:6m:52:LEU:CD1	2.55	0.69
1:1Y:444:GLY:O	2:1u:45:LYS:HD2	1.93	0.69
1:6d:447:GLN:CA	2:6u:56:ASN:CB	2.26	0.69
2:1e:116:LYS:C	2:1e:118:ILE:HD12	2.18	0.69
2:1g:148[B]:ILE:CD1	2:2x:148[B]:ILE:HD12	2.21	0.69
2:1g:229:GLY:HA3	2:3g:231:PRO:CB	2.23	0.69
2:2Z:141:PRO:HB2	2:1l:150:GLU:OE1	1.92	0.69
2:2b:222:LEU:HB2	2:3e:226:ILE:CB	2.23	0.69
2:2d:248:GLY:C	2:3k:280:SER:H	2.00	0.69
2:4e:110:LEU:N	2:4e:110:LEU:HD13	2.07	0.69
2:5e:38:ILE:HD13	2:5e:114:ARG:CZ	2.22	0.69
2:5e:110:LEU:HD13	2:5e:110:LEU:N	2.07	0.69
2:6e:256:ALA:O	2:8i:259:VAL:HG12	1.93	0.69
2:8e:174:LEU:HD22	2:9F:170:LEU:CB	2.19	0.69
2:8f:116:LYS:C	2:8f:118:ILE:HD12	2.18	0.69
2:8i:38:ILE:HD13	2:8i:114:ARG:CZ	2.22	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8i:116:LYS:C	2:8i:118:ILE:HD12	2.18	0.69
2:1j:226:ILE:HG22	2:2f:222:LEU:HD13	1.74	0.69
2:1k:116:LYS:C	2:1k:118:ILE:HD12	2.18	0.69
2:1k:229:GLY:HA3	2:3k:231:PRO:CB	2.23	0.69
2:2g:242:LEU:CD2	2:4g:244:GLY:C	2.64	0.69
2:2h:62:ALA:CB	2:2h:110:LEU:O	2.41	0.69
2:3j:116:LYS:C	2:3j:118:ILE:HD12	2.18	0.69
2:3l:38:ILE:HD13	2:3l:114:ARG:CZ	2.23	0.69
2:6i:162:THR:OG1	2:8o:173:LEU:O	2.08	0.69
2:6l:110:LEU:HD13	2:6l:110:LEU:N	2.07	0.69
2:6l:280:SER:O	2:8p:250:ALA:HA	1.93	0.69
2:7h:148[B]:ILE:CD1	2:8p:148[B]:ILE:HD13	2.23	0.69
2:7h:163:THR:H	2:7h:166:ASN:HD22	1.38	0.69
2:1m:38:ILE:HD13	2:1m:114:ARG:CZ	2.22	0.69
2:1n:163:THR:H	2:1n:166:ASN:HD22	1.39	0.69
2:1n:226:ILE:HG22	2:2k:222:LEU:HD13	1.74	0.69
2:1n:228:ALA:HB3	2:3n:228:ALA:HB2	1.69	0.69
2:1o:130:ASP:HB2	2:3o:139:ASN:O	1.93	0.69
2:1o:263:VAL:CG1	2:3o:256:ALA:H	2.06	0.69
2:2k:239:THR:H	2:3n:247:LYS:HB3	1.43	0.69
2:2l:210:LEU:CD2	2:3m:206:VAL:CG1	2.67	0.69
2:4i:116:LYS:C	2:4i:118:ILE:HD12	2.18	0.69
2:7m:163:THR:H	2:7m:166:ASN:HD22	1.38	0.69
2:8q:232:TYR:CB	2:9H:232:TYR:HB2	2.21	0.69
2:2o:62:ALA:CB	2:2o:110:LEU:O	2.41	0.69
2:2r:175:PHE:CE1	2:3x:175:PHE:HZ	2.09	0.69
2:2s:248:GLY:C	2:3w:280:SER:H	2.00	0.69
2:5k:259:VAL:CG2	2:6s:258:ASP:HA	2.20	0.69
2:6q:58:TYR:HB3	2:9K:2:MET:HE1	1.75	0.69
2:6q:254:SER:O	2:9K:263:VAL:HG13	1.87	0.69
2:6t:163:THR:H	2:6t:166:ASN:HD22	1.39	0.69
2:6t:280:SER:O	2:9L:250:ALA:HA	1.94	0.69
2:8w:173:LEU:CD1	2:9I:157:LEU:HD12	2.23	0.69
2:8x:163:THR:H	2:8x:166:ASN:HD22	1.39	0.69
2:8z:242:LEU:HD22	2:7x:245:VAL:N	1.88	0.69
2:1u:116:LYS:C	2:1u:118:ILE:HD12	2.18	0.69
2:6u:58:TYR:HB3	2:9Q:2:MET:HE1	1.75	0.69
2:6x:38:ILE:HD13	2:6x:114:ARG:CZ	2.23	0.69
2:9M:173:LEU:CD1	2:9J:157:LEU:HD12	2.23	0.69
2:9M:238:THR:O	2:9J:246:LYS:HB3	1.92	0.69
2:9N:163:THR:H	2:9N:166:ASN:HD22	1.39	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1A:312:VAL:O	1:1A:312:VAL:HG13	1.91	0.68
1:3A:110:TYR:CD2	1:3A:110:TYR:O	2.46	0.68
1:5F:419:ASP:HB3	1:5F:425:LYS:NZ	2.07	0.68
1:5F:423:GLU:O	1:5F:424:ASP:C	2.35	0.68
1:7E:297:LYS:O	1:7E:297:LYS:HG2	1.93	0.68
1:4J:137:GLN:O	1:4J:137:GLN:HG3	1.93	0.68
1:6L:446:ALA:O	2:6i:44:VAL:HG13	1.93	0.68
1:1M:245:GLU:OE1	1:1M:245:GLU:N	2.23	0.68
1:8R:445:GLY:C	2:8s:44:VAL:H	2.01	0.68
1:4X:14:ILE:O	1:4X:14:ILE:HG22	1.93	0.68
1:3a:447:GLN:O	2:3x:41:TYR:HB3	1.93	0.68
2:1f:226:ILE:HG22	2:2a:222:LEU:HD13	1.74	0.68
2:3g:232:TYR:CZ	2:2x:232:TYR:CE2	2.79	0.68
2:5f:236:ALA:CA	2:6v:242:LEU:CD1	2.69	0.68
2:6g:227:GLY:O	2:7Z:223:ARG:CZ	2.41	0.68
2:6g:227:GLY:CA	2:7Z:223:ARG:NH1	2.49	0.68
2:1k:130:ASP:HB2	2:3k:139:ASN:O	1.93	0.68
2:1k:199:LEU:O	2:3k:193:LYS:HG2	1.93	0.68
2:2i:196:LEU:HB3	2:3o:200:LEU:CD2	2.23	0.68
2:2i:232:TYR:CE2	2:3o:232:TYR:CZ	2.79	0.68
2:2i:248:GLY:C	2:3o:280:SER:H	2.00	0.68
2:3j:38:ILE:HD13	2:3j:114:ARG:CZ	2.23	0.68
2:4h:209:LEU:HD11	2:3p:225:MET:SD	2.33	0.68
2:5g:110:LEU:HD13	2:5g:110:LEU:N	2.07	0.68
2:6i:120:ILE:CD1	2:8o:120:ILE:HD12	2.22	0.68
2:6k:227:GLY:O	2:7e:223:ARG:NH1	2.26	0.68
2:1m:183:PHE:CE1	2:2j:199:LEU:HD12	2.27	0.68
2:2j:210:LEU:HD23	2:1t:206:VAL:HG11	1.72	0.68
2:2m:206:VAL:CG2	2:3t:209:LEU:C	2.63	0.68
2:3p:116:LYS:C	2:3p:118:ILE:HD12	2.18	0.68
2:6o:227:GLY:O	2:7j:223:ARG:NH1	2.26	0.68
2:7k:62:ALA:CB	2:7k:110:LEU:O	2.41	0.68
2:7m:254:SER:CB	2:8v:267:ASN:OD1	2.40	0.68
2:8u:59:PRO:HG2	2:7q:59:PRO:HG3	1.74	0.68
2:1s:245:VAL:CG2	2:3s:245:VAL:CG2	2.71	0.68
2:2o:232:TYR:CD2	2:1x:232:TYR:CD1	2.82	0.68
2:2o:246:LYS:CD	2:1x:239:THR:O	2.40	0.68
2:2p:225:MET:HG3	2:3r:214:PRO:HG3	1.73	0.68
2:2p:226:ILE:HG22	2:3r:222:LEU:HD13	1.72	0.68
2:2q:219:LYS:O	2:3q:226:ILE:O	2.10	0.68
2:2r:226:ILE:O	2:3x:223:ARG:CB	2.40	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3q:209:LEU:O	2:4k:206:VAL:HG21	1.93	0.68
2:7r:231:PRO:CG	2:9L:229:GLY:CA	2.70	0.68
2:8w:238:THR:O	2:9I:246:LYS:HB3	1.92	0.68
2:8w:279:ILE:HB	2:9I:248:GLY:HA3	1.72	0.68
2:8y:247:LYS:CE	2:9J:280:SER:OG	2.41	0.68
2:8z:114:ARG:HB2	2:7x:114:ARG:HD2	1.74	0.68
2:9L:163:THR:H	2:9L:166:ASN:HD22	1.39	0.68
2:1u:248:GLY:N	2:2t:239:THR:HG22	2.08	0.68
2:1w:273:LEU:CD1	2:3w:269:LEU:CD1	2.40	0.68
2:1w:280:SER:N	2:3w:248:GLY:C	2.48	0.68
2:2v:248:GLY:O	2:3u:280:SER:HB2	1.93	0.68
2:3v:38:ILE:HD13	2:3v:114:ARG:CZ	2.23	0.68
2:5m:110:LEU:HD13	2:5m:110:LEU:N	2.07	0.68
2:6w:176:SER:HB3	2:7t:167:LYS:CD	2.24	0.68
2:7w:246:LYS:CA	2:9R:237:ALA:HB1	2.22	0.68
2:9N:116:LYS:C	2:9N:118:ILE:HD12	2.18	0.68
1:7J:228:GLN:OE1	1:7J:228:GLN:N	2.23	0.68
1:7K:93:LEU:HD12	1:7K:93:LEU:C	2.19	0.68
1:1V:393:GLY:HA2	2:1t:107:LEU:HD12	1.75	0.68
1:1W:203:PRO:HB3	1:1W:210:LEU:CA	2.23	0.68
1:5T:397:THR:HG22	1:5T:397:THR:O	1.92	0.68
1:7P:93:LEU:HD12	1:7P:93:LEU:C	2.18	0.68
1:7Q:448:ALA:C	2:7q:58:TYR:O	2.37	0.68
1:9D:392:THR:CG2	2:9I:46:ASP:OD2	2.19	0.68
1:1a:446:ALA:HB1	2:1w:42:VAL:O	1.93	0.68
1:3Y:110:TYR:CD2	1:3Y:110:TYR:O	2.46	0.68
1:4b:137:GLN:HG3	1:4b:137:GLN:O	1.93	0.68
1:7U:407:ASN:HB2	2:7x:45:LYS:HG3	1.74	0.68
1:7X:447:GLN:HG3	2:7t:44:VAL:HG21	1.75	0.68
2:1f:226:ILE:CG1	2:3f:226:ILE:CD1	2.71	0.68
2:3h:239:THR:CA	2:4n:247:LYS:CD	2.19	0.68
2:5e:259:VAL:HG11	2:6g:257:THR:C	2.18	0.68
2:6f:226:ILE:HG22	2:5h:222:LEU:CD1	2.24	0.68
2:6g:232:TYR:OH	2:7Z:232:TYR:CE2	2.47	0.68
2:6g:242:LEU:HD11	2:7Z:236:ALA:CA	2.22	0.68
2:6h:259:VAL:HG22	2:7c:259:VAL:HG22	1.75	0.68
2:7c:62:ALA:CB	2:7c:110:LEU:O	2.41	0.68
2:8g:210:LEU:HD22	2:9G:201:VAL:HG21	1.75	0.68
2:8g:270:ILE:HD13	2:8k:252:THR:C	2.19	0.68
2:1i:234:LEU:HD21	2:2e:242:LEU:C	2.18	0.68
2:1i:239:THR:N	2:1p:247:LYS:HB3	2.08	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:226:ILE:C	2:3p:223:ARG:H	1.98	0.68
2:5g:111:VAL:CB	2:7e:57:MET:HE2	2.23	0.68
2:6i:158[A]:ILE:HG12	2:8o:158[A]:ILE:HD11	1.74	0.68
2:6i:249:ALA:O	2:8o:279:ILE:CB	2.41	0.68
2:1m:239:THR:N	2:1t:247:LYS:HB3	2.08	0.68
2:1m:248:GLY:N	2:2j:239:THR:HG22	2.08	0.68
2:1o:38:ILE:HD13	2:1o:114:ARG:CZ	2.23	0.68
2:1o:116:LYS:C	2:1o:118:ILE:HD12	2.18	0.68
2:2k:226:ILE:HG22	2:3n:222:LEU:HD13	1.72	0.68
2:2l:239:THR:HA	2:4i:247:LYS:O	1.93	0.68
2:2m:62:ALA:CB	2:2m:110:LEU:O	2.41	0.68
2:3m:230:VAL:C	2:4i:229:GLY:HA3	2.18	0.68
2:3m:269:LEU:HD11	2:4i:279:ILE:HD13	1.75	0.68
2:4i:38:ILE:HD13	2:4i:114:ARG:CZ	2.23	0.68
2:8t:239:THR:CA	2:7s:247:LYS:CB	2.48	0.68
2:1r:226:ILE:CG1	2:3r:226:ILE:CD1	2.71	0.68
2:2r:242:LEU:HD11	2:3x:235:PRO:O	0.87	0.68
2:2s:266:LEU:HD12	2:3w:266:LEU:HD13	1.73	0.68
2:4k:38:ILE:HD13	2:4k:114:ARG:CZ	2.22	0.68
2:7q:19:LEU:HD12	2:7q:41:TYR:CD2	2.20	0.68
2:7r:246:LYS:CA	2:9L:237:ALA:HB1	2.22	0.68
2:1u:38:ILE:HD13	2:1u:114:ARG:CZ	2.23	0.68
2:3v:110:LEU:HD13	2:3v:110:LEU:N	2.07	0.68
2:4m:116:LYS:C	2:4m:118:ILE:HD12	2.18	0.68
2:6v:116:LYS:C	2:6v:118:ILE:HD12	2.18	0.68
2:6x:280:SER:O	2:9R:250:ALA:HA	1.93	0.68
2:7u:62:ALA:CB	2:7u:110:LEU:O	2.41	0.68
2:7w:259:VAL:H	2:9R:259:VAL:HG21	1.54	0.68
2:9N:38:ILE:HD13	2:9N:114:ARG:CZ	2.23	0.68
2:9O:116:LYS:C	2:9O:118:ILE:HD12	2.18	0.68
2:9Q:116:LYS:C	2:9Q:118:ILE:HD12	2.18	0.68
1:2D:443:SER:O	2:2Z:45:LYS:CE	2.41	0.68
1:1I:444:GLY:N	2:1k:45:LYS:HE3	1.96	0.68
1:4K:201:ASP:OD2	1:4K:343:SER:CB	2.39	0.68
1:1P:228:GLN:OE1	1:1P:228:GLN:N	2.20	0.68
1:5W:443:SER:HA	2:5k:45:LYS:NZ	2.09	0.68
1:5W:448:ALA:O	2:5k:63:TRP:CE2	2.46	0.68
1:8W:445:GLY:C	2:8z:44:VAL:CG2	2.64	0.68
1:5c:288:THR:O	1:5c:288:THR:HG23	1.93	0.68
1:6Z:446:ALA:HB3	2:6w:55:VAL:HG22	1.74	0.68
1:7U:93:LEU:HD12	1:7U:93:LEU:C	2.18	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:234:LEU:HD21	2:2Z:242:LEU:C	2.18	0.68
2:1f:238:THR:C	2:2a:247:LYS:H	2.01	0.68
2:1g:154:ALA:HB1	2:3g:158[B]:ILE:HD13	1.75	0.68
2:1h:245:VAL:CA	2:1u:242:LEU:HD22	2.22	0.68
2:2d:193:LYS:HD3	2:3k:201:VAL:CA	2.23	0.68
2:2d:266:LEU:N	2:3k:266:LEU:HD21	2.07	0.68
2:4e:38:ILE:HD13	2:4e:114:ARG:CZ	2.23	0.68
2:5e:247:LYS:HB3	2:7Z:239:THR:HA	1.74	0.68
2:6g:239:THR:C	2:7Z:246:LYS:CB	2.62	0.68
2:8e:175:PHE:HZ	2:9F:175:PHE:CE2	2.10	0.68
2:8e:252:THR:C	2:9O:270:ILE:HD13	2.19	0.68
2:8g:210:LEU:CD2	2:9G:206:VAL:HG12	2.23	0.68
2:8g:222:LEU:CG	2:9G:226:ILE:CG2	2.68	0.68
2:3i:230:VAL:C	2:4g:229:GLY:HA3	2.18	0.68
2:6j:38:ILE:HD13	2:6j:114:ARG:CZ	2.23	0.68
2:6k:227:GLY:O	2:7e:223:ARG:CZ	2.41	0.68
2:7h:62:ALA:CB	2:7h:110:LEU:O	2.41	0.68
2:7i:62:ALA:CB	2:7i:110:LEU:O	2.41	0.68
2:8k:173:LEU:CD1	2:9G:157:LEU:HD12	2.23	0.68
2:8l:110:LEU:HD13	2:8l:110:LEU:N	2.07	0.68
2:8m:210:LEU:HD22	2:9H:201:VAL:HG21	1.75	0.68
2:2n:193:LYS:HD3	2:3s:201:VAL:CA	2.23	0.68
2:2n:248:GLY:C	2:3s:280:SER:H	2.00	0.68
2:3n:163:THR:H	2:3n:166:ASN:HD22	1.39	0.68
2:4j:209:LEU:HD11	2:3t:225:MET:SD	2.34	0.68
2:5i:270:ILE:HG12	2:6o:251:VAL:HG21	1.75	0.68
2:6o:227:GLY:O	2:7j:223:ARG:CZ	2.41	0.68
2:6p:120:ILE:HD11	2:7m:120:ILE:HD11	1.60	0.68
2:7m:19:LEU:HD12	2:7m:41:TYR:CD2	2.20	0.68
2:7m:158[B]:ILE:HA	2:8v:154:ALA:HB1	1.76	0.68
2:8s:122:VAL:H	2:9I:127:ASP:CG	2.01	0.68
2:1s:116:LYS:C	2:1s:118:ILE:HD12	2.18	0.68
2:2q:222:LEU:HB2	2:3q:226:ILE:CG2	2.22	0.68
2:1w:98:ALA:CA	2:1w:110:LEU:CB	2.54	0.68
2:1w:281:LEU:CA	2:3w:250:ALA:HB2	2.24	0.68
2:2w:62:ALA:CB	2:2w:110:LEU:O	2.41	0.68
2:3x:38:ILE:HD13	2:3x:114:ARG:CZ	2.22	0.68
2:3x:116:LYS:C	2:3x:118:ILE:HD12	2.18	0.68
2:7w:158[B]:ILE:HA	2:9R:154:ALA:HB1	1.76	0.68
2:9J:19:LEU:HD12	2:9J:41:TYR:CD2	2.20	0.68
2:9J:62:ALA:CB	2:9J:110:LEU:O	2.41	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5E:288:THR:HG23	1:5E:288:THR:O	1.93	0.68
1:5L:444:GLY:HA2	2:5h:44:VAL:CG2	2.19	0.68
1:7H:26:ASN:OD1	2:8h:52:LEU:HG	1.92	0.68
1:9B:392:THR:HG23	2:9G:46:ASP:CG	2.17	0.68
1:8R:446:ALA:CB	2:8s:19:LEU:CD1	2.70	0.68
1:9C:406:GLY:C	2:9H:45:LYS:HE2	2.18	0.68
1:4X:443:SER:HA	2:4l:56:ASN:ND2	2.07	0.68
1:2V:444:GLY:HA2	2:2v:56:ASN:HD21	1.58	0.68
1:2Y:357:ASN:O	1:2Y:358:ILE:HG13	1.93	0.68
1:3a:443:SER:N	2:3x:45:LYS:HZ1	1.91	0.68
2:1e:239:THR:N	2:1l:247:LYS:HB3	2.08	0.68
2:1g:122:VAL:N	2:2x:127:ASP:OD1	2.22	0.68
2:1g:130:ASP:HB2	2:3g:139:ASN:O	1.93	0.68
2:2a:238:THR:O	2:3f:246:LYS:CA	2.40	0.68
2:2d:163:THR:H	2:2d:166:ASN:HD22	1.38	0.68
2:3g:280:SER:H	2:2x:248:GLY:C	2.00	0.68
2:5e:163:THR:H	2:5e:166:ASN:HD22	1.39	0.68
2:5f:222:LEU:CD1	2:6v:226:ILE:HG22	2.24	0.68
2:6e:58:TYR:HB3	2:8i:2:MET:HE1	1.75	0.68
2:7c:19:LEU:HD12	2:7c:41:TYR:CD2	2.20	0.68
2:7d:57:MET:HE3	2:8f:61:ALA:CB	2.22	0.68
2:8e:206:VAL:HG11	2:9F:210:LEU:C	2.17	0.68
2:1j:242:LEU:HB3	2:2f:244:GLY:HA3	1.73	0.68
2:2h:175:PHE:CE1	2:3p:175:PHE:HZ	2.09	0.68
2:6k:242:LEU:HD12	2:7e:234:LEU:O	1.92	0.68
2:8k:132:GLY:HA3	2:9G:136:LEU:C	2.18	0.68
2:8k:270:ILE:HD11	2:9G:269:LEU:HB3	1.72	0.68
2:8l:97:TYR:O	2:8l:110:LEU:CB	2.22	0.68
2:8m:209:LEU:HG	2:9H:206:VAL:CG2	2.20	0.68
2:1m:242:LEU:HD22	2:1t:245:VAL:CA	2.22	0.68
2:1o:229:GLY:HA3	2:3o:231:PRO:CB	2.23	0.68
2:2l:62:ALA:CB	2:2l:110:LEU:O	2.41	0.68
2:2m:175:PHE:CE1	2:3t:175:PHE:HZ	2.09	0.68
2:3m:209:LEU:O	2:4i:206:VAL:HG21	1.93	0.68
2:6n:116:LYS:C	2:6n:118:ILE:HD12	2.18	0.68
2:7m:251:VAL:CG2	2:8v:270:ILE:CG2	2.68	0.68
2:8q:175:PHE:HZ	2:9H:175:PHE:CE2	2.10	0.68
2:8s:116:LYS:C	2:8s:118:ILE:HD12	2.18	0.68
2:8u:38:ILE:HD13	2:8u:114:ARG:CZ	2.23	0.68
2:8u:163:THR:H	2:8u:166:ASN:HD22	1.39	0.68
2:1q:209:LEU:HG	2:2o:206:VAL:HG21	1.75	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1r:226:ILE:CD1	2:3r:226:ILE:HD13	2.21	0.68
2:1s:38:ILE:HD13	2:1s:114:ARG:CZ	2.23	0.68
2:1s:199:LEU:O	2:3s:193:LYS:HG2	1.93	0.68
2:2o:197:GLN:NE2	2:1x:201:VAL:HA	2.06	0.68
2:2p:280:SER:OG	2:3r:247:LYS:HE2	1.94	0.68
2:3r:38:ILE:HD13	2:3r:114:ARG:CZ	2.23	0.68
2:6r:244:GLY:C	2:7u:242:LEU:HD22	2.18	0.68
2:6s:242:LEU:HD12	2:7o:234:LEU:O	1.92	0.68
2:8z:228:ALA:CB	2:7x:228:ALA:CB	2.71	0.68
2:9K:38:ILE:HD13	2:9K:114:ARG:CZ	2.23	0.68
2:1u:98:ALA:CA	2:1u:110:LEU:CB	2.54	0.68
2:1w:200:LEU:C	2:3w:193:LYS:CD	2.66	0.68
2:4m:110:LEU:HD13	2:4m:110:LEU:N	2.07	0.68
2:6w:227:GLY:O	2:7t:223:ARG:NH1	2.26	0.68
2:7v:62:ALA:CB	2:7v:110:LEU:O	2.41	0.68
2:9M:227:GLY:CA	2:9J:219:LYS:NZ	2.54	0.68
1:3C:447:GLN:HE22	2:3h:56:ASN:HD22	0.77	0.68
1:5E:445:GLY:O	2:5e:44:VAL:CA	2.42	0.68
1:7J:297:LYS:HG2	1:7J:297:LYS:O	1.93	0.68
1:8G:444:GLY:HA3	2:8k:56:ASN:OD1	1.93	0.68
1:1O:443:SER:C	2:1o:45:LYS:NZ	2.51	0.68
1:5R:423:GLU:O	1:5R:424:ASP:C	2.35	0.68
1:7L:445:GLY:O	2:7l:44:VAL:N	2.20	0.68
1:7S:398:GLY:HA2	2:7o:106:GLN:CD	2.18	0.68
1:5d:392:THR:HG22	2:5n:107:LEU:HD11	1.74	0.68
1:6c:442:ALA:O	2:6v:45:LYS:NZ	2.25	0.68
1:7W:444:GLY:HA3	2:7u:45:LYS:CE	2.23	0.68
2:1h:148[B]:ILE:HD12	2:2t:148[B]:ILE:CD1	2.23	0.68
2:2Z:232:TYR:CD2	2:1l:232:TYR:CD1	2.81	0.68
2:2b:214:PRO:CD	2:3e:225:MET:CG	2.70	0.68
2:2c:226:ILE:C	2:3l:223:ARG:H	1.98	0.68
2:2c:226:ILE:O	2:3l:223:ARG:CB	2.40	0.68
2:4f:209:LEU:HD11	2:3l:225:MET:SD	2.34	0.68
2:5f:247:LYS:CB	2:6v:239:THR:HG23	2.23	0.68
2:7b:62:ALA:CB	2:7b:110:LEU:O	2.41	0.68
2:8e:173:LEU:CD1	2:9F:157:LEU:HD12	2.23	0.68
2:8j:163:THR:H	2:8j:166:ASN:HD22	1.39	0.68
2:1k:200:LEU:C	2:3k:193:LYS:CD	2.66	0.68
2:2f:62:ALA:CB	2:2f:110:LEU:O	2.41	0.68
2:2i:219:LYS:HG2	2:3o:226:ILE:CA	2.11	0.68
2:5g:116:LYS:C	2:5g:118:ILE:HD12	2.18	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:228:ALA:HA	2:7f:229:GLY:O	1.93	0.68
2:8k:174:LEU:HD23	2:9G:170:LEU:CB	2.23	0.68
2:8k:279:ILE:HA	2:9G:248:GLY:H	1.33	0.68
2:8n:228:ALA:CB	2:7n:228:ALA:CB	2.71	0.68
2:8p:163:THR:H	2:8p:166:ASN:HD22	1.39	0.68
2:1m:163:THR:H	2:1m:166:ASN:HD22	1.39	0.68
2:1m:234:LEU:HD21	2:2j:242:LEU:C	2.18	0.68
2:1o:183:PHE:CG	2:3o:183:PHE:HZ	2.11	0.68
2:2j:232:TYR:CD2	2:1t:232:TYR:CD1	2.81	0.68
2:5i:247:LYS:HB3	2:7j:239:THR:HA	1.74	0.68
2:6m:158[B]:ILE:CG2	2:8u:149[B]:ILE:HG23	2.24	0.68
2:6n:247:LYS:C	2:7p:239:THR:HG22	2.16	0.68
2:7m:76:ASN:OD1	2:8v:21:TYR:OH	2.08	0.68
2:8q:173:LEU:CD1	2:9H:157:LEU:HD12	2.23	0.68
2:8q:174:LEU:HD23	2:9H:170:LEU:CB	2.23	0.68
2:8t:228:ALA:CB	2:7s:228:ALA:CB	2.71	0.68
2:2p:239:THR:CG2	2:3r:247:LYS:CG	2.55	0.68
2:2q:62:ALA:CB	2:2q:110:LEU:O	2.41	0.68
2:2q:248:GLY:O	2:3q:280:SER:HB2	1.93	0.68
2:2s:127:ASP:OD1	2:1w:122:VAL:N	2.22	0.68
2:5k:244:GLY:C	2:7o:242:LEU:HD22	2.19	0.68
2:6q:258:ASP:C	2:9K:259:VAL:CG2	2.65	0.68
2:7r:183:PHE:CE2	2:9L:183:PHE:CD2	2.82	0.68
2:8w:270:ILE:CG2	2:9I:251:VAL:HG21	2.19	0.68
2:9K:163:THR:H	2:9K:166:ASN:HD22	1.39	0.68
2:2v:223:ARG:NH1	2:3u:227:GLY:C	2.50	0.68
2:6w:227:GLY:O	2:7t:223:ARG:CZ	2.41	0.68
2:7w:62:ALA:CB	2:7w:110:LEU:O	2.41	0.68
2:7w:148[B]:ILE:CD1	2:9R:148[B]:ILE:HD13	2.23	0.68
2:9M:278:ILE:HG23	2:9J:278:ILE:CB	2.17	0.68
2:9N:110:LEU:HD13	2:9N:110:LEU:N	2.07	0.68
1:1C:443:SER:C	2:1g:45:LYS:NZ	2.51	0.68
1:3E:228:GLN:OE1	1:3E:228:GLN:N	2.23	0.68
1:4A:200:ILE:HD12	1:4A:213:PHE:CD1	2.27	0.68
1:8C:448:ALA:O	2:8j:63:TRP:NE1	2.25	0.68
1:1I:447:GLN:HG3	2:1k:60:LEU:HD12	1.76	0.68
1:3G:110:TYR:CD2	1:3G:110:TYR:O	2.46	0.68
1:4N:203:PRO:CB	1:4N:212:GLU:CG	2.64	0.68
1:1V:228:GLN:OE1	1:1V:228:GLN:N	2.20	0.68
1:6d:445:GLY:N	2:6u:44:VAL:CG2	2.56	0.68
2:3e:269:LEU:HD11	2:4e:279:ILE:HD13	1.75	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:111:VAL:HG11	2:7Z:57:MET:HE1	1.76	0.68
2:6g:226:ILE:HG21	2:7Z:222:LEU:HD13	1.70	0.68
2:7c:251:VAL:CG2	2:8j:270:ILE:HG23	2.23	0.68
2:9F:202:SER:HB3	2:9O:193:LYS:HD2	1.76	0.68
2:1i:163:THR:H	2:1i:166:ASN:HD22	1.39	0.68
2:1k:279:ILE:CB	2:3k:249:ALA:O	2.34	0.68
2:2e:244:GLY:O	2:1p:242:LEU:CD2	2.42	0.68
2:2e:246:LYS:CD	2:1p:239:THR:O	2.40	0.68
2:3l:163:THR:H	2:3l:166:ASN:HD22	1.39	0.68
2:6k:242:LEU:HD11	2:7e:236:ALA:CA	2.22	0.68
2:6l:38:ILE:HD13	2:6l:114:ARG:CZ	2.23	0.68
2:7h:145:ARG:HG2	2:8p:148[A]:ILE:CG2	2.23	0.68
2:8o:98:ALA:CA	2:8o:110:LEU:CB	2.54	0.68
2:9G:62:ALA:CB	2:9G:110:LEU:O	2.41	0.68
2:1o:277:GLY:HA3	2:3o:247:LYS:HE3	1.75	0.68
2:2j:196:LEU:HB3	2:1t:200:LEU:HD22	1.76	0.68
2:2j:232:TYR:CE2	2:1t:232:TYR:OH	2.44	0.68
2:3m:232:TYR:CE2	2:4i:232:TYR:CZ	2.82	0.68
2:6m:41:TYR:OH	2:7q:111:VAL:HG11	1.94	0.68
2:6o:232:TYR:OH	2:7j:232:TYR:CE2	2.47	0.68
2:7m:183:PHE:CE2	2:8v:183:PHE:CD2	2.82	0.68
2:8s:263:VAL:HG22	2:8w:256:ALA:HB3	1.76	0.68
2:1q:116:LYS:C	2:1q:118:ILE:CD1	2.67	0.68
2:1q:200:LEU:HD11	2:2o:200:LEU:HD22	0.71	0.68
2:1s:281:LEU:CA	2:3s:250:ALA:HB2	2.24	0.68
2:2p:62:ALA:CB	2:2p:110:LEU:O	2.41	0.68
2:2s:193:LYS:HD3	2:3w:201:VAL:CA	2.23	0.68
2:3q:232:TYR:CE2	2:4k:232:TYR:CZ	2.82	0.68
2:3t:116:LYS:C	2:3t:118:ILE:HD12	2.18	0.68
2:7r:254:SER:CB	2:9L:267:ASN:OD1	2.40	0.68
2:7s:62:ALA:CB	2:7s:110:LEU:O	2.41	0.68
2:8w:242:LEU:HD22	2:9I:236:ALA:CB	2.23	0.68
2:1v:247:LYS:HB3	2:3v:239:THR:HA	0.72	0.68
2:5m:163:THR:H	2:5m:166:ASN:HD22	1.39	0.68
2:5m:278:ILE:CG2	2:6w:278:ILE:CD1	2.68	0.68
2:9M:174:LEU:HD23	2:9J:170:LEU:CB	2.23	0.68
2:9Q:163:THR:H	2:9Q:166:ASN:HD22	1.39	0.68
1:4D:137:GLN:HG3	1:4D:137:GLN:O	1.93	0.68
1:1K:203:PRO:HB3	1:1K:210:LEU:CA	2.23	0.68
1:3I:442:ALA:C	2:3l:45:LYS:HZ3	1.97	0.68
1:8K:444:GLY:O	2:8n:53:THR:OG1	2.10	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3M:110:TYR:CD2	1:3M:110:TYR:O	2.46	0.68
1:3M:420:ILE:O	1:3M:420:ILE:HG22	1.92	0.68
1:5N:397:THR:O	1:5N:397:THR:HG22	1.92	0.68
1:3S:110:TYR:CD2	1:3S:110:TYR:O	2.46	0.68
1:6d:444:GLY:C	2:6u:44:VAL:HG21	2.19	0.68
1:8b:446:ALA:HA	2:9Q:44:VAL:N	2.09	0.68
2:1e:248:GLY:N	2:2Z:239:THR:HG22	2.08	0.68
2:1f:242:LEU:CD2	2:2a:244:GLY:O	2.39	0.68
2:1g:199:LEU:O	2:3g:193:LYS:HG2	1.93	0.68
2:1g:263:VAL:HG22	2:3g:256:ALA:HB3	1.66	0.68
2:1g:281:LEU:CA	2:3g:250:ALA:HB2	2.24	0.68
2:2Z:62:ALA:CB	2:2Z:110:LEU:O	2.41	0.68
2:5e:116:LYS:C	2:5e:118:ILE:HD12	2.18	0.68
2:7c:183:PHE:CE2	2:8j:183:PHE:CD2	2.82	0.68
2:7d:114:ARG:HD2	2:9P:114:ARG:HB2	1.74	0.68
2:8i:163:THR:H	2:8i:166:ASN:HD22	1.39	0.68
2:9F:62:ALA:CB	2:9F:110:LEU:O	2.41	0.68
2:9F:280:SER:OG	2:9O:247:LYS:CE	2.41	0.68
2:2e:62:ALA:CB	2:2e:110:LEU:O	2.41	0.68
2:3i:232:TYR:CE2	2:4g:232:TYR:CZ	2.82	0.68
2:3j:163:THR:H	2:3j:166:ASN:HD22	1.39	0.68
2:6j:116:LYS:C	2:6j:118:ILE:HD12	2.18	0.68
2:6j:226:ILE:HG22	2:5j:222:LEU:CD1	2.24	0.68
2:7f:62:ALA:CB	2:7f:110:LEU:O	2.41	0.68
2:8m:245:VAL:N	2:9H:242:LEU:HA	2.09	0.68
2:9G:19:LEU:HD12	2:9G:41:TYR:CD2	2.20	0.68
2:1o:175:PHE:CE1	2:3o:184:LEU:HB3	2.29	0.68
2:2k:226:ILE:C	2:3n:223:ARG:CG	2.55	0.68
2:2n:219:LYS:HE3	2:3s:226:ILE:C	2.19	0.68
2:8t:239:THR:HG22	2:7s:247:LYS:HB3	1.76	0.68
2:8u:116:LYS:C	2:8u:118:ILE:HD12	2.18	0.68
2:1s:130:ASP:HB2	2:3s:139:ASN:O	1.93	0.68
2:2s:266:LEU:CA	2:3w:266:LEU:HD21	2.24	0.68
2:4l:234:LEU:HD21	2:3x:242:LEU:HD13	1.75	0.68
2:5k:38:ILE:HD13	2:5k:114:ARG:CZ	2.22	0.68
2:6q:158[A]:ILE:HG12	2:9K:158[A]:ILE:HD11	1.74	0.68
2:6s:176:SER:HB3	2:7o:167:LYS:CD	2.23	0.68
2:6s:232:TYR:OH	2:7o:232:TYR:CE2	2.47	0.68
2:1v:226:ILE:CG1	2:3v:226:ILE:CD1	2.71	0.68
2:2u:225:MET:O	2:3v:219:LYS:CG	2.29	0.68
1:3C:447:GLN:NE2	2:3h:44:VAL:HG21	2.05	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8B:444:GLY:O	2:8f:53:THR:OG1	2.12	0.68
1:7F:93:LEU:HD12	1:7F:93:LEU:C	2.18	0.68
1:5X:445:GLY:N	2:5l:43:ALA:HA	2.09	0.68
1:8V:228:GLN:OE1	1:8V:228:GLN:N	2.20	0.68
2:1e:110:LEU:HD13	2:1e:110:LEU:N	2.07	0.68
2:1e:116:LYS:C	2:1e:118:ILE:CD1	2.67	0.68
2:2Z:148[B]:ILE:CD1	2:1l:148[B]:ILE:HD12	2.23	0.68
2:2b:230:VAL:HG12	2:3e:227:GLY:O	1.94	0.68
2:3f:116:LYS:C	2:3f:118:ILE:HD12	2.18	0.68
2:6h:259:VAL:HG21	2:8j:258:ASP:HA	1.75	0.68
2:7Z:62:ALA:CB	2:7Z:110:LEU:O	2.41	0.68
2:1j:247:LYS:CE	2:3j:280:SER:OG	2.32	0.68
2:1k:237:ALA:CB	2:3k:246:LYS:C	2.64	0.68
2:2e:148[B]:ILE:CD1	2:1p:148[B]:ILE:HD12	2.23	0.68
2:2e:232:TYR:CD2	2:1p:232:TYR:CD1	2.82	0.68
2:2g:222:LEU:HB2	2:3i:226:ILE:CB	2.23	0.68
2:2h:57:MET:HE3	2:3p:61:ALA:HB1	1.74	0.68
2:2h:174:LEU:CD2	2:3p:174:LEU:HD11	2.21	0.68
2:6j:242:LEU:HB3	2:5j:244:GLY:CA	2.19	0.68
2:1m:116:LYS:C	2:1m:118:ILE:CD1	2.67	0.68
2:2k:239:THR:C	2:3n:246:LYS:CB	2.55	0.68
2:2k:280:SER:OG	2:3n:247:LYS:HE2	1.94	0.68
2:2m:57:MET:HE3	2:3t:61:ALA:HB1	1.74	0.68
2:2n:196:LEU:HB3	2:3s:200:LEU:CD2	2.24	0.68
2:2n:263:VAL:CG2	2:1s:256:ALA:HB3	2.23	0.68
2:5i:111:VAL:HG11	2:7j:57:MET:HE1	1.76	0.68
2:5i:116:LYS:C	2:5i:118:ILE:CD1	2.67	0.68
2:6o:242:LEU:HD11	2:7j:236:ALA:CA	2.22	0.68
2:6p:38:ILE:HD13	2:6p:114:ARG:CZ	2.23	0.68
2:7m:246:LYS:CA	2:8v:237:ALA:HB1	2.22	0.68
2:8q:132:GLY:HA3	2:9H:136:LEU:C	2.18	0.68
2:8r:163:THR:H	2:8r:166:ASN:HD22	1.39	0.68
2:8s:210:LEU:HD22	2:9I:201:VAL:HG21	1.76	0.68
2:9H:62:ALA:CB	2:9H:110:LEU:O	2.41	0.68
2:2q:222:LEU:HB2	2:3q:226:ILE:CB	2.23	0.68
2:2s:62:ALA:CB	2:2s:110:LEU:O	2.41	0.68
2:2s:263:VAL:CG2	2:1w:256:ALA:HB3	2.23	0.68
2:3r:98:ALA:CA	2:3r:110:LEU:CB	2.54	0.68
2:4k:110:LEU:HD13	2:4k:110:LEU:N	2.07	0.68
2:8y:270:ILE:HD13	2:9M:252:THR:C	2.19	0.68
2:9K:73:VAL:O	2:7v:23:GLN:HG3	1.94	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9K:116:LYS:C	2:9K:118:ILE:HD12	2.18	0.68
2:1u:116:LYS:C	2:1u:118:ILE:CD1	2.67	0.68
2:1w:149[B]:ILE:CG2	2:3w:158[B]:ILE:HG23	2.24	0.68
2:3u:209:LEU:O	2:4m:206:VAL:HG21	1.93	0.68
2:9Q:116:LYS:C	2:9Q:118:ILE:CD1	2.67	0.68
1:5B:397:THR:O	1:5B:397:THR:HG22	1.92	0.68
1:2J:357:ASN:O	1:2J:358:ILE:HG13	1.93	0.68
1:4G:245:GLU:OE1	1:4G:245:GLU:N	2.21	0.68
1:7L:447:GLN:HG3	2:7l:44:VAL:CG1	2.23	0.68
1:8M:447:GLN:CG	2:8q:44:VAL:CG1	2.60	0.68
1:8R:445:GLY:HA2	2:8s:45:LYS:N	2.09	0.68
1:2Q:444:GLY:HA2	2:2q:56:ASN:ND2	2.08	0.68
1:2T:447:GLN:O	2:2s:41:TYR:CD1	2.30	0.68
1:7T:297:LYS:HG2	1:7T:297:LYS:O	1.93	0.68
1:8W:445:GLY:O	2:8z:45:LYS:N	2.25	0.68
1:3a:202:GLU:CG	1:3a:343:SER:HB2	2.24	0.68
1:7X:28:GLN:NE2	2:6q:52:LEU:HD13	2.09	0.68
1:7Y:447:GLN:O	2:7w:42:VAL:CG1	2.39	0.68
2:1g:116:LYS:C	2:1g:118:ILE:CD1	2.67	0.68
2:1g:200:LEU:C	2:3g:193:LYS:CD	2.66	0.68
2:1h:200:LEU:HD22	2:2t:196:LEU:HB3	1.75	0.68
2:2c:62:ALA:CB	2:2c:110:LEU:O	2.41	0.68
2:2d:219:LYS:HE3	2:3k:226:ILE:C	2.19	0.68
2:5e:263:VAL:HG21	2:6g:256:ALA:CA	2.24	0.68
2:6g:176:SER:HB3	2:7Z:167:LYS:CD	2.24	0.68
2:8g:196:LEU:HB3	2:9G:200:LEU:HD23	1.76	0.68
2:8g:247:LYS:CE	2:9G:280:SER:OG	2.41	0.68
2:8i:116:LYS:C	2:8i:118:ILE:CD1	2.67	0.68
2:9F:127:ASP:CG	2:9O:122:VAL:H	2.01	0.68
2:1i:116:LYS:C	2:1i:118:ILE:CD1	2.67	0.68
2:1k:116:LYS:C	2:1k:118:ILE:CD1	2.67	0.68
2:1k:200:LEU:HA	2:3k:193:LYS:HG2	1.76	0.68
2:1k:206:VAL:HG21	2:3k:212:GLY:HA2	1.76	0.68
2:2f:280:SER:OG	2:3j:247:LYS:HE2	1.94	0.68
2:6j:239:THR:HG23	2:5j:247:LYS:CB	2.23	0.68
2:7g:62:ALA:CB	2:7g:110:LEU:O	2.41	0.68
2:7h:158[B]:ILE:HA	2:8p:154:ALA:HB1	1.76	0.68
2:7h:251:VAL:CG2	2:8p:270:ILE:HG23	2.23	0.68
2:8l:38:ILE:HD13	2:8l:114:ARG:CZ	2.23	0.68
2:8m:116:LYS:C	2:8m:118:ILE:CD1	2.67	0.68
2:2j:148[B]:ILE:CD1	2:1t:148[B]:ILE:HD12	2.23	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:234:LEU:HD23	2:3s:243:GLY:HA2	1.74	0.68
2:4j:247:LYS:CD	2:3t:239:THR:CA	2.19	0.68
2:7m:62:ALA:CB	2:7m:110:LEU:O	2.41	0.68
2:7n:19:LEU:HD12	2:7n:41:TYR:CD2	2.20	0.68
2:8q:270:ILE:HD11	2:9H:269:LEU:HB3	1.72	0.68
2:8s:196:LEU:HB3	2:9I:200:LEU:HD23	1.76	0.68
2:8s:210:LEU:CD2	2:9I:206:VAL:HG12	2.23	0.68
2:8u:116:LYS:C	2:8u:118:ILE:CD1	2.67	0.68
2:1r:238:THR:C	2:2p:247:LYS:H	2.01	0.68
2:1r:247:LYS:CG	2:3r:239:THR:HG22	2.21	0.68
2:1s:116:LYS:C	2:1s:118:ILE:CD1	2.67	0.68
2:5k:279:ILE:HD11	2:6s:251:VAL:HG13	1.67	0.68
2:6q:158[B]:ILE:CG2	2:9K:149[B]:ILE:HG23	2.24	0.68
2:6s:227:GLY:O	2:7o:223:ARG:CZ	2.41	0.68
2:1w:200:LEU:HA	2:3w:193:LYS:HG2	1.76	0.68
2:2v:222:LEU:HB2	2:3u:226:ILE:CB	2.23	0.68
2:5m:245:VAL:C	2:7t:242:LEU:HD21	2.16	0.68
2:5n:228:ALA:HA	2:7u:229:GLY:O	1.93	0.68
2:6u:256:ALA:O	2:9Q:259:VAL:HG12	1.93	0.68
2:6w:206:VAL:CG1	2:7t:210:LEU:HA	2.17	0.68
1:8I:448:ALA:C	2:8p:63:TRP:HE1	2.02	0.68
1:1a:392:THR:HG22	2:1w:107:LEU:HG	1.75	0.68
1:8d:443:SER:HA	2:9O:45:LYS:CE	2.16	0.68
2:1g:206:VAL:HG21	2:3g:212:GLY:HA2	1.76	0.68
2:1h:206:VAL:HG13	2:2t:210:LEU:HD23	1.74	0.68
2:1h:242:LEU:CD2	2:2t:244:GLY:O	2.42	0.68
2:2b:242:LEU:HB3	2:4e:244:GLY:HA3	1.75	0.68
2:2d:196:LEU:HB3	2:3k:200:LEU:CD2	2.24	0.68
2:2d:266:LEU:HD12	2:3k:266:LEU:HD13	1.73	0.68
2:3g:201:VAL:CA	2:2x:193:LYS:HD3	2.23	0.68
2:3g:266:LEU:HD21	2:2x:266:LEU:CA	2.24	0.68
2:3h:116:LYS:C	2:3h:118:ILE:CD1	2.67	0.68
2:4f:234:LEU:HD21	2:3l:242:LEU:HD13	1.75	0.68
2:4f:247:LYS:CD	2:3l:238:THR:C	2.64	0.68
2:5e:270:ILE:HG12	2:6g:251:VAL:HG21	1.75	0.68
2:5f:244:GLY:C	2:6v:242:LEU:HD23	2.14	0.68
2:6e:41:TYR:OH	2:7g:111:VAL:HG11	1.94	0.68
2:7a:242:LEU:HD22	2:6v:244:GLY:C	2.17	0.68
2:7c:158[B]:ILE:HA	2:8j:154:ALA:HB1	1.76	0.68
2:8e:279:ILE:HB	2:9F:272:VAL:HG12	1.76	0.68
2:8g:193:LYS:HD2	2:9G:202:SER:HB3	1.76	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1i:200:LEU:HD11	2:2e:200:LEU:HD22	0.71	0.68
2:2e:236:ALA:CA	2:1p:242:LEU:HD21	2.24	0.68
2:2f:241:THR:O	2:3j:245:VAL:O	2.12	0.68
2:2g:230:VAL:HG12	2:3i:227:GLY:O	1.94	0.68
2:4g:116:LYS:C	2:4g:118:ILE:CD1	2.67	0.68
2:4h:247:LYS:CD	2:3p:239:THR:N	2.56	0.68
2:5g:111:VAL:HG11	2:7e:57:MET:HE1	1.76	0.68
2:5g:269:LEU:HG	2:6k:269:LEU:CD2	2.19	0.68
2:6i:258:ASP:C	2:8o:259:VAL:CG2	2.65	0.68
2:6j:116:LYS:C	2:6j:118:ILE:CD1	2.67	0.68
2:6k:242:LEU:CD1	2:7e:236:ALA:CA	2.72	0.68
2:6l:116:LYS:C	2:6l:118:ILE:CD1	2.67	0.68
2:8k:279:ILE:HB	2:9G:272:VAL:HG12	1.76	0.68
2:8m:196:LEU:HB3	2:9H:200:LEU:HD23	1.76	0.68
2:8m:210:LEU:CD2	2:9H:206:VAL:HG12	2.23	0.68
2:8m:247:LYS:CE	2:9H:280:SER:OG	2.41	0.68
2:8m:263:VAL:HG23	2:8q:256:ALA:O	1.85	0.68
2:1m:28:ILE:CB	2:1t:73:VAL:HG11	2.24	0.68
2:2j:141:PRO:HB2	2:1t:150:GLU:OE1	1.92	0.68
2:5j:228:ALA:HA	2:7k:229:GLY:O	1.93	0.68
2:6n:111:VAL:CG2	2:7p:57:MET:CE	2.71	0.68
2:7m:251:VAL:CG2	2:8v:270:ILE:HG23	2.23	0.68
2:1q:28:ILE:CB	2:1x:73:VAL:HG11	2.24	0.68
2:1q:183:PHE:CE1	2:2o:199:LEU:HD12	2.27	0.68
2:1q:234:LEU:HD21	2:2o:242:LEU:C	2.18	0.68
2:1q:239:THR:N	2:1x:247:LYS:HB3	2.08	0.68
2:1s:279:ILE:CA	2:3s:248:GLY:CA	2.60	0.68
2:2o:148[B]:ILE:CD1	2:1x:148[B]:ILE:HD12	2.23	0.68
2:2r:226:ILE:O	2:3x:223:ARG:CG	2.35	0.68
2:3t:116:LYS:C	2:3t:118:ILE:CD1	2.67	0.68
2:6q:249:ALA:O	2:9K:279:ILE:CB	2.41	0.68
2:6q:256:ALA:O	2:9K:259:VAL:HG12	1.93	0.68
2:7o:62:ALA:CB	2:7o:110:LEU:O	2.41	0.68
2:8z:253:ALA:HA	2:9N:270:ILE:CD1	2.24	0.68
2:1u:209:LEU:HG	2:2t:206:VAL:HG21	1.75	0.68
2:1u:234:LEU:HD21	2:2t:242:LEU:C	2.18	0.68
2:2u:62:ALA:CB	2:2u:110:LEU:O	2.41	0.68
2:2v:242:LEU:HB3	2:4m:244:GLY:HA3	1.75	0.68
2:2x:62:ALA:CB	2:2x:110:LEU:O	2.41	0.68
2:5m:267:ASN:ND2	2:6w:254:SER:CA	2.52	0.68
2:6u:258:ASP:C	2:9Q:259:VAL:CG2	2.65	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:251:VAL:CG2	2:9R:270:ILE:HG23	2.23	0.68
2:7w:254:SER:CB	2:9R:267:ASN:OD1	2.40	0.68
2:7x:62:ALA:CB	2:7x:110:LEU:O	2.41	0.68
1:2A:392:THR:HA	2:2c:46:ASP:OD2	1.94	0.67
1:5L:422:THR:HG21	1:5L:427:LYS:CE	2.24	0.67
1:7H:447:GLN:O	2:7f:42:VAL:HG12	1.95	0.67
1:1P:448:ALA:C	2:1p:41:TYR:CD1	2.72	0.67
1:5R:422:THR:HG21	1:5R:427:LYS:CE	2.24	0.67
1:7L:447:GLN:HG2	2:7l:44:VAL:HG22	1.76	0.67
1:6T:405:SER:CB	2:6s:16:TYR:OH	2.39	0.67
1:6T:447:GLN:C	2:6s:41:TYR:HD1	2.03	0.67
1:8V:447:GLN:OE1	2:9K:44:VAL:HG21	1.94	0.67
2:1e:247:LYS:C	2:2Z:239:THR:CB	2.60	0.67
2:1h:206:VAL:CG1	2:2t:210:LEU:HA	2.13	0.67
2:2c:242:LEU:HD11	2:3l:235:PRO:O	0.86	0.67
2:2d:266:LEU:CA	2:3k:266:LEU:HD21	2.24	0.67
2:3g:226:ILE:C	2:2x:219:LYS:HE3	2.19	0.67
2:3h:225:MET:SD	2:4n:209:LEU:HD11	2.34	0.67
2:4e:116:LYS:C	2:4e:118:ILE:CD1	2.67	0.67
2:4e:116:LYS:C	2:4e:118:ILE:HD12	2.18	0.67
2:6e:247:LYS:CE	2:8i:277:GLY:CA	2.71	0.67
2:6e:249:ALA:O	2:8i:279:ILE:CB	2.41	0.67
2:6e:269:LEU:HD22	2:8i:269:LEU:CD2	2.13	0.67
2:6h:38:ILE:HD13	2:6h:114:ARG:CZ	2.23	0.67
2:7a:19:LEU:HD12	2:7a:41:TYR:CD2	2.20	0.67
2:7d:228:ALA:CB	2:9P:228:ALA:CB	2.71	0.67
2:8e:132:GLY:HA3	2:9F:136:LEU:C	2.18	0.67
2:8e:150:GLU:CG	2:9F:141:PRO:HB2	2.24	0.67
2:8g:245:VAL:N	2:9G:242:LEU:HA	2.09	0.67
2:1k:163:THR:H	2:1k:166:ASN:HD22	1.39	0.67
2:1k:281:LEU:CA	2:3k:250:ALA:HB2	2.24	0.67
2:3i:209:LEU:O	2:4g:206:VAL:HG21	1.93	0.67
2:6i:246:LYS:HG3	2:8o:242:LEU:CD2	2.25	0.67
2:6j:240:THR:CA	2:5j:246:LYS:HD3	2.24	0.67
2:7h:183:PHE:CE2	2:8p:183:PHE:CD2	2.82	0.67
2:8k:238:THR:O	2:9G:246:LYS:HB3	1.92	0.67
2:8m:270:ILE:HD13	2:8q:252:THR:C	2.19	0.67
2:1n:247:LYS:CG	2:3n:239:THR:HG22	2.22	0.67
2:2l:183:PHE:CZ	2:3m:196:LEU:HD22	2.27	0.67
2:3n:38:ILE:HD13	2:3n:114:ARG:CZ	2.23	0.67
2:4i:116:LYS:C	2:4i:118:ILE:CD1	2.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:148[B]:ILE:CD1	2:6o:148[B]:ILE:CD1	2.72	0.67
2:6n:116:LYS:C	2:6n:118:ILE:CD1	2.67	0.67
2:6o:239:THR:C	2:7j:246:LYS:CB	2.62	0.67
2:7j:62:ALA:CB	2:7j:110:LEU:O	2.41	0.67
2:8q:237:ALA:HB1	2:9H:245:VAL:O	1.05	0.67
2:8s:116:LYS:C	2:8s:118:ILE:CD1	2.67	0.67
2:1s:229:GLY:HA3	2:3s:231:PRO:CB	2.23	0.67
2:2p:57:MET:CE	2:3r:111:VAL:CG2	2.71	0.67
2:2r:201:VAL:CG1	2:3x:210:LEU:CD2	2.63	0.67
2:4k:116:LYS:C	2:4k:118:ILE:CD1	2.67	0.67
2:5k:116:LYS:C	2:5k:118:ILE:CD1	2.67	0.67
2:7q:62:ALA:CB	2:7q:110:LEU:O	2.41	0.67
2:8y:245:VAL:N	2:9J:242:LEU:HA	2.09	0.67
2:1w:154:ALA:HB1	2:3w:158[B]:ILE:HD13	1.75	0.67
2:1w:199:LEU:O	2:3w:193:LYS:HG2	1.93	0.67
2:1w:269:LEU:HG	2:3w:269:LEU:HD21	0.75	0.67
2:2u:241:THR:O	2:3v:245:VAL:O	2.13	0.67
2:6v:116:LYS:C	2:6v:118:ILE:CD1	2.67	0.67
2:6w:240:THR:O	2:7t:246:LYS:CE	2.34	0.67
2:6x:259:VAL:HG21	2:9R:258:ASP:HA	1.75	0.67
2:7w:183:PHE:CE2	2:9R:183:PHE:CD2	2.82	0.67
1:1E:203:PRO:HB3	1:1E:210:LEU:CA	2.23	0.67
1:7B:392:THR:CA	2:7b:46:ASP:OD2	2.42	0.67
1:3I:443:SER:C	2:3l:45:LYS:NZ	2.52	0.67
1:5H:397:THR:HG22	1:5H:397:THR:O	1.92	0.67
1:8L:443:SER:C	2:8m:45:LYS:NZ	2.42	0.67
1:1M:312:VAL:O	1:1M:312:VAL:HG13	1.91	0.67
1:4Q:447:GLN:OE1	2:4i:60:LEU:HD11	1.94	0.67
1:7M:392:THR:HB	2:7k:14:MET:HE2	1.75	0.67
1:3X:448:ALA:HA	2:3q:41:TYR:CD1	2.29	0.67
1:8V:444:GLY:N	2:9K:45:LYS:CD	2.43	0.67
1:4d:14:ILE:HG22	1:4d:14:ILE:O	1.93	0.67
2:1e:163:THR:H	2:1e:166:ASN:HD22	1.39	0.67
2:1h:229:GLY:HA3	2:2t:230:VAL:C	2.20	0.67
2:2a:241:THR:O	2:3f:245:VAL:O	2.13	0.67
2:2b:246:LYS:HD3	2:3e:239:THR:C	2.19	0.67
2:2b:248:GLY:O	2:3e:280:SER:HB2	1.93	0.67
2:3e:232:TYR:CE2	2:4e:232:TYR:CZ	2.82	0.67
2:3h:210:LEU:CD2	2:2w:201:VAL:CG1	2.63	0.67
2:5e:148[B]:ILE:CD1	2:6g:148[B]:ILE:CD1	2.72	0.67
2:6f:116:LYS:C	2:6f:118:ILE:CD1	2.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:222:LEU:HD13	2:7f:226:ILE:HG22	1.76	0.67
2:6h:116:LYS:C	2:6h:118:ILE:CD1	2.67	0.67
2:7a:226:ILE:O	2:6v:223:ARG:NH1	2.27	0.67
2:8e:183:PHE:CG	2:9F:183:PHE:CE2	2.83	0.67
2:8e:227:GLY:CA	2:9F:219:LYS:NZ	2.54	0.67
2:8f:116:LYS:C	2:8f:118:ILE:CD1	2.67	0.67
2:8g:116:LYS:C	2:8g:118:ILE:HD12	2.18	0.67
2:1j:238:THR:C	2:2f:247:LYS:H	2.01	0.67
2:1j:247:LYS:HD3	2:3j:239:THR:CG2	2.13	0.67
2:2g:62:ALA:CB	2:2g:110:LEU:O	2.41	0.67
2:2g:246:LYS:HD3	2:3i:239:THR:C	2.19	0.67
2:6i:158[B]:ILE:CG2	2:8o:149[B]:ILE:HG23	2.24	0.67
2:8k:174:LEU:CD2	2:9G:170:LEU:HD13	2.25	0.67
2:8k:232:TYR:CB	2:9G:232:TYR:HB2	2.21	0.67
2:8o:73:VAL:O	2:7l:23:GLN:HG3	1.94	0.67
2:1n:238:THR:C	2:2k:247:LYS:H	2.01	0.67
2:1o:154:ALA:HB1	2:3o:158[B]:ILE:HD13	1.75	0.67
2:1o:279:ILE:HG22	2:3o:248:GLY:HA3	1.77	0.67
2:1o:281:LEU:CA	2:3o:250:ALA:HB2	2.24	0.67
2:2j:223:ARG:HH11	2:1t:227:GLY:CA	2.08	0.67
2:2l:120:ILE:HD13	2:4i:120:ILE:HD11	0.74	0.67
2:2l:242:LEU:HB3	2:4i:244:GLY:HA3	1.75	0.67
2:2n:62:ALA:CB	2:2n:110:LEU:O	2.41	0.67
2:3p:116:LYS:C	2:3p:118:ILE:CD1	2.67	0.67
2:6n:247:LYS:N	2:7p:238:THR:C	2.43	0.67
2:6o:176:SER:HB3	2:7j:167:LYS:CD	2.24	0.67
2:7m:254:SER:CB	2:8v:267:ASN:ND2	2.56	0.67
2:1r:247:LYS:CE	2:3r:280:SER:OG	2.32	0.67
2:2o:244:GLY:O	2:1x:242:LEU:CD2	2.42	0.67
2:4l:209:LEU:HD11	2:3x:225:MET:SD	2.33	0.67
2:6r:227:GLY:O	2:5n:230:VAL:HG12	1.95	0.67
2:8w:132:GLY:HA3	2:9I:136:LEU:C	2.18	0.67
2:8w:175:PHE:CE1	2:9I:171:GLN:CD	2.71	0.67
2:8y:122:VAL:H	2:9J:127:ASP:CG	2.01	0.67
2:1v:163:THR:H	2:1v:166:ASN:HD22	1.39	0.67
2:1w:175:PHE:CE1	2:3w:184:LEU:HB3	2.29	0.67
2:2u:242:LEU:C	2:3v:234:LEU:CD2	2.58	0.67
2:2u:280:SER:OG	2:3v:247:LYS:HE2	1.94	0.67
2:6u:158[B]:ILE:HD11	2:9Q:158[B]:ILE:HD11	1.76	0.67
1:3C:442:ALA:O	2:3h:45:LYS:NZ	2.28	0.67
1:7A:93:LEU:HD12	1:7A:93:LEU:C	2.18	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3O:447:GLN:HB2	2:3p:42:VAL:CG1	2.25	0.67
1:3Q:228:GLN:OE1	1:3Q:228:GLN:N	2.23	0.67
1:3S:420:ILE:HG22	1:3S:420:ILE:O	1.92	0.67
1:5X:30:ASP:OD1	1:5X:30:ASP:O	2.13	0.67
1:5d:419:ASP:HB3	1:5d:425:LYS:NZ	2.07	0.67
1:6Z:443:SER:C	2:6w:56:ASN:HD22	1.97	0.67
2:1e:28:ILE:CB	2:1l:73:VAL:HG11	2.24	0.67
2:1e:246:LYS:CB	2:2Z:239:THR:O	2.42	0.67
2:2b:62:ALA:CB	2:2b:110:LEU:O	2.41	0.67
2:2b:242:LEU:CD2	2:4e:244:GLY:C	2.64	0.67
2:3g:200:LEU:CD2	2:2x:196:LEU:HB3	2.24	0.67
2:3g:263:VAL:HG22	2:2x:262:ALA:CB	2.25	0.67
2:3h:235:PRO:O	2:2w:242:LEU:HD11	0.86	0.67
2:3h:242:LEU:HD13	2:4n:234:LEU:HD21	1.75	0.67
2:5e:259:VAL:CG2	2:6g:258:ASP:HA	2.20	0.67
2:5f:228:ALA:HA	2:7a:229:GLY:O	1.93	0.67
2:6f:111:VAL:CG2	2:7f:57:MET:CE	2.71	0.67
2:8e:174:LEU:HD23	2:9F:170:LEU:CB	2.24	0.67
2:8f:270:ILE:CD1	2:9P:253:ALA:HA	2.24	0.67
2:8g:266:LEU:CG	2:8k:254:SER:HB3	2.25	0.67
2:1i:248:GLY:N	2:2e:239:THR:HG22	2.08	0.67
2:1k:149[B]:ILE:CG2	2:3k:158[B]:ILE:HG23	2.24	0.67
2:1k:279:ILE:CA	2:3k:248:GLY:CA	2.60	0.67
2:5g:244:GLY:C	2:7e:242:LEU:HD22	2.19	0.67
2:6i:41:TYR:OH	2:7l:111:VAL:HG11	1.94	0.67
2:6i:257:THR:O	2:8o:259:VAL:HG21	1.94	0.67
2:6j:223:ARG:NH1	2:7k:226:ILE:O	2.27	0.67
2:6k:176:SER:HB3	2:7e:167:LYS:CD	2.24	0.67
2:6k:232:TYR:OH	2:7e:232:TYR:CE2	2.47	0.67
2:8l:116:LYS:C	2:8l:118:ILE:CD1	2.67	0.67
2:9G:41:TYR:CE2	2:9G:42:VAL:O	2.48	0.67
2:2k:241:THR:O	2:3n:245:VAL:O	2.12	0.67
2:6o:242:LEU:HD12	2:7j:234:LEU:O	1.92	0.67
2:6o:243:GLY:CA	2:7j:234:LEU:CD2	2.71	0.67
2:6p:259:VAL:HG22	2:7m:259:VAL:HG22	1.75	0.67
2:8r:116:LYS:C	2:8r:118:ILE:CD1	2.67	0.67
2:8u:73:VAL:O	2:7q:23:GLN:HG3	1.94	0.67
2:1r:163:THR:H	2:1r:166:ASN:HD22	1.39	0.67
2:1s:175:PHE:CE1	2:3s:184:LEU:HB3	2.29	0.67
2:6s:242:LEU:CD1	2:7o:236:ALA:CA	2.72	0.67
2:6t:259:VAL:HG21	2:9L:258:ASP:HA	1.75	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7o:41:TYR:CE2	2:7o:42:VAL:O	2.48	0.67
2:1v:238:THR:C	2:2u:247:LYS:H	2.01	0.67
2:1w:206:VAL:HG21	2:3w:212:GLY:HA2	1.76	0.67
2:2v:214:PRO:HD2	2:3u:225:MET:HG3	1.76	0.67
2:2v:242:LEU:CD2	2:4m:244:GLY:C	2.64	0.67
2:5m:111:VAL:CB	2:7t:57:MET:HE2	2.23	0.67
2:6x:116:LYS:C	2:6x:118:ILE:HD12	2.18	0.67
2:7x:41:TYR:CE2	2:7x:42:VAL:O	2.48	0.67
2:9M:183:PHE:CG	2:9J:183:PHE:CE2	2.83	0.67
1:2E:357:ASN:O	1:2E:358:ILE:HG13	1.93	0.67
1:5E:28:GLN:OE1	1:5E:28:GLN:N	2.18	0.67
1:6E:448:ALA:O	2:6f:60:LEU:N	2.26	0.67
1:6F:447:GLN:N	2:6e:56:ASN:H	1.93	0.67
1:2H:28:GLN:HE22	2:4h:27:ILE:HD11	1.44	0.67
1:7L:444:GLY:CA	2:7l:45:LYS:HE3	2.23	0.67
1:7O:297:LYS:O	1:7O:297:LYS:HG2	1.93	0.67
1:8N:443:SER:HA	2:8r:45:LYS:NZ	2.09	0.67
1:8R:208:GLY:O	1:8R:212:GLU:CG	2.33	0.67
1:7T:28:GLN:HG3	2:5l:52:LEU:HD11	1.76	0.67
1:3b:443:SER:HA	2:3w:56:ASN:HD21	0.51	0.67
1:3d:448:ALA:HB2	2:3u:41:TYR:HE1	1.59	0.67
1:4c:448:ALA:C	2:4m:41:TYR:HD2	2.02	0.67
1:5d:30:ASP:OD1	1:5d:30:ASP:O	2.13	0.67
1:7Y:297:LYS:O	1:7Y:297:LYS:HG2	1.93	0.67
2:1g:175:PHE:CE1	2:3g:184:LEU:HB3	2.29	0.67
2:2Z:236:ALA:CA	2:1l:242:LEU:HD21	2.24	0.67
2:2Z:246:LYS:CD	2:1l:239:THR:O	2.40	0.67
2:2b:214:PRO:HD2	2:3e:225:MET:HG3	1.75	0.67
2:2c:41:TYR:CE2	2:2c:42:VAL:O	2.48	0.67
2:3f:116:LYS:C	2:3f:118:ILE:CD1	2.67	0.67
2:3h:116:LYS:C	2:3h:118:ILE:HD12	2.18	0.67
2:3h:184:LEU:CD2	2:2w:180:VAL:HG11	2.25	0.67
2:5e:244:GLY:C	2:7Z:242:LEU:HD22	2.19	0.67
2:6f:229:GLY:C	2:7f:229:GLY:H	1.97	0.67
2:6f:239:THR:HG23	2:5h:247:LYS:CB	2.23	0.67
2:6g:242:LEU:CD1	2:7Z:236:ALA:CA	2.72	0.67
2:7d:247:LYS:HB3	2:9P:239:THR:HG22	1.75	0.67
2:8e:200:LEU:CD2	2:9F:196:LEU:HB2	2.17	0.67
2:9F:201:VAL:HG21	2:9O:210:LEU:HD22	1.75	0.67
2:2i:41:TYR:CE2	2:2i:42:VAL:O	2.48	0.67
2:5g:116:LYS:C	2:5g:118:ILE:CD1	2.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:228:ALA:HB1	2:9H:228:ALA:CB	1.98	0.67
2:1m:98:ALA:CA	2:1m:110:LEU:CB	2.54	0.67
2:1o:199:LEU:O	2:3o:193:LYS:HG2	1.94	0.67
2:2j:236:ALA:CA	2:1t:242:LEU:HD21	2.24	0.67
2:2l:41:TYR:CE2	2:2l:42:VAL:O	2.48	0.67
2:2l:248:GLY:O	2:3m:280:SER:HB2	1.93	0.67
2:2m:242:LEU:HD11	2:3t:235:PRO:O	0.86	0.67
2:2n:266:LEU:CD1	2:3s:266:LEU:CD1	2.69	0.67
2:6m:58:TYR:HB3	2:8u:2:MET:HE1	1.75	0.67
2:7l:62:ALA:CB	2:7l:110:LEU:O	2.41	0.67
2:8q:279:ILE:HB	2:9H:272:VAL:HG12	1.76	0.67
2:8s:247:LYS:CE	2:9I:280:SER:OG	2.41	0.67
2:8t:254:SER:HB2	2:8x:266:LEU:HD21	1.76	0.67
2:2r:174:LEU:CD2	2:3x:174:LEU:HD11	2.21	0.67
2:5k:270:ILE:HG12	2:6s:251:VAL:HG21	1.75	0.67
2:6q:140:THR:CA	2:9K:131:THR:OG1	2.42	0.67
2:6s:226:ILE:CB	2:7o:222:LEU:CB	2.72	0.67
2:8x:116:LYS:C	2:8x:118:ILE:CD1	2.67	0.67
2:7v:41:TYR:CE2	2:7v:42:VAL:O	2.48	0.67
2:9M:244:GLY:H	2:9J:234:LEU:HD21	1.58	0.67
2:9N:116:LYS:C	2:9N:118:ILE:CD1	2.67	0.67
1:7C:26:ASN:OD1	2:9P:52:LEU:CG	2.43	0.67
1:8G:445:GLY:O	2:8k:44:VAL:HG22	1.90	0.67
1:4R:14:ILE:HG22	1:4R:14:ILE:O	1.93	0.67
1:6S:110:TYR:O	1:6S:110:TYR:CD2	2.48	0.67
1:7R:385:TRP:N	2:7p:106:GLN:NE2	2.43	0.67
1:8S:392:THR:CG2	2:8w:107:LEU:HD11	2.15	0.67
1:8V:447:GLN:CG	2:9K:44:VAL:HG21	2.24	0.67
1:8W:446:ALA:N	2:8z:44:VAL:HG22	2.09	0.67
1:2V:356:PRO:CD	1:2V:369:PHE:CD2	2.66	0.67
1:4c:209:ALA:HB1	1:4c:212:GLU:CD	2.20	0.67
2:1h:73:VAL:HG11	2:1u:28:ILE:CB	2.24	0.67
2:2Z:41:TYR:CE2	2:2Z:42:VAL:O	2.48	0.67
2:2Z:244:GLY:O	2:1l:242:LEU:CD2	2.42	0.67
2:2d:266:LEU:CD1	2:3k:266:LEU:CD1	2.69	0.67
2:3e:97:TYR:HH	2:4e:41:TYR:HH	1.40	0.67
2:5e:111:VAL:CB	2:7Z:57:MET:HE2	2.23	0.67
2:5e:116:LYS:C	2:5e:118:ILE:CD1	2.67	0.67
2:6e:250:ALA:HB2	2:8i:280:SER:O	1.95	0.67
2:6h:280:SER:O	2:8j:250:ALA:HA	1.93	0.67
2:7b:111:VAL:HG11	2:6u:41:TYR:OH	1.94	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:256:ALA:HB3	2:9O:263:VAL:HG22	1.76	0.67
2:8g:247:LYS:HG2	2:9G:239:THR:HG23	1.76	0.67
2:1i:247:LYS:C	2:2e:239:THR:CB	2.60	0.67
2:2f:239:THR:C	2:3j:246:LYS:CB	2.55	0.67
2:2h:242:LEU:HD11	2:3p:235:PRO:O	0.87	0.67
2:6l:219:LYS:HG2	2:7h:226:ILE:HA	1.77	0.67
2:1m:247:LYS:HG2	2:2j:239:THR:HG23	1.06	0.67
2:1o:116:LYS:C	2:1o:118:ILE:CD1	2.67	0.67
2:2l:210:LEU:HA	2:3m:206:VAL:CG1	2.11	0.67
2:2l:230:VAL:HG12	2:3m:227:GLY:O	1.94	0.67
2:2n:41:TYR:CE2	2:2n:42:VAL:O	2.48	0.67
2:6p:41:TYR:CE2	2:6p:57:MET:HE3	2.30	0.67
2:8q:150:GLU:CG	2:9H:141:PRO:HB2	2.24	0.67
2:8r:41:TYR:CE2	2:8r:57:MET:HE3	2.30	0.67
2:8u:41:TYR:CE2	2:8u:57:MET:HE3	2.30	0.67
2:3q:246:LYS:HD3	2:4k:240:THR:C	2.20	0.67
2:5k:111:VAL:CB	2:7o:57:MET:HE2	2.23	0.67
2:5l:228:ALA:HA	2:7p:229:GLY:O	1.93	0.67
2:7r:41:TYR:CE2	2:7r:42:VAL:O	2.48	0.67
2:8y:193:LYS:HD2	2:9J:202:SER:HB3	1.76	0.67
2:8y:263:VAL:HG22	2:9M:256:ALA:HB3	1.76	0.67
2:8y:266:LEU:CG	2:9M:254:SER:HB3	2.25	0.67
2:3u:232:TYR:CE2	2:4m:232:TYR:CZ	2.82	0.67
2:3x:116:LYS:C	2:3x:118:ILE:CD1	2.67	0.67
2:6u:158[B]:ILE:CG2	2:9Q:149[B]:ILE:HG23	2.24	0.67
1:4E:228:GLN:OE1	1:4E:228:GLN:N	2.21	0.67
1:9A:448:ALA:C	2:9F:41:TYR:HD1	2.02	0.67
1:3K:228:GLN:OE1	1:3K:228:GLN:N	2.23	0.67
1:4G:200:ILE:HD12	1:4G:213:PHE:CD1	2.27	0.67
1:4K:209:ALA:HB1	1:4K:212:GLU:CD	2.20	0.67
1:7K:444:GLY:HA3	2:7n:45:LYS:CE	2.20	0.67
1:1a:444:GLY:N	2:1w:45:LYS:HZ2	1.92	0.67
1:1c:203:PRO:HB3	1:1c:210:LEU:CA	2.23	0.67
1:5d:422:THR:HG21	1:5d:427:LYS:CE	2.24	0.67
1:8Y:446:ALA:HB3	2:9M:55:VAL:CG1	2.25	0.67
2:1g:200:LEU:HA	2:3g:193:LYS:HG2	1.76	0.67
2:1g:281:LEU:CA	2:3g:250:ALA:CB	2.73	0.67
2:6e:158[B]:ILE:HD11	2:8i:158[B]:ILE:HD11	1.76	0.67
2:6e:158[B]:ILE:CG2	2:8i:149[B]:ILE:HG23	2.24	0.67
2:6e:258:ASP:C	2:8i:259:VAL:CG2	2.65	0.67
2:6f:227:GLY:O	2:5h:230:VAL:HG12	1.95	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7Z:41:TYR:CE2	2:7Z:42:VAL:O	2.48	0.67
2:8i:41:TYR:CE2	2:8i:57:MET:HE3	2.30	0.67
2:9F:226:ILE:HG13	2:9O:223:ARG:HG2	1.76	0.67
2:9F:280:SER:OG	2:9O:247:LYS:CG	2.43	0.67
2:2e:41:TYR:CE2	2:2e:42:VAL:O	2.48	0.67
2:2g:248:GLY:O	2:3i:280:SER:HB2	1.93	0.67
2:3l:41:TYR:CE2	2:3l:57:MET:HE3	2.30	0.67
2:6i:250:ALA:HB2	2:8o:280:SER:O	1.95	0.67
2:6j:222:LEU:HD13	2:7k:226:ILE:HG22	1.76	0.67
2:7h:41:TYR:CE2	2:7h:42:VAL:O	2.48	0.67
2:1m:41:TYR:CE2	2:1m:57:MET:HE3	2.30	0.67
2:1o:200:LEU:HA	2:3o:193:LYS:HG2	1.76	0.67
2:1o:206:VAL:HG21	2:3o:212:GLY:HA2	1.76	0.67
2:1o:245:VAL:CG1	2:3o:245:VAL:HG21	2.21	0.67
2:2j:214:PRO:CD	2:1t:225:MET:CG	2.73	0.67
2:2l:222:LEU:HB2	2:3m:226:ILE:CB	2.23	0.67
2:2m:174:LEU:CD2	2:3t:174:LEU:HD11	2.21	0.67
2:2n:266:LEU:CA	2:3s:266:LEU:HD21	2.24	0.67
2:3n:41:TYR:CE2	2:3n:57:MET:HE3	2.30	0.67
2:5i:244:GLY:C	2:7j:242:LEU:HD22	2.19	0.67
2:6m:249:ALA:O	2:8u:279:ILE:CB	2.41	0.67
2:6n:239:THR:HG23	2:5l:247:LYS:CB	2.23	0.67
2:6o:242:LEU:CD1	2:7j:236:ALA:CA	2.72	0.67
2:7j:41:TYR:CE2	2:7j:42:VAL:O	2.48	0.67
2:8t:253:ALA:HA	2:8x:270:ILE:CD1	2.24	0.67
2:2o:214:PRO:CD	2:1x:225:MET:CG	2.73	0.67
2:2p:41:TYR:CE2	2:2p:42:VAL:O	2.48	0.67
2:2s:219:LYS:HE3	2:3w:226:ILE:C	2.19	0.67
2:3q:232:TYR:CD2	2:4k:232:TYR:CD1	2.83	0.67
2:6q:41:TYR:OH	2:7v:111:VAL:HG11	1.94	0.67
2:6r:116:LYS:C	2:6r:118:ILE:CD1	2.67	0.67
2:6r:226:ILE:HG22	2:5n:222:LEU:CD1	2.24	0.67
2:6t:41:TYR:CE2	2:6t:57:MET:HE3	2.30	0.67
2:8y:41:TYR:CE2	2:8y:57:MET:HE3	2.30	0.67
2:8y:196:LEU:HB3	2:9J:200:LEU:HD23	1.76	0.67
2:2v:41:TYR:CE2	2:2v:42:VAL:O	2.48	0.67
2:2w:41:TYR:CE2	2:2w:42:VAL:O	2.48	0.67
2:2x:41:TYR:CE2	2:2x:42:VAL:O	2.48	0.67
2:3u:246:LYS:HD3	2:4m:240:THR:C	2.20	0.67
2:4m:116:LYS:C	2:4m:118:ILE:CD1	2.67	0.67
2:5m:41:TYR:CE2	2:5m:57:MET:HE3	2.30	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5m:111:VAL:HG11	2:7t:57:MET:HE1	1.76	0.67
2:5m:148[B]:ILE:CD1	2:6w:148[B]:ILE:CD1	2.72	0.67
2:6u:119:SER:HB3	2:9Q:126:LYS:CG	2.24	0.67
2:6u:246:LYS:HG3	2:9Q:242:LEU:CD2	2.25	0.67
2:6u:247:LYS:CE	2:9Q:277:GLY:CA	2.71	0.67
2:6w:232:TYR:OH	2:7t:232:TYR:CE2	2.47	0.67
2:6x:116:LYS:C	2:6x:118:ILE:CD1	2.67	0.67
2:7t:62:ALA:CB	2:7t:110:LEU:O	2.41	0.67
2:9M:242:LEU:HD22	2:9J:236:ALA:CB	2.23	0.67
1:5K:288:THR:O	1:5K:288:THR:HG23	1.93	0.67
1:1M:446:ALA:HB2	2:1m:19:LEU:CD1	2.24	0.67
1:4R:443:SER:CB	2:4j:44:VAL:HG21	2.19	0.67
1:5Q:288:THR:HG23	1:5Q:288:THR:O	1.93	0.67
1:7L:447:GLN:CG	2:7l:44:VAL:HG11	2.24	0.67
1:5W:288:THR:O	1:5W:288:THR:HG23	1.93	0.67
1:6W:443:SER:C	2:6r:45:LYS:NZ	2.53	0.67
1:7S:405:SER:O	2:7o:45:LYS:HA	1.94	0.67
1:8V:447:GLN:CD	2:9K:44:VAL:HG22	2.20	0.67
1:4d:447:GLN:CG	2:4n:44:VAL:HG12	2.25	0.67
1:5c:445:GLY:C	2:5m:44:VAL:HG23	2.20	0.67
2:1g:149[B]:ILE:CG2	2:3g:158[B]:ILE:HG23	2.24	0.67
2:1h:225:MET:CG	2:2t:214:PRO:CD	2.73	0.67
2:2a:227:GLY:N	2:3f:223:ARG:HH11	1.93	0.67
2:2c:180:VAL:HG11	2:3l:184:LEU:CD2	2.25	0.67
2:5f:214:PRO:HG3	2:6v:225:MET:HG2	1.77	0.67
2:6h:219:LYS:HG2	2:7c:226:ILE:HA	1.77	0.67
2:7d:41:TYR:CE2	2:7d:42:VAL:O	2.48	0.67
2:8g:116:LYS:C	2:8g:118:ILE:CD1	2.67	0.67
2:8h:228:ALA:CB	2:7i:228:ALA:CB	2.71	0.67
2:8i:73:VAL:O	2:7g:23:GLN:HG3	1.94	0.67
2:1k:154:ALA:HB1	2:3k:158[B]:ILE:HD13	1.75	0.67
2:1k:266:LEU:CD2	2:3k:265:ASP:CA	2.46	0.67
2:1k:281:LEU:CA	2:3k:250:ALA:CB	2.73	0.67
2:2i:266:LEU:CA	2:3o:266:LEU:HD21	2.24	0.67
2:3l:116:LYS:C	2:3l:118:ILE:CD1	2.67	0.67
2:6i:247:LYS:CE	2:8o:277:GLY:CA	2.71	0.67
2:6j:226:ILE:CG2	2:5j:222:LEU:CB	2.73	0.67
2:8k:175:PHE:CE1	2:9G:171:GLN:CD	2.71	0.67
2:1o:279:ILE:CA	2:3o:248:GLY:CA	2.60	0.67
2:2j:210:LEU:HA	2:1t:206:VAL:CG1	2.13	0.67
2:3n:116:LYS:C	2:3n:118:ILE:CD1	2.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:119:SER:HB3	2:8u:126:LYS:CG	2.24	0.67
2:6m:158[B]:ILE:HD11	2:8u:158[B]:ILE:HD11	1.76	0.67
2:6n:223:ARG:NH1	2:7p:226:ILE:O	2.27	0.67
2:6p:280:SER:O	2:8v:250:ALA:HA	1.93	0.67
2:8s:270:ILE:HD13	2:8w:252:THR:C	2.19	0.67
2:8v:163:THR:H	2:8v:166:ASN:HD22	1.39	0.67
2:1s:200:LEU:C	2:3s:193:LYS:CD	2.66	0.67
2:2p:241:THR:O	2:3r:245:VAL:O	2.13	0.67
2:2q:41:TYR:CE2	2:2q:42:VAL:O	2.48	0.67
2:2r:41:TYR:CE2	2:2r:42:VAL:O	2.48	0.67
2:2s:158[B]:ILE:HD12	2:3w:154:ALA:HB1	1.77	0.67
2:4k:98:ALA:CA	2:4k:110:LEU:CB	2.54	0.67
2:5k:41:TYR:CE2	2:5k:57:MET:HE3	2.30	0.67
2:8w:237:ALA:HB1	2:9I:245:VAL:O	1.05	0.67
2:8w:278:ILE:HG23	2:9I:278:ILE:CB	2.16	0.67
2:8z:239:THR:HG22	2:7x:247:LYS:HB3	1.76	0.67
2:8z:254:SER:HB2	2:9N:266:LEU:HD21	1.76	0.67
2:1w:281:LEU:CA	2:3w:250:ALA:CB	2.73	0.67
2:2u:19:LEU:HD12	2:2u:41:TYR:CD2	2.20	0.67
2:3v:116:LYS:C	2:3v:118:ILE:CD1	2.67	0.67
2:7u:41:TYR:CE2	2:7u:42:VAL:O	2.48	0.67
2:9M:132:GLY:HA3	2:9J:136:LEU:C	2.18	0.67
2:9J:41:TYR:CE2	2:9J:42:VAL:O	2.48	0.67
1:3A:420:ILE:O	1:3A:420:ILE:HG22	1.92	0.67
1:5F:30:ASP:OD1	1:5F:30:ASP:O	2.13	0.67
1:1J:448:ALA:C	2:1I:41:TYR:HE1	2.00	0.67
1:4L:445:GLY:H	2:4h:44:VAL:CG2	2.03	0.67
1:4M:200:ILE:CD1	1:4M:213:PHE:CD1	2.78	0.67
1:4Q:209:ALA:HB1	1:4Q:212:GLU:CD	2.20	0.67
1:6M:110:TYR:CD2	1:6M:110:TYR:O	2.48	0.67
1:8R:446:ALA:HB2	2:8s:19:LEU:CD1	2.23	0.67
1:4W:209:ALA:HB1	1:4W:212:GLU:CD	2.20	0.67
1:5W:445:GLY:HA2	2:5k:45:LYS:N	2.10	0.67
1:5W:448:ALA:O	2:5k:63:TRP:CZ2	2.48	0.67
1:5d:446:ALA:CA	2:5n:56:ASN:H	2.06	0.67
2:1h:124:ASP:O	2:2t:119:SER:CA	2.43	0.67
2:2a:240:THR:O	2:3f:246:LYS:CE	2.41	0.67
2:2c:175:PHE:CE1	2:3I:175:PHE:HZ	2.09	0.67
2:2d:232:TYR:CE2	2:3k:232:TYR:CZ	2.79	0.67
2:5f:230:VAL:HG12	2:6v:227:GLY:O	1.95	0.67
2:7b:120:ILE:HD13	2:9Q:120:ILE:HD11	0.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:148[B]:ILE:CD1	2:8j:148[B]:ILE:HD13	2.23	0.67
2:8g:263:VAL:HG22	2:8k:256:ALA:HB3	1.76	0.67
2:9F:242:LEU:HA	2:9O:245:VAL:N	2.09	0.67
2:1i:28:ILE:CB	2:1p:73:VAL:HG11	2.24	0.67
2:1i:111:VAL:CG2	2:2e:57:MET:HE2	2.24	0.67
2:3j:41:TYR:CE2	2:3j:57:MET:HE3	2.30	0.67
2:4g:41:TYR:CE2	2:4g:57:MET:HE3	2.30	0.67
2:5g:148[B]:ILE:CD1	2:6k:148[B]:ILE:CD1	2.72	0.67
2:6i:119:SER:HB3	2:8o:126:LYS:CG	2.24	0.67
2:7g:41:TYR:CE2	2:7g:42:VAL:O	2.48	0.67
2:2n:219:LYS:CG	2:3s:226:ILE:HA	2.11	0.67
2:6m:140:THR:CA	2:8u:131:THR:OG1	2.42	0.67
2:8s:247:LYS:CG	2:9I:280:SER:OG	2.43	0.67
2:1q:163:THR:H	2:1q:166:ASN:HD22	1.39	0.67
2:1s:154:ALA:HB1	2:3s:158[B]:ILE:HD13	1.75	0.67
2:1s:279:ILE:HG22	2:3s:248:GLY:HA3	1.77	0.67
2:2o:223:ARG:HH11	2:1x:227:GLY:CA	2.08	0.67
2:2p:242:LEU:HD12	2:3r:235:PRO:C	2.12	0.67
2:2s:196:LEU:HB3	2:3w:200:LEU:CD2	2.24	0.67
2:3q:269:LEU:HD11	2:4k:279:ILE:HD13	1.75	0.67
2:6r:41:TYR:CE2	2:6r:57:MET:HE3	2.30	0.67
2:9I:41:TYR:CE2	2:9I:42:VAL:O	2.48	0.67
2:1v:247:LYS:HE2	2:3v:280:SER:HG	1.57	0.67
2:2w:148[B]:ILE:CD1	2:4n:148[B]:ILE:CD1	2.73	0.67
2:6x:41:TYR:CE2	2:6x:57:MET:HE3	2.30	0.67
2:7t:41:TYR:CE2	2:7t:42:VAL:O	2.48	0.67
2:9M:279:ILE:HB	2:9J:272:VAL:HG12	1.76	0.67
1:7N:447:GLN:O	2:7j:55:VAL:HG13	1.95	0.67
1:8M:445:GLY:C	2:8q:44:VAL:HG22	2.18	0.67
1:1b:444:GLY:CA	2:1x:44:VAL:HG21	2.24	0.67
2:2b:223:ARG:CZ	2:3e:227:GLY:O	2.43	0.67
2:2c:148[B]:ILE:CD1	2:4f:148[B]:ILE:CD1	2.73	0.67
2:3f:41:TYR:CE2	2:3f:57:MET:HE3	2.30	0.67
2:3h:175:PHE:HZ	2:2w:175:PHE:CE1	2.09	0.67
2:4e:41:TYR:CE2	2:4e:57:MET:HE3	2.30	0.67
2:6f:225:MET:HG2	2:5h:214:PRO:HG3	1.77	0.67
2:7a:41:TYR:CE2	2:7a:42:VAL:O	2.48	0.67
2:8i:120:ILE:HD11	2:7g:120:ILE:HD13	0.67	0.67
2:1i:242:LEU:HD22	2:1p:245:VAL:CA	2.22	0.67
2:1k:41:TYR:CE2	2:1k:57:MET:HE3	2.30	0.67
2:1k:175:PHE:CE1	2:3k:184:LEU:HB3	2.29	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2e:193:LYS:HD2	2:1p:202:SER:HB3	1.77	0.67
2:2e:244:GLY:CA	2:1p:243:GLY:N	2.48	0.67
2:2f:41:TYR:CE2	2:2f:42:VAL:O	2.48	0.67
2:2f:240:THR:O	2:3j:246:LYS:CE	2.41	0.67
2:3j:116:LYS:C	2:3j:118:ILE:CD1	2.67	0.67
2:6j:247:LYS:N	2:7k:238:THR:C	2.43	0.67
2:7f:41:TYR:CE2	2:7f:42:VAL:O	2.48	0.67
2:8m:193:LYS:HD2	2:9H:202:SER:HB3	1.76	0.67
2:8n:253:ALA:HA	2:8r:270:ILE:CD1	2.24	0.67
2:2j:193:LYS:HD2	2:1t:202:SER:HB3	1.77	0.67
2:2k:41:TYR:CE2	2:2k:42:VAL:O	2.48	0.67
2:2l:210:LEU:HD23	2:3m:206:VAL:HG13	1.75	0.67
2:2l:246:LYS:HD3	2:3m:239:THR:C	2.19	0.67
2:5i:234:LEU:HD12	2:6o:234:LEU:HD22	1.77	0.67
2:6n:227:GLY:O	2:5l:230:VAL:HG12	1.95	0.67
2:7j:19:LEU:HD12	2:7j:41:TYR:CD2	2.20	0.67
2:7m:41:TYR:CE2	2:7m:42:VAL:O	2.48	0.67
2:8q:183:PHE:CG	2:9H:183:PHE:CE2	2.83	0.67
2:8s:193:LYS:HD2	2:9I:202:SER:HB3	1.76	0.67
2:2o:196:LEU:HB3	2:1x:200:LEU:HD22	1.76	0.67
2:2p:206:VAL:HG21	2:3r:209:LEU:C	2.20	0.67
2:2p:242:LEU:C	2:3r:234:LEU:CD2	2.58	0.67
2:2q:210:LEU:CD2	2:3q:206:VAL:CG1	2.67	0.67
2:7s:41:TYR:CE2	2:7s:42:VAL:O	2.48	0.67
2:8y:210:LEU:HD22	2:9J:201:VAL:HG21	1.75	0.67
2:8y:222:LEU:HB3	2:9J:226:ILE:CB	2.18	0.67
2:9K:120:ILE:HD11	2:7v:120:ILE:HD13	0.67	0.67
2:1u:111:VAL:CG2	2:2t:57:MET:HE2	2.24	0.67
2:1w:116:LYS:C	2:1w:118:ILE:CD1	2.67	0.67
2:1w:245:VAL:CG1	2:3w:245:VAL:HG21	2.21	0.67
2:2t:41:TYR:CE2	2:2t:42:VAL:O	2.48	0.67
2:5m:116:LYS:C	2:5m:118:ILE:CD1	2.67	0.67
2:6w:242:LEU:CD1	2:7t:236:ALA:CA	2.72	0.67
1:1D:448:ALA:C	2:1h:41:TYR:CE1	2.73	0.67
1:4E:209:ALA:HB1	1:4E:212:GLU:CD	2.20	0.67
1:6G:110:TYR:CD2	1:6G:110:TYR:O	2.48	0.67
1:8H:447:GLN:CG	2:8l:44:VAL:HG22	2.21	0.67
1:7K:444:GLY:H	2:7n:45:LYS:HZ2	1.42	0.67
1:7L:447:GLN:HB2	2:7l:42:VAL:HG13	1.75	0.67
1:7O:28:GLN:CG	2:5j:52:LEU:CD1	2.73	0.67
1:2P:314:ASN:OD1	1:2P:314:ASN:C	2.36	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5X:422:THR:HG21	1:5X:427:LYS:CE	2.24	0.67
1:1a:445:GLY:HA2	2:1w:54:GLN:O	1.95	0.67
2:1g:279:ILE:CA	2:3g:248:GLY:HA3	2.25	0.67
2:1h:247:LYS:HB3	2:1u:239:THR:N	2.09	0.67
2:5e:245:VAL:C	2:7Z:242:LEU:HD21	2.16	0.67
2:6e:140:THR:CA	2:8i:131:THR:OG1	2.42	0.67
2:6g:240:THR:O	2:7Z:246:LYS:CE	2.34	0.67
2:8e:278:ILE:HG22	2:9F:278:ILE:HG21	1.57	0.67
2:8g:223:ARG:CA	2:9G:226:ILE:HD12	2.25	0.67
2:2e:223:ARG:HH11	2:1p:227:GLY:CA	2.08	0.67
2:2g:41:TYR:CE2	2:2g:42:VAL:O	2.48	0.67
2:2g:214:PRO:HD2	2:3i:225:MET:HG3	1.76	0.67
2:2h:41:TYR:CE2	2:2h:42:VAL:O	2.48	0.67
2:2i:219:LYS:HE3	2:3o:226:ILE:C	2.19	0.67
2:8o:41:TYR:CE2	2:8o:57:MET:HE3	2.30	0.67
2:1o:266:LEU:HD11	2:3o:266:LEU:CA	1.99	0.67
2:2l:214:PRO:HD2	2:3m:225:MET:HG3	1.75	0.67
2:6n:226:ILE:CG2	2:5l:222:LEU:CB	2.73	0.67
2:6o:228:ALA:CB	2:7j:223:ARG:HG2	2.25	0.67
2:7l:41:TYR:CE2	2:7l:42:VAL:O	2.48	0.67
2:8q:270:ILE:H	2:9H:269:LEU:CD2	2.08	0.67
2:8s:263:VAL:HG23	2:8w:256:ALA:O	1.85	0.67
2:1r:239:THR:N	2:2p:247:LYS:HB3	2.10	0.67
2:1s:206:VAL:HG21	2:3s:212:GLY:HA2	1.76	0.67
2:2o:119:SER:CA	2:1x:124:ASP:O	2.43	0.67
2:6s:226:ILE:HD12	2:7o:222:LEU:C	2.20	0.67
2:6t:116:LYS:C	2:6t:118:ILE:CD1	2.67	0.67
2:7q:41:TYR:CE2	2:7q:42:VAL:O	2.48	0.67
2:7r:158[B]:ILE:HA	2:9L:154:ALA:HB1	1.76	0.67
2:8y:116:LYS:C	2:8y:118:ILE:CD1	2.67	0.67
2:2v:223:ARG:CZ	2:3u:227:GLY:O	2.43	0.67
2:2v:230:VAL:HG12	2:3u:227:GLY:O	1.94	0.67
2:2v:246:LYS:HD3	2:3u:239:THR:C	2.19	0.67
2:5m:244:GLY:C	2:7t:242:LEU:HD22	2.19	0.67
2:6u:250:ALA:HB2	2:9Q:280:SER:O	1.95	0.67
1:1E:203:PRO:HA	1:1E:209:ALA:HB1	1.77	0.66
1:3C:443:SER:N	2:3h:45:LYS:HZ1	1.93	0.66
1:7C:393:GLY:HA3	2:7a:15:ALA:HB3	1.77	0.66
1:1I:444:GLY:H	2:1k:45:LYS:NZ	1.74	0.66
1:8I:445:GLY:CA	2:8p:45:LYS:HG2	2.22	0.66
1:1P:443:SER:CA	2:1p:56:ASN:HD21	2.03	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1U:228:GLN:OE1	1:1U:228:GLN:N	2.22	0.66
1:5U:28:GLN:OE1	1:5U:28:GLN:N	2.26	0.66
1:6Z:252:ASP:OD1	1:6Z:252:ASP:C	2.37	0.66
2:1h:225:MET:HG3	2:2t:214:PRO:CD	2.26	0.66
2:1h:232:TYR:CD1	2:2t:232:TYR:CD2	2.81	0.66
2:6e:246:LYS:HG3	2:8i:242:LEU:CD2	2.25	0.66
2:7c:248:GLY:HA3	2:8j:279:ILE:HG22	1.77	0.66
2:8h:253:ALA:HA	2:8l:270:ILE:CD1	2.24	0.66
2:9F:150:GLU:OE1	2:9O:141:PRO:HB2	1.95	0.66
2:1k:279:ILE:HG22	2:3k:248:GLY:HA3	1.76	0.66
2:1k:279:ILE:CA	2:3k:248:GLY:HA3	2.25	0.66
2:2f:200:LEU:CG	2:3j:200:LEU:HD11	2.25	0.66
2:2g:223:ARG:CZ	2:3i:227:GLY:O	2.43	0.66
2:3i:246:LYS:HD3	2:4g:240:THR:C	2.20	0.66
2:8k:280:SER:C	2:9G:249:ALA:C	2.64	0.66
2:8m:266:LEU:CD2	2:8q:254:SER:HB3	1.88	0.66
2:8o:116:LYS:C	2:8o:118:ILE:CD1	2.67	0.66
2:1m:209:LEU:HG	2:2j:206:VAL:HG21	1.75	0.66
2:2k:225:MET:HG3	2:3n:214:PRO:HG3	1.73	0.66
2:5i:111:VAL:CB	2:7j:57:MET:HE2	2.23	0.66
2:6o:226:ILE:HD12	2:7j:222:LEU:C	2.20	0.66
2:6p:259:VAL:HG21	2:8v:258:ASP:HA	1.75	0.66
2:7m:145:ARG:HG2	2:8v:148[A]:ILE:HG22	1.77	0.66
2:7n:226:ILE:HD13	2:8r:226:ILE:CD1	2.24	0.66
2:8q:175:PHE:CE1	2:9H:171:GLN:CD	2.71	0.66
2:8s:223:ARG:HG2	2:9I:226:ILE:HG13	1.76	0.66
2:2o:236:ALA:CA	2:1x:242:LEU:HD21	2.24	0.66
2:2q:236:ALA:HA	2:3q:242:LEU:CD1	2.20	0.66
2:2q:246:LYS:HD3	2:3q:239:THR:C	2.19	0.66
2:3r:116:LYS:C	2:3r:118:ILE:CD1	2.67	0.66
2:5k:111:VAL:HG11	2:7o:57:MET:HE1	1.76	0.66
2:6q:119:SER:HB3	2:9K:126:LYS:CG	2.24	0.66
2:6q:246:LYS:HG3	2:9K:242:LEU:CD2	2.25	0.66
2:6q:251:VAL:HG12	2:9K:279:ILE:HD12	1.72	0.66
2:8w:174:LEU:HD23	2:9I:170:LEU:CB	2.23	0.66
2:8w:183:PHE:CG	2:9I:183:PHE:CE2	2.83	0.66
2:8y:228:ALA:HB1	2:9J:228:ALA:CB	1.98	0.66
2:9M:237:ALA:HB1	2:9J:245:VAL:O	1.05	0.66
1:4L:14:ILE:O	1:4L:14:ILE:HG22	1.93	0.66
1:5H:228:GLN:OE1	1:5H:228:GLN:N	2.23	0.66
1:4S:200:ILE:CD1	1:4S:213:PHE:CD1	2.78	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5X:445:GLY:H	2:5l:43:ALA:HA	1.60	0.66
1:1b:228:GLN:OE1	1:1b:228:GLN:N	2.20	0.66
1:7Y:228:GLN:OE1	1:7Y:228:GLN:N	2.23	0.66
2:1e:41:TYR:CE2	2:1e:57:MET:HE3	2.30	0.66
2:2Z:210:LEU:HD23	2:1l:206:VAL:HG13	1.74	0.66
2:2b:273:LEU:CD2	2:3e:279:ILE:HG21	2.01	0.66
2:2d:41:TYR:CE2	2:2d:42:VAL:O	2.48	0.66
2:3g:200:LEU:HD23	2:2x:196:LEU:HD13	1.77	0.66
2:4f:247:LYS:CD	2:3l:239:THR:CA	2.19	0.66
2:6e:119:SER:HB3	2:8i:126:LYS:CG	2.24	0.66
2:7c:246:LYS:C	2:8j:237:ALA:HB1	2.20	0.66
2:8e:97:TYR:OH	2:9O:41:TYR:CZ	2.48	0.66
2:8g:41:TYR:CZ	2:8k:97:TYR:OH	2.48	0.66
2:8h:242:LEU:CB	2:7i:234:LEU:HD21	2.10	0.66
2:9F:41:TYR:CE2	2:9F:42:VAL:O	2.48	0.66
2:9F:200:LEU:HD23	2:9O:196:LEU:HB3	1.76	0.66
2:9F:239:THR:HG23	2:9O:247:LYS:HG2	1.76	0.66
2:2e:230:VAL:C	2:1p:229:GLY:HA3	2.20	0.66
2:2i:120:ILE:CD1	2:3o:125:ILE:HG12	2.24	0.66
2:3l:99:VAL:CG2	2:3l:109:THR:O	2.40	0.66
2:6i:140:THR:CA	2:8o:131:THR:OG1	2.42	0.66
2:7h:246:LYS:C	2:8p:237:ALA:HB1	2.20	0.66
2:8m:28:ILE:HB	2:8q:73:VAL:HG13	1.77	0.66
2:8m:263:VAL:HG22	2:8q:256:ALA:HB3	1.76	0.66
2:8n:254:SER:HB2	2:8r:266:LEU:HD21	1.76	0.66
2:2j:41:TYR:CE2	2:2j:42:VAL:O	2.48	0.66
2:3m:246:LYS:HD3	2:4i:240:THR:C	2.20	0.66
2:6o:206:VAL:CG1	2:7j:210:LEU:HA	2.17	0.66
2:6p:116:LYS:C	2:6p:118:ILE:CD1	2.67	0.66
2:7j:62:ALA:HB1	2:7j:110:LEU:O	1.96	0.66
2:7m:248:GLY:HA3	2:8v:279:ILE:HG22	1.77	0.66
2:8s:222:LEU:CD1	2:9I:226:ILE:CG2	2.60	0.66
2:1q:226:ILE:HD11	2:1x:226:ILE:HD11	1.78	0.66
2:1s:245:VAL:CG1	2:3s:245:VAL:HG21	2.21	0.66
2:2o:193:LYS:HD2	2:1x:202:SER:HB3	1.77	0.66
2:2o:214:PRO:CD	2:1x:225:MET:HG3	2.26	0.66
2:2r:62:ALA:HB1	2:2r:110:LEU:O	1.96	0.66
2:2s:232:TYR:CE2	2:3w:232:TYR:CZ	2.79	0.66
2:6r:223:ARG:NH1	2:7u:226:ILE:O	2.27	0.66
2:7p:41:TYR:CE2	2:7p:42:VAL:O	2.48	0.66
2:7q:62:ALA:HB1	2:7q:110:LEU:O	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:141:PRO:HB2	2:9J:150:GLU:OE1	1.95	0.66
2:8y:209:LEU:HD11	2:9J:222:LEU:HD23	1.77	0.66
2:8y:223:ARG:HG2	2:9J:226:ILE:HG13	1.76	0.66
2:8y:247:LYS:CG	2:9J:280:SER:OG	2.43	0.66
2:9K:116:LYS:C	2:9K:118:ILE:CD1	2.67	0.66
2:5n:242:LEU:CD2	2:7u:244:GLY:C	2.60	0.66
2:6u:140:THR:CA	2:9Q:131:THR:OG1	2.42	0.66
2:9N:41:TYR:CE2	2:9N:57:MET:HE3	2.30	0.66
1:4F:14:ILE:HG22	1:4F:14:ILE:O	1.93	0.66
1:3O:202:GLU:CG	1:3O:343:SER:HB2	2.24	0.66
1:6Q:245:GLU:OE1	1:6Q:245:GLU:N	2.23	0.66
1:5S:136:ARG:NH2	1:5S:140:TYR:OH	2.29	0.66
1:5W:442:ALA:C	2:5k:45:LYS:HZ2	1.90	0.66
1:1a:444:GLY:HA2	2:1w:45:LYS:CE	2.23	0.66
1:5d:392:THR:CG2	2:5n:107:LEU:HD21	2.25	0.66
1:6Y:110:TYR:CD2	1:6Y:110:TYR:O	2.48	0.66
1:6c:245:GLU:OE1	1:6c:245:GLU:N	2.23	0.66
2:1e:242:LEU:HD22	2:1l:245:VAL:CA	2.22	0.66
2:1f:239:THR:N	2:2a:247:LYS:HB3	2.10	0.66
2:1g:237:ALA:CB	2:3g:247:LYS:H	2.07	0.66
2:1g:279:ILE:HG22	2:3g:248:GLY:HA3	1.76	0.66
2:1h:242:LEU:HD21	2:2t:236:ALA:CA	2.24	0.66
2:2Z:193:LYS:HD2	2:1l:202:SER:HB3	1.77	0.66
2:2a:280:SER:OG	2:3f:247:LYS:HE2	1.94	0.66
2:2b:120:ILE:HD13	2:4e:120:ILE:HD11	0.74	0.66
2:2d:120:ILE:CD1	2:3k:125:ILE:HG12	2.24	0.66
2:8e:238:THR:O	2:9F:246:LYS:HB3	1.92	0.66
2:8g:234:LEU:HD22	2:9G:242:LEU:O	1.86	0.66
2:2e:98:ALA:HA	2:2e:110:LEU:HD23	1.78	0.66
2:2f:227:GLY:N	2:3j:223:ARG:HH11	1.93	0.66
2:3i:232:TYR:CD2	2:4g:232:TYR:CZ	2.84	0.66
2:6i:256:ALA:O	2:8o:259:VAL:HG12	1.93	0.66
2:6i:257:THR:C	2:8o:259:VAL:HG21	2.20	0.66
2:2j:244:GLY:O	2:1t:242:LEU:CD2	2.42	0.66
2:2l:223:ARG:CZ	2:3m:227:GLY:O	2.43	0.66
2:2m:57:MET:CE	2:3t:111:VAL:HG22	2.26	0.66
2:3m:232:TYR:CD2	2:4i:232:TYR:CZ	2.84	0.66
2:4j:234:LEU:HD21	2:3t:242:LEU:HD13	1.75	0.66
2:6m:258:ASP:N	2:8u:259:VAL:CG2	2.59	0.66
2:6o:226:ILE:HG21	2:7j:222:LEU:HD13	1.70	0.66
2:8s:245:VAL:N	2:9I:242:LEU:HA	2.09	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2o:230:VAL:C	2:1x:229:GLY:HA3	2.20	0.66
2:2q:214:PRO:HD2	2:3q:225:MET:HG3	1.75	0.66
2:6r:226:ILE:CG2	2:5n:222:LEU:CB	2.73	0.66
2:6t:259:VAL:HG22	2:7r:259:VAL:HG22	1.75	0.66
2:8w:150:GLU:CG	2:9I:141:PRO:HB2	2.24	0.66
2:8w:177:ASP:CG	2:9I:186:ALA:HB2	2.20	0.66
2:2v:62:ALA:HB1	2:2v:110:LEU:O	1.96	0.66
2:5m:259:VAL:CG2	2:6w:258:ASP:HA	2.20	0.66
2:9M:175:PHE:CE1	2:9J:171:GLN:CD	2.71	0.66
1:7A:448:ALA:O	2:7d:60:LEU:CG	2.43	0.66
1:4P:137:GLN:HG3	1:4P:137:GLN:O	1.93	0.66
1:5Q:447:GLN:HG3	2:5i:44:VAL:HG22	1.74	0.66
1:4d:16:GLU:OE1	1:4d:16:GLU:N	2.25	0.66
1:7X:28:GLN:NE2	2:6q:52:LEU:CD1	2.58	0.66
1:7X:445:GLY:CA	2:7t:45:LYS:HB3	2.25	0.66
1:8Z:448:ALA:HB3	2:9N:57:MET:HE2	1.75	0.66
2:1e:223:ARG:HG2	2:2Z:226:ILE:HG13	1.77	0.66
2:1g:41:TYR:CE2	2:1g:57:MET:HE3	2.30	0.66
2:1h:202:SER:HB3	2:2t:193:LYS:HD2	1.77	0.66
2:2a:206:VAL:HG21	2:3f:209:LEU:C	2.19	0.66
2:2b:41:TYR:CE2	2:2b:42:VAL:O	2.48	0.66
2:6g:226:ILE:HD12	2:7Z:222:LEU:C	2.20	0.66
2:7b:62:ALA:HB1	2:7b:110:LEU:O	1.96	0.66
2:7c:62:ALA:HB1	2:7c:110:LEU:O	1.96	0.66
2:8e:254:SER:HB3	2:9O:266:LEU:CG	2.25	0.66
2:8f:266:LEU:HD21	2:9P:254:SER:HB2	1.76	0.66
2:8g:141:PRO:HB2	2:9G:150:GLU:OE1	1.95	0.66
2:2e:62:ALA:HB1	2:2e:110:LEU:O	1.96	0.66
2:2e:119:SER:CA	2:1p:124:ASP:O	2.43	0.66
2:2i:262:ALA:CB	2:3o:263:VAL:HG22	2.25	0.66
2:5g:126:LYS:HG2	2:6k:119:SER:HB3	1.77	0.66
2:6i:158[B]:ILE:HA	2:8o:154:ALA:HB1	1.78	0.66
2:6j:41:TYR:CE2	2:6j:57:MET:HE3	2.30	0.66
2:6j:227:GLY:O	2:5j:230:VAL:HG12	1.95	0.66
2:7g:62:ALA:HB1	2:7g:110:LEU:O	1.96	0.66
2:7h:248:GLY:HA3	2:8p:279:ILE:HG22	1.77	0.66
2:8l:99:VAL:CG2	2:8l:109:THR:O	2.41	0.66
2:8m:141:PRO:HB2	2:9H:150:GLU:OE1	1.95	0.66
2:2j:214:PRO:CD	2:1t:225:MET:HG3	2.26	0.66
2:2k:206:VAL:HG21	2:3n:209:LEU:C	2.19	0.66
2:2n:196:LEU:HD13	2:3s:200:LEU:HD23	1.77	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4i:99:VAL:CG2	2:4i:109:THR:O	2.41	0.66
2:5i:98:ALA:CA	2:5i:110:LEU:CB	2.54	0.66
2:5i:126:LYS:HG2	2:6o:119:SER:HB3	1.77	0.66
2:5i:273:LEU:HD13	2:6o:273:LEU:HD21	1.78	0.66
2:6n:226:ILE:HG22	2:5l:222:LEU:CD1	2.24	0.66
2:7l:62:ALA:HB1	2:7l:110:LEU:O	1.96	0.66
2:8q:199:LEU:HD13	2:9H:186:ALA:HA	1.77	0.66
2:8s:266:LEU:CG	2:8w:254:SER:HB3	2.25	0.66
2:9H:41:TYR:CE2	2:9H:42:VAL:O	2.48	0.66
2:2r:148[B]:ILE:CD1	2:4l:148[B]:ILE:CD1	2.73	0.66
2:2s:41:TYR:CE2	2:2s:42:VAL:O	2.48	0.66
2:7r:265:ASP:CB	2:9L:266:LEU:HD21	2.26	0.66
2:8w:200:LEU:C	2:9I:193:LYS:HD3	2.12	0.66
2:2u:206:VAL:HG21	2:3v:209:LEU:C	2.20	0.66
2:2v:223:ARG:HH11	2:3u:227:GLY:HA3	1.42	0.66
2:2v:236:ALA:HA	2:3u:242:LEU:CD1	2.20	0.66
2:2v:269:LEU:CD2	2:3u:270:ILE:HG12	2.25	0.66
2:2x:62:ALA:HB1	2:2x:110:LEU:O	1.96	0.66
2:5m:270:ILE:HG12	2:6w:251:VAL:HG21	1.75	0.66
2:6x:259:VAL:HG22	2:7w:259:VAL:HG22	1.75	0.66
2:7v:62:ALA:HB1	2:7v:110:LEU:O	1.96	0.66
1:4E:444:GLY:O	2:4e:53:THR:OG1	2.13	0.66
1:8F:443:SER:HA	2:8g:45:LYS:HZ3	1.53	0.66
1:3I:202:GLU:CG	1:3I:343:SER:HB2	2.24	0.66
1:4G:200:ILE:HG22	1:4G:216:LYS:HD2	1.77	0.66
1:5R:30:ASP:OD1	1:5R:30:ASP:O	2.13	0.66
1:8V:444:GLY:C	2:9K:45:LYS:HD2	2.21	0.66
1:3d:445:GLY:HA2	2:3u:45:LYS:HG2	1.77	0.66
2:1e:242:LEU:HD23	2:1l:245:VAL:CA	2.21	0.66
2:2Z:62:ALA:HB1	2:2Z:110:LEU:O	1.96	0.66
2:2Z:214:PRO:CD	2:1l:225:MET:HG3	2.26	0.66
2:2a:41:TYR:CE2	2:2a:42:VAL:O	2.48	0.66
2:3e:232:TYR:CD2	2:4e:232:TYR:CZ	2.84	0.66
2:3h:111:VAL:HG22	2:2w:57:MET:CE	2.25	0.66
2:5e:98:ALA:CA	2:5e:110:LEU:CB	2.54	0.66
2:6e:257:THR:C	2:8i:259:VAL:HG21	2.20	0.66
2:2f:206:VAL:HG21	2:3j:209:LEU:C	2.19	0.66
2:6k:225:MET:HG3	2:7e:214:PRO:HD2	1.78	0.66
2:7h:171:GLN:NE2	2:8p:174:LEU:O	2.29	0.66
2:7i:62:ALA:HB1	2:7i:110:LEU:O	1.96	0.66
2:8k:183:PHE:CG	2:9G:183:PHE:CE2	2.83	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:281:LEU:CA	2:3o:250:ALA:CB	2.73	0.66
2:2j:230:VAL:C	2:1t:229:GLY:HA3	2.20	0.66
2:2m:41:TYR:CE2	2:2m:42:VAL:O	2.48	0.66
2:5i:259:VAL:HG11	2:6o:257:THR:C	2.18	0.66
2:6n:242:LEU:HB3	2:5l:244:GLY:CA	2.19	0.66
2:7k:62:ALA:HB1	2:7k:110:LEU:O	1.96	0.66
2:7n:41:TYR:CE2	2:7n:42:VAL:O	2.48	0.66
2:7n:62:ALA:HB1	2:7n:110:LEU:O	1.96	0.66
2:8q:280:SER:C	2:9H:249:ALA:C	2.64	0.66
2:8s:41:TYR:CZ	2:8w:97:TYR:OH	2.48	0.66
2:1s:245:VAL:HG11	2:3s:245:VAL:HG23	1.70	0.66
2:2o:214:PRO:CG	2:1x:225:MET:CG	2.74	0.66
2:2s:62:ALA:HB1	2:2s:110:LEU:O	1.96	0.66
2:2s:98:ALA:HA	2:2s:110:LEU:HD23	1.78	0.66
2:5k:99:VAL:CG2	2:5k:109:THR:O	2.41	0.66
2:2u:57:MET:CE	2:3v:111:VAL:CG2	2.71	0.66
2:7w:171:GLN:NE2	2:9R:174:LEU:O	2.29	0.66
2:9M:279:ILE:CB	2:9J:272:VAL:HG12	2.26	0.66
1:1E:252:ASP:OD1	1:1E:252:ASP:C	2.39	0.66
1:5B:228:GLN:OE1	1:5B:228:GLN:N	2.23	0.66
1:5G:136:ARG:NH2	1:5G:140:TYR:OH	2.29	0.66
1:8L:442:ALA:O	2:8m:45:LYS:CE	2.43	0.66
1:1N:444:GLY:O	2:1n:44:VAL:CG2	2.44	0.66
1:3U:202:GLU:CG	1:3U:343:SER:HB2	2.24	0.66
1:2W:407:ASN:HB2	2:2u:45:LYS:HG3	1.77	0.66
1:3c:445:GLY:HA2	2:3v:45:LYS:HB2	1.75	0.66
1:4Y:245:GLU:OE1	1:4Y:245:GLU:N	2.21	0.66
1:9E:110:TYR:CD2	1:9E:110:TYR:O	2.49	0.66
2:1g:73:VAL:HG11	2:2x:27:ILE:CA	2.26	0.66
2:2Z:230:VAL:C	2:1l:229:GLY:HA3	2.20	0.66
2:2a:98:ALA:HA	2:2a:110:LEU:HD23	1.78	0.66
2:3g:154:ALA:HB1	2:2x:158[B]:ILE:HD12	1.77	0.66
2:5e:259:VAL:HG13	2:6g:258:ASP:C	2.21	0.66
2:6f:200:LEU:CD2	2:5h:200:LEU:CD1	2.72	0.66
2:6f:223:ARG:NH1	2:7f:226:ILE:O	2.27	0.66
2:6g:225:MET:HG3	2:7Z:214:PRO:HD2	1.78	0.66
2:6h:98:ALA:CA	2:6h:110:LEU:CB	2.54	0.66
2:7c:41:TYR:CE2	2:7c:42:VAL:O	2.48	0.66
2:7c:254:SER:CB	2:8j:267:ASN:HD21	2.08	0.66
2:7d:98:ALA:HA	2:7d:110:LEU:HD23	1.78	0.66
2:8g:223:ARG:N	2:9G:226:ILE:HD12	2.11	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:247:LYS:CG	2:9G:280:SER:OG	2.43	0.66
2:8h:239:THR:HG22	2:7i:247:LYS:HB3	1.76	0.66
2:8h:254:SER:HB2	2:8l:266:LEU:HD21	1.76	0.66
2:1j:239:THR:HG23	2:2f:247:LYS:HB3	1.78	0.66
2:2e:196:LEU:HB3	2:1p:200:LEU:HD22	1.76	0.66
2:2e:214:PRO:CD	2:1p:225:MET:CG	2.73	0.66
2:2i:184:LEU:HD21	2:3o:184:LEU:HD21	1.78	0.66
2:2i:193:LYS:CB	2:3o:200:LEU:O	2.44	0.66
2:7e:41:TYR:CE2	2:7e:42:VAL:O	2.48	0.66
2:7f:62:ALA:HB1	2:7f:110:LEU:O	1.96	0.66
2:7h:254:SER:CB	2:8p:267:ASN:HD21	2.08	0.66
2:8k:150:GLU:CG	2:9G:141:PRO:HB2	2.24	0.66
2:8l:41:TYR:CE2	2:8l:57:MET:HE3	2.30	0.66
2:1n:239:THR:N	2:2k:247:LYS:HB3	2.10	0.66
2:2k:19:LEU:HD12	2:2k:41:TYR:CD2	2.20	0.66
2:2l:62:ALA:HB1	2:2l:110:LEU:O	1.96	0.66
2:2l:247:LYS:N	2:3m:239:THR:N	2.35	0.66
2:2l:269:LEU:CD2	2:3m:270:ILE:HG12	2.25	0.66
2:3m:232:TYR:CD2	2:4i:232:TYR:CD1	2.83	0.66
2:6m:257:THR:C	2:8u:259:VAL:HG21	2.20	0.66
2:7k:41:TYR:CE2	2:7k:42:VAL:O	2.48	0.66
2:7m:62:ALA:HB1	2:7m:110:LEU:O	1.96	0.66
2:8q:177:ASP:CG	2:9H:186:ALA:HB2	2.20	0.66
2:1q:242:LEU:HD22	2:1x:245:VAL:CA	2.22	0.66
2:1s:281:LEU:CA	2:3s:250:ALA:CB	2.73	0.66
2:2q:62:ALA:HB1	2:2q:110:LEU:O	1.96	0.66
2:2r:180:VAL:HG11	2:3x:184:LEU:CD2	2.25	0.66
2:3q:232:TYR:CD2	2:4k:232:TYR:CZ	2.84	0.66
2:3r:41:TYR:CE2	2:3r:57:MET:HE3	2.30	0.66
2:6q:250:ALA:HB2	2:9K:280:SER:O	1.95	0.66
2:6t:219:LYS:HG2	2:7r:226:ILE:HA	1.76	0.66
2:7r:248:GLY:HA3	2:9L:279:ILE:HG22	1.77	0.66
2:7s:62:ALA:HB1	2:7s:110:LEU:O	1.96	0.66
2:7s:226:ILE:CD1	2:8x:226:ILE:HD13	2.25	0.66
2:1v:239:THR:N	2:2u:247:LYS:HB3	2.10	0.66
2:2u:98:ALA:HA	2:2u:110:LEU:HD23	1.78	0.66
2:6w:226:ILE:HD12	2:7t:222:LEU:C	2.20	0.66
2:9J:62:ALA:HB1	2:9J:110:LEU:O	1.96	0.66
1:9A:110:TYR:CD2	1:9A:110:TYR:O	2.49	0.66
1:5L:30:ASP:OD1	1:5L:30:ASP:O	2.13	0.66
1:2M:28:GLN:HE22	2:4j:27:ILE:CD1	2.09	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5M:136:ARG:NH2	1:5M:140:TYR:OH	2.29	0.66
1:6P:423:GLU:OE1	1:6P:423:GLU:N	2.27	0.66
1:7K:447:GLN:C	2:7n:41:TYR:HE1	1.93	0.66
1:8O:392:THR:CG2	2:8v:107:LEU:HG	2.26	0.66
1:8R:445:GLY:O	2:8s:44:VAL:CA	2.43	0.66
1:5S:438:ARG:O	1:5S:438:ARG:HG3	1.96	0.66
1:9D:110:TYR:CD2	1:9D:110:TYR:O	2.49	0.66
1:8b:448:ALA:HB3	2:9Q:41:TYR:CD2	2.30	0.66
2:1f:239:THR:HG23	2:2a:247:LYS:HB3	1.78	0.66
2:2Z:98:ALA:HA	2:2Z:110:LEU:HD23	1.78	0.66
2:3e:246:LYS:HD3	2:4e:240:THR:C	2.20	0.66
2:3e:247:LYS:N	2:4e:238:THR:O	2.29	0.66
2:6f:41:TYR:CE2	2:6f:57:MET:HE3	2.30	0.66
2:6f:226:ILE:CG2	2:5h:222:LEU:CB	2.73	0.66
2:6g:239:THR:CA	2:7Z:246:LYS:HB3	2.26	0.66
2:7a:226:ILE:HG22	2:6v:222:LEU:HD13	1.77	0.66
2:7b:23:GLN:HG3	2:9Q:73:VAL:O	1.94	0.66
2:7b:41:TYR:CE2	2:7b:42:VAL:O	2.48	0.66
2:7c:145:ARG:HG2	2:8j:148[A]:ILE:HG22	1.77	0.66
2:7c:231:PRO:CG	2:8j:229:GLY:CA	2.70	0.66
2:8e:270:ILE:HD11	2:9F:269:LEU:HB3	1.72	0.66
2:1i:223:ARG:HG2	2:2e:226:ILE:HG13	1.77	0.66
2:1j:239:THR:N	2:2f:247:LYS:HB3	2.10	0.66
2:1j:247:LYS:CG	2:3j:239:THR:HG22	2.22	0.66
2:2g:269:LEU:CD2	2:3i:270:ILE:HG12	2.25	0.66
2:2h:148[B]:ILE:CD1	2:4h:148[B]:ILE:CD1	2.73	0.66
2:5g:259:VAL:CG2	2:6k:258:ASP:HA	2.20	0.66
2:6i:158[B]:ILE:HD11	2:8o:158[B]:ILE:HD11	1.76	0.66
2:7h:145:ARG:HG2	2:8p:148[A]:ILE:HG22	1.77	0.66
2:7i:98:ALA:HA	2:7i:110:LEU:HD23	1.78	0.66
2:8k:177:ASP:CG	2:9G:186:ALA:HB2	2.20	0.66
2:8m:247:LYS:CG	2:9H:280:SER:OG	2.43	0.66
2:1m:226:ILE:HD11	2:1t:226:ILE:HD11	1.78	0.66
2:1n:8:ARG:O	2:1n:8:ARG:CG	2.44	0.66
2:2j:119:SER:CA	2:1t:124:ASP:O	2.43	0.66
2:2j:246:LYS:CD	2:1t:240:THR:HA	2.20	0.66
2:2m:62:ALA:HB1	2:2m:110:LEU:O	1.96	0.66
2:2m:148[B]:ILE:CD1	2:4j:148[B]:ILE:CD1	2.73	0.66
2:8s:223:ARG:N	2:9I:226:ILE:HD12	2.11	0.66
2:1q:210:LEU:CD2	2:2o:206:VAL:CG1	2.64	0.66
2:1q:246:LYS:CB	2:2o:239:THR:O	2.42	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2o:62:ALA:HB1	2:2o:110:LEU:O	1.96	0.66
2:2q:210:LEU:HD23	2:3q:206:VAL:HG13	1.75	0.66
2:2q:269:LEU:CD2	2:3q:270:ILE:HG12	2.25	0.66
2:5k:259:VAL:HG11	2:6s:257:THR:C	2.18	0.66
2:5k:273:LEU:HD13	2:6s:273:LEU:HD21	1.78	0.66
2:6q:247:LYS:CE	2:9K:277:GLY:CA	2.71	0.66
2:6q:257:THR:C	2:9K:259:VAL:HG21	2.20	0.66
2:6q:258:ASP:N	2:9K:259:VAL:CG2	2.59	0.66
2:6r:222:LEU:HD13	2:7u:226:ILE:HG22	1.76	0.66
2:7o:62:ALA:HB1	2:7o:110:LEU:O	1.96	0.66
2:7r:167:LYS:HG2	2:9L:173:LEU:O	1.96	0.66
2:7r:254:SER:CB	2:9L:267:ASN:HD21	2.08	0.66
2:8y:28:ILE:HB	2:9M:73:VAL:HG13	1.77	0.66
2:8y:41:TYR:CZ	2:9M:97:TYR:OH	2.48	0.66
2:9K:41:TYR:CE2	2:9K:57:MET:HE3	2.30	0.66
2:2t:98:ALA:HA	2:2t:110:LEU:HD23	1.78	0.66
2:5n:8:ARG:O	2:5n:8:ARG:CG	2.44	0.66
2:6w:8:ARG:O	2:6w:8:ARG:CG	2.44	0.66
2:6w:228:ALA:CB	2:7t:223:ARG:HG2	2.25	0.66
2:7w:167:LYS:HG2	2:9R:173:LEU:O	1.96	0.66
2:9M:150:GLU:CG	2:9J:141:PRO:HB2	2.24	0.66
1:2A:314:ASN:OD1	1:2A:314:ASN:C	2.36	0.66
1:8A:446:ALA:HB3	2:8e:55:VAL:CA	2.24	0.66
1:2G:447:GLN:O	2:2g:41:TYR:CD1	2.43	0.66
1:5G:438:ARG:O	1:5G:438:ARG:HG3	1.96	0.66
1:5K:445:GLY:C	2:5g:44:VAL:HB	2.21	0.66
1:5L:419:ASP:HB3	1:5L:425:LYS:NZ	2.07	0.66
1:1O:444:GLY:CA	2:1o:45:LYS:CE	2.72	0.66
1:4M:245:GLU:OE1	1:4M:245:GLU:N	2.21	0.66
1:8P:228:GLN:OE1	1:8P:228:GLN:N	2.20	0.66
1:1V:393:GLY:CA	2:1t:107:LEU:HD11	2.25	0.66
1:3U:447:GLN:HG2	2:3t:44:VAL:HG22	1.78	0.66
1:2X:443:SER:O	2:2t:45:LYS:CE	2.43	0.66
1:6Y:447:GLN:HE22	2:6x:58:TYR:CB	2.07	0.66
1:6c:445:GLY:HA2	2:6v:44:VAL:CG1	2.25	0.66
1:7X:445:GLY:CA	2:7t:45:LYS:HD2	2.26	0.66
2:1f:244:GLY:CA	2:3f:242:LEU:CB	2.69	0.66
2:1h:226:ILE:HD11	2:1u:226:ILE:HD11	1.78	0.66
2:7a:62:ALA:HB1	2:7a:110:LEU:O	1.96	0.66
2:7d:62:ALA:HB1	2:7d:110:LEU:O	1.96	0.66
2:9F:226:ILE:HD12	2:9O:223:ARG:CA	2.25	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:240:THR:O	2:4g:246:LYS:HE2	1.95	0.66
2:2i:248:GLY:O	2:3o:280:SER:CA	2.44	0.66
2:4h:8:ARG:O	2:4h:8:ARG:CG	2.44	0.66
2:6l:98:ALA:CA	2:6l:110:LEU:CB	2.54	0.66
2:7h:98:ALA:HA	2:7h:110:LEU:HD23	1.78	0.66
2:7i:41:TYR:CE2	2:7i:42:VAL:O	2.48	0.66
2:8k:278:ILE:HG23	2:9G:278:ILE:CG2	2.06	0.66
2:8m:223:ARG:HG2	2:9H:226:ILE:HG13	1.76	0.66
2:8m:223:ARG:CA	2:9H:226:ILE:HD12	2.25	0.66
2:9G:62:ALA:HB1	2:9G:110:LEU:O	1.96	0.66
2:2j:98:ALA:HA	2:2j:110:LEU:HD23	1.78	0.66
2:2n:62:ALA:HB1	2:2n:110:LEU:O	1.96	0.66
2:5j:8:ARG:O	2:5j:8:ARG:CG	2.44	0.66
2:6m:250:ALA:HB2	2:8u:280:SER:O	1.95	0.66
2:6n:222:LEU:HD13	2:7p:226:ILE:HG22	1.76	0.66
2:7m:265:ASP:CB	2:8v:266:LEU:HD21	2.26	0.66
2:7n:57:MET:HE3	2:8r:61:ALA:CB	2.22	0.66
2:8s:223:ARG:CA	2:9I:226:ILE:HD12	2.25	0.66
2:8s:244:GLY:HA2	2:9I:243:GLY:N	2.11	0.66
2:8v:8:ARG:O	2:8v:8:ARG:CG	2.44	0.66
2:2p:98:ALA:HA	2:2p:110:LEU:HD23	1.78	0.66
2:2p:227:GLY:N	2:3r:223:ARG:HH11	1.93	0.66
2:2q:230:VAL:HG12	2:3q:227:GLY:O	1.94	0.66
2:2s:148[B]:ILE:HD12	2:1w:148[B]:ILE:CD1	2.21	0.66
2:2s:269:LEU:CD2	2:3w:270:ILE:HG13	2.14	0.66
2:5k:234:LEU:HD12	2:6s:234:LEU:HD22	1.77	0.66
2:7r:254:SER:CB	2:9L:267:ASN:ND2	2.56	0.66
2:8w:279:ILE:CB	2:9I:272:VAL:HG12	2.26	0.66
2:2t:62:ALA:HB1	2:2t:110:LEU:O	1.96	0.66
2:2u:62:ALA:HB1	2:2u:110:LEU:O	1.96	0.66
2:2x:98:ALA:HA	2:2x:110:LEU:HD23	1.78	0.66
2:6w:225:MET:HG3	2:7t:214:PRO:HD2	1.78	0.66
2:7w:41:TYR:CE2	2:7w:42:VAL:O	2.48	0.66
2:7w:248:GLY:HA3	2:9R:279:ILE:HG22	1.77	0.66
2:7x:98:ALA:HA	2:7x:110:LEU:HD23	1.78	0.66
2:9Q:41:TYR:CE2	2:9Q:57:MET:HE3	2.30	0.66
1:5F:422:THR:HG21	1:5F:427:LYS:CE	2.24	0.66
1:6A:110:TYR:CD2	1:6A:110:TYR:O	2.48	0.66
1:6B:446:ALA:O	2:6g:56:ASN:N	2.20	0.66
1:5Q:447:GLN:HG3	2:5i:44:VAL:HG23	1.75	0.66
1:6N:443:SER:C	2:6o:56:ASN:ND2	2.53	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7M:395:ALA:HB3	2:7k:107:LEU:HG	1.78	0.66
1:7O:448:ALA:HB2	2:7m:60:LEU:CD1	2.26	0.66
1:3W:443:SER:HB3	2:3r:45:LYS:HE3	1.77	0.66
1:4W:392:THR:HG21	2:4k:16:TYR:CD1	2.31	0.66
1:5X:423:GLU:O	1:5X:424:ASP:C	2.35	0.66
1:1c:203:PRO:HA	1:1c:209:ALA:HB1	1.77	0.66
1:3d:448:ALA:HB2	2:3u:57:MET:SD	2.36	0.66
1:5d:245:GLU:OE1	1:5d:245:GLU:N	2.24	0.66
2:2b:62:ALA:HB1	2:2b:110:LEU:O	1.96	0.66
2:2d:62:ALA:HB1	2:2d:110:LEU:O	1.96	0.66
2:3e:236:ALA:HB2	2:4e:242:LEU:HD11	1.78	0.66
2:3h:41:TYR:CE2	2:3h:57:MET:HE3	2.30	0.66
2:5e:273:LEU:HD13	2:6g:273:LEU:HD21	1.78	0.66
2:7b:98:ALA:HA	2:7b:110:LEU:HD23	1.78	0.66
2:8e:279:ILE:CB	2:9F:272:VAL:HG12	2.26	0.66
2:8f:41:TYR:CE2	2:8f:57:MET:HE3	2.30	0.66
2:8g:223:ARG:HG2	2:9G:226:ILE:HG13	1.76	0.66
2:1i:98:ALA:CA	2:1i:110:LEU:CB	2.54	0.66
2:1k:99:VAL:CG2	2:1k:109:THR:O	2.41	0.66
2:3i:236:ALA:HB2	2:4g:242:LEU:HD11	1.78	0.66
2:5g:41:TYR:CE2	2:5g:57:MET:HE3	2.30	0.66
2:6j:111:VAL:CG2	2:7k:57:MET:CE	2.71	0.66
2:8k:8:ARG:O	2:8k:8:ARG:CG	2.44	0.66
2:8o:120:ILE:HD11	2:7l:120:ILE:HD13	0.67	0.66
2:2j:236:ALA:H	2:1t:242:LEU:HD11	1.61	0.66
2:2n:248:GLY:O	2:3s:280:SER:CA	2.44	0.66
2:3p:41:TYR:CE2	2:3p:57:MET:HE3	2.30	0.66
2:4i:41:TYR:CE2	2:4i:57:MET:HE3	2.30	0.66
2:5i:149[B]:ILE:HG23	2:6o:158[B]:ILE:CG2	2.26	0.66
2:5i:263:VAL:HG21	2:6o:256:ALA:CA	2.24	0.66
2:6o:225:MET:HG3	2:7j:214:PRO:HD2	1.78	0.66
2:6o:240:THR:O	2:7j:246:LYS:CE	2.34	0.66
2:8q:8:ARG:O	2:8q:8:ARG:CG	2.44	0.66
2:8q:201:VAL:C	2:9H:193:LYS:CE	2.69	0.66
2:8s:28:ILE:HB	2:8w:73:VAL:HG13	1.77	0.66
2:1s:245:VAL:CG2	2:3s:245:VAL:HG21	2.26	0.66
2:2p:226:ILE:C	2:3r:223:ARG:CG	2.55	0.66
2:2q:223:ARG:CZ	2:3q:227:GLY:O	2.43	0.66
2:2s:234:LEU:HB2	2:3w:232:TYR:HH	1.61	0.66
2:1v:8:ARG:O	2:1v:8:ARG:CG	2.44	0.66
2:2w:62:ALA:HB1	2:2w:110:LEU:O	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5m:273:LEU:HD13	2:6w:273:LEU:HD21	1.78	0.66
2:9M:177:ASP:CG	2:9J:186:ALA:HB2	2.20	0.66
2:9O:116:LYS:C	2:9O:118:ILE:CD1	2.67	0.66
1:1D:444:GLY:C	2:1h:44:VAL:HG21	2.21	0.66
1:4A:200:ILE:CD1	1:4A:213:PHE:CD1	2.78	0.66
1:4F:448:ALA:HB3	2:4f:41:TYR:CE1	2.26	0.66
1:2I:181:TYR:OH	1:2J:39:ALA:O	2.14	0.66
1:8H:446:ALA:HA	2:8l:43:ALA:HA	1.76	0.66
1:1Q:203:PRO:HA	1:1Q:209:ALA:HB1	1.77	0.66
1:3O:202:GLU:HB2	1:3O:343:SER:HB3	1.72	0.66
1:5M:438:ARG:HG3	1:5M:438:ARG:O	1.96	0.66
1:1S:446:ALA:HA	2:1q:43:ALA:HA	1.76	0.66
1:2S:181:TYR:OH	1:2T:39:ALA:O	2.14	0.66
1:7T:25:ARG:NH1	2:5l:51:ASP:OD2	2.27	0.66
1:8W:448:ALA:C	2:8z:60:LEU:CD1	2.66	0.66
1:1a:443:SER:OG	2:1w:45:LYS:HE3	1.96	0.66
1:2U:447:GLN:C	2:2w:41:TYR:CD1	2.66	0.66
1:4Y:200:ILE:HG22	1:4Y:216:LYS:HD2	1.77	0.66
1:7X:446:ALA:HB3	2:7t:41:TYR:CE2	2.28	0.66
2:1e:242:LEU:CD2	2:1l:245:VAL:N	2.59	0.66
2:1h:225:MET:CG	2:2t:214:PRO:CG	2.74	0.66
2:2b:225:MET:O	2:4e:219:LYS:HG2	1.96	0.66
2:2b:269:LEU:CD2	2:3e:270:ILE:HG12	2.25	0.66
2:3e:76:ASN:ND2	2:3e:116:LYS:HD2	2.11	0.66
2:3g:266:LEU:CD1	2:2x:266:LEU:CD1	2.69	0.66
2:4f:8:ARG:O	2:4f:8:ARG:CG	2.44	0.66
2:5e:41:TYR:CE2	2:5e:57:MET:HE3	2.30	0.66
2:5f:222:LEU:CB	2:6v:226:ILE:CG2	2.73	0.66
2:5f:242:LEU:HB3	2:7a:244:GLY:HA3	1.78	0.66
2:6f:242:LEU:HB3	2:5h:244:GLY:CA	2.19	0.66
2:7a:280:SER:OG	2:6v:248:GLY:O	2.11	0.66
2:7c:98:ALA:HA	2:7c:110:LEU:HD23	1.78	0.66
2:7c:265:ASP:CB	2:8j:266:LEU:HD21	2.26	0.66
2:8e:174:LEU:CD2	2:9F:170:LEU:HD13	2.25	0.66
2:8e:177:ASP:CG	2:9F:186:ALA:HB2	2.20	0.66
2:8e:242:LEU:HD22	2:9F:236:ALA:CB	2.23	0.66
2:8j:8:ARG:O	2:8j:8:ARG:CG	2.44	0.66
2:9F:98:ALA:HA	2:9F:110:LEU:HD23	1.78	0.66
2:2e:214:PRO:CD	2:1p:225:MET:HG3	2.26	0.66
2:2f:98:ALA:HA	2:2f:110:LEU:HD23	1.78	0.66
2:2g:210:LEU:HD23	2:3i:206:VAL:HG13	1.75	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:180:VAL:HG11	2:3p:184:LEU:CD2	2.24	0.66
2:2i:62:ALA:HB1	2:2i:110:LEU:O	1.96	0.66
2:5g:149[B]:ILE:HG23	2:6k:158[B]:ILE:CG2	2.26	0.66
2:6k:226:ILE:O	2:7e:219:LYS:C	2.39	0.66
2:6k:226:ILE:CB	2:7e:222:LEU:CB	2.72	0.66
2:7e:62:ALA:HB1	2:7e:110:LEU:O	1.96	0.66
2:7g:98:ALA:HA	2:7g:110:LEU:HD23	1.78	0.66
2:7h:265:ASP:CB	2:8p:266:LEU:HD21	2.26	0.66
2:8k:278:ILE:HG22	2:9G:278:ILE:HG21	1.57	0.66
2:8n:239:THR:HG22	2:7n:247:LYS:HB3	1.76	0.66
2:1n:226:ILE:HG12	2:3n:226:ILE:HD12	1.78	0.66
2:2m:226:ILE:O	2:3t:223:ARG:CG	2.34	0.66
2:8s:246:LYS:CB	2:9I:239:THR:C	2.47	0.66
2:8s:263:VAL:HG13	2:8w:254:SER:O	1.96	0.66
2:8t:8:ARG:O	2:8t:8:ARG:CG	2.44	0.66
2:1q:41:TYR:CE2	2:1q:57:MET:HE3	2.30	0.66
2:2o:98:ALA:HA	2:2o:110:LEU:HD23	1.78	0.66
2:5k:148[B]:ILE:CD1	2:6s:148[B]:ILE:CD1	2.72	0.66
2:6q:148[B]:ILE:CD1	2:7v:148[B]:ILE:CD1	2.74	0.66
2:6q:158[B]:ILE:HA	2:9K:154:ALA:HB1	1.78	0.66
2:7q:98:ALA:HA	2:7q:110:LEU:HD23	1.78	0.66
2:8w:280:SER:C	2:9I:249:ALA:C	2.64	0.66
2:1u:99:VAL:CG2	2:1u:109:THR:O	2.40	0.66
2:1u:223:ARG:HG2	2:2t:226:ILE:HG13	1.77	0.66
2:1w:270:ILE:CG2	2:3w:251:VAL:HG21	2.13	0.66
2:2u:226:ILE:C	2:3v:223:ARG:CG	2.55	0.66
2:5m:149[B]:ILE:HG23	2:6w:158[B]:ILE:CG2	2.26	0.66
2:7t:62:ALA:HB1	2:7t:110:LEU:O	1.96	0.66
2:7w:98:ALA:HA	2:7w:110:LEU:HD23	1.78	0.66
2:9M:280:SER:C	2:9J:249:ALA:C	2.64	0.66
1:1A:407:ASN:OD1	2:1e:45:LYS:HG2	1.95	0.65
1:5E:201:ASP:HB2	1:5E:343:SER:CB	2.27	0.65
1:8A:446:ALA:HB3	2:8e:55:VAL:HG22	1.76	0.65
1:8A:448:ALA:HB3	2:8e:57:MET:CA	2.11	0.65
1:1K:203:PRO:HA	1:1K:209:ALA:HB1	1.78	0.65
1:6H:252:ASP:OD1	1:6H:252:ASP:C	2.37	0.65
1:1Y:447:GLN:HG3	2:1u:44:VAL:HG21	1.75	0.65
1:7Y:446:ALA:HB1	2:7w:42:VAL:O	1.96	0.65
2:1h:8:ARG:O	2:1h:8:ARG:CG	2.44	0.65
2:2Z:214:PRO:CD	2:1l:225:MET:CG	2.73	0.65
2:2Z:236:ALA:H	2:1l:242:LEU:HD11	1.61	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:240:THR:O	2:4e:246:LYS:HE2	1.95	0.65
2:5e:229:GLY:CA	2:6g:231:PRO:HG3	2.26	0.65
2:6g:8:ARG:O	2:6g:8:ARG:CG	2.44	0.65
2:8e:175:PHE:HD1	2:9F:171:GLN:CD	2.02	0.65
2:8e:254:SER:O	2:9O:263:VAL:HG13	1.96	0.65
2:8g:263:VAL:HG13	2:8k:254:SER:O	1.96	0.65
2:9F:222:LEU:HD23	2:9O:209:LEU:HD11	1.77	0.65
2:1i:246:LYS:CB	2:2e:239:THR:O	2.42	0.65
2:1k:263:VAL:CG1	2:3k:256:ALA:H	2.06	0.65
2:1k:270:ILE:HD13	2:3k:251:VAL:CG2	2.25	0.65
2:2f:226:ILE:HA	2:3j:219:LYS:HA	1.78	0.65
2:2g:119:SER:HB3	2:3i:126:LYS:HB2	1.79	0.65
2:2h:202:SER:CB	2:3p:193:LYS:HD3	2.22	0.65
2:5h:242:LEU:HB3	2:7f:244:GLY:HA3	1.78	0.65
2:8m:209:LEU:HD11	2:9H:222:LEU:HD23	1.77	0.65
2:1o:41:TYR:CE2	2:1o:57:MET:HE3	2.30	0.65
2:1o:149[B]:ILE:CG2	2:3o:158[B]:ILE:HG23	2.24	0.65
2:2l:240:THR:O	2:4i:246:LYS:HE2	1.95	0.65
2:5i:229:GLY:CA	2:6o:231:PRO:HG3	2.26	0.65
2:6o:226:ILE:CB	2:7j:222:LEU:CB	2.72	0.65
2:7m:167:LYS:HG2	2:8v:173:LEU:O	1.96	0.65
2:7m:246:LYS:C	2:8v:237:ALA:HB1	2.21	0.65
2:8q:174:LEU:CD2	2:9H:170:LEU:HD13	2.25	0.65
2:2p:62:ALA:HB1	2:2p:110:LEU:O	1.96	0.65
2:2s:232:TYR:HD2	2:3w:232:TYR:CD2	2.04	0.65
2:4k:41:TYR:CE2	2:4k:57:MET:HE3	2.30	0.65
2:6r:247:LYS:N	2:7u:238:THR:C	2.43	0.65
2:7r:171:GLN:NE2	2:9L:174:LEU:O	2.29	0.65
2:7r:246:LYS:HE2	2:9L:242:LEU:N	2.11	0.65
2:7s:98:ALA:HA	2:7s:110:LEU:HD23	1.78	0.65
2:1v:247:LYS:CG	2:3v:239:THR:HG22	2.22	0.65
2:1x:76:ASN:ND2	2:1x:116:LYS:HD2	2.11	0.65
2:5m:259:VAL:HG11	2:6w:257:THR:C	2.18	0.65
2:9N:98:ALA:CA	2:9N:110:LEU:CB	2.54	0.65
1:5A:136:ARG:NH2	1:5A:140:TYR:OH	2.29	0.65
1:5K:201:ASP:HB2	1:5K:343:SER:CB	2.27	0.65
1:1P:444:GLY:HA2	2:1p:44:VAL:HG21	1.78	0.65
1:1P:445:GLY:N	2:1p:44:VAL:CG2	2.59	0.65
1:2N:181:TYR:OH	1:2O:39:ALA:O	2.14	0.65
1:3R:448:ALA:CA	2:3m:41:TYR:CD1	2.79	0.65
1:8R:445:GLY:O	2:8s:44:VAL:CG2	2.44	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2Q:395:ALA:HB3	2:2q:107:LEU:HG	1.79	0.65
1:4S:202:GLU:HG2	1:4S:343:SER:CB	2.27	0.65
1:7P:447:GLN:HG2	2:7s:42:VAL:HG13	1.77	0.65
1:8T:448:ALA:HB3	2:8x:57:MET:CE	2.26	0.65
1:2U:314:ASN:OD1	1:2U:314:ASN:C	2.35	0.65
1:5Y:136:ARG:NH2	1:5Y:140:TYR:OH	2.29	0.65
1:5Y:438:ARG:O	1:5Y:438:ARG:HG3	1.96	0.65
1:5c:201:ASP:HB2	1:5c:343:SER:CB	2.27	0.65
1:6Z:446:ALA:O	2:6w:55:VAL:HA	1.96	0.65
1:8Y:392:THR:CG2	2:9M:107:LEU:HD21	2.25	0.65
1:8b:447:GLN:CG	2:9Q:44:VAL:HG21	2.23	0.65
2:1g:279:ILE:HB	2:3g:272:VAL:HG11	1.79	0.65
2:5e:126:LYS:HG2	2:6g:119:SER:HB3	1.77	0.65
2:7d:61:ALA:HB1	2:9P:57:MET:HB3	1.78	0.65
2:1k:98:ALA:CA	2:1k:110:LEU:CB	2.54	0.65
2:1k:245:VAL:CG2	2:3k:245:VAL:HG21	2.26	0.65
2:2i:27:ILE:CA	2:1o:73:VAL:HG11	2.26	0.65
2:5g:273:LEU:HD13	2:6k:273:LEU:HD21	1.78	0.65
2:6j:99:VAL:CG2	2:6j:109:THR:O	2.41	0.65
2:8k:199:LEU:HD13	2:9G:186:ALA:HA	1.77	0.65
2:8m:41:TYR:CZ	2:8q:97:TYR:OH	2.48	0.65
2:8m:263:VAL:HG13	2:8q:254:SER:O	1.96	0.65
2:8m:279:ILE:HG21	2:8q:251:VAL:CG1	2.27	0.65
2:2j:214:PRO:CG	2:1t:225:MET:CG	2.74	0.65
2:4i:98:ALA:CA	2:4i:110:LEU:CB	2.54	0.65
2:1r:226:ILE:HG12	2:3r:226:ILE:HD12	1.78	0.65
2:2o:41:TYR:CE2	2:2o:42:VAL:O	2.48	0.65
2:2o:214:PRO:HD2	2:1x:225:MET:HG3	1.78	0.65
2:2s:190:ASP:OD1	2:3w:202:SER:OG	2.13	0.65
2:6s:226:ILE:O	2:7o:219:LYS:C	2.39	0.65
2:8y:247:LYS:HG2	2:9J:239:THR:HG23	1.76	0.65
2:8z:57:MET:HB3	2:7x:61:ALA:HB1	1.78	0.65
2:1w:270:ILE:HD13	2:3w:251:VAL:CG2	2.26	0.65
2:1w:277:GLY:HA3	2:3w:247:LYS:HE3	1.75	0.65
2:2u:41:TYR:CE2	2:2u:42:VAL:O	2.48	0.65
2:6w:239:THR:CA	2:7t:246:LYS:HB3	2.26	0.65
2:7w:62:ALA:HB1	2:7w:110:LEU:O	1.96	0.65
1:1C:445:GLY:HA2	2:1g:54:GLN:O	1.95	0.65
1:7E:446:ALA:HA	2:7c:44:VAL:HG22	1.78	0.65
1:3I:444:GLY:N	2:3l:45:LYS:HZ2	1.94	0.65
1:6K:448:ALA:HB2	2:6j:41:TYR:CD2	2.30	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8J:447:GLN:HB3	2:8o:56:ASN:HB2	1.78	0.65
1:5Q:447:GLN:CG	2:5i:44:VAL:CG2	2.70	0.65
1:6M:448:ALA:HB3	2:6p:41:TYR:CD2	2.30	0.65
1:1W:207:THR:CB	1:1X:355:SER:HG	2.10	0.65
1:3W:228:GLN:OE1	1:3W:228:GLN:N	2.23	0.65
2:1h:227:GLY:CA	2:2t:223:ARG:HH11	2.08	0.65
2:2a:226:ILE:HA	2:3f:219:LYS:HA	1.79	0.65
2:2d:248:GLY:O	2:3k:280:SER:CA	2.44	0.65
2:3g:266:LEU:HD21	2:2x:266:LEU:HA	1.79	0.65
2:6g:226:ILE:O	2:7Z:219:LYS:C	2.39	0.65
2:6g:228:ALA:CB	2:7Z:223:ARG:HG2	2.25	0.65
2:6h:269:LEU:HD22	2:7c:270:ILE:CG1	2.27	0.65
2:7a:57:MET:CE	2:6v:111:VAL:CG2	2.71	0.65
2:7a:98:ALA:HA	2:7a:110:LEU:HD23	1.78	0.65
2:8e:201:VAL:C	2:9F:193:LYS:CE	2.69	0.65
2:9F:19:LEU:HD12	2:9F:41:TYR:CD2	2.20	0.65
2:1i:247:LYS:CA	2:2e:239:THR:HG22	2.12	0.65
2:2h:57:MET:CE	2:3p:111:VAL:HG22	2.26	0.65
2:5g:98:ALA:CA	2:5g:110:LEU:CB	2.54	0.65
2:6i:145:ARG:HG2	2:8o:148[A]:ILE:HG22	1.78	0.65
2:6i:148[B]:ILE:CD1	2:7l:148[B]:ILE:CD1	2.75	0.65
2:7h:254:SER:CA	2:8p:267:ASN:ND2	2.59	0.65
2:1n:223:ARG:HD3	2:3n:227:GLY:O	1.93	0.65
2:1n:239:THR:HG23	2:2k:247:LYS:HB3	1.78	0.65
2:2j:214:PRO:HD2	2:1t:225:MET:HG3	1.78	0.65
2:2k:226:ILE:HA	2:3n:219:LYS:HA	1.79	0.65
2:2m:98:ALA:HA	2:2m:110:LEU:HD23	1.78	0.65
2:2m:180:VAL:HG11	2:3t:184:LEU:CD2	2.25	0.65
2:5i:41:TYR:CE2	2:5i:57:MET:HE3	2.30	0.65
2:5i:99:VAL:CG2	2:5i:109:THR:O	2.41	0.65
2:6m:148[B]:ILE:CD1	2:7q:148[B]:ILE:CD1	2.75	0.65
2:6n:225:MET:HG2	2:5l:214:PRO:HG3	1.77	0.65
2:7m:246:LYS:HE2	2:8v:242:LEU:N	2.11	0.65
2:7m:254:SER:CB	2:8v:267:ASN:HD21	2.08	0.65
2:7n:98:ALA:HA	2:7n:110:LEU:HD23	1.78	0.65
2:1q:223:ARG:HG2	2:2o:226:ILE:HG13	1.77	0.65
2:1s:149[B]:ILE:CG2	2:3s:158[B]:ILE:HG23	2.24	0.65
2:1s:280:SER:CA	2:3s:250:ALA:N	2.59	0.65
2:2q:98:ALA:HA	2:2q:110:LEU:HD23	1.78	0.65
2:2q:119:SER:HB3	2:3q:126:LYS:HB2	1.78	0.65
2:6s:125:ILE:HG12	2:7o:120:ILE:CD1	2.25	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:228:ALA:CB	2:7o:223:ARG:HG2	2.25	0.65
2:7p:62:ALA:HB1	2:7p:110:LEU:O	1.96	0.65
2:8x:99:VAL:CG2	2:8x:109:THR:O	2.41	0.65
2:8y:223:ARG:CA	2:9J:226:ILE:HD12	2.25	0.65
2:8y:244:GLY:HA2	2:9J:243:GLY:N	2.10	0.65
2:1w:279:ILE:HG22	2:3w:248:GLY:HA3	1.76	0.65
2:2v:119:SER:HB3	2:3u:126:LYS:HB2	1.79	0.65
2:3u:236:ALA:HB2	2:4m:242:LEU:HD11	1.78	0.65
2:3u:247:LYS:N	2:4m:238:THR:O	2.29	0.65
2:6u:246:LYS:HE2	2:9Q:242:LEU:HG	1.79	0.65
2:6u:257:THR:O	2:9Q:259:VAL:HG21	1.94	0.65
2:6w:125:ILE:HG12	2:7t:120:ILE:CD1	2.25	0.65
2:7w:254:SER:CB	2:9R:267:ASN:HD21	2.08	0.65
1:4A:200:ILE:HG22	1:4A:216:LYS:HD2	1.77	0.65
1:6L:445:GLY:H	2:6i:45:LYS:CD	2.08	0.65
1:7L:25:ARG:NH1	2:8v:51:ASP:OD1	2.30	0.65
1:9C:110:TYR:CD2	1:9C:110:TYR:O	2.49	0.65
1:1W:203:PRO:HA	1:1W:209:ALA:HB1	1.77	0.65
1:5W:201:ASP:HB2	1:5W:343:SER:CB	2.27	0.65
1:6T:252:ASP:OD1	1:6T:252:ASP:C	2.37	0.65
1:7S:26:ASN:OD1	2:6m:51:ASP:OD1	2.14	0.65
1:2U:405:SER:O	2:2w:44:VAL:O	2.15	0.65
1:2X:181:TYR:OH	1:2Y:39:ALA:O	2.14	0.65
1:7Y:445:GLY:HA2	2:7w:45:LYS:HB3	1.79	0.65
1:8b:446:ALA:C	2:9Q:44:VAL:HG23	2.21	0.65
2:1h:225:MET:HG3	2:2t:214:PRO:HD2	1.78	0.65
2:2Z:223:ARG:HH11	2:1l:227:GLY:CA	2.08	0.65
2:2b:247:LYS:CB	2:3e:239:THR:HG23	2.20	0.65
2:2d:214:PRO:CD	2:3k:225:MET:HG2	2.27	0.65
2:6f:240:THR:CA	2:5h:246:LYS:HD3	2.24	0.65
2:6f:273:LEU:HD21	2:7f:279:ILE:HG21	1.79	0.65
2:6g:280:SER:CB	2:7Z:247:LYS:HE2	2.27	0.65
2:7b:148[B]:ILE:CD1	2:6u:148[B]:ILE:CD1	2.75	0.65
2:8e:175:PHE:CE1	2:9F:171:GLN:CD	2.71	0.65
2:8e:278:ILE:HG23	2:9F:278:ILE:CB	2.17	0.65
2:8g:28:ILE:HB	2:8k:73:VAL:HG13	1.77	0.65
2:9F:62:ALA:HB1	2:9F:110:LEU:O	1.96	0.65
2:1j:226:ILE:HG12	2:3j:226:ILE:HD12	1.78	0.65
2:1k:110:LEU:HD22	2:1k:110:LEU:C	2.22	0.65
2:2f:238:THR:C	2:3j:247:LYS:CB	2.61	0.65
2:2h:98:ALA:HA	2:2h:110:LEU:HD23	1.78	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:98:ALA:HA	2:2i:110:LEU:HD23	1.78	0.65
2:5g:278:ILE:CG2	2:6k:278:ILE:CD1	2.68	0.65
2:6i:8:ARG:O	2:6i:8:ARG:CG	2.44	0.65
2:6j:110:LEU:HD22	2:6j:110:LEU:C	2.22	0.65
2:6k:202:SER:N	2:7e:193:LYS:HD3	2.12	0.65
2:7h:62:ALA:HB1	2:7h:110:LEU:O	1.96	0.65
2:7h:246:LYS:HE2	2:8p:242:LEU:N	2.11	0.65
2:8k:279:ILE:CB	2:9G:272:VAL:HG12	2.26	0.65
2:8m:244:GLY:HA2	2:9H:243:GLY:N	2.10	0.65
2:8m:247:LYS:HG2	2:9H:239:THR:HG23	1.76	0.65
2:8m:266:LEU:CG	2:8q:254:SER:HB3	2.25	0.65
2:2l:200:LEU:HD22	2:4i:200:LEU:CD1	2.27	0.65
2:6m:162:THR:OG1	2:8u:173:LEU:O	2.08	0.65
2:8q:232:TYR:CD1	2:9H:232:TYR:CB	2.75	0.65
2:8q:279:ILE:CB	2:9H:272:VAL:HG12	2.26	0.65
2:8s:279:ILE:HG21	2:8w:251:VAL:CG1	2.27	0.65
2:1s:200:LEU:HA	2:3s:193:LYS:HG2	1.76	0.65
2:2p:226:ILE:HA	2:3r:219:LYS:HA	1.78	0.65
2:2q:225:MET:O	2:4k:219:LYS:HG2	1.96	0.65
2:2r:57:MET:CE	2:3x:111:VAL:HG22	2.26	0.65
2:2s:234:LEU:HD23	2:3w:243:GLY:HA2	1.74	0.65
2:2s:266:LEU:HA	2:3w:266:LEU:HD21	1.78	0.65
2:5k:263:VAL:HG21	2:6s:256:ALA:CA	2.24	0.65
2:6t:99:VAL:CG2	2:6t:109:THR:O	2.41	0.65
2:7r:246:LYS:C	2:9L:237:ALA:HB1	2.21	0.65
2:8y:263:VAL:HG13	2:9M:254:SER:O	1.96	0.65
2:1w:245:VAL:CG2	2:3w:245:VAL:HG21	2.26	0.65
2:2v:225:MET:O	2:4m:219:LYS:HG2	1.96	0.65
2:5m:259:VAL:HG13	2:6w:258:ASP:C	2.20	0.65
2:6v:41:TYR:CE2	2:6v:57:MET:HE3	2.30	0.65
2:6x:269:LEU:HD22	2:7w:270:ILE:CG1	2.27	0.65
2:7w:145:ARG:HG2	2:9R:148[A]:ILE:HG22	1.77	0.65
2:7w:232:TYR:HD2	2:9R:232:TYR:CD2	2.15	0.65
2:9R:8:ARG:O	2:9R:8:ARG:CG	2.44	0.65
1:1E:207:THR:CB	1:1F:355:SER:HG	2.09	0.65
1:4A:202:GLU:HG2	1:4A:343:SER:CB	2.27	0.65
1:7C:444:GLY:CA	2:7a:45:LYS:HZ2	2.09	0.65
1:8F:208:GLY:O	1:8F:212:GLU:CG	2.33	0.65
1:2F:314:ASN:OD1	1:2F:314:ASN:C	2.36	0.65
1:5H:68:ARG:NH1	1:5H:68:ARG:HB3	2.12	0.65
1:5L:446:ALA:CB	2:5h:56:ASN:CB	2.74	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9B:26:ASN:OD1	2:9M:52:LEU:HB2	1.96	0.65
1:5N:68:ARG:HB3	1:5N:68:ARG:NH1	2.12	0.65
1:4Y:200:ILE:CD1	1:4Y:213:PHE:CD1	2.78	0.65
1:4Y:202:GLU:HG2	1:4Y:343:SER:CB	2.27	0.65
1:7V:407:ASN:HB2	2:7v:45:LYS:CG	2.21	0.65
2:1g:277:GLY:HA3	2:3g:247:LYS:HE3	1.75	0.65
2:2a:57:MET:CE	2:3f:111:VAL:CG2	2.71	0.65
2:2c:242:LEU:N	2:3l:234:LEU:CD2	2.60	0.65
2:2d:196:LEU:HD13	2:3k:200:LEU:HD23	1.77	0.65
2:3e:8:ARG:O	2:3e:8:ARG:CG	2.44	0.65
2:3h:174:LEU:HD11	2:2w:174:LEU:CD2	2.21	0.65
2:5e:234:LEU:HD12	2:6g:234:LEU:HD22	1.77	0.65
2:8g:244:GLY:HA2	2:9G:243:GLY:N	2.10	0.65
2:9F:226:ILE:CG2	2:9O:222:LEU:CG	2.68	0.65
2:9F:239:THR:C	2:9O:246:LYS:CB	2.47	0.65
2:2h:201:VAL:CG1	2:3p:210:LEU:CD2	2.63	0.65
2:3i:247:LYS:N	2:4g:238:THR:O	2.29	0.65
2:3j:99:VAL:CG2	2:3j:109:THR:O	2.41	0.65
2:4h:97:TYR:OH	2:3p:41:TYR:OH	1.96	0.65
2:5g:280:SER:O	2:6k:250:ALA:CB	2.44	0.65
2:6i:246:LYS:HE2	2:8o:242:LEU:HG	1.79	0.65
2:6i:269:LEU:HD22	2:8o:269:LEU:CD2	2.14	0.65
2:6k:239:THR:CA	2:7e:246:LYS:HB3	2.26	0.65
2:6l:41:TYR:CE2	2:6l:57:MET:HE3	2.30	0.65
2:8n:57:MET:HB3	2:7n:61:ALA:HB1	1.78	0.65
2:1m:246:LYS:CB	2:2j:239:THR:O	2.42	0.65
2:1o:266:LEU:CG	2:3o:266:LEU:N	2.60	0.65
2:2j:62:ALA:HB1	2:2j:110:LEU:O	1.96	0.65
2:2k:98:ALA:HA	2:2k:110:LEU:HD23	1.78	0.65
2:2k:240:THR:O	2:3n:246:LYS:CE	2.41	0.65
2:2l:119:SER:HB3	2:3m:126:LYS:HB2	1.79	0.65
2:2n:120:ILE:CD1	2:3s:125:ILE:HG12	2.24	0.65
2:2n:158[B]:ILE:HD12	2:3s:154:ALA:HB1	1.77	0.65
2:3p:99:VAL:CG2	2:3p:109:THR:O	2.41	0.65
2:4i:110:LEU:HD22	2:4i:110:LEU:C	2.22	0.65
2:5j:242:LEU:HB3	2:7k:244:GLY:HA3	1.78	0.65
2:6m:145:ARG:HG2	2:8u:148[A]:ILE:HG22	1.78	0.65
2:6o:280:SER:CB	2:7j:247:LYS:HE2	2.27	0.65
2:6p:110:LEU:HD22	2:6p:110:LEU:C	2.22	0.65
2:6p:219:LYS:HG2	2:7m:226:ILE:HA	1.77	0.65
2:6p:269:LEU:HD22	2:7m:270:ILE:CG1	2.27	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7k:98:ALA:HA	2:7k:110:LEU:HD23	1.78	0.65
2:8s:141:PRO:HB2	2:9I:150:GLU:OE1	1.95	0.65
2:2s:262:ALA:CB	2:3w:263:VAL:HG22	2.24	0.65
2:6s:226:ILE:HG21	2:7o:222:LEU:HD13	1.70	0.65
2:7r:62:ALA:HB1	2:7r:110:LEU:O	1.96	0.65
2:7r:145:ARG:HG2	2:9L:148[A]:ILE:HG22	1.77	0.65
2:8w:201:VAL:C	2:9I:193:LYS:CE	2.69	0.65
2:1u:110:LEU:HD22	2:1u:110:LEU:C	2.22	0.65
2:1v:239:THR:HG23	2:2u:247:LYS:HB3	1.78	0.65
2:2v:200:LEU:HD22	2:4m:200:LEU:CD1	2.27	0.65
2:2v:210:LEU:CD2	2:3u:206:VAL:CG1	2.67	0.65
2:2v:240:THR:O	2:4m:246:LYS:HE2	1.95	0.65
2:2v:273:LEU:CD2	2:3u:279:ILE:HG21	2.01	0.65
2:3x:110:LEU:HD22	2:3x:110:LEU:C	2.22	0.65
2:4n:8:ARG:O	2:4n:8:ARG:CG	2.44	0.65
2:7w:158[A]:ILE:HA	2:9R:154:ALA:HB1	1.79	0.65
2:7w:232:TYR:CD2	2:9R:232:TYR:CD2	2.85	0.65
2:7w:246:LYS:C	2:9R:237:ALA:HB1	2.21	0.65
2:7x:57:MET:HE3	2:9N:61:ALA:CB	2.22	0.65
1:2D:181:TYR:OH	1:2E:39:ALA:O	2.14	0.65
1:5B:68:ARG:HB3	1:5B:68:ARG:NH1	2.12	0.65
1:8D:228:GLN:OE1	1:8D:228:GLN:N	2.20	0.65
1:8F:314:ASN:OD1	1:8F:314:ASN:C	2.39	0.65
1:2H:28:GLN:HE21	2:4h:27:ILE:HD11	1.59	0.65
1:4G:200:ILE:CD1	1:4G:213:PHE:CD1	2.78	0.65
1:4G:202:GLU:HG2	1:4G:343:SER:CB	2.27	0.65
1:9B:110:TYR:CD2	1:9B:110:TYR:O	2.49	0.65
1:2N:448:ALA:HB2	2:2j:41:TYR:HA	1.78	0.65
1:6R:446:ALA:N	2:6m:44:VAL:HG22	2.10	0.65
1:8R:447:GLN:HB3	2:8s:44:VAL:HG21	1.79	0.65
1:5U:245:GLU:OE1	1:5U:245:GLU:N	2.19	0.65
1:7S:392:THR:CA	2:7o:46:ASP:OD2	2.44	0.65
1:6c:444:GLY:HA2	2:6v:45:LYS:HD2	1.78	0.65
1:7W:392:THR:N	2:7u:46:ASP:OD2	2.29	0.65
1:8Z:202:GLU:O	1:8Z:204:THR:N	2.30	0.65
1:8b:228:GLN:OE1	1:8b:228:GLN:N	2.20	0.65
2:1g:120:ILE:HD11	2:2x:120:ILE:HD12	1.66	0.65
2:1g:270:ILE:HD13	2:3g:251:VAL:CG2	2.26	0.65
2:2b:119:SER:HB3	2:3e:126:LYS:HB2	1.79	0.65
2:2c:203:ASN:HD22	2:3l:212:GLY:N	1.87	0.65
2:2d:234:LEU:CD2	2:3k:243:GLY:CA	2.65	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3f:110:LEU:HD22	2:3f:110:LEU:C	2.22	0.65
2:6h:110:LEU:HD22	2:6h:110:LEU:C	2.22	0.65
2:7a:279:ILE:HG21	2:6v:273:LEU:HD21	1.79	0.65
2:7c:232:TYR:CD2	2:8j:232:TYR:CD2	2.85	0.65
2:7c:246:LYS:HE2	2:8j:242:LEU:N	2.11	0.65
2:8e:8:ARG:O	2:8e:8:ARG:CG	2.44	0.65
2:8f:110:LEU:HD22	2:8f:110:LEU:C	2.22	0.65
2:9F:243:GLY:N	2:9O:244:GLY:CA	2.60	0.65
2:1i:234:LEU:CD2	2:2e:242:LEU:CB	2.48	0.65
2:2h:242:LEU:N	2:3p:234:LEU:CD2	2.60	0.65
2:2i:158[B]:ILE:HD12	2:3o:154:ALA:HB1	1.77	0.65
2:3j:110:LEU:HD22	2:3j:110:LEU:C	2.22	0.65
2:4g:110:LEU:HD22	2:4g:110:LEU:C	2.22	0.65
2:6i:99:VAL:HA	2:8o:28:ILE:HD12	1.79	0.65
2:6j:225:MET:HG2	2:5j:214:PRO:HG3	1.77	0.65
2:8k:116:LYS:HA	2:8k:116:LYS:CE	2.22	0.65
2:8m:99:VAL:CG2	2:8m:109:THR:O	2.40	0.65
2:8m:110:LEU:HD22	2:8m:110:LEU:C	2.22	0.65
2:1o:110:LEU:HD22	2:1o:110:LEU:C	2.22	0.65
2:1o:270:ILE:HD13	2:3o:251:VAL:CG2	2.26	0.65
2:1o:280:SER:CA	2:3o:250:ALA:N	2.59	0.65
2:2l:98:ALA:HA	2:2l:110:LEU:HD23	1.78	0.65
2:6m:246:LYS:HE2	2:8u:242:LEU:HG	1.79	0.65
2:7m:98:ALA:HA	2:7m:110:LEU:HD23	1.78	0.65
2:7m:232:TYR:CD2	2:8v:232:TYR:CD2	2.85	0.65
2:8s:209:LEU:HD11	2:9l:222:LEU:HD23	1.77	0.65
2:1s:270:ILE:HD13	2:3s:251:VAL:CG2	2.26	0.65
2:1t:8:ARG:O	2:1t:8:ARG:CG	2.44	0.65
2:2q:242:LEU:CD2	2:4k:244:GLY:C	2.64	0.65
2:2s:196:LEU:HD13	2:3w:200:LEU:HD23	1.77	0.65
2:4l:116:LYS:HA	2:4l:116:LYS:CE	2.22	0.65
2:5k:110:LEU:HD22	2:5k:110:LEU:C	2.22	0.65
2:6q:8:ARG:O	2:6q:8:ARG:CG	2.44	0.65
2:7p:98:ALA:HA	2:7p:110:LEU:HD23	1.78	0.65
2:8y:110:LEU:HD22	2:8y:110:LEU:C	2.22	0.65
2:9L:8:ARG:O	2:9L:8:ARG:CG	2.44	0.65
2:3u:8:ARG:O	2:3u:8:ARG:CG	2.44	0.65
2:3u:232:TYR:CD2	2:4m:232:TYR:CZ	2.84	0.65
2:4m:41:TYR:CE2	2:4m:57:MET:HE3	2.30	0.65
2:5m:234:LEU:HD12	2:6w:234:LEU:HD22	1.77	0.65
2:6w:280:SER:CB	2:7t:247:LYS:HE2	2.27	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:175:PHE:HD1	2:9J:171:GLN:CD	2.03	0.65
1:2A:447:GLN:O	2:2c:41:TYR:CD1	2.50	0.65
1:8L:447:GLN:CD	2:8m:44:VAL:CG2	2.70	0.65
1:4M:200:ILE:HG22	1:4M:216:LYS:HD2	1.77	0.65
1:7O:25:ARG:NH2	2:5j:51:ASP:OD1	2.30	0.65
1:8N:202:GLU:O	1:8N:204:THR:N	2.30	0.65
1:4S:200:ILE:HG22	1:4S:216:LYS:HD2	1.77	0.65
1:8X:446:ALA:HA	2:8y:42:VAL:O	1.96	0.65
1:3a:202:GLU:HB2	1:3a:343:SER:HB3	1.72	0.65
1:5Z:68:ARG:HB3	1:5Z:68:ARG:NH1	2.12	0.65
1:6Z:407:ASN:OD1	2:6w:45:LYS:HB2	1.97	0.65
1:8d:314:ASN:OD1	1:8d:314:ASN:C	2.39	0.65
2:2Z:119:SER:CA	2:1l:124:ASP:O	2.43	0.65
2:2Z:196:LEU:HB3	2:1l:200:LEU:HD22	1.76	0.65
2:2a:62:ALA:HB1	2:2a:110:LEU:O	1.96	0.65
2:2b:200:LEU:HD22	2:4e:200:LEU:CD1	2.27	0.65
2:5e:269:LEU:CD2	2:6g:269:LEU:HD23	2.16	0.65
2:6e:251:VAL:HG12	2:8i:279:ILE:CD1	2.21	0.65
2:7Z:62:ALA:HB1	2:7Z:110:LEU:O	1.96	0.65
2:7c:171:GLN:NE2	2:8j:174:LEU:O	2.29	0.65
2:8e:73:VAL:HG13	2:9O:28:ILE:HB	1.77	0.65
2:8g:110:LEU:HD22	2:8g:110:LEU:C	2.22	0.65
2:8g:279:ILE:HG21	2:8k:251:VAL:CG1	2.27	0.65
2:1j:244:GLY:CA	2:3j:242:LEU:CB	2.69	0.65
2:1k:273:LEU:HD12	2:3k:269:LEU:HD11	0.68	0.65
2:2i:214:PRO:CD	2:3o:225:MET:HG2	2.26	0.65
2:5g:229:GLY:CA	2:6k:231:PRO:HG3	2.26	0.65
2:5g:234:LEU:HD12	2:6k:234:LEU:HD22	1.77	0.65
2:6k:226:ILE:HD12	2:7e:222:LEU:C	2.20	0.65
2:6k:227:GLY:CA	2:7e:223:ARG:NH1	2.49	0.65
2:2m:201:VAL:HA	2:3t:197:GLN:HG2	1.79	0.65
2:5i:110:LEU:HD22	2:5i:110:LEU:C	2.22	0.65
2:6o:239:THR:CA	2:7j:246:LYS:HB3	2.26	0.65
2:8s:110:LEU:HD22	2:8s:110:LEU:C	2.22	0.65
2:8u:110:LEU:HD22	2:8u:110:LEU:C	2.22	0.65
2:9H:62:ALA:HB1	2:9H:110:LEU:O	1.96	0.65
2:1q:226:ILE:HD11	2:2o:226:ILE:CD1	2.19	0.65
2:1s:41:TYR:CE2	2:1s:57:MET:HE3	2.30	0.65
2:2s:119:SER:HA	2:3w:124:ASP:O	1.97	0.65
2:2s:214:PRO:CD	2:3w:225:MET:HG2	2.26	0.65
2:3t:110:LEU:HD22	2:3t:110:LEU:C	2.22	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:126:LYS:HG2	2:6s:119:SER:HB3	1.77	0.65
2:5k:229:GLY:CA	2:6s:231:PRO:HG3	2.26	0.65
2:6q:99:VAL:HA	2:9K:28:ILE:HD12	1.79	0.65
2:6r:239:THR:HG23	2:5n:247:LYS:CB	2.23	0.65
2:6t:110:LEU:HD22	2:6t:110:LEU:C	2.22	0.65
2:7r:98:ALA:HA	2:7r:110:LEU:HD23	1.78	0.65
2:7r:158[A]:ILE:HA	2:9L:154:ALA:HB1	1.79	0.65
2:7r:232:TYR:HD2	2:9L:232:TYR:CD2	2.15	0.65
2:8y:244:GLY:CA	2:9J:243:GLY:N	2.60	0.65
2:1u:246:LYS:CB	2:2t:239:THR:O	2.42	0.65
2:1v:226:ILE:HG12	2:3v:226:ILE:HD12	1.78	0.65
2:2u:226:ILE:HA	2:3v:219:LYS:HA	1.78	0.65
2:2u:240:THR:O	2:3v:246:LYS:CE	2.41	0.65
2:4n:116:LYS:HA	2:4n:116:LYS:CE	2.22	0.65
2:5m:263:VAL:HG21	2:6w:256:ALA:CA	2.24	0.65
2:5m:263:VAL:HG23	2:6w:262:ALA:HB2	1.78	0.65
2:5m:280:SER:O	2:6w:250:ALA:CB	2.44	0.65
2:5n:242:LEU:HB3	2:7u:244:GLY:HA3	1.78	0.65
2:6u:76:ASN:ND2	2:6u:116:LYS:HD2	2.11	0.65
2:7t:98:ALA:HA	2:7t:110:LEU:HD23	1.78	0.65
2:7w:76:ASN:OD1	2:9R:21:TYR:OH	2.08	0.65
2:7w:265:ASP:CB	2:9R:266:LEU:HD21	2.26	0.65
2:7x:62:ALA:HB1	2:7x:110:LEU:O	1.96	0.65
2:9O:41:TYR:CE2	2:9O:57:MET:HE3	2.30	0.65
1:7A:448:ALA:HB3	2:7d:58:TYR:N	2.09	0.65
1:3I:447:GLN:O	2:3I:41:TYR:HB3	1.97	0.65
1:5Q:201:ASP:HB2	1:5Q:343:SER:CB	2.27	0.65
1:9C:28:GLN:NE2	2:8e:27:ILE:HD11	2.12	0.65
1:1V:393:GLY:CA	2:1t:107:LEU:CD1	2.75	0.65
1:2Q:357:ASN:OD1	1:2Q:358:ILE:HG22	1.97	0.65
1:2U:447:GLN:O	2:2w:41:TYR:CE1	2.43	0.65
1:6c:228:GLN:OE1	1:6c:228:GLN:N	2.25	0.65
1:7X:447:GLN:HG3	2:7t:44:VAL:CG2	2.26	0.65
1:7Y:447:GLN:C	2:7w:41:TYR:CE1	2.75	0.65
2:1f:226:ILE:HG12	2:3f:226:ILE:HD12	1.78	0.65
2:2a:226:ILE:HB	2:3f:222:LEU:HB2	1.79	0.65
2:3g:280:SER:CA	2:2x:248:GLY:O	2.44	0.65
2:3h:212:GLY:N	2:2w:203:ASN:HD22	1.88	0.65
2:5e:149[B]:ILE:HG23	2:6g:158[B]:ILE:CG2	2.26	0.65
2:5e:223:ARG:HD3	2:7Z:226:ILE:O	1.97	0.65
2:5e:263:VAL:HG23	2:6g:262:ALA:HB2	1.78	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:148[B]:ILE:CD1	2:7g:148[B]:ILE:CD1	2.75	0.65
2:6e:255:THR:HA	2:8i:263:VAL:CG1	2.27	0.65
2:7c:259:VAL:CA	2:8j:259:VAL:HG22	2.27	0.65
2:8e:199:LEU:HD13	2:9F:186:ALA:HA	1.77	0.65
2:8e:270:ILE:H	2:9F:269:LEU:CD2	2.08	0.65
2:8i:110:LEU:HD22	2:8i:110:LEU:C	2.22	0.65
2:9F:243:GLY:N	2:9O:244:GLY:HA2	2.11	0.65
2:5g:237:ALA:HB1	2:6k:247:LYS:N	2.12	0.65
2:6j:247:LYS:C	2:7k:239:THR:HG22	2.15	0.65
2:6k:228:ALA:CB	2:7e:223:ARG:HG2	2.25	0.65
2:7h:259:VAL:CA	2:8p:259:VAL:HG22	2.27	0.65
2:7i:226:ILE:HD13	2:8l:226:ILE:CD1	2.24	0.65
2:8l:110:LEU:HD22	2:8l:110:LEU:C	2.22	0.65
2:8n:239:THR:HA	2:7n:247:LYS:CA	2.27	0.65
2:2j:223:ARG:CD	2:1t:227:GLY:O	2.44	0.65
2:7l:98:ALA:HA	2:7l:110:LEU:HD23	1.78	0.65
2:8s:129:GLY:HA3	2:8w:139:ASN:HA	1.79	0.65
2:8s:244:GLY:CA	2:9l:243:GLY:N	2.60	0.65
2:1q:209:LEU:CG	2:2o:206:VAL:HG22	2.27	0.65
2:2s:248:GLY:O	2:3w:280:SER:CA	2.44	0.65
2:3q:236:ALA:HB2	2:4k:242:LEU:HD11	1.78	0.65
2:3r:110:LEU:HD22	2:3r:110:LEU:C	2.22	0.65
2:3s:8:ARG:O	2:3s:8:ARG:CG	2.44	0.65
2:4l:8:ARG:O	2:4l:8:ARG:CG	2.44	0.65
2:6q:158[B]:ILE:HD11	2:9K:158[B]:ILE:HD11	1.76	0.65
2:6t:269:LEU:HD22	2:7r:270:ILE:CG1	2.27	0.65
2:8w:227:GLY:CA	2:9l:219:LYS:NZ	2.54	0.65
2:8y:129:GLY:HA3	2:9M:139:ASN:HA	1.79	0.65
2:8z:239:THR:HA	2:7x:247:LYS:CA	2.27	0.65
2:1u:210:LEU:CD2	2:2t:206:VAL:CG1	2.64	0.65
2:1x:8:ARG:O	2:1x:8:ARG:CG	2.44	0.65
2:5m:229:GLY:CA	2:6w:231:PRO:HG3	2.26	0.65
2:6w:202:SER:N	2:7t:193:LYS:HD3	2.12	0.65
2:6w:227:GLY:O	2:7t:223:ARG:NE	2.30	0.65
2:9Q:110:LEU:HD22	2:9Q:110:LEU:C	2.22	0.65
1:6B:230:SER:OG	1:6B:231:ARG:N	2.30	0.65
1:6B:252:ASP:OD1	1:6B:252:ASP:C	2.37	0.65
1:4l:137:GLN:O	1:4l:137:GLN:HG3	1.97	0.65
1:6M:228:GLN:OE1	1:6M:228:GLN:N	2.24	0.65
1:9C:392:THR:CG2	2:9H:46:ASP:OD1	2.34	0.65
1:9C:445:GLY:CA	2:9H:54:GLN:O	2.45	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8V:447:GLN:HG2	2:9K:44:VAL:HG22	1.74	0.65
2:3g:280:SER:HB2	2:2x:249:ALA:C	2.22	0.65
2:4e:110:LEU:HD22	2:4e:110:LEU:C	2.22	0.65
2:5e:111:VAL:HG22	2:7Z:57:MET:SD	2.37	0.65
2:5e:280:SER:O	2:6g:250:ALA:CB	2.44	0.65
2:6e:76:ASN:ND2	2:6e:116:LYS:HD2	2.11	0.65
2:6e:256:ALA:C	2:8i:259:VAL:CG1	2.70	0.65
2:6f:228:ALA:CB	2:5h:228:ALA:HB1	2.22	0.65
2:7a:125:ILE:HA	2:6v:120:ILE:O	1.97	0.65
2:7c:232:TYR:HD2	2:8j:232:TYR:CD2	2.15	0.65
2:7d:226:ILE:HD13	2:8f:226:ILE:CD1	2.23	0.65
2:8e:225:MET:HG3	2:9F:212:GLY:O	1.97	0.65
2:9F:225:MET:O	2:9O:219:LYS:CG	2.29	0.65
2:1i:226:ILE:HD11	2:1p:226:ILE:HD11	1.78	0.65
2:1k:280:SER:CA	2:3k:250:ALA:N	2.59	0.65
2:2f:62:ALA:HB1	2:2f:110:LEU:O	1.96	0.65
2:2h:62:ALA:HB1	2:2h:110:LEU:O	1.96	0.65
2:5h:57:MET:HE2	2:7f:111:VAL:CG1	2.27	0.65
2:6j:242:LEU:HD11	2:5j:236:ALA:HA	1.72	0.65
2:6k:280:SER:CB	2:7e:247:LYS:HE2	2.27	0.65
2:6l:269:LEU:HD22	2:7h:270:ILE:CG1	2.27	0.65
2:8m:223:ARG:N	2:9H:226:ILE:HD12	2.11	0.65
2:1m:223:ARG:HG2	2:2j:226:ILE:HG13	1.77	0.65
2:1o:273:LEU:HD12	2:3o:269:LEU:HD11	0.68	0.65
2:2k:62:ALA:HB1	2:2k:110:LEU:O	1.96	0.65
2:2k:226:ILE:HB	2:3n:222:LEU:HB2	1.79	0.65
2:2n:234:LEU:CD2	2:3s:243:GLY:CA	2.65	0.65
2:3m:247:LYS:N	2:4i:238:THR:O	2.29	0.65
2:5i:226:ILE:CD1	2:7j:226:ILE:CD1	2.70	0.65
2:6n:148[B]:ILE:HD11	2:7p:148[B]:ILE:HD12	1.79	0.65
2:7m:232:TYR:HD2	2:8v:232:TYR:CD2	2.15	0.65
2:2q:240:THR:O	2:4k:246:LYS:HE2	1.95	0.65
2:2r:201:VAL:HA	2:3x:197:GLN:NE2	2.12	0.65
2:2r:228:ALA:HA	2:3x:228:ALA:O	1.97	0.65
2:2s:120:ILE:CD1	2:3w:125:ILE:HG12	2.24	0.65
2:2s:184:LEU:HD21	2:3w:184:LEU:HD21	1.78	0.65
2:5k:266:LEU:CD2	2:6s:265:ASP:HB3	2.20	0.65
2:5k:280:SER:O	2:6s:250:ALA:CB	2.44	0.65
2:6q:246:LYS:HE2	2:9K:242:LEU:HG	1.79	0.65
2:6r:110:LEU:HD22	2:6r:110:LEU:C	2.22	0.65
2:6r:240:THR:CA	2:5n:246:LYS:HD3	2.24	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9K:110:LEU:HD22	2:9K:110:LEU:C	2.22	0.65
2:1w:41:TYR:CE2	2:1w:57:MET:HE3	2.30	0.65
2:3v:98:ALA:CA	2:3v:110:LEU:CB	2.54	0.65
2:3w:76:ASN:ND2	2:3w:116:LYS:HD2	2.11	0.65
2:4m:110:LEU:HD22	2:4m:110:LEU:C	2.22	0.65
2:6w:226:ILE:HG21	2:7t:222:LEU:HD13	1.70	0.65
2:6x:120:ILE:HD12	2:9R:120:ILE:CD1	2.27	0.65
2:6x:219:LYS:HG2	2:7w:226:ILE:HA	1.76	0.65
2:9M:201:VAL:C	2:9J:193:LYS:CE	2.69	0.65
2:9Q:99:VAL:CG2	2:9Q:109:THR:O	2.41	0.65
2:9J:98:ALA:HA	2:9J:110:LEU:HD23	1.78	0.65
1:2B:357:ASN:OD1	1:2B:358:ILE:HG22	1.97	0.65
1:3C:444:GLY:O	2:3h:45:LYS:CG	2.45	0.65
1:3C:447:GLN:O	2:3h:41:TYR:HB3	1.96	0.65
1:3D:443:SER:HA	2:3g:56:ASN:HD21	0.51	0.65
1:5A:438:ARG:HG3	1:5A:438:ARG:O	1.96	0.65
1:5E:228:GLN:OE1	1:5E:228:GLN:N	2.23	0.65
1:8B:445:GLY:HA2	2:8f:45:LYS:HB2	1.80	0.65
1:2F:28:GLN:NE2	2:1p:27:ILE:HD11	1.95	0.65
1:3L:448:ALA:HB2	2:3i:41:TYR:CE1	2.30	0.65
1:1N:445:GLY:HA2	2:1n:45:LYS:HG2	1.79	0.65
1:5O:28:GLN:OE1	1:5O:28:GLN:N	2.26	0.65
1:1a:228:GLN:OE1	1:1a:228:GLN:N	2.22	0.65
2:1e:110:LEU:HD22	2:1e:110:LEU:C	2.22	0.65
2:1f:8:ARG:O	2:1f:8:ARG:CG	2.44	0.65
2:1h:240:THR:HA	2:2t:246:LYS:CD	2.20	0.65
2:3g:125:ILE:HG12	2:2x:120:ILE:CD1	2.24	0.65
2:5f:76:ASN:ND2	2:5f:116:LYS:HD2	2.11	0.65
2:6e:246:LYS:HE2	2:8i:242:LEU:HG	1.79	0.65
2:6e:251:VAL:HG11	2:8i:279:ILE:HD13	1.77	0.65
2:7d:247:LYS:CA	2:9P:239:THR:HA	2.27	0.65
2:8g:209:LEU:HD11	2:9G:222:LEU:HD23	1.77	0.65
2:1i:226:ILE:HD11	2:2e:226:ILE:CD1	2.19	0.65
2:2h:201:VAL:HA	2:3p:197:GLN:HG2	1.79	0.65
2:5g:110:LEU:HD22	2:5g:110:LEU:C	2.22	0.65
2:6k:125:ILE:HG12	2:7e:120:ILE:CD1	2.25	0.65
2:8k:201:VAL:C	2:9G:193:LYS:HE2	2.22	0.65
2:8p:8:ARG:O	2:8p:8:ARG:CG	2.44	0.65
2:1o:245:VAL:CG2	2:3o:245:VAL:HG21	2.26	0.65
2:1p:8:ARG:O	2:1p:8:ARG:CG	2.44	0.65
2:2n:136:LEU:O	2:3s:132:GLY:HA3	1.97	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3n:110:LEU:HD22	2:3n:110:LEU:C	2.22	0.65
2:3o:8:ARG:O	2:3o:8:ARG:CG	2.44	0.65
2:3p:110:LEU:HD22	2:3p:110:LEU:C	2.22	0.65
2:6m:8:ARG:O	2:6m:8:ARG:CG	2.44	0.65
2:6o:226:ILE:CG2	2:7j:222:LEU:HB3	2.25	0.65
2:8q:225:MET:HG3	2:9H:212:GLY:O	1.97	0.65
2:1q:197:GLN:CG	2:2o:200:LEU:O	2.45	0.65
2:2r:242:LEU:CB	2:3x:234:LEU:CD1	2.75	0.65
2:3q:247:LYS:N	2:4k:238:THR:O	2.29	0.65
2:5k:245:VAL:C	2:7o:242:LEU:HD21	2.16	0.65
2:5l:239:THR:CA	2:7p:247:LYS:HB3	2.27	0.65
2:6q:145:ARG:HG2	2:9K:148[A]:ILE:HG22	1.78	0.65
2:6r:120:ILE:O	2:7u:125:ILE:HA	1.97	0.65
2:6s:202:SER:N	2:7o:193:LYS:HD3	2.12	0.65
2:7r:265:ASP:HB2	2:9L:266:LEU:HD23	1.79	0.65
2:7s:226:ILE:HD13	2:8x:226:ILE:CD1	2.23	0.65
2:9I:98:ALA:HA	2:9I:110:LEU:HD23	1.78	0.65
2:1w:110:LEU:HD22	2:1w:110:LEU:C	2.22	0.65
2:6w:226:ILE:O	2:7t:219:LYS:C	2.39	0.65
2:9M:201:VAL:C	2:9J:193:LYS:HE2	2.22	0.65
2:9M:270:ILE:H	2:9J:269:LEU:CD2	2.08	0.65
2:9N:110:LEU:HD22	2:9N:110:LEU:C	2.22	0.65
2:9O:110:LEU:HD22	2:9O:110:LEU:C	2.22	0.65
1:3C:202:GLU:CG	1:3C:343:SER:HB2	2.24	0.64
1:4F:446:ALA:HB2	2:4f:56:ASN:CB	2.25	0.64
1:8A:392:THR:HG22	2:8e:16:TYR:CE1	2.32	0.64
1:8B:202:GLU:O	1:8B:204:THR:N	2.30	0.64
1:4H:203:PRO:CB	1:4H:212:GLU:CG	2.64	0.64
1:2L:356:PRO:HG2	1:2L:369:PHE:CG	2.27	0.64
1:4M:202:GLU:HG2	1:4M:343:SER:CB	2.27	0.64
1:1W:394:THR:HG22	1:1W:394:THR:O	1.97	0.64
1:2V:357:ASN:OD1	1:2V:358:ILE:HG22	1.97	0.64
1:2V:447:GLN:C	2:2v:41:TYR:CD1	2.71	0.64
1:4c:392:THR:CG2	2:4m:16:TYR:CD1	2.80	0.64
1:4d:445:GLY:HA2	2:4n:44:VAL:H	1.61	0.64
1:6Z:230:SER:OG	1:6Z:231:ARG:N	2.30	0.64
2:1e:197:GLN:CG	2:2Z:200:LEU:O	2.45	0.64
2:1f:247:LYS:CG	2:3f:239:THR:HG22	2.22	0.64
2:2b:236:ALA:HA	2:3e:242:LEU:CD1	2.20	0.64
2:2d:249:ALA:C	2:3k:280:SER:HB2	2.22	0.64
2:3g:184:LEU:HD21	2:2x:184:LEU:HD21	1.78	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:225:MET:HG2	2:2x:214:PRO:CD	2.27	0.64
2:3g:278:ILE:HG23	2:2x:278:ILE:HD13	1.79	0.64
2:5f:223:ARG:HD2	2:6v:228:ALA:HA	1.79	0.64
2:5f:239:THR:CA	2:7a:247:LYS:HB3	2.27	0.64
2:6e:8:ARG:O	2:6e:8:ARG:CG	2.44	0.64
2:6f:110:LEU:HD22	2:6f:110:LEU:C	2.22	0.64
2:7b:267:ASN:OD1	2:9Q:253:ALA:HB1	1.97	0.64
2:7c:254:SER:CA	2:8j:267:ASN:ND2	2.59	0.64
2:8e:251:VAL:CG1	2:9O:279:ILE:HG21	2.27	0.64
2:8f:270:ILE:HD12	2:9P:253:ALA:HA	1.80	0.64
2:8g:41:TYR:CE2	2:8g:57:MET:HE3	2.30	0.64
2:8g:244:GLY:CA	2:9G:243:GLY:N	2.60	0.64
2:8h:57:MET:HB3	2:7i:61:ALA:HB1	1.78	0.64
2:2f:226:ILE:HB	2:3j:222:LEU:HB2	1.79	0.64
2:2g:273:LEU:CD2	2:3i:279:ILE:HG21	2.01	0.64
2:2h:201:VAL:HA	2:3p:197:GLN:NE2	2.12	0.64
2:2i:119:SER:HA	2:3o:124:ASP:O	1.97	0.64
2:3i:246:LYS:HE2	2:4g:240:THR:C	2.22	0.64
2:5g:263:VAL:HG23	2:6k:262:ALA:HB2	1.78	0.64
2:5h:8:ARG:O	2:5h:8:ARG:CG	2.44	0.64
2:5h:239:THR:CA	2:7f:247:LYS:HB3	2.27	0.64
2:6k:8:ARG:O	2:6k:8:ARG:CG	2.44	0.64
2:7h:76:ASN:OD1	2:8p:21:TYR:OH	2.08	0.64
2:7h:167:LYS:HG2	2:8p:173:LEU:O	1.96	0.64
2:8m:246:LYS:C	2:9H:238:THR:O	2.40	0.64
2:8n:239:THR:CA	2:7n:247:LYS:CB	2.48	0.64
2:1m:99:VAL:CG2	2:1m:109:THR:O	2.40	0.64
2:2j:196:LEU:HB3	2:1t:200:LEU:HD23	1.78	0.64
2:2n:127:ASP:OD1	2:1s:122:VAL:N	2.22	0.64
2:2n:248:GLY:O	2:3s:280:SER:HB2	1.98	0.64
2:3m:236:ALA:HB2	2:4i:242:LEU:HD11	1.78	0.64
2:6o:226:ILE:O	2:7j:219:LYS:C	2.39	0.64
2:8u:120:ILE:HD11	2:7q:120:ILE:HD13	0.67	0.64
2:9H:98:ALA:HA	2:9H:110:LEU:HD23	1.78	0.64
2:2o:246:LYS:CD	2:1x:240:THR:HA	2.20	0.64
2:2s:193:LYS:CB	2:3w:200:LEU:O	2.44	0.64
2:3t:99:VAL:CG2	2:3t:109:THR:O	2.41	0.64
2:5l:57:MET:HE2	2:7p:111:VAL:CG1	2.27	0.64
2:6r:111:VAL:CG2	2:7u:57:MET:CE	2.71	0.64
2:6r:238:THR:C	2:5n:247:LYS:HB2	2.22	0.64
2:6r:273:LEU:HD21	2:7u:279:ILE:HG21	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:278:ILE:CG2	2:3w:278:ILE:HD12	2.23	0.64
2:1w:280:SER:CA	2:3w:250:ALA:N	2.59	0.64
2:3v:41:TYR:CE2	2:3v:57:MET:HE3	2.30	0.64
2:5m:126:LYS:HG2	2:6w:119:SER:HB3	1.78	0.64
2:7u:62:ALA:HB1	2:7u:110:LEU:O	1.96	0.64
2:7w:246:LYS:HE2	2:9R:242:LEU:N	2.11	0.64
1:6D:423:GLU:OE1	1:6D:423:GLU:N	2.27	0.64
1:6F:448:ALA:CA	2:6e:56:ASN:O	2.46	0.64
1:1L:154:VAL:O	1:1L:154:VAL:CG1	2.45	0.64
1:2G:357:ASN:OD1	1:2G:358:ILE:HG22	1.97	0.64
1:8T:202:GLU:O	1:8T:204:THR:N	2.30	0.64
1:8U:447:GLN:O	2:9L:41:TYR:HD1	1.79	0.64
1:3d:444:GLY:O	2:3u:44:VAL:CG2	2.45	0.64
1:7U:448:ALA:O	2:7x:60:LEU:CD1	2.44	0.64
1:7V:447:GLN:OE1	2:7v:56:ASN:HB2	1.96	0.64
2:1e:226:ILE:HD11	2:1l:226:ILE:HD11	1.78	0.64
2:1g:278:ILE:CG2	2:3g:278:ILE:HD12	2.23	0.64
2:2Z:196:LEU:HB3	2:1l:200:LEU:HD23	1.79	0.64
2:2c:251:VAL:O	2:4f:274:LYS:NZ	2.28	0.64
2:2d:158[B]:ILE:HD12	2:3k:154:ALA:HB1	1.77	0.64
2:3e:232:TYR:CD2	2:4e:232:TYR:CD1	2.83	0.64
2:5e:237:ALA:HB1	2:6g:247:LYS:N	2.12	0.64
2:6h:41:TYR:CE2	2:6h:57:MET:HE3	2.30	0.64
2:8e:280:SER:C	2:9F:249:ALA:C	2.64	0.64
2:8i:253:ALA:HB1	2:7g:267:ASN:OD1	1.98	0.64
2:2g:62:ALA:HB1	2:2g:110:LEU:O	1.96	0.64
2:2g:247:LYS:CB	2:3i:239:THR:HG23	2.21	0.64
2:2h:201:VAL:HA	2:3p:197:GLN:HE21	1.63	0.64
2:2h:226:ILE:CG2	2:3p:222:LEU:CD2	2.50	0.64
2:2i:196:LEU:HD13	2:3o:200:LEU:HD23	1.77	0.64
2:5g:245:VAL:O	2:7e:242:LEU:HD22	1.93	0.64
2:6l:99:VAL:CG2	2:6l:109:THR:O	2.41	0.64
2:8n:8:ARG:O	2:8n:8:ARG:CG	2.44	0.64
2:1m:200:LEU:CD1	2:2j:200:LEU:CD1	2.75	0.64
2:2k:227:GLY:N	2:3n:223:ARG:HH11	1.93	0.64
2:2m:228:ALA:HA	2:3t:228:ALA:O	1.97	0.64
2:2n:214:PRO:CD	2:3s:225:MET:HG2	2.27	0.64
2:2n:259:VAL:HG23	2:3s:259:VAL:CG2	2.04	0.64
2:6m:158[B]:ILE:HA	2:8u:154:ALA:HB1	1.78	0.64
2:8u:253:ALA:HB1	2:7q:267:ASN:OD1	1.98	0.64
2:1r:8:ARG:O	2:1r:8:ARG:CG	2.44	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1r:239:THR:HG23	2:2p:247:LYS:HB3	1.78	0.64
2:2r:98:ALA:HA	2:2r:110:LEU:HD23	1.78	0.64
2:2s:266:LEU:CD1	2:3w:266:LEU:CD1	2.68	0.64
2:3q:246:LYS:HE2	2:4k:240:THR:C	2.22	0.64
2:5l:8:ARG:O	2:5l:8:ARG:CG	2.44	0.64
2:6s:239:THR:HA	2:7o:246:LYS:C	2.22	0.64
2:7r:76:ASN:OD1	2:9L:21:TYR:OH	2.08	0.64
2:8w:180:VAL:HG13	2:9I:184:LEU:HD23	1.79	0.64
2:9I:62:ALA:HB1	2:9I:110:LEU:O	1.96	0.64
2:1u:41:TYR:CE2	2:1u:57:MET:HE3	2.30	0.64
2:3x:41:TYR:CE2	2:3x:57:MET:HE3	2.30	0.64
2:5m:223:ARG:HD3	2:7t:226:ILE:O	1.97	0.64
2:5m:237:ALA:HB1	2:6w:247:LYS:N	2.12	0.64
2:6w:227:GLY:C	2:7t:223:ARG:NH1	2.55	0.64
2:6x:110:LEU:HD22	2:6x:110:LEU:C	2.22	0.64
2:9M:180:VAL:HG13	2:9J:184:LEU:HD23	1.79	0.64
1:1D:425:LYS:HG3	1:1D:425:LYS:O	1.97	0.64
1:2C:448:ALA:HB3	2:2a:41:TYR:HD1	1.62	0.64
1:4C:245:GLU:OE1	1:4C:245:GLU:N	2.24	0.64
1:5E:30:ASP:OD1	1:5E:30:ASP:C	2.41	0.64
1:8A:228:GLN:OE1	1:8A:228:GLN:N	2.26	0.64
1:3I:442:ALA:O	2:3l:45:LYS:NZ	2.30	0.64
1:7F:445:GLY:CA	2:7i:53:THR:OG1	2.45	0.64
1:1Q:201:ASP:OD2	1:1R:372:TYR:OH	2.05	0.64
1:4O:137:GLN:HG3	1:4O:137:GLN:O	1.97	0.64
1:5N:91:ILE:HG22	1:5N:91:ILE:O	1.97	0.64
1:5Q:30:ASP:OD1	1:5Q:30:ASP:C	2.41	0.64
1:7K:26:ASN:OD1	2:6o:52:LEU:HG	1.98	0.64
1:1X:154:VAL:O	1:1X:154:VAL:CG1	2.46	0.64
1:5X:448:ALA:C	2:5l:63:TRP:CZ2	2.75	0.64
1:6T:444:GLY:N	2:6s:56:ASN:ND2	2.45	0.64
1:6W:245:GLU:OE1	1:6W:245:GLU:N	2.23	0.64
1:8S:447:GLN:HB3	2:8w:60:LEU:CD1	2.27	0.64
1:1a:443:SER:OG	2:1w:45:LYS:NZ	2.30	0.64
1:3c:228:GLN:OE1	1:3c:228:GLN:N	2.23	0.64
2:1e:209:LEU:CG	2:2Z:206:VAL:HG22	2.27	0.64
2:1g:266:LEU:CG	2:3g:266:LEU:N	2.60	0.64
2:2c:98:ALA:HA	2:2c:110:LEU:HD23	1.78	0.64
2:2d:266:LEU:HA	2:3k:266:LEU:HD21	1.79	0.64
2:3h:110:LEU:HD22	2:3h:110:LEU:C	2.22	0.64
2:4f:234:LEU:HD21	2:3l:242:LEU:CD1	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:110:LEU:HD22	2:5e:110:LEU:C	2.22	0.64
2:6e:256:ALA:CB	2:8i:263:VAL:HG21	1.84	0.64
2:9F:226:ILE:HD12	2:9O:223:ARG:N	2.11	0.64
2:1j:8:ARG:O	2:1j:8:ARG:CG	2.44	0.64
2:3k:8:ARG:O	2:3k:8:ARG:CG	2.44	0.64
2:5g:223:ARG:HD3	2:7e:226:ILE:O	1.97	0.64
2:6j:223:ARG:HD3	2:7k:227:GLY:O	1.98	0.64
2:6j:273:LEU:HD21	2:7k:279:ILE:HG21	1.79	0.64
2:7h:232:TYR:HD2	2:8p:232:TYR:CD2	2.15	0.64
2:8k:269:LEU:C	2:9G:269:LEU:HD21	2.22	0.64
2:8m:41:TYR:CE2	2:8m:57:MET:HE3	2.30	0.64
2:8m:244:GLY:CA	2:9H:243:GLY:N	2.60	0.64
2:2l:225:MET:O	2:4i:219:LYS:HG2	1.96	0.64
2:2n:27:ILE:CA	2:1s:73:VAL:HG11	2.26	0.64
2:2n:98:ALA:HA	2:2n:110:LEU:HD23	1.78	0.64
2:3n:99:VAL:CG2	2:3n:109:THR:O	2.41	0.64
2:6m:246:LYS:HG3	2:8u:242:LEU:CD2	2.25	0.64
2:6n:238:THR:C	2:5l:247:LYS:HB2	2.22	0.64
2:8q:180:VAL:HG11	2:9H:184:LEU:C	2.22	0.64
2:2q:200:LEU:HD22	2:4k:200:LEU:CD1	2.27	0.64
2:2r:201:VAL:HA	2:3x:197:GLN:HE21	1.63	0.64
2:5k:149[B]:ILE:HG23	2:6s:158[B]:ILE:CG2	2.26	0.64
2:7o:98:ALA:HA	2:7o:110:LEU:HD23	1.78	0.64
2:2v:210:LEU:HD23	2:3u:206:VAL:HG13	1.75	0.64
2:2w:98:ALA:HA	2:2w:110:LEU:HD23	1.78	0.64
1:1F:154:VAL:O	1:1F:154:VAL:CG1	2.45	0.64
1:3B:245:GLU:OE1	1:3B:245:GLU:N	2.22	0.64
1:5I:245:GLU:OE1	1:5I:245:GLU:N	2.19	0.64
1:1M:446:ALA:H	2:1m:44:VAL:N	1.95	0.64
1:8N:446:ALA:HA	2:8r:42:VAL:O	1.96	0.64
1:4W:448:ALA:C	2:4k:41:TYR:HD2	2.06	0.64
1:6X:445:GLY:H	2:6q:45:LYS:HG2	1.61	0.64
1:7V:403:SER:O	2:7v:16:TYR:OH	2.11	0.64
1:8Y:445:GLY:HA3	2:9M:54:GLN:O	1.96	0.64
2:1e:111:VAL:CG2	2:2Z:57:MET:HE2	2.24	0.64
2:1f:247:LYS:CE	2:3f:280:SER:OG	2.32	0.64
2:1g:61:ALA:CB	2:2x:57:MET:HE3	2.26	0.64
2:2d:27:ILE:CA	2:1k:73:VAL:HG11	2.26	0.64
2:2d:119:SER:HA	2:3k:124:ASP:O	1.97	0.64
2:3h:228:ALA:O	2:2w:228:ALA:HA	1.97	0.64
2:4f:226:ILE:HD13	2:3l:226:ILE:HG21	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:266:LEU:CD2	2:6g:265:ASP:HB3	2.20	0.64
2:6e:145:ARG:HG2	2:8i:148[A]:ILE:HG22	1.78	0.64
2:6g:227:GLY:O	2:7Z:223:ARG:NE	2.30	0.64
2:7c:265:ASP:HB2	2:8j:266:LEU:HD23	1.79	0.64
2:8e:180:VAL:HG11	2:9F:184:LEU:C	2.22	0.64
2:8e:269:LEU:C	2:9F:269:LEU:HD21	2.22	0.64
2:8h:242:LEU:HB2	2:7i:234:LEU:CD2	2.06	0.64
2:2h:228:ALA:HA	2:3p:228:ALA:O	1.97	0.64
2:2i:249:ALA:C	2:3o:280:SER:HB2	2.22	0.64
2:3i:231:PRO:N	2:4g:229:GLY:HA3	2.13	0.64
2:3l:110:LEU:HD22	2:3l:110:LEU:C	2.22	0.64
2:4h:234:LEU:HD21	2:3p:242:LEU:CD1	2.28	0.64
2:8m:129:GLY:HA3	2:8q:139:ASN:HA	1.79	0.64
2:1m:197:GLN:CG	2:2j:200:LEU:O	2.45	0.64
2:3m:273:LEU:HD23	2:4i:279:ILE:CG2	2.28	0.64
2:5j:239:THR:CA	2:7k:247:LYS:HB3	2.27	0.64
2:6n:223:ARG:HD3	2:7p:228:ALA:N	2.13	0.64
2:6o:118:ILE:CG1	2:6o:120:ILE:CG2	2.76	0.64
2:6o:202:SER:N	2:7j:193:LYS:HD3	2.12	0.64
2:8q:76:ASN:ND2	2:8q:116:LYS:HD2	2.11	0.64
2:1s:279:ILE:HB	2:3s:272:VAL:HG11	1.79	0.64
2:2p:226:ILE:HB	2:3r:222:LEU:HB2	1.78	0.64
2:6q:76:ASN:ND2	2:6q:116:LYS:HD2	2.11	0.64
2:6q:251:VAL:HG13	2:9K:279:ILE:HD11	1.63	0.64
2:6r:148[B]:ILE:HD11	2:7u:148[B]:ILE:HD12	1.79	0.64
2:6s:227:GLY:C	2:7o:223:ARG:NH1	2.55	0.64
2:6s:239:THR:CA	2:7o:246:LYS:HB3	2.26	0.64
2:6s:280:SER:CB	2:7o:247:LYS:HE2	2.27	0.64
2:7r:259:VAL:CA	2:9L:259:VAL:HG22	2.27	0.64
2:8y:223:ARG:N	2:9J:226:ILE:HD12	2.11	0.64
2:1w:237:ALA:CB	2:3w:247:LYS:H	2.07	0.64
2:1w:266:LEU:CG	2:3w:266:LEU:N	2.60	0.64
2:2v:98:ALA:HA	2:2v:110:LEU:HD23	1.78	0.64
2:6w:239:THR:HA	2:7t:246:LYS:C	2.22	0.64
1:1C:212:GLU:OE2	1:1F:438:ARG:HB3	1.97	0.64
1:2B:447:GLN:O	2:2b:41:TYR:CE1	2.50	0.64
1:7A:314:ASN:OD1	1:7A:314:ASN:C	2.40	0.64
1:1J:425:LYS:O	1:1J:425:LYS:HG3	1.97	0.64
1:6H:230:SER:OG	1:6H:231:ARG:N	2.30	0.64
1:1O:212:GLU:OE2	1:1R:438:ARG:HB3	1.97	0.64
1:2L:357:ASN:OD1	1:2L:358:ILE:HG22	1.97	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3U:447:GLN:NE2	2:3t:56:ASN:ND2	2.31	0.64
1:1Y:445:GLY:CA	2:1u:44:VAL:HB	2.27	0.64
1:5d:447:GLN:O	2:5n:60:LEU:CD1	2.41	0.64
2:1f:118:ILE:CG1	2:1f:120:ILE:CG2	2.76	0.64
2:1g:245:VAL:CG2	2:3g:245:VAL:HG21	2.26	0.64
2:2c:173:LEU:HB3	2:3l:157:LEU:CD1	2.28	0.64
2:3h:157:LEU:CD1	2:2w:173:LEU:HB3	2.28	0.64
2:4f:118:ILE:CG1	2:4f:120:ILE:CG2	2.76	0.64
2:5f:116:LYS:HA	2:5f:116:LYS:CE	2.22	0.64
2:5f:228:ALA:HB1	2:6v:228:ALA:CB	2.22	0.64
2:5f:247:LYS:HB2	2:6v:238:THR:C	2.22	0.64
2:8e:118:ILE:CG1	2:8e:120:ILE:CG2	2.76	0.64
2:1j:118:ILE:CG1	2:1j:120:ILE:CG2	2.76	0.64
2:2e:214:PRO:CG	2:1p:225:MET:CG	2.74	0.64
2:2g:225:MET:O	2:4g:219:LYS:HG2	1.96	0.64
2:2i:136:LEU:O	2:3o:132:GLY:HA3	1.97	0.64
2:6j:148[B]:ILE:HD11	2:7k:148[B]:ILE:HD12	1.79	0.64
2:6l:263:VAL:HG21	2:8p:256:ALA:CB	2.25	0.64
2:7h:269:LEU:CD2	2:8p:269:LEU:HG	2.23	0.64
2:1o:279:ILE:HB	2:3o:272:VAL:HG11	1.79	0.64
2:4j:118:ILE:CG1	2:4j:120:ILE:CG2	2.76	0.64
2:5i:263:VAL:HG23	2:6o:262:ALA:HB2	1.78	0.64
2:7j:98:ALA:HA	2:7j:110:LEU:HD23	1.78	0.64
2:8s:266:LEU:CD2	2:8w:254:SER:HB3	1.88	0.64
2:1s:281:LEU:O	2:3s:250:ALA:CB	2.46	0.64
2:2o:223:ARG:CD	2:1x:227:GLY:O	2.44	0.64
2:2r:201:VAL:HA	2:3x:197:GLN:HG2	1.79	0.64
2:2s:219:LYS:CG	2:3w:226:ILE:HA	2.11	0.64
2:4k:110:LEU:HD22	2:4k:110:LEU:C	2.22	0.64
2:5k:223:ARG:HD3	2:7o:226:ILE:O	1.97	0.64
2:5k:263:VAL:HG23	2:6s:262:ALA:HB2	1.78	0.64
2:5l:242:LEU:HB3	2:7p:244:GLY:HA3	1.79	0.64
2:6r:247:LYS:C	2:7u:239:THR:HG22	2.15	0.64
2:6s:76:ASN:ND2	2:6s:116:LYS:HD2	2.11	0.64
2:1w:263:VAL:CG1	2:3w:256:ALA:H	2.06	0.64
2:1w:266:LEU:CD2	2:3w:265:ASP:CA	2.46	0.64
2:2u:200:LEU:CD1	2:3v:200:LEU:HD11	2.22	0.64
2:2u:226:ILE:HB	2:3v:222:LEU:HB2	1.79	0.64
2:5n:57:MET:HE2	2:7u:111:VAL:CG1	2.27	0.64
2:6u:158[B]:ILE:HA	2:9Q:154:ALA:HB1	1.78	0.64
2:7v:98:ALA:HA	2:7v:110:LEU:HD23	1.78	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:259:VAL:CA	2:9R:259:VAL:HG22	2.27	0.64
1:6B:443:SER:CA	2:6g:56:ASN:ND2	2.57	0.64
1:6B:448:ALA:HB3	2:6g:57:MET:SD	2.38	0.64
1:7D:28:GLN:HG2	2:6u:52:LEU:CD1	2.25	0.64
1:7G:444:GLY:CA	2:7g:45:LYS:CE	2.74	0.64
1:8J:228:GLN:OE1	1:8J:228:GLN:N	2.20	0.64
1:8L:444:GLY:H	2:8m:45:LYS:HD2	1.61	0.64
1:1R:154:VAL:O	1:1R:154:VAL:CG1	2.45	0.64
1:4N:245:GLU:OE1	1:4N:245:GLU:N	2.22	0.64
1:6N:230:SER:OG	1:6N:231:ARG:N	2.30	0.64
1:6P:425:LYS:O	1:6P:425:LYS:HG2	1.98	0.64
1:8R:447:GLN:HB3	2:8s:44:VAL:HG23	1.76	0.64
1:1U:446:ALA:HA	2:1s:44:VAL:HG23	1.79	0.64
1:8X:447:GLN:HG3	2:8y:42:VAL:CG1	2.27	0.64
1:7V:447:GLN:NE2	2:7v:41:TYR:OH	2.30	0.64
2:1e:200:LEU:CD1	2:2Z:200:LEU:CD1	2.75	0.64
2:1g:98:ALA:CA	2:1g:110:LEU:CB	2.54	0.64
2:1g:110:LEU:HD22	2:1g:110:LEU:C	2.22	0.64
2:1g:273:LEU:HD12	2:3g:269:LEU:HD11	0.68	0.64
2:2b:232:TYR:CE2	2:3e:232:TYR:OH	2.50	0.64
2:2c:228:ALA:HA	2:3l:228:ALA:O	1.97	0.64
2:2d:98:ALA:HA	2:2d:110:LEU:HD23	1.78	0.64
2:2d:184:LEU:HD21	2:3k:184:LEU:HD21	1.78	0.64
2:2d:219:LYS:CG	2:3k:226:ILE:HA	2.11	0.64
2:2d:262:ALA:CB	2:3k:263:VAL:HG22	2.25	0.64
2:3g:200:LEU:O	2:2x:193:LYS:CB	2.44	0.64
2:7a:227:GLY:O	2:6v:223:ARG:HD3	1.98	0.64
2:7c:158[A]:ILE:HA	2:8j:154:ALA:HB1	1.79	0.64
2:7d:210:LEU:HD23	2:9P:206:VAL:HG11	1.79	0.64
2:8e:201:VAL:C	2:9F:193:LYS:HE2	2.22	0.64
2:8h:239:THR:HA	2:7i:247:LYS:CA	2.27	0.64
2:2i:246:LYS:HZ3	2:3o:240:THR:C	2.03	0.64
2:3k:76:ASN:ND2	2:3k:116:LYS:HD2	2.11	0.64
2:6j:223:ARG:HD3	2:7k:228:ALA:N	2.13	0.64
2:6k:242:LEU:HD13	2:7e:235:PRO:CA	2.24	0.64
2:6l:110:LEU:HD22	2:6l:110:LEU:C	2.22	0.64
2:7h:158[A]:ILE:HA	2:8p:154:ALA:HB1	1.79	0.64
2:7h:232:TYR:CD2	2:8p:232:TYR:CD2	2.85	0.64
2:8k:132:GLY:CA	2:9G:136:LEU:HA	2.28	0.64
2:8k:201:VAL:C	2:9G:193:LYS:CE	2.69	0.64
2:2j:200:LEU:HD11	2:1t:200:LEU:CD1	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:226:ILE:HA	2:3t:219:LYS:HA	1.80	0.64
2:2n:158[B]:ILE:HD13	2:3s:154:ALA:HB1	1.79	0.64
2:2n:219:LYS:CE	2:3s:226:ILE:C	2.71	0.64
2:3m:231:PRO:N	2:4i:229:GLY:HA3	2.13	0.64
2:4j:247:LYS:HE2	2:3t:239:THR:HG22	1.79	0.64
2:5i:111:VAL:HG22	2:7j:57:MET:SD	2.36	0.64
2:5j:57:MET:HE2	2:7k:111:VAL:CG1	2.27	0.64
2:6m:148[B]:ILE:CD1	2:7q:148[B]:ILE:HD11	2.28	0.64
2:7m:158[A]:ILE:HA	2:8v:154:ALA:HB1	1.79	0.64
2:8s:246:LYS:C	2:9l:238:THR:O	2.40	0.64
2:8t:76:ASN:ND2	2:8t:116:LYS:CD	2.59	0.64
2:1q:110:LEU:HD22	2:1q:110:LEU:C	2.22	0.64
2:1s:245:VAL:HG11	2:3s:245:VAL:HG21	1.80	0.64
2:2r:120:ILE:CD1	2:3x:120:ILE:CD1	2.68	0.64
2:2r:226:ILE:HA	2:3x:219:LYS:HA	1.80	0.64
2:2r:251:VAL:O	2:4l:274:LYS:NZ	2.28	0.64
2:6r:225:MET:HG2	2:5n:214:PRO:HG3	1.77	0.64
2:6s:242:LEU:HD13	2:7o:235:PRO:CA	2.24	0.64
2:8w:180:VAL:HG21	2:9l:184:LEU:C	2.23	0.64
2:1u:197:GLN:CG	2:2t:200:LEU:O	2.45	0.64
2:1v:118:ILE:CG1	2:1v:120:ILE:CG2	2.76	0.64
2:1w:279:ILE:HB	2:3w:272:VAL:HG11	1.79	0.64
2:1x:118:ILE:CG1	2:1x:120:ILE:CG2	2.76	0.64
2:3u:118:ILE:CG1	2:3u:120:ILE:CG2	2.76	0.64
2:3w:118:ILE:CG1	2:3w:120:ILE:CG2	2.76	0.64
2:5m:110:LEU:HD22	2:5m:110:LEU:C	2.22	0.64
2:6x:244:GLY:HA2	2:7w:243:GLY:O	1.97	0.64
2:7x:226:ILE:HD13	2:9N:226:ILE:CD1	2.23	0.64
1:7B:447:GLN:HG2	2:7b:44:VAL:HG22	1.79	0.64
1:8D:446:ALA:C	2:8i:44:VAL:HG23	2.22	0.64
1:1K:252:ASP:OD1	1:1K:252:ASP:C	2.39	0.64
1:5Q:447:GLN:HG3	2:5i:44:VAL:HG21	1.79	0.64
1:1U:212:GLU:OE2	1:1X:438:ARG:HB3	1.97	0.64
1:1a:447:GLN:CG	2:1w:60:LEU:HD12	2.24	0.64
1:5c:30:ASP:OD1	1:5c:30:ASP:C	2.41	0.64
2:2c:62:ALA:HB1	2:2c:110:LEU:O	1.96	0.64
2:3h:193:LYS:HD3	2:2w:202:SER:CB	2.21	0.64
2:5e:245:VAL:O	2:7Z:242:LEU:HD22	1.93	0.64
2:6f:228:ALA:HA	2:5h:223:ARG:HD2	1.79	0.64
2:8f:99:VAL:CG2	2:8f:109:THR:O	2.41	0.64
2:8h:76:ASN:ND2	2:8h:116:LYS:HD2	2.11	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:243:GLY:H	2:9O:244:GLY:CA	2.11	0.64
2:2e:214:PRO:HD2	2:1p:225:MET:HG3	1.78	0.64
2:2g:244:GLY:HA3	2:3i:242:LEU:C	2.23	0.64
2:2h:251:VAL:O	2:4h:274:LYS:NZ	2.28	0.64
2:5g:263:VAL:HG21	2:6k:256:ALA:CA	2.24	0.64
2:6i:148[B]:ILE:CD1	2:7l:148[B]:ILE:HD11	2.28	0.64
2:6k:118:ILE:CG1	2:6k:120:ILE:CG2	2.76	0.64
2:8k:180:VAL:HG13	2:9G:184:LEU:HD23	1.79	0.64
2:2m:201:VAL:HA	2:3t:197:GLN:NE2	2.12	0.64
2:2n:184:LEU:HD21	2:3s:184:LEU:HD21	1.78	0.64
2:3m:229:GLY:O	2:4i:229:GLY:N	2.28	0.64
2:5i:237:ALA:HB1	2:6o:247:LYS:N	2.12	0.64
2:5i:280:SER:O	2:6o:250:ALA:CB	2.44	0.64
2:6o:76:ASN:ND2	2:6o:116:LYS:HD2	2.11	0.64
2:6p:120:ILE:HD12	2:8v:120:ILE:CD1	2.27	0.64
2:8q:132:GLY:CA	2:9H:136:LEU:HA	2.28	0.64
2:1s:273:LEU:HD12	2:3s:269:LEU:HD11	0.68	0.64
2:2o:196:LEU:HB3	2:1x:200:LEU:HD23	1.78	0.64
2:2s:136:LEU:O	2:3w:132:GLY:HA3	1.97	0.64
2:3q:118:ILE:CG1	2:3q:120:ILE:CG2	2.76	0.64
2:4l:226:ILE:HD13	2:3x:226:ILE:HG21	1.79	0.64
2:5k:245:VAL:O	2:7o:242:LEU:HD22	1.93	0.64
2:5k:263:VAL:HG11	2:6s:256:ALA:N	2.13	0.64
2:6q:256:ALA:C	2:9K:259:VAL:CG1	2.70	0.64
2:6q:280:SER:OG	2:7v:247:LYS:HE2	1.97	0.64
2:6s:227:GLY:O	2:7o:223:ARG:NE	2.30	0.64
2:8w:154:ALA:CB	2:9I:158[B]:ILE:CD1	2.69	0.64
2:8x:110:LEU:HD22	2:8x:110:LEU:C	2.22	0.64
2:8y:244:GLY:CA	2:9J:243:GLY:H	2.11	0.64
2:1w:279:ILE:CA	2:3w:248:GLY:CA	2.60	0.64
2:1w:281:LEU:O	2:3w:250:ALA:CB	2.46	0.64
2:3u:246:LYS:HB3	2:4m:238:THR:O	1.98	0.64
2:3w:8:ARG:O	2:3w:8:ARG:CG	2.44	0.64
2:6u:251:VAL:HG11	2:9Q:279:ILE:HD13	1.77	0.64
2:7w:265:ASP:HB2	2:9R:266:LEU:HD23	1.79	0.64
2:9M:180:VAL:HG21	2:9J:184:LEU:C	2.23	0.64
1:7B:448:ALA:HB2	2:7b:41:TYR:CD1	2.25	0.64
1:1I:444:GLY:CA	2:1k:45:LYS:CD	2.38	0.64
1:4G:136:ARG:NH2	1:4G:140:TYR:OH	2.31	0.64
1:8L:314:ASN:C	1:8L:314:ASN:OD1	2.39	0.64
1:4O:404:VAL:O	1:4O:404:VAL:HG12	1.98	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1W:201:ASP:OD2	1:1X:372:TYR:OH	2.05	0.64
1:4X:16:GLU:OE1	1:4X:16:GLU:N	2.25	0.64
1:1d:154:VAL:O	1:1d:154:VAL:CG1	2.45	0.64
1:5Z:91:ILE:HG22	1:5Z:91:ILE:O	1.97	0.64
1:8Y:228:GLN:OE1	1:8Y:228:GLN:N	2.26	0.64
2:1g:280:SER:CA	2:3g:250:ALA:N	2.59	0.64
2:2b:210:LEU:HD23	2:3e:206:VAL:HG13	1.75	0.64
2:2c:201:VAL:HA	2:3l:197:GLN:NE2	2.12	0.64
2:2c:226:ILE:HA	2:3l:219:LYS:HA	1.80	0.64
2:3g:118:ILE:CG1	2:3g:120:ILE:CG2	2.76	0.64
2:3g:154:ALA:HB1	2:2x:158[B]:ILE:HD13	1.79	0.64
2:3h:219:LYS:HA	2:2w:226:ILE:HA	1.80	0.64
2:6e:158[B]:ILE:HA	2:8i:154:ALA:HB1	1.78	0.64
2:6e:280:SER:OG	2:7g:247:LYS:HE2	1.97	0.64
2:6g:202:SER:N	2:7Z:193:LYS:HD3	2.12	0.64
2:8e:180:VAL:HG21	2:9F:184:LEU:C	2.23	0.64
2:8e:183:PHE:CG	2:9F:183:PHE:CZ	2.86	0.64
2:8h:8:ARG:O	2:8h:8:ARG:CG	2.44	0.64
2:8j:118:ILE:CG1	2:8j:120:ILE:CG2	2.76	0.64
2:1k:279:ILE:HB	2:3k:272:VAL:HG11	1.79	0.64
2:2e:223:ARG:CD	2:1p:227:GLY:O	2.44	0.64
2:2f:57:MET:CE	2:3j:111:VAL:CG2	2.71	0.64
2:2g:200:LEU:HD22	2:4g:200:LEU:CD1	2.27	0.64
2:3i:273:LEU:HD23	2:4g:279:ILE:CG2	2.28	0.64
2:4h:247:LYS:HE2	2:3p:239:THR:HG22	1.79	0.64
2:6k:227:GLY:O	2:7e:223:ARG:NE	2.30	0.64
2:7i:226:ILE:CD1	2:8l:226:ILE:HD13	2.25	0.64
2:1o:245:VAL:HG11	2:3o:245:VAL:HG21	1.80	0.64
2:1o:245:VAL:HG22	2:3o:245:VAL:CG2	2.28	0.64
2:2k:57:MET:CE	2:3n:111:VAL:CG2	2.71	0.64
2:2n:249:ALA:C	2:3s:280:SER:HB2	2.22	0.64
2:2n:262:ALA:CB	2:3s:263:VAL:HG22	2.25	0.64
2:5i:263:VAL:HG11	2:6o:256:ALA:N	2.13	0.64
2:6o:239:THR:HA	2:7j:246:LYS:C	2.22	0.64
2:8q:118:ILE:CG1	2:8q:120:ILE:CG2	2.76	0.64
2:8q:199:LEU:HD22	2:9H:186:ALA:C	2.23	0.64
2:8s:244:GLY:N	2:9I:242:LEU:HB3	2.13	0.64
2:8t:57:MET:HB3	2:7s:61:ALA:HB1	1.78	0.64
2:1q:111:VAL:CG2	2:2o:57:MET:HE2	2.24	0.64
2:1s:183:PHE:CD2	2:3s:183:PHE:HE2	2.16	0.64
2:2o:236:ALA:CA	2:1x:242:LEU:HD11	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3t:41:TYR:CE2	2:3t:57:MET:HE3	2.30	0.64
2:4l:76:ASN:ND2	2:4l:116:LYS:HD2	2.11	0.64
2:8w:175:PHE:CD1	2:9l:171:GLN:CG	2.81	0.64
2:8y:279:ILE:HG21	2:9M:251:VAL:CG1	2.27	0.64
2:8z:8:ARG:O	2:8z:8:ARG:CG	2.44	0.64
2:8z:253:ALA:HA	2:9N:270:ILE:HD12	1.80	0.64
2:1u:200:LEU:CD1	2:2t:200:LEU:CD1	2.75	0.64
2:3u:246:LYS:HE2	2:4m:240:THR:C	2.22	0.64
2:5m:263:VAL:HG11	2:6w:256:ALA:N	2.13	0.64
2:6v:110:LEU:HD22	2:6v:110:LEU:C	2.22	0.64
2:9M:183:PHE:CG	2:9J:183:PHE:CZ	2.86	0.64
2:9R:118:ILE:CG1	2:9R:120:ILE:CG2	2.76	0.64
1:7B:384:VAL:HG13	2:7b:106:GLN:NE2	2.12	0.64
1:8B:447:GLN:OE1	2:8f:56:ASN:ND2	2.31	0.64
1:5L:448:ALA:CA	2:5h:41:TYR:HD1	2.10	0.64
1:6L:445:GLY:H	2:6i:45:LYS:HD3	1.63	0.64
1:1U:446:ALA:HB1	2:1s:42:VAL:O	1.98	0.64
1:5W:447:GLN:HG3	2:5k:44:VAL:HG22	1.80	0.64
1:7R:446:ALA:O	2:7p:55:VAL:HA	1.98	0.64
1:7S:447:GLN:O	2:7o:55:VAL:CG1	2.44	0.64
1:1Y:447:GLN:N	2:1u:42:VAL:O	2.31	0.64
1:5Z:228:GLN:OE1	1:5Z:228:GLN:N	2.23	0.64
1:8Y:446:ALA:CB	2:9M:55:VAL:HG13	2.26	0.64
2:1g:281:LEU:O	2:3g:250:ALA:CB	2.46	0.64
2:2Z:210:LEU:HA	2:1l:206:VAL:CG1	2.14	0.64
2:2Z:246:LYS:CD	2:1l:240:THR:HA	2.20	0.64
2:3e:231:PRO:N	2:4e:229:GLY:HA3	2.13	0.64
2:3g:226:ILE:C	2:2x:219:LYS:CE	2.71	0.64
2:5f:8:ARG:O	2:5f:8:ARG:CG	2.44	0.64
2:5f:57:MET:HE2	2:7a:111:VAL:CG1	2.27	0.64
2:5f:118:ILE:CG1	2:5f:120:ILE:CG2	2.76	0.64
2:7c:167:LYS:HG2	2:8j:173:LEU:O	1.96	0.64
2:8e:139:ASN:HA	2:9O:129:GLY:HA3	1.79	0.64
2:8e:180:VAL:HG13	2:9F:184:LEU:HD23	1.79	0.64
2:8g:244:GLY:CA	2:9G:243:GLY:H	2.11	0.64
2:1i:197:GLN:CG	2:2e:200:LEU:O	2.45	0.64
2:1k:278:ILE:HG23	2:3k:278:ILE:HD13	0.64	0.64
2:1l:8:ARG:O	2:1l:8:ARG:CG	2.44	0.64
2:2e:200:LEU:HD11	2:1p:200:LEU:CD1	2.28	0.64
2:2f:232:TYR:CE1	2:3j:232:TYR:CD2	2.86	0.64
2:2i:219:LYS:CE	2:3o:226:ILE:C	2.71	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:232:TYR:HD2	2:3o:232:TYR:CG	2.16	0.64
2:6i:280:SER:OG	2:7l:247:LYS:HE2	1.97	0.64
2:6l:120:ILE:HD12	2:8p:120:ILE:CD1	2.27	0.64
2:8k:180:VAL:HG11	2:9G:184:LEU:C	2.22	0.64
2:8k:200:LEU:CD2	2:9G:196:LEU:HB2	2.17	0.64
2:8o:110:LEU:HD22	2:8o:110:LEU:C	2.22	0.64
2:2k:232:TYR:CE1	2:3n:232:TYR:CD2	2.86	0.64
2:3m:246:LYS:HD3	2:4i:240:THR:CA	2.28	0.64
2:4j:8:ARG:O	2:4j:8:ARG:CG	2.44	0.64
2:5i:223:ARG:HD3	2:7j:226:ILE:O	1.97	0.64
2:5j:118:ILE:CG1	2:5j:120:ILE:CG2	2.76	0.64
2:6m:141:PRO:HB3	2:8u:147:ILE:O	1.98	0.64
2:6m:255:THR:HA	2:8u:263:VAL:CG1	2.27	0.64
2:6n:110:LEU:HD22	2:6n:110:LEU:C	2.22	0.64
2:6p:99:VAL:CG2	2:6p:109:THR:O	2.40	0.64
2:6p:244:GLY:HA2	2:7m:243:GLY:O	1.97	0.64
2:8q:201:VAL:C	2:9H:193:LYS:HE2	2.22	0.64
2:8r:99:VAL:CG2	2:8r:109:THR:O	2.41	0.64
2:8s:41:TYR:CE2	2:8s:57:MET:HE3	2.30	0.64
2:1q:244:GLY:N	2:2o:242:LEU:CD1	2.42	0.64
2:1s:131:THR:OG1	2:3s:140:THR:C	2.41	0.64
2:3q:229:GLY:O	2:4k:229:GLY:N	2.28	0.64
2:3q:231:PRO:N	2:4k:229:GLY:HA3	2.13	0.64
2:3q:246:LYS:HD3	2:4k:240:THR:CA	2.28	0.64
2:3s:76:ASN:ND2	2:3s:116:LYS:HD2	2.11	0.64
2:5k:111:VAL:HG22	2:7o:57:MET:SD	2.36	0.64
2:5l:118:ILE:CG1	2:5l:120:ILE:CG2	2.76	0.64
2:6t:120:ILE:HD12	2:9L:120:ILE:CD1	2.27	0.64
2:7r:258:ASP:C	2:9L:259:VAL:HG13	2.20	0.64
2:8w:201:VAL:C	2:9I:193:LYS:HE2	2.22	0.64
2:8y:247:LYS:HG2	2:9J:280:SER:HG	1.62	0.64
2:9L:118:ILE:CG1	2:9L:120:ILE:CG2	2.76	0.64
2:2v:242:LEU:CD2	2:4m:244:GLY:O	2.41	0.64
2:3u:231:PRO:N	2:4m:229:GLY:HA3	2.13	0.64
2:3v:110:LEU:HD22	2:3v:110:LEU:C	2.22	0.64
2:5n:239:THR:CA	2:7u:247:LYS:HB3	2.27	0.64
2:6u:99:VAL:HA	2:9Q:28:ILE:HD12	1.79	0.64
2:9M:199:LEU:HD22	2:9J:186:ALA:C	2.23	0.64
1:5B:91:ILE:HG22	1:5B:91:ILE:O	1.97	0.64
1:4K:447:GLN:CD	2:4g:60:LEU:HD11	2.23	0.64
1:6G:228:GLN:OE1	1:6G:228:GLN:N	2.24	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8H:202:GLU:O	1:8H:204:THR:N	2.30	0.64
1:1M:448:ALA:CB	2:1m:63:TRP:HE1	2.11	0.64
1:2M:397:THR:HA	2:2k:107:LEU:HB2	1.80	0.64
1:4N:203:PRO:CA	1:4N:212:GLU:CG	2.76	0.64
1:5N:203:PRO:HB3	1:5N:209:ALA:HB3	1.80	0.64
1:6N:252:ASP:OD1	1:6N:252:ASP:C	2.37	0.64
1:8O:444:GLY:O	2:8v:44:VAL:HG23	1.93	0.64
1:1S:446:ALA:HB2	2:1q:19:LEU:CD1	2.27	0.64
1:4U:137:GLN:O	1:4U:137:GLN:HG3	1.97	0.64
1:5T:68:ARG:NH1	1:5T:68:ARG:HB3	2.11	0.64
1:5X:448:ALA:O	2:5l:63:TRP:HZ2	1.80	0.64
1:8T:446:ALA:O	2:8x:55:VAL:HA	1.98	0.64
1:4d:446:ALA:CB	2:4n:56:ASN:CB	2.70	0.64
2:2Z:214:PRO:HD2	2:1l:225:MET:HG3	1.78	0.64
2:2Z:247:LYS:N	2:1l:238:THR:O	2.31	0.64
2:2b:98:ALA:HA	2:2b:110:LEU:HD23	1.78	0.64
2:2c:57:MET:CE	2:3l:111:VAL:HG22	2.26	0.64
2:2d:232:TYR:HD2	2:3k:232:TYR:CG	2.16	0.64
2:3e:246:LYS:HB3	2:4e:238:THR:O	1.98	0.64
2:3g:132:GLY:HA3	2:2x:136:LEU:O	1.97	0.64
2:3h:239:THR:HG22	2:4n:247:LYS:HE2	1.79	0.64
2:4f:141:PRO:HD3	2:3l:131:THR:OG1	1.98	0.64
2:5f:246:LYS:HD3	2:6v:240:THR:CA	2.24	0.64
2:6g:239:THR:O	2:7Z:246:LYS:CG	2.46	0.64
2:6h:120:ILE:HD12	2:8j:120:ILE:CD1	2.27	0.64
2:7b:247:LYS:HE2	2:6u:280:SER:OG	1.97	0.64
2:7c:158[B]:ILE:HA	2:8j:154:ALA:CB	2.28	0.64
2:8e:132:GLY:CA	2:9F:136:LEU:HA	2.28	0.64
2:8h:118:ILE:CG1	2:8h:120:ILE:CG2	2.76	0.64
2:9F:238:THR:O	2:9O:246:LYS:C	2.40	0.64
2:1i:209:LEU:CG	2:2e:206:VAL:HG22	2.27	0.64
2:1i:247:LYS:N	2:2e:238:THR:O	2.31	0.64
2:1k:245:VAL:HG22	2:3k:245:VAL:CG2	2.28	0.64
2:2e:247:LYS:N	2:1p:238:THR:O	2.31	0.64
2:2g:119:SER:HA	2:3i:124:ASP:O	1.98	0.64
2:2h:226:ILE:HA	2:3p:219:LYS:HA	1.80	0.64
2:7f:98:ALA:HA	2:7f:110:LEU:HD23	1.78	0.64
2:7i:57:MET:HE3	2:8l:61:ALA:CB	2.22	0.64
2:1m:209:LEU:CG	2:2j:206:VAL:HG22	2.27	0.64
2:1n:118:ILE:CG1	2:1n:120:ILE:CG2	2.76	0.64
2:1o:131:THR:OG1	2:3o:140:THR:C	2.41	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:232:TYR:CE2	2:3m:232:TYR:OH	2.50	0.64
2:2n:148[B]:ILE:HD12	2:1s:148[B]:ILE:CD1	2.21	0.64
2:2n:190:ASP:OD1	2:3s:202:SER:OG	2.13	0.64
2:3m:8:ARG:O	2:3m:8:ARG:CG	2.44	0.64
2:8t:239:THR:HA	2:7s:247:LYS:CA	2.27	0.64
2:2q:120:ILE:HD13	2:4k:120:ILE:HD11	0.74	0.64
2:2r:173:LEU:HB3	2:3x:157:LEU:CD1	2.28	0.64
2:2s:232:TYR:HD2	2:3w:232:TYR:CG	2.16	0.64
2:4l:141:PRO:HD3	2:3x:131:THR:OG1	1.99	0.64
2:4l:247:LYS:HE2	2:3x:239:THR:HG22	1.79	0.64
2:5k:237:ALA:HB1	2:6s:247:LYS:N	2.12	0.64
2:6r:229:GLY:C	2:7u:229:GLY:H	1.96	0.64
2:6s:225:MET:HG3	2:7o:214:PRO:HD2	1.78	0.64
2:6t:244:GLY:HA2	2:7r:243:GLY:O	1.97	0.64
2:8w:132:GLY:CA	2:9l:136:LEU:HA	2.28	0.64
2:8y:210:LEU:CD2	2:9J:206:VAL:HG12	2.23	0.64
2:1u:247:LYS:N	2:2t:238:THR:O	2.31	0.64
2:1w:131:THR:OG1	2:3w:140:THR:C	2.41	0.64
2:2v:247:LYS:CB	2:3u:239:THR:HG23	2.21	0.64
2:4m:98:ALA:CA	2:4m:110:LEU:CB	2.54	0.64
2:6u:145:ARG:HG2	2:9Q:148[A]:ILE:HG22	1.78	0.64
1:3E:445:GLY:O	2:3f:44:VAL:N	2.24	0.63
1:7G:447:GLN:HG3	2:7g:44:VAL:HG11	1.79	0.63
1:3O:423:GLU:OE1	1:3O:423:GLU:N	2.26	0.63
1:7L:447:GLN:CG	2:7l:44:VAL:CG2	2.75	0.63
1:1V:425:LYS:O	1:1V:425:LYS:HG3	1.97	0.63
1:1X:356:PRO:HG3	1:1X:369:PHE:CE2	2.24	0.63
1:4U:404:VAL:O	1:4U:404:VAL:HG12	1.98	0.63
1:6b:425:LYS:O	1:6b:425:LYS:HG2	1.98	0.63
1:7W:28:GLN:CG	2:8z:52:LEU:HD11	2.27	0.63
1:7W:445:GLY:CA	2:7u:53:THR:OG1	2.46	0.63
2:1f:228:ALA:HB1	2:2a:228:ALA:HB1	1.79	0.63
2:1g:278:ILE:HG23	2:3g:278:ILE:HD13	0.64	0.63
2:5f:244:GLY:CA	2:6v:242:LEU:HB3	2.19	0.63
2:6e:118:ILE:CG1	2:6e:120:ILE:CG2	2.76	0.63
2:6e:141:PRO:HB3	2:8i:147:ILE:O	1.98	0.63
2:6h:244:GLY:HA2	2:7c:243:GLY:O	1.97	0.63
2:8e:199:LEU:HD22	2:9F:186:ALA:C	2.23	0.63
2:8h:206:VAL:HG11	2:7i:210:LEU:HD23	1.80	0.63
2:1k:131:THR:OG1	2:3k:140:THR:C	2.41	0.63
2:2g:98:ALA:HA	2:2g:110:LEU:HD23	1.78	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5g:263:VAL:HG11	2:6k:256:ALA:N	2.13	0.63
2:5h:242:LEU:HA	2:7f:245:VAL:O	1.99	0.63
2:6i:118:ILE:CG1	2:6i:120:ILE:CG2	2.76	0.63
2:6i:124:ASP:O	2:7l:119:SER:HA	1.99	0.63
2:6j:223:ARG:NH1	2:7k:227:GLY:HA3	2.14	0.63
2:8k:242:LEU:HD22	2:9G:236:ALA:CB	2.23	0.63
2:8p:76:ASN:ND2	2:8p:116:LYS:CD	2.59	0.63
2:9G:98:ALA:HA	2:9G:110:LEU:HD23	1.78	0.63
2:3o:118:ILE:CG1	2:3o:120:ILE:CG2	2.76	0.63
2:6o:125:ILE:HG12	2:7j:120:ILE:CD1	2.25	0.63
2:7m:248:GLY:HA3	2:8v:279:ILE:HA	1.80	0.63
2:8q:180:VAL:HG21	2:9H:184:LEU:C	2.23	0.63
2:8q:227:GLY:CA	2:9H:219:LYS:NZ	2.54	0.63
2:8r:110:LEU:HD22	2:8r:110:LEU:C	2.22	0.63
2:1s:110:LEU:HD22	2:1s:110:LEU:C	2.22	0.63
2:2r:28:ILE:HD11	2:3x:99:VAL:HG12	1.80	0.63
2:2r:114:ARG:HD2	2:4l:114:ARG:HB2	1.80	0.63
2:2r:176:SER:HB3	2:3x:167:LYS:HD3	1.80	0.63
2:2s:27:ILE:CA	2:1w:73:VAL:HG11	2.26	0.63
2:3q:246:LYS:HB3	2:4k:238:THR:O	1.98	0.63
2:3q:273:LEU:HD23	2:4k:279:ILE:CG2	2.28	0.63
2:6r:223:ARG:HD3	2:7u:228:ALA:N	2.13	0.63
2:6r:242:LEU:C	2:5n:234:LEU:CD2	2.71	0.63
2:7r:232:TYR:CD2	2:9L:232:TYR:CD2	2.85	0.63
2:9K:253:ALA:HB1	2:7v:267:ASN:OD1	1.98	0.63
2:1w:245:VAL:HG11	2:3w:245:VAL:HG21	1.80	0.63
2:1w:273:LEU:HD12	2:3w:269:LEU:HD11	0.68	0.63
2:5n:238:THR:C	2:7u:247:LYS:H	2.06	0.63
2:6w:239:THR:O	2:7t:246:LYS:CG	2.46	0.63
2:7u:98:ALA:HA	2:7u:110:LEU:HD23	1.78	0.63
2:9M:8:ARG:O	2:9M:8:ARG:CG	2.44	0.63
1:6E:448:ALA:O	2:6f:59:PRO:HA	1.97	0.63
1:1I:228:GLN:OE1	1:1I:228:GLN:N	2.22	0.63
1:1J:228:GLN:OE1	1:1J:228:GLN:N	2.20	0.63
1:2J:407:ASN:HD21	2:2i:46:ASP:HB2	1.63	0.63
1:4I:404:VAL:HG12	1:4I:404:VAL:O	1.98	0.63
1:5K:445:GLY:O	2:5g:44:VAL:HB	1.97	0.63
1:6G:443:SER:N	2:6l:45:LYS:HZ1	1.95	0.63
1:7F:314:ASN:OD1	1:7F:314:ASN:C	2.40	0.63
1:1Q:394:THR:O	1:1Q:394:THR:HG22	1.97	0.63
1:2M:28:GLN:HE22	2:4j:27:ILE:HD12	1.64	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3X:448:ALA:O	2:3q:63:TRP:CZ2	2.52	0.63
1:6T:230:SER:OG	1:6T:231:ARG:N	2.30	0.63
1:6V:425:LYS:O	1:6V:425:LYS:HG2	1.98	0.63
1:1b:425:LYS:O	1:1b:425:LYS:HG3	1.97	0.63
2:1g:263:VAL:CG1	2:3g:256:ALA:H	2.06	0.63
2:1g:280:SER:HB2	2:3g:249:ALA:C	2.24	0.63
2:1h:118:ILE:CG1	2:1h:120:ILE:CG2	2.76	0.63
2:2Z:200:LEU:HD11	2:1l:200:LEU:CD1	2.28	0.63
2:2a:232:TYR:CE1	2:3f:232:TYR:CD2	2.86	0.63
2:3g:8:ARG:O	2:3g:8:ARG:CG	2.44	0.63
2:3h:197:GLN:NE2	2:2w:201:VAL:HA	2.13	0.63
2:4f:76:ASN:ND2	2:4f:116:LYS:HD2	2.11	0.63
2:6g:76:ASN:ND2	2:6g:116:LYS:CD	2.59	0.63
2:6g:239:THR:HA	2:7Z:246:LYS:C	2.22	0.63
2:8h:253:ALA:HA	2:8l:270:ILE:HD12	1.80	0.63
2:2e:210:LEU:HA	2:1p:206:VAL:CG1	2.14	0.63
2:2h:173:LEU:HB3	2:3p:157:LEU:CD1	2.28	0.63
2:2i:234:LEU:HD13	2:3o:234:LEU:HD12	1.79	0.63
2:3i:118:ILE:CG1	2:3i:120:ILE:CG2	2.76	0.63
2:5h:118:ILE:CG1	2:5h:120:ILE:CG2	2.76	0.63
2:6i:76:ASN:ND2	2:6i:116:LYS:HD2	2.11	0.63
2:6j:228:ALA:CB	2:5j:228:ALA:HB1	2.22	0.63
2:6j:228:ALA:HA	2:5j:223:ARG:HD2	1.79	0.63
2:7h:265:ASP:HB2	2:8p:266:LEU:HD23	1.79	0.63
2:8m:234:LEU:CD2	2:9H:242:LEU:CB	2.77	0.63
2:4j:141:PRO:HD3	2:3t:131:THR:OG1	1.98	0.63
2:6m:257:THR:O	2:8u:259:VAL:HG21	1.94	0.63
2:6n:41:TYR:CE2	2:6n:57:MET:HE3	2.30	0.63
2:6o:227:GLY:C	2:7j:223:ARG:NH1	2.55	0.63
2:6o:227:GLY:O	2:7j:223:ARG:NE	2.30	0.63
2:7m:254:SER:CA	2:8v:267:ASN:ND2	2.59	0.63
2:7m:259:VAL:CA	2:8v:259:VAL:HG22	2.27	0.63
2:8q:269:LEU:C	2:9H:269:LEU:HD21	2.22	0.63
2:8s:244:GLY:CA	2:9I:243:GLY:H	2.11	0.63
2:1r:226:ILE:HG12	2:3r:226:ILE:CD1	2.29	0.63
2:1s:237:ALA:CB	2:3s:247:LYS:H	2.07	0.63
2:1s:245:VAL:HG22	2:3s:245:VAL:CG2	2.28	0.63
2:2p:240:THR:O	2:3r:246:LYS:CE	2.41	0.63
2:2s:219:LYS:CE	2:3w:226:ILE:C	2.71	0.63
2:8w:76:ASN:ND2	2:8w:116:LYS:CD	2.59	0.63
2:8y:246:LYS:C	2:9J:238:THR:O	2.41	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8z:118:ILE:CG1	2:8z:120:ILE:CG2	2.76	0.63
2:1x:76:ASN:ND2	2:1x:116:LYS:CD	2.59	0.63
2:9M:116:LYS:HA	2:9M:116:LYS:CE	2.22	0.63
2:9M:180:VAL:HG11	2:9J:184:LEU:C	2.22	0.63
2:9P:8:ARG:O	2:9P:8:ARG:CG	2.44	0.63
1:1D:448:ALA:O	2:1h:41:TYR:CD1	2.51	0.63
1:5C:245:GLU:OE1	1:5C:245:GLU:N	2.19	0.63
1:7D:445:GLY:HA2	2:7Z:45:LYS:CB	2.28	0.63
1:8A:444:GLY:O	2:8e:54:GLN:HB3	1.98	0.63
1:1I:212:GLU:OE2	1:1L:438:ARG:HB3	1.97	0.63
1:5H:91:ILE:O	1:5H:91:ILE:HG22	1.97	0.63
1:2K:405:SER:O	2:2m:44:VAL:O	2.15	0.63
1:4R:443:SER:CA	2:4j:56:ASN:ND2	2.62	0.63
1:3X:444:GLY:O	2:3q:44:VAL:CG2	2.47	0.63
1:5T:91:ILE:O	1:5T:91:ILE:HG22	1.97	0.63
1:5X:446:ALA:HA	2:5l:56:ASN:H	1.63	0.63
1:7P:446:ALA:HB1	2:7s:42:VAL:O	1.98	0.63
1:1Y:448:ALA:HB3	2:1u:63:TRP:HE1	1.64	0.63
1:1a:212:GLU:OE2	1:1d:438:ARG:HB3	1.97	0.63
1:1c:252:ASP:OD1	1:1c:252:ASP:C	2.39	0.63
1:3Z:245:GLU:OE1	1:3Z:245:GLU:N	2.22	0.63
1:3a:203:PRO:O	1:3a:205:SER:N	2.31	0.63
2:1e:131:THR:OG1	2:1l:141:PRO:HD3	1.98	0.63
2:1e:247:LYS:N	2:2Z:238:THR:O	2.31	0.63
2:2d:136:LEU:O	2:3k:132:GLY:HA3	1.97	0.63
2:3h:131:THR:OG1	2:4n:141:PRO:HD3	1.98	0.63
2:3h:197:GLN:HE21	2:2w:201:VAL:HA	1.63	0.63
2:3h:226:ILE:HG21	2:4n:226:ILE:HD13	1.79	0.63
2:5f:242:LEU:HA	2:7a:245:VAL:O	1.99	0.63
2:5f:247:LYS:HE2	2:6v:280:SER:OG	1.99	0.63
2:6h:234:LEU:CD2	2:7c:243:GLY:HA2	2.29	0.63
2:6h:263:VAL:HG21	2:8j:256:ALA:CB	2.25	0.63
2:7a:148[B]:ILE:HD12	2:6v:148[B]:ILE:HD11	1.79	0.63
2:7b:119:SER:HA	2:6u:124:ASP:O	1.99	0.63
2:7d:234:LEU:HD21	2:9P:242:LEU:CB	2.10	0.63
2:8e:175:PHE:CD1	2:9F:171:GLN:CG	2.81	0.63
2:9F:242:LEU:HB3	2:9O:244:GLY:N	2.13	0.63
2:1i:242:LEU:HD22	2:1p:244:GLY:O	1.98	0.63
2:1k:183:PHE:CD2	2:3k:183:PHE:HE2	2.16	0.63
2:1k:278:ILE:CG2	2:3k:278:ILE:HD12	2.23	0.63
2:2f:206:VAL:HG11	2:3j:210:LEU:HA	1.81	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:223:ARG:HD3	2:3i:228:ALA:HA	1.60	0.63
2:2g:246:LYS:CD	2:3i:240:THR:C	2.71	0.63
2:3i:246:LYS:HB3	2:4g:238:THR:O	1.98	0.63
2:6j:234:LEU:HD23	2:7k:242:LEU:O	1.98	0.63
2:6j:280:SER:OG	2:5j:247:LYS:HE2	1.99	0.63
2:6l:244:GLY:HA2	2:7h:243:GLY:O	1.97	0.63
2:8k:225:MET:HG3	2:9G:212:GLY:O	1.97	0.63
2:1m:110:LEU:HD22	2:1m:110:LEU:C	2.22	0.63
2:1m:131:THR:OG1	2:1t:141:PRO:HD3	1.98	0.63
2:1o:183:PHE:CD2	2:3o:183:PHE:HE2	2.16	0.63
2:1o:279:ILE:CA	2:3o:248:GLY:HA3	2.25	0.63
2:2l:62:ALA:HA	2:2l:110:LEU:O	1.99	0.63
2:3m:246:LYS:CB	2:4i:238:THR:O	2.46	0.63
2:8t:253:ALA:HA	2:8x:270:ILE:HD12	1.80	0.63
2:2o:247:LYS:N	2:1x:238:THR:O	2.32	0.63
2:2p:226:ILE:HB	2:3r:223:ARG:N	2.13	0.63
2:6r:228:ALA:HA	2:5n:223:ARG:HD2	1.79	0.63
2:6s:243:GLY:N	2:7o:244:GLY:CA	2.57	0.63
2:6t:234:LEU:CD2	2:7r:243:GLY:HA2	2.29	0.63
2:1u:209:LEU:CG	2:2t:206:VAL:HG22	2.27	0.63
2:2u:199:LEU:HD13	2:3v:183:PHE:CE1	2.34	0.63
2:2u:226:ILE:HB	2:3v:223:ARG:N	2.13	0.63
2:3u:232:TYR:CD2	2:4m:232:TYR:CD1	2.83	0.63
2:5n:118:ILE:CG1	2:5n:120:ILE:CG2	2.76	0.63
2:7w:254:SER:CA	2:9R:267:ASN:ND2	2.59	0.63
2:9M:225:MET:HG3	2:9J:212:GLY:O	1.97	0.63
1:4C:137:GLN:HG3	1:4C:137:GLN:O	1.97	0.63
1:1K:394:THR:HG22	1:1K:394:THR:O	1.97	0.63
1:5H:203:PRO:HB3	1:5H:209:ALA:HB3	1.80	0.63
1:1O:446:ALA:HA	2:1o:44:VAL:HG23	1.81	0.63
1:4M:136:ARG:NH2	1:4M:140:TYR:OH	2.31	0.63
1:5N:228:GLN:OE1	1:5N:228:GLN:N	2.23	0.63
1:6M:444:GLY:O	2:6p:45:LYS:CD	2.47	0.63
1:8R:314:ASN:OD1	1:8R:314:ASN:C	2.39	0.63
1:4W:392:THR:HG21	2:4k:66:ILE:HD11	1.80	0.63
1:5W:445:GLY:C	2:5k:44:VAL:CB	2.69	0.63
1:8X:446:ALA:CB	2:8y:19:LEU:HD12	2.28	0.63
1:4a:245:GLU:OE1	1:4a:245:GLU:N	2.24	0.63
1:9E:445:GLY:HA3	2:9J:53:THR:CG2	2.28	0.63
2:1e:242:LEU:CD2	2:1l:245:VAL:HA	2.29	0.63
2:1g:237:ALA:HB3	2:3g:247:LYS:N	2.13	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:245:VAL:HG22	2:3g:245:VAL:CG2	2.28	0.63
2:2Z:247:LYS:HG2	2:1l:280:SER:HG	1.58	0.63
2:2b:119:SER:HA	2:3e:124:ASP:O	1.99	0.63
2:2b:236:ALA:HA	2:3e:242:LEU:CG	2.28	0.63
2:2c:201:VAL:HA	2:3l:197:GLN:HG2	1.79	0.63
2:3e:246:LYS:HD3	2:4e:240:THR:CA	2.28	0.63
2:3h:223:ARG:CA	2:2w:226:ILE:HD12	2.25	0.63
2:4f:247:LYS:HE2	2:3l:239:THR:HG22	1.79	0.63
2:5e:226:ILE:CD1	2:7Z:226:ILE:CD1	2.70	0.63
2:6e:99:VAL:HA	2:8i:28:ILE:HD12	1.79	0.63
2:6f:223:ARG:HD3	2:7f:228:ALA:N	2.13	0.63
2:7Z:98:ALA:HA	2:7Z:110:LEU:HD23	1.78	0.63
2:8g:246:LYS:C	2:9G:238:THR:O	2.40	0.63
2:1i:110:LEU:HD22	2:1i:110:LEU:C	2.22	0.63
2:1i:131:THR:OG1	2:1p:141:PRO:HD3	1.99	0.63
2:2e:236:ALA:CA	2:1p:242:LEU:HD11	2.28	0.63
2:2i:248:GLY:O	2:3o:280:SER:HB2	1.97	0.63
2:3i:76:ASN:ND2	2:3i:116:LYS:HD2	2.11	0.63
2:5g:266:LEU:CD2	2:6k:265:ASP:HB3	2.20	0.63
2:6i:251:VAL:HG11	2:8o:279:ILE:HD13	1.77	0.63
2:7e:98:ALA:HA	2:7e:110:LEU:HD23	1.78	0.63
2:8m:266:LEU:CG	2:8q:254:SER:CB	2.76	0.63
2:8o:253:ALA:HB1	2:7l:267:ASN:OD1	1.98	0.63
2:2n:119:SER:HA	2:3s:124:ASP:O	1.97	0.63
2:5i:245:VAL:O	2:7j:242:LEU:HA	1.99	0.63
2:5j:242:LEU:HA	2:7k:245:VAL:O	1.98	0.63
2:6m:99:VAL:HA	2:8u:28:ILE:HD12	1.79	0.63
2:6m:247:LYS:CE	2:8u:277:GLY:CA	2.71	0.63
2:6n:223:ARG:HD3	2:7p:227:GLY:O	1.98	0.63
2:6n:273:LEU:HD21	2:7p:279:ILE:HG21	1.79	0.63
2:7m:158[B]:ILE:HA	2:8v:154:ALA:CB	2.28	0.63
2:8s:222:LEU:CG	2:9I:226:ILE:CG2	2.68	0.63
2:1r:118:ILE:CG1	2:1r:120:ILE:CG2	2.76	0.63
2:1t:118:ILE:CG1	2:1t:120:ILE:CG2	2.76	0.63
2:5l:238:THR:C	2:7p:247:LYS:H	2.06	0.63
2:6q:148[B]:ILE:CD1	2:7v:148[B]:ILE:HD11	2.28	0.63
2:6q:265:ASP:CB	2:9K:266:LEU:HD22	2.03	0.63
2:6s:226:ILE:CG2	2:7o:222:LEU:HB3	2.25	0.63
2:7r:248:GLY:HA3	2:9L:279:ILE:HA	1.80	0.63
2:8w:199:LEU:HD22	2:9I:186:ALA:C	2.23	0.63
2:8y:234:LEU:CD2	2:9J:242:LEU:CB	2.77	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1v:226:ILE:HG12	2:3v:226:ILE:CD1	2.29	0.63
2:1w:237:ALA:HB3	2:3w:247:LYS:N	2.13	0.63
2:9M:118:ILE:CG1	2:9M:120:ILE:CG2	2.76	0.63
2:9M:145:ARG:HE	2:9M:159:ASN:ND2	1.97	0.63
1:4A:136:ARG:NH2	1:4A:140:TYR:OH	2.31	0.63
1:8B:448:ALA:HB3	2:8f:57:MET:HE1	1.80	0.63
1:1O:444:GLY:N	2:1o:45:LYS:HE3	1.93	0.63
1:1W:252:ASP:OD1	1:1W:252:ASP:C	2.39	0.63
1:3U:447:GLN:HB2	2:3t:42:VAL:CG1	2.28	0.63
1:4S:136:ARG:NH2	1:4S:140:TYR:OH	2.31	0.63
1:5W:446:ALA:HA	2:5k:42:VAL:O	1.98	0.63
1:1c:207:THR:CB	1:1d:355:SER:HG	2.10	0.63
1:1c:394:THR:HG22	1:1c:394:THR:O	1.97	0.63
1:3b:63:THR:O	1:3b:63:THR:HG22	1.98	0.63
1:6Z:447:GLN:C	2:6w:41:TYR:HD1	2.05	0.63
2:1h:200:LEU:HD23	2:2t:196:LEU:HB3	1.78	0.63
2:2Z:214:PRO:CG	2:1l:225:MET:CG	2.74	0.63
2:2a:199:LEU:HD13	2:3f:183:PHE:CE1	2.34	0.63
2:2a:206:VAL:HG11	2:3f:210:LEU:HA	1.81	0.63
2:3g:124:ASP:O	2:2x:119:SER:HA	1.97	0.63
2:5f:145:ARG:HE	2:5f:159:ASN:ND2	1.97	0.63
2:6f:120:ILE:O	2:7f:125:ILE:HA	1.97	0.63
2:6f:223:ARG:HD3	2:7f:227:GLY:O	1.98	0.63
2:6f:238:THR:C	2:5h:247:LYS:HB2	2.22	0.63
2:6g:227:GLY:C	2:7Z:223:ARG:NH1	2.55	0.63
2:8e:278:ILE:HG22	2:9F:278:ILE:CB	2.19	0.63
2:1j:145:ARG:HE	2:1j:159:ASN:ND2	1.97	0.63
2:2f:226:ILE:HB	2:3j:223:ARG:N	2.13	0.63
2:4h:226:ILE:HD13	2:3p:226:ILE:HG21	1.79	0.63
2:4h:247:LYS:NZ	2:3p:239:THR:HG23	2.14	0.63
2:6k:145:ARG:HE	2:6k:159:ASN:ND2	1.97	0.63
2:6k:239:THR:HA	2:7e:246:LYS:C	2.22	0.63
2:7g:62:ALA:HA	2:7g:110:LEU:O	1.99	0.63
2:7h:120:ILE:CD1	2:8p:120:ILE:HD13	2.29	0.63
2:8m:244:GLY:CA	2:9H:243:GLY:H	2.11	0.63
2:1n:223:ARG:HD2	2:3n:227:GLY:C	2.21	0.63
2:1n:247:LYS:HD3	2:3n:239:THR:CG2	2.13	0.63
2:1p:145:ARG:HE	2:1p:159:ASN:ND2	1.97	0.63
2:2k:206:VAL:HG11	2:3n:210:LEU:HA	1.81	0.63
2:2k:226:ILE:HB	2:3n:223:ARG:N	2.13	0.63
2:2n:193:LYS:CB	2:3s:200:LEU:O	2.44	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3m:118:ILE:CG1	2:3m:120:ILE:CG2	2.76	0.63
2:3n:145:ARG:HE	2:3n:159:ASN:ND2	1.97	0.63
2:4i:145:ARG:HE	2:4i:159:ASN:ND2	1.97	0.63
2:6m:118:ILE:CG1	2:6m:120:ILE:CG2	2.76	0.63
2:6n:223:ARG:NH1	2:7p:227:GLY:HA3	2.14	0.63
2:6n:240:THR:CA	2:5l:246:LYS:HD3	2.24	0.63
2:6n:242:LEU:C	2:5l:234:LEU:CD2	2.71	0.63
2:7m:259:VAL:HG23	2:8v:259:VAL:HG23	1.76	0.63
2:8q:180:VAL:HG13	2:9H:184:LEU:HD23	1.79	0.63
2:2s:150:GLU:CD	2:1w:141:PRO:HB2	2.24	0.63
2:3r:99:VAL:CG2	2:3r:109:THR:O	2.41	0.63
2:3s:118:ILE:CG1	2:3s:120:ILE:CG2	2.76	0.63
2:4l:118:ILE:CG1	2:4l:120:ILE:CG2	2.76	0.63
2:4l:145:ARG:HE	2:4l:159:ASN:ND2	1.97	0.63
2:6r:228:ALA:CB	2:5n:228:ALA:HB1	2.22	0.63
2:6s:8:ARG:O	2:6s:8:ARG:CG	2.44	0.63
2:6s:118:ILE:CG1	2:6s:120:ILE:CG2	2.76	0.63
2:7r:258:ASP:N	2:9L:259:VAL:HG11	2.14	0.63
2:8w:118:ILE:CG1	2:8w:120:ILE:CG2	2.76	0.63
2:8w:180:VAL:HG11	2:9I:184:LEU:C	2.22	0.63
2:8y:222:LEU:CG	2:9J:226:ILE:CG2	2.68	0.63
2:1w:145:ARG:HE	2:1w:159:ASN:ND2	1.97	0.63
2:1w:245:VAL:HG22	2:3w:245:VAL:CG2	2.28	0.63
2:1w:278:ILE:HG23	2:3w:278:ILE:HD13	0.64	0.63
2:2v:119:SER:HA	2:3u:124:ASP:O	1.98	0.63
2:6u:8:ARG:O	2:6u:8:ARG:CG	2.44	0.63
2:6u:141:PRO:HB3	2:9Q:147:ILE:O	1.98	0.63
2:6w:76:ASN:ND2	2:6w:116:LYS:HD2	2.11	0.63
2:6w:118:ILE:CG1	2:6w:120:ILE:CG2	2.76	0.63
2:6w:226:ILE:CB	2:7t:222:LEU:CB	2.72	0.63
2:6w:232:TYR:HH	2:7t:232:TYR:HE2	1.47	0.63
2:7w:249:ALA:C	2:9R:280:SER:HB2	2.24	0.63
2:9M:199:LEU:HD13	2:9J:186:ALA:HA	1.77	0.63
1:1E:201:ASP:OD2	1:1F:372:TYR:OH	2.05	0.63
1:7D:107:GLU:OE1	1:7D:107:GLU:HA	1.99	0.63
1:7D:445:GLY:CA	2:7Z:45:LYS:HB3	2.26	0.63
1:4H:203:PRO:CA	1:4H:212:GLU:CG	2.76	0.63
1:7J:443:SER:OG	2:7h:56:ASN:ND2	2.32	0.63
1:1U:445:GLY:HA2	2:1s:54:GLN:O	1.99	0.63
1:7S:446:ALA:HB1	2:7o:41:TYR:HE2	1.13	0.63
1:1b:448:ALA:C	2:1x:41:TYR:HE1	2.03	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4Y:136:ARG:NH2	1:4Y:140:TYR:OH	2.31	0.63
2:1h:242:LEU:CD2	2:2t:236:ALA:CA	2.63	0.63
2:2b:244:GLY:HA3	2:3e:242:LEU:C	2.23	0.63
2:2d:219:LYS:CE	2:3k:226:ILE:C	2.71	0.63
2:3h:242:LEU:CD1	2:4n:234:LEU:HD21	2.28	0.63
2:4e:145:ARG:HE	2:4e:159:ASN:ND2	1.97	0.63
2:6g:232:TYR:HH	2:7Z:232:TYR:HE2	1.46	0.63
2:7b:148[B]:ILE:HD11	2:6u:148[B]:ILE:CD1	2.28	0.63
2:7c:249:ALA:C	2:8j:280:SER:HB2	2.24	0.63
2:7c:258:ASP:C	2:8j:259:VAL:HG13	2.20	0.63
2:8g:145:ARG:HE	2:8g:159:ASN:ND2	1.97	0.63
2:2h:242:LEU:CD1	2:3p:243:GLY:CA	2.77	0.63
2:2i:244:GLY:C	2:3o:243:GLY:O	2.42	0.63
2:4h:118:ILE:CG1	2:4h:120:ILE:CG2	2.76	0.63
2:5h:76:ASN:ND2	2:5h:116:LYS:HD2	2.11	0.63
2:6j:242:LEU:C	2:5j:234:LEU:CD2	2.71	0.63
2:6k:232:TYR:CD1	2:7e:232:TYR:HB3	2.34	0.63
2:6k:239:THR:O	2:7e:246:LYS:CG	2.46	0.63
2:6l:234:LEU:CD2	2:7h:243:GLY:HA2	2.29	0.63
2:7h:258:ASP:HA	2:8p:259:VAL:HG11	1.78	0.63
2:8k:118:ILE:CG1	2:8k:120:ILE:CG2	2.76	0.63
2:8k:148[B]:ILE:HD11	2:9G:148[B]:ILE:CD1	2.24	0.63
2:8k:199:LEU:HD22	2:9G:186:ALA:C	2.23	0.63
2:8k:227:GLY:CA	2:9G:219:LYS:NZ	2.54	0.63
2:8n:126:LYS:HB2	2:7n:119:SER:HB3	1.81	0.63
2:1m:247:LYS:N	2:2j:238:THR:O	2.31	0.63
2:1o:237:ALA:HB3	2:3o:247:LYS:N	2.13	0.63
2:1o:281:LEU:O	2:3o:250:ALA:CB	2.46	0.63
2:2j:62:ALA:HA	2:2j:110:LEU:O	1.99	0.63
2:2m:173:LEU:HB3	2:3t:157:LEU:CD1	2.28	0.63
2:5i:145:ARG:HE	2:5i:159:ASN:ND2	1.97	0.63
2:5j:76:ASN:ND2	2:5j:116:LYS:HD2	2.11	0.63
2:6m:145:ARG:HE	2:6m:159:ASN:ND2	1.97	0.63
2:6o:232:TYR:CD1	2:7j:232:TYR:HB3	2.34	0.63
2:7m:171:GLN:NE2	2:8v:174:LEU:O	2.29	0.63
2:8q:145:ARG:HE	2:8q:159:ASN:ND2	1.97	0.63
2:8q:183:PHE:CG	2:9H:183:PHE:CZ	2.86	0.63
2:1q:247:LYS:N	2:2o:238:THR:O	2.31	0.63
2:2r:225:MET:HG3	2:3x:214:PRO:CG	2.05	0.63
2:2r:242:LEU:N	2:3x:234:LEU:CD2	2.60	0.63
2:2s:158[B]:ILE:HD13	2:3w:154:ALA:HB1	1.79	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6t:145:ARG:HE	2:6t:159:ASN:ND2	1.97	0.63
2:8x:41:TYR:CE2	2:8x:57:MET:HE3	2.30	0.63
2:1w:263:VAL:HG22	2:3w:262:ALA:CB	2.22	0.63
2:2v:120:ILE:HD13	2:4m:120:ILE:HD11	0.74	0.63
2:6u:118:ILE:CG1	2:6u:120:ILE:CG2	2.76	0.63
2:7w:120:ILE:CD1	2:9R:120:ILE:HD13	2.29	0.63
2:9M:132:GLY:CA	2:9J:136:LEU:HA	2.28	0.63
1:1E:394:THR:O	1:1E:394:THR:HG22	1.97	0.63
1:2B:356:PRO:HB2	1:2B:369:PHE:CE2	2.34	0.63
1:6A:228:GLN:OE1	1:6A:228:GLN:N	2.24	0.63
1:7E:407:ASN:ND2	2:7c:45:LYS:HG3	2.14	0.63
1:7E:448:ALA:CB	2:7c:60:LEU:HG	2.25	0.63
1:2G:356:PRO:CG	1:2G:369:PHE:CE2	2.73	0.63
1:8G:444:GLY:O	2:8k:56:ASN:OD1	2.17	0.63
1:3N:245:GLU:OE1	1:3N:245:GLU:N	2.22	0.63
1:5R:443:SER:O	2:5j:44:VAL:HG21	1.97	0.63
1:8M:228:GLN:OE1	1:8M:228:GLN:N	2.26	0.63
1:1U:447:GLN:CG	2:1s:60:LEU:HD12	2.29	0.63
1:8W:448:ALA:O	2:8z:60:LEU:CB	2.45	0.63
2:1e:99:VAL:CG2	2:1e:109:THR:O	2.40	0.63
2:1e:242:LEU:HD22	2:1l:244:GLY:O	1.99	0.63
2:1g:131:THR:OG1	2:3g:140:THR:C	2.41	0.63
2:2b:210:LEU:CD2	2:3e:206:VAL:CG1	2.67	0.63
2:3g:145:ARG:HE	2:3g:159:ASN:ND2	1.97	0.63
2:4f:247:LYS:HZ3	2:3l:239:THR:HG23	1.64	0.63
2:6e:148[B]:ILE:CD1	2:7g:148[B]:ILE:HD11	2.28	0.63
2:6h:118:ILE:O	2:7c:124:ASP:HB3	1.99	0.63
2:7Z:62:ALA:HA	2:7Z:110:LEU:O	1.99	0.63
2:7b:62:ALA:HA	2:7b:110:LEU:O	1.99	0.63
2:8g:129:GLY:HA3	2:8k:139:ASN:HA	1.79	0.63
2:1j:226:ILE:HG12	2:3j:226:ILE:CD1	2.29	0.63
2:1k:245:VAL:HG11	2:3k:245:VAL:HG21	1.80	0.63
2:2f:226:ILE:HD12	2:3j:223:ARG:N	2.14	0.63
2:2h:176:SER:HB3	2:3p:167:LYS:HD3	1.81	0.63
2:2i:234:LEU:CD2	2:3o:243:GLY:CA	2.65	0.63
2:2i:278:ILE:HD13	2:3o:278:ILE:HG23	1.79	0.63
2:4g:145:ARG:HE	2:4g:159:ASN:ND2	1.97	0.63
2:4h:145:ARG:HE	2:4h:159:ASN:ND2	1.97	0.63
2:5g:111:VAL:HG22	2:7e:57:MET:SD	2.36	0.63
2:6j:238:THR:C	2:5j:247:LYS:HB2	2.22	0.63
2:7h:258:ASP:C	2:8p:259:VAL:HG13	2.20	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:180:VAL:HG21	2:9G:184:LEU:C	2.23	0.63
2:8k:183:PHE:CG	2:9G:183:PHE:CZ	2.86	0.63
2:8m:131:THR:OG1	2:8q:140:THR:HA	1.99	0.63
2:1o:99:VAL:CG2	2:1o:109:THR:O	2.41	0.63
2:1o:145:ARG:HE	2:1o:159:ASN:ND2	1.97	0.63
2:1p:118:ILE:CG1	2:1p:120:ILE:CG2	2.76	0.63
2:2l:119:SER:HA	2:3m:124:ASP:O	1.98	0.63
2:2l:242:LEU:HA	2:4i:245:VAL:O	1.99	0.63
2:2m:201:VAL:CG1	2:3t:210:LEU:CD2	2.63	0.63
2:2m:242:LEU:CD1	2:3t:243:GLY:CA	2.77	0.63
2:2n:150:GLU:CD	2:1s:141:PRO:HB2	2.24	0.63
2:6m:280:SER:OG	2:7q:247:LYS:HE2	1.97	0.63
2:6n:120:ILE:O	2:7p:125:ILE:HA	1.97	0.63
2:6p:118:ILE:O	2:7m:124:ASP:HB3	1.99	0.63
2:7m:120:ILE:CD1	2:8v:120:ILE:HD13	2.29	0.63
2:7m:265:ASP:HB2	2:8v:266:LEU:HD23	1.79	0.63
2:8r:145:ARG:HE	2:8r:159:ASN:ND2	1.97	0.63
2:8s:234:LEU:CD2	2:9l:242:LEU:CB	2.77	0.63
2:8s:234:LEU:HG	2:9l:242:LEU:CB	2.29	0.63
2:2o:200:LEU:HD11	2:1x:200:LEU:CD1	2.28	0.63
2:2p:232:TYR:CE1	2:3r:232:TYR:CD2	2.86	0.63
2:2q:236:ALA:HA	2:3q:242:LEU:CG	2.28	0.63
2:2q:236:ALA:CA	2:3q:242:LEU:HD13	2.22	0.63
2:2s:249:ALA:C	2:3w:280:SER:HB2	2.22	0.63
2:3t:145:ARG:HE	2:3t:159:ASN:ND2	1.97	0.63
2:4l:234:LEU:HD21	2:3x:242:LEU:CD1	2.28	0.63
2:5l:145:ARG:HE	2:5l:159:ASN:ND2	1.97	0.63
2:6r:238:THR:O	2:5n:246:LYS:C	2.42	0.63
2:6s:116:LYS:HA	2:6s:116:LYS:CE	2.22	0.63
2:8w:174:LEU:CD2	2:9l:170:LEU:HD13	2.25	0.63
2:8z:126:LYS:HB2	2:7x:119:SER:HB3	1.81	0.63
2:1u:235:PRO:O	2:2t:242:LEU:HD11	1.97	0.63
2:2w:251:VAL:O	2:4n:274:LYS:NZ	2.28	0.63
2:3u:145:ARG:HE	2:3u:159:ASN:ND2	1.97	0.63
2:6u:257:THR:C	2:9Q:259:VAL:HG21	2.21	0.63
2:6w:227:GLY:CA	2:7t:223:ARG:NH1	2.49	0.63
2:7w:73:VAL:HG12	2:9R:28:ILE:HG13	1.81	0.63
2:7w:158[B]:ILE:HA	2:9R:154:ALA:CB	2.28	0.63
2:9N:145:ARG:HE	2:9N:159:ASN:ND2	1.97	0.63
2:9P:118:ILE:CG1	2:9P:120:ILE:CG2	2.76	0.63
1:7B:392:THR:C	2:7b:46:ASP:OD2	2.41	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8B:448:ALA:HB2	2:8f:41:TYR:CD2	2.33	0.63
1:1G:407:ASN:OD1	2:1i:45:LYS:HG2	1.99	0.63
1:1K:207:THR:HG1	1:1L:355:SER:HG	0.73	0.63
1:7H:444:GLY:HA3	2:7f:45:LYS:HE3	1.79	0.63
1:7I:107:GLU:OE1	1:7I:107:GLU:HA	1.99	0.63
1:7J:394:THR:HA	2:7h:16:TYR:HE1	1.62	0.63
1:1Q:252:ASP:OD1	1:1Q:252:ASP:C	2.39	0.63
1:7K:314:ASN:C	1:7K:314:ASN:OD1	2.41	0.63
1:7M:447:GLN:O	2:7k:42:VAL:HG12	1.98	0.63
1:2Q:403:SER:HB3	2:2q:107:LEU:HD11	1.79	0.63
1:8V:445:GLY:CA	2:9K:45:LYS:HB2	2.22	0.63
1:2V:356:PRO:HB2	1:2V:369:PHE:CE2	2.34	0.63
2:2a:226:ILE:HB	2:3f:223:ARG:N	2.13	0.63
2:2d:150:GLU:CD	2:1k:141:PRO:HB2	2.24	0.63
2:4f:247:LYS:NZ	2:3l:239:THR:HG23	2.14	0.63
2:5e:245:VAL:O	2:7Z:242:LEU:HA	1.99	0.63
2:5e:263:VAL:HG11	2:6g:256:ALA:N	2.13	0.63
2:6f:223:ARG:NH1	2:7f:227:GLY:HA3	2.14	0.63
2:8e:247:LYS:HE3	2:9O:277:GLY:C	2.21	0.63
2:9F:206:VAL:HG12	2:9O:210:LEU:CD2	2.23	0.63
2:1k:266:LEU:CG	2:3k:266:LEU:N	2.60	0.63
2:1k:273:LEU:HD13	2:3k:273:LEU:CD2	2.29	0.63
2:3k:145:ARG:HE	2:3k:159:ASN:ND2	1.97	0.63
2:5g:245:VAL:O	2:7e:242:LEU:HA	1.99	0.63
2:5h:145:ARG:HE	2:5h:159:ASN:ND2	1.97	0.63
2:7h:158[B]:ILE:HA	2:8p:154:ALA:CB	2.28	0.63
2:8p:118:ILE:CG1	2:8p:120:ILE:CG2	2.76	0.63
2:1m:242:LEU:CD2	2:1t:245:VAL:HA	2.29	0.63
2:1n:226:ILE:HG12	2:3n:226:ILE:CD1	2.29	0.63
2:1o:229:GLY:HA2	2:3o:231:PRO:CG	2.17	0.63
2:2k:145:ARG:HE	2:2k:159:ASN:ND2	1.97	0.63
2:2l:244:GLY:HA3	2:3m:242:LEU:C	2.23	0.63
2:2m:145:ARG:HE	2:2m:159:ASN:ND2	1.97	0.63
2:2m:201:VAL:HA	2:3t:197:GLN:HE21	1.63	0.63
2:2m:251:VAL:O	2:4j:274:LYS:NZ	2.28	0.63
2:2n:266:LEU:HA	2:3s:266:LEU:HD21	1.79	0.63
2:3m:246:LYS:HB3	2:4i:238:THR:O	1.98	0.63
2:3p:145:ARG:HE	2:3p:159:ASN:ND2	1.97	0.63
2:6n:234:LEU:HD23	2:7p:242:LEU:O	1.99	0.63
2:6o:226:ILE:C	2:7j:219:LYS:HB3	2.24	0.63
2:6p:263:VAL:HG21	2:8v:256:ALA:CB	2.25	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:183:PHE:CD1	2:9I:199:LEU:HB3	2.34	0.63
2:8s:277:GLY:C	2:8w:247:LYS:HE3	2.22	0.63
2:1s:145:ARG:HE	2:1s:159:ASN:ND2	1.97	0.63
2:1t:145:ARG:HE	2:1t:159:ASN:ND2	1.97	0.63
2:2p:226:ILE:HD12	2:3r:223:ARG:N	2.14	0.63
2:2q:246:LYS:CD	2:3q:240:THR:C	2.71	0.63
2:2r:57:MET:HE3	2:3x:61:ALA:CB	2.29	0.63
2:4I:247:LYS:NZ	2:3x:239:THR:HG23	2.14	0.63
2:6q:118:ILE:CG1	2:6q:120:ILE:CG2	2.76	0.63
2:6s:76:ASN:ND2	2:6s:116:LYS:CD	2.59	0.63
2:7r:158[B]:ILE:HA	2:9L:154:ALA:CB	2.28	0.63
2:8y:200:LEU:HD11	2:9J:200:LEU:HD21	1.75	0.63
2:8y:234:LEU:HG	2:9J:242:LEU:HB2	1.81	0.63
2:8y:244:GLY:N	2:9J:242:LEU:HB3	2.13	0.63
2:1w:183:PHE:CD2	2:3w:183:PHE:HE2	2.16	0.63
2:2v:62:ALA:HA	2:2v:110:LEU:O	1.99	0.63
2:2v:242:LEU:HA	2:4m:245:VAL:O	1.99	0.63
2:6u:255:THR:HA	2:9Q:263:VAL:CG1	2.27	0.63
2:7w:258:ASP:C	2:9R:259:VAL:HG13	2.20	0.63
2:7w:258:ASP:N	2:9R:259:VAL:HG11	2.14	0.63
2:9M:148[B]:ILE:HD11	2:9J:148[B]:ILE:CD1	2.23	0.63
2:9P:145:ARG:HE	2:9P:159:ASN:ND2	1.97	0.63
1:2B:356:PRO:CG	1:2B:369:PHE:CE2	2.73	0.63
1:4F:445:GLY:N	2:4f:44:VAL:CG2	2.46	0.63
1:5L:446:ALA:O	2:5h:56:ASN:CB	2.43	0.63
1:6J:425:LYS:HG2	1:6J:425:LYS:O	1.98	0.63
1:2Q:356:PRO:HB2	1:2Q:369:PHE:CE2	2.34	0.63
1:3W:448:ALA:CB	2:3r:41:TYR:HD2	2.10	0.63
1:7S:107:GLU:OE1	1:7S:107:GLU:HA	1.99	0.63
1:4Y:270:MET:N	1:4Y:270:MET:SD	2.72	0.63
1:4a:137:GLN:O	1:4a:137:GLN:HG3	1.97	0.63
1:4c:228:GLN:OE1	1:4c:228:GLN:N	2.21	0.63
2:1f:145:ARG:HE	2:1f:159:ASN:ND2	1.97	0.63
2:1g:245:VAL:HG11	2:3g:245:VAL:HG21	1.80	0.63
2:1h:141:PRO:HD3	2:1u:131:THR:OG1	1.99	0.63
2:1h:145:ARG:HE	2:1h:159:ASN:ND2	1.97	0.63
2:2b:62:ALA:HA	2:2b:110:LEU:O	1.99	0.63
2:2b:145:ARG:HE	2:2b:159:ASN:ND2	1.97	0.63
2:2b:242:LEU:HA	2:4e:245:VAL:O	1.99	0.63
2:3e:246:LYS:HE2	2:4e:240:THR:C	2.22	0.63
2:5e:267:ASN:ND2	2:6g:254:SER:CA	2.52	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5f:234:LEU:CD2	2:6v:242:LEU:C	2.71	0.63
2:6f:242:LEU:C	2:5h:234:LEU:CD2	2.71	0.63
2:6f:280:SER:OG	2:5h:247:LYS:HE2	1.99	0.63
2:6g:127:ASP:OD1	2:7Z:121[B]:GLU:HA	1.99	0.63
2:8e:145:ARG:HE	2:8e:159:ASN:ND2	1.97	0.63
2:8e:148[B]:ILE:HD11	2:9F:148[B]:ILE:CD1	2.24	0.63
2:8f:145:ARG:HE	2:8f:159:ASN:ND2	1.97	0.63
2:1k:234:LEU:CD1	2:3k:234:LEU:CD1	2.77	0.63
2:1k:281:LEU:O	2:3k:250:ALA:CB	2.46	0.63
2:2f:242:LEU:CG	2:3j:236:ALA:HA	2.29	0.63
2:2i:266:LEU:HA	2:3o:266:LEU:HD21	1.79	0.63
2:3i:246:LYS:CB	2:4g:238:THR:O	2.46	0.63
2:5g:145:ARG:HE	2:5g:159:ASN:ND2	1.97	0.63
2:6i:141:PRO:HB3	2:8o:147:ILE:O	1.98	0.63
2:6j:238:THR:O	2:5j:246:LYS:C	2.42	0.63
2:6k:226:ILE:C	2:7e:219:LYS:HB3	2.24	0.63
2:7h:249:ALA:C	2:8p:280:SER:HB2	2.24	0.63
2:7i:62:ALA:HA	2:7i:110:LEU:O	1.99	0.63
2:8m:145:ARG:HE	2:8m:159:ASN:ND2	1.97	0.63
2:8n:118:ILE:CG1	2:8n:120:ILE:CG2	2.76	0.63
2:8n:239:THR:CG2	2:7n:247:LYS:CB	2.77	0.63
2:1n:145:ARG:HE	2:1n:159:ASN:ND2	1.97	0.63
2:2j:236:ALA:CA	2:1t:242:LEU:HD11	2.28	0.63
2:6n:228:ALA:HA	2:5l:223:ARG:HD2	1.79	0.63
2:8q:76:ASN:ND2	2:8q:116:LYS:CD	2.59	0.63
2:8q:201:VAL:N	2:9H:193:LYS:CE	2.62	0.63
2:8s:145:ARG:HE	2:8s:159:ASN:ND2	1.97	0.63
2:8t:126:LYS:HB2	2:7s:119:SER:HB3	1.81	0.63
2:8u:145:ARG:HE	2:8u:159:ASN:ND2	1.97	0.63
2:1s:263:VAL:CG1	2:3s:256:ALA:H	2.06	0.63
2:1s:273:LEU:HD13	2:3s:273:LEU:CD2	2.29	0.63
2:1s:277:GLY:HA3	2:3s:247:LYS:HE3	1.75	0.63
2:2o:62:ALA:HA	2:2o:110:LEU:O	1.99	0.63
2:2q:119:SER:HA	2:3q:124:ASP:O	1.99	0.63
2:2r:62:ALA:HA	2:2r:110:LEU:O	1.99	0.63
2:2s:148[A]:ILE:CD1	2:3w:148[A]:ILE:HD13	2.29	0.63
2:5k:145:ARG:HE	2:5k:159:ASN:ND2	1.97	0.63
2:6s:127:ASP:OD1	2:7o:121[B]:GLU:HA	1.99	0.63
2:6t:118:ILE:O	2:7r:124:ASP:HB3	1.99	0.63
2:6t:247:LYS:HE2	2:7r:280:SER:HA	1.80	0.63
2:7p:145:ARG:HE	2:7p:159:ASN:ND2	1.97	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:183:PHE:CG	2:9I:183:PHE:CZ	2.86	0.63
2:8x:145:ARG:HE	2:8x:159:ASN:ND2	1.97	0.63
2:8y:234:LEU:HG	2:9J:242:LEU:CB	2.29	0.63
2:9L:145:ARG:HE	2:9L:159:ASN:ND2	1.97	0.63
2:2t:62:ALA:HA	2:2t:110:LEU:O	1.99	0.63
2:2v:246:LYS:CD	2:3u:240:THR:C	2.71	0.63
2:3u:246:LYS:HD3	2:4m:240:THR:CA	2.28	0.63
2:3u:246:LYS:CB	2:4m:238:THR:O	2.46	0.63
2:4n:118:ILE:CG1	2:4n:120:ILE:CG2	2.76	0.63
2:6x:263:VAL:HG21	2:9R:256:ALA:CB	2.26	0.63
2:9J:62:ALA:HA	2:9J:110:LEU:O	1.99	0.63
2:9J:145:ARG:HE	2:9J:159:ASN:ND2	1.97	0.63
1:3D:63:THR:O	1:3D:63:THR:HG22	1.98	0.62
1:4A:270:MET:N	1:4A:270:MET:SD	2.72	0.62
1:2F:392:THR:CA	2:2h:46:ASP:OD2	2.47	0.62
1:4G:270:MET:SD	1:4G:270:MET:N	2.72	0.62
1:4M:270:MET:N	1:4M:270:MET:SD	2.72	0.62
1:8P:447:GLN:HG2	2:8u:44:VAL:CG2	2.29	0.62
1:5X:422:THR:O	1:5X:424:ASP:O	2.17	0.62
1:6W:446:ALA:HA	2:6r:43:ALA:HA	1.80	0.62
1:7P:447:GLN:C	2:7s:41:TYR:CE1	2.63	0.62
1:7R:447:GLN:O	2:7p:41:TYR:CD1	2.40	0.62
1:1b:447:GLN:CD	2:1x:60:LEU:HD11	2.24	0.62
1:2U:447:GLN:O	2:2w:41:TYR:CD1	2.52	0.62
1:6d:447:GLN:H	2:6u:56:ASN:HB2	1.58	0.62
1:7W:443:SER:O	2:7u:45:LYS:NZ	2.31	0.62
1:8b:202:GLU:HG2	1:8b:343:SER:CB	2.29	0.62
2:1f:223:ARG:HD2	2:3f:227:GLY:C	2.21	0.62
2:2Z:62:ALA:HA	2:2Z:110:LEU:O	1.99	0.62
2:2c:126:LYS:HG3	2:3l:119:SER:HB3	1.81	0.62
2:2c:176:SER:HB3	2:3l:167:LYS:HD3	1.81	0.62
2:2c:201:VAL:HA	2:3l:197:GLN:HE21	1.63	0.62
2:2d:62:ALA:HA	2:2d:110:LEU:O	1.99	0.62
2:5f:228:ALA:CB	2:6v:228:ALA:HB1	2.26	0.62
2:6g:118:ILE:CG1	2:6g:120:ILE:CG2	2.76	0.62
2:6h:99:VAL:CG2	2:6h:109:THR:O	2.41	0.62
2:7a:226:ILE:HG22	2:6v:222:LEU:CD1	2.29	0.62
2:7d:228:ALA:CB	2:9P:228:ALA:HB1	2.28	0.62
2:8e:177:ASP:CG	2:9F:186:ALA:CB	2.72	0.62
2:8j:145:ARG:HE	2:8j:159:ASN:ND2	1.97	0.62
2:9F:62:ALA:HA	2:9F:110:LEU:O	1.99	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:242:LEU:CB	2:9O:234:LEU:HG	2.29	0.62
2:1i:247:LYS:HG2	2:2e:239:THR:HG23	1.06	0.62
2:1l:145:ARG:HE	2:1l:159:ASN:ND2	1.97	0.62
2:2g:120:ILE:HD13	2:4g:120:ILE:HD11	0.74	0.62
2:2g:242:LEU:CD2	2:4g:244:GLY:O	2.41	0.62
2:2i:158[B]:ILE:HD13	2:3o:154:ALA:HB1	1.79	0.62
2:3i:232:TYR:CD2	2:4g:232:TYR:CD1	2.83	0.62
2:3k:118:ILE:CG1	2:3k:120:ILE:CG2	2.76	0.62
2:6j:145:ARG:HE	2:6j:159:ASN:ND2	1.97	0.62
2:7f:145:ARG:HE	2:7f:159:ASN:ND2	1.97	0.62
2:7h:62:ALA:HA	2:7h:110:LEU:O	1.99	0.62
2:8m:246:LYS:CB	2:9H:239:THR:C	2.47	0.62
2:8n:206:VAL:HG11	2:7n:210:LEU:HD23	1.80	0.62
2:8n:253:ALA:HA	2:8r:270:ILE:HD12	1.80	0.62
2:8o:145:ARG:HE	2:8o:159:ASN:ND2	1.97	0.62
2:2k:62:ALA:HA	2:2k:110:LEU:O	1.99	0.62
2:2m:62:ALA:HA	2:2m:110:LEU:O	1.99	0.62
2:4j:247:LYS:NZ	2:3t:239:THR:HG23	2.14	0.62
2:6p:234:LEU:CD2	2:7m:243:GLY:HA2	2.29	0.62
2:7m:269:LEU:CD2	2:8v:269:LEU:HG	2.23	0.62
2:7m:272:VAL:CG1	2:8v:279:ILE:HG21	2.29	0.62
2:8t:118:ILE:CG1	2:8t:120:ILE:CG2	2.76	0.62
2:8v:118:ILE:CG1	2:8v:120:ILE:CG2	2.76	0.62
2:8v:145:ARG:HE	2:8v:159:ASN:ND2	1.97	0.62
2:9H:62:ALA:HA	2:9H:110:LEU:O	1.99	0.62
2:9H:145:ARG:HE	2:9H:159:ASN:ND2	1.97	0.62
2:1q:131:THR:OG1	2:1x:141:PRO:HD3	1.99	0.62
2:2p:242:LEU:HA	2:3r:244:GLY:CA	2.21	0.62
2:2q:244:GLY:HA3	2:3q:242:LEU:C	2.23	0.62
2:2r:175:PHE:HZ	2:3x:175:PHE:HZ	1.46	0.62
2:2r:226:ILE:CG2	2:3x:222:LEU:CD2	2.50	0.62
2:3q:145:ARG:HE	2:3q:159:ASN:ND2	1.97	0.62
2:6r:280:SER:OG	2:5n:247:LYS:HE2	1.99	0.62
2:7q:145:ARG:HE	2:7q:159:ASN:ND2	1.97	0.62
2:7r:120:ILE:CD1	2:9L:120:ILE:HD13	2.29	0.62
2:1x:145:ARG:HE	2:1x:159:ASN:ND2	1.97	0.62
2:2v:145:ARG:HE	2:2v:159:ASN:ND2	1.97	0.62
2:5n:76:ASN:ND2	2:5n:116:LYS:HD2	2.11	0.62
2:6x:247:LYS:HE2	2:7w:280:SER:HA	1.80	0.62
2:9M:269:LEU:C	2:9J:269:LEU:HD21	2.22	0.62
1:3C:448:ALA:CB	2:3h:41:TYR:CD2	2.76	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6G:444:GLY:H	2:6l:45:LYS:NZ	1.98	0.62
1:7H:356:PRO:HD2	1:7H:369:PHE:CD2	2.34	0.62
1:5N:314:ASN:OD1	1:5N:314:ASN:C	2.42	0.62
1:5R:422:THR:O	1:5R:424:ASP:O	2.17	0.62
1:5R:448:ALA:CA	2:5j:41:TYR:HD1	2.03	0.62
1:7L:446:ALA:HB1	2:7l:19:LEU:HD12	1.81	0.62
1:7L:447:GLN:CG	2:7l:44:VAL:HG21	2.28	0.62
1:2Q:444:GLY:HA2	2:2q:56:ASN:HD21	1.64	0.62
1:4X:447:GLN:CG	2:4l:44:VAL:HG12	2.25	0.62
1:5T:314:ASN:OD1	1:5T:314:ASN:C	2.42	0.62
1:7T:443:SER:OG	2:7r:56:ASN:ND2	2.32	0.62
1:5b:425:LYS:O	1:5b:425:LYS:HG3	2.00	0.62
2:1g:97:TYR:C	2:1g:110:LEU:CB	2.71	0.62
2:1g:245:VAL:HG11	2:3g:245:VAL:HG23	1.70	0.62
2:2Z:223:ARG:CD	2:1l:227:GLY:O	2.44	0.62
2:2d:148[A]:ILE:CD1	2:3k:148[A]:ILE:HD13	2.29	0.62
2:3g:232:TYR:CG	2:2x:232:TYR:HD2	2.16	0.62
2:3h:209:LEU:HD21	2:2w:222:LEU:HD22	1.81	0.62
2:6e:257:THR:O	2:8i:259:VAL:HG21	1.94	0.62
2:6f:148[B]:ILE:HD11	2:7f:148[B]:ILE:HD12	1.79	0.62
2:7a:228:ALA:N	2:6v:223:ARG:HD3	2.13	0.62
2:7b:148[B]:ILE:CD1	2:6u:148[B]:ILE:HD12	2.29	0.62
2:8g:244:GLY:N	2:9G:242:LEU:HB3	2.13	0.62
2:9F:242:LEU:CG	2:9O:236:ALA:HA	2.29	0.62
2:1i:41:TYR:CE2	2:1i:57:MET:HE3	2.30	0.62
2:1l:118:ILE:CG1	2:1l:120:ILE:CG2	2.76	0.62
2:2g:145:ARG:HE	2:2g:159:ASN:ND2	1.97	0.62
2:2g:242:LEU:HA	2:4g:245:VAL:O	1.99	0.62
2:2h:57:MET:HE3	2:3p:61:ALA:CB	2.29	0.62
2:7f:62:ALA:HA	2:7f:110:LEU:O	1.99	0.62
2:7i:145:ARG:HE	2:7i:159:ASN:ND2	1.97	0.62
2:8k:145:ARG:HE	2:8k:159:ASN:ND2	1.97	0.62
2:8n:116:LYS:HA	2:8n:116:LYS:CE	2.22	0.62
2:8p:145:ARG:HE	2:8p:159:ASN:ND2	1.97	0.62
2:2n:273:LEU:HD23	2:3s:279:ILE:HG23	1.80	0.62
2:4j:145:ARG:HE	2:4j:159:ASN:ND2	1.97	0.62
2:7j:62:ALA:HA	2:7j:110:LEU:O	1.99	0.62
2:7k:145:ARG:HE	2:7k:159:ASN:ND2	1.97	0.62
2:8q:242:LEU:HD22	2:9H:236:ALA:CB	2.23	0.62
2:8s:111:VAL:HG22	2:9I:57:MET:CE	2.28	0.62
2:1t:76:ASN:ND2	2:1t:116:LYS:HD2	2.11	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:242:LEU:CG	2:3r:236:ALA:HA	2.29	0.62
2:2q:219:LYS:HE3	2:3q:224:THR:O	1.99	0.62
2:2q:246:LYS:HB3	2:3q:239:THR:HA	1.81	0.62
2:2r:278:ILE:HD13	2:4l:278:ILE:CG2	2.29	0.62
2:3q:246:LYS:CB	2:4k:238:THR:O	2.46	0.62
2:6q:145:ARG:HE	2:6q:159:ASN:ND2	1.97	0.62
2:7o:145:ARG:HE	2:7o:159:ASN:ND2	1.97	0.62
2:7r:254:SER:CA	2:9L:267:ASN:ND2	2.59	0.62
2:8w:125:ILE:HA	2:9I:120:ILE:O	1.99	0.62
2:8w:145:ARG:HE	2:8w:159:ASN:ND2	1.97	0.62
2:8w:274:LYS:NZ	2:9I:251:VAL:CG1	2.63	0.62
2:8z:145:ARG:HE	2:8z:159:ASN:ND2	1.97	0.62
2:8z:206:VAL:HG11	2:7x:210:LEU:HD23	1.80	0.62
2:1w:280:SER:HB2	2:3w:249:ALA:C	2.24	0.62
2:2u:232:TYR:CE1	2:3v:232:TYR:CD2	2.86	0.62
2:2v:244:GLY:HA3	2:3u:242:LEU:C	2.23	0.62
2:2x:62:ALA:HA	2:2x:110:LEU:O	1.99	0.62
2:3u:249:ALA:C	2:4m:280:SER:HB2	2.24	0.62
2:5m:111:VAL:HG22	2:7t:57:MET:SD	2.36	0.62
2:5n:145:ARG:HE	2:5n:159:ASN:ND2	1.97	0.62
2:7t:145:ARG:HE	2:7t:159:ASN:ND2	1.97	0.62
1:1B:245:GLU:OE1	1:1B:245:GLU:N	2.24	0.62
1:2E:357:ASN:C	1:2E:358:ILE:HG13	2.24	0.62
1:3C:423:GLU:OE1	1:3C:423:GLU:N	2.26	0.62
1:7A:392:THR:HA	2:7d:46:ASP:OD2	1.98	0.62
1:8D:202:GLU:HG2	1:8D:343:SER:CB	2.30	0.62
1:1J:445:GLY:N	2:1l:44:VAL:CG2	2.63	0.62
1:2G:356:PRO:HB2	1:2G:369:PHE:CE2	2.34	0.62
1:5H:314:ASN:OD1	1:5H:314:ASN:C	2.42	0.62
1:7J:397:THR:HA	2:7h:107:LEU:HB2	1.82	0.62
1:5R:245:GLU:OE1	1:5R:245:GLU:N	2.24	0.62
1:7O:447:GLN:O	2:7m:41:TYR:CD1	2.36	0.62
1:1S:447:GLN:O	2:1q:42:VAL:HG12	1.99	0.62
1:4S:270:MET:SD	1:4S:270:MET:N	2.72	0.62
1:6S:447:GLN:CG	2:6t:60:LEU:CD1	2.58	0.62
1:6U:252:ASP:OD1	1:6U:252:ASP:C	2.42	0.62
1:8V:448:ALA:HB2	2:9K:41:TYR:CB	2.30	0.62
2:1f:226:ILE:HG12	2:3f:226:ILE:CD1	2.29	0.62
2:1g:234:LEU:CD1	2:3g:234:LEU:CD1	2.77	0.62
2:1h:279:ILE:HG22	2:2t:273:LEU:HD23	1.82	0.62
2:2c:57:MET:HE3	2:3l:61:ALA:CB	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3e:118:ILE:CG1	2:3e:120:ILE:CG2	2.76	0.62
2:3g:245:VAL:HG13	2:2x:245:VAL:CG2	2.08	0.62
2:3h:61:ALA:CB	2:2w:57:MET:HE3	2.29	0.62
2:3h:119:SER:HB3	2:2w:126:LYS:HG3	1.81	0.62
2:3h:197:GLN:HG2	2:2w:201:VAL:HA	1.79	0.62
2:6f:222:LEU:CD1	2:7f:226:ILE:HG22	2.29	0.62
2:6f:247:LYS:C	2:7f:239:THR:HG22	2.16	0.62
2:6g:145:ARG:HE	2:6g:159:ASN:ND2	1.97	0.62
2:7Z:145:ARG:HE	2:7Z:159:ASN:ND2	1.97	0.62
2:7c:258:ASP:N	2:8j:259:VAL:HG11	2.14	0.62
2:8e:140:THR:HA	2:9O:131:THR:OG1	1.99	0.62
2:8e:252:THR:O	2:9O:270:ILE:CD1	2.47	0.62
2:8g:131:THR:OG1	2:8k:140:THR:HA	1.99	0.62
2:8g:236:ALA:HA	2:9G:242:LEU:CG	2.29	0.62
2:2h:28:ILE:HD11	2:3p:99:VAL:HG12	1.80	0.62
2:2i:145:ARG:HE	2:2i:159:ASN:ND2	1.97	0.62
2:4h:141:PRO:HD3	2:3p:131:THR:OG1	1.99	0.62
2:6j:120:ILE:O	2:7k:125:ILE:HA	1.97	0.62
2:6j:244:GLY:O	2:7k:242:LEU:CD2	2.44	0.62
2:6l:118:ILE:O	2:7h:124:ASP:HB3	1.99	0.62
2:2n:148[A]:ILE:CD1	2:3s:148[A]:ILE:HD13	2.29	0.62
2:2n:244:GLY:C	2:3s:243:GLY:O	2.42	0.62
2:3m:246:LYS:HE2	2:4i:240:THR:C	2.22	0.62
2:3o:76:ASN:ND2	2:3o:116:LYS:HD2	2.11	0.62
2:4j:234:LEU:HD21	2:3t:242:LEU:CD1	2.28	0.62
2:5j:145:ARG:HE	2:5j:159:ASN:ND2	1.97	0.62
2:6m:76:ASN:ND2	2:6m:116:LYS:HD2	2.11	0.62
2:6n:222:LEU:CD1	2:7p:226:ILE:HG22	2.29	0.62
2:7m:258:ASP:N	2:8v:259:VAL:HG11	2.14	0.62
2:8s:234:LEU:HG	2:9I:242:LEU:HB2	1.81	0.62
2:8t:206:VAL:HG11	2:7s:210:LEU:HD23	1.79	0.62
2:8t:239:THR:CG2	2:7s:247:LYS:CB	2.77	0.62
2:1r:145:ARG:HE	2:1r:159:ASN:ND2	1.97	0.62
2:2p:62:ALA:HA	2:2p:110:LEU:O	1.99	0.62
2:2q:242:LEU:HA	2:4k:245:VAL:O	1.99	0.62
2:5k:245:VAL:O	2:7o:242:LEU:HA	1.99	0.62
2:6r:242:LEU:HB3	2:5n:244:GLY:CA	2.19	0.62
2:7r:249:ALA:C	2:9L:280:SER:HB2	2.24	0.62
2:8y:183:PHE:CD1	2:9J:199:LEU:HB3	2.34	0.62
2:2u:206:VAL:HG11	2:3v:210:LEU:HA	1.81	0.62
2:2u:226:ILE:HD12	2:3v:222:LEU:O	2.00	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2w:62:ALA:HA	2:2w:110:LEU:O	1.99	0.62
2:2w:145:ARG:HE	2:2w:159:ASN:ND2	1.97	0.62
2:3x:145:ARG:HE	2:3x:159:ASN:ND2	1.97	0.62
2:6w:209:LEU:HD22	2:7t:209:LEU:HD21	1.82	0.62
2:9O:145:ARG:HE	2:9O:159:ASN:ND2	1.97	0.62
1:5F:419:ASP:CB	1:5F:425:LYS:HZ3	2.11	0.62
1:6D:425:LYS:O	1:6D:425:LYS:HG2	1.98	0.62
1:7C:446:ALA:HB3	2:7a:41:TYR:CE2	2.28	0.62
1:3L:443:SER:HA	2:3i:56:ASN:ND2	2.14	0.62
1:5K:30:ASP:OD1	1:5K:30:ASP:C	2.41	0.62
1:7I:392:THR:HB	2:7e:46:ASP:OD2	1.99	0.62
1:2T:357:ASN:C	1:2T:358:ILE:HG13	2.24	0.62
1:3X:448:ALA:O	2:3q:63:TRP:CE2	2.52	0.62
1:7T:26:ASN:OD1	2:5l:51:ASP:OD1	2.17	0.62
1:8X:314:ASN:OD1	1:8X:314:ASN:C	2.39	0.62
1:2Y:357:ASN:C	1:2Y:358:ILE:HG13	2.24	0.62
1:3c:448:ALA:HB3	2:3v:41:TYR:CD2	2.35	0.62
1:5d:422:THR:O	1:5d:424:ASP:O	2.17	0.62
1:5d:444:GLY:CA	2:5n:44:VAL:H	2.07	0.62
1:6Y:407:ASN:ND2	2:6x:44:VAL:O	2.32	0.62
2:1h:244:GLY:O	2:1u:242:LEU:HD22	1.99	0.62
2:2c:242:LEU:HD12	2:3l:235:PRO:CA	2.30	0.62
2:4f:145:ARG:HE	2:4f:159:ASN:ND2	1.97	0.62
2:7c:269:LEU:CD2	2:8j:269:LEU:HG	2.23	0.62
2:7d:245:VAL:CA	2:9P:242:LEU:HD23	2.29	0.62
2:8e:125:ILE:HA	2:9F:120:ILE:O	1.99	0.62
2:8g:110:LEU:HD13	2:8g:110:LEU:H	1.65	0.62
2:8g:222:LEU:HB3	2:9G:226:ILE:CB	2.18	0.62
2:1k:228:ALA:C	2:3k:231:PRO:HD3	2.25	0.62
2:1k:277:GLY:HA3	2:3k:247:LYS:HE3	1.75	0.62
2:2f:145:ARG:HE	2:2f:159:ASN:ND2	1.97	0.62
2:2h:62:ALA:HA	2:2h:110:LEU:O	1.99	0.62
2:2h:278:ILE:HD13	2:4h:278:ILE:CG2	2.30	0.62
2:2i:148[A]:ILE:CD1	2:3o:148[A]:ILE:HD13	2.29	0.62
2:2i:278:ILE:HG21	2:3o:278:ILE:CG2	2.29	0.62
2:5g:245:VAL:C	2:7e:242:LEU:HD21	2.16	0.62
2:6j:279:ILE:CG2	2:5j:273:LEU:HD21	2.30	0.62
2:8m:183:PHE:CD1	2:9H:199:LEU:HB3	2.34	0.62
2:8n:242:LEU:HD23	2:7n:245:VAL:CA	2.29	0.62
2:8o:226:ILE:HD11	2:7l:226:ILE:CD1	2.30	0.62
2:1n:247:LYS:CE	2:3n:280:SER:OG	2.32	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:277:GLY:HA2	2:3o:247:LYS:CE	2.24	0.62
2:2l:219:LYS:HE3	2:3m:224:THR:O	1.99	0.62
2:2m:28:ILE:HD11	2:3t:99:VAL:HG12	1.80	0.62
2:2m:176:SER:HB3	2:3t:167:LYS:HD3	1.81	0.62
2:2m:278:ILE:HD13	2:4j:278:ILE:CG2	2.30	0.62
2:2n:184:LEU:HA	2:3s:180:VAL:HG11	1.82	0.62
2:4j:226:ILE:HD13	2:3t:226:ILE:HG21	1.79	0.62
2:6n:228:ALA:CB	2:5l:228:ALA:HB1	2.22	0.62
2:7m:145:ARG:HE	2:7m:159:ASN:ND2	1.97	0.62
2:7m:249:ALA:C	2:8v:280:SER:HB2	2.24	0.62
2:1s:278:ILE:CG2	2:3s:278:ILE:HD12	2.23	0.62
2:1t:116:LYS:HA	2:1t:116:LYS:CE	2.22	0.62
2:2p:145:ARG:HE	2:2p:159:ASN:ND2	1.97	0.62
2:2r:145:ARG:HE	2:2r:159:ASN:ND2	1.97	0.62
2:3s:145:ARG:HE	2:3s:159:ASN:ND2	1.97	0.62
2:6q:124:ASP:O	2:7v:119:SER:HA	1.98	0.62
2:6q:255:THR:HA	2:9K:263:VAL:CG1	2.27	0.62
2:6s:226:ILE:C	2:7o:219:LYS:HB3	2.24	0.62
2:6s:239:THR:O	2:7o:246:LYS:CG	2.46	0.62
2:7o:62:ALA:HA	2:7o:110:LEU:O	1.99	0.62
2:7s:62:ALA:HA	2:7s:110:LEU:O	1.99	0.62
2:8y:145:ARG:HE	2:8y:159:ASN:ND2	1.97	0.62
2:8z:242:LEU:HD23	2:7x:245:VAL:CA	2.29	0.62
2:1w:273:LEU:HD13	2:3w:273:LEU:CD2	2.29	0.62
2:3w:145:ARG:HE	2:3w:159:ASN:ND2	1.97	0.62
2:5n:242:LEU:HA	2:7u:245:VAL:O	1.98	0.62
2:6u:76:ASN:ND2	2:6u:116:LYS:CD	2.59	0.62
2:6w:173:LEU:HD22	2:7t:160:GLY:HA2	1.82	0.62
2:6w:226:ILE:C	2:7t:219:LYS:HB3	2.24	0.62
1:1C:228:GLN:OE1	1:1C:228:GLN:N	2.22	0.62
1:4F:16:GLU:OE1	1:4F:16:GLU:N	2.25	0.62
1:5D:425:LYS:O	1:5D:425:LYS:HG3	2.00	0.62
1:2J:357:ASN:C	1:2J:358:ILE:HG13	2.24	0.62
1:3L:443:SER:HA	2:3i:56:ASN:HD21	1.63	0.62
1:7G:447:GLN:O	2:7g:41:TYR:CG	2.30	0.62
1:8J:202:GLU:HG2	1:8J:343:SER:CB	2.29	0.62
1:2O:357:ASN:C	1:2O:358:ILE:HG13	2.24	0.62
2:1g:183:PHE:CD2	2:3g:183:PHE:HE2	2.16	0.62
2:2a:200:LEU:CD1	2:3f:200:LEU:HD11	2.22	0.62
2:2c:28:ILE:HD11	2:3l:99:VAL:HG12	1.80	0.62
2:2c:62:ALA:HA	2:2c:110:LEU:O	1.99	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:222:LEU:HD22	2:3l:209:LEU:HD21	1.81	0.62
2:2d:193:LYS:CB	2:3k:200:LEU:O	2.44	0.62
2:2d:278:ILE:HG21	2:3k:278:ILE:CG2	2.30	0.62
2:3f:145:ARG:HE	2:3f:159:ASN:ND2	1.97	0.62
2:6e:76:ASN:ND2	2:6e:116:LYS:CD	2.59	0.62
2:6e:148[B]:ILE:HD12	2:7g:148[B]:ILE:CD1	2.29	0.62
2:6h:247:LYS:HE2	2:7c:280:SER:HA	1.80	0.62
2:7a:62:ALA:HA	2:7a:110:LEU:O	1.99	0.62
2:7a:206:VAL:CG1	2:6v:210:LEU:HD23	2.30	0.62
2:7c:73:VAL:HG12	2:8j:28:ILE:HG13	1.81	0.62
2:7c:148[B]:ILE:HD13	2:8j:148[B]:ILE:HD13	1.81	0.62
2:7c:272:VAL:CG1	2:8j:279:ILE:HG21	2.29	0.62
2:7d:57:MET:HE2	2:8f:111:VAL:HG13	1.82	0.62
2:7d:59:PRO:O	2:9P:59:PRO:HG2	2.00	0.62
2:8g:234:LEU:CD2	2:9G:242:LEU:CB	2.77	0.62
2:8g:277:GLY:C	2:8k:247:LYS:HE3	2.22	0.62
2:1i:99:VAL:CG2	2:1i:109:THR:O	2.40	0.62
2:1j:223:ARG:HD3	2:3j:227:GLY:O	1.93	0.62
2:2e:236:ALA:H	2:1p:242:LEU:HD11	1.61	0.62
2:2g:225:MET:SD	2:4g:209:LEU:CD1	2.87	0.62
2:3i:246:LYS:HD3	2:4g:240:THR:CA	2.28	0.62
2:3j:145:ARG:HE	2:3j:159:ASN:ND2	1.97	0.62
2:3l:145:ARG:HE	2:3l:159:ASN:ND2	1.97	0.62
2:6j:222:LEU:CD1	2:7k:226:ILE:HG22	2.29	0.62
2:7h:145:ARG:HE	2:7h:159:ASN:ND2	1.97	0.62
2:7h:258:ASP:N	2:8p:259:VAL:HG11	2.14	0.62
2:8k:76:ASN:ND2	2:8k:116:LYS:CD	2.59	0.62
2:1m:210:LEU:CD2	2:2j:206:VAL:CG1	2.64	0.62
2:1m:242:LEU:HD22	2:1t:244:GLY:O	1.99	0.62
2:2m:57:MET:HE3	2:3t:61:ALA:CB	2.29	0.62
2:2m:188:THR:OG1	2:4j:199:LEU:O	2.14	0.62
2:6o:209:LEU:HD22	2:7j:209:LEU:HD21	1.82	0.62
2:6p:110:LEU:HD13	2:6p:110:LEU:H	1.65	0.62
2:7m:148[B]:ILE:HD13	2:8v:148[B]:ILE:HD13	1.81	0.62
2:8q:274:LYS:NZ	2:9H:251:VAL:CG1	2.62	0.62
2:8s:99:VAL:CG2	2:8s:109:THR:O	2.41	0.62
2:1r:76:ASN:ND2	2:1r:116:LYS:CD	2.59	0.62
2:2q:232:TYR:CE2	2:3q:232:TYR:OH	2.50	0.62
2:4k:145:ARG:HE	2:4k:159:ASN:ND2	1.97	0.62
2:5l:238:THR:C	2:7p:247:LYS:CB	2.73	0.62
2:6r:223:ARG:HD3	2:7u:227:GLY:O	1.98	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:201:VAL:N	2:9I:193:LYS:CE	2.62	0.62
2:2t:145:ARG:HE	2:2t:159:ASN:ND2	1.97	0.62
2:2u:227:GLY:N	2:3v:223:ARG:HH11	1.93	0.62
2:2v:219:LYS:HE3	2:3u:224:THR:O	1.99	0.62
2:2v:246:LYS:HB3	2:3u:239:THR:HA	1.81	0.62
2:5m:145:ARG:HE	2:5m:159:ASN:ND2	1.97	0.62
2:6v:145:ARG:HE	2:6v:159:ASN:ND2	1.97	0.62
2:6w:127:ASP:OD1	2:7t:121[B]:GLU:HA	1.99	0.62
2:6x:234:LEU:CD2	2:7w:243:GLY:HA2	2.29	0.62
2:7u:145:ARG:HE	2:7u:159:ASN:ND2	1.97	0.62
2:9M:259:VAL:HG11	2:9J:259:VAL:HA	0.80	0.62
2:9M:280:SER:CB	2:9J:249:ALA:C	2.72	0.62
1:4B:437:ILE:HG22	1:4B:437:ILE:O	2.00	0.62
1:5F:422:THR:O	1:5F:424:ASP:O	2.17	0.62
1:8A:444:GLY:O	2:8e:54:GLN:HB2	2.00	0.62
1:8F:445:GLY:O	2:8g:44:VAL:HB	1.99	0.62
1:1H:245:GLU:OE1	1:1H:245:GLU:N	2.24	0.62
1:4I:245:GLU:OE1	1:4I:245:GLU:N	2.24	0.62
1:2L:356:PRO:HB2	1:2L:369:PHE:CE2	2.34	0.62
1:4X:447:GLN:HB2	2:4l:42:VAL:O	1.99	0.62
1:5T:203:PRO:HB3	1:5T:209:ALA:HB3	1.80	0.62
1:7T:447:GLN:O	2:7r:42:VAL:CG1	2.44	0.62
1:4Z:437:ILE:HG22	1:4Z:437:ILE:O	2.00	0.62
1:5c:30:ASP:OD1	1:5c:30:ASP:O	2.18	0.62
1:7U:314:ASN:OD1	1:7U:314:ASN:C	2.41	0.62
1:8Y:392:THR:CG2	2:9M:107:LEU:CG	2.77	0.62
2:1e:193:LYS:HD3	2:2Z:202:SER:HB3	1.82	0.62
2:1f:76:ASN:ND2	2:1f:116:LYS:HD2	2.11	0.62
2:1g:110:LEU:HD13	2:1g:110:LEU:H	1.65	0.62
2:1h:126:LYS:HB2	2:2t:119:SER:HB3	1.81	0.62
2:1h:245:VAL:HA	2:1u:242:LEU:CD2	2.29	0.62
2:2Z:61:ALA:HB1	2:1l:57:MET:HB3	1.82	0.62
2:2b:246:LYS:CD	2:3e:240:THR:C	2.71	0.62
2:3e:249:ALA:C	2:4e:280:SER:HB2	2.24	0.62
2:3h:167:LYS:HD3	2:2w:176:SER:HB3	1.81	0.62
2:6f:145:ARG:HE	2:6f:159:ASN:ND2	1.97	0.62
2:6f:238:THR:C	2:5h:247:LYS:CB	2.73	0.62
2:6g:125:ILE:HG12	2:7Z:120:ILE:CD1	2.25	0.62
2:7d:118:ILE:O	2:7d:118:ILE:HG23	2.00	0.62
2:8h:242:LEU:HD23	2:7i:245:VAL:CA	2.29	0.62
2:1k:145:ARG:HE	2:1k:159:ASN:ND2	1.97	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:237:ALA:CB	2:3k:247:LYS:H	2.07	0.62
2:1k:280:SER:HB2	2:3k:249:ALA:C	2.24	0.62
2:2e:273:LEU:HD23	2:1p:279:ILE:HG22	1.82	0.62
2:2g:62:ALA:HA	2:2g:110:LEU:O	1.99	0.62
2:2g:219:LYS:HE3	2:3i:224:THR:O	1.99	0.62
2:2h:126:LYS:HG3	2:3p:119:SER:HB3	1.81	0.62
2:2i:62:ALA:HA	2:2i:110:LEU:O	1.99	0.62
2:4h:76:ASN:ND2	2:4h:116:LYS:HD2	2.11	0.62
2:7h:140:THR:CA	2:8p:131:THR:OG1	2.48	0.62
2:8m:120:ILE:CD1	2:9H:120:ILE:CD1	2.61	0.62
2:1n:228:ALA:HB1	2:2k:228:ALA:HB1	1.79	0.62
2:2j:210:LEU:CD2	2:1t:206:VAL:CG1	2.76	0.62
2:2l:247:LYS:CB	2:3m:239:THR:HG23	2.21	0.62
2:2n:62:ALA:HA	2:2n:110:LEU:O	1.99	0.62
2:2n:232:TYR:HD2	2:3s:232:TYR:CG	2.16	0.62
2:4j:116:LYS:HA	2:4j:116:LYS:CE	2.22	0.62
2:6n:238:THR:C	2:5l:247:LYS:CB	2.73	0.62
2:6n:279:ILE:CG2	2:5l:273:LEU:HD21	2.30	0.62
2:6p:248:GLY:O	2:7m:280:SER:N	2.30	0.62
2:8t:59:PRO:HG2	2:7s:59:PRO:O	2.00	0.62
2:8t:242:LEU:HD23	2:7s:245:VAL:CA	2.29	0.62
2:1q:242:LEU:CD2	2:1x:245:VAL:HA	2.29	0.62
2:2s:62:ALA:HA	2:2s:110:LEU:O	1.99	0.62
2:2s:244:GLY:C	2:3w:243:GLY:O	2.42	0.62
2:3r:110:LEU:HD13	2:3r:110:LEU:H	1.65	0.62
2:5k:97:TYR:C	2:5k:110:LEU:CB	2.71	0.62
2:5k:226:ILE:CD1	2:7o:226:ILE:CD1	2.70	0.62
2:5l:242:LEU:HA	2:7p:245:VAL:O	1.99	0.62
2:6q:125:ILE:HG12	2:7v:120:ILE:CD1	2.27	0.62
2:6q:141:PRO:HB3	2:9K:147:ILE:O	1.98	0.62
2:6q:251:VAL:HG11	2:9K:279:ILE:HD13	1.77	0.62
2:6s:232:TYR:CD1	2:7o:232:TYR:HB3	2.34	0.62
2:7r:73:VAL:HG12	2:9L:28:ILE:HG13	1.81	0.62
2:7r:148[B]:ILE:HD13	2:9L:148[B]:ILE:HD13	1.81	0.62
2:8w:269:LEU:C	2:9I:269:LEU:HD21	2.22	0.62
2:8x:97:TYR:C	2:8x:110:LEU:CB	2.71	0.62
2:8y:99:VAL:CG2	2:8y:109:THR:O	2.41	0.62
2:8z:239:THR:CG2	2:7x:247:LYS:CB	2.77	0.62
2:9K:110:LEU:HD13	2:9K:110:LEU:H	1.65	0.62
2:1u:244:GLY:N	2:2t:242:LEU:CD1	2.42	0.62
2:1w:228:ALA:C	2:3w:231:PRO:HD3	2.25	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2w:114:ARG:HD2	2:4n:114:ARG:HB2	1.80	0.62
2:4m:145:ARG:HE	2:4m:159:ASN:ND2	1.97	0.62
2:6w:145:ARG:HE	2:6w:159:ASN:ND2	1.97	0.62
2:6x:145:ARG:HE	2:6x:159:ASN:ND2	1.97	0.62
2:9M:177:ASP:CG	2:9J:186:ALA:CB	2.72	0.62
2:9M:274:LYS:NZ	2:9J:251:VAL:CG1	2.62	0.62
1:6D:282:ILE:HD12	1:6D:282:ILE:C	2.25	0.62
1:6E:252:ASP:OD1	1:6E:252:ASP:C	2.43	0.62
1:8E:314:ASN:OD1	1:8E:314:ASN:C	2.43	0.62
1:9A:444:GLY:O	2:9F:53:THR:OG1	2.18	0.62
1:4H:437:ILE:O	1:4H:437:ILE:HG22	2.00	0.62
1:6J:423:GLU:OE1	1:6J:423:GLU:N	2.27	0.62
1:8J:200:ILE:O	1:8J:343:SER:HA	2.00	0.62
1:1P:443:SER:HA	2:1p:56:ASN:HD22	1.58	0.62
1:1P:448:ALA:C	2:1p:57:MET:SD	2.83	0.62
1:5O:402:LEU:HG	1:5O:402:LEU:O	2.00	0.62
1:5R:428:LEU:C	1:5R:428:LEU:HD12	2.25	0.62
1:5R:444:GLY:CA	2:5j:44:VAL:HG22	2.29	0.62
1:7N:107:GLU:HA	1:7N:107:GLU:OE1	1.99	0.62
1:8V:202:GLU:HG2	1:8V:343:SER:CB	2.30	0.62
1:8X:448:ALA:C	2:8y:60:LEU:HG	2.25	0.62
1:3Z:230:SER:OG	1:3Z:231:ARG:N	2.32	0.62
1:7W:356:PRO:HD2	1:7W:369:PHE:CD2	2.35	0.62
2:1g:145:ARG:HE	2:1g:159:ASN:ND2	1.97	0.62
2:1h:200:LEU:CD1	2:2t:200:LEU:HD11	2.28	0.62
2:1h:238:THR:O	2:2t:247:LYS:N	2.32	0.62
2:2b:210:LEU:CA	2:3e:206:VAL:HG11	2.12	0.62
2:2c:242:LEU:CD1	2:3l:243:GLY:CA	2.77	0.62
2:3e:246:LYS:CB	2:4e:238:THR:O	2.46	0.62
2:3e:273:LEU:HD23	2:4e:279:ILE:CG2	2.28	0.62
2:6g:232:TYR:CD1	2:7Z:232:TYR:HB3	2.34	0.62
2:7c:258:ASP:HA	2:8j:259:VAL:HG11	1.78	0.62
2:7d:145:ARG:HE	2:7d:159:ASN:ND2	1.97	0.62
2:8g:230:VAL:HG12	2:9G:227:GLY:O	2.00	0.62
2:8h:126:LYS:HB2	2:7i:119:SER:HB3	1.81	0.62
2:9F:242:LEU:CB	2:9O:234:LEU:CD2	2.77	0.62
2:1k:110:LEU:HD13	2:1k:110:LEU:H	1.65	0.62
2:2e:196:LEU:HB3	2:1p:200:LEU:HD23	1.79	0.62
2:2g:246:LYS:HB3	2:3i:239:THR:HA	1.81	0.62
2:2h:222:LEU:HD22	2:3p:209:LEU:HD21	1.81	0.62
2:2i:118:ILE:HG23	2:2i:118:ILE:O	2.00	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:73:VAL:HG13	2:3p:28:ILE:HB	1.81	0.62
2:7e:145:ARG:HE	2:7e:159:ASN:ND2	1.97	0.62
2:7h:254:SER:N	2:8p:267:ASN:CG	2.45	0.62
2:8k:201:VAL:N	2:9G:193:LYS:CE	2.62	0.62
2:8m:222:LEU:CG	2:9H:226:ILE:CG2	2.68	0.62
2:8n:76:ASN:ND2	2:8n:116:LYS:CD	2.59	0.62
2:2k:226:ILE:HD12	2:3n:223:ARG:N	2.14	0.62
2:2l:225:MET:SD	2:4i:209:LEU:CD1	2.88	0.62
2:2l:246:LYS:HB3	2:3m:239:THR:HA	1.81	0.62
2:2n:145:ARG:HE	2:2n:159:ASN:ND2	1.97	0.62
2:2n:278:ILE:HG21	2:3s:278:ILE:CG2	2.30	0.62
2:5j:238:THR:C	2:7k:247:LYS:H	2.06	0.62
2:6m:124:ASP:O	2:7q:119:SER:HA	1.99	0.62
2:7m:62:ALA:HA	2:7m:110:LEU:O	1.99	0.62
2:8q:125:ILE:HA	2:9H:120:ILE:O	1.99	0.62
2:8t:145:ARG:HE	2:8t:159:ASN:ND2	1.97	0.62
2:1s:237:ALA:HB3	2:3s:247:LYS:N	2.13	0.62
2:1s:266:LEU:CG	2:3s:266:LEU:N	2.60	0.62
2:2q:118:ILE:HG23	2:2q:118:ILE:O	2.00	0.62
2:2s:278:ILE:HG21	2:3w:278:ILE:CG2	2.30	0.62
2:6q:257:THR:O	2:9K:259:VAL:HG21	1.94	0.62
2:6r:210:LEU:HD23	2:7u:206:VAL:CG1	2.29	0.62
2:6r:222:LEU:CD1	2:7u:226:ILE:HG22	2.29	0.62
2:6r:223:ARG:NH1	2:7u:227:GLY:HA3	2.14	0.62
2:6r:238:THR:C	2:5n:247:LYS:CB	2.73	0.62
2:7q:118:ILE:O	2:7q:118:ILE:HG23	2.00	0.62
2:7r:118:ILE:HG23	2:7r:118:ILE:O	2.00	0.62
2:7r:245:VAL:HG21	2:9L:245:VAL:HG11	1.81	0.62
2:8z:116:LYS:HA	2:8z:116:LYS:CE	2.22	0.62
2:9I:145:ARG:HE	2:9I:159:ASN:ND2	1.97	0.62
2:1u:145:ARG:HE	2:1u:159:ASN:ND2	1.97	0.62
2:6u:251:VAL:HG12	2:9Q:279:ILE:CD1	2.21	0.62
2:7x:62:ALA:HA	2:7x:110:LEU:O	1.99	0.62
2:9M:76:ASN:ND2	2:9M:116:LYS:HD2	2.11	0.62
2:9M:125:ILE:HA	2:9J:120:ILE:O	1.99	0.62
2:9M:174:LEU:CD2	2:9J:170:LEU:HD13	2.25	0.62
1:4C:404:VAL:O	1:4C:404:VAL:HG12	1.98	0.62
1:5C:28:GLN:OE1	1:5C:28:GLN:N	2.26	0.62
1:7C:356:PRO:HD2	1:7C:369:PHE:CD2	2.35	0.62
1:5L:422:THR:O	1:5L:424:ASP:O	2.17	0.62
1:7G:444:GLY:N	2:7g:45:LYS:HZ2	1.95	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6R:444:GLY:HA3	2:6m:45:LYS:HD2	1.80	0.62
1:3V:63:THR:HG22	1:3V:63:THR:O	1.98	0.62
1:4a:404:VAL:O	1:4a:404:VAL:HG12	1.98	0.62
1:5c:199:LYS:CD	1:5c:201:ASP:HB3	2.30	0.62
1:5d:444:GLY:HA2	2:5n:44:VAL:CG2	2.15	0.62
2:1g:141:PRO:HB2	2:2x:150:GLU:CD	2.24	0.62
2:1g:228:ALA:C	2:3g:231:PRO:HD3	2.25	0.62
2:1h:57:MET:HB3	2:2t:61:ALA:HB1	1.82	0.62
2:1h:242:LEU:HD11	2:2t:236:ALA:H	1.61	0.62
2:2Z:145:ARG:HE	2:2Z:159:ASN:ND2	1.97	0.62
2:2a:62:ALA:HA	2:2a:110:LEU:O	1.99	0.62
2:2a:145:ARG:HE	2:2a:159:ASN:ND2	1.97	0.62
2:2a:226:ILE:HD12	2:3f:223:ARG:N	2.14	0.62
2:2b:246:LYS:HB3	2:3e:239:THR:HA	1.81	0.62
2:2d:158[B]:ILE:HD13	2:3k:154:ALA:HB1	1.79	0.62
2:3h:234:LEU:CD2	2:2w:242:LEU:N	2.60	0.62
2:5f:247:LYS:CB	2:6v:238:THR:C	2.73	0.62
2:5f:273:LEU:HD21	2:6v:279:ILE:CG2	2.30	0.62
2:6e:124:ASP:O	2:7g:119:SER:HA	1.99	0.62
2:6f:234:LEU:HD23	2:7f:242:LEU:O	1.99	0.62
2:6g:226:ILE:CB	2:7Z:222:LEU:CB	2.72	0.62
2:7c:120:ILE:CD1	2:8j:120:ILE:HD13	2.29	0.62
2:7c:145:ARG:HE	2:7c:159:ASN:ND2	1.97	0.62
2:7c:269:LEU:HD23	2:8j:269:LEU:HD23	1.81	0.62
2:8g:263:VAL:CG2	2:8k:256:ALA:C	2.56	0.62
2:9F:199:LEU:HB3	2:9O:183:PHE:CD1	2.34	0.62
2:2h:114:ARG:HD2	2:4h:114:ARG:HB2	1.80	0.62
2:2h:145:ARG:HE	2:2h:159:ASN:ND2	1.97	0.62
2:2h:206:VAL:HG21	2:3p:209:LEU:HG	1.69	0.62
2:2h:242:LEU:HB3	2:3p:234:LEU:HD11	1.82	0.62
2:2i:57:MET:HE2	2:1o:111:VAL:HG22	1.82	0.62
2:2i:150:GLU:CD	2:1o:141:PRO:HB2	2.24	0.62
2:3i:145:ARG:HE	2:3i:159:ASN:ND2	1.97	0.62
2:6i:145:ARG:HE	2:6i:159:ASN:ND2	1.97	0.62
2:6j:238:THR:C	2:5j:247:LYS:CB	2.73	0.62
2:6k:127:ASP:OD1	2:7e:121[B]:GLU:HA	1.99	0.62
2:7h:272:VAL:CG1	2:8p:279:ILE:HG21	2.29	0.62
2:8k:232:TYR:CD1	2:9G:232:TYR:CB	2.75	0.62
2:8n:145:ARG:HE	2:8n:159:ASN:ND2	1.97	0.62
2:1m:111:VAL:CG2	2:2j:57:MET:HE2	2.24	0.62
2:1m:222:LEU:CB	2:2j:226:ILE:CB	2.78	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:110:LEU:HD13	2:1o:110:LEU:H	1.65	0.62
2:1o:228:ALA:C	2:3o:231:PRO:HD3	2.24	0.62
2:1o:278:ILE:CG2	2:3o:278:ILE:HD12	2.24	0.62
2:2j:222:LEU:HB3	2:1t:226:ILE:HG21	1.81	0.62
2:2l:145:ARG:HE	2:2l:159:ASN:ND2	1.97	0.62
2:2l:228:ALA:CA	2:4i:229:GLY:O	2.48	0.62
2:2l:246:LYS:CD	2:3m:240:THR:C	2.71	0.62
2:3m:145:ARG:HE	2:3m:159:ASN:ND2	1.97	0.62
2:6n:99:VAL:CG2	2:6n:109:THR:O	2.41	0.62
2:6n:145:ARG:HE	2:6n:159:ASN:ND2	1.97	0.62
2:6n:280:SER:OG	2:5l:247:LYS:HE2	1.99	0.62
2:6o:173:LEU:HD22	2:7j:160:GLY:HA2	1.82	0.62
2:6o:225:MET:SD	2:7j:209:LEU:CD1	2.72	0.62
2:6o:239:THR:O	2:7j:246:LYS:CG	2.46	0.62
2:6p:269:LEU:HD22	2:7m:270:ILE:HG12	1.82	0.62
2:7j:145:ARG:HE	2:7j:159:ASN:ND2	1.97	0.62
2:7m:140:THR:CA	2:8v:131:THR:OG1	2.48	0.62
2:8u:74:GLY:C	2:7q:23:GLN:NE2	2.58	0.62
2:1q:145:ARG:HE	2:1q:159:ASN:ND2	1.97	0.62
2:2q:145:ARG:HE	2:2q:159:ASN:ND2	1.97	0.62
2:2r:242:LEU:CD1	2:3x:243:GLY:CA	2.77	0.62
2:2s:145:ARG:HE	2:2s:159:ASN:ND2	1.97	0.62
2:3r:145:ARG:HE	2:3r:159:ASN:ND2	1.97	0.62
2:6r:234:LEU:HD23	2:7u:242:LEU:O	1.99	0.62
2:6s:173:LEU:HD22	2:7o:160:GLY:HA2	1.81	0.62
2:7p:118:ILE:O	2:7p:118:ILE:HG23	2.00	0.62
2:8w:199:LEU:HD13	2:9I:186:ALA:HA	1.77	0.62
2:8y:131:THR:OG1	2:9M:140:THR:HA	1.99	0.62
2:9I:62:ALA:HA	2:9I:110:LEU:O	1.99	0.62
2:9I:118:ILE:HG23	2:9I:118:ILE:O	2.00	0.62
2:2w:118:ILE:O	2:2w:118:ILE:HG23	2.00	0.62
2:3u:76:ASN:ND2	2:3u:116:LYS:CD	2.59	0.62
2:3v:97:TYR:C	2:3v:110:LEU:CB	2.71	0.62
2:3x:99:VAL:CG2	2:3x:109:THR:O	2.41	0.62
2:4n:145:ARG:HE	2:4n:159:ASN:ND2	1.97	0.62
2:5n:238:THR:C	2:7u:247:LYS:CB	2.73	0.62
2:6u:254:SER:O	2:9Q:263:VAL:HG13	1.87	0.62
2:6u:256:ALA:C	2:9Q:259:VAL:CG1	2.70	0.62
2:6x:110:LEU:HD13	2:6x:110:LEU:H	1.64	0.62
2:7t:62:ALA:HA	2:7t:110:LEU:O	1.99	0.62
2:7u:118:ILE:HG23	2:7u:118:ILE:O	2.00	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9M:232:TYR:CD1	2:9J:232:TYR:CB	2.76	0.62
2:9R:145:ARG:HE	2:9R:159:ASN:ND2	1.97	0.62
1:3B:230:SER:OG	1:3B:231:ARG:N	2.32	0.62
1:3C:203:PRO:O	1:3C:205:SER:N	2.31	0.62
1:5F:245:GLU:OE1	1:5F:245:GLU:N	2.24	0.62
1:6A:447:GLN:CB	2:6h:56:ASN:HB2	2.30	0.62
1:3I:423:GLU:OE1	1:3I:423:GLU:N	2.26	0.62
1:5L:446:ALA:HB1	2:5h:56:ASN:HD22	1.62	0.62
1:6G:202:GLU:O	1:6G:209:ALA:HB1	2.00	0.62
1:7G:444:GLY:CA	2:7g:45:LYS:HZ2	2.12	0.62
1:7H:355:SER:CB	1:7H:370:THR:H	2.11	0.62
1:5Q:199:LYS:CD	1:5Q:201:ASP:HB3	2.30	0.62
1:6O:252:ASP:OD1	1:6O:252:ASP:C	2.42	0.62
1:5W:30:ASP:OD1	1:5W:30:ASP:O	2.18	0.62
1:5X:428:LEU:HD12	1:5X:428:LEU:C	2.25	0.62
1:1c:207:THR:OG1	1:1d:355:SER:OG	1.72	0.62
2:1g:148[A]:ILE:CG2	2:3g:145:ARG:HG2	2.30	0.62
2:1h:76:ASN:ND2	2:1h:116:LYS:HD2	2.11	0.62
2:1h:227:GLY:O	2:2t:223:ARG:CD	2.44	0.62
2:2a:226:ILE:HG13	2:3f:223:ARG:CG	2.28	0.62
2:2c:145:ARG:HE	2:2c:159:ASN:ND2	1.97	0.62
2:2d:184:LEU:HA	2:3k:180:VAL:HG11	1.82	0.62
2:3e:273:LEU:HD21	2:4e:279:ILE:HG21	1.81	0.62
2:3h:236:ALA:C	2:2w:242:LEU:HD11	2.25	0.62
2:5f:238:THR:C	2:7a:247:LYS:H	2.06	0.62
2:6e:116:LYS:HA	2:6e:116:LYS:CE	2.22	0.62
2:6f:279:ILE:CG2	2:5h:273:LEU:HD21	2.30	0.62
2:7d:119:SER:HB3	2:9P:126:LYS:HB2	1.81	0.62
2:8g:183:PHE:CD1	2:9G:199:LEU:HB3	2.34	0.62
2:8h:145:ARG:HE	2:8h:159:ASN:ND2	1.97	0.62
2:9F:242:LEU:HB2	2:9O:234:LEU:HG	1.81	0.62
2:1k:263:VAL:CG2	2:3k:256:ALA:HB1	2.00	0.62
2:2i:57:MET:HE3	2:1o:61:ALA:CB	2.26	0.62
2:6j:228:ALA:HB1	2:5j:228:ALA:CB	2.25	0.62
2:6k:173:LEU:HD22	2:7e:160:GLY:HA2	1.82	0.62
2:8k:177:ASP:CG	2:9G:186:ALA:CB	2.72	0.62
2:8k:281:LEU:HA	2:9G:250:ALA:HA	1.82	0.62
2:9G:118:ILE:HG23	2:9G:118:ILE:O	2.00	0.62
2:1n:76:ASN:ND2	2:1n:116:LYS:CD	2.59	0.62
2:2m:114:ARG:HD2	2:4j:114:ARG:HB2	1.80	0.62
2:2n:57:MET:HE2	2:1s:111:VAL:HG22	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3n:110:LEU:HD13	2:3n:110:LEU:H	1.65	0.62
2:6m:251:VAL:HG12	2:8u:279:ILE:CD1	2.21	0.62
2:6n:244:GLY:O	2:7p:242:LEU:CD2	2.44	0.62
2:7k:62:ALA:HA	2:7k:110:LEU:O	1.99	0.62
2:7n:62:ALA:HA	2:7n:110:LEU:O	1.99	0.62
2:8q:177:ASP:CG	2:9H:186:ALA:CB	2.73	0.62
2:8s:131:THR:OG1	2:8w:140:THR:HA	1.99	0.62
2:8s:270:ILE:CD1	2:8w:252:THR:O	2.47	0.62
2:8t:242:LEU:HD23	2:7s:245:VAL:C	2.25	0.62
2:1r:239:THR:HG22	2:2p:247:LYS:C	2.25	0.62
2:1s:148[A]:ILE:CG2	2:3s:145:ARG:HG2	2.30	0.62
2:1s:234:LEU:CD1	2:3s:234:LEU:CD1	2.77	0.62
2:2p:199:LEU:HD13	2:3r:183:PHE:CE1	2.34	0.62
2:2q:247:LYS:CB	2:3q:239:THR:HG23	2.20	0.62
2:2s:278:ILE:HD13	2:3w:278:ILE:HG23	1.79	0.62
2:3q:76:ASN:ND2	2:3q:116:LYS:HD2	2.11	0.62
2:6r:110:LEU:HD13	2:6r:110:LEU:H	1.65	0.62
2:6s:91:PRO:HB3	2:6s:117:GLU:O	2.00	0.62
2:6s:127:ASP:OD1	2:7o:121[A]:GLU:HA	2.00	0.62
2:6s:145:ARG:HE	2:6s:159:ASN:ND2	1.97	0.62
2:7r:145:ARG:HE	2:7r:159:ASN:ND2	1.97	0.62
2:8w:177:ASP:CG	2:9I:186:ALA:CB	2.72	0.62
2:8y:3:VAL:HG11	2:9M:62:ALA:HB3	1.82	0.62
2:8y:236:ALA:HA	2:9J:242:LEU:CG	2.29	0.62
2:8y:277:GLY:C	2:9M:247:LYS:HE3	2.22	0.62
2:9K:74:GLY:C	2:7v:23:GLN:NE2	2.58	0.62
2:1w:266:LEU:HD11	2:3w:265:ASP:O	2.00	0.62
2:2w:278:ILE:HD13	2:4n:278:ILE:CG2	2.29	0.62
2:6x:248:GLY:O	2:7w:280:SER:N	2.30	0.62
2:7u:62:ALA:HA	2:7u:110:LEU:O	1.99	0.62
2:7x:118:ILE:O	2:7x:118:ILE:HG23	2.00	0.62
2:9O:99:VAL:CG2	2:9O:109:THR:O	2.41	0.62
1:1G:252:ASP:OD1	1:1G:252:ASP:C	2.43	0.62
1:2G:356:PRO:HG2	1:2G:369:PHE:CG	2.27	0.62
1:4L:443:SER:HA	2:4h:56:ASN:HD22	1.63	0.62
1:6J:287:SER:OG	1:6J:288:THR:N	2.33	0.62
1:1P:425:LYS:HG3	1:1P:425:LYS:O	1.97	0.62
1:5O:245:GLU:OE1	1:5O:245:GLU:N	2.19	0.62
1:8P:202:GLU:HG2	1:8P:343:SER:CB	2.30	0.62
1:8R:445:GLY:HA2	2:8s:45:LYS:HB2	1.82	0.62
1:7R:355:SER:HB2	1:7R:370:THR:N	2.12	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8W:445:GLY:O	2:8z:44:VAL:HG22	2.00	0.62
1:5c:228:GLN:OE1	1:5c:228:GLN:N	2.23	0.62
1:6Y:228:GLN:OE1	1:6Y:228:GLN:N	2.24	0.62
2:1f:91:PRO:HB3	2:1f:117:GLU:O	2.00	0.62
2:2a:118:ILE:O	2:2a:118:ILE:HG23	2.00	0.62
2:2b:214:PRO:HG2	2:3e:225:MET:O	2.00	0.62
2:2b:225:MET:SD	2:4e:209:LEU:CD1	2.88	0.62
2:2c:114:ARG:HD2	2:4f:114:ARG:HB2	1.80	0.62
2:2c:174:LEU:CD2	2:3l:174:LEU:HD11	2.21	0.62
2:2c:202:SER:N	2:3l:197:GLN:HE21	1.98	0.62
2:2c:242:LEU:HD11	2:3l:236:ALA:C	2.25	0.62
2:3g:180:VAL:HG11	2:2x:184:LEU:HA	1.82	0.62
2:3h:239:THR:HG23	2:4n:247:LYS:HZ3	1.65	0.62
2:6e:91:PRO:HB3	2:6e:117:GLU:O	2.00	0.62
2:6f:238:THR:O	2:5h:246:LYS:C	2.42	0.62
2:6g:226:ILE:C	2:7Z:219:LYS:HB3	2.24	0.62
2:7b:120:ILE:CD1	2:6u:125:ILE:HG12	2.27	0.62
2:7b:145:ARG:HE	2:7b:159:ASN:ND2	1.97	0.62
2:7c:62:ALA:HA	2:7c:110:LEU:O	1.99	0.62
2:1i:97:TYR:C	2:1i:110:LEU:CB	2.71	0.62
2:1i:193:LYS:HD3	2:2e:202:SER:HB3	1.82	0.62
2:2g:232:TYR:CE2	2:3i:232:TYR:OH	2.50	0.62
2:2g:236:ALA:HA	2:3i:242:LEU:CG	2.28	0.62
2:4h:76:ASN:ND2	2:4h:116:LYS:CD	2.59	0.62
2:5h:238:THR:C	2:7f:247:LYS:H	2.06	0.62
2:6j:210:LEU:HD23	2:7k:206:VAL:CG1	2.29	0.62
2:6k:76:ASN:ND2	2:6k:116:LYS:CD	2.59	0.62
2:6k:226:ILE:CG2	2:7e:222:LEU:HB3	2.25	0.62
2:6l:110:LEU:HD13	2:6l:110:LEU:H	1.65	0.62
2:6l:247:LYS:HE2	2:7h:280:SER:HA	1.80	0.62
2:7e:62:ALA:HA	2:7e:110:LEU:O	1.99	0.62
2:7h:248:GLY:O	2:8p:279:ILE:C	2.43	0.62
2:8k:125:ILE:HA	2:9G:120:ILE:O	1.99	0.62
2:8l:145:ARG:HE	2:8l:159:ASN:ND2	1.97	0.62
2:8m:244:GLY:N	2:9H:242:LEU:HB3	2.13	0.62
2:1m:193:LYS:HD3	2:2j:202:SER:HB3	1.82	0.62
2:1o:237:ALA:CB	2:3o:247:LYS:H	2.07	0.62
2:1o:278:ILE:HG23	2:3o:278:ILE:HD13	0.64	0.62
2:2j:118:ILE:O	2:2j:118:ILE:HG23	2.00	0.62
2:2k:118:ILE:O	2:2k:118:ILE:HG23	2.00	0.62
2:2k:242:LEU:CG	2:3n:236:ALA:HA	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:214:PRO:HG2	2:3m:225:MET:O	2.00	0.62
2:2m:118:ILE:O	2:2m:118:ILE:HG23	2.00	0.62
2:2m:242:LEU:HB3	2:3t:234:LEU:HD11	1.82	0.62
2:2n:118:ILE:O	2:2n:118:ILE:HG23	2.00	0.62
2:3m:273:LEU:HD21	2:4i:279:ILE:HG21	1.81	0.62
2:4i:110:LEU:HD13	2:4i:110:LEU:H	1.65	0.62
2:6m:256:ALA:C	2:8u:259:VAL:CG1	2.70	0.62
2:6p:247:LYS:HE2	2:7m:280:SER:HA	1.80	0.62
2:7j:118:ILE:HG23	2:7j:118:ILE:O	2.00	0.62
2:8s:3:VAL:HG11	2:8w:62:ALA:HB3	1.82	0.62
2:1q:242:LEU:CD2	2:1x:245:VAL:N	2.59	0.62
2:2p:226:ILE:HD12	2:3r:222:LEU:O	2.00	0.62
2:2s:245:VAL:CG2	2:3w:245:VAL:HG13	2.08	0.62
2:4k:97:TYR:C	2:4k:110:LEU:CB	2.71	0.62
2:8w:280:SER:CB	2:9I:249:ALA:C	2.72	0.62
2:8y:270:ILE:CD1	2:9M:252:THR:O	2.47	0.62
2:8z:59:PRO:HG2	2:7x:59:PRO:O	2.00	0.62
2:1v:91:PRO:HB3	2:1v:117:GLU:O	2.00	0.62
2:1v:145:ARG:HE	2:1v:159:ASN:ND2	1.97	0.62
2:2u:174:LEU:HD22	2:3v:174:LEU:HD11	1.82	0.62
2:2v:236:ALA:HA	2:3u:242:LEU:CG	2.28	0.62
2:4n:76:ASN:ND2	2:4n:116:LYS:HD2	2.11	0.62
2:5m:245:VAL:O	2:7t:242:LEU:HA	1.99	0.62
2:6x:118:ILE:O	2:7w:124:ASP:HB3	1.99	0.62
2:7w:140:THR:CA	2:9R:131:THR:OG1	2.48	0.62
2:7w:272:VAL:CG1	2:9R:279:ILE:HG21	2.29	0.62
2:9M:201:VAL:O	2:9J:193:LYS:CE	2.48	0.62
2:9O:110:LEU:HD13	2:9O:110:LEU:H	1.65	0.62
1:4F:443:SER:HA	2:4f:56:ASN:HD22	1.62	0.61
1:5F:428:LEU:C	1:5F:428:LEU:HD12	2.25	0.61
1:6A:202:GLU:O	1:6A:209:ALA:HB1	2.00	0.61
1:6E:228:GLN:OE1	1:6E:228:GLN:N	2.25	0.61
1:3I:203:PRO:O	1:3I:205:SER:N	2.31	0.61
1:6L:447:GLN:CA	2:6i:56:ASN:CB	2.11	0.61
1:3P:445:GLY:C	2:3o:44:VAL:HG22	2.24	0.61
1:6N:314:ASN:OD1	1:6N:314:ASN:C	2.43	0.61
1:6Q:448:ALA:HB3	2:6n:57:MET:HE1	1.82	0.61
1:7K:447:GLN:O	2:7n:41:TYR:CE1	2.47	0.61
1:4T:387:VAL:O	1:4T:387:VAL:CG2	2.43	0.61
1:4U:88:LYS:O	1:4U:88:LYS:HG3	2.00	0.61
1:5W:199:LYS:CD	1:5W:201:ASP:HB3	2.30	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8V:448:ALA:HB2	2:9K:41:TYR:CG	2.35	0.61
1:9D:406:GLY:HA3	2:9I:45:LYS:HE3	1.81	0.61
1:4d:446:ALA:HB1	2:4n:56:ASN:CB	2.12	0.61
1:5Z:314:ASN:OD1	1:5Z:314:ASN:C	2.42	0.61
1:6c:445:GLY:HA3	2:6v:45:LYS:H	1.64	0.61
1:7X:107:GLU:HA	1:7X:107:GLU:OE1	1.99	0.61
1:8Z:447:GLN:HA	2:9N:56:ASN:H	1.65	0.61
1:8b:444:GLY:C	2:9Q:45:LYS:CD	2.60	0.61
2:1g:61:ALA:HB3	2:2x:57:MET:HB3	1.82	0.61
2:1h:76:ASN:ND2	2:1h:116:LYS:CD	2.59	0.61
2:2Z:118:ILE:HG23	2:2Z:118:ILE:O	2.00	0.61
2:2Z:119:SER:HB3	2:1l:126:LYS:HB2	1.81	0.61
2:2Z:222:LEU:HB3	2:1l:226:ILE:HG21	1.81	0.61
2:3g:259:VAL:CG2	2:2x:259:VAL:HG23	2.04	0.61
2:3h:238:THR:O	2:4n:247:LYS:CD	2.42	0.61
2:3h:239:THR:HG23	2:4n:247:LYS:NZ	2.14	0.61
2:4f:91:PRO:HB3	2:4f:117:GLU:O	2.00	0.61
2:5e:145:ARG:HE	2:5e:159:ASN:ND2	1.97	0.61
2:6e:125:ILE:HG12	2:7g:120:ILE:CD1	2.27	0.61
2:6h:269:LEU:HD22	2:7c:270:ILE:HG12	1.82	0.61
2:7c:118:ILE:O	2:7c:118:ILE:HG23	2.00	0.61
2:2e:222:LEU:HB3	2:1p:226:ILE:HG21	1.81	0.61
2:2h:242:LEU:HD12	2:3p:235:PRO:CA	2.29	0.61
2:3i:249:ALA:C	2:4g:280:SER:HB2	2.24	0.61
2:4g:97:TYR:C	2:4g:110:LEU:CB	2.71	0.61
2:4h:91:PRO:HB3	2:4h:117:GLU:O	2.00	0.61
2:6l:251:VAL:CG1	2:7h:279:ILE:HD12	2.30	0.61
2:7h:245:VAL:HG21	2:8p:245:VAL:HG11	1.81	0.61
2:7i:118:ILE:HG23	2:7i:118:ILE:O	2.00	0.61
2:8m:110:LEU:HD13	2:8m:110:LEU:H	1.65	0.61
2:8m:236:ALA:HA	2:9H:242:LEU:CG	2.29	0.61
2:8n:254:SER:O	2:8r:263:VAL:CG1	2.48	0.61
2:8o:74:GLY:C	2:7l:23:GLN:NE2	2.58	0.61
2:9G:62:ALA:HA	2:9G:110:LEU:O	1.99	0.61
2:2j:247:LYS:N	2:1t:238:THR:O	2.32	0.61
2:3o:145:ARG:HE	2:3o:159:ASN:ND2	1.97	0.61
2:4j:91:PRO:HB3	2:4j:117:GLU:O	2.00	0.61
2:6m:251:VAL:HG11	2:8u:279:ILE:HD13	1.77	0.61
2:6o:8:ARG:O	2:6o:8:ARG:CG	2.44	0.61
2:8s:200:LEU:HD11	2:9I:200:LEU:HD21	1.75	0.61
2:2r:126:LYS:HG3	2:3x:119:SER:HB3	1.81	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:184:LEU:HA	2:3w:180:VAL:HG11	1.81	0.61
2:2s:231:PRO:HD3	2:3w:229:GLY:N	2.15	0.61
2:2s:232:TYR:HE2	2:3w:232:TYR:CE2	2.17	0.61
2:6r:279:ILE:CG2	2:5n:273:LEU:HD21	2.30	0.61
2:7p:62:ALA:HA	2:7p:110:LEU:O	1.99	0.61
2:7q:62:ALA:HA	2:7q:110:LEU:O	1.99	0.61
2:7r:249:ALA:O	2:9L:279:ILE:HB	2.00	0.61
2:8w:225:MET:HG3	2:9I:212:GLY:O	1.97	0.61
2:8z:76:ASN:ND2	2:8z:116:LYS:HD2	2.11	0.61
2:8z:242:LEU:HD23	2:7x:245:VAL:C	2.25	0.61
2:1u:222:LEU:O	2:2t:226:ILE:HD12	2.00	0.61
2:1v:76:ASN:ND2	2:1v:116:LYS:HD2	2.11	0.61
2:2u:118:ILE:O	2:2u:118:ILE:HG23	2.00	0.61
2:6x:269:LEU:HD22	2:7w:270:ILE:HG12	1.82	0.61
2:7v:62:ALA:HA	2:7v:110:LEU:O	1.99	0.61
2:7w:248:GLY:O	2:9R:279:ILE:C	2.43	0.61
2:7w:259:VAL:HG23	2:9R:259:VAL:HG23	1.76	0.61
2:7w:269:LEU:HD23	2:9R:269:LEU:HD23	1.81	0.61
1:4B:203:PRO:CA	1:4B:212:GLU:CG	2.76	0.61
1:2H:448:ALA:HB3	2:2f:41:TYR:HD1	1.65	0.61
1:3H:245:GLU:OE1	1:3H:245:GLU:N	2.22	0.61
1:8K:314:ASN:OD1	1:8K:314:ASN:C	2.43	0.61
1:4Q:202:GLU:O	1:4Q:203:PRO:C	2.43	0.61
1:1T:245:GLU:OE1	1:1T:245:GLU:N	2.24	0.61
1:6T:444:GLY:N	2:6s:56:ASN:HD21	1.98	0.61
1:9D:446:ALA:C	2:9I:55:VAL:HG13	2.24	0.61
1:3d:448:ALA:HB2	2:3u:41:TYR:CE1	2.34	0.61
1:5Z:203:PRO:HB3	1:5Z:209:ALA:HB3	1.80	0.61
2:1e:145:ARG:HE	2:1e:159:ASN:ND2	1.97	0.61
2:2Z:219:LYS:CG	2:1l:225:MET:O	2.44	0.61
2:2d:57:MET:HE2	2:1k:111:VAL:HG22	1.82	0.61
2:3e:145:ARG:HE	2:3e:159:ASN:ND2	1.97	0.61
2:3f:110:LEU:HD13	2:3f:110:LEU:H	1.65	0.61
2:3h:145:ARG:HE	2:3h:159:ASN:ND2	1.97	0.61
2:5f:238:THR:C	2:7a:247:LYS:CB	2.73	0.61
2:6e:251:VAL:CG2	2:8i:270:ILE:CG1	2.74	0.61
2:6g:127:ASP:OD1	2:7Z:121[A]:GLU:HA	2.00	0.61
2:6h:97:TYR:C	2:6h:110:LEU:CB	2.71	0.61
2:7a:240:THR:C	2:6v:246:LYS:HE2	2.25	0.61
2:7b:226:ILE:CD1	2:9Q:226:ILE:HD11	2.30	0.61
2:7c:140:THR:CA	2:8j:131:THR:OG1	2.48	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7d:62:ALA:HA	2:7d:110:LEU:O	1.99	0.61
2:8e:254:SER:CB	2:9O:266:LEU:CG	2.76	0.61
2:8f:277:GLY:O	2:9P:247:LYS:HE3	2.00	0.61
2:8g:234:LEU:HG	2:9G:242:LEU:CB	2.29	0.61
2:8g:234:LEU:HG	2:9G:242:LEU:HB2	1.81	0.61
2:1i:210:LEU:CD2	2:2e:206:VAL:CG1	2.64	0.61
2:1i:222:LEU:O	2:2e:226:ILE:HD12	2.00	0.61
2:2e:119:SER:HB3	2:1p:126:LYS:HB2	1.81	0.61
2:2g:214:PRO:HG2	2:3i:225:MET:O	2.00	0.61
2:3j:97:TYR:C	2:3j:110:LEU:CB	2.71	0.61
2:5h:238:THR:C	2:7f:247:LYS:CB	2.73	0.61
2:7g:118:ILE:HG23	2:7g:118:ILE:O	2.00	0.61
2:8k:91:PRO:HB3	2:8k:117:GLU:O	2.00	0.61
2:8m:3:VAL:HG11	2:8q:62:ALA:HB3	1.82	0.61
2:8m:230:VAL:HG12	2:9H:227:GLY:O	2.00	0.61
2:8m:234:LEU:HG	2:9H:242:LEU:CB	2.29	0.61
2:8n:59:PRO:HG2	2:7n:59:PRO:O	2.00	0.61
2:1o:148[A]:ILE:CG2	2:3o:145:ARG:HG2	2.30	0.61
2:1o:234:LEU:CD1	2:3o:234:LEU:CD1	2.77	0.61
2:5j:238:THR:C	2:7k:247:LYS:CB	2.73	0.61
2:8q:148[B]:ILE:HD11	2:9H:148[B]:ILE:CD1	2.24	0.61
2:8s:236:ALA:HA	2:9I:242:LEU:CG	2.29	0.61
2:8u:110:LEU:HD13	2:8u:110:LEU:H	1.65	0.61
2:2q:62:ALA:HA	2:2q:110:LEU:O	1.99	0.61
2:2q:225:MET:SD	2:4k:209:LEU:CD1	2.87	0.61
2:2r:27:ILE:HA	2:3x:73:VAL:HG11	1.82	0.61
2:2s:193:LYS:HD3	2:3w:201:VAL:C	2.25	0.61
2:3r:97:TYR:C	2:3r:110:LEU:CB	2.71	0.61
2:5k:173:LEU:O	2:6s:162:THR:OG1	2.18	0.61
2:5l:91:PRO:HB3	2:5l:117:GLU:O	2.00	0.61
2:6q:247:LYS:HB2	2:9K:237:ALA:CB	2.31	0.61
2:6r:145:ARG:HE	2:6r:159:ASN:ND2	1.97	0.61
2:7r:272:VAL:CG1	2:9L:279:ILE:HG21	2.29	0.61
2:7s:57:MET:HE2	2:8x:111:VAL:HG13	1.82	0.61
2:8w:8:ARG:O	2:8w:8:ARG:CG	2.44	0.61
2:8w:116:LYS:HA	2:8w:116:LYS:CE	2.22	0.61
2:8y:230:VAL:HG12	2:9J:227:GLY:O	2.00	0.61
2:8z:242:LEU:CB	2:7x:234:LEU:HD21	2.10	0.61
2:9K:145:ARG:HE	2:9K:159:ASN:ND2	1.97	0.61
2:1u:222:LEU:CB	2:2t:226:ILE:CB	2.78	0.61
2:1v:239:THR:HA	2:2u:247:LYS:N	2.16	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3u:91:PRO:HB3	2:3u:117:GLU:O	2.00	0.61
2:3v:145:ARG:HE	2:3v:159:ASN:ND2	1.97	0.61
2:3w:91:PRO:HB3	2:3w:117:GLU:O	2.00	0.61
2:4n:91:PRO:HB3	2:4n:117:GLU:O	2.00	0.61
2:5n:91:PRO:HB3	2:5n:117:GLU:O	2.00	0.61
2:6w:232:TYR:CD1	2:7t:232:TYR:HB3	2.34	0.61
2:9M:201:VAL:N	2:9J:193:LYS:CE	2.62	0.61
2:9M:240:THR:C	2:9J:246:LYS:CE	2.74	0.61
2:9N:97:TYR:C	2:9N:110:LEU:CB	2.71	0.61
1:4A:245:GLU:OE1	1:4A:245:GLU:N	2.21	0.61
1:4C:88:LYS:HG3	1:4C:88:LYS:O	2.00	0.61
1:6B:314:ASN:OD1	1:6B:314:ASN:C	2.43	0.61
1:2H:382:LYS:CE	2:2f:101:GLU:OE2	2.48	0.61
1:3H:230:SER:OG	1:3H:231:ARG:N	2.32	0.61
1:4L:446:ALA:CB	2:4h:56:ASN:CB	2.66	0.61
1:5K:30:ASP:OD1	1:5K:30:ASP:O	2.18	0.61
1:6G:442:ALA:HB3	2:6l:45:LYS:CE	2.30	0.61
1:2K:443:SER:O	2:2m:45:LYS:NZ	2.26	0.61
1:2M:25:ARG:CZ	2:4j:51:ASP:CG	2.73	0.61
1:3R:448:ALA:CA	2:3m:41:TYR:HD1	2.12	0.61
1:5Q:30:ASP:OD1	1:5Q:30:ASP:O	2.18	0.61
1:6N:445:GLY:N	2:6o:44:VAL:CG2	2.63	0.61
1:9C:405:SER:HB2	2:9H:45:LYS:HA	1.83	0.61
1:3V:443:SER:HA	2:3s:56:ASN:HD21	0.45	0.61
1:3X:447:GLN:N	2:3q:42:VAL:O	2.28	0.61
1:4T:245:GLU:OE1	1:4T:245:GLU:N	2.23	0.61
1:7R:403:SER:C	2:7p:16:TYR:OH	2.43	0.61
1:4c:392:THR:HG21	2:4m:16:TYR:CD1	2.35	0.61
1:6a:252:ASP:OD1	1:6a:252:ASP:C	2.43	0.61
1:6b:282:ILE:HD12	1:6b:282:ILE:C	2.25	0.61
1:7V:25:ARG:NH1	2:9R:51:ASP:OD1	2.32	0.61
2:1e:222:LEU:CB	2:2Z:226:ILE:CB	2.78	0.61
2:1g:266:LEU:HD11	2:3g:265:ASP:O	2.00	0.61
2:3g:76:ASN:ND2	2:3g:116:LYS:CD	2.59	0.61
2:3g:148[A]:ILE:HD13	2:2x:148[A]:ILE:CD1	2.29	0.61
2:3g:148[A]:ILE:HD13	2:2x:148[A]:ILE:HD13	1.83	0.61
2:4f:73:VAL:HG13	2:3l:28:ILE:HB	1.81	0.61
2:6f:210:LEU:HD23	2:7f:206:VAL:CG1	2.29	0.61
2:6g:91:PRO:HB3	2:6g:117:GLU:O	2.00	0.61
2:6h:251:VAL:CG1	2:7c:279:ILE:HD12	2.30	0.61
2:7a:227:GLY:HA3	2:6v:223:ARG:NH1	2.14	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:245:VAL:HG21	2:8j:245:VAL:HG11	1.81	0.61
2:8e:201:VAL:N	2:9F:193:LYS:CE	2.62	0.61
2:8e:232:TYR:CD1	2:9F:232:TYR:CB	2.75	0.61
2:8e:280:SER:CB	2:9F:249:ALA:C	2.72	0.61
2:9F:226:ILE:CB	2:9O:222:LEU:HB3	2.18	0.61
2:1i:145:ARG:HE	2:1i:159:ASN:ND2	1.97	0.61
2:2h:242:LEU:HD11	2:3p:236:ALA:C	2.25	0.61
2:3i:8:ARG:O	2:3i:8:ARG:CG	2.44	0.61
2:5h:238:THR:C	2:7f:247:LYS:HB2	2.26	0.61
2:8k:175:PHE:HD1	2:9G:171:GLN:CD	2.02	0.61
2:1o:245:VAL:HG11	2:3o:245:VAL:HG23	1.70	0.61
2:2j:145:ARG:HE	2:2j:159:ASN:ND2	1.97	0.61
2:3m:76:ASN:ND2	2:3m:116:LYS:HD2	2.11	0.61
2:3o:91:PRO:HB3	2:3o:117:GLU:O	2.01	0.61
2:5j:91:PRO:HB3	2:5j:117:GLU:O	2.00	0.61
2:6m:148[B]:ILE:HD12	2:7q:148[B]:ILE:CD1	2.29	0.61
2:6n:238:THR:O	2:5l:246:LYS:C	2.42	0.61
2:7l:118:ILE:O	2:7l:118:ILE:HG23	2.00	0.61
2:7m:269:LEU:HD23	2:8v:269:LEU:HD23	1.81	0.61
2:7n:57:MET:HE2	2:8r:111:VAL:HG13	1.82	0.61
2:8q:237:ALA:CB	2:9H:246:LYS:CA	2.66	0.61
2:8q:281:LEU:HA	2:9H:250:ALA:HA	1.82	0.61
2:2o:145:ARG:HE	2:2o:159:ASN:ND2	1.97	0.61
2:2o:183:PHE:CZ	2:1x:196:LEU:CD2	2.84	0.61
2:2p:206:VAL:HG11	2:3r:210:LEU:HA	1.81	0.61
2:2r:242:LEU:HD11	2:3x:236:ALA:C	2.25	0.61
2:2s:148[A]:ILE:HD13	2:3w:148[A]:ILE:HD13	1.82	0.61
2:3q:249:ALA:C	2:4k:280:SER:HB2	2.24	0.61
2:4l:73:VAL:HG13	2:3x:28:ILE:HB	1.81	0.61
2:5k:259:VAL:HG11	2:6s:258:ASP:O	1.98	0.61
2:6q:148[B]:ILE:CD1	2:9K:148[B]:ILE:CD1	2.78	0.61
2:7o:118:ILE:O	2:7o:118:ILE:HG23	2.00	0.61
2:2u:145:ARG:HE	2:2u:159:ASN:ND2	1.97	0.61
2:2v:228:ALA:CA	2:4m:229:GLY:O	2.48	0.61
2:3u:273:LEU:HD23	2:4m:279:ILE:CG2	2.28	0.61
2:6w:127:ASP:OD1	2:7t:121[A]:GLU:HA	2.00	0.61
2:6x:251:VAL:CG1	2:7w:279:ILE:HD12	2.30	0.61
2:7v:118:ILE:HG23	2:7v:118:ILE:O	2.00	0.61
2:7v:145:ARG:HE	2:7v:159:ASN:ND2	1.97	0.61
2:7w:62:ALA:HA	2:7w:110:LEU:O	1.99	0.61
2:7w:118:ILE:HG23	2:7w:118:ILE:O	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:245:VAL:HG21	2:9R:245:VAL:HG11	1.81	0.61
2:7w:249:ALA:O	2:9R:279:ILE:HB	2.00	0.61
2:7x:120:ILE:CD1	2:9N:120:ILE:CD1	2.40	0.61
1:8E:448:ALA:O	2:8h:60:LEU:N	2.32	0.61
1:9A:28:GLN:HE22	2:8w:27:ILE:HD11	0.53	0.61
1:1I:445:GLY:HA2	2:1k:54:GLN:O	2.00	0.61
1:5I:28:GLN:OE1	1:5I:28:GLN:N	2.26	0.61
1:6J:282:ILE:C	1:6J:282:ILE:HD12	2.25	0.61
1:3Q:245:GLU:OE1	1:3Q:245:GLU:N	2.25	0.61
1:6M:202:GLU:O	1:6M:209:ALA:HB1	2.00	0.61
1:5T:228:GLN:OE1	1:5T:228:GLN:N	2.23	0.61
1:5U:402:LEU:HG	1:5U:402:LEU:O	2.00	0.61
1:7R:356:PRO:HD2	1:7R:369:PHE:CD2	2.35	0.61
1:1c:245:GLU:OE1	1:1c:245:GLU:N	2.29	0.61
1:4c:444:GLY:HA2	2:4m:45:LYS:NZ	2.15	0.61
1:5d:392:THR:HG21	2:5n:107:LEU:HD21	1.82	0.61
1:8b:200:ILE:O	1:8b:343:SER:HA	2.00	0.61
2:1e:235:PRO:O	2:2Z:242:LEU:HD11	1.97	0.61
2:1e:244:GLY:N	2:2Z:242:LEU:CD1	2.42	0.61
2:2b:219:LYS:HE3	2:3e:224:THR:O	1.99	0.61
2:2d:145:ARG:HE	2:2d:159:ASN:ND2	1.97	0.61
2:3h:73:VAL:HG11	2:2w:27:ILE:HA	1.82	0.61
2:7a:118:ILE:HG23	2:7a:118:ILE:O	2.00	0.61
2:7c:249:ALA:O	2:8j:279:ILE:HB	2.00	0.61
2:8e:246:LYS:HE2	2:9O:242:LEU:HG	1.82	0.61
2:8i:226:ILE:HD11	2:7g:226:ILE:CD1	2.30	0.61
2:1j:239:THR:HA	2:2f:247:LYS:N	2.16	0.61
2:1j:247:LYS:N	2:3j:238:THR:O	2.33	0.61
2:1k:148[A]:ILE:CG2	2:3k:145:ARG:HG2	2.30	0.61
2:2e:157:LEU:HD12	2:1p:173:LEU:HB3	1.83	0.61
2:5g:254:SER:HB3	2:7e:266:LEU:CD2	2.30	0.61
2:6l:145:ARG:HE	2:6l:159:ASN:ND2	1.97	0.61
2:7h:73:VAL:HG12	2:8p:28:ILE:HG13	1.81	0.61
2:7h:148[B]:ILE:HD13	2:8p:148[B]:ILE:HD13	1.81	0.61
2:1m:145:ARG:HE	2:1m:159:ASN:ND2	1.97	0.61
2:1m:247:LYS:CA	2:2j:239:THR:HG22	2.12	0.61
2:1n:247:LYS:HB3	2:3n:239:THR:HA	0.72	0.61
2:1o:266:LEU:HD11	2:3o:265:ASP:O	2.00	0.61
2:2k:226:ILE:HD12	2:3n:222:LEU:O	2.00	0.61
2:2m:242:LEU:N	2:3t:234:LEU:CD2	2.60	0.61
2:2n:57:MET:HB3	2:1s:61:ALA:HB3	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:214:PRO:HD2	2:3s:225:MET:CG	2.31	0.61
2:3m:249:ALA:C	2:4i:280:SER:HB2	2.24	0.61
2:5i:266:LEU:CD2	2:6o:265:ASP:HB3	2.20	0.61
2:6o:91:PRO:HB3	2:6o:117:GLU:O	2.00	0.61
2:6p:145:ARG:HE	2:6p:159:ASN:ND2	1.97	0.61
2:7m:245:VAL:HG21	2:8v:245:VAL:HG11	1.81	0.61
2:8q:240:THR:C	2:9H:246:LYS:CE	2.73	0.61
2:8t:91:PRO:HB3	2:8t:117:GLU:O	2.00	0.61
2:9H:118:ILE:HG23	2:9H:118:ILE:O	2.00	0.61
2:1q:223:ARG:CZ	2:2o:227:GLY:HA3	2.15	0.61
2:1r:200:LEU:HD22	2:2p:200:LEU:CD1	2.31	0.61
2:1r:223:ARG:HD2	2:3r:227:GLY:C	2.21	0.61
2:2o:119:SER:HB3	2:1x:126:LYS:HB2	1.81	0.61
2:2p:200:LEU:CD1	2:3r:200:LEU:HD11	2.22	0.61
2:4l:91:PRO:HB3	2:4l:117:GLU:O	2.00	0.61
2:5l:76:ASN:ND2	2:5l:116:LYS:HD2	2.11	0.61
2:6r:99:VAL:CG2	2:6r:109:THR:O	2.40	0.61
2:7r:140:THR:CA	2:9L:131:THR:OG1	2.48	0.61
2:7r:250:ALA:HB2	2:9L:281:LEU:C	2.26	0.61
2:9K:99:VAL:CG2	2:9K:109:THR:O	2.41	0.61
2:1v:200:LEU:HD22	2:2u:200:LEU:CD1	2.31	0.61
2:5m:226:ILE:CD1	2:7t:226:ILE:CD1	2.70	0.61
2:5m:254:SER:HB3	2:7t:266:LEU:CD2	2.31	0.61
2:5m:279:ILE:CG2	2:6w:272:VAL:CG1	2.79	0.61
2:5n:76:ASN:ND2	2:5n:116:LYS:CD	2.59	0.61
2:9R:91:PRO:HB3	2:9R:117:GLU:O	2.00	0.61
1:3D:445:GLY:C	2:3g:44:VAL:HG22	2.24	0.61
1:1K:212:GLU:HG3	1:1L:372:TYR:CZ	2.36	0.61
1:5K:199:LYS:CD	1:5K:201:ASP:HB3	2.30	0.61
1:1O:445:GLY:CA	2:1o:54:GLN:O	2.49	0.61
1:7M:356:PRO:HD2	1:7M:369:PHE:CD2	2.35	0.61
1:4W:202:GLU:O	1:4W:203:PRO:C	2.44	0.61
1:5W:445:GLY:CA	2:5k:45:LYS:H	2.14	0.61
1:6T:448:ALA:HB3	2:6s:41:TYR:CE1	2.35	0.61
1:8U:230:SER:OG	1:8U:231:ARG:N	2.34	0.61
1:9D:28:GLN:NE2	2:8k:27:ILE:HD11	2.13	0.61
1:5a:245:GLU:OE1	1:5a:245:GLU:N	2.19	0.61
1:6Z:446:ALA:N	2:6w:54:GLN:O	2.32	0.61
2:1f:200:LEU:HD22	2:2a:200:LEU:CD1	2.31	0.61
2:1f:230:VAL:HA	2:3f:227:GLY:O	2.00	0.61
2:1h:226:ILE:HG21	2:2t:222:LEU:HB3	1.81	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1h:242:LEU:HD11	2:2t:236:ALA:CA	2.28	0.61
2:2c:278:ILE:HD13	2:4f:278:ILE:CG2	2.30	0.61
2:3h:243:GLY:CA	2:2w:242:LEU:CD1	2.77	0.61
2:4e:267:ASN:O	2:4e:271:THR:HG23	2.01	0.61
2:8i:75:ASP:N	2:7g:23:GLN:NE2	2.49	0.61
2:8i:110:LEU:HD13	2:8i:110:LEU:H	1.65	0.61
2:8i:145:ARG:HE	2:8i:159:ASN:ND2	1.97	0.61
2:8j:76:ASN:ND2	2:8j:116:LYS:HD2	2.11	0.61
2:1i:222:LEU:CB	2:2e:226:ILE:CB	2.78	0.61
2:1i:242:LEU:CD2	2:1p:245:VAL:HA	2.28	0.61
2:1j:239:THR:HG22	2:2f:247:LYS:C	2.25	0.61
2:2f:62:ALA:HA	2:2f:110:LEU:O	1.99	0.61
2:2i:57:MET:HB3	2:1o:61:ALA:HB3	1.82	0.61
2:2i:184:LEU:HA	2:3o:180:VAL:HG11	1.81	0.61
2:2i:214:PRO:HD2	2:3o:225:MET:CG	2.31	0.61
2:3l:110:LEU:HD13	2:3l:110:LEU:H	1.65	0.61
2:6j:110:LEU:HD13	2:6j:110:LEU:H	1.65	0.61
2:6j:229:GLY:C	2:7k:229:GLY:H	1.96	0.61
2:8l:267:ASN:O	2:8l:271:THR:HG23	2.01	0.61
2:8m:200:LEU:HD11	2:9H:200:LEU:HD21	1.76	0.61
2:8m:242:LEU:HG	2:8q:246:LYS:HE2	1.82	0.61
2:1n:230:VAL:HA	2:3n:227:GLY:O	2.00	0.61
2:1o:273:LEU:HD13	2:3o:273:LEU:CD2	2.29	0.61
2:2j:273:LEU:HD23	2:1t:279:ILE:HG22	1.82	0.61
2:2m:120:ILE:CD1	2:3t:120:ILE:CD1	2.68	0.61
2:3m:76:ASN:ND2	2:3m:116:LYS:CD	2.59	0.61
2:3n:97:TYR:C	2:3n:110:LEU:CB	2.71	0.61
2:6o:76:ASN:ND2	2:6o:116:LYS:CD	2.59	0.61
2:7m:184:LEU:HD21	2:8v:184:LEU:HD21	1.82	0.61
2:7m:250:ALA:HB2	2:8v:281:LEU:C	2.26	0.61
2:7m:258:ASP:C	2:8v:259:VAL:HG13	2.21	0.61
2:7n:145:ARG:HE	2:7n:159:ASN:ND2	1.97	0.61
2:1r:91:PRO:HB3	2:1r:117:GLU:O	2.00	0.61
2:1r:206:VAL:HG11	2:2p:210:LEU:HD23	1.82	0.61
2:1r:239:THR:HA	2:2p:247:LYS:N	2.16	0.61
2:1r:247:LYS:N	2:3r:238:THR:O	2.33	0.61
2:1s:226:ILE:C	2:3s:219:LYS:CE	2.74	0.61
2:1s:228:ALA:C	2:3s:231:PRO:HD3	2.25	0.61
2:2q:228:ALA:CA	2:4k:229:GLY:O	2.48	0.61
2:2r:242:LEU:HD12	2:3x:235:PRO:CA	2.29	0.61
2:2s:234:LEU:HD13	2:3w:234:LEU:HD12	1.79	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4l:76:ASN:ND2	2:4l:116:LYS:CD	2.59	0.61
2:5k:266:LEU:HD21	2:6s:265:ASP:CA	2.31	0.61
2:5k:269:LEU:CG	2:6s:269:LEU:CD2	2.76	0.61
2:6r:200:LEU:HD13	2:5n:200:LEU:CD1	2.30	0.61
2:8w:240:THR:C	2:9l:246:LYS:CE	2.74	0.61
2:8y:267:ASN:O	2:8y:271:THR:HG23	2.01	0.61
2:9K:226:ILE:HD11	2:7v:226:ILE:CD1	2.30	0.61
2:9L:91:PRO:HB3	2:9L:117:GLU:O	2.00	0.61
2:1v:239:THR:HG22	2:2u:247:LYS:C	2.25	0.61
2:1w:97:TYR:C	2:1w:110:LEU:CB	2.71	0.61
2:1w:110:LEU:HD13	2:1w:110:LEU:H	1.65	0.61
2:2v:193:LYS:CD	2:3u:202:SER:HB3	2.30	0.61
2:5m:110:LEU:HD13	2:5m:110:LEU:H	1.65	0.61
2:6w:279:ILE:HG22	2:7t:273:LEU:CD2	2.30	0.61
2:7w:145:ARG:HE	2:7w:159:ASN:ND2	1.97	0.61
1:5B:203:PRO:HB3	1:5B:209:ALA:HB3	1.80	0.61
1:5C:402:LEU:HG	1:5C:402:LEU:O	2.00	0.61
1:5E:30:ASP:OD1	1:5E:30:ASP:O	2.18	0.61
1:7D:446:ALA:HA	2:7Z:44:VAL:HG22	1.82	0.61
1:4L:446:ALA:CB	2:4h:56:ASN:H	2.13	0.61
1:6K:228:GLN:OE1	1:6K:228:GLN:N	2.25	0.61
1:1M:446:ALA:CB	2:1m:19:LEU:HD12	2.30	0.61
1:1O:445:GLY:HA2	2:1o:54:GLN:O	1.99	0.61
1:3O:203:PRO:O	1:3O:205:SER:N	2.31	0.61
1:6O:110:TYR:O	1:6O:110:TYR:CG	2.53	0.61
1:7L:25:ARG:CZ	2:8v:51:ASP:OD1	2.48	0.61
1:4T:203:PRO:HA	1:4T:212:GLU:OE1	2.01	0.61
1:4X:445:GLY:N	2:4l:44:VAL:HG22	2.13	0.61
1:5W:30:ASP:OD1	1:5W:30:ASP:C	2.40	0.61
1:6W:444:GLY:CA	2:6r:45:LYS:HD2	2.27	0.61
1:7T:448:ALA:N	2:7r:41:TYR:CE1	2.69	0.61
1:8c:314:ASN:OD1	1:8c:314:ASN:C	2.43	0.61
2:1e:222:LEU:O	2:2Z:226:ILE:HD12	2.00	0.61
2:2Z:236:ALA:CA	2:1l:242:LEU:HD11	2.28	0.61
2:2d:120:ILE:HD12	2:1k:120:ILE:HD11	1.66	0.61
2:2d:244:GLY:C	2:3k:243:GLY:O	2.42	0.61
2:3f:97:TYR:C	2:3f:110:LEU:CB	2.71	0.61
2:3g:201:VAL:C	2:2x:193:LYS:HD3	2.26	0.61
2:3g:278:ILE:CG2	2:2x:278:ILE:HG21	2.30	0.61
2:5e:279:ILE:CG2	2:6g:272:VAL:CG1	2.79	0.61
2:6g:173:LEU:HD22	2:7Z:160:GLY:HA2	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:225:MET:SD	2:7Z:209:LEU:CD1	2.72	0.61
2:7a:145:ARG:HE	2:7a:159:ASN:ND2	1.97	0.61
2:7c:184:LEU:HD21	2:8j:184:LEU:HD21	1.82	0.61
2:8e:240:THR:C	2:9F:246:LYS:CE	2.74	0.61
2:8e:259:VAL:CG1	2:9F:259:VAL:N	2.43	0.61
2:8h:242:LEU:HD23	2:7i:245:VAL:C	2.25	0.61
2:8j:91:PRO:HB3	2:8j:117:GLU:O	2.00	0.61
2:1i:235:PRO:C	2:2e:242:LEU:HD11	2.26	0.61
2:1k:226:ILE:C	2:3k:219:LYS:CE	2.74	0.61
2:2e:62:ALA:HA	2:2e:110:LEU:O	1.99	0.61
2:2e:118:ILE:HG23	2:2e:118:ILE:O	2.00	0.61
2:4g:99:VAL:CG2	2:4g:109:THR:O	2.40	0.61
2:6i:158[A]:ILE:HA	2:8o:154:ALA:HB1	1.83	0.61
2:6i:255:THR:HA	2:8o:263:VAL:CG1	2.27	0.61
2:6l:97:TYR:C	2:6l:110:LEU:CB	2.71	0.61
2:7h:250:ALA:HB2	2:8p:281:LEU:C	2.26	0.61
2:8n:227:GLY:C	2:7n:223:ARG:CD	2.72	0.61
2:8o:75:ASP:N	2:7l:23:GLN:NE2	2.49	0.61
2:8o:99:VAL:CG2	2:8o:109:THR:O	2.41	0.61
2:1n:200:LEU:HD22	2:2k:200:LEU:CD1	2.31	0.61
2:1n:247:LYS:N	2:3n:238:THR:O	2.33	0.61
2:1n:267:ASN:O	2:1n:271:THR:HG23	2.01	0.61
2:2j:119:SER:HB3	2:1t:126:LYS:HB2	1.81	0.61
2:2m:126:LYS:HG3	2:3t:119:SER:HB3	1.81	0.61
2:2m:202:SER:N	2:3t:197:GLN:HE21	1.98	0.61
2:2n:231:PRO:HD3	2:3s:229:GLY:N	2.16	0.61
2:4j:73:VAL:HG13	2:3t:28:ILE:HB	1.81	0.61
2:7l:62:ALA:HA	2:7l:110:LEU:O	1.99	0.61
2:7m:249:ALA:O	2:8v:279:ILE:HB	2.00	0.61
2:8q:278:ILE:HG23	2:9H:278:ILE:CD1	1.90	0.61
2:8u:97:TYR:C	2:8u:110:LEU:CB	2.71	0.61
2:8u:226:ILE:HD11	2:7q:226:ILE:CD1	2.30	0.61
2:8u:267:ASN:O	2:8u:271:THR:HG23	2.01	0.61
2:1q:222:LEU:CB	2:2o:226:ILE:CB	2.78	0.61
2:1s:229:GLY:HA2	2:3s:231:PRO:CG	2.17	0.61
2:1s:279:ILE:CA	2:3s:248:GLY:HA3	2.25	0.61
2:1t:91:PRO:HB3	2:1t:117:GLU:O	2.00	0.61
2:2q:214:PRO:HG2	2:3q:225:MET:O	2.00	0.61
2:2s:118:ILE:HG23	2:2s:118:ILE:O	2.00	0.61
2:3q:91:PRO:HB3	2:3q:117:GLU:O	2.00	0.61
2:5k:110:LEU:HD13	2:5k:110:LEU:H	1.65	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6q:91:PRO:HB3	2:6q:117:GLU:O	2.00	0.61
2:7r:62:ALA:HA	2:7r:110:LEU:O	1.99	0.61
2:7r:254:SER:CB	2:9L:267:ASN:CG	2.73	0.61
2:8w:240:THR:O	2:9I:246:LYS:NZ	2.15	0.61
2:8z:91:PRO:HB3	2:8z:117:GLU:O	2.00	0.61
2:1v:230:VAL:HA	2:3v:227:GLY:O	2.00	0.61
2:1w:148[A]:ILE:CG2	2:3w:145:ARG:HG2	2.30	0.61
2:2u:226:ILE:HD12	2:3v:223:ARG:N	2.14	0.61
2:2v:118:ILE:O	2:2v:118:ILE:HG23	2.00	0.61
2:2v:225:MET:SD	2:4m:209:LEU:CD1	2.88	0.61
2:5n:267:ASN:O	2:5n:271:THR:HG23	2.01	0.61
2:6u:145:ARG:HE	2:6u:159:ASN:ND2	1.97	0.61
2:7w:250:ALA:HB2	2:9R:281:LEU:C	2.25	0.61
2:7x:145:ARG:HE	2:7x:159:ASN:ND2	1.97	0.61
2:9Q:145:ARG:HE	2:9Q:159:ASN:ND2	1.97	0.61
1:6C:110:TYR:O	1:6C:110:TYR:CG	2.53	0.61
1:8A:230:SER:OG	1:8A:231:ARG:N	2.34	0.61
1:8E:447:GLN:HB3	2:8h:56:ASN:HB2	1.81	0.61
1:6I:252:ASP:OD1	1:6I:252:ASP:C	2.42	0.61
1:8J:447:GLN:CB	2:8o:56:ASN:HB2	2.31	0.61
1:1P:444:GLY:C	2:1p:44:VAL:HG21	2.26	0.61
1:7M:355:SER:CB	1:7M:370:THR:H	2.11	0.61
1:8P:200:ILE:O	1:8P:343:SER:HA	2.00	0.61
1:9C:394:THR:HA	2:9H:16:TYR:CD1	2.36	0.61
1:3X:448:ALA:CA	2:3q:41:TYR:HD1	2.14	0.61
1:1Z:444:GLY:O	2:1v:44:VAL:CG2	2.48	0.61
1:5d:428:LEU:HD12	1:5d:428:LEU:C	2.25	0.61
1:6Y:202:GLU:O	1:6Y:209:ALA:HB1	2.00	0.61
1:8a:230:SER:OG	1:8a:231:ARG:N	2.34	0.61
1:8c:245:GLU:OE1	1:8c:245:GLU:N	2.27	0.61
2:1e:267:ASN:O	2:1e:271:THR:HG23	2.01	0.61
2:1g:226:ILE:C	2:3g:219:LYS:CE	2.74	0.61
2:2d:118:ILE:O	2:2d:118:ILE:HG23	2.00	0.61
2:2d:148[A]:ILE:HD13	2:3k:148[A]:ILE:HD13	1.83	0.61
2:3g:243:GLY:O	2:2x:244:GLY:C	2.42	0.61
2:3h:99:VAL:HG12	2:2w:28:ILE:HD11	1.80	0.61
2:5e:99:VAL:CG2	2:5e:109:THR:O	2.41	0.61
2:5f:91:PRO:HB3	2:5f:117:GLU:O	2.00	0.61
2:5f:238:THR:C	2:7a:247:LYS:HB2	2.26	0.61
2:6e:145:ARG:HE	2:6e:159:ASN:ND2	1.97	0.61
2:6e:258:ASP:N	2:8i:259:VAL:CG2	2.59	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:267:ASN:O	2:6f:271:THR:HG23	2.01	0.61
2:6g:279:ILE:HG22	2:7Z:273:LEU:CD2	2.30	0.61
2:6h:148[B]:ILE:HD11	2:7c:148[B]:ILE:CD1	2.31	0.61
2:7a:242:LEU:O	2:6v:234:LEU:HD23	1.99	0.61
2:8e:62:ALA:HB3	2:9O:3:VAL:HG11	1.82	0.61
2:8e:281:LEU:HA	2:9F:250:ALA:HA	1.82	0.61
2:8g:267:ASN:O	2:8g:271:THR:HG23	2.01	0.61
2:8h:247:LYS:HE3	2:8l:277:GLY:O	2.00	0.61
2:8i:267:ASN:O	2:8i:271:THR:HG23	2.01	0.61
2:9F:145:ARG:HE	2:9F:159:ASN:ND2	1.97	0.61
2:1j:91:PRO:HB3	2:1j:117:GLU:O	2.00	0.61
2:1k:229:GLY:HA2	2:3k:231:PRO:CG	2.17	0.61
2:2i:231:PRO:HD3	2:3o:229:GLY:N	2.15	0.61
2:3i:91:PRO:HB3	2:3i:117:GLU:O	2.00	0.61
2:3k:91:PRO:HB3	2:3k:117:GLU:O	2.00	0.61
2:5g:97:TYR:C	2:5g:110:LEU:CB	2.71	0.61
2:5g:279:ILE:CG2	2:6k:272:VAL:CG1	2.79	0.61
2:6j:200:LEU:HD13	2:5j:200:LEU:CD1	2.30	0.61
2:6k:127:ASP:OD1	2:7e:121[A]:GLU:HA	2.00	0.61
2:7h:249:ALA:O	2:8p:279:ILE:HB	2.00	0.61
2:8n:91:PRO:HB3	2:8n:117:GLU:O	2.00	0.61
2:1o:267:ASN:O	2:1o:271:THR:HG23	2.01	0.61
2:2k:226:ILE:HG13	2:3n:223:ARG:CG	2.28	0.61
2:2l:193:LYS:CD	2:3m:202:SER:HB3	2.30	0.61
2:3p:97:TYR:C	2:3p:110:LEU:CB	2.71	0.61
2:6o:232:TYR:OH	2:7j:232:TYR:HE2	1.84	0.61
2:6p:97:TYR:C	2:6p:110:LEU:CB	2.71	0.61
2:8r:110:LEU:HD13	2:8r:110:LEU:H	1.65	0.61
2:1q:267:ASN:O	2:1q:271:THR:HG23	2.01	0.61
2:2o:118:ILE:HG23	2:2o:118:ILE:O	2.00	0.61
2:2p:174:LEU:HD22	2:3r:174:LEU:HD11	1.82	0.61
2:2s:57:MET:HE3	2:1w:61:ALA:CB	2.26	0.61
2:2s:57:MET:HE2	2:1w:111:VAL:HG22	1.82	0.61
2:5k:279:ILE:CG2	2:6s:272:VAL:CG1	2.79	0.61
2:6s:209:LEU:HD22	2:7o:209:LEU:HD21	1.82	0.61
2:7r:158[B]:ILE:HG22	2:9L:149[B]:ILE:HG23	1.81	0.61
2:7r:184:LEU:HD21	2:9L:184:LEU:HD21	1.82	0.61
2:7r:269:LEU:HD23	2:9L:269:LEU:HD23	1.81	0.61
2:8w:267:ASN:O	2:8w:271:THR:HG23	2.01	0.61
2:8w:281:LEU:HA	2:9I:250:ALA:HA	1.82	0.61
2:1v:206:VAL:HG11	2:2u:210:LEU:HD23	1.82	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:234:LEU:CD1	2:3w:234:LEU:CD1	2.77	0.61
2:1x:267:ASN:O	2:1x:271:THR:HG23	2.01	0.61
2:3u:76:ASN:ND2	2:3u:116:LYS:HD2	2.11	0.61
2:5n:238:THR:C	2:7u:247:LYS:HB2	2.26	0.61
2:6w:232:TYR:OH	2:7t:232:TYR:HE2	1.84	0.61
2:7x:57:MET:HE2	2:9N:111:VAL:HG13	1.82	0.61
2:9M:281:LEU:HA	2:9J:250:ALA:HA	1.83	0.61
1:7C:446:ALA:CA	2:7a:41:TYR:CE2	2.71	0.61
1:4H:203:PRO:HA	1:4H:212:GLU:OE1	2.01	0.61
1:8J:448:ALA:HB3	2:8o:57:MET:HE1	1.82	0.61
1:3X:448:ALA:HB2	2:3q:57:MET:SD	2.41	0.61
1:5S:245:GLU:OE1	1:5S:245:GLU:N	2.23	0.61
1:6S:202:GLU:O	1:6S:209:ALA:HB1	2.00	0.61
1:7P:314:ASN:OD1	1:7P:314:ASN:C	2.41	0.61
1:1b:393:GLY:CA	2:1x:107:LEU:CD1	2.78	0.61
1:8Y:448:ALA:CB	2:9M:57:MET:HA	2.30	0.61
1:8d:208:GLY:O	1:8d:212:GLU:CG	2.33	0.61
2:1h:196:LEU:CD2	2:2t:183:PHE:CZ	2.84	0.61
2:2a:174:LEU:HD22	2:3f:174:LEU:HD11	1.82	0.61
2:2d:266:LEU:HD12	2:3k:266:LEU:CD1	2.31	0.61
2:3e:91:PRO:HB3	2:3e:117:GLU:O	2.00	0.61
2:3g:202:SER:OG	2:2x:190:ASP:OD1	2.13	0.61
2:3g:280:SER:HB2	2:2x:248:GLY:O	1.98	0.61
2:3h:97:TYR:C	2:3h:110:LEU:CB	2.71	0.61
2:5f:246:LYS:C	2:6v:238:THR:O	2.42	0.61
2:5f:267:ASN:O	2:5f:271:THR:HG23	2.01	0.61
2:7c:266:LEU:H	2:8j:266:LEU:HD22	1.66	0.61
2:8e:76:ASN:ND2	2:8e:116:LYS:HD2	2.11	0.61
2:8g:242:LEU:HG	2:8k:246:LYS:HE2	1.82	0.61
2:8h:59:PRO:HG2	2:7i:59:PRO:O	2.00	0.61
2:8i:74:GLY:C	2:7g:23:GLN:NE2	2.58	0.61
2:1i:242:LEU:CD2	2:1p:245:VAL:N	2.59	0.61
2:1j:244:GLY:CA	2:3j:242:LEU:HD13	2.31	0.61
2:2f:174:LEU:HD22	2:3j:174:LEU:HD11	1.82	0.61
2:4g:110:LEU:HD13	2:4g:110:LEU:H	1.65	0.61
2:4h:267:ASN:O	2:4h:271:THR:HG23	2.01	0.61
2:6k:206:VAL:HG11	2:7e:210:LEU:CA	2.22	0.61
2:6l:269:LEU:HD22	2:7h:270:ILE:HG12	1.82	0.61
2:7h:269:LEU:HD23	2:8p:269:LEU:HD23	1.81	0.61
2:8k:270:ILE:H	2:9G:269:LEU:CD2	2.08	0.61
2:8o:110:LEU:HD13	2:8o:110:LEU:H	1.65	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2k:174:LEU:HD22	2:3n:174:LEU:HD11	1.82	0.61
2:2m:206:VAL:HG21	2:3t:209:LEU:HG	1.69	0.61
2:2m:267:ASN:O	2:2m:271:THR:HG23	2.01	0.61
2:2n:148[A]:ILE:HD13	2:3s:148[A]:ILE:HD13	1.82	0.61
2:2n:267:ASN:O	2:2n:271:THR:HG23	2.01	0.61
2:3o:267:ASN:O	2:3o:271:THR:HG23	2.01	0.61
2:3p:267:ASN:O	2:3p:271:THR:HG23	2.01	0.61
2:5i:266:LEU:HD21	2:6o:265:ASP:CA	2.31	0.61
2:6n:210:LEU:HD23	2:7p:206:VAL:CG1	2.30	0.61
2:7k:267:ASN:O	2:7k:271:THR:HG23	2.01	0.61
2:7m:258:ASP:HA	2:8v:259:VAL:HG11	1.78	0.61
2:8t:254:SER:O	2:8x:263:VAL:CG1	2.48	0.61
2:8u:75:ASP:N	2:7q:23:GLN:NE2	2.49	0.61
2:1q:247:LYS:HE2	2:2o:280:SER:HG	1.64	0.61
2:1s:110:LEU:HD13	2:1s:110:LEU:H	1.65	0.61
2:1s:266:LEU:HD11	2:3s:265:ASP:O	2.00	0.61
2:1t:267:ASN:O	2:1t:271:THR:HG23	2.01	0.61
2:2p:267:ASN:O	2:2p:271:THR:HG23	2.01	0.61
2:3q:273:LEU:HD21	2:4k:279:ILE:HG21	1.81	0.61
2:6s:232:TYR:OH	2:7o:232:TYR:HE2	1.84	0.61
2:6t:97:TYR:C	2:6t:110:LEU:CB	2.71	0.61
2:6t:269:LEU:HD22	2:7r:270:ILE:HG12	1.82	0.61
2:7q:267:ASN:O	2:7q:271:THR:HG23	2.01	0.61
2:7s:120:ILE:CD1	2:8x:120:ILE:CD1	2.40	0.61
2:8y:242:LEU:HG	2:9M:246:LYS:HE2	1.82	0.61
2:1u:110:LEU:HD13	2:1u:110:LEU:H	1.65	0.61
2:4m:267:ASN:O	2:4m:271:THR:HG23	2.01	0.61
2:6u:267:ASN:O	2:6u:271:THR:HG23	2.01	0.61
2:7w:248:GLY:HA3	2:9R:279:ILE:HA	1.81	0.61
2:9O:97:TYR:C	2:9O:110:LEU:CB	2.71	0.61
2:9O:267:ASN:O	2:9O:271:THR:HG23	2.01	0.61
2:9R:76:ASN:ND2	2:9R:116:LYS:CD	2.59	0.61
1:7C:355:SER:CB	1:7C:370:THR:H	2.11	0.61
1:5I:402:LEU:HG	1:5I:402:LEU:O	2.00	0.61
1:6H:448:ALA:CB	2:6k:41:TYR:CE1	2.84	0.61
1:3P:445:GLY:O	2:3o:44:VAL:HG22	2.00	0.61
1:4R:16:GLU:OE1	1:4R:16:GLU:N	2.25	0.61
1:6M:448:ALA:HB3	2:6p:41:TYR:HD2	1.66	0.61
1:1W:203:PRO:C	1:1W:205:SER:N	2.59	0.61
1:7S:445:GLY:HA3	2:7o:53:THR:OG1	2.00	0.61
1:7U:395:ALA:CB	2:7x:107:LEU:HG	2.29	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7W:397:THR:CA	2:7u:107:LEU:HB2	2.24	0.61
1:8Z:245:GLU:OE1	1:8Z:245:GLU:N	2.32	0.61
2:2b:193:LYS:CD	2:3e:202:SER:HB3	2.30	0.61
2:2b:228:ALA:CA	2:4e:229:GLY:O	2.48	0.61
2:2c:27:ILE:HA	2:3l:73:VAL:HG11	1.82	0.61
2:2c:118:ILE:O	2:2c:118:ILE:HG23	2.00	0.61
2:2c:267:ASN:O	2:2c:271:THR:HG23	2.01	0.61
2:3h:239:THR:CB	2:4n:247:LYS:HD3	2.26	0.61
2:5e:254:SER:HB3	2:7Z:266:LEU:CD2	2.30	0.61
2:5e:267:ASN:O	2:5e:271:THR:HG23	2.01	0.61
2:6g:226:ILE:CG2	2:7Z:222:LEU:HB3	2.25	0.61
2:6h:110:LEU:HD13	2:6h:110:LEU:H	1.65	0.61
2:6h:145:ARG:HE	2:6h:159:ASN:ND2	1.97	0.61
2:7Z:118:ILE:O	2:7Z:118:ILE:HG23	2.00	0.61
2:7b:23:GLN:NE2	2:9Q:75:ASP:N	2.49	0.61
2:7c:248:GLY:HA3	2:8j:279:ILE:HA	1.80	0.61
2:8g:3:VAL:HG11	2:8k:62:ALA:HB3	1.82	0.61
2:2e:61:ALA:HB1	2:1p:57:MET:HB3	1.82	0.61
2:2f:267:ASN:O	2:2f:271:THR:HG23	2.01	0.61
2:2g:193:LYS:CD	2:3i:202:SER:HB3	2.30	0.61
2:3l:267:ASN:O	2:3l:271:THR:HG23	2.01	0.61
2:5h:91:PRO:HB3	2:5h:117:GLU:O	2.00	0.61
2:6l:267:ASN:O	2:6l:271:THR:HG23	2.01	0.61
2:7h:267:ASN:O	2:7h:271:THR:HG23	2.01	0.61
2:8k:274:LYS:NZ	2:9G:251:VAL:CG1	2.63	0.61
2:8m:234:LEU:HG	2:9H:242:LEU:HB2	1.81	0.61
2:8m:267:ASN:O	2:8m:271:THR:HG23	2.01	0.61
2:8n:242:LEU:HD23	2:7n:245:VAL:C	2.25	0.61
2:1n:91:PRO:HB3	2:1n:117:GLU:O	2.00	0.61
2:1o:280:SER:CA	2:3o:249:ALA:C	2.74	0.61
2:6m:91:PRO:HB3	2:6m:117:GLU:O	2.00	0.61
2:6m:247:LYS:HB2	2:8u:237:ALA:CB	2.30	0.61
2:6n:267:ASN:O	2:6n:271:THR:HG23	2.01	0.61
2:7m:73:VAL:HG12	2:8v:28:ILE:HG13	1.81	0.61
2:8q:91:PRO:HB3	2:8q:117:GLU:O	2.00	0.61
2:1r:247:LYS:HB3	2:3r:239:THR:HA	0.72	0.61
2:1s:280:SER:CA	2:3s:249:ALA:C	2.74	0.61
2:2o:222:LEU:HB3	2:1x:226:ILE:HG21	1.81	0.61
2:2q:193:LYS:CD	2:3q:202:SER:HB3	2.30	0.61
2:2q:210:LEU:CD2	2:3q:206:VAL:HG11	2.30	0.61
2:2s:232:TYR:HB3	2:3w:232:TYR:CD1	2.36	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:266:LEU:CD2	2:6s:265:ASP:C	2.74	0.61
2:6q:267:ASN:O	2:6q:271:THR:HG23	2.01	0.61
2:7p:267:ASN:O	2:7p:271:THR:HG23	2.01	0.61
2:7s:118:ILE:HG23	2:7s:118:ILE:O	2.00	0.61
2:7s:145:ARG:HE	2:7s:159:ASN:ND2	1.98	0.61
2:8y:111:VAL:HG22	2:9J:57:MET:CE	2.28	0.61
2:8y:266:LEU:CG	2:9M:254:SER:CB	2.76	0.61
2:1u:193:LYS:HD3	2:2t:202:SER:HB3	1.82	0.61
2:1w:279:ILE:CA	2:3w:248:GLY:HA3	2.25	0.61
2:2t:118:ILE:HG23	2:2t:118:ILE:O	2.00	0.61
2:2u:242:LEU:CG	2:3v:236:ALA:HA	2.29	0.61
2:2v:267:ASN:O	2:2v:271:THR:HG23	2.01	0.61
2:2x:145:ARG:HE	2:2x:159:ASN:ND2	1.97	0.61
2:3u:229:GLY:O	2:4m:229:GLY:N	2.28	0.61
2:6w:225:MET:O	2:7t:219:LYS:CG	2.42	0.61
2:9J:118:ILE:HG23	2:9J:118:ILE:O	2.00	0.61
1:3E:445:GLY:HA2	2:3f:45:LYS:HB2	1.82	0.61
1:4B:245:GLU:OE1	1:4B:245:GLU:N	2.23	0.61
1:5B:314:ASN:OD1	1:5B:314:ASN:C	2.42	0.61
1:8B:448:ALA:HB3	2:8f:57:MET:CE	2.31	0.61
1:1G:448:ALA:HB3	2:1i:63:TRP:HE1	1.65	0.61
1:4K:202:GLU:O	1:4K:203:PRO:C	2.44	0.61
1:5J:425:LYS:HG3	1:5J:425:LYS:O	2.00	0.61
1:5L:245:GLU:OE1	1:5L:245:GLU:N	2.24	0.61
1:6K:245:GLU:OE1	1:6K:245:GLU:N	2.23	0.61
1:8G:228:GLN:OE1	1:8G:228:GLN:N	2.26	0.61
1:4N:437:ILE:HG22	1:4N:437:ILE:O	2.00	0.61
1:5P:425:LYS:O	1:5P:425:LYS:HG3	2.00	0.61
1:6Q:228:GLN:OE1	1:6Q:228:GLN:N	2.25	0.61
1:8Q:445:GLY:HA2	2:8t:45:LYS:CG	2.31	0.61
1:1U:200:ILE:HG22	1:1U:216:LYS:CD	2.31	0.61
1:2P:392:THR:HA	2:2r:46:ASP:OD2	2.01	0.61
1:4S:245:GLU:OE1	1:4S:245:GLU:N	2.21	0.61
1:7S:28:GLN:HG2	2:6m:52:LEU:HD11	1.77	0.61
1:8S:448:ALA:O	2:8w:59:PRO:HA	2.00	0.61
1:8V:200:ILE:O	1:8V:343:SER:HA	2.00	0.61
1:6c:252:ASP:OD1	1:6c:252:ASP:C	2.43	0.61
1:8Y:230:SER:OG	1:8Y:231:ARG:N	2.34	0.61
2:1e:41:TYR:CZ	2:1l:97:TYR:OH	2.54	0.61
2:1f:244:GLY:HA3	2:3f:242:LEU:HD13	1.83	0.61
2:2a:226:ILE:HD12	2:3f:222:LEU:O	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:201:VAL:HG13	2:3l:210:LEU:CB	2.30	0.61
2:2c:242:LEU:HB3	2:3l:234:LEU:HD11	1.82	0.61
2:2d:193:LYS:HD3	2:3k:201:VAL:C	2.26	0.61
2:2d:231:PRO:HD3	2:3k:229:GLY:N	2.16	0.61
2:3g:273:LEU:CD1	2:2x:273:LEU:HD11	2.31	0.61
2:6e:247:LYS:HB2	2:8i:237:ALA:CB	2.31	0.61
2:6f:99:VAL:CG2	2:6f:109:THR:O	2.41	0.61
2:7d:245:VAL:C	2:9P:242:LEU:HD23	2.25	0.61
2:8e:91:PRO:HB3	2:8e:117:GLU:O	2.00	0.61
2:8g:97:TYR:C	2:8g:110:LEU:CB	2.71	0.61
2:8h:76:ASN:ND2	2:8h:116:LYS:CD	2.59	0.61
2:8h:91:PRO:HB3	2:8h:117:GLU:O	2.00	0.61
2:8h:254:SER:O	2:8l:263:VAL:CG1	2.48	0.61
2:1k:237:ALA:HB3	2:3k:247:LYS:N	2.13	0.61
2:1l:76:ASN:ND2	2:1l:116:LYS:HD2	2.11	0.61
2:1l:116:LYS:HA	2:1l:116:LYS:CE	2.22	0.61
2:2h:118:ILE:HG23	2:2h:118:ILE:O	2.00	0.61
2:4h:73:VAL:HG11	2:3p:28:ILE:CA	2.31	0.61
2:6i:247:LYS:HB2	2:8o:237:ALA:CB	2.31	0.61
2:6i:256:ALA:H	2:8o:263:VAL:CG1	2.13	0.61
2:6k:227:GLY:C	2:7e:223:ARG:NH1	2.55	0.61
2:6k:279:ILE:HG22	2:7e:273:LEU:CD2	2.30	0.61
2:7h:272:VAL:HG12	2:8p:279:ILE:HG21	1.83	0.61
2:7i:57:MET:HE2	2:8l:111:VAL:HG13	1.82	0.61
2:1p:91:PRO:HB3	2:1p:117:GLU:O	2.01	0.61
2:2j:222:LEU:CB	2:1t:226:ILE:HG21	2.31	0.61
2:2k:200:LEU:CG	2:3n:200:LEU:HD11	2.25	0.61
2:2l:118:ILE:O	2:2l:118:ILE:HG23	2.00	0.61
2:5j:238:THR:C	2:7k:247:LYS:HB2	2.26	0.61
2:6m:125:ILE:HG12	2:7q:120:ILE:CD1	2.27	0.61
2:6m:267:ASN:O	2:6m:271:THR:HG23	2.01	0.61
2:6n:200:LEU:HD13	2:5l:200:LEU:CD1	2.30	0.61
2:6o:116:LYS:HA	2:6o:116:LYS:CE	2.22	0.61
2:6o:145:ARG:HE	2:6o:159:ASN:ND2	1.97	0.61
2:8r:267:ASN:O	2:8r:271:THR:HG23	2.01	0.61
2:8s:267:ASN:O	2:8s:271:THR:HG23	2.01	0.61
2:8t:247:LYS:HE3	2:8x:277:GLY:O	2.00	0.61
2:9H:267:ASN:O	2:9H:271:THR:HG23	2.01	0.61
2:1q:242:LEU:HD22	2:1x:244:GLY:O	1.98	0.61
2:1r:230:VAL:HA	2:3r:227:GLY:O	2.00	0.61
2:2q:200:LEU:HD11	2:3q:200:LEU:HD13	1.72	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2r:175:PHE:CZ	2:3x:175:PHE:CZ	2.86	0.61
2:2s:214:PRO:HD2	2:3w:225:MET:CG	2.31	0.61
2:3s:267:ASN:O	2:3s:271:THR:HG23	2.01	0.61
2:5k:267:ASN:O	2:5k:271:THR:HG23	2.01	0.61
2:6q:255:THR:N	2:9K:263:VAL:HG13	2.16	0.61
2:7r:248:GLY:O	2:9L:279:ILE:C	2.43	0.61
2:7r:259:VAL:HG23	2:9L:259:VAL:HG23	1.76	0.61
2:9K:267:ASN:O	2:9K:271:THR:HG23	2.01	0.61
2:1w:226:ILE:C	2:3w:219:LYS:CE	2.74	0.61
2:2v:232:TYR:HB3	2:3u:232:TYR:CD1	2.36	0.61
2:3u:97:TYR:HH	2:4m:41:TYR:HH	1.47	0.61
2:4m:110:LEU:HD13	2:4m:110:LEU:H	1.65	0.61
2:5m:99:VAL:CG2	2:5m:109:THR:O	2.41	0.61
2:6w:91:PRO:HB3	2:6w:117:GLU:O	2.00	0.61
2:6x:97:TYR:C	2:6x:110:LEU:CB	2.71	0.61
2:7v:267:ASN:O	2:7v:271:THR:HG23	2.01	0.61
2:9Q:110:LEU:HD13	2:9Q:110:LEU:H	1.65	0.61
1:1A:252:ASP:OD1	1:1A:252:ASP:C	2.43	0.60
1:1E:203:PRO:C	1:1E:205:SER:N	2.59	0.60
1:2B:356:PRO:HG2	1:2B:369:PHE:CG	2.27	0.60
1:2C:25:ARG:NH2	2:4f:51:ASP:OD2	2.34	0.60
1:3F:314:ASN:OD1	1:3F:314:ASN:C	2.44	0.60
1:5L:428:LEU:HD12	1:5L:428:LEU:C	2.25	0.60
1:8M:408:GLU:OE1	1:8M:408:GLU:HA	2.01	0.60
1:3T:245:GLU:OE1	1:3T:245:GLU:N	2.22	0.60
1:3U:202:GLU:OE2	1:3U:291:GLU:OE2	2.19	0.60
1:4T:437:ILE:O	1:4T:437:ILE:HG22	2.00	0.60
1:8S:392:THR:HG23	2:8w:107:LEU:HG	1.83	0.60
1:9D:445:GLY:HA2	2:9I:53:THR:OG1	1.99	0.60
1:1b:447:GLN:CG	2:1x:60:LEU:HD11	2.31	0.60
1:6a:110:TYR:O	1:6a:110:TYR:CG	2.53	0.60
1:7W:444:GLY:HA3	2:7u:45:LYS:HE3	1.81	0.60
2:1f:247:LYS:N	2:3f:238:THR:O	2.33	0.60
2:1g:148[B]:ILE:HD13	2:3g:148[B]:ILE:HD13	1.83	0.60
2:1g:273:LEU:HD13	2:3g:273:LEU:CD2	2.29	0.60
2:1h:226:ILE:HG21	2:2t:222:LEU:CB	2.31	0.60
2:2Z:267:ASN:O	2:2Z:271:THR:HG23	2.01	0.60
2:4e:97:TYR:C	2:4e:110:LEU:CB	2.71	0.60
2:5e:173:LEU:O	2:6g:162:THR:OG1	2.18	0.60
2:7Z:267:ASN:O	2:7Z:271:THR:HG23	2.01	0.60
2:7c:278:ILE:CD1	2:8j:278:ILE:HG22	2.28	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:267:ASN:O	2:8e:271:THR:HG23	2.01	0.60
2:8h:202:SER:HB3	2:7i:193:LYS:HE2	1.83	0.60
2:2g:118:ILE:HG23	2:2g:118:ILE:O	2.00	0.60
2:2g:267:ASN:O	2:2g:271:THR:HG23	2.01	0.60
2:2h:188:THR:OG1	2:4h:199:LEU:O	2.14	0.60
2:2h:267:ASN:O	2:2h:271:THR:HG23	2.01	0.60
2:2i:266:LEU:HD12	2:3o:266:LEU:CD1	2.31	0.60
2:3k:267:ASN:O	2:3k:271:THR:HG23	2.01	0.60
2:5g:267:ASN:O	2:5g:271:THR:HG23	2.01	0.60
2:6i:91:PRO:HB3	2:6i:117:GLU:O	2.00	0.60
2:6i:251:VAL:HG12	2:8o:279:ILE:HD12	1.72	0.60
2:6k:209:LEU:HD22	2:7e:209:LEU:HD21	1.82	0.60
2:6l:173:LEU:O	2:8p:162:THR:OG1	2.19	0.60
2:6l:248:GLY:O	2:7h:280:SER:N	2.30	0.60
2:7h:248:GLY:HA3	2:8p:279:ILE:HA	1.81	0.60
2:8k:244:GLY:H	2:9G:234:LEU:HD21	1.58	0.60
2:2m:242:LEU:HD11	2:3t:236:ALA:C	2.25	0.60
2:5i:279:ILE:CG2	2:6o:272:VAL:CG1	2.79	0.60
2:6m:158[A]:ILE:HA	2:8u:154:ALA:HB1	1.83	0.60
2:7m:254:SER:CB	2:8v:267:ASN:CG	2.73	0.60
2:7n:120:ILE:HG21	2:8r:120:ILE:HD13	1.83	0.60
2:8t:231:PRO:HD3	2:8x:227:GLY:O	2.01	0.60
2:1q:235:PRO:O	2:2o:242:LEU:HD11	1.97	0.60
2:1s:99:VAL:CG2	2:1s:109:THR:O	2.41	0.60
2:2p:118:ILE:HG23	2:2p:118:ILE:O	2.00	0.60
2:2r:226:ILE:C	2:3x:223:ARG:N	2.59	0.60
2:5k:254:SER:HB3	2:7o:266:LEU:CD2	2.30	0.60
2:6q:150:GLU:CD	2:7v:141:PRO:HB2	2.26	0.60
2:6r:228:ALA:HB1	2:5n:228:ALA:CB	2.25	0.60
2:6s:206:VAL:HG11	2:7o:210:LEU:CA	2.22	0.60
2:6s:279:ILE:HG22	2:7o:273:LEU:CD2	2.30	0.60
2:6t:110:LEU:HD13	2:6t:110:LEU:H	1.65	0.60
2:6t:251:VAL:CG1	2:7r:279:ILE:HD12	2.30	0.60
2:1u:267:ASN:O	2:1u:271:THR:HG23	2.01	0.60
2:1w:267:ASN:O	2:1w:271:THR:HG23	2.01	0.60
2:1x:91:PRO:HB3	2:1x:117:GLU:O	2.01	0.60
2:3u:267:ASN:O	2:3u:271:THR:HG23	2.01	0.60
2:3v:99:VAL:CG2	2:3v:109:THR:O	2.41	0.60
2:3w:267:ASN:O	2:3w:271:THR:HG23	2.01	0.60
2:5m:259:VAL:HG11	2:6w:258:ASP:O	1.98	0.60
2:7u:267:ASN:O	2:7u:271:THR:HG23	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1D:448:ALA:C	2:1h:41:TYR:HE1	2.07	0.60
1:3C:202:GLU:HG2	1:3C:202:GLU:O	2.01	0.60
1:4D:245:GLU:OE1	1:4D:245:GLU:N	2.22	0.60
1:8D:200:ILE:O	1:8D:343:SER:HA	2.00	0.60
1:5K:228:GLN:OE1	1:5K:228:GLN:N	2.23	0.60
1:8O:230:SER:OG	1:8O:231:ARG:N	2.34	0.60
1:1W:212:GLU:HG3	1:1X:372:TYR:CZ	2.36	0.60
1:4W:392:THR:HG21	2:4k:16:TYR:HD1	1.65	0.60
1:6W:445:GLY:HA2	2:6r:44:VAL:HB	0.73	0.60
1:1c:203:PRO:C	1:1c:205:SER:N	2.58	0.60
1:5b:354:VAL:O	1:5b:354:VAL:CG1	2.46	0.60
1:8Y:408:GLU:OE1	1:8Y:408:GLU:HA	2.01	0.60
2:1f:244:GLY:CA	2:3f:242:LEU:HD13	2.31	0.60
2:1h:148[B]:ILE:CD1	2:2t:148[B]:ILE:CD1	2.80	0.60
2:3h:210:LEU:CB	2:2w:201:VAL:HG13	2.30	0.60
2:4f:267:ASN:O	2:4f:271:THR:HG23	2.01	0.60
2:6e:140:THR:C	2:8i:131:THR:OG1	2.45	0.60
2:6e:150:GLU:CD	2:7g:141:PRO:HB2	2.26	0.60
2:6f:97:TYR:C	2:6f:110:LEU:CB	2.71	0.60
2:7a:229:GLY:H	2:6v:229:GLY:C	1.97	0.60
2:7a:239:THR:HG22	2:6v:247:LYS:C	2.16	0.60
2:7b:23:GLN:NE2	2:9Q:74:GLY:C	2.58	0.60
2:7d:247:LYS:CB	2:9P:239:THR:CG2	2.77	0.60
2:8f:263:VAL:CG1	2:9P:254:SER:O	2.48	0.60
2:8f:267:ASN:O	2:8f:271:THR:HG23	2.01	0.60
2:9F:118:ILE:O	2:9F:118:ILE:HG23	2.00	0.60
2:1i:267:ASN:O	2:1i:271:THR:HG23	2.01	0.60
2:1j:230:VAL:HA	2:3j:227:GLY:O	2.00	0.60
2:1k:266:LEU:HD11	2:3k:265:ASP:O	2.00	0.60
2:2g:228:ALA:CA	2:4g:229:GLY:O	2.48	0.60
2:2i:190:ASP:OD1	2:3o:202:SER:OG	2.13	0.60
2:2i:232:TYR:HB3	2:3o:232:TYR:CD1	2.36	0.60
2:3i:229:GLY:O	2:4g:229:GLY:N	2.28	0.60
2:6i:251:VAL:HG12	2:8o:279:ILE:CD1	2.21	0.60
2:7e:267:ASN:O	2:7e:271:THR:HG23	2.01	0.60
2:7f:118:ILE:O	2:7f:118:ILE:HG23	2.00	0.60
2:7g:145:ARG:HE	2:7g:159:ASN:ND2	1.97	0.60
2:7h:118:ILE:HG23	2:7h:118:ILE:O	2.00	0.60
2:8m:232:TYR:HD2	2:9H:232:TYR:CE1	2.19	0.60
2:8m:270:ILE:CD1	2:8q:252:THR:O	2.47	0.60
2:8n:247:LYS:HE3	2:8r:277:GLY:O	2.00	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9G:145:ARG:HE	2:9G:159:ASN:ND2	1.97	0.60
2:1m:222:LEU:O	2:2j:226:ILE:HD12	2.00	0.60
2:2k:120:ILE:HD13	2:3n:120:ILE:HD13	1.78	0.60
2:2m:119:SER:HA	2:4j:124:ASP:O	2.01	0.60
2:4j:76:ASN:ND2	2:4j:116:LYS:HD2	2.11	0.60
2:4j:267:ASN:O	2:4j:271:THR:HG23	2.01	0.60
2:6n:242:LEU:O	2:5l:234:LEU:HD23	2.01	0.60
2:6o:127:ASP:OD1	2:7j:121[B]:GLU:HA	1.99	0.60
2:6o:225:MET:O	2:7j:219:LYS:CG	2.42	0.60
2:6o:242:LEU:O	2:7j:234:LEU:HD22	1.93	0.60
2:6p:267:ASN:O	2:6p:271:THR:HG23	2.01	0.60
2:7l:145:ARG:HE	2:7l:159:ASN:ND2	1.97	0.60
2:8v:267:ASN:O	2:8v:271:THR:HG23	2.01	0.60
2:1q:222:LEU:O	2:2o:226:ILE:HD12	2.00	0.60
2:1r:244:GLY:HA3	2:3r:242:LEU:HD13	1.83	0.60
2:4l:73:VAL:HG11	2:3x:28:ILE:CA	2.31	0.60
2:5l:116:LYS:HA	2:5l:116:LYS:CE	2.22	0.60
2:5l:267:ASN:O	2:5l:271:THR:HG23	2.01	0.60
2:6t:173:LEU:O	2:9L:162:THR:OG1	2.19	0.60
2:7o:267:ASN:O	2:7o:271:THR:HG23	2.01	0.60
2:7r:267:ASN:O	2:7r:271:THR:HG23	2.01	0.60
2:8w:232:TYR:CD1	2:9I:232:TYR:CB	2.75	0.60
2:1w:99:VAL:CG2	2:1w:109:THR:O	2.41	0.60
2:3x:267:ASN:O	2:3x:271:THR:HG23	2.01	0.60
2:6w:76:ASN:ND2	2:6w:116:LYS:CD	2.59	0.60
2:7w:158[B]:ILE:HG22	2:9R:149[B]:ILE:HG23	1.81	0.60
2:9N:99:VAL:CG2	2:9N:109:THR:O	2.41	0.60
2:9P:91:PRO:HB3	2:9P:117:GLU:O	2.00	0.60
2:9J:267:ASN:O	2:9J:271:THR:HG23	2.01	0.60
1:3C:447:GLN:CG	2:3h:44:VAL:HG21	2.26	0.60
1:6F:447:GLN:C	2:6e:56:ASN:C	2.64	0.60
1:4R:445:GLY:N	2:4j:44:VAL:HG22	2.15	0.60
1:7L:28:GLN:OE1	2:8v:27:ILE:CD1	2.43	0.60
1:8Q:245:GLU:OE1	1:8Q:245:GLU:N	2.27	0.60
1:1S:252:ASP:OD1	1:1S:252:ASP:C	2.43	0.60
1:4W:124:MET:SD	1:4W:124:MET:N	2.74	0.60
1:5V:425:LYS:O	1:5V:425:LYS:HG3	2.00	0.60
1:6V:423:GLU:OE1	1:6V:423:GLU:N	2.27	0.60
1:1Z:245:GLU:OE1	1:1Z:245:GLU:N	2.24	0.60
1:3a:423:GLU:OE1	1:3a:423:GLU:N	2.26	0.60
1:4a:88:LYS:O	1:4a:88:LYS:HG3	2.00	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:110:LEU:HD13	2:1e:110:LEU:H	1.65	0.60
2:1f:239:THR:HG22	2:2a:247:LYS:C	2.25	0.60
2:1f:244:GLY:HA3	2:3f:242:LEU:CD1	2.27	0.60
2:1g:111:VAL:HG22	2:2x:57:MET:HE2	1.82	0.60
2:1g:267:ASN:O	2:1g:271:THR:HG23	2.01	0.60
2:2Z:222:LEU:CB	2:1l:226:ILE:HG21	2.31	0.60
2:2d:273:LEU:HD11	2:3k:273:LEU:CD1	2.31	0.60
2:3e:267:ASN:O	2:3e:271:THR:HG23	2.01	0.60
2:3g:266:LEU:CD1	2:2x:266:LEU:HD12	2.31	0.60
2:3g:267:ASN:O	2:3g:271:THR:HG23	2.01	0.60
2:4f:73:VAL:HG11	2:3l:28:ILE:CA	2.31	0.60
2:4f:116:LYS:HA	2:4f:116:LYS:CE	2.22	0.60
2:5e:126:LYS:HG3	2:6g:119:SER:HB3	1.84	0.60
2:6f:244:GLY:O	2:7f:242:LEU:CD2	2.44	0.60
2:7c:248:GLY:O	2:8j:279:ILE:C	2.43	0.60
2:8f:227:GLY:O	2:9P:231:PRO:HD3	2.01	0.60
2:9F:227:GLY:O	2:9O:230:VAL:HG12	2.00	0.60
2:1j:200:LEU:HD22	2:2f:200:LEU:CD1	2.31	0.60
2:2f:199:LEU:HD13	2:3j:183:PHE:CE1	2.34	0.60
2:2f:226:ILE:HD12	2:3j:222:LEU:O	2.00	0.60
2:2h:202:SER:N	2:3p:197:GLN:HE21	1.98	0.60
2:2i:148[A]:ILE:HD13	2:3o:148[A]:ILE:HD13	1.82	0.60
2:3i:267:ASN:O	2:3i:271:THR:HG23	2.01	0.60
2:4g:267:ASN:O	2:4g:271:THR:HG23	2.01	0.60
2:5g:226:ILE:CD1	2:7e:226:ILE:CD1	2.70	0.60
2:5h:267:ASN:O	2:5h:271:THR:HG23	2.01	0.60
2:8k:278:ILE:HG23	2:9G:278:ILE:CB	2.17	0.60
2:8p:91:PRO:HB3	2:8p:117:GLU:O	2.00	0.60
2:1n:239:THR:HA	2:2k:247:LYS:N	2.16	0.60
2:1n:244:GLY:CA	2:3n:242:LEU:HD13	2.31	0.60
2:2j:157:LEU:HD12	2:1t:173:LEU:HB3	1.83	0.60
2:2k:199:LEU:HD13	2:3n:183:PHE:CE1	2.34	0.60
2:2l:232:TYR:HB3	2:3m:232:TYR:CD1	2.37	0.60
2:2n:193:LYS:HD3	2:3s:201:VAL:N	2.17	0.60
2:3m:91:PRO:HB3	2:3m:117:GLU:O	2.00	0.60
2:4j:76:ASN:ND2	2:4j:116:LYS:CD	2.59	0.60
2:7m:158[B]:ILE:HG22	2:8v:149[B]:ILE:HG23	1.81	0.60
2:8q:174:LEU:HD22	2:9H:170:LEU:CB	2.19	0.60
2:8s:242:LEU:HG	2:8w:246:LYS:HE2	1.82	0.60
2:1q:99:VAL:CG2	2:1q:109:THR:O	2.40	0.60
2:1q:193:LYS:HD3	2:2o:202:SER:HB3	1.82	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:280:SER:HB2	2:3s:249:ALA:C	2.24	0.60
2:2s:57:MET:HB3	2:1w:61:ALA:HB3	1.82	0.60
2:2s:266:LEU:HD12	2:3w:266:LEU:CD1	2.30	0.60
2:3q:8:ARG:O	2:3q:8:ARG:CG	2.44	0.60
2:3s:116:LYS:HA	2:3s:116:LYS:CE	2.22	0.60
2:3t:267:ASN:O	2:3t:271:THR:HG23	2.01	0.60
2:6r:236:ALA:CA	2:7u:242:LEU:CD1	2.79	0.60
2:6s:225:MET:O	2:7o:219:LYS:CG	2.43	0.60
2:6t:267:ASN:O	2:6t:271:THR:HG23	2.01	0.60
2:9I:267:ASN:O	2:9I:271:THR:HG23	2.01	0.60
2:2u:62:ALA:HA	2:2u:110:LEU:O	1.99	0.60
2:2u:226:ILE:HG13	2:3v:223:ARG:CG	2.28	0.60
2:2x:118:ILE:O	2:2x:118:ILE:HG23	2.00	0.60
2:2x:267:ASN:O	2:2x:271:THR:HG23	2.01	0.60
2:6w:225:MET:SD	2:7t:209:LEU:CD1	2.72	0.60
2:9N:267:ASN:O	2:9N:271:THR:HG23	2.01	0.60
2:9R:76:ASN:ND2	2:9R:116:LYS:HD2	2.11	0.60
2:9R:267:ASN:O	2:9R:271:THR:HG23	2.01	0.60
1:4A:200:ILE:HG22	1:4A:216:LYS:HD3	1.84	0.60
1:4E:202:GLU:O	1:4E:203:PRO:C	2.44	0.60
1:5F:448:ALA:HA	2:5f:41:TYR:CD1	2.36	0.60
1:1G:447:GLN:HG3	2:1i:44:VAL:CG2	2.31	0.60
1:6H:314:ASN:OD1	1:6H:314:ASN:C	2.43	0.60
1:8G:447:GLN:HG3	2:8k:44:VAL:CG1	2.29	0.60
1:3O:202:GLU:HG2	1:3O:202:GLU:O	2.01	0.60
1:3O:447:GLN:N	2:3p:42:VAL:O	2.18	0.60
1:6P:282:ILE:HD12	1:6P:282:ILE:C	2.25	0.60
1:7L:448:ALA:HB2	2:7l:41:TYR:CD1	2.36	0.60
1:1U:444:GLY:CA	2:1s:45:LYS:CE	2.79	0.60
1:5W:228:GLN:OE1	1:5W:228:GLN:N	2.23	0.60
1:6V:282:ILE:C	1:6V:282:ILE:HD12	2.25	0.60
1:1a:200:ILE:HG22	1:1a:216:LYS:CD	2.31	0.60
1:1c:212:GLU:HG3	1:1d:372:TYR:CZ	2.36	0.60
1:8Z:447:GLN:HG2	2:9N:44:VAL:CG2	2.32	0.60
2:1h:91:PRO:HB3	2:1h:117:GLU:O	2.00	0.60
2:2Z:273:LEU:HD23	2:1l:279:ILE:HG22	1.82	0.60
2:2b:232:TYR:HB3	2:3e:232:TYR:CD1	2.36	0.60
2:2d:246:LYS:HZ3	2:3k:240:THR:C	2.06	0.60
2:3h:223:ARG:N	2:2w:226:ILE:C	2.59	0.60
2:6e:267:ASN:O	2:6e:271:THR:HG23	2.01	0.60
2:6f:110:LEU:HD13	2:6f:110:LEU:H	1.65	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7b:118:ILE:O	2:7b:118:ILE:HG23	2.00	0.60
2:7b:141:PRO:HB2	2:6u:150:GLU:CD	2.26	0.60
2:7c:158[B]:ILE:HG22	2:8j:149[B]:ILE:HG23	1.81	0.60
2:7c:267:ASN:O	2:7c:271:THR:HG23	2.01	0.60
2:1k:277:GLY:HA2	2:3k:247:LYS:CE	2.24	0.60
2:2e:210:LEU:CD2	2:1p:206:VAL:CG1	2.76	0.60
2:2i:193:LYS:HD3	2:3o:201:VAL:N	2.16	0.60
2:5h:76:ASN:ND2	2:5h:116:LYS:CD	2.59	0.60
2:6j:242:LEU:HD22	2:5j:244:GLY:CA	2.31	0.60
2:6j:248:GLY:O	2:7k:280:SER:OG	2.11	0.60
2:6k:91:PRO:HB3	2:6k:117:GLU:O	2.00	0.60
2:7h:184:LEU:HD21	2:8p:184:LEU:HD21	1.82	0.60
2:8n:202:SER:HB3	2:7n:193:LYS:HE2	1.83	0.60
2:1m:226:ILE:O	2:1t:223:ARG:HG3	2.02	0.60
2:1m:267:ASN:O	2:1m:271:THR:HG23	2.01	0.60
2:2m:27:ILE:HA	2:3t:73:VAL:HG11	1.82	0.60
2:5i:259:VAL:HG13	2:6o:258:ASP:C	2.21	0.60
2:5i:267:ASN:O	2:5i:271:THR:HG23	2.01	0.60
2:6m:148[B]:ILE:CD1	2:8u:148[B]:ILE:CD1	2.78	0.60
2:6n:110:LEU:HD13	2:6n:110:LEU:H	1.65	0.60
2:6p:148[B]:ILE:HD11	2:7m:148[B]:ILE:CD1	2.31	0.60
2:7m:118:ILE:O	2:7m:118:ILE:HG23	2.00	0.60
2:8s:230:VAL:HG12	2:9l:227:GLY:O	2.00	0.60
2:8v:76:ASN:ND2	2:8v:116:LYS:CD	2.59	0.60
2:1s:277:GLY:HA2	2:3s:247:LYS:CE	2.25	0.60
2:2o:61:ALA:HB1	2:1x:57:MET:HB3	1.82	0.60
2:2o:219:LYS:CG	2:1x:225:MET:O	2.43	0.60
2:2s:267:ASN:O	2:2s:271:THR:HG23	2.01	0.60
2:5k:111:VAL:HG21	2:7o:57:MET:CE	2.31	0.60
2:6r:246:LYS:HE2	2:7u:240:THR:C	2.25	0.60
2:1u:235:PRO:C	2:2t:242:LEU:HD11	2.26	0.60
2:2v:214:PRO:HG2	2:3u:225:MET:O	2.00	0.60
2:5m:269:LEU:CG	2:6w:269:LEU:CD2	2.76	0.60
2:6u:140:THR:C	2:9Q:131:THR:OG1	2.45	0.60
2:6w:267:ASN:O	2:6w:271:THR:HG23	2.01	0.60
2:7w:148[B]:ILE:HD13	2:9R:148[B]:ILE:HD13	1.81	0.60
2:9Q:97:TYR:C	2:9Q:110:LEU:CB	2.71	0.60
1:7A:407:ASN:HB2	2:7d:45:LYS:CG	2.30	0.60
1:7A:448:ALA:O	2:7d:60:LEU:HD12	2.01	0.60
1:3l:444:GLY:H	2:3l:45:LYS:NZ	1.99	0.60
1:6G:202:GLU:O	1:6G:209:ALA:CB	2.50	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7J:384:VAL:HG13	2:7h:106:GLN:NE2	2.16	0.60
1:1Q:212:GLU:HG3	1:1R:372:TYR:CZ	2.36	0.60
1:3Q:448:ALA:HB3	2:3n:41:TYR:CD2	2.35	0.60
1:3R:448:ALA:HA	2:3m:41:TYR:HD1	1.67	0.60
1:6P:245:GLU:OE1	1:6P:245:GLU:N	2.24	0.60
1:8N:446:ALA:H	2:8r:44:VAL:H	1.47	0.60
1:8Q:314:ASN:OD1	1:8Q:314:ASN:C	2.43	0.60
1:1V:448:ALA:C	2:1t:57:MET:SD	2.84	0.60
1:2P:447:GLN:O	2:2r:41:TYR:HD1	1.79	0.60
1:2Q:356:PRO:CG	1:2Q:369:PHE:CE2	2.73	0.60
1:4U:245:GLU:OE1	1:4U:245:GLU:N	2.24	0.60
1:5X:446:ALA:HB1	2:5l:56:ASN:CB	2.23	0.60
1:6W:252:ASP:C	1:6W:252:ASP:OD1	2.43	0.60
1:9D:137:GLN:HG3	1:9D:137:GLN:O	2.02	0.60
1:2Y:448:ALA:O	2:2x:58:TYR:O	2.19	0.60
1:3a:202:GLU:OE2	1:3a:291:GLU:OE2	2.19	0.60
1:9E:137:GLN:HG3	1:9E:137:GLN:O	2.02	0.60
2:2a:242:LEU:CG	2:3f:236:ALA:HA	2.29	0.60
2:2d:232:TYR:HB3	2:3k:232:TYR:CD1	2.36	0.60
2:2d:267:ASN:O	2:2d:271:THR:HG23	2.01	0.60
2:3f:267:ASN:O	2:3f:271:THR:HG23	2.01	0.60
2:3g:229:GLY:N	2:2x:231:PRO:HD3	2.16	0.60
2:3h:28:ILE:CA	2:4n:73:VAL:HG11	2.31	0.60
2:5e:266:LEU:HD21	2:6g:265:ASP:CA	2.31	0.60
2:6f:247:LYS:N	2:7f:238:THR:C	2.43	0.60
2:8e:253:ALA:CA	2:9O:270:ILE:HD12	2.25	0.60
2:1j:267:ASN:O	2:1j:271:THR:HG23	2.01	0.60
2:2e:145:ARG:HE	2:2e:159:ASN:ND2	1.97	0.60
2:2f:118:ILE:HG23	2:2f:118:ILE:O	2.00	0.60
2:2g:232:TYR:HB3	2:3i:232:TYR:CD1	2.36	0.60
2:4h:116:LYS:HA	2:4h:116:LYS:CE	2.22	0.60
2:6i:267:ASN:O	2:6i:271:THR:HG23	2.01	0.60
2:6j:236:ALA:CA	2:7k:242:LEU:CD1	2.79	0.60
2:7f:267:ASN:O	2:7f:271:THR:HG23	2.01	0.60
2:8p:267:ASN:O	2:8p:271:THR:HG23	2.01	0.60
2:9G:267:ASN:O	2:9G:271:THR:HG23	2.01	0.60
2:1o:280:SER:HB2	2:3o:249:ALA:C	2.24	0.60
2:1p:76:ASN:ND2	2:1p:116:LYS:CD	2.59	0.60
2:1p:267:ASN:O	2:1p:271:THR:HG23	2.01	0.60
2:2l:267:ASN:O	2:2l:271:THR:HG23	2.01	0.60
2:2n:193:LYS:HD3	2:3s:201:VAL:C	2.26	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3p:110:LEU:HD13	2:3p:110:LEU:H	1.65	0.60
2:5i:254:SER:HB3	2:7j:266:LEU:CD2	2.31	0.60
2:6m:255:THR:N	2:8u:263:VAL:HG13	2.16	0.60
2:6m:256:ALA:H	2:8u:263:VAL:CG1	2.13	0.60
2:6o:279:ILE:HG22	2:7j:273:LEU:CD2	2.30	0.60
2:8s:183:PHE:HD1	2:9I:199:LEU:HB3	1.67	0.60
2:8s:247:LYS:HG2	2:9I:239:THR:HG23	1.76	0.60
2:1s:267:ASN:O	2:1s:271:THR:HG23	2.01	0.60
2:2s:273:LEU:HD11	2:3w:273:LEU:CD1	2.31	0.60
2:3q:267:ASN:O	2:3q:271:THR:HG23	2.01	0.60
2:4l:267:ASN:O	2:4l:271:THR:HG23	2.01	0.60
2:6r:97:TYR:C	2:6r:110:LEU:CB	2.71	0.60
2:7r:140:THR:C	2:9L:131:THR:OG1	2.45	0.60
2:8w:270:ILE:H	2:9I:269:LEU:CD2	2.08	0.60
2:8z:231:PRO:HD3	2:9N:227:GLY:O	2.01	0.60
2:9L:267:ASN:O	2:9L:271:THR:HG23	2.01	0.60
2:1v:244:GLY:HA3	2:3v:242:LEU:CD1	2.27	0.60
2:3v:267:ASN:O	2:3v:271:THR:HG23	2.01	0.60
2:3x:110:LEU:HD13	2:3x:110:LEU:H	1.65	0.60
2:4n:76:ASN:ND2	2:4n:116:LYS:CD	2.59	0.60
2:6u:247:LYS:HB2	2:9Q:237:ALA:CB	2.31	0.60
2:6v:267:ASN:O	2:6v:271:THR:HG23	2.01	0.60
2:7w:262:ALA:HA	2:9R:263:VAL:HG22	1.83	0.60
2:7w:266:LEU:H	2:9R:266:LEU:HD22	1.66	0.60
2:9P:76:ASN:ND2	2:9P:116:LYS:HD2	2.11	0.60
1:1E:245:GLU:OE1	1:1E:245:GLU:N	2.29	0.60
1:6A:202:GLU:O	1:6A:209:ALA:CB	2.50	0.60
1:6C:252:ASP:OD1	1:6C:252:ASP:C	2.42	0.60
1:6F:445:GLY:C	2:6e:44:VAL:CG2	2.65	0.60
1:1K:207:THR:CB	1:1L:355:SER:OG	2.49	0.60
1:3J:63:THR:HG22	1:3J:63:THR:O	1.98	0.60
1:1O:245:GLU:OE1	1:1O:245:GLU:N	2.24	0.60
1:5P:252:ASP:OD1	1:5P:252:ASP:C	2.44	0.60
1:8R:445:GLY:O	2:8s:44:VAL:HG23	2.02	0.60
1:5V:252:ASP:C	1:5V:252:ASP:OD1	2.44	0.60
1:5X:444:GLY:H	2:5l:45:LYS:HG2	1.66	0.60
1:6S:202:GLU:O	1:6S:209:ALA:CB	2.50	0.60
1:6S:425:LYS:HG3	1:6S:425:LYS:O	2.02	0.60
1:7P:25:ARG:HH21	2:6s:53:THR:CB	2.14	0.60
1:8S:408:GLU:HA	1:8S:408:GLU:OE1	2.01	0.60
1:8V:447:GLN:CG	2:9K:44:VAL:HG22	2.29	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5d:444:GLY:N	2:5n:44:VAL:CG2	2.63	0.60
2:1f:239:THR:HA	2:2a:247:LYS:N	2.16	0.60
2:1f:267:ASN:O	2:1f:271:THR:HG23	2.01	0.60
2:1h:173:LEU:HB3	2:2t:157:LEU:HD12	1.83	0.60
2:1h:267:ASN:O	2:1h:271:THR:HG23	2.01	0.60
2:2a:267:ASN:O	2:2a:271:THR:HG23	2.01	0.60
2:2b:219:LYS:HG2	2:3e:225:MET:C	2.22	0.60
2:2d:57:MET:HB3	2:1k:61:ALA:HB3	1.82	0.60
2:3h:234:LEU:HD11	2:2w:242:LEU:HB3	1.81	0.60
2:4f:97:TYR:OH	2:3l:41:TYR:CZ	2.55	0.60
2:7d:223:ARG:HG2	2:9P:226:ILE:O	2.01	0.60
2:5g:259:VAL:HG13	2:6k:258:ASP:C	2.20	0.60
2:6k:232:TYR:OH	2:7e:232:TYR:HE2	1.84	0.60
2:1o:226:ILE:C	2:3o:219:LYS:CE	2.74	0.60
2:2j:61:ALA:HB1	2:1t:57:MET:HB3	1.82	0.60
2:2j:183:PHE:CZ	2:1t:196:LEU:CD2	2.84	0.60
2:2n:266:LEU:HD12	2:3s:266:LEU:CD1	2.31	0.60
2:5i:110:LEU:HD13	2:5i:110:LEU:H	1.65	0.60
2:5i:126:LYS:HG3	2:6o:119:SER:HB3	1.84	0.60
2:5i:266:LEU:CD2	2:6o:265:ASP:C	2.74	0.60
2:6m:150:GLU:CD	2:7q:141:PRO:HB2	2.26	0.60
2:6n:236:ALA:CA	2:7p:242:LEU:CD1	2.80	0.60
2:7n:118:ILE:O	2:7n:118:ILE:HG23	2.00	0.60
2:8q:175:PHE:HD1	2:9H:171:GLN:CD	2.03	0.60
2:8r:97:TYR:C	2:8r:110:LEU:CB	2.71	0.60
2:8s:97:TYR:C	2:8s:110:LEU:CB	2.71	0.60
2:1q:110:LEU:HD13	2:1q:110:LEU:H	1.65	0.60
2:2o:222:LEU:CB	2:1x:226:ILE:HG21	2.31	0.60
2:2r:118:ILE:HG23	2:2r:118:ILE:O	2.00	0.60
2:2r:201:VAL:HG13	2:3x:210:LEU:CB	2.30	0.60
2:2r:267:ASN:O	2:2r:271:THR:HG23	2.01	0.60
2:5l:238:THR:C	2:7p:247:LYS:HB2	2.26	0.60
2:6q:158[A]:ILE:HA	2:9K:154:ALA:HB1	1.83	0.60
2:8w:91:PRO:HB3	2:8w:117:GLU:O	2.00	0.60
2:8w:279:ILE:HB	2:9I:272:VAL:HG12	1.76	0.60
2:8z:267:ASN:O	2:8z:271:THR:HG23	2.01	0.60
2:9L:76:ASN:ND2	2:9L:116:LYS:CD	2.59	0.60
2:2t:267:ASN:O	2:2t:271:THR:HG23	2.01	0.60
2:2v:232:TYR:CE2	2:3u:232:TYR:OH	2.50	0.60
2:3w:76:ASN:ND2	2:3w:116:LYS:CD	2.59	0.60
2:3x:97:TYR:C	2:3x:110:LEU:CB	2.71	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5m:267:ASN:O	2:5m:271:THR:HG23	2.01	0.60
2:6u:91:PRO:HB3	2:6u:117:GLU:O	2.00	0.60
2:7x:267:ASN:O	2:7x:271:THR:HG23	2.01	0.60
2:9M:91:PRO:HB3	2:9M:117:GLU:O	2.00	0.60
2:9N:110:LEU:HD13	2:9N:110:LEU:H	1.65	0.60
1:1E:207:THR:CB	1:1F:355:SER:OG	2.49	0.60
1:4B:203:PRO:HA	1:4B:212:GLU:OE1	2.01	0.60
1:5A:245:GLU:OE1	1:5A:245:GLU:N	2.23	0.60
1:6A:274:ASP:OD1	1:6A:274:ASP:C	2.45	0.60
1:7A:448:ALA:CB	2:7d:58:TYR:H	2.13	0.60
1:8A:408:GLU:OE1	1:8A:408:GLU:HA	2.01	0.60
1:1I:245:GLU:OE1	1:1I:245:GLU:N	2.24	0.60
1:1K:245:GLU:OE1	1:1K:245:GLU:N	2.29	0.60
1:4K:443:SER:OG	2:4g:56:ASN:OD1	2.18	0.60
1:5K:203:PRO:O	1:5K:204:THR:HB	2.02	0.60
1:6K:448:ALA:HB2	2:6j:41:TYR:HD2	1.67	0.60
1:3R:448:ALA:CB	2:3m:41:TYR:CE1	2.78	0.60
1:4N:203:PRO:HA	1:4N:212:GLU:OE1	2.01	0.60
1:7L:444:GLY:N	2:7l:45:LYS:NZ	2.50	0.60
1:1S:446:ALA:CB	2:1q:19:LEU:HD12	2.32	0.60
1:3U:202:GLU:CG	1:3U:343:SER:HB3	2.32	0.60
1:3U:202:GLU:O	1:3U:202:GLU:HG2	2.01	0.60
1:4T:154:VAL:O	1:4T:154:VAL:CG1	2.49	0.60
1:5W:445:GLY:HA2	2:5k:45:LYS:H	1.64	0.60
1:6Z:355:SER:HB3	1:6Z:356:PRO:HD3	1.84	0.60
1:6c:446:ALA:N	2:6v:44:VAL:CG2	2.64	0.60
1:7U:448:ALA:C	2:7x:60:LEU:HG	2.26	0.60
1:8Y:137:GLN:HG3	1:8Y:137:GLN:O	2.02	0.60
2:1h:206:VAL:CG1	2:2t:210:LEU:CD2	2.76	0.60
2:2Z:59:PRO:O	2:1l:59:PRO:HG2	2.02	0.60
2:2Z:157:LEU:HD12	2:1l:173:LEU:HB3	1.83	0.60
2:2c:226:ILE:HD12	2:3l:223:ARG:CA	2.25	0.60
2:3h:267:ASN:O	2:3h:271:THR:HG23	2.01	0.60
2:5f:76:ASN:ND2	2:5f:116:LYS:CD	2.59	0.60
2:5f:244:GLY:CA	2:6v:242:LEU:HD22	2.31	0.60
2:7a:201:VAL:HA	2:6v:197:GLN:NE2	2.17	0.60
2:7c:140:THR:C	2:8j:131:THR:OG1	2.45	0.60
2:7d:193:LYS:HE2	2:9P:202:SER:HB3	1.83	0.60
2:1k:280:SER:CA	2:3k:249:ALA:C	2.74	0.60
2:2i:267:ASN:O	2:2i:271:THR:HG23	2.01	0.60
2:3j:110:LEU:HD13	2:3j:110:LEU:H	1.65	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:140:THR:C	2:8o:131:THR:OG1	2.45	0.60
2:6j:242:LEU:O	2:5j:234:LEU:HD23	2.01	0.60
2:7e:118:ILE:O	2:7e:118:ILE:HG23	2.00	0.60
2:7h:140:THR:C	2:8p:131:THR:OG1	2.45	0.60
2:8k:240:THR:C	2:9G:246:LYS:CE	2.74	0.60
2:8k:241:THR:N	2:9G:246:LYS:NZ	2.49	0.60
2:8n:228:ALA:HB1	2:7n:228:ALA:CB	2.27	0.60
2:8o:267:ASN:O	2:8o:271:THR:HG23	2.01	0.60
2:2l:210:LEU:CD2	2:3m:206:VAL:HG11	2.30	0.60
2:2n:273:LEU:CD2	2:3s:279:ILE:HG21	2.32	0.60
2:2n:273:LEU:HD11	2:3s:273:LEU:CD1	2.31	0.60
2:4j:73:VAL:HG11	2:3t:28:ILE:CA	2.31	0.60
2:6n:197:GLN:NE2	2:7p:200:LEU:O	2.33	0.60
2:7j:267:ASN:O	2:7j:271:THR:HG23	2.01	0.60
2:8s:110:LEU:HD13	2:8s:110:LEU:H	1.65	0.60
2:8s:120:ILE:CD1	2:9I:120:ILE:CD1	2.61	0.60
2:8s:175:PHE:HZ	2:9I:175:PHE:HZ	1.50	0.60
2:2s:273:LEU:CD2	2:3w:279:ILE:HG21	2.31	0.60
2:7r:272:VAL:HG12	2:9L:279:ILE:HG21	1.83	0.60
2:8y:110:LEU:HD13	2:8y:110:LEU:H	1.65	0.60
2:8z:76:ASN:ND2	2:8z:116:LYS:CD	2.59	0.60
2:1v:244:GLY:HA3	2:3v:242:LEU:HD13	1.83	0.60
2:1v:244:GLY:CA	2:3v:242:LEU:HD13	2.31	0.60
2:1w:148[B]:ILE:HD13	2:3w:148[B]:ILE:HD13	1.83	0.60
2:1w:280:SER:CA	2:3w:249:ALA:C	2.74	0.60
2:2w:267:ASN:O	2:2w:271:THR:HG23	2.01	0.60
2:4n:267:ASN:O	2:4n:271:THR:HG23	2.01	0.60
2:5m:141:PRO:HD3	2:7t:131:THR:OG1	2.02	0.60
2:9Q:267:ASN:O	2:9Q:271:THR:HG23	2.01	0.60
1:1B:445:GLY:HA2	2:1f:45:LYS:HG2	1.82	0.60
1:1E:212:GLU:HG3	1:1F:372:TYR:CZ	2.36	0.60
1:9A:28:GLN:CD	2:8w:27:ILE:HD11	2.18	0.60
1:1K:203:PRO:C	1:1K:205:SER:N	2.59	0.60
1:2G:110:TYR:O	1:2G:110:TYR:CG	2.54	0.60
1:4H:154:VAL:O	1:4H:154:VAL:CG1	2.49	0.60
1:8G:230:SER:OG	1:8G:231:ARG:N	2.34	0.60
1:3O:202:GLU:OE2	1:3O:291:GLU:OE2	2.19	0.60
1:3R:314:ASN:OD1	1:3R:314:ASN:C	2.44	0.60
1:4X:446:ALA:HB1	2:4l:56:ASN:CB	2.27	0.60
1:8S:228:GLN:OE1	1:8S:228:GLN:N	2.26	0.60
1:8W:314:ASN:OD1	1:8W:314:ASN:C	2.43	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6Y:425:LYS:O	1:6Y:425:LYS:HG3	2.02	0.60
2:1f:206:VAL:HG11	2:2a:210:LEU:HD23	1.82	0.60
2:2d:232:TYR:HE2	2:3k:232:TYR:CE2	2.17	0.60
2:2d:234:LEU:HD13	2:3k:234:LEU:HD12	1.79	0.60
2:3g:91:PRO:HB3	2:3g:117:GLU:O	2.01	0.60
2:4e:110:LEU:HD13	2:4e:110:LEU:H	1.65	0.60
2:5e:141:PRO:HD3	2:7Z:131:THR:OG1	2.02	0.60
2:6f:248:GLY:O	2:7f:280:SER:OG	2.11	0.60
2:6h:248:GLY:O	2:7c:280:SER:N	2.30	0.60
2:7c:272:VAL:HG12	2:8j:279:ILE:HG21	1.83	0.60
2:7d:226:ILE:CD1	2:8f:226:ILE:HD13	2.25	0.60
2:8h:267:ASN:O	2:8h:271:THR:HG23	2.01	0.60
2:9F:267:ASN:O	2:9F:271:THR:HG23	2.01	0.60
2:1j:76:ASN:ND2	2:1j:116:LYS:CD	2.59	0.60
2:1k:267:ASN:O	2:1k:271:THR:HG23	2.01	0.60
2:1l:267:ASN:O	2:1l:271:THR:HG23	2.01	0.60
2:2i:273:LEU:CD2	2:3o:279:ILE:HG21	2.31	0.60
2:7g:267:ASN:O	2:7g:271:THR:HG23	2.01	0.60
2:7i:57:MET:CE	2:8l:111:VAL:HG13	2.32	0.60
2:2l:242:LEU:CD2	2:4i:244:GLY:O	2.41	0.60
2:2n:57:MET:HE3	2:1s:61:ALA:CB	2.26	0.60
2:4j:97:TYR:OH	2:3t:41:TYR:CZ	2.55	0.60
2:6p:251:VAL:CG1	2:7m:279:ILE:HD12	2.30	0.60
2:7k:118:ILE:HG23	2:7k:118:ILE:O	2.00	0.60
2:7l:267:ASN:O	2:7l:271:THR:HG23	2.01	0.60
2:7n:267:ASN:O	2:7n:271:THR:HG23	2.01	0.60
2:8v:91:PRO:HB3	2:8v:117:GLU:O	2.00	0.60
2:1q:235:PRO:C	2:2o:242:LEU:HD11	2.25	0.60
2:1r:244:GLY:CA	2:3r:242:LEU:HD13	2.31	0.60
2:1s:278:ILE:HG23	2:3s:278:ILE:HD13	0.64	0.60
2:4k:110:LEU:HD13	2:4k:110:LEU:H	1.65	0.60
2:5l:76:ASN:ND2	2:5l:116:LYS:CD	2.59	0.60
2:6r:200:LEU:CD2	2:5n:200:LEU:CD1	2.72	0.60
2:8y:263:VAL:CG2	2:9M:256:ALA:C	2.55	0.60
2:8z:247:LYS:HE3	2:9N:277:GLY:O	2.00	0.60
2:9K:97:TYR:C	2:9K:110:LEU:CB	2.71	0.60
2:1w:228:ALA:C	2:3w:231:PRO:HG3	2.27	0.60
2:1w:263:VAL:CG2	2:3w:256:ALA:HB1	2.00	0.60
2:2u:267:ASN:O	2:2u:271:THR:HG23	2.01	0.60
2:7w:254:SER:CB	2:9R:267:ASN:CG	2.73	0.60
1:1C:245:GLU:OE1	1:1C:245:GLU:N	2.24	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1E:207:THR:CG2	1:1F:355:SER:OG	2.50	0.60
1:2F:397:THR:HA	2:2h:107:LEU:HB2	1.84	0.60
1:3I:202:GLU:O	1:3I:202:GLU:HG2	2.01	0.60
1:4I:88:LYS:O	1:4I:88:LYS:HG3	2.00	0.60
1:4L:446:ALA:HB1	2:4h:56:ASN:CB	2.21	0.60
1:7H:445:GLY:N	2:7f:45:LYS:HE3	2.14	0.60
1:8L:202:GLU:N	1:8L:203:PRO:HD3	2.17	0.60
1:7N:444:GLY:O	2:7j:53:THR:OG1	2.20	0.60
1:1V:444:GLY:C	2:1t:44:VAL:CG2	2.73	0.60
1:1W:207:THR:CB	1:1X:355:SER:OG	2.49	0.60
1:3U:314:ASN:OD1	1:3U:314:ASN:C	2.45	0.60
1:5S:206:SER:OG	1:5S:207:THR:N	2.35	0.60
1:6T:407:ASN:OD1	2:6s:45:LYS:HA	2.02	0.60
1:6U:110:TYR:O	1:6U:110:TYR:CG	2.53	0.60
1:7P:446:ALA:CA	2:7s:42:VAL:O	2.49	0.60
1:7S:407:ASN:HD21	2:7o:46:ASP:HB2	1.65	0.60
1:1Y:252:ASP:OD1	1:1Y:252:ASP:C	2.43	0.60
1:3a:202:GLU:O	1:3a:202:GLU:HG2	2.01	0.60
1:5a:28:GLN:OE1	1:5a:28:GLN:N	2.26	0.60
1:9E:407:ASN:ND2	2:9J:46:ASP:O	2.34	0.60
2:1h:225:MET:O	2:2t:219:LYS:CG	2.43	0.60
2:2Z:148[B]:ILE:CD1	2:1l:148[B]:ILE:CD1	2.80	0.60
2:2b:118:ILE:O	2:2b:118:ILE:HG23	2.00	0.60
2:3e:273:LEU:HD23	2:4e:279:ILE:HG22	1.83	0.60
2:3h:28:ILE:HB	2:4n:73:VAL:HG13	1.81	0.60
2:7c:250:ALA:HB2	2:8j:281:LEU:C	2.26	0.60
2:7c:259:VAL:HG23	2:8j:259:VAL:HG23	1.76	0.60
2:7d:120:ILE:HG21	2:8f:120:ILE:HD13	1.83	0.60
2:8g:247:LYS:HG2	2:9G:280:SER:HG	1.65	0.60
2:8h:228:ALA:HA	2:7i:229:GLY:O	2.02	0.60
2:9F:57:MET:CE	2:9O:111:VAL:HG22	2.28	0.60
2:1j:76:ASN:ND2	2:1j:116:LYS:HD2	2.11	0.60
2:1j:244:GLY:HA3	2:3j:242:LEU:HD13	1.83	0.60
2:1k:148[B]:ILE:HD13	2:3k:148[B]:ILE:HD13	1.83	0.60
2:1l:91:PRO:HB3	2:1l:117:GLU:O	2.01	0.60
2:2f:243:GLY:N	2:3j:244:GLY:CA	2.65	0.60
2:2i:193:LYS:HD3	2:3o:201:VAL:C	2.26	0.60
2:2i:273:LEU:HD11	2:3o:273:LEU:CD1	2.31	0.60
2:6i:251:VAL:HG21	2:8o:270:ILE:HG12	1.84	0.60
2:6j:197:GLN:NE2	2:7k:201:VAL:HA	2.17	0.60
2:6k:267:ASN:O	2:6k:271:THR:HG23	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8n:267:ASN:O	2:8n:271:THR:HG23	2.01	0.60
2:1m:235:PRO:C	2:2j:242:LEU:HD11	2.25	0.60
2:1m:242:LEU:CD2	2:1t:245:VAL:N	2.59	0.60
2:2k:243:GLY:N	2:3n:244:GLY:CA	2.65	0.60
2:2k:267:ASN:O	2:2k:271:THR:HG23	2.01	0.60
2:2l:238:THR:C	2:4i:247:LYS:CB	2.75	0.60
2:2n:57:MET:CE	2:1s:61:ALA:HB1	2.29	0.60
2:2n:278:ILE:HD13	2:3s:278:ILE:HG23	1.79	0.60
2:5i:111:VAL:HG21	2:7j:57:MET:CE	2.31	0.60
2:6o:267:ASN:O	2:6o:271:THR:HG23	2.01	0.60
2:7m:140:THR:C	2:8v:131:THR:OG1	2.45	0.60
2:7m:248:GLY:O	2:8v:279:ILE:C	2.43	0.60
2:8t:228:ALA:HB1	2:7s:228:ALA:CB	2.28	0.60
2:2o:148[B]:ILE:CD1	2:1x:148[B]:ILE:CD1	2.80	0.60
2:2o:157:LEU:HD12	2:1x:173:LEU:HB3	1.83	0.60
2:2o:273:LEU:HD23	2:1x:279:ILE:HG22	1.82	0.60
2:2r:202:SER:N	2:3x:197:GLN:HE21	1.98	0.60
2:3r:267:ASN:O	2:3r:271:THR:HG23	2.01	0.60
2:3s:91:PRO:HB3	2:3s:117:GLU:O	2.00	0.60
2:5k:141:PRO:HD3	2:7o:131:THR:OG1	2.02	0.60
2:6q:140:THR:C	2:9K:131:THR:OG1	2.45	0.60
2:6r:244:GLY:O	2:7u:242:LEU:CD2	2.44	0.60
2:6t:248:GLY:O	2:7r:280:SER:N	2.30	0.60
2:8w:148[B]:ILE:HD11	2:9I:148[B]:ILE:CD1	2.24	0.60
2:8w:278:ILE:HG22	2:9I:278:ILE:CB	2.19	0.60
2:8x:267:ASN:O	2:8x:271:THR:HG23	2.01	0.60
2:8y:183:PHE:HD1	2:9J:199:LEU:HB3	1.67	0.60
2:5m:97:TYR:C	2:5m:110:LEU:CB	2.71	0.60
2:7w:234:LEU:CD2	2:9R:234:LEU:HD11	2.32	0.60
2:9M:241:THR:N	2:9J:246:LYS:NZ	2.49	0.60
2:9M:278:ILE:HG22	2:9J:278:ILE:CB	2.19	0.60
1:2B:448:ALA:O	2:2b:57:MET:HA	2.02	0.60
1:5E:203:PRO:O	1:5E:204:THR:HB	2.02	0.60
1:6E:245:GLU:OE1	1:6E:245:GLU:N	2.23	0.60
1:7C:28:GLN:HE21	2:9P:52:LEU:CD1	2.14	0.60
1:8A:137:GLN:O	1:8A:137:GLN:HG3	2.02	0.60
1:8F:202:GLU:N	1:8F:203:PRO:HD3	2.17	0.60
1:2J:447:GLN:NE2	2:2i:44:VAL:HG11	2.16	0.60
1:3L:448:ALA:HA	2:3i:41:TYR:CD1	2.37	0.60
1:4G:200:ILE:HG22	1:4G:216:LYS:HD3	1.83	0.60
1:4L:446:ALA:HB2	2:4h:56:ASN:CB	2.31	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6G:425:LYS:HG3	1:6G:425:LYS:O	2.02	0.60
1:2L:357:ASN:O	1:2L:434:VAL:N	2.35	0.60
1:3Q:447:GLN:HG3	2:3n:56:ASN:HB2	1.82	0.60
1:6M:446:ALA:HA	2:6p:44:VAL:HG23	1.83	0.60
1:2Q:357:ASN:O	1:2Q:434:VAL:N	2.35	0.60
1:5V:354:VAL:O	1:5V:354:VAL:CG1	2.46	0.60
1:8T:245:GLU:OE1	1:8T:245:GLU:N	2.32	0.60
1:8U:445:GLY:HA3	2:9L:47:VAL:HG21	1.83	0.60
1:1c:423:GLU:OE1	1:1c:423:GLU:N	2.32	0.60
1:2W:28:GLN:NE2	2:4n:27:ILE:CD1	2.64	0.60
1:4Z:203:PRO:HA	1:4Z:212:GLU:OE1	2.01	0.60
1:4c:202:GLU:O	1:4c:203:PRO:C	2.44	0.60
1:5d:446:ALA:O	2:5n:56:ASN:O	2.20	0.60
1:6Y:202:GLU:O	1:6Y:209:ALA:CB	2.50	0.60
1:7W:202:GLU:HA	1:7W:343:SER:HB2	1.84	0.60
1:7W:444:GLY:HA3	2:7u:45:LYS:HZ1	1.66	0.60
2:1f:76:ASN:ND2	2:1f:116:LYS:CD	2.59	0.60
2:1g:280:SER:CA	2:3g:249:ALA:C	2.74	0.60
2:2a:243:GLY:N	2:3f:244:GLY:CA	2.65	0.60
2:2d:214:PRO:HD2	2:3k:225:MET:CG	2.31	0.60
2:2d:278:ILE:HD13	2:3k:278:ILE:HG23	1.79	0.60
2:3g:201:VAL:N	2:2x:193:LYS:HD3	2.16	0.60
2:3h:197:GLN:HE21	2:2w:202:SER:N	1.98	0.60
2:5e:266:LEU:CD2	2:6g:265:ASP:C	2.74	0.60
2:5f:234:LEU:HD23	2:6v:242:LEU:O	2.01	0.60
2:6e:158[A]:ILE:HA	2:8i:154:ALA:HB1	1.83	0.60
2:6e:253:ALA:CB	2:8i:267:ASN:CG	2.72	0.60
2:6f:197:GLN:NE2	2:7f:201:VAL:HA	2.17	0.60
2:6h:173:LEU:O	2:8j:162:THR:OG1	2.19	0.60
2:6h:267:ASN:O	2:6h:271:THR:HG23	2.01	0.60
2:7d:57:MET:CE	2:8f:111:VAL:HG13	2.32	0.60
2:8g:234:LEU:CD2	2:9G:242:LEU:HB2	2.32	0.60
2:1j:206:VAL:HG11	2:2f:210:LEU:HD23	1.82	0.60
2:2e:183:PHE:CZ	2:1p:196:LEU:CD2	2.84	0.60
2:2e:222:LEU:CB	2:1p:226:ILE:HG21	2.31	0.60
2:2h:201:VAL:HG13	2:3p:210:LEU:CB	2.30	0.60
2:5g:110:LEU:HD13	2:5g:110:LEU:H	1.65	0.60
2:8l:110:LEU:HD13	2:8l:110:LEU:H	1.65	0.60
2:8p:76:ASN:ND2	2:8p:116:LYS:HD2	2.11	0.60
2:1n:247:LYS:HE2	2:3n:280:SER:HG	1.63	0.60
2:2n:232:TYR:HB3	2:3s:232:TYR:CD1	2.36	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5j:267:ASN:O	2:5j:271:THR:HG23	2.01	0.60
2:7m:234:LEU:CD2	2:8v:234:LEU:HD11	2.32	0.60
2:7m:267:ASN:O	2:7m:271:THR:HG23	2.01	0.60
2:7n:226:ILE:CD1	2:8r:226:ILE:HD13	2.25	0.60
2:1s:97:TYR:C	2:1s:110:LEU:CB	2.71	0.60
2:2o:267:ASN:O	2:2o:271:THR:HG23	2.01	0.60
2:6q:251:VAL:HG12	2:9K:279:ILE:CD1	2.21	0.60
2:6t:148[B]:ILE:HD11	2:7r:148[B]:ILE:CD1	2.31	0.60
2:7r:167:LYS:HE3	2:9L:173:LEU:C	2.27	0.60
2:8z:254:SER:O	2:9N:263:VAL:CG1	2.48	0.60
2:1v:247:LYS:N	2:3v:238:THR:O	2.33	0.60
2:2w:119:SER:HA	2:4n:124:ASP:O	2.02	0.60
2:4m:99:VAL:CG2	2:4m:109:THR:O	2.41	0.60
2:7x:120:ILE:HG21	2:9N:120:ILE:HD13	1.83	0.60
2:9P:267:ASN:O	2:9P:271:THR:HG23	2.01	0.60
1:3C:444:GLY:O	2:3h:45:LYS:CE	2.50	0.59
1:4F:448:ALA:CB	2:4f:41:TYR:HD1	1.81	0.59
1:6A:425:LYS:O	1:6A:425:LYS:HG3	2.02	0.59
1:7C:202:GLU:HA	1:7C:343:SER:HB2	1.84	0.59
1:1K:207:THR:CG2	1:1L:355:SER:OG	2.50	0.59
1:4G:202:GLU:CG	1:4G:343:SER:HB2	2.33	0.59
1:6G:443:SER:N	2:6l:45:LYS:NZ	2.50	0.59
1:6I:110:TYR:O	1:6I:110:TYR:CG	2.53	0.59
1:7H:202:GLU:HA	1:7H:343:SER:HB2	1.84	0.59
1:1O:200:ILE:HG22	1:1O:216:LYS:CD	2.31	0.59
1:4N:154:VAL:O	1:4N:154:VAL:CG1	2.50	0.59
1:5R:445:GLY:H	2:5j:43:ALA:HA	1.66	0.59
1:1W:423:GLU:OE1	1:1W:423:GLU:N	2.32	0.59
1:3X:314:ASN:OD1	1:3X:314:ASN:C	2.44	0.59
1:5W:443:SER:CA	2:5k:45:LYS:HZ3	2.13	0.59
1:8S:230:SER:OG	1:8S:231:ARG:N	2.34	0.59
1:2V:356:PRO:CG	1:2V:369:PHE:CE2	2.73	0.59
1:6Z:447:GLN:CB	2:6w:56:ASN:O	2.50	0.59
1:7W:444:GLY:CA	2:7u:45:LYS:NZ	2.64	0.59
2:1g:149[B]:ILE:HG23	2:3g:158[B]:ILE:HG22	1.84	0.59
2:2Z:183:PHE:CZ	2:1l:196:LEU:CD2	2.84	0.59
2:2d:28:ILE:HD12	2:1k:99:VAL:HG12	1.84	0.59
2:3h:110:LEU:HD13	2:3h:110:LEU:H	1.65	0.59
2:3h:175:PHE:HZ	2:2w:175:PHE:HZ	1.46	0.59
2:6f:200:LEU:HD13	2:5h:200:LEU:CD1	2.30	0.59
2:6g:267:ASN:O	2:6g:271:THR:HG23	2.01	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2e:223:ARG:NH1	2:1p:227:GLY:O	2.36	0.59
2:3i:76:ASN:ND2	2:3i:116:LYS:CD	2.59	0.59
2:5g:266:LEU:HD21	2:6k:265:ASP:CA	2.31	0.59
2:6i:148[B]:ILE:CD1	2:8o:148[B]:ILE:CD1	2.78	0.59
2:6j:214:PRO:CG	2:7k:225:MET:HG2	2.32	0.59
2:6k:232:TYR:HH	2:7e:232:TYR:HE2	1.50	0.59
2:1o:125:ILE:HD13	2:3o:136:LEU:HD21	1.84	0.59
2:1o:270:ILE:CG1	2:3o:251:VAL:CG2	2.80	0.59
2:2n:232:TYR:HE2	2:3s:232:TYR:CE2	2.17	0.59
2:5i:141:PRO:HD3	2:7j:131:THR:OG1	2.02	0.59
2:6o:127:ASP:OD1	2:7j:121[A]:GLU:HA	2.00	0.59
2:8q:244:GLY:H	2:9H:234:LEU:HD21	1.58	0.59
2:8s:232:TYR:HD2	2:9I:232:TYR:CE1	2.20	0.59
2:8t:227:GLY:C	2:7s:223:ARG:CD	2.72	0.59
2:1q:222:LEU:HB3	2:2o:226:ILE:CB	2.30	0.59
2:1s:266:LEU:HD11	2:3s:266:LEU:CA	1.99	0.59
2:2o:59:PRO:O	2:1x:59:PRO:HG2	2.02	0.59
2:2q:242:LEU:CD2	2:4k:244:GLY:O	2.41	0.59
2:3q:76:ASN:ND2	2:3q:116:LYS:CD	2.59	0.59
2:4k:267:ASN:O	2:4k:271:THR:HG23	2.01	0.59
2:6q:256:ALA:H	2:9K:263:VAL:CG1	2.13	0.59
2:6r:267:ASN:O	2:6r:271:THR:HG23	2.01	0.59
2:7r:234:LEU:CD2	2:9L:234:LEU:HD11	2.32	0.59
2:7r:258:ASP:HA	2:9L:259:VAL:HG11	1.78	0.59
2:7r:269:LEU:CD2	2:9L:269:LEU:HG	2.23	0.59
2:7s:57:MET:CE	2:8x:111:VAL:HG13	2.32	0.59
2:8w:241:THR:CA	2:9I:246:LYS:HE2	2.32	0.59
2:8y:175:PHE:HZ	2:9J:175:PHE:HZ	1.50	0.59
2:8y:234:LEU:CD2	2:9J:242:LEU:HB2	2.32	0.59
2:1v:267:ASN:O	2:1v:271:THR:HG23	2.01	0.59
2:3v:110:LEU:HD13	2:3v:110:LEU:H	1.65	0.59
2:7t:267:ASN:O	2:7t:271:THR:HG23	2.01	0.59
2:7w:167:LYS:HE3	2:9R:173:LEU:C	2.27	0.59
2:7w:272:VAL:HG12	2:9R:279:ILE:HG21	1.83	0.59
1:1C:446:ALA:CA	2:1g:44:VAL:HG23	2.29	0.59
1:1D:443:SER:HA	2:1h:56:ASN:HD22	1.63	0.59
1:1Q:207:THR:CG2	1:1R:355:SER:OG	2.50	0.59
1:6Q:448:ALA:CB	2:6n:41:TYR:CD2	2.84	0.59
1:8O:445:GLY:O	2:8v:43:ALA:HA	2.03	0.59
1:9C:137:GLN:O	1:9C:137:GLN:HG3	2.02	0.59
1:9C:407:ASN:CG	2:9H:45:LYS:HG3	2.27	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2S:392:THR:HA	2:2o:46:ASP:OD2	2.02	0.59
1:4V:245:GLU:OE1	1:4V:245:GLU:N	2.22	0.59
1:7R:202:GLU:HA	1:7R:343:SER:HB2	1.84	0.59
1:7R:245:GLU:OE1	1:7R:245:GLU:N	2.26	0.59
1:8b:445:GLY:HA2	2:9Q:45:LYS:CA	2.32	0.59
2:1e:97:TYR:C	2:1e:110:LEU:CB	2.71	0.59
2:1e:200:LEU:HD11	2:2Z:200:LEU:HD22	0.71	0.59
2:2a:239:THR:CB	2:3f:247:LYS:C	2.39	0.59
2:3g:232:TYR:CD1	2:2x:232:TYR:HB3	2.37	0.59
2:4e:99:VAL:CG2	2:4e:109:THR:O	2.41	0.59
2:5e:110:LEU:HD13	2:5e:110:LEU:H	1.65	0.59
2:5e:111:VAL:HG21	2:7Z:57:MET:CE	2.32	0.59
2:6e:256:ALA:H	2:8i:263:VAL:CG1	2.13	0.59
2:7a:242:LEU:CD1	2:6v:236:ALA:CA	2.80	0.59
2:7a:267:ASN:O	2:7a:271:THR:HG23	2.01	0.59
2:7c:262:ALA:HA	2:8j:263:VAL:HG22	1.83	0.59
2:8e:225:MET:CG	2:9F:214:PRO:CD	2.53	0.59
2:8g:99:VAL:CG2	2:8g:109:THR:O	2.41	0.59
2:8h:239:THR:CG2	2:7i:247:LYS:CB	2.77	0.59
2:8j:267:ASN:O	2:8j:271:THR:HG23	2.01	0.59
2:1k:232:TYR:OH	2:3k:234:LEU:CB	2.50	0.59
2:2e:148[B]:ILE:CD1	2:1p:148[B]:ILE:CD1	2.80	0.59
2:2g:238:THR:C	2:4g:247:LYS:CB	2.75	0.59
2:2h:27:ILE:HA	2:3p:73:VAL:HG11	1.82	0.59
2:6i:150:GLU:CD	2:7l:141:PRO:HB2	2.26	0.59
2:8k:76:ASN:ND2	2:8k:116:LYS:HD2	2.11	0.59
2:8k:154:ALA:HB1	2:9G:158[A]:ILE:HG12	1.85	0.59
2:2j:59:PRO:O	2:1t:59:PRO:HG2	2.02	0.59
2:2m:202:SER:CB	2:3t:193:LYS:HD3	2.22	0.59
2:3m:267:ASN:O	2:3m:271:THR:HG23	2.01	0.59
2:6n:242:LEU:HD22	2:5l:244:GLY:CA	2.31	0.59
2:8t:228:ALA:HA	2:7s:229:GLY:O	2.02	0.59
2:1r:122:VAL:HG23	2:3r:127:ASP:OD1	2.03	0.59
2:2s:193:LYS:HD3	2:3w:201:VAL:N	2.16	0.59
2:3q:273:LEU:HD23	2:4k:279:ILE:HG22	1.83	0.59
2:6s:240:THR:O	2:7o:246:LYS:CE	2.34	0.59
2:7s:267:ASN:O	2:7s:271:THR:HG23	2.01	0.59
2:8w:174:LEU:HD22	2:9I:170:LEU:CB	2.19	0.59
2:8y:97:TYR:C	2:8y:110:LEU:CB	2.71	0.59
2:8y:183:PHE:CD1	2:9J:199:LEU:CD1	2.85	0.59
2:8z:202:SER:HB3	2:7x:193:LYS:HE2	1.83	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9K:75:ASP:N	2:7v:23:GLN:NE2	2.49	0.59
2:1u:200:LEU:HD11	2:2t:200:LEU:HD22	0.71	0.59
2:1w:125:ILE:HD13	2:3w:136:LEU:HD21	1.84	0.59
2:2u:243:GLY:N	2:3v:244:GLY:CA	2.65	0.59
2:5m:277:GLY:C	2:6w:247:LYS:HE3	2.27	0.59
2:6w:238:THR:C	2:7t:247:LYS:N	2.59	0.59
2:6x:267:ASN:O	2:6x:271:THR:HG23	2.01	0.59
2:7t:118:ILE:HG23	2:7t:118:ILE:O	2.00	0.59
2:9M:267:ASN:O	2:9M:271:THR:HG23	2.01	0.59
1:1C:200:ILE:HG22	1:1C:216:LYS:CD	2.31	0.59
1:1D:443:SER:CA	2:1h:56:ASN:HD21	2.13	0.59
1:1F:354:VAL:O	1:1F:354:VAL:HG23	2.02	0.59
1:3A:252:ASP:OD1	1:3A:252:ASP:C	2.45	0.59
1:7B:447:GLN:HG2	2:7b:44:VAL:CG2	2.32	0.59
1:1N:245:GLU:OE1	1:1N:245:GLU:N	2.24	0.59
1:2O:407:ASN:ND2	2:2n:46:ASP:HB2	2.18	0.59
1:4O:245:GLU:OE1	1:4O:245:GLU:N	2.24	0.59
1:6M:202:GLU:O	1:6M:209:ALA:CB	2.50	0.59
1:6Q:252:ASP:OD1	1:6Q:252:ASP:C	2.43	0.59
1:7L:447:GLN:HG2	2:7l:44:VAL:CG1	2.31	0.59
1:8M:137:GLN:O	1:8M:137:GLN:HG3	2.02	0.59
1:4S:202:GLU:CG	1:4S:343:SER:HB2	2.33	0.59
1:9D:445:GLY:HA3	2:9I:54:GLN:O	2.02	0.59
1:1a:200:ILE:HD12	1:1a:213:PHE:CD1	2.38	0.59
1:1b:444:GLY:C	2:1x:44:VAL:CG2	2.75	0.59
1:3Y:245:GLU:OE1	1:3Y:245:GLU:N	2.26	0.59
1:6b:423:GLU:OE1	1:6b:423:GLU:N	2.27	0.59
2:2Z:223:ARG:NH1	2:1l:227:GLY:O	2.36	0.59
2:2c:202:SER:CB	2:3l:193:LYS:HD3	2.22	0.59
2:2d:193:LYS:HD3	2:3k:201:VAL:N	2.17	0.59
2:2d:248:GLY:O	2:3k:280:SER:HB2	1.98	0.59
2:4f:76:ASN:ND2	2:4f:116:LYS:CD	2.59	0.59
2:6g:209:LEU:HD22	2:7Z:209:LEU:HD21	1.82	0.59
2:7a:238:THR:C	2:6v:247:LYS:N	2.43	0.59
2:8f:110:LEU:HD13	2:8f:110:LEU:H	1.65	0.59
2:1i:226:ILE:O	2:1p:223:ARG:HG3	2.02	0.59
2:1j:228:ALA:HB1	2:2f:228:ALA:HB1	1.79	0.59
2:2e:267:ASN:O	2:2e:271:THR:HG23	2.01	0.59
2:2h:119:SER:HA	2:4h:124:ASP:O	2.02	0.59
2:3j:267:ASN:O	2:3j:271:THR:HG23	2.01	0.59
2:6i:256:ALA:C	2:8o:259:VAL:CG1	2.70	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6l:148[B]:ILE:HD11	2:7h:148[B]:ILE:CD1	2.31	0.59
2:8k:267:ASN:O	2:8k:271:THR:HG23	2.01	0.59
2:8k:280:SER:CB	2:9G:249:ALA:C	2.72	0.59
2:1m:97:TYR:C	2:1m:110:LEU:CB	2.71	0.59
2:1m:110:LEU:HD13	2:1m:110:LEU:H	1.65	0.59
2:1n:206:VAL:HG11	2:2k:210:LEU:HD23	1.82	0.59
2:2j:219:LYS:CG	2:1t:225:MET:O	2.44	0.59
2:2k:239:THR:H	2:3n:247:LYS:HB2	1.51	0.59
2:6n:197:GLN:NE2	2:7p:201:VAL:HA	2.17	0.59
2:7m:272:VAL:HG11	2:8v:279:ILE:CG2	2.32	0.59
2:8q:175:PHE:CD1	2:9H:171:GLN:CG	2.81	0.59
2:8q:278:ILE:HG22	2:9H:278:ILE:CB	2.19	0.59
2:8s:259:VAL:HG21	2:8w:258:ASP:HA	1.85	0.59
2:1t:76:ASN:ND2	2:1t:116:LYS:CD	2.59	0.59
2:2q:232:TYR:HB3	2:3q:232:TYR:CD1	2.36	0.59
2:2s:126:LYS:HG3	2:1w:119:SER:HB3	1.84	0.59
2:6r:242:LEU:O	2:5n:234:LEU:HD23	2.01	0.59
2:8w:76:ASN:ND2	2:8w:116:LYS:HD2	2.11	0.59
2:8w:235:PRO:HD2	2:9I:234:LEU:HD22	1.85	0.59
2:8z:228:ALA:HA	2:7x:229:GLY:O	2.02	0.59
2:3u:273:LEU:HD23	2:4m:279:ILE:HG22	1.83	0.59
2:6u:158[A]:ILE:HA	2:9Q:154:ALA:HB1	1.83	0.59
2:6w:242:LEU:HD21	2:7t:236:ALA:CB	2.32	0.59
2:7w:140:THR:C	2:9R:131:THR:OG1	2.45	0.59
2:7w:184:LEU:HD21	2:9R:184:LEU:HD21	1.82	0.59
2:7w:267:ASN:O	2:7w:271:THR:HG23	2.01	0.59
2:7w:269:LEU:CD2	2:9R:269:LEU:HG	2.23	0.59
2:9M:241:THR:CA	2:9J:246:LYS:HE2	2.32	0.59
1:4D:93:LEU:HD12	1:4D:93:LEU:C	2.27	0.59
1:6B:355:SER:HB3	1:6B:356:PRO:HD3	1.84	0.59
1:6D:228:GLN:OE1	1:6D:228:GLN:N	2.27	0.59
1:8E:245:GLU:OE1	1:8E:245:GLU:N	2.27	0.59
1:1I:445:GLY:CA	2:1k:54:GLN:O	2.50	0.59
1:3G:252:ASP:OD1	1:3G:252:ASP:C	2.46	0.59
1:6G:274:ASP:OD1	1:6G:274:ASP:C	2.45	0.59
1:6H:355:SER:HB3	1:6H:356:PRO:HD3	1.84	0.59
1:7H:355:SER:HB2	1:7H:370:THR:N	2.13	0.59
1:8I:448:ALA:HB3	2:8p:60:LEU:HG	1.83	0.59
1:8K:448:ALA:O	2:8n:60:LEU:HG	2.03	0.59
1:1Q:207:THR:CB	1:1R:355:SER:OG	2.49	0.59
1:1Q:245:GLU:OE1	1:1Q:245:GLU:N	2.29	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2L:110:TYR:O	1:2L:110:TYR:CG	2.54	0.59
1:7M:26:ASN:OD1	2:8n:52:LEU:HD12	2.00	0.59
1:2Q:404:VAL:C	2:2q:16:TYR:OH	2.45	0.59
1:4S:200:ILE:HG22	1:4S:216:LYS:HD3	1.84	0.59
1:6W:228:GLN:OE1	1:6W:228:GLN:N	2.25	0.59
1:7S:397:THR:CG2	2:7o:107:LEU:HD12	2.33	0.59
1:8W:448:ALA:C	2:8z:60:LEU:HG	2.28	0.59
1:2V:444:GLY:HA2	2:2v:56:ASN:ND2	2.16	0.59
1:3a:202:GLU:CG	1:3a:343:SER:HB3	2.32	0.59
1:3b:319:TYR:CD1	1:3b:319:TYR:C	2.81	0.59
1:4c:124:MET:SD	1:4c:124:MET:N	2.74	0.59
2:1f:122:VAL:HG23	2:3f:127:ASP:OD1	2.02	0.59
2:1h:223:ARG:HG3	2:1u:226:ILE:O	2.02	0.59
2:2a:225:MET:HG3	2:3f:214:PRO:CG	2.32	0.59
2:2b:267:ASN:O	2:2b:271:THR:HG23	2.01	0.59
2:2c:119:SER:HA	2:4f:124:ASP:O	2.02	0.59
2:2d:232:TYR:HD2	2:3k:232:TYR:CD2	2.04	0.59
2:3g:225:MET:CG	2:2x:214:PRO:HD2	2.31	0.59
2:5f:200:LEU:CD1	2:6v:200:LEU:HD13	2.30	0.59
2:5f:247:LYS:HB3	2:6v:239:THR:CA	2.33	0.59
2:7b:267:ASN:O	2:7b:271:THR:HG23	2.01	0.59
2:8e:154:ALA:HB1	2:9F:158[A]:ILE:HG12	1.85	0.59
2:8e:258:ASP:HA	2:9O:259:VAL:HG21	1.84	0.59
2:8e:274:LYS:NZ	2:9F:251:VAL:CG1	2.63	0.59
2:8i:226:ILE:HD11	2:7g:226:ILE:HD12	1.85	0.59
2:1i:41:TYR:CZ	2:1p:97:TYR:OH	2.54	0.59
2:1i:110:LEU:HD13	2:1i:110:LEU:H	1.65	0.59
2:1l:76:ASN:ND2	2:1l:116:LYS:CD	2.59	0.59
2:2f:226:ILE:HB	2:3j:222:LEU:CB	2.32	0.59
2:3k:116:LYS:HA	2:3k:116:LYS:CE	2.22	0.59
2:5g:126:LYS:HG3	2:6k:119:SER:HB3	1.84	0.59
2:5g:246:LYS:N	2:7e:242:LEU:HD23	2.13	0.59
2:7h:234:LEU:CD2	2:8p:234:LEU:HD11	2.32	0.59
2:8n:76:ASN:ND2	2:8n:116:LYS:HD2	2.11	0.59
2:2j:267:ASN:O	2:2j:271:THR:HG23	2.01	0.59
2:2k:242:LEU:HD13	2:3n:244:GLY:H	1.68	0.59
2:3n:267:ASN:O	2:3n:271:THR:HG23	2.01	0.59
2:6m:251:VAL:HG21	2:8u:270:ILE:HG12	1.84	0.59
2:6p:173:LEU:O	2:8v:162:THR:OG1	2.19	0.59
2:8q:154:ALA:HB1	2:9H:158[A]:ILE:HG12	1.85	0.59
2:8q:206:VAL:CG1	2:9H:210:LEU:HA	2.33	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:226:ILE:O	2:1x:223:ARG:HG3	2.02	0.59
2:1r:247:LYS:HD3	2:3r:239:THR:CG2	2.13	0.59
2:2r:119:SER:HA	2:4l:124:ASP:O	2.02	0.59
2:4l:247:LYS:CD	2:3x:239:THR:CA	2.19	0.59
2:6s:242:LEU:HD21	2:7o:236:ALA:CB	2.32	0.59
2:8w:154:ALA:HB1	2:9I:158[A]:ILE:HG12	1.85	0.59
2:8y:259:VAL:HG21	2:9M:258:ASP:HA	1.85	0.59
2:9K:226:ILE:HD11	2:7v:226:ILE:HD12	1.85	0.59
2:1u:247:LYS:CD	2:2t:239:THR:CG2	2.52	0.59
2:1v:247:LYS:CE	2:3v:280:SER:OG	2.32	0.59
2:5m:266:LEU:HD21	2:6w:265:ASP:CA	2.31	0.59
2:6u:256:ALA:H	2:9Q:263:VAL:CG1	2.13	0.59
2:6v:97:TYR:C	2:6v:110:LEU:CB	2.71	0.59
1:4A:202:GLU:HG2	1:4A:343:SER:HB2	1.85	0.59
1:4B:154:VAL:O	1:4B:154:VAL:CG1	2.50	0.59
1:9A:137:GLN:O	1:9A:137:GLN:HG3	2.02	0.59
1:1K:111:ASP:OD1	1:1K:111:ASP:C	2.45	0.59
1:1K:423:GLU:OE1	1:1K:423:GLU:N	2.32	0.59
1:1L:354:VAL:O	1:1L:354:VAL:HG23	2.02	0.59
1:1Q:203:PRO:C	1:1Q:205:SER:N	2.59	0.59
1:4M:200:ILE:HG22	1:4M:216:LYS:HD3	1.83	0.59
1:4O:88:LYS:HG3	1:4O:88:LYS:O	2.00	0.59
1:5Q:203:PRO:O	1:5Q:204:THR:HB	2.02	0.59
1:7O:442:ALA:HB3	2:7m:45:LYS:NZ	2.16	0.59
1:6S:228:GLN:OE1	1:6S:228:GLN:N	2.24	0.59
1:6T:447:GLN:CD	2:6s:60:LEU:HD11	2.27	0.59
1:8W:245:GLU:OE1	1:8W:245:GLU:N	2.27	0.59
1:9D:403:SER:CB	2:9I:16:TYR:OH	2.50	0.59
1:4Y:202:GLU:CG	1:4Y:343:SER:HB2	2.32	0.59
1:5a:402:LEU:HG	1:5a:402:LEU:O	2.00	0.59
1:5d:443:SER:O	2:5n:44:VAL:CG2	2.50	0.59
1:6Y:274:ASP:OD1	1:6Y:274:ASP:C	2.45	0.59
2:1e:235:PRO:C	2:2Z:242:LEU:HD11	2.26	0.59
2:1g:232:TYR:OH	2:3g:234:LEU:CB	2.50	0.59
2:1h:59:PRO:HG2	2:2t:59:PRO:O	2.02	0.59
2:8f:97:TYR:C	2:8f:110:LEU:CB	2.71	0.59
2:8h:231:PRO:HD3	2:8l:227:GLY:O	2.02	0.59
2:8i:99:VAL:CG2	2:8i:109:THR:O	2.41	0.59
2:9F:242:LEU:HB2	2:9O:234:LEU:CD2	2.32	0.59
2:2g:200:LEU:CD1	2:3i:200:LEU:HD22	2.33	0.59
2:6i:125:ILE:HG12	2:7l:120:ILE:CD1	2.27	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6j:267:ASN:O	2:6j:271:THR:HG23	2.01	0.59
2:7h:266:LEU:H	2:8p:266:LEU:HD22	1.66	0.59
2:8k:206:VAL:CG1	2:9G:210:LEU:HA	2.33	0.59
2:8m:175:PHE:HZ	2:9H:175:PHE:HZ	1.50	0.59
2:8m:247:LYS:CB	2:9H:239:THR:H	2.14	0.59
2:1n:239:THR:HG22	2:2k:247:LYS:C	2.25	0.59
2:2j:148[B]:ILE:CD1	2:1t:148[B]:ILE:CD1	2.80	0.59
2:2j:223:ARG:NH1	2:1t:227:GLY:O	2.36	0.59
2:6m:140:THR:C	2:8u:131:THR:OG1	2.45	0.59
2:6m:242:LEU:HD22	2:7q:244:GLY:C	2.28	0.59
2:6n:97:TYR:C	2:6n:110:LEU:CB	2.71	0.59
2:6o:242:LEU:HD21	2:7j:236:ALA:CB	2.32	0.59
2:8t:202:SER:HB3	2:7s:193:LYS:HE2	1.83	0.59
2:1r:267:ASN:O	2:1r:271:THR:HG23	2.01	0.59
2:1s:228:ALA:C	2:3s:231:PRO:HG3	2.27	0.59
2:1s:232:TYR:OH	2:3s:234:LEU:CB	2.50	0.59
2:1s:273:LEU:CD1	2:3s:273:LEU:HD21	2.32	0.59
2:2q:200:LEU:CD1	2:3q:200:LEU:HD22	2.33	0.59
2:6r:197:GLN:NE2	2:7u:201:VAL:HA	2.17	0.59
2:6r:242:LEU:CD2	2:5n:236:ALA:HA	2.33	0.59
2:6s:267:ASN:O	2:6s:271:THR:HG23	2.01	0.59
2:7r:272:VAL:HG11	2:9L:279:ILE:CG2	2.32	0.59
2:1v:223:ARG:HD2	2:3v:227:GLY:C	2.21	0.59
2:5m:246:LYS:N	2:7t:242:LEU:HD23	2.13	0.59
2:5n:116:LYS:HA	2:5n:116:LYS:CE	2.22	0.59
2:9M:235:PRO:HD2	2:9J:234:LEU:HD22	1.84	0.59
1:2E:28:GLN:HG2	2:1f:52:LEU:HD11	1.85	0.59
1:8E:448:ALA:C	2:8h:60:LEU:CG	2.53	0.59
1:1I:200:ILE:HD12	1:1I:213:PHE:CD1	2.38	0.59
1:1K:207:THR:CB	1:1L:355:SER:HG	2.10	0.59
1:5G:252:ASP:OD1	1:5G:252:ASP:C	2.46	0.59
1:6G:444:GLY:H	2:6l:45:LYS:HZ1	1.48	0.59
1:7I:448:ALA:CA	2:7e:41:TYR:CE1	2.84	0.59
1:2L:448:ALA:CB	2:2l:63:TRP:CZ2	2.85	0.59
1:2O:407:ASN:HD21	2:2n:46:ASP:HB2	1.66	0.59
1:3W:445:GLY:HA2	2:3r:45:LYS:HB2	1.85	0.59
1:1c:207:THR:CG2	1:1d:355:SER:OG	2.50	0.59
1:2V:357:ASN:O	1:2V:434:VAL:N	2.35	0.59
1:7W:28:GLN:HG2	2:8z:52:LEU:HD11	1.84	0.59
2:1g:180:VAL:HG11	2:3g:184:LEU:HA	1.85	0.59
2:2Z:210:LEU:CD2	2:1l:206:VAL:CG1	2.76	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:238:THR:C	2:4e:247:LYS:CB	2.75	0.59
2:2c:175:PHE:HZ	2:3l:175:PHE:HZ	1.46	0.59
2:2d:231:PRO:HG3	2:3k:229:GLY:CA	2.32	0.59
2:3g:237:ALA:HB1	2:2x:245:VAL:C	2.27	0.59
2:3h:222:LEU:CD2	2:2w:226:ILE:CG2	2.50	0.59
2:1i:97:TYR:CE2	2:1i:111:VAL:HB	2.38	0.59
2:2i:273:LEU:HD23	2:3o:279:ILE:HG23	1.80	0.59
2:3i:273:LEU:HD23	2:4g:279:ILE:HG22	1.83	0.59
2:5g:141:PRO:HD3	2:7e:131:THR:OG1	2.02	0.59
2:6j:246:LYS:HE2	2:7k:240:THR:C	2.25	0.59
2:6k:116:LYS:HA	2:6k:116:LYS:CE	2.22	0.59
2:8k:175:PHE:CD1	2:9G:171:GLN:CG	2.81	0.59
2:8k:241:THR:CA	2:9G:246:LYS:HE2	2.32	0.59
2:8m:277:GLY:C	2:8q:247:LYS:HE3	2.22	0.59
2:8n:231:PRO:HD3	2:8r:227:GLY:O	2.02	0.59
2:1m:239:THR:HA	2:1t:247:LYS:HB3	1.84	0.59
2:1o:263:VAL:HG22	2:3o:262:ALA:CB	2.22	0.59
2:2l:236:ALA:HA	2:3m:242:LEU:CD1	2.20	0.59
2:2l:236:ALA:CA	2:3m:242:LEU:HD13	2.22	0.59
2:2m:175:PHE:HZ	2:3t:175:PHE:HZ	1.46	0.59
2:2m:201:VAL:HG13	2:3t:210:LEU:CB	2.30	0.59
2:3m:273:LEU:HD23	2:4i:279:ILE:HG22	1.83	0.59
2:5i:277:GLY:C	2:6o:247:LYS:HE3	2.27	0.59
2:5j:76:ASN:ND2	2:5j:116:LYS:CD	2.59	0.59
2:6n:239:THR:CA	2:5l:247:LYS:HB3	2.32	0.59
2:7n:57:MET:CE	2:8r:111:VAL:HG13	2.32	0.59
2:8q:280:SER:CB	2:9H:249:ALA:C	2.72	0.59
2:8s:247:LYS:CB	2:9I:239:THR:H	2.14	0.59
2:8s:247:LYS:HB2	2:9I:238:THR:C	2.27	0.59
2:8t:267:ASN:O	2:8t:271:THR:HG23	2.01	0.59
2:1r:225:MET:O	2:2p:219:LYS:HG2	2.03	0.59
2:2p:225:MET:HG3	2:3r:214:PRO:CG	2.32	0.59
2:2p:239:THR:H	2:3r:247:LYS:HB2	1.51	0.59
2:2p:243:GLY:N	2:3r:244:GLY:CA	2.65	0.59
2:2q:238:THR:C	2:4k:247:LYS:CB	2.75	0.59
2:2s:246:LYS:HB3	2:3w:238:THR:O	2.03	0.59
2:2u:239:THR:C	2:3v:246:LYS:CB	2.55	0.59
2:2v:210:LEU:CD2	2:3u:206:VAL:HG11	2.30	0.59
2:4m:97:TYR:CE2	2:4m:111:VAL:HB	2.38	0.59
1:3C:202:GLU:OE2	1:3C:291:GLU:OE2	2.19	0.59
1:4A:408:GLU:OE1	1:4A:408:GLU:HA	2.03	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5E:199:LYS:CD	1:5E:201:ASP:HB3	2.30	0.59
1:8D:93:LEU:C	1:8D:93:LEU:HD12	2.28	0.59
1:4H:203:PRO:O	1:4H:204:THR:HB	2.03	0.59
1:5G:206:SER:OG	1:5G:207:THR:N	2.35	0.59
1:5L:447:GLN:O	2:5h:60:LEU:HD12	2.03	0.59
1:7H:445:GLY:H	2:7f:45:LYS:CE	2.13	0.59
1:7J:407:ASN:ND2	2:7h:45:LYS:HG3	2.17	0.59
1:8G:408:GLU:OE1	1:8G:408:GLU:HA	2.01	0.59
1:8H:443:SER:CA	2:8l:45:LYS:NZ	2.60	0.59
1:4P:93:LEU:HD12	1:4P:93:LEU:C	2.28	0.59
1:5M:245:GLU:OE1	1:5M:245:GLU:N	2.23	0.59
1:6M:245:GLU:OE1	1:6M:245:GLU:N	2.26	0.59
1:6N:355:SER:HB3	1:6N:356:PRO:HD3	1.84	0.59
1:6Q:448:ALA:HB2	2:6n:41:TYR:HD2	1.66	0.59
1:8R:202:GLU:N	1:8R:203:PRO:HD3	2.17	0.59
1:3U:203:PRO:O	1:3U:205:SER:N	2.31	0.59
1:7R:355:SER:CB	1:7R:370:THR:H	2.11	0.59
1:8X:228:GLN:OE1	1:8X:228:GLN:N	2.26	0.59
1:1a:447:GLN:HG3	2:1w:60:LEU:CD1	2.30	0.59
1:2W:393:GLY:O	2:2u:15:ALA:CB	2.49	0.59
1:5b:252:ASP:OD1	1:5b:252:ASP:C	2.44	0.59
1:8Z:252:ASP:OD1	1:8Z:252:ASP:C	2.46	0.59
1:9E:444:GLY:C	2:9J:53:THR:OG1	2.46	0.59
2:1g:61:ALA:HB1	2:2x:57:MET:CE	2.29	0.59
2:1g:99:VAL:HG12	2:2x:28:ILE:HD12	1.84	0.59
2:1g:277:GLY:HA2	2:3g:247:LYS:CE	2.24	0.59
2:3h:242:LEU:HD13	2:4n:244:GLY:CA	2.32	0.59
2:6f:236:ALA:CA	2:7f:242:LEU:CD1	2.80	0.59
2:7c:167:LYS:HE3	2:8j:173:LEU:C	2.27	0.59
2:9F:175:PHE:HZ	2:9O:175:PHE:HZ	1.50	0.59
2:9F:199:LEU:CD1	2:9O:183:PHE:CD1	2.85	0.59
2:9F:232:TYR:CE1	2:9O:232:TYR:HD2	2.20	0.59
2:1i:200:LEU:CD1	2:2e:200:LEU:CD1	2.75	0.59
2:2f:225:MET:HG3	2:3j:214:PRO:CG	2.32	0.59
2:3k:76:ASN:ND2	2:3k:116:LYS:CD	2.59	0.59
2:6j:247:LYS:O	2:7k:239:THR:HA	2.03	0.59
2:7h:262:ALA:HA	2:8p:263:VAL:HG22	1.83	0.59
2:8k:225:MET:CG	2:9G:214:PRO:CD	2.53	0.59
2:1o:228:ALA:C	2:3o:231:PRO:HG3	2.27	0.59
2:2l:222:LEU:C	2:3m:226:ILE:HD12	2.28	0.59
2:6o:243:GLY:N	2:7j:244:GLY:CA	2.57	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7m:262:ALA:HA	2:8v:263:VAL:HG22	1.83	0.59
2:8q:267:ASN:O	2:8q:271:THR:HG23	2.01	0.59
2:8s:234:LEU:CD2	2:9I:242:LEU:HB2	2.32	0.59
2:1s:148[B]:ILE:HD13	2:3s:148[B]:ILE:HD13	1.83	0.59
2:2o:236:ALA:H	2:1x:242:LEU:HD11	1.61	0.59
2:2q:267:ASN:O	2:2q:271:THR:HG23	2.01	0.59
2:6r:239:THR:CA	2:5n:247:LYS:HB3	2.32	0.59
2:8w:206:VAL:CG1	2:9I:210:LEU:HA	2.33	0.59
2:8x:110:LEU:HD13	2:8x:110:LEU:H	1.65	0.59
2:9M:154:ALA:HB1	2:9J:158[A]:ILE:HG12	1.85	0.59
1:1A:447:GLN:HG3	2:1e:44:VAL:HG21	1.84	0.59
1:3C:202:GLU:CG	1:3C:343:SER:HB3	2.32	0.59
1:8A:447:GLN:CG	2:8e:44:VAL:HG11	2.32	0.59
1:8F:446:ALA:O	2:8g:55:VAL:HA	2.03	0.59
1:2G:357:ASN:O	1:2G:434:VAL:N	2.35	0.59
1:1Q:203:PRO:O	1:1Q:204:THR:C	2.45	0.59
1:3O:202:GLU:CG	1:3O:343:SER:HB3	2.32	0.59
1:4N:203:PRO:O	1:4N:204:THR:HB	2.03	0.59
1:8M:447:GLN:NE2	2:8q:44:VAL:HG11	2.17	0.59
1:1W:111:ASP:OD1	1:1W:111:ASP:C	2.45	0.59
1:4X:252:ASP:OD1	1:4X:252:ASP:C	2.43	0.59
1:8V:444:GLY:H	2:9K:45:LYS:HE3	1.60	0.59
1:8X:202:GLU:N	1:8X:203:PRO:HD3	2.17	0.59
1:1Y:446:ALA:H	2:1u:44:VAL:N	2.00	0.59
1:3d:314:ASN:OD1	1:3d:314:ASN:C	2.44	0.59
1:6Y:245:GLU:OE1	1:6Y:245:GLU:N	2.26	0.59
1:7W:355:SER:CB	1:7W:370:THR:H	2.11	0.59
2:2b:141:PRO:HB2	2:3e:150:GLU:CD	2.28	0.59
2:3h:41:TYR:CZ	2:4n:97:TYR:OH	2.55	0.59
2:6e:242:LEU:HD22	2:7g:244:GLY:C	2.28	0.59
2:6f:242:LEU:O	2:5h:234:LEU:HD23	2.01	0.59
2:8e:206:VAL:CG1	2:9F:210:LEU:HA	2.33	0.59
2:1k:228:ALA:C	2:3k:231:PRO:HG3	2.27	0.59
2:4h:97:TYR:OH	2:3p:41:TYR:CZ	2.55	0.59
2:6i:242:LEU:HD22	2:7l:244:GLY:C	2.28	0.59
2:6k:240:THR:O	2:7e:246:LYS:CE	2.34	0.59
2:8m:97:TYR:CE2	2:8m:111:VAL:HB	2.38	0.59
2:1o:273:LEU:HD13	2:3o:269:LEU:HD11	1.74	0.59
2:2k:27:ILE:HA	2:3n:73:VAL:HG11	1.85	0.59
2:2l:219:LYS:HG2	2:3m:225:MET:C	2.22	0.59
2:2l:236:ALA:HA	2:3m:242:LEU:CG	2.28	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:226:ILE:C	2:3t:223:ARG:N	2.59	0.59
2:2n:28:ILE:HD11	2:1s:99:VAL:HG12	1.85	0.59
2:6m:251:VAL:HG12	2:8u:279:ILE:HD12	1.73	0.59
2:6n:242:LEU:CD2	2:5l:236:ALA:HA	2.33	0.59
2:8q:278:ILE:HG23	2:9H:278:ILE:CB	2.16	0.59
2:1r:76:ASN:ND2	2:1r:116:LYS:HD2	2.11	0.59
2:1s:263:VAL:HG22	2:3s:262:ALA:CB	2.22	0.59
2:1s:270:ILE:CG1	2:3s:251:VAL:CG2	2.80	0.59
2:2r:238:THR:O	2:3x:245:VAL:O	2.21	0.59
2:2r:242:LEU:HB3	2:3x:234:LEU:HD11	1.82	0.59
2:2s:62:ALA:CA	2:2s:110:LEU:O	2.51	0.59
2:6r:197:GLN:NE2	2:7u:200:LEU:O	2.33	0.59
2:7s:120:ILE:HG21	2:8x:120:ILE:HD13	1.83	0.59
2:8w:201:VAL:O	2:9I:193:LYS:CE	2.48	0.59
2:6v:99:VAL:CG2	2:6v:109:THR:O	2.41	0.59
2:7w:234:LEU:HD13	2:9R:234:LEU:CD1	2.30	0.59
2:9M:110:LEU:HD12	2:9M:110:LEU:C	2.28	0.59
1:1C:200:ILE:HD12	1:1C:213:PHE:CD1	2.38	0.59
1:3F:245:GLU:OE1	1:3F:245:GLU:N	2.27	0.59
1:4A:202:GLU:CG	1:4A:343:SER:HB2	2.33	0.59
1:7C:28:GLN:NE2	2:9P:52:LEU:CD1	2.62	0.59
1:3I:202:GLU:CG	1:3I:343:SER:HB3	2.32	0.59
1:3K:245:GLU:OE1	1:3K:245:GLU:N	2.25	0.59
1:1M:235:SER:HB3	1:1M:334:ARG:HB3	1.85	0.59
1:3M:252:ASP:OD1	1:3M:252:ASP:C	2.45	0.59
1:3P:63:THR:O	1:3P:63:THR:HG22	1.98	0.59
1:6M:425:LYS:O	1:6M:425:LYS:HG3	2.02	0.59
1:1U:200:ILE:HD12	1:1U:213:PHE:CD1	2.37	0.59
1:2T:447:GLN:CD	2:2s:44:VAL:HG11	2.27	0.59
1:4V:93:LEU:C	1:4V:93:LEU:HD12	2.28	0.59
1:5X:245:GLU:OE1	1:5X:245:GLU:N	2.24	0.59
1:6S:447:GLN:CD	2:6t:58:TYR:HB2	2.27	0.59
1:1a:447:GLN:CG	2:1w:60:LEU:CD1	2.81	0.59
1:4b:93:LEU:C	1:4b:93:LEU:HD12	2.28	0.59
1:5c:445:GLY:O	2:5m:44:VAL:HG23	2.03	0.59
1:6b:245:GLU:OE1	1:6b:245:GLU:N	2.24	0.59
1:7V:394:THR:HA	2:7v:16:TYR:CE1	2.32	0.59
2:1f:223:ARG:HD3	2:3f:227:GLY:O	1.93	0.59
2:2b:223:ARG:NE	2:3e:227:GLY:O	2.36	0.59
2:2d:57:MET:HE3	2:1k:61:ALA:CB	2.26	0.59
2:2d:126:LYS:HG3	2:1k:119:SER:HB3	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:110:LEU:HD12	2:3g:110:LEU:C	2.28	0.59
2:6g:110:LEU:HD12	2:6g:110:LEU:C	2.28	0.59
2:7c:234:LEU:HD13	2:8j:234:LEU:CD1	2.31	0.59
2:7c:272:VAL:HG11	2:8j:279:ILE:CG2	2.32	0.59
2:7d:267:ASN:O	2:7d:271:THR:HG23	2.01	0.59
2:8e:76:ASN:ND2	2:8e:116:LYS:CD	2.59	0.59
2:8g:247:LYS:HB2	2:9G:238:THR:C	2.28	0.59
2:8h:110:LEU:HD12	2:8h:110:LEU:C	2.28	0.59
2:9F:62:ALA:CA	2:9F:110:LEU:O	2.51	0.59
2:1j:247:LYS:HB3	2:3j:239:THR:HA	0.72	0.59
2:1l:110:LEU:C	2:1l:110:LEU:HD12	2.28	0.59
2:2e:59:PRO:O	2:1p:59:PRO:HG2	2.02	0.59
2:6j:97:TYR:C	2:6j:110:LEU:CB	2.71	0.59
2:7h:272:VAL:HG11	2:8p:279:ILE:CG2	2.32	0.59
2:8m:234:LEU:CD2	2:9H:242:LEU:HB2	2.32	0.59
2:1o:97:TYR:CE2	2:1o:111:VAL:HB	2.37	0.59
2:1p:76:ASN:ND2	2:1p:116:LYS:HD2	2.11	0.59
2:2m:62:ALA:CA	2:2m:110:LEU:O	2.51	0.59
2:4i:267:ASN:O	2:4i:271:THR:HG23	2.01	0.59
2:5i:97:TYR:CE2	2:5i:111:VAL:HB	2.38	0.59
2:6o:242:LEU:HD13	2:7j:235:PRO:CA	2.24	0.59
2:7m:167:LYS:HE3	2:8v:173:LEU:C	2.27	0.59
2:7m:219:LYS:HE3	2:8v:226:ILE:C	2.28	0.59
2:8q:110:LEU:C	2:8q:110:LEU:HD12	2.28	0.59
2:1r:200:LEU:HD22	2:2p:200:LEU:HD11	1.85	0.59
2:1r:223:ARG:HD3	2:3r:227:GLY:O	1.93	0.59
2:1r:228:ALA:HB1	2:2p:228:ALA:HB1	1.79	0.59
2:1r:239:THR:CG2	2:2p:247:LYS:HB3	2.33	0.59
2:1s:263:VAL:CG2	2:3s:256:ALA:HB1	2.00	0.59
2:2o:62:ALA:CA	2:2o:110:LEU:O	2.51	0.59
2:2o:223:ARG:NH1	2:1x:227:GLY:O	2.36	0.59
2:5k:279:ILE:HG21	2:6s:272:VAL:HG11	1.84	0.59
2:6r:248:GLY:O	2:7u:280:SER:OG	2.10	0.59
2:6t:263:VAL:HG21	2:9L:256:ALA:CB	2.26	0.59
2:1v:239:THR:CG2	2:2u:247:LYS:HB3	2.33	0.59
2:2u:240:THR:O	2:3v:246:LYS:HG2	2.03	0.59
2:2x:62:ALA:CA	2:2x:110:LEU:O	2.51	0.59
2:6v:110:LEU:HD13	2:6v:110:LEU:H	1.65	0.59
2:7x:226:ILE:CD1	2:9N:226:ILE:HD13	2.25	0.59
2:9M:76:ASN:ND2	2:9M:116:LYS:CD	2.59	0.59
2:9M:199:LEU:HB3	2:9J:188:THR:HG23	1.85	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5E:447:GLN:HG3	2:5e:44:VAL:CG2	2.32	0.59
1:5F:446:ALA:O	2:5f:56:ASN:CB	2.50	0.59
1:3I:203:PRO:HA	1:3I:209:ALA:CB	2.33	0.59
1:5J:252:ASP:OD1	1:5J:252:ASP:C	2.44	0.59
1:8I:230:SER:OG	1:8I:231:ARG:N	2.34	0.59
1:9C:394:THR:OG1	2:9H:16:TYR:HE1	1.85	0.59
1:4S:202:GLU:HG2	1:4S:343:SER:HB2	1.85	0.59
1:8V:93:LEU:HD12	1:8V:93:LEU:C	2.28	0.59
1:1c:207:THR:CB	1:1d:355:SER:OG	2.49	0.59
1:4Y:202:GLU:HG2	1:4Y:343:SER:HB2	1.85	0.59
1:4Y:408:GLU:OE1	1:4Y:408:GLU:HA	2.03	0.59
1:8b:93:LEU:HD12	1:8b:93:LEU:C	2.28	0.59
2:2a:27:ILE:HA	2:3f:73:VAL:HG11	1.85	0.59
2:2c:62:ALA:CA	2:2c:110:LEU:O	2.51	0.59
2:3e:110:LEU:HD12	2:3e:110:LEU:C	2.28	0.59
2:6g:238:THR:C	2:7Z:247:LYS:N	2.59	0.59
2:6g:242:LEU:HD13	2:7Z:235:PRO:CA	2.24	0.59
2:6g:242:LEU:HD21	2:7Z:236:ALA:CB	2.32	0.59
2:7a:239:THR:HA	2:6v:247:LYS:O	2.03	0.59
2:7a:242:LEU:CD2	2:6v:244:GLY:O	2.44	0.59
2:8g:266:LEU:CG	2:8k:254:SER:CB	2.76	0.59
2:1k:125:ILE:HD13	2:3k:136:LEU:HD21	1.84	0.59
2:1k:180:VAL:HG11	2:3k:184:LEU:HA	1.85	0.59
2:2g:222:LEU:C	2:3i:226:ILE:HD12	2.28	0.59
2:2h:229:GLY:O	2:3p:229:GLY:N	2.34	0.59
2:2h:238:THR:O	2:3p:245:VAL:O	2.21	0.59
2:2i:246:LYS:HB3	2:3o:238:THR:O	2.03	0.59
2:3j:97:TYR:CE2	2:3j:111:VAL:HB	2.38	0.59
2:5g:279:ILE:HG21	2:6k:272:VAL:HG11	1.84	0.59
2:6j:242:LEU:CD2	2:5j:236:ALA:HA	2.33	0.59
2:6k:76:ASN:ND2	2:6k:116:LYS:HD2	2.11	0.59
2:7i:120:ILE:HG21	2:8l:120:ILE:HD13	1.83	0.59
2:8m:111:VAL:HG22	2:9H:57:MET:CE	2.28	0.59
2:2k:206:VAL:CG2	2:3n:209:LEU:O	2.44	0.59
2:2m:238:THR:O	2:3t:245:VAL:O	2.21	0.59
2:3m:110:LEU:C	2:3m:110:LEU:HD12	2.28	0.59
2:6n:246:LYS:HE2	2:7p:240:THR:C	2.25	0.59
2:7k:62:ALA:CA	2:7k:110:LEU:O	2.51	0.59
2:7l:62:ALA:CA	2:7l:110:LEU:O	2.51	0.59
2:7m:265:ASP:CB	2:8v:266:LEU:CD2	2.81	0.59
2:8q:280:SER:C	2:9H:249:ALA:O	2.44	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1t:110:LEU:HD12	2:1t:110:LEU:C	2.28	0.59
2:2q:62:ALA:CA	2:2q:110:LEU:O	2.51	0.59
2:2q:222:LEU:C	2:3q:226:ILE:HD12	2.28	0.59
2:2s:28:ILE:HD11	2:1w:99:VAL:HG12	1.85	0.59
2:2s:57:MET:CE	2:1w:61:ALA:HB1	2.29	0.59
2:7p:62:ALA:CA	2:7p:110:LEU:O	2.51	0.59
2:1u:226:ILE:HD11	2:2t:226:ILE:CD1	2.19	0.59
2:2t:62:ALA:CA	2:2t:110:LEU:O	2.51	0.59
2:2u:225:MET:HG3	2:3v:214:PRO:CG	2.32	0.59
2:2v:238:THR:C	2:4m:247:LYS:CB	2.75	0.59
2:3u:273:LEU:HD21	2:4m:279:ILE:HG21	1.81	0.59
2:5m:97:TYR:CE2	2:5m:111:VAL:HB	2.38	0.59
2:5m:279:ILE:HG21	2:6w:272:VAL:HG11	1.84	0.59
2:5n:226:ILE:O	2:7u:223:ARG:HG3	2.02	0.59
2:7u:62:ALA:CA	2:7u:110:LEU:O	2.51	0.59
1:3C:203:PRO:HA	1:3C:209:ALA:CB	2.33	0.58
1:3C:314:ASN:OD1	1:3C:314:ASN:C	2.45	0.58
1:5A:206:SER:OG	1:5A:207:THR:N	2.35	0.58
1:5K:245:GLU:OE1	1:5K:245:GLU:N	2.26	0.58
1:7M:202:GLU:HA	1:7M:343:SER:HB2	1.84	0.58
1:7M:443:SER:C	2:7k:45:LYS:NZ	2.61	0.58
1:8Q:448:ALA:O	2:8t:60:LEU:HD12	2.03	0.58
1:1W:203:PRO:C	1:1W:205:SER:H	2.11	0.58
1:3S:245:GLU:OE1	1:3S:245:GLU:N	2.26	0.58
1:3T:230:SER:OG	1:3T:231:ARG:N	2.32	0.58
1:7S:397:THR:HG23	2:7o:107:LEU:HD12	1.85	0.58
1:9D:403:SER:C	2:9I:16:TYR:HH	2.10	0.58
1:9D:445:GLY:HA3	2:9I:53:THR:OG1	2.01	0.58
1:1b:393:GLY:CA	2:1x:107:LEU:HD11	2.33	0.58
1:3b:446:ALA:O	2:3w:56:ASN:N	2.24	0.58
2:2a:242:LEU:HD13	2:3f:244:GLY:H	1.68	0.58
2:2b:197:GLN:HE21	2:3e:201:VAL:CA	2.09	0.58
2:2c:226:ILE:C	2:3l:223:ARG:N	2.59	0.58
2:4f:110:LEU:HD12	2:4f:110:LEU:C	2.28	0.58
2:5f:226:ILE:O	2:7a:223:ARG:HG3	2.02	0.58
2:7c:247:LYS:HE3	2:8j:277:GLY:HA2	1.85	0.58
2:8h:226:ILE:O	2:7i:223:ARG:HG2	2.01	0.58
2:8j:76:ASN:ND2	2:8j:116:LYS:CD	2.59	0.58
2:1j:122:VAL:HG23	2:3j:127:ASP:OD1	2.02	0.58
2:1j:244:GLY:H	2:3j:242:LEU:HD13	1.68	0.58
2:2f:242:LEU:C	2:3j:234:LEU:CD2	2.58	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:226:ILE:HG21	2:3p:222:LEU:CD2	2.28	0.58
2:4h:110:LEU:HD12	2:4h:110:LEU:C	2.28	0.58
2:4h:247:LYS:HZ3	2:3p:239:THR:HG23	1.66	0.58
2:5g:267:ASN:ND2	2:6k:254:SER:CA	2.52	0.58
2:5g:277:GLY:C	2:6k:247:LYS:HE3	2.27	0.58
2:6i:251:VAL:O	2:8o:270:ILE:HG21	2.03	0.58
2:7i:62:ALA:CA	2:7i:110:LEU:O	2.51	0.58
2:7i:267:ASN:O	2:7i:271:THR:HG23	2.01	0.58
2:8k:201:VAL:HG23	2:9G:197:GLN:HE21	1.64	0.58
2:8k:240:THR:O	2:9G:246:LYS:NZ	2.15	0.58
2:8p:110:LEU:C	2:8p:110:LEU:HD12	2.28	0.58
2:1n:110:LEU:HD12	2:1n:110:LEU:C	2.28	0.58
2:1o:180:VAL:HG11	2:3o:184:LEU:HA	1.84	0.58
2:2k:225:MET:HG3	2:3n:214:PRO:CG	2.32	0.58
2:2m:242:LEU:HD12	2:3t:235:PRO:CA	2.30	0.58
2:2n:158[B]:ILE:CG2	2:3s:149[B]:ILE:HG23	2.33	0.58
2:3p:97:TYR:CE2	2:3p:111:VAL:HB	2.38	0.58
2:5j:226:ILE:O	2:7k:223:ARG:HG3	2.02	0.58
2:6m:251:VAL:O	2:8u:270:ILE:HG21	2.03	0.58
2:7m:183:PHE:HE2	2:8v:183:PHE:CD2	2.21	0.58
2:8u:74:GLY:HA3	2:7q:23:GLN:CG	2.33	0.58
2:2s:231:PRO:HG3	2:3w:229:GLY:CA	2.32	0.58
2:2s:266:LEU:CA	2:3w:266:LEU:CD2	2.81	0.58
2:4l:97:TYR:OH	2:3x:41:TYR:CZ	2.55	0.58
2:6q:242:LEU:HD22	2:7v:244:GLY:C	2.28	0.58
2:6s:110:LEU:HD12	2:6s:110:LEU:C	2.28	0.58
2:6s:238:THR:C	2:7o:247:LYS:N	2.59	0.58
2:1w:229:GLY:HA2	2:3w:231:PRO:CG	2.17	0.58
2:2u:62:ALA:CA	2:2u:110:LEU:O	2.51	0.58
2:2v:141:PRO:HB2	2:3u:150:GLU:CD	2.28	0.58
2:5m:126:LYS:HG3	2:6w:119:SER:HB3	1.84	0.58
2:9M:206:VAL:CG1	2:9J:210:LEU:HA	2.33	0.58
1:5D:252:ASP:OD1	1:5D:252:ASP:C	2.44	0.58
1:1G:235:SER:HB3	1:1G:334:ARG:HB3	1.85	0.58
1:8G:137:GLN:HG3	1:8G:137:GLN:O	2.02	0.58
1:8H:444:GLY:H	2:8l:45:LYS:HZ2	1.51	0.58
1:8K:245:GLU:OE1	1:8K:245:GLU:N	2.27	0.58
1:1O:200:ILE:HD12	1:1O:213:PHE:CD1	2.38	0.58
1:5P:228:GLN:OE1	1:5P:228:GLN:N	2.26	0.58
1:2P:405:SER:O	2:2r:44:VAL:O	2.21	0.58
1:2T:28:GLN:HG2	2:1r:52:LEU:HD11	1.84	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5S:252:ASP:OD1	1:5S:252:ASP:C	2.46	0.58
1:6S:392:THR:HB	2:6t:107:LEU:HG	1.83	0.58
1:5Y:252:ASP:OD1	1:5Y:252:ASP:C	2.46	0.58
1:8b:445:GLY:N	2:9Q:45:LYS:HD2	2.17	0.58
2:1e:28:ILE:CG1	2:1l:73:VAL:CG1	2.81	0.58
2:1g:273:LEU:CD1	2:3g:273:LEU:HD21	2.32	0.58
2:1h:73:VAL:CG1	2:1u:28:ILE:CG1	2.81	0.58
2:1h:247:LYS:N	2:1u:238:THR:O	2.29	0.58
2:2a:62:ALA:CA	2:2a:110:LEU:O	2.51	0.58
2:2d:62:ALA:CA	2:2d:110:LEU:O	2.51	0.58
2:2d:190:ASP:OD1	2:3k:202:SER:OG	2.14	0.58
2:3e:229:GLY:O	2:4e:229:GLY:N	2.28	0.58
2:3g:227:GLY:N	2:2x:219:LYS:CE	2.66	0.58
2:3g:279:ILE:HG21	2:2x:273:LEU:CD2	2.32	0.58
2:5e:277:GLY:C	2:6g:247:LYS:HE3	2.27	0.58
2:5e:279:ILE:HG21	2:6g:272:VAL:HG11	1.84	0.58
2:7a:62:ALA:CA	2:7a:110:LEU:O	2.51	0.58
2:7c:265:ASP:CB	2:8j:266:LEU:CD2	2.81	0.58
2:8e:201:VAL:O	2:9F:193:LYS:CE	2.48	0.58
2:1k:97:TYR:CE2	2:1k:111:VAL:HB	2.38	0.58
2:2h:226:ILE:C	2:3p:223:ARG:N	2.59	0.58
2:6i:148[B]:ILE:HD12	2:7l:148[B]:ILE:CD1	2.28	0.58
2:7h:62:ALA:CA	2:7h:110:LEU:O	2.51	0.58
2:7h:219:LYS:HE3	2:8p:226:ILE:C	2.28	0.58
2:8n:228:ALA:HA	2:7n:229:GLY:O	2.02	0.58
2:1n:122:VAL:HG23	2:3n:127:ASP:OD1	2.03	0.58
2:1n:239:THR:CG2	2:2k:247:LYS:HB3	2.33	0.58
2:1o:245:VAL:HG13	2:3o:245:VAL:HG22	1.77	0.58
2:2k:240:THR:O	2:3n:246:LYS:HG2	2.03	0.58
2:2n:62:ALA:CA	2:2n:110:LEU:O	2.51	0.58
2:6n:214:PRO:CG	2:7p:225:MET:HG2	2.32	0.58
2:6o:110:LEU:C	2:6o:110:LEU:HD12	2.28	0.58
2:7m:62:ALA:CA	2:7m:110:LEU:O	2.51	0.58
2:7m:266:LEU:H	2:8v:266:LEU:HD22	1.66	0.58
2:8q:235:PRO:HD2	2:9H:234:LEU:HD22	1.85	0.58
2:8s:263:VAL:CG2	2:8w:256:ALA:C	2.55	0.58
2:8t:110:LEU:HD12	2:8t:110:LEU:C	2.28	0.58
2:8u:226:ILE:HD11	2:7q:226:ILE:HD12	1.85	0.58
2:9H:62:ALA:CA	2:9H:110:LEU:O	2.51	0.58
2:1s:280:SER:CB	2:3s:249:ALA:HA	2.34	0.58
2:2p:62:ALA:CA	2:2p:110:LEU:O	2.51	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:219:LYS:CE	2:3w:227:GLY:N	2.66	0.58
2:3t:110:LEU:HD13	2:3t:110:LEU:H	1.65	0.58
2:7r:183:PHE:HE2	2:9L:183:PHE:CD2	2.21	0.58
2:8z:110:LEU:C	2:8z:110:LEU:HD12	2.28	0.58
2:1v:200:LEU:HD22	2:2u:200:LEU:HD11	1.85	0.58
2:1v:225:MET:O	2:2u:219:LYS:HG2	2.03	0.58
2:2v:62:ALA:CA	2:2v:110:LEU:O	2.51	0.58
2:2v:223:ARG:NE	2:3u:227:GLY:O	2.36	0.58
2:6u:251:VAL:CG2	2:9Q:270:ILE:CG1	2.74	0.58
2:7w:62:ALA:CA	2:7w:110:LEU:O	2.51	0.58
2:7w:247:LYS:HE3	2:9R:277:GLY:HA2	1.85	0.58
2:7w:254:SER:HB3	2:9R:267:ASN:OD1	2.02	0.58
1:3I:202:GLU:OE2	1:3I:291:GLU:OE2	2.19	0.58
1:3I:444:GLY:N	2:3I:45:LYS:HZ1	2.01	0.58
1:6H:448:ALA:HB2	2:6k:41:TYR:HD1	1.67	0.58
1:6K:445:GLY:O	2:6j:54:GLN:O	2.22	0.58
1:8L:447:GLN:OE1	2:8m:44:VAL:CG2	2.50	0.58
1:1Q:203:PRO:HB3	1:1Q:210:LEU:N	2.19	0.58
1:4Q:392:THR:CG2	2:4i:16:TYR:CD1	2.85	0.58
1:4S:408:GLU:HA	1:4S:408:GLU:OE1	2.03	0.58
1:6W:446:ALA:N	2:6r:44:VAL:H	1.90	0.58
1:8W:445:GLY:O	2:8z:44:VAL:N	2.34	0.58
1:1Y:235:SER:HB3	1:1Y:334:ARG:HB3	1.85	0.58
1:3Y:252:ASP:OD1	1:3Y:252:ASP:C	2.46	0.58
1:4b:314:ASN:OD1	1:4b:314:ASN:C	2.46	0.58
1:5c:203:PRO:O	1:5c:204:THR:HB	2.02	0.58
2:1f:239:THR:CG2	2:2a:247:LYS:HB3	2.33	0.58
2:1h:227:GLY:C	2:2t:223:ARG:NH1	2.61	0.58
2:1h:239:THR:C	2:2t:246:LYS:CB	2.72	0.58
2:2d:266:LEU:CA	2:3k:266:LEU:CD2	2.81	0.58
2:6f:242:LEU:CD2	2:5h:236:ALA:HA	2.33	0.58
2:7c:256:ALA:CB	2:8j:263:VAL:CG2	2.66	0.58
2:7d:229:GLY:O	2:9P:228:ALA:HA	2.02	0.58
2:8g:270:ILE:CD1	2:8k:252:THR:O	2.47	0.58
2:9F:199:LEU:HB3	2:9O:183:PHE:HD1	1.67	0.58
2:1k:273:LEU:CD1	2:3k:273:LEU:HD21	2.32	0.58
2:2f:62:ALA:CA	2:2f:110:LEU:O	2.51	0.58
2:2g:141:PRO:HB2	2:3i:150:GLU:CD	2.28	0.58
2:5h:110:LEU:HD12	2:5h:110:LEU:C	2.28	0.58
2:6i:269:LEU:HD11	2:8o:273:LEU:HD11	1.85	0.58
2:7g:62:ALA:CA	2:7g:110:LEU:O	2.51	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7h:167:LYS:HE3	2:8p:173:LEU:C	2.27	0.58
2:1m:97:TYR:CE2	2:1m:111:VAL:HB	2.38	0.58
2:1n:225:MET:O	2:2k:219:LYS:HG2	2.03	0.58
2:1o:232:TYR:OH	2:3o:234:LEU:CB	2.50	0.58
2:2l:246:LYS:C	2:3m:239:THR:HA	2.28	0.58
2:2n:266:LEU:CA	2:3s:266:LEU:CD2	2.81	0.58
2:3m:234:LEU:CD2	2:4i:243:GLY:HA2	2.34	0.58
2:3o:110:LEU:HD12	2:3o:110:LEU:C	2.28	0.58
2:4j:110:LEU:HD12	2:4j:110:LEU:C	2.28	0.58
2:6o:232:TYR:HH	2:7j:232:TYR:HE2	1.50	0.58
2:7j:62:ALA:CA	2:7j:110:LEU:O	2.51	0.58
2:8q:227:GLY:HA3	2:9H:219:LYS:NZ	2.18	0.58
2:8s:183:PHE:CD1	2:9I:199:LEU:CD1	2.85	0.58
2:8s:209:LEU:CG	2:9I:206:VAL:HG22	2.28	0.58
2:8u:97:TYR:CE2	2:8u:111:VAL:HB	2.38	0.58
2:1q:222:LEU:CG	2:2o:226:ILE:HG22	2.32	0.58
2:1s:263:VAL:HG13	2:3s:254:SER:HG	1.58	0.58
2:2o:210:LEU:CD2	2:1x:206:VAL:CG1	2.75	0.58
2:2p:242:LEU:HD13	2:3r:244:GLY:H	1.68	0.58
2:2s:248:GLY:O	2:3w:280:SER:HB2	1.97	0.58
2:4l:110:LEU:HD12	2:4l:110:LEU:C	2.28	0.58
2:7q:62:ALA:CA	2:7q:110:LEU:O	2.51	0.58
2:7r:97:TYR:OH	2:9L:41:TYR:OH	1.99	0.58
2:7r:262:ALA:HA	2:9L:263:VAL:HG22	1.83	0.58
2:2w:62:ALA:CA	2:2w:110:LEU:O	2.51	0.58
1:3A:79:LEU:C	1:3A:79:LEU:HD12	2.29	0.58
1:7A:384:VAL:HG13	2:7d:106:GLN:NE2	2.19	0.58
1:8E:136:ARG:NH2	1:8E:140:TYR:OH	2.37	0.58
1:1I:200:ILE:HG22	1:1I:216:LYS:CD	2.31	0.58
1:4G:408:GLU:HA	1:4G:408:GLU:OE1	2.03	0.58
1:4J:93:LEU:HD12	1:4J:93:LEU:C	2.27	0.58
1:6G:252:ASP:OD1	1:6G:252:ASP:C	2.46	0.58
1:7J:408:GLU:O	1:7J:408:GLU:HG3	2.03	0.58
1:8L:447:GLN:OE1	2:8m:44:VAL:HG22	2.03	0.58
1:1M:252:ASP:OD1	1:1M:252:ASP:C	2.43	0.58
1:1Q:423:GLU:OE1	1:1Q:423:GLU:N	2.32	0.58
1:3O:203:PRO:HA	1:3O:209:ALA:CB	2.33	0.58
1:4M:202:GLU:CG	1:4M:343:SER:HB2	2.33	0.58
1:7N:397:THR:CA	2:7j:107:LEU:HB2	2.33	0.58
1:1W:207:THR:CG2	1:1X:355:SER:OG	2.50	0.58
1:2Q:110:TYR:O	1:2Q:110:TYR:CG	2.54	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3U:203:PRO:HA	1:3U:209:ALA:CB	2.33	0.58
1:5W:445:GLY:HA2	2:5k:44:VAL:CB	2.25	0.58
1:1d:354:VAL:O	1:1d:354:VAL:HG23	2.02	0.58
1:4Y:200:ILE:HG22	1:4Y:216:LYS:HD3	1.83	0.58
1:7X:398:GLY:HA2	2:7t:106:GLN:NE2	2.17	0.58
2:1g:228:ALA:C	2:3g:231:PRO:HG3	2.27	0.58
2:1g:229:GLY:HA2	2:3g:231:PRO:CG	2.17	0.58
2:1h:110:LEU:HD12	2:1h:110:LEU:C	2.28	0.58
2:2b:200:LEU:CD1	2:3e:200:LEU:HD22	2.33	0.58
2:2d:158[B]:ILE:CG2	2:3k:149[B]:ILE:HG23	2.33	0.58
2:2d:219:LYS:CE	2:3k:227:GLY:N	2.66	0.58
2:3f:99:VAL:CG2	2:3f:109:THR:O	2.41	0.58
2:3g:266:LEU:CD2	2:2x:266:LEU:CA	2.81	0.58
2:4f:244:GLY:CA	2:3l:242:LEU:HD13	2.32	0.58
2:4f:247:LYS:CD	2:3l:238:THR:O	2.42	0.58
2:6e:110:LEU:HD12	2:6e:110:LEU:C	2.28	0.58
2:6e:269:LEU:HD11	2:8i:273:LEU:HD11	1.85	0.58
2:6f:239:THR:CA	2:5h:247:LYS:HB3	2.32	0.58
2:7b:23:GLN:CG	2:9Q:74:GLY:HA3	2.33	0.58
2:7d:62:ALA:CA	2:7d:110:LEU:O	2.51	0.58
2:7d:242:LEU:HD22	2:8f:245:VAL:N	2.19	0.58
2:8e:206:VAL:HG23	2:9F:212:GLY:HA2	1.85	0.58
2:9F:238:THR:C	2:9O:247:LYS:HB2	2.28	0.58
2:2g:120:ILE:CD1	2:4g:120:ILE:CD1	2.49	0.58
2:5g:99:VAL:CG2	2:5g:109:THR:O	2.41	0.58
2:6i:76:ASN:ND2	2:6i:116:LYS:CD	2.59	0.58
2:8l:97:TYR:C	2:8l:110:LEU:CB	2.71	0.58
2:8n:239:THR:N	2:7n:247:LYS:HB3	2.18	0.58
2:1o:148[B]:ILE:HD13	2:3o:148[B]:ILE:HD13	1.83	0.58
2:1p:110:LEU:HD12	2:1p:110:LEU:C	2.28	0.58
2:2l:200:LEU:CD1	2:3m:200:LEU:HD22	2.33	0.58
2:7m:120:ILE:HD11	2:8v:120:ILE:HD13	1.86	0.58
2:8q:241:THR:CA	2:9H:246:LYS:HE2	2.32	0.58
2:8t:226:ILE:O	2:7s:223:ARG:HG2	2.01	0.58
2:1q:239:THR:HA	2:1x:247:LYS:HB3	1.84	0.58
2:1r:110:LEU:HD12	2:1r:110:LEU:C	2.28	0.58
2:1s:125:ILE:HD13	2:3s:136:LEU:HD21	1.84	0.58
2:2q:246:LYS:C	2:3q:239:THR:HA	2.28	0.58
2:2r:62:ALA:CA	2:2r:110:LEU:O	2.51	0.58
2:5k:126:LYS:HG3	2:6s:119:SER:HB3	1.84	0.58
2:6q:76:ASN:ND2	2:6q:116:LYS:CD	2.59	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:227:GLY:CA	2:7o:223:ARG:NH1	2.50	0.58
2:9K:74:GLY:HA3	2:7v:23:GLN:CG	2.34	0.58
2:9K:97:TYR:CE2	2:9K:111:VAL:HB	2.38	0.58
2:9K:245:VAL:C	2:7v:242:LEU:CD2	2.77	0.58
2:2v:222:LEU:C	2:3u:226:ILE:HD12	2.28	0.58
2:4m:97:TYR:C	2:4m:110:LEU:CB	2.71	0.58
2:6u:251:VAL:HG13	2:9Q:279:ILE:HD11	1.63	0.58
2:6w:176:SER:HB3	2:7t:167:LYS:HD3	1.86	0.58
2:6w:226:ILE:CG2	2:7t:222:LEU:HB3	2.25	0.58
2:9J:62:ALA:CA	2:9J:110:LEU:O	2.51	0.58
1:1E:423:GLU:OE1	1:1E:423:GLU:N	2.32	0.58
1:2E:245:GLU:OE1	1:2E:245:GLU:N	2.33	0.58
1:3F:448:ALA:HB2	2:3e:41:TYR:HE1	1.69	0.58
1:7E:408:GLU:O	1:7E:408:GLU:HG3	2.03	0.58
1:8B:448:ALA:HB3	2:8f:41:TYR:HD2	1.64	0.58
1:8G:448:ALA:HB2	2:8k:41:TYR:HE1	1.68	0.58
1:9B:137:GLN:O	1:9B:137:GLN:HG3	2.02	0.58
1:2L:26:ASN:HA	2:3s:52:LEU:HD12	1.86	0.58
1:3O:314:ASN:OD1	1:3O:314:ASN:C	2.45	0.58
1:2Q:447:GLN:C	2:2q:41:TYR:CD1	2.73	0.58
1:2T:447:GLN:NE2	2:2s:44:VAL:CG1	2.64	0.58
1:3X:448:ALA:CB	2:3q:41:TYR:CE1	2.84	0.58
1:6T:355:SER:HB3	1:6T:356:PRO:HD3	1.84	0.58
1:8U:28:GLN:OE1	1:8U:28:GLN:N	2.37	0.58
1:3Y:79:LEU:HD12	1:3Y:79:LEU:C	2.29	0.58
1:4Z:154:VAL:O	1:4Z:154:VAL:CG1	2.50	0.58
1:4c:200:ILE:HG12	1:4c:342:VAL:O	2.04	0.58
1:7W:355:SER:HB2	1:7W:370:THR:N	2.12	0.58
2:1e:226:ILE:O	2:1l:223:ARG:HG3	2.02	0.58
2:1e:247:LYS:HD3	2:2Z:239:THR:CG2	2.30	0.58
2:1f:200:LEU:HD22	2:2a:200:LEU:HD11	1.85	0.58
2:1g:99:VAL:CG2	2:1g:109:THR:O	2.41	0.58
2:1h:227:GLY:O	2:2t:223:ARG:NH1	2.36	0.58
2:1h:229:GLY:O	2:1u:228:ALA:CA	2.40	0.58
2:5f:236:ALA:HA	2:6v:242:LEU:CD2	2.33	0.58
2:6e:148[B]:ILE:CD1	2:8i:148[B]:ILE:CD1	2.78	0.58
2:6e:255:THR:N	2:8i:263:VAL:HG13	2.16	0.58
2:6f:228:ALA:HB1	2:5h:228:ALA:CB	2.25	0.58
2:6f:247:LYS:O	2:7f:239:THR:HA	2.03	0.58
2:7b:62:ALA:CA	2:7b:110:LEU:O	2.51	0.58
2:7c:120:ILE:HD11	2:8j:120:ILE:HD13	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:167:LYS:HE3	2:9O:173:LEU:C	2.29	0.58
2:1k:97:TYR:C	2:1k:110:LEU:CB	2.71	0.58
2:1k:270:ILE:HG12	2:3k:269:LEU:HB2	1.86	0.58
2:2f:240:THR:O	2:3j:246:LYS:HG2	2.03	0.58
2:2i:158[B]:ILE:CG2	2:3o:149[B]:ILE:HG23	2.33	0.58
2:7h:158[B]:ILE:HG22	2:8p:149[B]:ILE:HG23	1.81	0.58
2:7h:259:VAL:HG23	2:8p:259:VAL:HG23	1.76	0.58
2:8m:247:LYS:HB2	2:9H:238:THR:C	2.28	0.58
2:6o:280:SER:HB2	2:7j:248:GLY:O	2.03	0.58
2:7n:62:ALA:CA	2:7n:110:LEU:O	2.51	0.58
2:7n:242:LEU:HD22	2:8r:245:VAL:N	2.19	0.58
2:8q:241:THR:N	2:9H:246:LYS:NZ	2.49	0.58
2:8u:245:VAL:C	2:7q:242:LEU:CD2	2.77	0.58
2:2p:200:LEU:CG	2:3r:200:LEU:HD11	2.25	0.58
2:2q:141:PRO:HB2	2:3q:150:GLU:CD	2.28	0.58
2:2r:203:ASN:HB2	2:3x:212:GLY:N	2.19	0.58
2:3t:97:TYR:C	2:3t:110:LEU:CB	2.71	0.58
2:4l:244:GLY:CA	2:3x:242:LEU:HD13	2.32	0.58
2:4l:247:LYS:HZ3	2:3x:239:THR:HG23	1.69	0.58
2:6q:253:ALA:HB1	2:9K:267:ASN:CB	2.34	0.58
2:6r:239:THR:CA	2:5n:247:LYS:O	2.52	0.58
2:6s:280:SER:HB2	2:7o:248:GLY:O	2.03	0.58
2:8z:226:ILE:O	2:7x:223:ARG:HG2	2.01	0.58
2:1v:244:GLY:H	2:3v:242:LEU:HD13	1.69	0.58
2:1x:110:LEU:HD12	2:1x:110:LEU:C	2.28	0.58
2:4n:110:LEU:C	2:4n:110:LEU:HD12	2.28	0.58
2:7w:120:ILE:HD11	2:9R:120:ILE:HD13	1.86	0.58
2:7x:57:MET:CE	2:9N:111:VAL:HG13	2.32	0.58
2:9M:180:VAL:CG1	2:9J:184:LEU:CA	2.66	0.58
2:9M:270:ILE:HG23	2:9J:269:LEU:CD1	2.15	0.58
2:9P:110:LEU:C	2:9P:110:LEU:HD12	2.28	0.58
1:1B:314:ASN:OD1	1:1B:314:ASN:C	2.47	0.58
1:1E:203:PRO:HB3	1:1E:210:LEU:N	2.19	0.58
1:5D:245:GLU:OE1	1:5D:245:GLU:N	2.25	0.58
1:3G:79:LEU:HD12	1:3G:79:LEU:C	2.29	0.58
1:4G:202:GLU:HG2	1:4G:343:SER:HB2	1.85	0.58
1:6J:245:GLU:OE1	1:6J:245:GLU:N	2.24	0.58
1:8J:93:LEU:HD12	1:8J:93:LEU:C	2.28	0.58
1:3O:444:GLY:N	2:3p:45:LYS:NZ	2.51	0.58
1:3R:448:ALA:O	2:3m:63:TRP:NE1	2.36	0.58
1:4R:442:ALA:C	2:4j:56:ASN:HD21	2.11	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8M:230:SER:OG	1:8M:231:ARG:N	2.34	0.58
1:1W:91:ILE:HG22	1:1W:91:ILE:O	2.04	0.58
1:4W:228:GLN:OE1	1:4W:228:GLN:N	2.21	0.58
1:5V:245:GLU:OE1	1:5V:245:GLU:N	2.25	0.58
1:5W:203:PRO:O	1:5W:204:THR:HB	2.02	0.58
1:1c:111:ASP:OD1	1:1c:111:ASP:C	2.45	0.58
1:4Y:208:GLY:O	1:4Y:212:GLU:HG3	2.04	0.58
1:6Z:448:ALA:HB3	2:6w:57:MET:HE1	1.85	0.58
1:8d:228:GLN:OE1	1:8d:228:GLN:N	2.26	0.58
2:1e:239:THR:HA	2:1l:247:LYS:HB3	1.84	0.58
2:1f:244:GLY:H	2:3f:242:LEU:HD13	1.68	0.58
2:1g:273:LEU:HD13	2:3g:269:LEU:HD11	1.73	0.58
2:1h:97:TYR:OH	2:1u:41:TYR:CZ	2.54	0.58
2:1h:247:LYS:HB3	2:1u:239:THR:HA	1.84	0.58
2:2b:222:LEU:C	2:3e:226:ILE:HD12	2.28	0.58
2:2c:203:ASN:HB2	2:3l:212:GLY:N	2.19	0.58
2:3g:149[B]:ILE:HG23	2:2x:158[B]:ILE:CG2	2.33	0.58
2:3g:229:GLY:CA	2:2x:231:PRO:HG3	2.32	0.58
2:6g:76:ASN:ND2	2:6g:116:LYS:HD2	2.11	0.58
2:7b:226:ILE:HD12	2:9Q:226:ILE:HD11	1.85	0.58
2:7c:234:LEU:CD2	2:8j:234:LEU:HD11	2.32	0.58
2:7d:111:VAL:HG11	2:9P:41:TYR:OH	2.04	0.58
2:7d:120:ILE:CD1	2:8f:120:ILE:CD1	2.40	0.58
2:8e:110:LEU:C	2:8e:110:LEU:HD12	2.28	0.58
2:8e:235:PRO:HD2	2:9F:234:LEU:HD22	1.85	0.58
2:8g:259:VAL:HG21	2:8k:258:ASP:HA	1.85	0.58
2:8i:74:GLY:HA3	2:7g:23:GLN:CG	2.34	0.58
2:1i:28:ILE:CG1	2:1p:73:VAL:CG1	2.81	0.58
2:1j:110:LEU:HD12	2:1j:110:LEU:C	2.28	0.58
2:2e:223:ARG:NH1	2:1p:227:GLY:C	2.61	0.58
2:3i:97:TYR:OH	2:4g:41:TYR:OH	2.19	0.58
2:3i:110:LEU:HD12	2:3i:110:LEU:C	2.28	0.58
2:4g:97:TYR:CE2	2:4g:111:VAL:HB	2.38	0.58
2:5h:226:ILE:O	2:7f:223:ARG:HG3	2.02	0.58
2:6i:140:THR:HA	2:8o:131:THR:OG1	2.04	0.58
2:6j:273:LEU:CD2	2:7k:279:ILE:CG2	2.82	0.58
2:7h:234:LEU:HD13	2:8p:234:LEU:CD1	2.31	0.58
2:8k:201:VAL:O	2:9G:193:LYS:CE	2.48	0.58
2:8m:148[A]:ILE:CG2	2:8q:145:ARG:HG2	2.34	0.58
2:8n:110:LEU:HD12	2:8n:110:LEU:C	2.28	0.58
2:2l:141:PRO:HB2	2:3m:150:GLU:CD	2.28	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:136:LEU:O	2:4j:132:GLY:HA3	2.04	0.58
2:2m:203:ASN:HB2	2:3t:212:GLY:N	2.19	0.58
2:4j:247:LYS:CD	2:3t:238:THR:O	2.42	0.58
2:5j:110:LEU:HD12	2:5j:110:LEU:C	2.28	0.58
2:6n:247:LYS:O	2:7p:239:THR:HA	2.03	0.58
2:8v:110:LEU:HD12	2:8v:110:LEU:C	2.28	0.58
2:2p:240:THR:O	2:3r:246:LYS:HG2	2.03	0.58
2:5l:226:ILE:O	2:7p:223:ARG:HG3	2.03	0.58
2:6r:97:TYR:CE2	2:6r:111:VAL:HB	2.38	0.58
2:8w:259:VAL:CG1	2:9l:259:VAL:N	2.43	0.58
2:8y:237:ALA:HB1	2:9M:247:LYS:CB	2.22	0.58
2:8y:270:ILE:HD12	2:9M:253:ALA:CA	2.25	0.58
2:9L:110:LEU:HD12	2:9L:110:LEU:C	2.28	0.58
2:1u:97:TYR:CE2	2:1u:111:VAL:HB	2.38	0.58
2:1v:110:LEU:C	2:1v:110:LEU:HD12	2.28	0.58
2:1v:122:VAL:HG23	2:3v:127:ASP:OD1	2.03	0.58
2:2v:223:ARG:CD	2:3u:228:ALA:N	2.54	0.58
2:2v:226:ILE:O	2:4m:223:ARG:CG	2.52	0.58
2:7w:269:LEU:HD21	2:9R:269:LEU:CG	2.26	0.58
2:7x:242:LEU:HD22	2:9N:245:VAL:N	2.19	0.58
1:1C:447:GLN:HG3	2:1g:60:LEU:CD1	2.32	0.58
1:6A:447:GLN:CA	2:6h:56:ASN:HB2	2.34	0.58
1:3G:228:GLN:OE1	1:3G:228:GLN:N	2.30	0.58
1:3I:444:GLY:H	2:3l:45:LYS:HZ1	1.51	0.58
1:4L:358:ILE:HG23	1:4L:358:ILE:O	2.04	0.58
1:5K:448:ALA:HA	2:5g:57:MET:HE1	1.85	0.58
1:1R:354:VAL:HG23	1:1R:354:VAL:O	2.02	0.58
1:3O:443:SER:C	2:3p:45:LYS:NZ	2.62	0.58
1:3O:448:ALA:HB2	2:3p:41:TYR:HA	1.84	0.58
1:4M:208:GLY:O	1:4M:212:GLU:HG3	2.04	0.58
1:4Q:392:THR:HG21	2:4i:66:ILE:HD11	1.86	0.58
1:5R:422:THR:HB	1:5R:427:LYS:HG3	0.71	0.58
1:3X:448:ALA:CA	2:3q:41:TYR:CD1	2.87	0.58
1:4S:208:GLY:O	1:4S:212:GLU:HG3	2.04	0.58
1:4W:200:ILE:HG12	1:4W:342:VAL:O	2.04	0.58
1:7R:385:TRP:H	2:7p:106:GLN:HE22	1.52	0.58
1:1c:91:ILE:HG22	1:1c:91:ILE:O	2.04	0.58
1:2U:392:THR:HA	2:2w:46:ASP:OD2	2.03	0.58
1:3d:355:SER:HB3	1:3d:356:PRO:HD3	1.86	0.58
1:8d:202:GLU:N	1:8d:203:PRO:HD3	2.17	0.58
2:1f:225:MET:O	2:2a:219:LYS:HG2	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:238:THR:O	2:3l:245:VAL:O	2.21	0.58
2:3h:235:PRO:CA	2:2w:242:LEU:HD12	2.30	0.58
2:4f:247:LYS:HD3	2:3l:239:THR:CB	2.26	0.58
2:5f:110:LEU:HD12	2:5f:110:LEU:C	2.28	0.58
2:7b:244:GLY:C	2:6u:242:LEU:HD22	2.28	0.58
2:7c:62:ALA:CA	2:7c:110:LEU:O	2.51	0.58
2:8g:183:PHE:CD1	2:9G:199:LEU:CD1	2.85	0.58
2:1j:225:MET:O	2:2f:219:LYS:HG2	2.03	0.58
2:2i:62:ALA:CA	2:2i:110:LEU:O	2.51	0.58
2:5g:154:ALA:HB1	2:6k:158[B]:ILE:HA	1.85	0.58
2:6k:238:THR:C	2:7e:247:LYS:N	2.59	0.58
2:6k:242:LEU:HD21	2:7e:236:ALA:CB	2.32	0.58
2:7e:62:ALA:CA	2:7e:110:LEU:O	2.51	0.58
2:7h:265:ASP:CB	2:8p:266:LEU:CD2	2.81	0.58
2:8m:259:VAL:HG21	2:8q:258:ASP:HA	1.85	0.58
2:8o:74:GLY:HA3	2:7l:23:GLN:CG	2.33	0.58
2:1n:200:LEU:HD22	2:2k:200:LEU:HD11	1.85	0.58
2:1n:244:GLY:HA3	2:3n:242:LEU:HD13	1.83	0.58
2:1o:273:LEU:HD22	2:3o:273:LEU:CD2	2.34	0.58
2:2l:62:ALA:CA	2:2l:110:LEU:O	2.51	0.58
2:2m:120:ILE:HD11	2:4j:125:ILE:HG12	1.86	0.58
2:2n:28:ILE:HD12	2:1s:99:VAL:HG12	1.84	0.58
2:6m:110:LEU:HD12	2:6m:110:LEU:C	2.28	0.58
2:8t:239:THR:HG22	2:7s:247:LYS:CB	2.34	0.58
2:1r:244:GLY:CA	2:3r:242:LEU:CB	2.69	0.58
2:1s:180:VAL:HG11	2:3s:184:LEU:HA	1.84	0.58
2:2o:223:ARG:NH1	2:1x:227:GLY:C	2.61	0.58
2:2o:236:ALA:CB	2:1x:242:LEU:HD21	2.34	0.58
2:2s:273:LEU:HD23	2:3w:279:ILE:HG23	1.80	0.58
2:3q:234:LEU:CD2	2:4k:243:GLY:HA2	2.34	0.58
2:6q:110:LEU:HD12	2:6q:110:LEU:C	2.28	0.58
2:6r:273:LEU:CD2	2:7u:279:ILE:CG2	2.82	0.58
2:7r:120:ILE:HD11	2:9L:120:ILE:HD13	1.85	0.58
2:8w:110:LEU:HD12	2:8w:110:LEU:C	2.28	0.58
2:8y:173:LEU:C	2:9M:167:LYS:HE3	2.29	0.58
2:1w:273:LEU:CD1	2:3w:273:LEU:HD21	2.32	0.58
2:1w:273:LEU:HD22	2:3w:273:LEU:CD2	2.34	0.58
2:2v:200:LEU:CD1	2:3u:200:LEU:HD22	2.33	0.58
2:2v:239:THR:CG2	2:4m:247:LYS:O	2.47	0.58
2:6u:148[B]:ILE:CD1	2:9Q:148[B]:ILE:CD1	2.78	0.58
2:7t:62:ALA:CA	2:7t:110:LEU:O	2.51	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:272:VAL:HG11	2:9R:279:ILE:CG2	2.32	0.58
2:9R:116:LYS:HA	2:9R:116:LYS:CE	2.22	0.58
1:2B:357:ASN:O	1:2B:434:VAL:N	2.35	0.58
1:4D:314:ASN:OD1	1:4D:314:ASN:C	2.46	0.58
1:6D:245:GLU:OE1	1:6D:245:GLU:N	2.24	0.58
1:1K:203:PRO:HB3	1:1K:210:LEU:N	2.19	0.58
1:3I:314:ASN:C	1:3I:314:ASN:OD1	2.45	0.58
1:5G:245:GLU:OE1	1:5G:245:GLU:N	2.23	0.58
1:5L:448:ALA:HA	2:5h:41:TYR:CE1	2.37	0.58
1:8L:208:GLY:O	1:8L:212:GLU:CG	2.33	0.58
1:4P:314:ASN:OD1	1:4P:314:ASN:C	2.46	0.58
1:5Q:228:GLN:OE1	1:5Q:228:GLN:N	2.23	0.58
1:8N:443:SER:HA	2:8r:45:LYS:HZ1	1.66	0.58
1:8N:445:GLY:HA2	2:8r:44:VAL:HB	1.85	0.58
1:1W:203:PRO:HB3	1:1W:210:LEU:N	2.18	0.58
1:7T:25:ARG:NH1	2:5l:51:ASP:OD1	2.37	0.58
1:9D:392:THR:OG1	2:9I:46:ASP:HB2	2.03	0.58
1:2V:356:PRO:HG2	1:2V:369:PHE:CG	2.27	0.58
1:4b:208:GLY:O	1:4b:212:GLU:HG3	2.04	0.58
1:5Y:206:SER:OG	1:5Y:207:THR:N	2.35	0.58
1:7Y:408:GLU:HG3	1:7Y:408:GLU:O	2.03	0.58
1:8Y:447:GLN:NE2	2:9M:56:ASN:HB2	2.19	0.58
2:1g:270:ILE:HG12	2:3g:269:LEU:HB2	1.86	0.58
2:2a:226:ILE:HB	2:3f:222:LEU:CB	2.32	0.58
2:2d:246:LYS:HB3	2:3k:238:THR:O	2.03	0.58
2:3e:246:LYS:CD	2:4e:240:THR:C	2.77	0.58
2:3h:97:TYR:CE2	2:3h:111:VAL:HB	2.38	0.58
2:3h:120:ILE:CD1	2:2w:120:ILE:CD1	2.68	0.58
2:3h:245:VAL:O	2:2w:238:THR:O	2.21	0.58
2:8g:111:VAL:HG22	2:9G:57:MET:CE	2.28	0.58
2:8g:173:LEU:C	2:8k:167:LYS:HE3	2.29	0.58
2:8i:97:TYR:C	2:8i:110:LEU:CB	2.71	0.58
2:8j:110:LEU:HD12	2:8j:110:LEU:C	2.28	0.58
2:1i:239:THR:HA	2:1p:247:LYS:HB3	1.84	0.58
2:1j:239:THR:CG2	2:2f:247:LYS:HB3	2.33	0.58
2:1k:173:LEU:C	2:3k:167:LYS:HE3	2.29	0.58
2:2h:62:ALA:CA	2:2h:110:LEU:O	2.51	0.58
2:2i:28:ILE:HD11	2:1o:99:VAL:HG12	1.85	0.58
2:2i:245:VAL:C	2:3o:237:ALA:HB1	2.27	0.58
2:3i:246:LYS:CD	2:4g:240:THR:C	2.77	0.58
2:1o:263:VAL:CG2	2:3o:256:ALA:HB1	2.00	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2k:62:ALA:CA	2:2k:110:LEU:O	2.51	0.58
2:2l:223:ARG:NE	2:3m:227:GLY:O	2.36	0.58
2:2m:222:LEU:HD22	2:3t:209:LEU:HD21	1.81	0.58
2:2n:126:LYS:HG3	2:1s:119:SER:HB3	1.84	0.58
2:3m:246:LYS:CD	2:4i:240:THR:C	2.77	0.58
2:6p:278:ILE:HD13	2:7m:278:ILE:CG2	2.34	0.58
2:8s:173:LEU:C	2:8w:167:LYS:HE3	2.29	0.58
2:8t:76:ASN:ND2	2:8t:116:LYS:HD2	2.11	0.58
2:8u:99:VAL:CG2	2:8u:109:THR:O	2.41	0.58
2:1s:173:LEU:C	2:3s:167:LYS:HE3	2.29	0.58
2:2q:223:ARG:NE	2:3q:227:GLY:O	2.36	0.58
2:3q:246:LYS:CD	2:4k:240:THR:C	2.77	0.58
2:5k:154:ALA:HB1	2:6s:158[B]:ILE:HA	1.85	0.58
2:5k:277:GLY:C	2:6s:247:LYS:HE3	2.27	0.58
2:6r:214:PRO:CG	2:7u:225:MET:HG2	2.32	0.58
2:7r:234:LEU:HD13	2:9L:234:LEU:CD1	2.30	0.58
2:7r:278:ILE:CD1	2:9L:278:ILE:HG22	2.28	0.58
2:1w:232:TYR:OH	2:3w:234:LEU:CB	2.50	0.58
2:7w:258:ASP:O	2:9R:259:VAL:HG13	2.03	0.58
1:4B:203:PRO:O	1:4B:204:THR:HB	2.03	0.58
1:4F:358:ILE:O	1:4F:358:ILE:HG23	2.04	0.58
1:8F:252:ASP:OD1	1:8F:252:ASP:C	2.46	0.58
1:8J:445:GLY:HA2	2:8o:45:LYS:HB2	1.86	0.58
1:1Q:203:PRO:C	1:1Q:205:SER:H	2.11	0.58
1:3R:245:GLU:OE1	1:3R:245:GLU:N	2.27	0.58
1:4P:208:GLY:O	1:4P:212:GLU:HG3	2.04	0.58
1:5Q:445:GLY:CA	2:5i:44:VAL:HB	2.33	0.58
1:6M:252:ASP:OD1	1:6M:252:ASP:C	2.45	0.58
1:1T:444:GLY:O	2:1r:44:VAL:HG23	2.04	0.58
1:1X:354:VAL:O	1:1X:354:VAL:HG23	2.02	0.58
1:7P:245:GLU:OE1	1:7P:245:GLU:N	2.34	0.58
1:8W:136:ARG:NH2	1:8W:140:TYR:OH	2.37	0.58
1:3a:314:ASN:OD1	1:3a:314:ASN:C	2.44	0.58
1:5c:446:ALA:HA	2:5m:42:VAL:O	2.04	0.58
1:7X:28:GLN:OE1	2:6q:27:ILE:CD1	2.52	0.58
1:8c:136:ARG:NH2	1:8c:140:TYR:OH	2.37	0.58
2:1g:119:SER:HB3	2:2x:126:LYS:HG3	1.84	0.58
2:2b:210:LEU:CD2	2:3e:206:VAL:HG11	2.30	0.58
2:3h:222:LEU:CD2	2:2w:226:ILE:HG21	2.28	0.58
2:6f:214:PRO:CG	2:7f:225:MET:HG2	2.32	0.58
2:6g:280:SER:HB2	2:7Z:248:GLY:O	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7d:247:LYS:HB3	2:9P:239:THR:N	2.18	0.58
2:8g:148[A]:ILE:CG2	2:8k:145:ARG:HG2	2.34	0.58
2:9F:206:VAL:HG13	2:9O:210:LEU:HD23	1.71	0.58
2:1i:122:VAL:N	2:2e:127:ASP:OD1	2.37	0.58
2:2f:206:VAL:CG2	2:3j:209:LEU:O	2.44	0.58
2:2g:62:ALA:CA	2:2g:110:LEU:O	2.51	0.58
2:2g:226:ILE:O	2:4g:223:ARG:CG	2.52	0.58
2:2h:136:LEU:O	2:4h:132:GLY:HA3	2.04	0.58
2:2h:226:ILE:HD12	2:3p:223:ARG:CA	2.25	0.58
2:2i:126:LYS:HG3	2:1o:119:SER:HB3	1.84	0.58
2:2i:219:LYS:CE	2:3o:227:GLY:N	2.66	0.58
2:2i:266:LEU:CA	2:3o:266:LEU:CD2	2.81	0.58
2:6k:280:SER:HB2	2:7e:248:GLY:O	2.03	0.58
2:7f:62:ALA:CA	2:7f:110:LEU:O	2.51	0.58
2:7h:120:ILE:HD11	2:8p:120:ILE:HD13	1.86	0.58
2:7h:247:LYS:HE3	2:8p:277:GLY:HA2	1.85	0.58
2:8o:226:ILE:HD11	2:7l:226:ILE:HD12	1.85	0.58
2:8o:245:VAL:C	2:7l:242:LEU:CD2	2.77	0.58
2:1m:28:ILE:CG1	2:1t:73:VAL:CG1	2.81	0.58
2:1n:244:GLY:H	2:3n:242:LEU:HD13	1.68	0.58
2:1o:173:LEU:C	2:3o:167:LYS:HE3	2.29	0.58
2:2m:226:ILE:HG21	2:3t:222:LEU:CD2	2.28	0.58
2:2n:245:VAL:C	2:3s:237:ALA:HB1	2.27	0.58
2:2n:246:LYS:HB3	2:3s:238:THR:O	2.03	0.58
2:5i:279:ILE:HG21	2:6o:272:VAL:HG11	1.84	0.58
2:6m:140:THR:HA	2:8u:131:THR:OG1	2.04	0.58
2:6p:148[B]:ILE:CD1	2:7m:148[B]:ILE:CD1	2.82	0.58
2:8q:201:VAL:HG23	2:9H:197:GLN:HE21	1.64	0.58
2:8s:148[A]:ILE:CG2	2:8w:145:ARG:HG2	2.34	0.58
2:2s:158[B]:ILE:CG2	2:3w:149[B]:ILE:HG23	2.33	0.58
2:3q:110:LEU:HD12	2:3q:110:LEU:C	2.28	0.58
2:6r:122:VAL:HG23	2:7u:127:ASP:OD1	2.04	0.58
2:6t:278:ILE:HD13	2:7r:278:ILE:CG2	2.34	0.58
2:9I:62:ALA:CA	2:9I:110:LEU:O	2.51	0.58
2:1w:280:SER:CB	2:3w:249:ALA:HA	2.33	0.58
2:7w:183:PHE:HE2	2:9R:183:PHE:CD2	2.21	0.58
1:2E:241:ARG:C	1:2E:241:ARG:HD2	2.29	0.58
1:6A:252:ASP:C	1:6A:252:ASP:OD1	2.46	0.58
1:3I:447:GLN:HB2	2:3l:42:VAL:HG13	1.86	0.58
1:3J:319:TYR:CD1	1:3J:319:TYR:C	2.81	0.58
1:4K:209:ALA:CB	1:4K:212:GLU:HG2	2.29	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5R:447:GLN:HG2	2:5j:44:VAL:HG13	1.83	0.58
1:7L:25:ARG:HH12	2:8v:51:ASP:CG	2.12	0.58
1:8R:446:ALA:HB2	2:8s:19:LEU:HD13	1.85	0.58
1:5X:444:GLY:N	2:5l:45:LYS:HG2	2.18	0.58
1:8S:137:GLN:O	1:8S:137:GLN:HG3	2.02	0.58
1:8X:448:ALA:C	2:8y:60:LEU:CG	2.77	0.58
1:9D:445:GLY:CA	2:9I:54:GLN:O	2.52	0.58
1:1c:203:PRO:C	1:1c:205:SER:H	2.11	0.58
1:3a:203:PRO:HA	1:3a:209:ALA:CB	2.33	0.58
1:7U:93:LEU:HD12	1:7U:93:LEU:O	2.04	0.58
1:7V:392:THR:O	2:7v:46:ASP:CG	2.46	0.58
1:7X:445:GLY:O	2:7t:45:LYS:HB3	2.04	0.58
2:1f:210:LEU:HD22	2:3f:201:VAL:CG2	2.34	0.58
2:1g:270:ILE:CG1	2:3g:251:VAL:CG2	2.80	0.58
2:2b:242:LEU:CD2	2:4e:244:GLY:O	2.41	0.58
2:2c:136:LEU:O	2:4f:132:GLY:HA3	2.04	0.58
2:2d:57:MET:CE	2:1k:61:ALA:HB1	2.29	0.58
2:2d:273:LEU:CD2	2:3k:279:ILE:HG21	2.32	0.58
2:3h:234:LEU:CD1	2:2w:242:LEU:CB	2.75	0.58
2:5e:279:ILE:CG2	2:6g:272:VAL:HG11	2.34	0.58
2:6f:122:VAL:HG23	2:7f:127:ASP:OD1	2.04	0.58
2:7b:61:ALA:CB	2:6u:57:MET:HB3	2.33	0.58
2:8e:240:THR:O	2:9F:246:LYS:NZ	2.15	0.58
2:8e:241:THR:CA	2:9F:246:LYS:HE2	2.32	0.58
2:1k:273:LEU:HD22	2:3k:273:LEU:CD2	2.34	0.58
2:2g:244:GLY:HA3	2:3i:243:GLY:H	1.42	0.58
2:2h:120:ILE:HD11	2:4h:125:ILE:HG12	1.86	0.58
2:2h:242:LEU:CB	2:3p:234:LEU:CD1	2.75	0.58
2:2i:28:ILE:HD12	2:1o:99:VAL:HG12	1.84	0.58
2:5g:247:LYS:CB	2:7e:238:THR:O	2.52	0.58
2:6i:110:LEU:HD12	2:6i:110:LEU:C	2.28	0.58
2:6l:97:TYR:CE2	2:6l:111:VAL:HB	2.38	0.58
2:6l:278:ILE:HD13	2:7h:278:ILE:CG2	2.34	0.58
2:8k:110:LEU:HD12	2:8k:110:LEU:C	2.28	0.58
2:1m:222:LEU:CG	2:2j:226:ILE:HG22	2.32	0.58
2:1n:76:ASN:ND2	2:1n:116:LYS:HD2	2.11	0.58
2:1o:270:ILE:HG12	2:3o:269:LEU:HB2	1.86	0.58
2:1o:280:SER:CB	2:3o:249:ALA:HA	2.34	0.58
2:5i:247:LYS:CB	2:7j:238:THR:O	2.52	0.58
2:5i:279:ILE:CG2	2:6o:272:VAL:HG11	2.34	0.58
2:6m:136:LEU:HD21	2:8u:125:ILE:HD13	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:269:LEU:HD22	2:8u:269:LEU:CD2	2.14	0.58
2:2s:262:ALA:HB2	2:3w:263:VAL:HG21	1.86	0.58
2:4k:99:VAL:CG2	2:4k:109:THR:O	2.40	0.58
2:6q:251:VAL:CG2	2:9K:270:ILE:CG1	2.74	0.58
2:6q:269:LEU:HD22	2:9K:269:LEU:CD2	2.14	0.58
2:6r:247:LYS:O	2:7u:239:THR:HA	2.03	0.58
2:6t:148[B]:ILE:CD1	2:7r:148[B]:ILE:CD1	2.82	0.58
2:7r:62:ALA:CA	2:7r:110:LEU:O	2.51	0.58
2:7r:219:LYS:HE3	2:9L:226:ILE:C	2.28	0.58
2:7r:247:LYS:HE3	2:9L:277:GLY:HA2	1.85	0.58
2:8w:241:THR:N	2:9I:246:LYS:NZ	2.49	0.58
2:8z:239:THR:N	2:7x:247:LYS:HB3	2.18	0.58
2:3u:110:LEU:HD12	2:3u:110:LEU:C	2.28	0.58
2:3w:110:LEU:C	2:3w:110:LEU:HD12	2.28	0.58
2:5m:266:LEU:CD2	2:6w:265:ASP:C	2.74	0.58
2:5m:279:ILE:CG2	2:6w:272:VAL:HG11	2.34	0.58
2:6u:110:LEU:HD12	2:6u:110:LEU:C	2.28	0.58
2:6u:140:THR:HA	2:9Q:131:THR:OG1	2.04	0.58
2:7w:219:LYS:HE3	2:9R:226:ILE:C	2.28	0.58
2:7x:62:ALA:CA	2:7x:110:LEU:O	2.51	0.58
1:1E:203:PRO:C	1:1E:205:SER:H	2.11	0.57
1:8A:448:ALA:CB	2:8e:41:TYR:HE1	2.17	0.57
1:8B:252:ASP:C	1:8B:252:ASP:OD1	2.46	0.57
1:1J:355:SER:CB	1:1J:356:PRO:CD	2.82	0.57
1:2G:358:ILE:O	1:2G:358:ILE:HG23	2.04	0.57
1:3L:355:SER:HB3	1:3L:356:PRO:HD3	1.86	0.57
1:8G:448:ALA:HB2	2:8k:41:TYR:CE1	2.39	0.57
1:4R:252:ASP:OD1	1:4R:252:ASP:C	2.44	0.57
1:4R:443:SER:N	2:4j:56:ASN:ND2	2.52	0.57
1:6Q:314:ASN:OD1	1:6Q:314:ASN:C	2.47	0.57
1:7L:448:ALA:HB2	2:7l:41:TYR:HD1	1.67	0.57
1:8Q:136:ARG:NH2	1:8Q:140:TYR:OH	2.37	0.57
1:8R:252:ASP:OD1	1:8R:252:ASP:C	2.46	0.57
1:6T:314:ASN:OD1	1:6T:314:ASN:C	2.43	0.57
1:7P:25:ARG:HH21	2:6s:53:THR:HA	1.69	0.57
1:7P:93:LEU:HD12	1:7P:93:LEU:O	2.04	0.57
1:9E:446:ALA:HB3	2:9J:55:VAL:HG22	1.85	0.57
2:1g:125:ILE:HD13	2:3g:136:LEU:HD21	1.84	0.57
2:2Z:62:ALA:CA	2:2Z:110:LEU:O	2.51	0.57
2:2c:120:ILE:HD11	2:4f:125:ILE:HG12	1.86	0.57
2:3g:238:THR:O	2:2x:246:LYS:HB3	2.03	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:99:VAL:CG2	2:3h:109:THR:O	2.41	0.57
2:5e:263:VAL:CG1	2:6g:254:SER:OG	2.40	0.57
2:6g:206:VAL:HG11	2:7Z:210:LEU:CA	2.22	0.57
2:7Z:62:ALA:CA	2:7Z:110:LEU:O	2.51	0.57
2:7c:219:LYS:HE3	2:8j:226:ILE:C	2.28	0.57
2:8g:175:PHE:HZ	2:9G:175:PHE:HZ	1.50	0.57
2:1i:5:PHE:CZ	2:1p:99:VAL:HG11	2.39	0.57
2:2e:62:ALA:CA	2:2e:110:LEU:O	2.51	0.57
2:2h:203:ASN:HB2	2:3p:212:GLY:N	2.19	0.57
2:4h:234:LEU:CD2	2:3p:242:LEU:HD12	2.34	0.57
2:6i:111:VAL:HG11	2:8o:41:TYR:OH	2.04	0.57
2:6i:255:THR:N	2:8o:263:VAL:HG13	2.16	0.57
2:7h:245:VAL:O	2:8p:237:ALA:CB	2.52	0.57
2:7h:278:ILE:CD1	2:8p:278:ILE:HG22	2.28	0.57
2:8k:154:ALA:HB1	2:9G:158[B]:ILE:HG23	1.86	0.57
2:8m:173:LEU:C	2:8q:167:LYS:HE3	2.29	0.57
2:2j:236:ALA:CB	2:1t:242:LEU:HD21	2.34	0.57
2:5i:246:LYS:N	2:7j:242:LEU:HD23	2.13	0.57
2:6n:239:THR:CA	2:5l:247:LYS:O	2.52	0.57
2:7m:254:SER:HB3	2:8v:267:ASN:OD1	2.03	0.57
2:8q:259:VAL:CG1	2:9H:259:VAL:N	2.43	0.57
2:1q:28:ILE:CG1	2:1x:73:VAL:CG1	2.82	0.57
2:1r:222:LEU:CB	2:3r:226:ILE:HG22	2.34	0.57
2:1s:154:ALA:CB	2:3s:158[B]:ILE:HA	2.34	0.57
2:2p:27:ILE:HA	2:3r:73:VAL:HG11	1.85	0.57
2:4l:234:LEU:CD2	2:3x:242:LEU:HD12	2.34	0.57
2:7o:62:ALA:CA	2:7o:110:LEU:O	2.51	0.57
2:7r:265:ASP:CB	2:9L:266:LEU:CD2	2.81	0.57
2:9L:76:ASN:ND2	2:9L:116:LYS:HD2	2.11	0.57
2:3u:234:LEU:CD2	2:4m:243:GLY:HA2	2.34	0.57
2:6u:251:VAL:O	2:9Q:270:ILE:HG21	2.03	0.57
2:6u:253:ALA:HB1	2:9Q:267:ASN:CB	2.34	0.57
2:6x:148[B]:ILE:HD11	2:7w:148[B]:ILE:CD1	2.31	0.57
2:7v:62:ALA:CA	2:7v:110:LEU:O	2.51	0.57
2:7w:258:ASP:HA	2:9R:259:VAL:HG11	1.78	0.57
2:9M:237:ALA:CB	2:9J:246:LYS:CA	2.66	0.57
1:3B:396:ILE:HG23	1:3B:396:ILE:O	2.05	0.57
1:7A:93:LEU:HD12	1:7A:93:LEU:O	2.04	0.57
1:8B:245:GLU:OE1	1:8B:245:GLU:N	2.32	0.57
1:8B:355:SER:HB2	1:8B:356:PRO:HD2	1.86	0.57
1:1J:448:ALA:C	2:1l:57:MET:SD	2.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1K:91:ILE:HG22	1:1K:91:ILE:O	2.04	0.57
1:3J:230:SER:OG	1:3J:231:ARG:N	2.37	0.57
1:4K:199:LYS:CG	1:4K:202:GLU:HG3	2.34	0.57
1:6G:245:GLU:OE1	1:6G:245:GLU:N	2.26	0.57
1:6K:252:ASP:OD1	1:6K:252:ASP:C	2.43	0.57
1:8G:444:GLY:O	2:8k:54:GLN:HB2	2.04	0.57
1:8I:28:GLN:OE1	1:8I:28:GLN:N	2.37	0.57
1:8K:136:ARG:NH2	1:8K:140:TYR:OH	2.37	0.57
1:4M:408:GLU:OE1	1:4M:408:GLU:HA	2.03	0.57
1:6M:274:ASP:OD1	1:6M:274:ASP:C	2.45	0.57
1:8P:93:LEU:HD12	1:8P:93:LEU:C	2.28	0.57
1:1S:235:SER:HB3	1:1S:334:ARG:HB3	1.85	0.57
1:2R:392:THR:CA	2:2p:46:ASP:OD2	2.40	0.57
1:4V:208:GLY:O	1:4V:212:GLU:HG3	2.04	0.57
1:6S:274:ASP:OD1	1:6S:274:ASP:C	2.45	0.57
1:2W:28:GLN:HE22	2:4n:27:ILE:HD11	1.68	0.57
1:2Y:357:ASN:O	1:2Y:358:ILE:CG1	2.52	0.57
1:5b:245:GLU:OE1	1:5b:245:GLU:N	2.25	0.57
1:8Y:446:ALA:CB	2:9M:55:VAL:HA	2.31	0.57
1:8a:445:GLY:HA2	2:9R:45:LYS:HG2	1.85	0.57
1:8b:447:GLN:N	2:9Q:44:VAL:HG23	2.19	0.57
2:1e:210:LEU:CD2	2:2Z:206:VAL:CG1	2.64	0.57
2:1f:110:LEU:HD12	2:1f:110:LEU:C	2.28	0.57
2:1g:273:LEU:HD22	2:3g:273:LEU:CD2	2.34	0.57
2:5f:247:LYS:O	2:6v:239:THR:CA	2.52	0.57
2:6f:239:THR:CA	2:5h:247:LYS:O	2.52	0.57
2:6f:273:LEU:CD2	2:7f:279:ILE:CG2	2.82	0.57
2:7b:242:LEU:CD2	2:9Q:245:VAL:C	2.77	0.57
2:7c:158[A]:ILE:HA	2:8j:154:ALA:CB	2.34	0.57
2:8e:278:ILE:HG23	2:9F:278:ILE:CG2	2.06	0.57
2:8g:99:VAL:HG12	2:9G:28:ILE:CD1	2.35	0.57
2:9F:200:LEU:HD21	2:9O:200:LEU:HD11	1.76	0.57
2:1j:222:LEU:CB	2:3j:226:ILE:HG22	2.33	0.57
2:1k:280:SER:CB	2:3k:249:ALA:HA	2.34	0.57
2:2e:236:ALA:CB	2:1p:242:LEU:HD21	2.34	0.57
2:2f:242:LEU:HD13	2:3j:244:GLY:H	1.68	0.57
2:2g:223:ARG:NH1	2:3i:227:GLY:O	2.38	0.57
2:2h:92:SER:HB3	2:2h:119:SER:HB2	1.87	0.57
2:3k:110:LEU:HD12	2:3k:110:LEU:C	2.28	0.57
2:5g:200:LEU:C	2:6k:193:LYS:HD3	2.29	0.57
2:6j:73:VAL:HG11	2:7k:27:ILE:HA	1.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8n:226:ILE:O	2:7n:223:ARG:HG2	2.00	0.57
2:8n:239:THR:HG22	2:7n:247:LYS:CB	2.34	0.57
2:9G:62:ALA:CA	2:9G:110:LEU:O	2.51	0.57
2:1s:97:TYR:CE2	2:1s:111:VAL:HB	2.38	0.57
2:2p:226:ILE:HG13	2:3r:223:ARG:CG	2.28	0.57
2:2s:92:SER:HB3	2:2s:119:SER:HB2	1.87	0.57
2:4k:97:TYR:CE2	2:4k:111:VAL:HB	2.38	0.57
2:4l:247:LYS:CD	2:3x:238:THR:O	2.42	0.57
2:6r:197:GLN:HE21	2:7u:201:VAL:HA	1.68	0.57
2:8y:247:LYS:HB2	2:9J:238:THR:C	2.28	0.57
2:8z:41:TYR:OH	2:7x:111:VAL:HG11	2.04	0.57
2:1w:180:VAL:HG11	2:3w:184:LEU:HA	1.85	0.57
2:1w:270:ILE:HG12	2:3w:269:LEU:HB2	1.86	0.57
2:5m:200:LEU:C	2:6w:193:LYS:HD3	2.29	0.57
2:6w:280:SER:HB2	2:7t:248:GLY:O	2.03	0.57
2:6x:120:ILE:HD11	2:7w:120:ILE:HD13	0.58	0.57
2:7w:265:ASP:CB	2:9R:266:LEU:CD2	2.81	0.57
1:5A:252:ASP:OD1	1:5A:252:ASP:C	2.46	0.57
1:8B:448:ALA:HB3	2:8f:41:TYR:CD2	2.39	0.57
1:8D:445:GLY:CA	2:8i:45:LYS:HB2	2.23	0.57
1:1I:443:SER:OG	2:1k:45:LYS:HE3	2.02	0.57
1:7J:447:GLN:HB3	2:7h:56:ASN:HB2	1.86	0.57
1:2O:241:ARG:C	1:2O:241:ARG:HD2	2.29	0.57
1:3M:79:LEU:HD12	1:3M:79:LEU:C	2.29	0.57
1:3P:319:TYR:CD1	1:3P:319:TYR:C	2.81	0.57
1:4Q:200:ILE:HG12	1:4Q:342:VAL:O	2.04	0.57
1:7K:93:LEU:HD12	1:7K:93:LEU:O	2.04	0.57
1:8N:252:ASP:OD1	1:8N:252:ASP:C	2.46	0.57
1:1V:355:SER:CB	1:1V:356:PRO:CD	2.82	0.57
1:2Q:404:VAL:O	2:2q:16:TYR:OH	2.22	0.57
1:2T:241:ARG:HD2	1:2T:241:ARG:C	2.29	0.57
1:3U:447:GLN:HB2	2:3t:42:VAL:HG13	1.86	0.57
1:4T:203:PRO:O	1:4T:204:THR:HB	2.03	0.57
1:8X:448:ALA:C	2:8y:60:LEU:HD12	2.28	0.57
1:3a:438:ARG:HG2	1:3a:438:ARG:HH11	1.70	0.57
1:4c:392:THR:HG21	2:4m:16:TYR:HD1	1.68	0.57
1:5d:422:THR:HB	1:5d:427:LYS:HG3	0.71	0.57
1:5d:446:ALA:CB	2:5n:56:ASN:CG	2.77	0.57
1:5d:446:ALA:HB1	2:5n:56:ASN:CG	2.28	0.57
1:6c:445:GLY:C	2:6v:44:VAL:HB	2.23	0.57
1:7U:447:GLN:HA	2:7x:41:TYR:CE1	2.17	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8a:445:GLY:HA2	2:9R:45:LYS:CG	2.35	0.57
2:2Z:223:ARG:NH1	2:1l:227:GLY:C	2.61	0.57
2:2Z:223:ARG:NH1	2:1l:227:GLY:CA	2.67	0.57
2:2b:62:ALA:CA	2:2b:110:LEU:O	2.51	0.57
2:7a:200:LEU:O	2:6v:197:GLN:NE2	2.33	0.57
2:7a:201:VAL:HA	2:6v:197:GLN:HE21	1.68	0.57
2:7c:258:ASP:O	2:8j:259:VAL:HG13	2.03	0.57
2:8e:145:ARG:HG2	2:9O:148[A]:ILE:CG2	2.34	0.57
2:8g:97:TYR:CE2	2:8g:111:VAL:HB	2.38	0.57
2:1j:200:LEU:HD22	2:2f:200:LEU:HD11	1.85	0.57
2:2f:200:LEU:CD1	2:3j:200:LEU:HD11	2.22	0.57
2:5g:266:LEU:CD2	2:6k:265:ASP:C	2.74	0.57
2:6i:116:LYS:HA	2:6i:116:LYS:CE	2.22	0.57
2:6k:110:LEU:HD12	2:6k:110:LEU:C	2.28	0.57
2:6l:148[B]:ILE:CD1	2:7h:148[B]:ILE:CD1	2.82	0.57
2:7i:242:LEU:HD22	2:8l:245:VAL:N	2.19	0.57
2:8k:235:PRO:HD2	2:9G:234:LEU:HD22	1.85	0.57
2:8m:183:PHE:CD1	2:9H:199:LEU:CD1	2.85	0.57
2:8m:183:PHE:HD1	2:9H:199:LEU:HB3	1.67	0.57
2:1m:99:VAL:HG12	2:2j:28:ILE:CD1	2.35	0.57
2:1n:210:LEU:HD22	2:3n:201:VAL:CG2	2.34	0.57
2:2k:226:ILE:HB	2:3n:222:LEU:CB	2.32	0.57
2:6m:253:ALA:HB1	2:8u:267:ASN:CB	2.34	0.57
2:1r:244:GLY:H	2:3r:242:LEU:HD13	1.68	0.57
2:2r:136:LEU:O	2:4l:132:GLY:HA3	2.04	0.57
2:3r:97:TYR:CE2	2:3r:111:VAL:HB	2.38	0.57
2:3t:97:TYR:CE2	2:3t:111:VAL:HB	2.38	0.57
2:6q:111:VAL:HG11	2:9K:41:TYR:OH	2.04	0.57
2:7q:92:SER:HB3	2:7q:119:SER:HB2	1.87	0.57
2:7r:254:SER:HB3	2:9L:267:ASN:OD1	2.02	0.57
2:8w:173:LEU:HD12	2:9I:157:LEU:HD12	1.87	0.57
2:8w:243:GLY:C	2:9I:234:LEU:CD2	2.68	0.57
2:1w:270:ILE:CG1	2:3w:251:VAL:CG2	2.80	0.57
2:5m:245:VAL:O	2:7t:242:LEU:HD22	1.93	0.57
2:5n:110:LEU:C	2:5n:110:LEU:HD12	2.28	0.57
2:6u:269:LEU:HD11	2:9Q:273:LEU:HD11	1.85	0.57
2:6w:110:LEU:HD12	2:6w:110:LEU:C	2.28	0.57
1:1E:91:ILE:HG22	1:1E:91:ILE:O	2.04	0.57
1:2B:392:THR:HG1	2:2b:46:ASP:CG	1.90	0.57
1:3D:230:SER:OG	1:3D:231:ARG:N	2.37	0.57
1:1K:203:PRO:C	1:1K:205:SER:H	2.12	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4G:208:GLY:O	1:4G:212:GLU:HG3	2.04	0.57
1:4L:388:GLU:HB3	1:4L:413:THR:HB	1.86	0.57
1:8J:444:GLY:N	2:8o:45:LYS:CE	2.67	0.57
1:2L:25:ARG:HH22	2:3s:51:ASP:CG	2.06	0.57
1:2L:358:ILE:HG23	1:2L:358:ILE:O	2.04	0.57
1:3P:230:SER:OG	1:3P:231:ARG:N	2.37	0.57
1:4Q:124:MET:SD	1:4Q:124:MET:N	2.74	0.57
1:8R:447:GLN:HG2	2:8s:42:VAL:O	2.05	0.57
1:3S:79:LEU:HD12	1:3S:79:LEU:C	2.29	0.57
1:1a:245:GLU:OE1	1:1a:245:GLU:N	2.24	0.57
1:2Y:241:ARG:C	1:2Y:241:ARG:HD2	2.29	0.57
1:3Z:396:ILE:HG23	1:3Z:396:ILE:O	2.04	0.57
2:1g:97:TYR:CE2	2:1g:111:VAL:HB	2.38	0.57
2:1g:126:LYS:CG	2:3g:119:SER:HB3	2.35	0.57
2:1g:173:LEU:C	2:3g:167:LYS:HE3	2.29	0.57
2:1g:280:SER:CB	2:3g:249:ALA:HA	2.34	0.57
2:2Z:236:ALA:CB	2:1l:242:LEU:HD21	2.34	0.57
2:2a:239:THR:C	2:3f:246:LYS:CB	2.55	0.57
2:2b:212:GLY:HA3	2:3e:203:ASN:CG	2.30	0.57
2:3h:212:GLY:N	2:2w:203:ASN:HB2	2.19	0.57
2:3h:242:LEU:HD12	2:4n:234:LEU:CD2	2.34	0.57
2:6e:251:VAL:HG21	2:8i:270:ILE:HG12	1.84	0.57
2:6g:176:SER:HB3	2:7Z:167:LYS:HD3	1.86	0.57
2:6h:120:ILE:HD11	2:7c:120:ILE:HD13	0.58	0.57
2:7a:225:MET:HG2	2:6v:214:PRO:CG	2.32	0.57
2:7c:231:PRO:HD3	2:8j:229:GLY:N	2.19	0.57
2:9F:206:VAL:HG22	2:9O:209:LEU:CG	2.28	0.57
2:1k:154:ALA:CB	2:3k:158[B]:ILE:HA	2.34	0.57
2:6i:57:MET:HB3	2:7l:61:ALA:CB	2.34	0.57
2:6i:253:ALA:HB1	2:8o:267:ASN:CB	2.34	0.57
2:6j:239:THR:CA	2:5j:247:LYS:HB3	2.32	0.57
2:6j:239:THR:CA	2:5j:247:LYS:O	2.52	0.57
2:6j:246:LYS:HB3	2:7k:239:THR:C	2.30	0.57
2:7h:248:GLY:O	2:8p:279:ILE:HA	2.05	0.57
2:1m:122:VAL:N	2:2j:127:ASP:OD1	2.37	0.57
2:1o:154:ALA:CB	2:3o:158[B]:ILE:HA	2.34	0.57
2:1o:273:LEU:CD1	2:3o:273:LEU:HD21	2.32	0.57
2:2l:236:ALA:CB	2:3m:242:LEU:HD11	2.34	0.57
2:5i:154:ALA:HB1	2:6o:158[B]:ILE:HA	1.85	0.57
2:5j:242:LEU:CD2	2:7k:244:GLY:O	2.49	0.57
2:6m:111:VAL:HG11	2:8u:41:TYR:OH	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:122:VAL:HG23	2:7p:127:ASP:OD1	2.04	0.57
2:7m:272:VAL:HG12	2:8v:279:ILE:HG21	1.83	0.57
2:8s:99:VAL:HG12	2:9l:28:ILE:CD1	2.35	0.57
2:1q:97:TYR:C	2:1q:110:LEU:CB	2.71	0.57
2:2q:236:ALA:CB	2:3q:242:LEU:HD11	2.34	0.57
2:6r:73:VAL:HG11	2:7u:27:ILE:HA	1.87	0.57
2:6t:158[B]:ILE:HD11	2:9l:158[B]:ILE:HD11	1.86	0.57
2:8w:279:ILE:CD1	2:9l:269:LEU:CD1	2.82	0.57
2:1u:97:TYR:C	2:1u:110:LEU:CB	2.71	0.57
2:2v:212:GLY:HA3	2:3u:203:ASN:CG	2.30	0.57
2:2v:223:ARG:NH1	2:3u:227:GLY:O	2.38	0.57
2:2v:223:ARG:HG3	2:3u:226:ILE:O	2.05	0.57
2:5m:154:ALA:HB1	2:6w:158[B]:ILE:HA	1.85	0.57
2:7w:248:GLY:O	2:9r:279:ILE:HA	2.05	0.57
1:1A:235:SER:HB3	1:1A:334:ARG:HB3	1.85	0.57
1:1E:203:PRO:O	1:1E:204:THR:C	2.45	0.57
1:3D:319:TYR:CD1	1:3D:319:TYR:C	2.81	0.57
1:3F:355:SER:HB3	1:3F:356:PRO:HD3	1.86	0.57
1:4E:200:ILE:HG12	1:4E:342:VAL:O	2.04	0.57
1:4F:252:ASP:OD1	1:4F:252:ASP:C	2.43	0.57
1:6A:447:GLN:CD	2:6h:56:ASN:HB3	2.29	0.57
1:8C:230:SER:OG	1:8C:231:ARG:N	2.34	0.57
1:1G:228:GLN:OE1	1:1G:228:GLN:N	2.30	0.57
1:1K:407:ASN:O	1:1K:408:GLU:HB2	2.05	0.57
1:2H:358:ILE:O	1:2H:358:ILE:HG23	2.04	0.57
1:2J:241:ARG:HD2	1:2J:241:ARG:C	2.29	0.57
1:2J:356:PRO:HD2	1:2J:369:PHE:CD2	2.40	0.57
1:4J:208:GLY:O	1:4J:212:GLU:HG3	2.04	0.57
1:1P:355:SER:CB	1:1P:356:PRO:CD	2.82	0.57
1:3R:355:SER:HB3	1:3R:356:PRO:HD3	1.86	0.57
1:6Q:202:GLU:OE1	1:6Q:205:SER:HB3	2.04	0.57
1:1S:228:GLN:OE1	1:1S:228:GLN:N	2.29	0.57
1:2R:385:TRP:H	2:2p:106:GLN:NE2	2.03	0.57
1:3X:448:ALA:HA	2:3q:41:TYR:HD1	1.68	0.57
1:4V:314:ASN:OD1	1:4V:314:ASN:C	2.46	0.57
1:9D:28:GLN:HE22	2:8k:27:ILE:CD1	2.14	0.57
1:1c:202:GLU:HB3	1:1c:343:SER:HB2	1.87	0.57
1:3Z:355:SER:HB3	1:3Z:356:PRO:CD	2.35	0.57
1:4d:252:ASP:OD1	1:4d:252:ASP:C	2.43	0.57
1:6Z:314:ASN:OD1	1:6Z:314:ASN:C	2.44	0.57
1:8a:28:GLN:OE1	1:8a:28:GLN:N	2.37	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1h:242:LEU:HD21	2:2t:236:ALA:CB	2.34	0.57
2:2c:120:ILE:CD1	2:3l:120:ILE:CD1	2.68	0.57
2:3e:234:LEU:CD2	2:4e:243:GLY:HA2	2.34	0.57
2:5e:97:TYR:CE2	2:5e:111:VAL:HB	2.38	0.57
2:5e:154:ALA:HB1	2:6g:158[B]:ILE:HA	1.85	0.57
2:6e:253:ALA:HB1	2:8i:267:ASN:CB	2.34	0.57
2:6f:210:LEU:HD23	2:7f:206:VAL:HG11	1.86	0.57
2:7a:127:ASP:OD1	2:6v:122:VAL:HG23	2.04	0.57
2:7a:228:ALA:HA	2:6v:223:ARG:HD2	1.86	0.57
2:8e:180:VAL:CG1	2:9F:184:LEU:CA	2.66	0.57
2:8e:199:LEU:HB3	2:9F:188:THR:HG23	1.85	0.57
2:8g:183:PHE:HD1	2:9G:199:LEU:HB3	1.67	0.57
2:8h:239:THR:HG22	2:7i:247:LYS:CB	2.34	0.57
2:9F:28:ILE:CD1	2:9O:99:VAL:HG12	2.35	0.57
2:1j:210:LEU:HD22	2:3j:201:VAL:CG2	2.34	0.57
2:1j:228:ALA:HA	2:2f:229:GLY:O	2.05	0.57
2:2f:120:ILE:CD1	2:3j:120:ILE:CD1	2.61	0.57
2:2h:175:PHE:HZ	2:3p:175:PHE:HZ	1.46	0.57
2:4h:244:GLY:CA	2:3p:242:LEU:HD13	2.32	0.57
2:5g:279:ILE:CG2	2:6k:272:VAL:HG11	2.34	0.57
2:6j:223:ARG:HD2	2:7k:228:ALA:HA	1.86	0.57
2:8m:99:VAL:HG12	2:9H:28:ILE:CD1	2.35	0.57
2:2j:62:ALA:CA	2:2j:110:LEU:O	2.51	0.57
2:2k:242:LEU:CA	2:3n:244:GLY:C	2.71	0.57
2:5i:259:VAL:HG11	2:6o:258:ASP:O	1.98	0.57
2:6n:246:LYS:HB3	2:7p:239:THR:C	2.30	0.57
2:7m:247:LYS:HE3	2:8v:277:GLY:HA2	1.85	0.57
2:7m:258:ASP:O	2:8v:259:VAL:HG13	2.03	0.57
2:7n:92:SER:HB3	2:7n:119:SER:HB2	1.87	0.57
2:1s:126:LYS:CG	2:3s:119:SER:HB3	2.35	0.57
2:2o:92:SER:HB3	2:2o:119:SER:HB2	1.87	0.57
2:5l:110:LEU:HD12	2:5l:110:LEU:C	2.28	0.57
2:6r:223:ARG:HD2	2:7u:228:ALA:HA	1.86	0.57
2:6r:242:LEU:HD22	2:5n:244:GLY:CA	2.31	0.57
2:7r:266:LEU:H	2:9L:266:LEU:HD22	1.66	0.57
2:8w:270:ILE:HG23	2:9I:269:LEU:CD1	2.15	0.57
2:8y:99:VAL:HG12	2:9J:28:ILE:CD1	2.35	0.57
2:8z:239:THR:HG22	2:7x:247:LYS:CB	2.34	0.57
2:9I:92:SER:HB3	2:9I:119:SER:HB2	1.87	0.57
2:1v:210:LEU:HD22	2:3v:201:VAL:CG2	2.34	0.57
2:2u:242:LEU:HD13	2:3v:244:GLY:H	1.68	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6x:148[B]:ILE:CD1	2:7w:148[B]:ILE:CD1	2.82	0.57
2:7w:158[A]:ILE:HA	2:9R:154:ALA:CB	2.34	0.57
2:9Q:97:TYR:CE2	2:9Q:111:VAL:HB	2.38	0.57
2:9R:110:LEU:HD12	2:9R:110:LEU:C	2.28	0.57
1:2E:357:ASN:O	1:2E:358:ILE:CG1	2.52	0.57
1:1H:314:ASN:C	1:1H:314:ASN:OD1	2.47	0.57
1:4J:245:GLU:OE1	1:4J:245:GLU:N	2.22	0.57
1:4J:314:ASN:OD1	1:4J:314:ASN:C	2.46	0.57
1:1O:91:ILE:HG22	1:1O:91:ILE:O	2.05	0.57
1:3R:444:GLY:O	2:3m:44:VAL:CG2	2.53	0.57
1:8O:392:THR:HG22	2:8v:107:LEU:CG	2.34	0.57
1:8R:442:ALA:O	2:8s:45:LYS:NZ	2.30	0.57
1:2T:357:ASN:O	1:2T:358:ILE:CG1	2.52	0.57
1:3T:355:SER:HB3	1:3T:356:PRO:CD	2.35	0.57
1:4W:199:LYS:CG	1:4W:202:GLU:HG3	2.34	0.57
1:7T:408:GLU:O	1:7T:408:GLU:HG3	2.03	0.57
1:4c:209:ALA:CB	1:4c:212:GLU:HG2	2.29	0.57
1:6c:314:ASN:OD1	1:6c:314:ASN:C	2.47	0.57
1:9E:403:SER:CB	2:9J:16:TYR:OH	2.52	0.57
2:2c:228:ALA:CA	2:3l:228:ALA:C	2.78	0.57
2:3e:245:VAL:N	2:4e:243:GLY:O	2.38	0.57
2:5f:200:LEU:CD1	2:6v:200:LEU:CD2	2.72	0.57
2:6e:140:THR:HA	2:8i:131:THR:OG1	2.04	0.57
2:7c:76:ASN:OD1	2:8j:21:TYR:OH	2.08	0.57
2:7d:226:ILE:HD11	2:8f:226:ILE:CD1	2.29	0.57
2:8e:73:VAL:HG11	2:9O:28:ILE:CA	2.35	0.57
2:8e:174:LEU:O	2:9F:167:LYS:HB3	2.05	0.57
2:8g:270:ILE:HD12	2:8k:253:ALA:CA	2.25	0.57
2:9F:280:SER:HG	2:9O:247:LYS:HG2	1.69	0.57
2:2g:210:LEU:CD2	2:3i:206:VAL:HG11	2.30	0.57
2:2g:223:ARG:NE	2:3i:227:GLY:O	2.36	0.57
2:2g:246:LYS:C	2:3i:239:THR:HA	2.28	0.57
2:2i:170:LEU:HB3	2:3o:174:LEU:CD2	2.35	0.57
2:6i:167:LYS:HE3	2:8o:173:LEU:O	2.05	0.57
2:6i:258:ASP:N	2:8o:259:VAL:CG2	2.59	0.57
2:6j:236:ALA:HA	2:7k:242:LEU:CD2	2.35	0.57
2:6k:176:SER:HB3	2:7e:167:LYS:HD3	1.86	0.57
2:6k:225:MET:SD	2:7e:209:LEU:CD1	2.72	0.57
2:7h:258:ASP:O	2:8p:259:VAL:HG13	2.03	0.57
2:8k:199:LEU:HB3	2:9G:188:THR:CG2	2.35	0.57
2:8k:199:LEU:HB3	2:9G:188:THR:HG23	1.85	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:237:ALA:HB1	2:8q:247:LYS:CB	2.22	0.57
2:8n:41:TYR:OH	2:7n:111:VAL:HG11	2.04	0.57
2:1o:126:LYS:CG	2:3o:119:SER:HB3	2.35	0.57
2:1o:183:PHE:CE2	2:3o:183:PHE:CE2	2.93	0.57
2:2l:223:ARG:HG3	2:3m:226:ILE:O	2.05	0.57
2:2m:225:MET:HG3	2:3t:214:PRO:CG	2.06	0.57
2:2m:228:ALA:CA	2:3t:228:ALA:C	2.78	0.57
2:2n:231:PRO:HG3	2:3s:229:GLY:CA	2.32	0.57
2:5i:200:LEU:C	2:6o:193:LYS:HD3	2.29	0.57
2:6n:223:ARG:HG3	2:7p:226:ILE:O	2.04	0.57
2:6n:228:ALA:HB1	2:5l:228:ALA:CB	2.25	0.57
2:7m:231:PRO:HD3	2:8v:229:GLY:N	2.19	0.57
2:8s:28:ILE:CA	2:8w:73:VAL:HG11	2.35	0.57
2:4l:234:LEU:HD23	2:3x:242:LEU:HD12	1.87	0.57
2:5k:267:ASN:ND2	2:6s:254:SER:C	2.43	0.57
2:6q:255:THR:N	2:9K:263:VAL:CG1	2.67	0.57
2:6r:201:VAL:HG21	2:5n:210:LEU:HD22	1.86	0.57
2:7r:92:SER:HB3	2:7r:119:SER:HB2	1.87	0.57
2:7s:242:LEU:HD22	2:8x:245:VAL:N	2.19	0.57
2:8w:206:VAL:HG23	2:9I:212:GLY:HA2	1.85	0.57
2:8y:148[A]:ILE:CG2	2:9M:145:ARG:HG2	2.34	0.57
2:8y:209:LEU:CG	2:9J:206:VAL:HG22	2.27	0.57
2:2v:246:LYS:C	2:3u:239:THR:HA	2.28	0.57
2:7u:92:SER:HB3	2:7u:119:SER:HB2	1.87	0.57
2:7w:231:PRO:HD3	2:9R:229:GLY:N	2.19	0.57
1:4B:228:GLN:OE1	1:4B:228:GLN:N	2.27	0.57
1:4F:445:GLY:CA	2:4f:44:VAL:HG22	2.33	0.57
1:3I:202:GLU:N	1:3I:203:PRO:HD2	2.20	0.57
1:4L:245:GLU:OE1	1:4L:245:GLU:N	2.27	0.57
1:6G:448:ALA:HB3	2:6l:57:MET:HE1	1.86	0.57
1:8L:447:GLN:O	2:8m:41:TYR:HB3	2.04	0.57
1:5M:252:ASP:OD1	1:5M:252:ASP:C	2.46	0.57
1:5Q:245:GLU:OE1	1:5Q:245:GLU:N	2.26	0.57
1:9C:407:ASN:CG	2:9H:45:LYS:CG	2.78	0.57
1:2T:356:PRO:HD2	1:2T:369:PHE:CD2	2.40	0.57
1:3S:252:ASP:OD1	1:3S:252:ASP:C	2.45	0.57
1:3U:438:ARG:HH11	1:3U:438:ARG:HG2	1.70	0.57
1:7U:245:GLU:OE1	1:7U:245:GLU:N	2.34	0.57
2:1e:5:PHE:CZ	2:1l:99:VAL:HG11	2.39	0.57
2:2b:223:ARG:NH1	2:3e:227:GLY:O	2.38	0.57
2:2b:247:LYS:HG2	2:3e:280:SER:HG	1.66	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:229:GLY:O	2:3l:229:GLY:N	2.34	0.57
2:2d:273:LEU:HD21	2:3k:279:ILE:CG2	2.35	0.57
2:6g:225:MET:O	2:7Z:219:LYS:CG	2.43	0.57
2:6h:148[B]:ILE:CD1	2:7c:148[B]:ILE:CD1	2.82	0.57
2:7a:270:ILE:HG12	2:6v:269:LEU:HD22	1.87	0.57
2:7d:92:SER:HB3	2:7d:119:SER:HB2	1.87	0.57
2:8g:200:LEU:HD11	2:9G:200:LEU:HD21	1.75	0.57
2:8h:239:THR:N	2:7i:247:LYS:HB3	2.18	0.57
2:8i:245:VAL:C	2:7g:242:LEU:CD2	2.77	0.57
2:1k:126:LYS:CG	2:3k:119:SER:HB3	2.35	0.57
2:2f:27:ILE:HA	2:3j:73:VAL:HG11	1.85	0.57
2:2i:246:LYS:CB	2:3o:238:THR:O	2.53	0.57
2:6i:251:VAL:CG2	2:8o:270:ILE:CG1	2.74	0.57
2:6i:255:THR:N	2:8o:263:VAL:CG1	2.68	0.57
2:6j:122:VAL:HG23	2:7k:127:ASP:OD1	2.04	0.57
2:6j:197:GLN:HE21	2:7k:201:VAL:HA	1.68	0.57
2:7g:92:SER:HB3	2:7g:119:SER:HB2	1.87	0.57
2:7h:183:PHE:HE2	2:8p:183:PHE:CD2	2.21	0.57
2:8k:280:SER:C	2:9G:249:ALA:O	2.44	0.57
2:8o:97:TYR:CE2	2:8o:111:VAL:HB	2.38	0.57
2:1m:238:THR:C	2:1t:247:LYS:HB2	2.30	0.57
2:1n:222:LEU:CB	2:3n:226:ILE:HG22	2.34	0.57
2:2j:223:ARG:NH1	2:1t:227:GLY:C	2.61	0.57
2:2m:226:ILE:CG2	2:3t:222:LEU:CD2	2.50	0.57
2:5i:259:VAL:CG2	2:6o:258:ASP:CA	2.82	0.57
2:6n:210:LEU:HD23	2:7p:206:VAL:HG11	1.86	0.57
2:6p:158[B]:ILE:HD11	2:8v:158[B]:ILE:HD11	1.86	0.57
2:8q:173:LEU:HD12	2:9H:157:LEU:HD12	1.87	0.57
2:1q:122:VAL:N	2:2o:127:ASP:OD1	2.37	0.57
2:1s:183:PHE:CE2	2:3s:183:PHE:CE2	2.93	0.57
2:2r:202:SER:CB	2:3x:193:LYS:HD3	2.22	0.57
2:2r:222:LEU:HD22	2:3x:209:LEU:HD21	1.81	0.57
2:3s:110:LEU:HD12	2:3s:110:LEU:C	2.28	0.57
2:5k:269:LEU:CD2	2:6s:269:LEU:HD23	2.16	0.57
2:5k:279:ILE:CG2	2:6s:272:VAL:HG11	2.34	0.57
2:6q:186:ALA:HB2	2:9K:180:VAL:HG21	1.87	0.57
2:7r:231:PRO:HD3	2:9L:229:GLY:N	2.19	0.57
2:7s:62:ALA:CA	2:7s:110:LEU:O	2.51	0.57
2:8w:154:ALA:HB1	2:9I:158[B]:ILE:HG23	1.86	0.57
2:1w:173:LEU:C	2:3w:167:LYS:HE3	2.29	0.57
2:1w:277:GLY:HA2	2:3w:247:LYS:CE	2.24	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3v:97:TYR:CE2	2:3v:111:VAL:HB	2.38	0.57
2:5m:263:VAL:HG11	2:6w:256:ALA:H	1.70	0.57
2:6w:243:GLY:N	2:7t:244:GLY:CA	2.57	0.57
2:6x:278:ILE:HD13	2:7w:278:ILE:CG2	2.34	0.57
2:9M:279:ILE:CD1	2:9J:269:LEU:CD1	2.82	0.57
1:3C:438:ARG:HG2	1:3C:438:ARG:HH11	1.70	0.57
1:4A:208:GLY:O	1:4A:212:GLU:HG3	2.04	0.57
1:4F:388:GLU:HB3	1:4F:413:THR:HB	1.86	0.57
1:8A:444:GLY:HA3	2:8e:56:ASN:ND2	2.16	0.57
1:3H:355:SER:HB3	1:3H:356:PRO:CD	2.35	0.57
1:3H:396:ILE:O	1:3H:396:ILE:HG23	2.05	0.57
1:5J:228:GLN:OE1	1:5J:228:GLN:N	2.26	0.57
1:1Q:91:ILE:O	1:1Q:91:ILE:HG22	2.04	0.57
1:2O:356:PRO:HD2	1:2O:369:PHE:CD2	2.40	0.57
1:3N:355:SER:HB3	1:3N:356:PRO:CD	2.35	0.57
1:9C:448:ALA:HB2	2:9H:58:TYR:O	2.05	0.57
1:1T:314:ASN:OD1	1:1T:314:ASN:C	2.47	0.57
1:1W:407:ASN:O	1:1W:408:GLU:HB2	2.05	0.57
1:6W:202:GLU:OE1	1:6W:205:SER:HB3	2.04	0.57
1:6W:314:ASN:OD1	1:6W:314:ASN:C	2.47	0.57
1:8X:444:GLY:H	2:8y:45:LYS:HE3	1.58	0.57
1:1b:448:ALA:C	2:1x:57:MET:SD	2.88	0.57
1:1c:203:PRO:O	1:1c:204:THR:C	2.45	0.57
1:3a:252:ASP:OD1	1:3a:252:ASP:C	2.47	0.57
1:3b:230:SER:OG	1:3b:231:ARG:N	2.37	0.57
1:4d:358:ILE:HG23	1:4d:358:ILE:O	2.04	0.57
1:7Y:25:ARG:NH1	2:5n:52:LEU:O	2.37	0.57
1:7Y:448:ALA:HB1	2:7w:63:TRP:HE1	1.70	0.57
2:1f:247:LYS:HB3	2:3f:239:THR:HA	0.72	0.57
2:1g:281:LEU:C	2:3g:250:ALA:HB1	2.29	0.57
2:1h:180:VAL:HG13	2:2t:184:LEU:HD23	1.87	0.57
2:1h:245:VAL:O	2:1u:242:LEU:HD23	2.05	0.57
2:5e:269:LEU:CG	2:6g:269:LEU:CD2	2.76	0.57
2:6f:197:GLN:HE21	2:7f:201:VAL:HA	1.68	0.57
2:6f:236:ALA:HA	2:7f:242:LEU:CD2	2.35	0.57
2:6f:246:LYS:HB3	2:7f:239:THR:C	2.30	0.57
2:7a:92:SER:HB3	2:7a:119:SER:HB2	1.87	0.57
2:7a:206:VAL:HG11	2:6v:210:LEU:HD23	1.87	0.57
2:7a:279:ILE:CG2	2:6v:273:LEU:CD2	2.82	0.57
2:7b:92:SER:HB3	2:7b:119:SER:HB2	1.87	0.57
2:7d:223:ARG:CD	2:9P:227:GLY:C	2.72	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:232:TYR:HD2	2:9G:232:TYR:CE1	2.20	0.57
2:8i:97:TYR:CE2	2:8i:111:VAL:HB	2.38	0.57
2:2f:92:SER:HB3	2:2f:119:SER:HB2	1.87	0.57
2:2i:190:ASP:OD1	2:3o:202:SER:CB	2.53	0.57
2:4h:62:ALA:HB2	2:3p:57:MET:HG3	1.87	0.57
2:4h:247:LYS:CD	2:3p:238:THR:O	2.42	0.57
2:7h:231:PRO:HD3	2:8p:229:GLY:N	2.19	0.57
2:8k:174:LEU:O	2:9G:167:LYS:HB3	2.05	0.57
2:8k:279:ILE:CD1	2:9G:269:LEU:CD1	2.82	0.57
2:8m:61:ALA:HB1	2:9H:57:MET:HE3	1.87	0.57
2:8m:97:TYR:C	2:8m:110:LEU:CB	2.71	0.57
2:8n:242:LEU:CB	2:7n:244:GLY:HA3	2.35	0.57
2:2l:223:ARG:NH1	2:3m:227:GLY:O	2.38	0.57
2:2n:170:LEU:HB3	2:3s:174:LEU:CD2	2.35	0.57
2:6p:97:TYR:CE2	2:6p:111:VAL:HB	2.38	0.57
2:8q:225:MET:HG2	2:9H:214:PRO:CG	2.34	0.57
2:1q:122:VAL:HG23	2:2o:127:ASP:CG	2.30	0.57
2:1r:210:LEU:HD22	2:3r:201:VAL:CG2	2.34	0.57
2:1r:228:ALA:HA	2:2p:229:GLY:O	2.05	0.57
2:2o:246:LYS:CB	2:1x:239:THR:C	2.71	0.57
2:2r:120:ILE:HD11	2:4l:125:ILE:HG12	1.86	0.57
2:2s:170:LEU:HD13	2:3w:174:LEU:HD23	1.87	0.57
2:2s:246:LYS:CB	2:3w:238:THR:O	2.53	0.57
2:8w:196:LEU:CD2	2:9I:183:PHE:CE1	2.83	0.57
2:8w:199:LEU:HB3	2:9I:188:THR:HG23	1.85	0.57
2:8w:199:LEU:HB3	2:9I:188:THR:CG2	2.35	0.57
2:8w:227:GLY:HA3	2:9I:219:LYS:NZ	2.18	0.57
2:1w:245:VAL:HG13	2:3w:245:VAL:HG22	1.77	0.57
2:2u:240:THR:CA	2:3v:246:LYS:HD3	2.25	0.57
2:3u:246:LYS:CD	2:4m:240:THR:C	2.77	0.57
2:6u:136:LEU:HD21	2:9Q:125:ILE:HD13	1.86	0.57
1:1D:355:SER:CB	1:1D:356:PRO:CD	2.82	0.57
1:2A:397:THR:HA	2:2c:107:LEU:HB2	1.87	0.57
1:5E:199:LYS:HG3	1:5E:202:GLU:H	1.70	0.57
1:8A:445:GLY:HA3	2:8e:54:GLN:O	2.05	0.57
1:3I:438:ARG:HG2	1:3I:438:ARG:HH11	1.70	0.57
1:5L:422:THR:HB	1:5L:427:LYS:HG3	0.71	0.57
1:8L:200:ILE:O	1:8L:200:ILE:CG1	2.44	0.57
1:1R:354:VAL:CG2	1:1R:432:GLU:C	2.78	0.57
1:7N:397:THR:HG22	2:7j:107:LEU:CB	2.34	0.57
1:7O:28:GLN:HG2	2:5j:52:LEU:CD1	2.34	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7O:408:GLU:HG3	1:7O:408:GLU:O	2.03	0.57
1:9C:446:ALA:O	2:9H:55:VAL:CA	2.53	0.57
1:6V:287:SER:OG	1:6V:288:THR:N	2.33	0.57
1:7Q:447:GLN:N	2:7q:42:VAL:O	2.33	0.57
1:7R:405:SER:OG	2:7p:15:ALA:CB	2.53	0.57
1:8c:445:GLY:CA	2:9P:45:LYS:HG2	2.15	0.57
2:1e:99:VAL:HG12	2:2Z:28:ILE:CD1	2.35	0.57
2:1f:222:LEU:CB	2:3f:226:ILE:HG22	2.34	0.57
2:1f:228:ALA:HA	2:2a:229:GLY:O	2.05	0.57
2:2c:120:ILE:HG12	2:4f:120:ILE:HD13	1.87	0.57
2:5f:210:LEU:HD22	2:6v:201:VAL:HG21	1.86	0.57
2:6e:167:LYS:HE3	2:8i:173:LEU:O	2.05	0.57
2:7a:226:ILE:O	2:6v:223:ARG:HG3	2.05	0.57
2:8e:199:LEU:HB3	2:9F:188:THR:CG2	2.35	0.57
2:8f:97:TYR:CE2	2:8f:111:VAL:HB	2.38	0.57
2:2i:262:ALA:HB2	2:3o:263:VAL:HG21	1.87	0.57
2:1m:5:PHE:CZ	2:1t:99:VAL:HG11	2.39	0.57
2:1o:97:TYR:C	2:1o:110:LEU:CB	2.71	0.57
2:2k:200:LEU:CD1	2:3n:200:LEU:HD11	2.22	0.57
2:2l:210:LEU:CA	2:3m:206:VAL:HG11	2.12	0.57
2:2l:212:GLY:HA3	2:3m:203:ASN:CG	2.30	0.57
2:2l:226:ILE:O	2:4i:223:ARG:CG	2.52	0.57
2:2n:92:SER:HB3	2:2n:119:SER:HB2	1.87	0.57
2:2n:219:LYS:CE	2:3s:227:GLY:N	2.66	0.57
2:4j:62:ALA:HB2	2:3t:57:MET:HG3	1.87	0.57
2:5i:266:LEU:HD23	2:6o:265:ASP:CB	2.28	0.57
2:6o:176:SER:HB3	2:7j:167:LYS:HD3	1.86	0.57
2:6p:118:ILE:HG21	2:8v:118:ILE:CD1	2.35	0.57
2:8q:199:LEU:HB3	2:9H:188:THR:HG23	1.85	0.57
2:8r:97:TYR:CE2	2:8r:111:VAL:HB	2.38	0.57
2:8v:76:ASN:ND2	2:8v:116:LYS:HD2	2.11	0.57
2:8v:116:LYS:HA	2:8v:116:LYS:CE	2.22	0.57
2:1q:41:TYR:CZ	2:1x:97:TYR:OH	2.54	0.57
2:1q:99:VAL:HG12	2:2o:28:ILE:CD1	2.35	0.57
2:1s:270:ILE:HG12	2:3s:269:LEU:HB2	1.86	0.57
2:2p:239:THR:C	2:3r:246:LYS:CB	2.56	0.57
2:2q:226:ILE:O	2:4k:223:ARG:CG	2.52	0.57
2:3s:76:ASN:ND2	2:3s:116:LYS:CD	2.59	0.57
2:6q:140:THR:HA	2:9K:131:THR:OG1	2.04	0.57
2:6r:234:LEU:HD21	2:7u:243:GLY:HA2	1.87	0.57
2:7r:234:LEU:CD1	2:9L:234:LEU:HD13	2.33	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:245:VAL:O	2:9L:237:ALA:CB	2.52	0.57
2:8z:239:THR:N	2:7x:247:LYS:CB	2.68	0.57
2:6u:111:VAL:HG11	2:9Q:41:TYR:OH	2.04	0.57
2:6x:118:ILE:HG21	2:9R:118:ILE:CD1	2.35	0.57
2:6x:173:LEU:O	2:9R:162:THR:OG1	2.19	0.57
2:9M:154:ALA:HB1	2:9J:158[B]:ILE:HG23	1.86	0.57
2:9M:173:LEU:HD12	2:9J:157:LEU:HD12	1.87	0.57
2:9M:199:LEU:HB3	2:9J:188:THR:CG2	2.35	0.57
1:1A:240:THR:HG23	1:1A:240:THR:O	2.04	0.57
1:1E:202:GLU:HB3	1:1E:343:SER:HB2	1.87	0.57
1:6K:446:ALA:O	2:6j:55:VAL:HA	2.05	0.57
1:8L:444:GLY:N	2:8m:45:LYS:NZ	2.52	0.57
1:2O:357:ASN:O	1:2O:358:ILE:CG1	2.52	0.57
1:3R:448:ALA:O	2:3m:63:TRP:CZ2	2.58	0.57
1:4M:202:GLU:HG2	1:4M:343:SER:HB2	1.85	0.57
1:4Q:199:LYS:CG	1:4Q:202:GLU:HG3	2.34	0.57
1:8R:447:GLN:CB	2:8s:44:VAL:CG2	2.80	0.57
1:1W:202:GLU:HB3	1:1W:343:SER:HB2	1.87	0.57
1:4X:358:ILE:HG23	1:4X:358:ILE:O	2.04	0.57
1:1c:203:PRO:HB3	1:1c:210:LEU:N	2.19	0.57
1:4d:446:ALA:HB2	2:4n:56:ASN:HB2	1.83	0.57
1:5a:228:GLN:OE1	1:5a:228:GLN:N	2.29	0.57
2:1e:238:THR:C	2:1l:247:LYS:HB2	2.30	0.57
2:2a:92:SER:HB3	2:2a:119:SER:HB2	1.87	0.57
2:2b:226:ILE:O	2:4e:223:ARG:CG	2.52	0.57
2:2b:246:LYS:C	2:3e:239:THR:HA	2.28	0.57
2:3g:279:ILE:CG2	2:2x:273:LEU:HD21	2.35	0.57
2:4f:234:LEU:CD2	2:3l:242:LEU:HD12	2.34	0.57
2:5e:97:TYR:C	2:5e:110:LEU:CB	2.71	0.57
2:7c:193:LYS:CD	2:8j:200:LEU:C	2.78	0.57
2:8e:226:ILE:HB	2:9F:219:LYS:HA	1.87	0.57
2:8e:237:ALA:HB1	2:9F:245:VAL:O	1.05	0.57
2:1i:235:PRO:O	2:2e:242:LEU:HD11	1.97	0.57
2:2e:92:SER:HB3	2:2e:119:SER:HB2	1.87	0.57
2:2f:120:ILE:HD13	2:3j:120:ILE:HD13	1.78	0.57
2:2g:92:SER:HB3	2:2g:119:SER:HB2	1.87	0.57
2:2g:219:LYS:HG2	2:3i:225:MET:C	2.22	0.57
2:2h:120:ILE:HG12	2:4h:120:ILE:HD13	1.87	0.57
2:3i:116:LYS:HA	2:3i:116:LYS:CE	2.22	0.57
2:6j:201:VAL:HG21	2:5j:210:LEU:HD22	1.86	0.57
2:6k:239:THR:C	2:7e:246:LYS:HD3	2.28	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7i:120:ILE:CD1	2:8l:120:ILE:CD1	2.40	0.57
2:8o:97:TYR:C	2:8o:110:LEU:CB	2.71	0.57
2:1o:127:ASP:OD1	2:3o:122:VAL:HG23	2.05	0.57
2:2j:193:LYS:CD	2:1t:202:SER:HB3	2.35	0.57
2:2l:120:ILE:CD1	2:4i:120:ILE:CD1	2.49	0.57
2:2n:190:ASP:OD1	2:3s:202:SER:CB	2.53	0.57
2:6m:186:ALA:HB2	2:8u:180:VAL:HG21	1.87	0.57
2:6n:239:THR:HA	2:5l:247:LYS:C	2.30	0.57
2:6o:238:THR:C	2:7j:247:LYS:N	2.59	0.57
2:6o:239:THR:C	2:7j:246:LYS:HD3	2.28	0.57
2:7m:245:VAL:O	2:8v:237:ALA:CB	2.52	0.57
2:1s:270:ILE:HG23	2:3s:251:VAL:CB	2.31	0.57
2:2s:251:VAL:HG11	2:3w:279:ILE:HD12	1.87	0.57
2:1w:154:ALA:CB	2:3w:158[B]:ILE:HA	2.34	0.57
2:3u:245:VAL:N	2:4m:243:GLY:O	2.38	0.57
2:7w:92:SER:HB3	2:7w:119:SER:HB2	1.87	0.57
1:3B:355:SER:HB3	1:3B:356:PRO:CD	2.35	0.56
1:5F:448:ALA:HA	2:5f:41:TYR:CE1	2.40	0.56
1:7A:448:ALA:O	2:7d:60:LEU:CD1	2.53	0.56
1:7A:448:ALA:N	2:7d:56:ASN:O	2.33	0.56
1:8F:228:GLN:OE1	1:8F:228:GLN:N	2.26	0.56
1:1I:91:ILE:O	1:1I:91:ILE:HG22	2.05	0.56
1:1J:444:GLY:C	2:1l:44:VAL:HG21	2.30	0.56
1:2I:448:ALA:HB2	2:2e:41:TYR:HA	1.87	0.56
1:2J:357:ASN:O	1:2J:358:ILE:CG1	2.52	0.56
1:3L:314:ASN:OD1	1:3L:314:ASN:C	2.44	0.56
1:4L:396:ILE:O	1:4L:396:ILE:HG13	2.05	0.56
1:8H:355:SER:HB2	1:8H:356:PRO:HD2	1.86	0.56
1:8K:448:ALA:O	2:8n:60:LEU:CG	2.53	0.56
1:1Q:111:ASP:OD1	1:1Q:111:ASP:C	2.45	0.56
1:1Q:202:GLU:HB3	1:1Q:343:SER:HB2	1.87	0.56
1:2L:357:ASN:HA	1:2L:433:ALA:CB	2.35	0.56
1:4R:388:GLU:HB3	1:4R:413:THR:HB	1.86	0.56
1:6Q:202:GLU:OE1	1:6Q:205:SER:OG	2.23	0.56
1:8M:445:GLY:C	2:8q:44:VAL:HG21	2.23	0.56
1:2Q:357:ASN:HA	1:2Q:433:ALA:CB	2.35	0.56
1:6S:245:GLU:OE1	1:6S:245:GLU:N	2.26	0.56
1:4b:242:SER:OG	1:4b:337:ASN:ND2	2.38	0.56
1:7Y:446:ALA:CA	2:7w:44:VAL:HG22	2.33	0.56
2:1h:99:VAL:HG11	2:1u:5:PHE:CZ	2.39	0.56
2:2b:223:ARG:HG3	2:3e:226:ILE:O	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:236:ALA:CB	2:3e:242:LEU:HD11	2.34	0.56
2:2c:226:ILE:CG2	2:3l:222:LEU:CD2	2.50	0.56
2:2d:92:SER:HB3	2:2d:119:SER:HB2	1.87	0.56
2:2d:170:LEU:HB3	2:3k:174:LEU:CD2	2.35	0.56
2:3g:76:ASN:ND2	2:3g:116:LYS:HD2	2.11	0.56
2:5e:200:LEU:C	2:6g:193:LYS:HD3	2.29	0.56
2:5e:270:ILE:CD1	2:6g:251:VAL:CG2	2.83	0.56
2:6e:57:MET:HB3	2:7g:61:ALA:CB	2.34	0.56
2:6g:243:GLY:N	2:7Z:244:GLY:CA	2.57	0.56
2:6h:278:ILE:HD13	2:7c:278:ILE:CG2	2.34	0.56
2:7c:183:PHE:CZ	2:8j:183:PHE:CD2	2.93	0.56
2:7c:183:PHE:HE2	2:8j:183:PHE:CD2	2.21	0.56
2:7c:248:GLY:O	2:8j:279:ILE:HA	2.05	0.56
2:7c:254:SER:CB	2:8j:267:ASN:CG	2.73	0.56
2:1k:127:ASP:OD1	2:3k:122:VAL:HG23	2.05	0.56
2:2i:232:TYR:HE2	2:3o:232:TYR:CE2	2.17	0.56
2:6j:203:ASN:HD22	2:5j:212:GLY:HA3	1.70	0.56
2:8k:226:ILE:HB	2:9G:219:LYS:HA	1.87	0.56
2:8m:247:LYS:HG2	2:9H:280:SER:HG	1.66	0.56
2:2j:92:SER:HB3	2:2j:119:SER:HB2	1.87	0.56
2:2m:120:ILE:HG12	2:4j:120:ILE:HD13	1.87	0.56
2:2n:26:ASP:O	2:1s:73:VAL:HG21	2.05	0.56
2:6m:255:THR:N	2:8u:263:VAL:CG1	2.67	0.56
2:6n:236:ALA:HA	2:7p:242:LEU:CD2	2.35	0.56
2:7m:183:PHE:CZ	2:8v:183:PHE:CD2	2.93	0.56
2:8q:232:TYR:OH	2:9H:234:LEU:CA	2.53	0.56
2:8q:279:ILE:CD1	2:9H:269:LEU:CD1	2.82	0.56
2:8s:266:LEU:CG	2:8w:254:SER:CB	2.76	0.56
2:8t:61:ALA:HB3	2:8x:57:MET:HB3	1.87	0.56
2:2o:184:LEU:HD23	2:1x:180:VAL:HG13	1.87	0.56
2:2r:228:ALA:CA	2:3x:228:ALA:C	2.78	0.56
2:2s:26:ASP:O	2:1w:73:VAL:HG21	2.05	0.56
2:2s:28:ILE:HD12	2:1w:99:VAL:HG12	1.84	0.56
2:6r:203:ASN:HD22	2:5n:212:GLY:HA3	1.70	0.56
2:7o:92:SER:HB3	2:7o:119:SER:HB2	1.87	0.56
2:1v:247:LYS:C	2:3v:239:THR:HA	2.29	0.56
2:2w:92:SER:HB3	2:2w:119:SER:HB2	1.87	0.56
2:2w:120:ILE:HD11	2:4n:125:ILE:HG12	1.86	0.56
2:2w:136:LEU:O	2:4n:132:GLY:HA3	2.04	0.56
2:5m:247:LYS:CB	2:7t:238:THR:O	2.52	0.56
2:6u:255:THR:N	2:9Q:263:VAL:HG13	2.16	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:183:PHE:CZ	2:9R:183:PHE:CD2	2.93	0.56
2:9M:174:LEU:O	2:9J:167:LYS:HB3	2.05	0.56
1:4F:397:THR:HG22	1:4F:397:THR:O	2.05	0.56
1:6B:447:GLN:HB3	2:6g:56:ASN:HB2	1.85	0.56
1:7B:447:GLN:CG	2:7b:44:VAL:HG21	2.36	0.56
1:3O:217:MET:C	1:3O:217:MET:SD	2.89	0.56
1:4R:446:ALA:HB1	2:4j:56:ASN:CB	2.32	0.56
1:7M:394:THR:N	2:7k:16:TYR:HE1	2.00	0.56
1:7M:395:ALA:CB	2:7k:107:LEU:HG	2.34	0.56
1:1W:203:PRO:O	1:1W:204:THR:C	2.45	0.56
1:2R:407:ASN:CB	2:2p:45:LYS:HG3	2.29	0.56
1:3V:319:TYR:C	1:3V:319:TYR:CD1	2.81	0.56
2:1g:154:ALA:CB	2:3g:158[B]:ILE:HA	2.34	0.56
2:1g:245:VAL:HG13	2:3g:245:VAL:HG22	1.77	0.56
2:2Z:193:LYS:CD	2:1l:202:SER:HB3	2.35	0.56
2:2c:92:SER:HB3	2:2c:119:SER:HB2	1.87	0.56
2:2d:262:ALA:HB2	2:3k:263:VAL:HG21	1.87	0.56
2:3g:234:LEU:HD12	2:2x:234:LEU:HD13	1.79	0.56
2:3g:243:GLY:C	2:2x:234:LEU:HD21	2.30	0.56
2:5e:247:LYS:CB	2:7Z:238:THR:O	2.52	0.56
2:6f:269:LEU:HD22	2:7f:270:ILE:HG12	1.87	0.56
2:6h:97:TYR:CE2	2:6h:111:VAL:HB	2.38	0.56
2:8g:266:LEU:HD21	2:8k:265:ASP:HB3	1.87	0.56
2:2e:184:LEU:HD23	2:1p:180:VAL:HG13	1.87	0.56
2:2g:236:ALA:CB	2:3i:242:LEU:HD11	2.34	0.56
2:2g:239:THR:CG2	2:4g:247:LYS:O	2.47	0.56
2:3l:97:TYR:CE2	2:3l:111:VAL:HB	2.38	0.56
2:6j:239:THR:HA	2:5j:247:LYS:C	2.30	0.56
2:1n:119:SER:HB3	2:3n:126:LYS:HG2	1.87	0.56
2:1n:227:GLY:O	2:2k:223:ARG:CD	2.53	0.56
2:1n:228:ALA:HA	2:2k:229:GLY:O	2.05	0.56
2:6m:57:MET:HB3	2:7q:61:ALA:CB	2.34	0.56
2:6n:197:GLN:HE21	2:7p:201:VAL:HA	1.68	0.56
2:6n:223:ARG:HD2	2:7p:228:ALA:HA	1.86	0.56
2:7m:158[B]:ILE:HG23	2:8v:149[B]:ILE:CG2	2.36	0.56
2:7m:234:LEU:HD13	2:8v:234:LEU:CD1	2.31	0.56
2:8q:226:ILE:HB	2:9H:219:LYS:HA	1.87	0.56
2:8t:239:THR:N	2:7s:247:LYS:HB3	2.18	0.56
2:1q:200:LEU:CD1	2:2o:200:LEU:CD1	2.75	0.56
2:1q:238:THR:O	2:1x:247:LYS:N	2.29	0.56
2:7r:193:LYS:HD3	2:9L:201:VAL:N	2.20	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7s:28:ILE:HD11	2:8x:99:VAL:HG12	1.88	0.56
2:8y:28:ILE:CA	2:9M:73:VAL:HG11	2.35	0.56
2:1u:247:LYS:CG	2:2t:239:THR:HG22	1.86	0.56
2:3x:97:TYR:CE2	2:3x:111:VAL:HB	2.38	0.56
2:7w:193:LYS:HD3	2:9R:201:VAL:N	2.20	0.56
2:9J:92:SER:HB3	2:9J:119:SER:HB2	1.87	0.56
1:2B:358:ILE:HG23	1:2B:358:ILE:O	2.04	0.56
1:2C:358:ILE:HG23	1:2C:358:ILE:O	2.04	0.56
1:3E:245:GLU:OE1	1:3E:245:GLU:N	2.25	0.56
1:5D:228:GLN:OE1	1:5D:228:GLN:N	2.26	0.56
1:5F:447:GLN:O	2:5f:60:LEU:CD1	2.52	0.56
1:7E:447:GLN:C	2:7c:41:TYR:CE1	2.82	0.56
1:8F:448:ALA:HB2	2:8g:41:TYR:CD2	2.40	0.56
1:1G:240:THR:O	1:1G:240:THR:HG23	2.04	0.56
1:2G:357:ASN:HA	1:2G:433:ALA:CB	2.35	0.56
1:3G:245:GLU:OE1	1:3G:245:GLU:N	2.26	0.56
1:4L:397:THR:O	1:4L:397:THR:HG22	2.05	0.56
1:5J:245:GLU:OE1	1:5J:245:GLU:N	2.25	0.56
1:7F:93:LEU:HD12	1:7F:93:LEU:O	2.04	0.56
1:7I:58:GLN:N	1:7I:58:GLN:OE1	2.38	0.56
1:8H:252:ASP:OD1	1:8H:252:ASP:C	2.46	0.56
1:2M:358:ILE:HG23	1:2M:358:ILE:O	2.04	0.56
1:3O:443:SER:HA	2:3p:45:LYS:NZ	2.19	0.56
1:5R:444:GLY:H	2:5j:45:LYS:CG	2.18	0.56
1:6Q:445:GLY:HA3	2:6n:45:LYS:H	1.71	0.56
1:1U:91:ILE:O	1:1U:91:ILE:HG22	2.05	0.56
1:1X:354:VAL:CG2	1:1X:432:GLU:C	2.78	0.56
1:2P:443:SER:O	2:2r:45:LYS:NZ	2.30	0.56
1:2R:385:TRP:N	2:2p:106:GLN:NE2	2.54	0.56
1:3T:396:ILE:O	1:3T:396:ILE:HG23	2.04	0.56
1:3V:230:SER:OG	1:3V:231:ARG:N	2.37	0.56
1:4T:203:PRO:CA	1:4T:212:GLU:CG	2.76	0.56
1:5W:199:LYS:HG3	1:5W:202:GLU:H	1.70	0.56
1:5W:446:ALA:HA	2:5k:43:ALA:HA	1.86	0.56
1:6W:443:SER:O	2:6r:45:LYS:NZ	2.38	0.56
1:7R:394:THR:CA	2:7p:16:TYR:HE1	2.19	0.56
1:7R:443:SER:O	2:7p:45:LYS:NZ	2.37	0.56
1:1Y:240:THR:O	1:1Y:240:THR:HG23	2.04	0.56
1:1b:355:SER:CB	1:1b:356:PRO:CD	2.82	0.56
1:2V:110:TYR:O	1:2V:110:TYR:CG	2.54	0.56
1:2V:357:ASN:HA	1:2V:433:ALA:CB	2.35	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4Z:203:PRO:O	1:4Z:204:THR:HB	2.03	0.56
1:5c:199:LYS:HG3	1:5c:202:GLU:H	1.70	0.56
1:6Y:252:ASP:OD1	1:6Y:252:ASP:C	2.46	0.56
1:6Z:443:SER:CA	2:6w:56:ASN:HD22	2.09	0.56
2:1e:97:TYR:CE2	2:1e:111:VAL:HB	2.38	0.56
2:1g:127:ASP:OD1	2:3g:122:VAL:HG23	2.05	0.56
2:1h:247:LYS:HB2	2:1u:238:THR:C	2.30	0.56
2:2a:240:THR:O	2:3f:246:LYS:HG2	2.03	0.56
2:2a:240:THR:C	2:3f:246:LYS:CG	2.74	0.56
2:2c:162:THR:OG1	2:4f:173:LEU:O	2.23	0.56
2:2d:26:ASP:O	2:1k:73:VAL:HG21	2.05	0.56
2:2d:246:LYS:NZ	2:3k:240:THR:C	2.64	0.56
2:2d:246:LYS:CB	2:3k:238:THR:O	2.53	0.56
2:3h:228:ALA:C	2:2w:228:ALA:CA	2.78	0.56
2:5e:279:ILE:HG22	2:6g:272:VAL:CG1	2.35	0.56
2:5f:210:LEU:HA	2:6v:206:VAL:HG11	1.87	0.56
2:5f:242:LEU:CD2	2:7a:244:GLY:O	2.49	0.56
2:5f:247:LYS:C	2:6v:239:THR:HA	2.30	0.56
2:6e:136:LEU:HD21	2:8i:125:ILE:HD13	1.86	0.56
2:6f:223:ARG:HG3	2:7f:226:ILE:O	2.05	0.56
2:6f:242:LEU:HD22	2:5h:244:GLY:CA	2.31	0.56
2:6h:244:GLY:CA	2:7c:243:GLY:O	2.54	0.56
2:7a:239:THR:C	2:6v:246:LYS:HB3	2.30	0.56
2:7c:269:LEU:HD21	2:8j:269:LEU:CG	2.26	0.56
2:7d:200:LEU:HD11	2:9P:200:LEU:CD2	2.33	0.56
2:7d:247:LYS:CB	2:9P:239:THR:HG22	2.34	0.56
2:8e:154:ALA:HB1	2:9F:158[B]:ILE:HG23	1.86	0.56
2:8e:154:ALA:CB	2:9F:158[B]:ILE:CD1	2.69	0.56
2:8e:201:VAL:HG23	2:9F:197:GLN:HE21	1.64	0.56
2:8e:279:ILE:N	2:9F:248:GLY:H	2.04	0.56
2:8g:131:THR:HG1	2:8k:141:PRO:HD3	1.70	0.56
2:8g:246:LYS:CA	2:9G:239:THR:C	2.78	0.56
2:8h:41:TYR:OH	2:7i:111:VAL:HG11	2.04	0.56
2:9F:239:THR:H	2:9O:247:LYS:CB	2.14	0.56
2:1i:99:VAL:HG12	2:2e:28:ILE:CD1	2.35	0.56
2:1k:183:PHE:CE2	2:3k:183:PHE:CE2	2.93	0.56
2:1k:270:ILE:CG1	2:3k:251:VAL:CG2	2.80	0.56
2:2e:111:VAL:HG11	2:1p:41:TYR:OH	2.05	0.56
2:2e:219:LYS:CG	2:1p:225:MET:O	2.43	0.56
2:2g:183:PHE:CZ	2:3i:196:LEU:CD2	2.89	0.56
2:2g:223:ARG:HG3	2:3i:226:ILE:O	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:236:ALA:HA	2:3i:242:LEU:CD1	2.20	0.56
2:2i:92:SER:HB3	2:2i:119:SER:HB2	1.87	0.56
2:2i:234:LEU:HD21	2:3o:243:GLY:C	2.30	0.56
2:4h:234:LEU:HD23	2:3p:242:LEU:HD12	1.86	0.56
2:5g:263:VAL:CG1	2:6k:254:SER:OG	2.40	0.56
2:6i:186:ALA:HB2	2:8o:180:VAL:HG21	1.87	0.56
2:6l:118:ILE:HG21	2:8p:118:ILE:CD1	2.35	0.56
2:7h:158[A]:ILE:HA	2:8p:154:ALA:CB	2.34	0.56
2:7h:183:PHE:CZ	2:8p:183:PHE:CD2	2.93	0.56
2:8n:239:THR:CG2	2:7n:247:LYS:CG	2.84	0.56
2:1m:41:TYR:CZ	2:1t:97:TYR:OH	2.54	0.56
2:2j:111:VAL:HG11	2:1t:41:TYR:OH	2.05	0.56
2:2l:92:SER:HB3	2:2l:119:SER:HB2	1.87	0.56
2:2n:234:LEU:HD21	2:3s:243:GLY:C	2.30	0.56
2:2n:246:LYS:CB	2:3s:238:THR:O	2.53	0.56
2:2n:262:ALA:HB2	2:3s:263:VAL:HG21	1.86	0.56
2:4j:234:LEU:CD2	2:3t:242:LEU:HD12	2.34	0.56
2:4j:244:GLY:CA	2:3t:242:LEU:HD13	2.32	0.56
2:5i:223:ARG:CG	2:7j:226:ILE:O	2.54	0.56
2:5i:263:VAL:CG1	2:6o:254:SER:OG	2.40	0.56
2:5i:266:LEU:HD13	2:6o:266:LEU:CA	2.32	0.56
2:5i:270:ILE:CD1	2:6o:251:VAL:CG2	2.83	0.56
2:6n:97:TYR:CE2	2:6n:111:VAL:HB	2.38	0.56
2:6n:203:ASN:HD22	2:5l:212:GLY:HA3	1.70	0.56
2:7k:92:SER:HB3	2:7k:119:SER:HB2	1.87	0.56
2:7l:92:SER:HB3	2:7l:119:SER:HB2	1.87	0.56
2:7m:248:GLY:O	2:8v:279:ILE:HA	2.05	0.56
2:7n:28:ILE:HD12	2:8r:99:VAL:HG12	1.87	0.56
2:8q:174:LEU:O	2:9H:167:LYS:HB3	2.05	0.56
2:8q:196:LEU:CD2	2:9H:183:PHE:CZ	2.77	0.56
2:8s:61:ALA:HB1	2:9I:57:MET:HE3	1.87	0.56
2:8t:41:TYR:OH	2:7s:111:VAL:HG11	2.04	0.56
2:2q:212:GLY:HA3	2:3q:203:ASN:CG	2.30	0.56
2:2q:223:ARG:NH1	2:3q:227:GLY:O	2.38	0.56
2:2s:170:LEU:HB3	2:3w:174:LEU:CD2	2.35	0.56
2:2s:245:VAL:C	2:3w:237:ALA:HB1	2.27	0.56
2:4l:247:LYS:NZ	2:3x:239:THR:N	2.53	0.56
2:5k:200:LEU:C	2:6s:193:LYS:HD3	2.29	0.56
2:5k:247:LYS:CB	2:7o:238:THR:O	2.52	0.56
2:5l:242:LEU:CD2	2:7p:244:GLY:O	2.49	0.56
2:6q:57:MET:HB3	2:7v:61:ALA:CB	2.33	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6q:116:LYS:HA	2:6q:116:LYS:CE	2.22	0.56
2:6q:136:LEU:HD21	2:9K:125:ILE:HD13	1.86	0.56
2:6q:251:VAL:HG21	2:9K:270:ILE:HG12	1.84	0.56
2:6s:176:SER:HB3	2:7o:167:LYS:HD3	1.86	0.56
2:6s:196:LEU:CD2	2:7o:183:PHE:CZ	2.89	0.56
2:1v:116:LYS:HA	2:1v:116:LYS:CE	2.22	0.56
2:1v:228:ALA:HB1	2:2u:228:ALA:HB1	1.79	0.56
2:1w:97:TYR:CE2	2:1w:111:VAL:HB	2.38	0.56
2:1w:281:LEU:C	2:3w:250:ALA:HB1	2.29	0.56
2:2u:27:ILE:HA	2:3v:73:VAL:HG11	1.85	0.56
2:2v:92:SER:HB3	2:2v:119:SER:HB2	1.87	0.56
2:2v:236:ALA:CB	2:3u:242:LEU:HD11	2.34	0.56
2:2w:120:ILE:HG12	2:4n:120:ILE:HD13	1.87	0.56
2:5m:270:ILE:CD1	2:6w:251:VAL:CG2	2.83	0.56
2:6u:255:THR:N	2:9Q:263:VAL:CG1	2.67	0.56
2:6x:99:VAL:CG2	2:6x:109:THR:O	2.41	0.56
2:6x:158[B]:ILE:HD11	2:9R:158[B]:ILE:HD11	1.86	0.56
2:7x:92:SER:HB3	2:7x:119:SER:HB2	1.87	0.56
2:9M:180:VAL:HG21	2:9J:184:LEU:O	2.05	0.56
1:2A:447:GLN:O	2:2c:41:TYR:CE1	2.40	0.56
1:4D:208:GLY:O	1:4D:212:GLU:HG3	2.04	0.56
1:4D:242:SER:OG	1:4D:337:ASN:ND2	2.38	0.56
1:6E:202:GLU:OE1	1:6E:205:SER:HB3	2.04	0.56
1:6E:314:ASN:OD1	1:6E:314:ASN:C	2.47	0.56
1:7D:445:GLY:O	2:7Z:45:LYS:HB3	2.06	0.56
1:3I:447:GLN:CG	2:3I:44:VAL:HG21	2.17	0.56
1:5K:199:LYS:HG3	1:5K:202:GLU:H	1.70	0.56
1:6H:448:ALA:HB3	2:6k:41:TYR:HE1	1.70	0.56
1:8L:252:ASP:OD1	1:8L:252:ASP:C	2.46	0.56
1:8L:447:GLN:HG2	2:8m:42:VAL:O	2.05	0.56
1:3M:228:GLN:OE1	1:3M:228:GLN:N	2.30	0.56
1:4P:245:GLU:OE1	1:4P:245:GLU:N	2.22	0.56
1:4Q:209:ALA:HB1	1:4Q:212:GLU:OE2	2.06	0.56
1:5R:443:SER:C	2:5j:44:VAL:HG22	2.28	0.56
1:6P:228:GLN:OE1	1:6P:228:GLN:N	2.27	0.56
1:6R:444:GLY:C	2:6m:44:VAL:HG23	2.31	0.56
1:7L:447:GLN:O	2:7l:41:TYR:CG	2.59	0.56
1:1V:448:ALA:C	2:1t:41:TYR:CD1	2.82	0.56
1:1W:245:GLU:OE1	1:1W:245:GLU:N	2.30	0.56
1:2R:423:GLU:OE1	1:2R:423:GLU:N	2.34	0.56
1:3V:380:ASP:OD1	1:3V:380:ASP:C	2.49	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3X:355:SER:HB3	1:3X:356:PRO:HD3	1.86	0.56
1:5X:448:ALA:O	2:5l:63:TRP:CZ2	2.59	0.56
1:4d:397:THR:O	1:4d:397:THR:HG22	2.05	0.56
1:5d:444:GLY:HA2	2:5n:44:VAL:N	2.12	0.56
2:1e:242:LEU:HD23	2:1l:245:VAL:O	2.05	0.56
2:1f:119:SER:HB3	2:3f:126:LYS:HG2	1.87	0.56
2:2d:28:ILE:HD11	2:1k:99:VAL:HG12	1.85	0.56
2:3g:174:LEU:HD23	2:2x:170:LEU:HD13	1.87	0.56
2:3g:240:THR:C	2:2x:246:LYS:NZ	2.64	0.56
2:3g:263:VAL:HG21	2:2x:262:ALA:HB2	1.87	0.56
2:3g:279:ILE:HD12	2:2x:251:VAL:HG11	1.87	0.56
2:7Z:92:SER:HB3	2:7Z:119:SER:HB2	1.87	0.56
2:7c:193:LYS:HD3	2:8j:201:VAL:N	2.20	0.56
2:1j:116:LYS:HA	2:1j:116:LYS:CE	2.22	0.56
2:2g:127:ASP:OD1	2:4g:122:VAL:HG23	2.05	0.56
2:5g:270:ILE:CD1	2:6k:251:VAL:CG2	2.83	0.56
2:5g:279:ILE:HG22	2:6k:272:VAL:CG1	2.35	0.56
2:7h:193:LYS:HD3	2:8p:201:VAL:N	2.20	0.56
2:8k:173:LEU:HD12	2:9G:157:LEU:HD12	1.87	0.56
2:2l:183:PHE:CZ	2:3m:196:LEU:CD2	2.89	0.56
2:2n:170:LEU:HD13	2:3s:174:LEU:HD23	1.87	0.56
2:6m:76:ASN:ND2	2:6m:116:LYS:CD	2.59	0.56
2:6m:167:LYS:HE3	2:8u:173:LEU:O	2.05	0.56
2:6n:201:VAL:HG21	2:5l:210:LEU:HD22	1.86	0.56
2:6o:196:LEU:CD2	2:7j:183:PHE:CZ	2.89	0.56
2:6o:206:VAL:HG11	2:7j:210:LEU:CA	2.22	0.56
2:8t:239:THR:N	2:7s:247:LYS:CB	2.68	0.56
2:1s:127:ASP:OD1	2:3s:122:VAL:HG23	2.05	0.56
2:1s:281:LEU:C	2:3s:250:ALA:HB1	2.29	0.56
2:2o:223:ARG:NH1	2:1x:227:GLY:CA	2.67	0.56
2:2p:92:SER:HB3	2:2p:119:SER:HB2	1.87	0.56
2:2q:120:ILE:CD1	2:4k:120:ILE:CD1	2.49	0.56
2:5k:270:ILE:CD1	2:6s:251:VAL:CG2	2.83	0.56
2:6q:148[B]:ILE:HD12	2:7v:148[B]:ILE:CD1	2.28	0.56
2:6r:246:LYS:HB3	2:7u:239:THR:C	2.30	0.56
2:6r:269:LEU:HD22	2:7u:270:ILE:HG12	1.86	0.56
2:6s:280:SER:OG	2:7o:247:LYS:CD	2.54	0.56
2:7r:158[A]:ILE:HA	2:9L:154:ALA:CB	2.34	0.56
2:7s:28:ILE:HD12	2:8x:99:VAL:HG12	1.87	0.56
2:8y:136:LEU:HD22	2:9M:136:LEU:HD13	1.87	0.56
2:1v:228:ALA:HA	2:2u:229:GLY:O	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1v:247:LYS:HD3	2:3v:239:THR:CG2	2.13	0.56
2:5m:279:ILE:HG22	2:6w:272:VAL:CG1	2.36	0.56
2:7w:245:VAL:O	2:9R:237:ALA:CB	2.52	0.56
1:3C:202:GLU:N	1:3C:203:PRO:CD	2.69	0.56
1:4F:396:ILE:O	1:4F:396:ILE:HG13	2.05	0.56
1:5F:422:THR:HB	1:5F:427:LYS:HG3	0.71	0.56
1:8E:448:ALA:O	2:8h:60:LEU:CD1	2.54	0.56
1:8F:445:GLY:O	2:8g:44:VAL:CB	2.54	0.56
1:1K:202:GLU:HB3	1:1K:343:SER:HB2	1.87	0.56
1:2I:245:GLU:OE1	1:2I:245:GLU:N	2.27	0.56
1:3I:217:MET:C	1:3I:217:MET:SD	2.89	0.56
1:8J:101:TYR:OH	1:8J:239:ARG:O	2.24	0.56
1:2L:356:PRO:CG	1:2L:369:PHE:CE2	2.73	0.56
1:2L:447:GLN:O	2:2I:42:VAL:HG12	2.06	0.56
1:3M:408:GLU:OE1	1:3M:408:GLU:N	2.33	0.56
1:3O:438:ARG:HG2	1:3O:438:ARG:HH11	1.70	0.56
1:1S:240:THR:HG23	1:1S:240:THR:O	2.04	0.56
1:3U:202:GLU:N	1:3U:203:PRO:CD	2.69	0.56
1:3U:443:SER:CA	2:3t:45:LYS:NZ	2.68	0.56
1:1Z:445:GLY:C	2:1v:44:VAL:HG22	2.30	0.56
1:2W:358:ILE:HG23	1:2W:358:ILE:O	2.04	0.56
1:2W:403:SER:O	2:2u:16:TYR:OH	2.23	0.56
1:2Y:356:PRO:HD2	1:2Y:369:PHE:CD2	2.40	0.56
2:1g:183:PHE:CE2	2:3g:183:PHE:CE2	2.93	0.56
2:1h:245:VAL:N	2:1u:242:LEU:CD2	2.60	0.56
2:2a:242:LEU:C	2:3f:234:LEU:CD2	2.58	0.56
2:2d:251:VAL:HG11	2:3k:279:ILE:HD12	1.87	0.56
2:3g:273:LEU:HD13	2:2x:273:LEU:HD11	1.88	0.56
2:4f:247:LYS:NZ	2:3I:239:THR:N	2.54	0.56
2:5f:212:GLY:HA3	2:6v:203:ASN:HD22	1.70	0.56
2:6f:206:VAL:HG11	2:5h:210:LEU:HA	1.88	0.56
2:6f:234:LEU:HD21	2:7f:243:GLY:HA2	1.87	0.56
2:6h:118:ILE:HG21	2:8j:118:ILE:CD1	2.35	0.56
2:7a:243:GLY:HA2	2:6v:234:LEU:HD21	1.87	0.56
2:8e:136:LEU:HD13	2:9O:136:LEU:HD22	1.87	0.56
2:8e:173:LEU:HD12	2:9F:157:LEU:HD12	1.87	0.56
2:8g:120:ILE:CD1	2:9G:120:ILE:CD1	2.61	0.56
2:1i:222:LEU:CG	2:2e:226:ILE:HG22	2.32	0.56
2:1i:238:THR:C	2:1p:247:LYS:HB2	2.30	0.56
2:5g:111:VAL:HG21	2:7e:57:MET:CE	2.32	0.56
2:5g:263:VAL:HG11	2:6k:256:ALA:H	1.70	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6j:206:VAL:HG11	2:5j:210:LEU:HA	1.88	0.56
2:6j:269:LEU:HD22	2:7k:270:ILE:HG12	1.86	0.56
2:6k:225:MET:O	2:7e:219:LYS:CG	2.42	0.56
2:8k:232:TYR:OH	2:9G:234:LEU:CA	2.53	0.56
2:8m:148[A]:ILE:HG23	2:8q:145:ARG:CG	2.36	0.56
2:8o:253:ALA:HA	2:7l:270:ILE:HD13	1.87	0.56
2:2m:229:GLY:O	2:3t:229:GLY:N	2.34	0.56
2:2m:256:ALA:HB3	2:4j:263:VAL:CG2	2.36	0.56
2:2n:232:TYR:HD2	2:3s:232:TYR:CD2	2.04	0.56
2:5i:266:LEU:HD22	2:6o:266:LEU:N	2.21	0.56
2:5i:279:ILE:HG22	2:6o:272:VAL:CG1	2.35	0.56
2:6n:229:GLY:C	2:7p:229:GLY:H	1.97	0.56
2:7m:193:LYS:HD3	2:8v:201:VAL:N	2.20	0.56
2:8q:201:VAL:O	2:9H:193:LYS:CE	2.48	0.56
2:8s:247:LYS:CG	2:9I:239:THR:CG2	2.68	0.56
2:8t:116:LYS:HA	2:8t:116:LYS:CE	2.22	0.56
2:8t:239:THR:CG2	2:7s:247:LYS:CG	2.84	0.56
2:1q:242:LEU:HD23	2:1x:245:VAL:O	2.05	0.56
2:1s:273:LEU:HD22	2:3s:273:LEU:CD2	2.34	0.56
2:2q:127:ASP:OD1	2:4k:122:VAL:HG23	2.06	0.56
2:5k:223:ARG:CG	2:7o:226:ILE:O	2.54	0.56
2:5k:263:VAL:HG11	2:6s:256:ALA:H	1.70	0.56
2:6t:244:GLY:CA	2:7r:243:GLY:O	2.54	0.56
2:7p:92:SER:HB3	2:7p:119:SER:HB2	1.87	0.56
2:8w:180:VAL:CG1	2:9I:184:LEU:CA	2.66	0.56
2:8w:225:MET:HG2	2:9I:214:PRO:CG	2.34	0.56
2:8y:148[A]:ILE:HG23	2:9M:145:ARG:CG	2.36	0.56
2:1v:227:GLY:O	2:2u:223:ARG:CD	2.53	0.56
2:2u:242:LEU:O	2:3v:234:LEU:HD23	2.03	0.56
2:6u:186:ALA:HB2	2:9Q:180:VAL:HG21	1.87	0.56
2:7t:92:SER:HB3	2:7t:119:SER:HB2	1.87	0.56
2:9M:201:VAL:HG23	2:9J:197:GLN:HE21	1.64	0.56
2:9P:76:ASN:ND2	2:9P:116:LYS:CD	2.59	0.56
1:4F:245:GLU:OE1	1:4F:245:GLU:N	2.27	0.56
1:6A:448:ALA:HB3	2:6h:41:TYR:HD2	1.69	0.56
1:6E:204:THR:O	1:6E:204:THR:HG22	2.06	0.56
1:7C:444:GLY:HA3	2:7a:45:LYS:HZ1	1.70	0.56
1:4J:242:SER:OG	1:4J:337:ASN:ND2	2.38	0.56
1:6K:110:TYR:CD2	1:6K:110:TYR:O	2.59	0.56
1:8L:448:ALA:CB	2:8m:41:TYR:CD2	2.64	0.56
1:2L:356:PRO:HB2	1:2L:369:PHE:HE2	1.71	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4P:58:GLN:N	1:4P:58:GLN:OE1	2.39	0.56
1:4R:358:ILE:O	1:4R:358:ILE:HG23	2.04	0.56
1:4R:396:ILE:O	1:4R:396:ILE:HG13	2.05	0.56
1:5N:209:ALA:HB1	1:5N:212:GLU:HB2	1.88	0.56
1:7K:26:ASN:OD1	2:6o:52:LEU:N	2.30	0.56
1:7K:447:GLN:N	2:7n:42:VAL:O	2.38	0.56
1:2R:358:ILE:O	1:2R:358:ILE:HG23	2.04	0.56
1:3U:203:PRO:HA	1:3U:209:ALA:HB3	1.88	0.56
1:4V:242:SER:OG	1:4V:337:ASN:ND2	2.38	0.56
1:6W:202:GLU:OE1	1:6W:205:SER:OG	2.23	0.56
1:7P:428:LEU:HD23	1:7P:428:LEU:N	2.21	0.56
1:7S:446:ALA:CB	2:7o:41:TYR:HE2	1.51	0.56
1:8Z:447:GLN:HA	2:9N:56:ASN:N	2.20	0.56
1:8b:448:ALA:CB	2:9Q:41:TYR:CD2	2.85	0.56
1:8d:252:ASP:OD1	1:8d:252:ASP:C	2.46	0.56
2:1f:210:LEU:HD22	2:3f:201:VAL:HG22	1.88	0.56
2:1h:202:SER:HB3	2:2t:193:LYS:CD	2.35	0.56
2:2c:242:LEU:HD23	2:3l:244:GLY:O	1.26	0.56
2:2d:273:LEU:HD11	2:3k:273:LEU:HD13	1.88	0.56
2:3g:202:SER:CB	2:2x:190:ASP:OD1	2.53	0.56
2:4f:111:VAL:HG13	2:3l:57:MET:SD	2.46	0.56
2:6e:111:VAL:HG11	2:8i:41:TYR:OH	2.04	0.56
2:6e:255:THR:N	2:8i:263:VAL:CG1	2.67	0.56
2:6f:223:ARG:HD2	2:7f:228:ALA:HA	1.86	0.56
2:6g:116:LYS:HA	2:6g:116:LYS:CE	2.22	0.56
2:7a:27:ILE:HA	2:6v:73:VAL:HG11	1.87	0.56
2:8g:61:ALA:HB1	2:9G:57:MET:HE3	1.87	0.56
2:8i:253:ALA:HA	2:7g:270:ILE:HD13	1.87	0.56
2:9F:239:THR:C	2:9O:246:LYS:CA	2.78	0.56
2:2e:193:LYS:CD	2:1p:202:SER:HB3	2.35	0.56
2:2i:273:LEU:HD21	2:3o:279:ILE:CG2	2.34	0.56
2:4h:111:VAL:HG13	2:3p:57:MET:SD	2.46	0.56
2:6j:210:LEU:HD23	2:7k:206:VAL:HG11	1.86	0.56
2:7e:92:SER:HB3	2:7e:119:SER:HB2	1.87	0.56
2:8k:154:ALA:CB	2:9G:158[B]:ILE:CD1	2.69	0.56
2:8m:246:LYS:CA	2:9H:239:THR:C	2.78	0.56
2:2m:92:SER:HB3	2:2m:119:SER:HB2	1.87	0.56
2:7m:158[A]:ILE:HA	2:8v:154:ALA:CB	2.34	0.56
2:8q:199:LEU:HB3	2:9H:188:THR:CG2	2.35	0.56
2:1q:5:PHE:CZ	2:1x:99:VAL:HG11	2.39	0.56
2:1q:238:THR:C	2:1x:247:LYS:HB2	2.30	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1r:210:LEU:HD22	2:3r:201:VAL:HG22	1.88	0.56
2:1s:259:VAL:HG21	2:3s:258:ASP:CA	2.35	0.56
2:2q:141:PRO:HB2	2:3q:150:GLU:OE1	2.06	0.56
2:2q:183:PHE:CZ	2:3q:196:LEU:CD2	2.89	0.56
2:2r:92:SER:HB3	2:2r:119:SER:HB2	1.87	0.56
2:3q:214:PRO:HG3	2:4k:225:MET:HG2	1.88	0.56
2:6r:206:VAL:HG11	2:5n:210:LEU:HA	1.88	0.56
2:6r:223:ARG:HG3	2:7u:226:ILE:O	2.05	0.56
2:6r:239:THR:HA	2:5n:247:LYS:C	2.30	0.56
2:7r:183:PHE:CZ	2:9L:183:PHE:CD2	2.93	0.56
2:8z:200:LEU:CD2	2:7x:200:LEU:HD11	2.32	0.56
2:1v:119:SER:HB3	2:3v:126:LYS:HG2	1.87	0.56
2:1w:126:LYS:CG	2:3w:119:SER:HB3	2.35	0.56
2:2u:226:ILE:HB	2:3v:222:LEU:CB	2.32	0.56
2:6u:258:ASP:HA	2:9Q:259:VAL:HG21	0.63	0.56
2:6v:97:TYR:CE2	2:6v:111:VAL:HB	2.38	0.56
2:6w:206:VAL:HG11	2:7t:210:LEU:CA	2.22	0.56
2:7w:158[B]:ILE:HG23	2:9R:149[B]:ILE:CG2	2.36	0.56
2:9M:206:VAL:HG23	2:9J:212:GLY:HA2	1.85	0.56
2:9M:226:ILE:HB	2:9J:219:LYS:HA	1.87	0.56
1:1C:445:GLY:CA	2:1g:54:GLN:O	2.53	0.56
1:2B:245:GLU:OE1	1:2B:245:GLU:N	2.29	0.56
1:2B:357:ASN:HA	1:2B:433:ALA:CB	2.35	0.56
1:6A:245:GLU:OE1	1:6A:245:GLU:N	2.26	0.56
1:7B:296:ASP:OD1	1:7B:296:ASP:C	2.49	0.56
1:1G:446:ALA:H	2:1i:44:VAL:H	1.54	0.56
1:1J:448:ALA:C	2:1l:41:TYR:CD1	2.83	0.56
1:8H:245:GLU:OE1	1:8H:245:GLU:N	2.32	0.56
1:8K:445:GLY:C	2:8n:44:VAL:HG22	2.30	0.56
1:5M:206:SER:OG	1:5M:207:THR:N	2.35	0.56
1:1U:445:GLY:CA	2:1s:54:GLN:O	2.53	0.56
1:1U:448:ALA:N	2:1s:60:LEU:HD11	2.21	0.56
1:2Q:128:LYS:NZ	1:2Q:355:SER:O	2.38	0.56
1:6W:110:TYR:CD2	1:6W:110:TYR:O	2.59	0.56
1:4d:355:SER:HB3	1:4d:356:PRO:HD3	1.88	0.56
1:7W:392:THR:CA	2:7u:46:ASP:OD2	2.53	0.56
2:1e:219:LYS:HG2	2:2Z:225:MET:O	2.06	0.56
2:1e:228:ALA:CA	2:1l:229:GLY:O	2.40	0.56
2:1e:238:THR:O	2:1l:247:LYS:N	2.29	0.56
2:1h:226:ILE:CG2	2:2t:222:LEU:CB	2.84	0.56
2:2Z:222:LEU:CB	2:1l:226:ILE:CG2	2.84	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2a:200:LEU:CG	2:3f:200:LEU:HD11	2.25	0.56
2:2c:175:PHE:CZ	2:3l:175:PHE:CZ	2.86	0.56
2:3e:214:PRO:HG3	2:4e:225:MET:HG2	1.88	0.56
2:3g:116:LYS:HA	2:3g:116:LYS:CE	2.22	0.56
2:3g:238:THR:O	2:2x:246:LYS:CB	2.53	0.56
2:3h:5:PHE:CZ	2:4n:99:VAL:HG11	2.41	0.56
2:4f:234:LEU:HD23	2:3l:242:LEU:HD12	1.87	0.56
2:5e:259:VAL:CG1	2:6g:257:THR:C	2.79	0.56
2:6f:203:ASN:HD22	2:5h:212:GLY:HA3	1.70	0.56
2:6f:246:LYS:HE2	2:7f:240:THR:C	2.25	0.56
2:7c:248:GLY:C	2:8j:280:SER:H	2.12	0.56
2:7d:247:LYS:CB	2:9P:239:THR:N	2.68	0.56
2:8e:145:ARG:CG	2:9O:148[A]:ILE:HG23	2.36	0.56
2:8e:180:VAL:HG21	2:9F:184:LEU:O	2.05	0.56
2:8e:237:ALA:CB	2:9F:246:LYS:CA	2.66	0.56
2:8e:279:ILE:CD1	2:9F:269:LEU:CD1	2.82	0.56
2:8e:280:SER:C	2:9F:249:ALA:O	2.44	0.56
2:8f:57:MET:HB3	2:9P:61:ALA:HB3	1.87	0.56
2:8h:61:ALA:HB3	2:8l:57:MET:HB3	1.87	0.56
2:8h:227:GLY:C	2:7i:223:ARG:CD	2.72	0.56
2:1i:219:LYS:HG2	2:2e:225:MET:O	2.06	0.56
2:2i:57:MET:CE	2:1o:61:ALA:HB1	2.29	0.56
2:3i:245:VAL:N	2:4g:243:GLY:O	2.38	0.56
2:4h:99:VAL:HG11	2:3p:5:PHE:CZ	2.41	0.56
2:6j:97:TYR:CE2	2:6j:111:VAL:HB	2.38	0.56
2:6j:223:ARG:HG3	2:7k:226:ILE:O	2.05	0.56
2:6j:232:TYR:CD2	2:7k:232:TYR:CZ	2.94	0.56
2:6l:158[B]:ILE:HD11	2:8p:158[B]:ILE:HD11	1.86	0.56
2:8k:180:VAL:HG21	2:9G:184:LEU:O	2.05	0.56
2:8m:28:ILE:CA	2:8q:73:VAL:HG11	2.35	0.56
2:1n:210:LEU:HD22	2:3n:201:VAL:HG22	1.88	0.56
2:2j:223:ARG:NH1	2:1t:227:GLY:CA	2.67	0.56
2:2l:239:THR:CG2	2:4i:247:LYS:O	2.47	0.56
2:3m:148[B]:ILE:HD11	2:4i:148[B]:ILE:CD1	2.36	0.56
2:3m:273:LEU:CD2	2:4i:279:ILE:HG23	2.31	0.56
2:3n:97:TYR:CE2	2:3n:111:VAL:HB	2.38	0.56
2:6n:73:VAL:HG11	2:7p:27:ILE:HA	1.87	0.56
2:8q:180:VAL:HG21	2:9H:184:LEU:O	2.05	0.56
2:8s:73:VAL:HG11	2:9I:27:ILE:HA	1.87	0.56
2:8s:246:LYS:CA	2:9I:239:THR:C	2.78	0.56
2:8t:242:LEU:CB	2:7s:244:GLY:HA3	2.35	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9H:92:SER:HB3	2:9H:119:SER:HB2	1.87	0.56
2:2q:92:SER:HB3	2:2q:119:SER:HB2	1.87	0.56
2:2s:234:LEU:HD21	2:3w:243:GLY:C	2.30	0.56
2:5k:97:TYR:CE2	2:5k:111:VAL:HB	2.38	0.56
2:7r:248:GLY:O	2:9L:279:ILE:HA	2.05	0.56
2:7s:92:SER:HB3	2:7s:119:SER:HB2	1.87	0.56
2:8w:279:ILE:HG21	2:9I:273:LEU:CD2	2.31	0.56
2:1u:99:VAL:HG12	2:2t:28:ILE:CD1	2.35	0.56
2:1v:222:LEU:CB	2:3v:226:ILE:HG22	2.34	0.56
2:2x:92:SER:HB3	2:2x:119:SER:HB2	1.87	0.56
2:6w:280:SER:OG	2:7t:247:LYS:CD	2.54	0.56
2:7x:28:ILE:HD11	2:9N:99:VAL:HG12	1.88	0.56
2:9M:232:TYR:OH	2:9J:234:LEU:CA	2.53	0.56
1:3C:217:MET:C	1:3C:217:MET:SD	2.89	0.56
1:6F:30:ASP:OD1	1:6F:30:ASP:C	2.48	0.56
1:7A:448:ALA:CB	2:7d:57:MET:HA	2.32	0.56
1:7B:245:GLU:OE1	1:7B:245:GLU:N	2.31	0.56
1:4K:200:ILE:HG12	1:4K:342:VAL:O	2.04	0.56
1:4K:209:ALA:HB1	1:4K:212:GLU:OE2	2.06	0.56
1:5L:422:THR:CG2	1:5L:427:LYS:HG3	2.33	0.56
1:8H:407:ASN:OD1	1:8H:407:ASN:O	2.24	0.56
1:1Q:407:ASN:O	1:1Q:408:GLU:HB2	2.05	0.56
1:7K:245:GLU:OE1	1:7K:245:GLU:N	2.34	0.56
1:7L:444:GLY:N	2:7l:45:LYS:HZ1	2.04	0.56
1:8N:407:ASN:OD1	1:8N:407:ASN:O	2.24	0.56
1:3S:228:GLN:OE1	1:3S:228:GLN:N	2.30	0.56
1:4X:397:THR:O	1:4X:397:THR:HG22	2.05	0.56
1:7Q:447:GLN:HB2	2:7q:42:VAL:CG1	2.36	0.56
1:7R:445:GLY:HA3	2:7p:54:GLN:O	2.06	0.56
1:7S:397:THR:HA	2:7o:107:LEU:N	2.18	0.56
1:8X:252:ASP:C	1:8X:252:ASP:OD1	2.46	0.56
1:9D:447:GLN:CG	2:9I:41:TYR:OH	2.52	0.56
1:2V:357:ASN:OD1	1:2V:358:ILE:N	2.39	0.56
1:4d:388:GLU:HB3	1:4d:413:THR:HB	1.86	0.56
1:7U:428:LEU:N	1:7U:428:LEU:HD23	2.21	0.56
1:7V:296:ASP:OD1	1:7V:296:ASP:C	2.49	0.56
1:8b:202:GLU:CG	1:8b:343:SER:HB2	2.36	0.56
2:2Z:212:GLY:HA3	2:1l:203:ASN:HD22	1.70	0.56
2:2b:92:SER:HB3	2:2b:119:SER:HB2	1.87	0.56
2:2b:200:LEU:HD11	2:3e:200:LEU:CD2	2.36	0.56
2:2d:250:ALA:HB1	2:3k:281:LEU:O	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:242:LEU:HD12	2:4n:234:LEU:HD23	1.87	0.56
2:4e:97:TYR:CE2	2:4e:111:VAL:HB	2.38	0.56
2:6h:158[B]:ILE:HD11	2:8j:158[B]:ILE:HD11	1.86	0.56
2:7a:242:LEU:CD2	2:6v:236:ALA:HA	2.35	0.56
2:7d:244:GLY:HA3	2:9P:242:LEU:CB	2.35	0.56
2:1j:210:LEU:HD22	2:3j:201:VAL:HG22	1.88	0.56
2:2f:200:LEU:CD2	2:3j:200:LEU:HD12	2.10	0.56
2:2h:228:ALA:CA	2:3p:228:ALA:C	2.78	0.56
2:2i:26:ASP:O	2:1o:73:VAL:HG21	2.05	0.56
2:2i:231:PRO:HG3	2:3o:229:GLY:CA	2.32	0.56
2:2i:232:TYR:CD2	2:3o:232:TYR:CE1	2.84	0.56
2:3i:273:LEU:HD21	2:4g:279:ILE:HG21	1.81	0.56
2:5g:223:ARG:CG	2:7e:226:ILE:O	2.54	0.56
2:8k:278:ILE:HG22	2:9G:278:ILE:CB	2.19	0.56
2:8k:279:ILE:N	2:9G:248:GLY:H	2.04	0.56
2:8l:97:TYR:CE2	2:8l:111:VAL:HB	2.38	0.56
2:8m:266:LEU:HD21	2:8q:265:ASP:HB3	1.87	0.56
2:1o:280:SER:HB2	2:3o:249:ALA:HA	1.88	0.56
2:2l:214:PRO:CG	2:3m:225:MET:HG3	2.32	0.56
2:6n:206:VAL:HG11	2:5l:210:LEU:HA	1.88	0.56
2:7m:92:SER:HB3	2:7m:119:SER:HB2	1.87	0.56
2:7n:28:ILE:HD11	2:8r:99:VAL:HG12	1.88	0.56
2:2o:222:LEU:CB	2:1x:226:ILE:CG2	2.84	0.56
2:2p:240:THR:C	2:3r:246:LYS:CG	2.74	0.56
2:5k:266:LEU:HD22	2:6s:266:LEU:N	2.21	0.56
2:5k:279:ILE:HG22	2:6s:272:VAL:CG1	2.35	0.56
2:6r:236:ALA:HA	2:7u:242:LEU:CD2	2.35	0.56
2:8y:246:LYS:CA	2:9J:239:THR:C	2.78	0.56
2:8z:61:ALA:HB3	2:9N:57:MET:HB3	1.87	0.56
2:1v:76:ASN:ND2	2:1v:116:LYS:CD	2.59	0.56
2:1w:280:SER:HB2	2:3w:249:ALA:HA	1.88	0.56
2:2v:219:LYS:C	2:3u:226:ILE:O	2.49	0.56
2:5m:223:ARG:CG	2:7t:226:ILE:O	2.54	0.56
2:5m:266:LEU:HD13	2:6w:266:LEU:CA	2.32	0.56
2:9M:225:MET:HG2	2:9J:214:PRO:CG	2.34	0.56
1:2E:356:PRO:HD2	1:2E:369:PHE:CD2	2.40	0.56
1:4F:355:SER:HB3	1:4F:356:PRO:HD3	1.88	0.56
1:5F:422:THR:CG2	1:5F:427:LYS:HG3	2.33	0.56
1:6E:110:TYR:CD2	1:6E:110:TYR:O	2.59	0.56
1:7A:428:LEU:N	1:7A:428:LEU:HD23	2.21	0.56
1:7C:355:SER:HB2	1:7C:370:THR:N	2.13	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2G:392:THR:CB	2:2g:46:ASP:OD2	2.52	0.56
1:7F:428:LEU:HD23	1:7F:428:LEU:N	2.21	0.56
1:8J:202:GLU:CG	1:8J:343:SER:HB2	2.36	0.56
1:2L:407:ASN:ND2	2:2l:46:ASP:O	2.37	0.56
1:3O:202:GLU:N	1:3O:203:PRO:HD2	2.20	0.56
1:6P:287:SER:OG	1:6P:288:THR:N	2.33	0.56
1:8R:446:ALA:HB1	2:8s:19:LEU:HD12	1.87	0.56
1:9C:392:THR:HG23	2:9H:46:ASP:OD2	2.02	0.56
1:8T:407:ASN:OD1	1:8T:407:ASN:O	2.24	0.56
1:8W:447:GLN:HG2	2:8z:44:VAL:HG11	1.85	0.56
1:1a:91:ILE:HG22	1:1a:91:ILE:O	2.05	0.56
1:1b:314:ASN:OD1	1:1b:314:ASN:C	2.49	0.56
1:2V:356:PRO:HB2	1:2V:369:PHE:HE2	1.71	0.56
1:2Y:28:GLN:CG	2:1v:52:LEU:HD11	2.36	0.56
1:2Y:245:GLU:OE1	1:2Y:245:GLU:N	2.33	0.56
1:3d:245:GLU:OE1	1:3d:245:GLU:N	2.27	0.56
1:9E:228:GLN:OE1	1:9E:228:GLN:N	2.26	0.56
2:1h:227:GLY:CA	2:2t:223:ARG:NH1	2.68	0.56
2:2Z:111:VAL:HG11	2:1l:41:TYR:OH	2.05	0.56
2:2c:256:ALA:HB3	2:4f:263:VAL:CG2	2.36	0.56
2:6f:201:VAL:HG21	2:5h:210:LEU:HD22	1.86	0.56
2:6f:239:THR:HA	2:5h:247:LYS:C	2.30	0.56
2:6g:239:THR:C	2:7Z:246:LYS:HD3	2.28	0.56
2:7c:158[B]:ILE:HG23	2:8j:149[B]:ILE:CG2	2.36	0.56
2:7d:247:LYS:CG	2:9P:239:THR:CG2	2.84	0.56
2:8e:141:PRO:HA	2:9O:131:THR:HG21	1.88	0.56
2:8e:256:ALA:C	2:9O:263:VAL:CG2	2.55	0.56
2:1i:228:ALA:CA	2:1p:229:GLY:O	2.40	0.56
2:1j:119:SER:HB3	2:3j:126:LYS:HG2	1.87	0.56
2:2f:226:ILE:HG13	2:3j:223:ARG:CG	2.28	0.56
2:2g:219:LYS:C	2:3i:226:ILE:O	2.49	0.56
2:2g:236:ALA:CA	2:3i:242:LEU:HD13	2.22	0.56
2:2i:170:LEU:HD13	2:3o:174:LEU:HD23	1.87	0.56
2:2i:231:PRO:CD	2:3o:229:GLY:CA	2.84	0.56
2:3i:234:LEU:CD2	2:4g:243:GLY:HA2	2.34	0.56
2:5g:259:VAL:CG1	2:6k:257:THR:C	2.79	0.56
2:5g:266:LEU:HD22	2:6k:266:LEU:N	2.21	0.56
2:5g:269:LEU:CG	2:6k:269:LEU:CD2	2.76	0.56
2:7h:249:ALA:C	2:8p:280:SER:H	2.14	0.56
2:7i:92:SER:HB3	2:7i:119:SER:HB2	1.87	0.56
2:8k:206:VAL:HG23	2:9G:212:GLY:HA2	1.85	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:274:LYS:HE2	2:9G:251:VAL:HG13	1.88	0.56
2:8m:73:VAL:HG11	2:9H:27:ILE:HA	1.87	0.56
2:1m:235:PRO:O	2:2j:242:LEU:HD11	1.97	0.56
2:1n:247:LYS:C	2:3n:239:THR:HA	2.29	0.56
2:2k:92:SER:HB3	2:2k:119:SER:HB2	1.87	0.56
2:2l:127:ASP:OD1	2:4i:122:VAL:HG23	2.06	0.56
2:6o:41:TYR:OH	2:7j:111:VAL:HG11	2.06	0.56
2:7j:92:SER:HB3	2:7j:119:SER:HB2	1.87	0.56
2:8s:148[A]:ILE:HG23	2:8w:145:ARG:CG	2.36	0.56
2:2q:200:LEU:HD11	2:3q:200:LEU:CD2	2.36	0.56
2:2q:223:ARG:HG3	2:3q:226:ILE:O	2.05	0.56
2:2s:246:LYS:NZ	2:3w:240:THR:C	2.63	0.56
2:4l:99:VAL:HG11	2:3x:5:PHE:CZ	2.41	0.56
2:6t:118:ILE:HG21	2:9L:118:ILE:CD1	2.35	0.56
2:7r:158[B]:ILE:HG23	2:9L:149[B]:ILE:CG2	2.36	0.56
2:8y:61:ALA:HB1	2:9J:57:MET:HE3	1.87	0.56
2:1v:210:LEU:HD22	2:3v:201:VAL:HG22	1.88	0.56
2:2t:92:SER:HB3	2:2t:119:SER:HB2	1.87	0.56
2:2u:226:ILE:O	2:3v:223:ARG:CD	2.54	0.56
2:2v:247:LYS:CG	2:3u:280:SER:OG	2.43	0.56
2:5m:266:LEU:HD22	2:6w:266:LEU:N	2.21	0.56
2:6w:196:LEU:CD2	2:7t:183:PHE:CZ	2.89	0.56
2:9M:173:LEU:HD13	2:9J:157:LEU:O	2.06	0.56
1:2B:357:ASN:OD1	1:2B:358:ILE:N	2.39	0.56
1:3F:444:GLY:O	2:3e:44:VAL:CG2	2.53	0.56
1:6A:447:GLN:NE2	2:6h:56:ASN:HB3	2.21	0.56
1:8D:202:GLU:CG	1:8D:343:SER:HB2	2.36	0.56
1:1K:201:ASP:OD2	1:1L:372:TYR:OH	2.05	0.56
1:3I:447:GLN:CD	2:3l:44:VAL:HG21	2.31	0.56
1:4J:58:GLN:OE1	1:4J:58:GLN:N	2.39	0.56
1:3M:245:GLU:OE1	1:3M:245:GLU:N	2.26	0.56
1:4R:355:SER:HB3	1:4R:356:PRO:HD3	1.87	0.56
1:4R:447:GLN:HG2	2:4j:44:VAL:CG1	2.36	0.56
1:6Q:443:SER:O	2:6n:45:LYS:HE3	2.06	0.56
1:7K:428:LEU:N	1:7K:428:LEU:HD23	2.21	0.56
1:1U:447:GLN:HA	2:1s:42:VAL:CG1	2.36	0.56
1:2Q:357:ASN:OD1	1:2Q:358:ILE:N	2.39	0.56
1:3U:217:MET:C	1:3U:217:MET:SD	2.89	0.56
1:4V:58:GLN:OE1	1:4V:58:GLN:N	2.39	0.56
1:4X:443:SER:CB	2:4l:44:VAL:HG21	2.26	0.56
1:9D:448:ALA:HA	2:9I:57:MET:HA	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3a:203:PRO:HA	1:3a:209:ALA:HB3	1.88	0.56
1:4d:396:ILE:O	1:4d:396:ILE:HG13	2.05	0.56
1:5Z:209:ALA:HB1	1:5Z:212:GLU:HB2	1.88	0.56
1:8Y:446:ALA:HB3	2:9M:55:VAL:CA	2.33	0.56
2:1g:73:VAL:HG21	2:2x:26:ASP:O	2.05	0.56
2:2Z:92:SER:HB3	2:2Z:119:SER:HB2	1.87	0.56
2:2c:242:LEU:CB	2:3l:234:LEU:CD1	2.75	0.56
2:2d:245:VAL:C	2:3k:237:ALA:HB1	2.27	0.56
2:3g:174:LEU:CD2	2:2x:170:LEU:HB3	2.35	0.56
2:3g:281:LEU:O	2:2x:250:ALA:HB1	2.06	0.56
2:5e:73:VAL:HG11	2:7Z:27:ILE:HA	1.88	0.56
2:8e:273:LEU:CB	2:9F:273:LEU:CD2	2.81	0.56
2:8h:239:THR:N	2:7i:247:LYS:CB	2.68	0.56
2:2g:212:GLY:HA3	2:3i:203:ASN:CG	2.30	0.56
2:2h:242:LEU:HD23	2:3p:244:GLY:O	1.25	0.56
2:5g:154:ALA:HB1	2:6k:158[A]:ILE:HA	1.88	0.56
2:6i:136:LEU:HD21	2:8o:125:ILE:HD13	1.86	0.56
2:7h:254:SER:CB	2:8p:267:ASN:CG	2.73	0.56
2:8n:61:ALA:HB3	2:8r:57:MET:HB3	1.87	0.56
2:1m:219:LYS:HG2	2:2j:225:MET:O	2.06	0.56
2:2j:184:LEU:HD23	2:1t:180:VAL:HG13	1.87	0.56
2:2l:219:LYS:C	2:3m:226:ILE:O	2.49	0.56
2:2l:228:ALA:HB1	2:4i:228:ALA:HB1	1.88	0.56
2:4j:247:LYS:NZ	2:3t:239:THR:N	2.54	0.56
2:5i:263:VAL:HG11	2:6o:256:ALA:H	1.70	0.56
2:6n:234:LEU:HD21	2:7p:243:GLY:HA2	1.87	0.56
2:6o:280:SER:OG	2:7j:247:LYS:CD	2.54	0.56
2:8q:154:ALA:HB1	2:9H:158[B]:ILE:HG23	1.86	0.56
2:1q:97:TYR:CE2	2:1q:111:VAL:HB	2.38	0.56
2:1q:183:PHE:CD1	2:2o:199:LEU:HD13	2.41	0.56
2:1q:219:LYS:HG2	2:2o:225:MET:O	2.06	0.56
2:1r:119:SER:HB3	2:3r:126:LYS:HG2	1.87	0.56
2:2o:246:LYS:C	2:1x:239:THR:HA	2.30	0.56
2:2p:226:ILE:O	2:3r:223:ARG:CD	2.54	0.56
2:5l:114:ARG:HB2	2:7p:114:ARG:HD2	1.89	0.56
2:6r:227:GLY:CA	2:5n:223:ARG:HD3	2.32	0.56
2:8w:174:LEU:O	2:9I:167:LYS:HB3	2.05	0.56
2:1w:183:PHE:CE2	2:3w:183:PHE:CE2	2.93	0.56
2:2v:127:ASP:OD1	2:4m:122:VAL:HG23	2.05	0.56
2:2v:183:PHE:CZ	2:3u:196:LEU:CD2	2.89	0.56
2:2v:200:LEU:HD11	2:3u:200:LEU:CD2	2.36	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3u:116:LYS:HA	2:3u:116:LYS:CE	2.22	0.56
2:7w:248:GLY:C	2:9R:280:SER:H	2.12	0.56
2:9M:279:ILE:N	2:9J:248:GLY:H	2.04	0.56
2:9N:97:TYR:CE2	2:9N:111:VAL:HB	2.38	0.56
1:1D:448:ALA:C	2:1h:57:MET:SD	2.89	0.55
1:1E:111:ASP:OD1	1:1E:111:ASP:C	2.45	0.55
1:8B:407:ASN:OD1	1:8B:407:ASN:O	2.24	0.55
1:8C:245:GLU:OE1	1:8C:245:GLU:N	2.30	0.55
1:2G:357:ASN:OD1	1:2G:358:ILE:N	2.39	0.55
1:3I:252:ASP:OD1	1:3I:252:ASP:C	2.47	0.55
1:2O:447:GLN:NE2	2:2n:44:VAL:CG1	2.67	0.55
1:3N:396:ILE:HG23	1:3N:396:ILE:O	2.04	0.55
1:3O:203:PRO:HA	1:3O:209:ALA:HB3	1.88	0.55
1:4Q:199:LYS:HD3	1:4Q:202:GLU:HG2	1.89	0.55
1:7N:58:GLN:N	1:7N:58:GLN:OE1	2.38	0.55
1:8N:245:GLU:OE1	1:8N:245:GLU:N	2.32	0.55
1:8O:392:THR:HG22	2:8v:107:LEU:HG	1.88	0.55
1:8R:446:ALA:CB	2:8s:19:LEU:HD12	2.36	0.55
1:9C:407:ASN:CB	2:9H:45:LYS:HG3	2.36	0.55
1:2P:26:ASN:ND2	2:1x:51:ASP:OD1	2.33	0.55
1:3U:202:GLU:N	1:3U:203:PRO:HD2	2.20	0.55
1:5W:245:GLU:OE1	1:5W:245:GLU:N	2.26	0.55
1:6T:448:ALA:CB	2:6s:41:TYR:CE1	2.88	0.55
1:7T:25:ARG:NH1	2:5l:51:ASP:CG	2.62	0.55
1:3a:217:MET:C	1:3a:217:MET:SD	2.89	0.55
1:3a:447:GLN:HG2	2:3x:44:VAL:HG22	1.81	0.55
2:1f:247:LYS:C	2:3f:239:THR:HA	2.29	0.55
2:3e:76:ASN:ND2	2:3e:116:LYS:CD	2.59	0.55
2:3e:245:VAL:O	2:4e:237:ALA:CB	2.54	0.55
2:6e:186:ALA:HB2	2:8i:180:VAL:HG21	1.87	0.55
2:8e:265:ASP:HB3	2:9O:266:LEU:HD21	1.87	0.55
2:8g:237:ALA:HB1	2:8k:247:LYS:CB	2.22	0.55
2:1i:122:VAL:HG23	2:2e:127:ASP:CG	2.30	0.55
2:1i:210:LEU:HD22	2:2e:201:VAL:HG22	1.86	0.55
2:2e:222:LEU:CB	2:1p:226:ILE:CG2	2.84	0.55
2:3i:148[B]:ILE:HD11	2:4g:148[B]:ILE:CD1	2.36	0.55
2:7h:254:SER:HB3	2:8p:267:ASN:OD1	2.02	0.55
2:1p:116:LYS:HA	2:1p:116:LYS:CE	2.22	0.55
2:2n:273:LEU:HD21	2:3s:279:ILE:CG2	2.35	0.55
2:4j:247:LYS:HZ3	2:3t:239:THR:HG23	1.71	0.55
2:7m:234:LEU:CD1	2:8v:234:LEU:HD13	2.33	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7m:278:ILE:CD1	2:8v:278:ILE:HG22	2.28	0.55
2:8q:240:THR:O	2:9H:246:LYS:NZ	2.15	0.55
2:2o:193:LYS:CD	2:1x:202:SER:HB3	2.35	0.55
2:3q:245:VAL:N	2:4k:243:GLY:O	2.38	0.55
2:3q:245:VAL:O	2:4k:237:ALA:CB	2.54	0.55
2:6r:210:LEU:HD23	2:7u:206:VAL:HG11	1.86	0.55
2:8y:28:ILE:CB	2:9M:73:VAL:CG1	2.84	0.55
2:8y:111:VAL:CG2	2:9J:57:MET:HE2	2.33	0.55
2:1u:122:VAL:HG23	2:2t:127:ASP:CG	2.30	0.55
2:1w:279:ILE:CG2	2:3w:248:GLY:HA3	2.36	0.55
2:6u:167:LYS:HE3	2:9Q:173:LEU:O	2.05	0.55
2:6w:41:TYR:OH	2:7t:111:VAL:HG11	2.06	0.55
2:7v:92:SER:HB3	2:7v:119:SER:HB2	1.87	0.55
1:1F:354:VAL:CG2	1:1F:432:GLU:C	2.78	0.55
1:2B:356:PRO:HB2	1:2B:369:PHE:HE2	1.71	0.55
1:3C:202:GLU:N	1:3C:203:PRO:HD2	2.20	0.55
1:6A:448:ALA:HB2	2:6h:41:TYR:CD2	2.38	0.55
1:6E:202:GLU:OE1	1:6E:205:SER:OG	2.23	0.55
1:4K:199:LYS:HD3	1:4K:202:GLU:HG2	1.89	0.55
1:7G:245:GLU:OE1	1:7G:245:GLU:N	2.31	0.55
1:7H:447:GLN:HA	2:7f:41:TYR:CE1	2.38	0.55
1:1M:442:ALA:HB3	2:1m:45:LYS:CE	2.36	0.55
1:2N:245:GLU:OE1	1:2N:245:GLU:N	2.27	0.55
1:5O:314:ASN:OD1	1:5O:314:ASN:C	2.49	0.55
1:6Q:204:THR:O	1:6Q:204:THR:HG22	2.06	0.55
1:6S:446:ALA:HA	2:6t:44:VAL:HG23	1.88	0.55
1:7P:448:ALA:C	2:7s:60:LEU:CD1	2.77	0.55
1:7R:406:GLY:N	2:7p:44:VAL:O	2.37	0.55
1:7S:58:GLN:N	1:7S:58:GLN:OE1	2.38	0.55
1:8W:446:ALA:HA	2:8z:44:VAL:H	1.72	0.55
1:2V:128:LYS:NZ	1:2V:355:SER:O	2.38	0.55
1:2V:358:ILE:HG23	1:2V:358:ILE:O	2.04	0.55
1:3a:202:GLU:N	1:3a:203:PRO:CD	2.69	0.55
1:3b:380:ASP:OD1	1:3b:380:ASP:C	2.49	0.55
1:4b:58:GLN:N	1:4b:58:GLN:OE1	2.39	0.55
1:6c:110:TYR:CD2	1:6c:110:TYR:O	2.59	0.55
1:7W:392:THR:O	2:7u:46:ASP:OD2	2.23	0.55
1:8Y:392:THR:HG23	2:9M:107:LEU:HG	1.88	0.55
1:8Z:355:SER:HB2	1:8Z:356:PRO:HD2	1.86	0.55
1:8Z:407:ASN:OD1	1:8Z:407:ASN:O	2.24	0.55
1:9E:445:GLY:HA3	2:9J:53:THR:CB	2.36	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:122:VAL:HG23	2:2Z:127:ASP:CG	2.30	0.55
2:1e:247:LYS:CG	2:2Z:239:THR:HG22	1.86	0.55
2:5e:223:ARG:CG	2:7Z:226:ILE:O	2.54	0.55
2:5e:263:VAL:HG11	2:6g:256:ALA:H	1.70	0.55
2:5e:266:LEU:HD22	2:6g:266:LEU:N	2.21	0.55
2:6f:197:GLN:NE2	2:7f:200:LEU:O	2.33	0.55
2:8g:28:ILE:CA	2:8k:73:VAL:HG11	2.35	0.55
2:8g:148[A]:ILE:HG23	2:8k:145:ARG:CG	2.36	0.55
2:2g:228:ALA:HB1	2:4g:228:ALA:HB1	1.88	0.55
2:2i:232:TYR:HB3	2:3o:232:TYR:HB2	1.89	0.55
2:2i:250:ALA:HB1	2:3o:281:LEU:O	2.06	0.55
2:6j:226:ILE:HD12	2:5j:223:ARG:HA	1.88	0.55
2:7h:193:LYS:CD	2:8p:200:LEU:C	2.78	0.55
2:8m:28:ILE:CB	2:8q:73:VAL:CG1	2.84	0.55
2:2n:234:LEU:HD13	2:3s:234:LEU:HD12	1.79	0.55
2:2n:251:VAL:HG11	2:3s:279:ILE:HD12	1.87	0.55
2:6n:232:TYR:CD2	2:7p:232:TYR:CZ	2.94	0.55
2:6o:200:LEU:O	2:7j:197:GLN:HG3	2.07	0.55
2:6o:242:LEU:CD1	2:7j:235:PRO:CA	2.84	0.55
2:2o:111:VAL:HG11	2:1x:41:TYR:OH	2.05	0.55
2:2q:228:ALA:HB1	2:4k:228:ALA:HB1	1.88	0.55
2:6q:251:VAL:O	2:9K:270:ILE:HG21	2.03	0.55
2:6q:269:LEU:HD11	2:9K:273:LEU:HD11	1.85	0.55
2:6t:118:ILE:CG2	2:9L:118:ILE:HD13	2.36	0.55
2:8w:232:TYR:OH	2:9I:234:LEU:CA	2.53	0.55
2:2v:209:LEU:HD11	2:3u:222:LEU:CD2	2.37	0.55
2:5m:73:VAL:HG11	2:7t:27:ILE:HA	1.88	0.55
2:6w:242:LEU:HD13	2:7t:235:PRO:CA	2.24	0.55
1:4D:58:GLN:N	1:4D:58:GLN:OE1	2.39	0.55
1:4E:444:GLY:HA2	2:4e:45:LYS:HZ1	1.70	0.55
1:6B:445:GLY:O	2:6g:44:VAL:CG2	2.46	0.55
1:7D:58:GLN:N	1:7D:58:GLN:OE1	2.38	0.55
1:2G:128:LYS:NZ	1:2G:355:SER:O	2.38	0.55
1:2G:356:PRO:HB2	1:2G:369:PHE:HE2	1.71	0.55
1:2L:357:ASN:OD1	1:2L:358:ILE:N	2.39	0.55
1:1V:314:ASN:OD1	1:1V:314:ASN:C	2.49	0.55
1:4W:199:LYS:HD3	1:4W:202:GLU:HG2	1.88	0.55
1:8T:355:SER:HB2	1:8T:356:PRO:HD2	1.86	0.55
1:8Z:228:GLN:H	1:8Z:228:GLN:CD	2.12	0.55
1:8c:445:GLY:O	2:9P:44:VAL:CA	2.54	0.55
2:1g:280:SER:HB2	2:3g:249:ALA:HA	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2Z:184:LEU:HD23	2:1l:180:VAL:HG13	1.87	0.55
2:2d:234:LEU:HD21	2:3k:243:GLY:C	2.30	0.55
2:5e:237:ALA:HB1	2:6g:247:LYS:H	1.72	0.55
2:6f:97:TYR:CE2	2:6f:111:VAL:HB	2.38	0.55
2:7c:249:ALA:C	2:8j:280:SER:H	2.14	0.55
2:8h:116:LYS:HA	2:8h:116:LYS:CE	2.22	0.55
2:9F:226:ILE:HG22	2:9O:222:LEU:HD12	1.80	0.55
2:2g:141:PRO:HB2	2:3i:150:GLU:OE1	2.06	0.55
2:7h:92:SER:HB3	2:7h:119:SER:HB2	1.87	0.55
2:7i:28:ILE:HD11	2:8l:99:VAL:HG12	1.88	0.55
2:8k:225:MET:O	2:9G:214:PRO:HG2	2.06	0.55
2:8m:157:LEU:HD12	2:9H:173:LEU:HB3	1.89	0.55
2:8m:270:ILE:HD12	2:8q:253:ALA:CA	2.25	0.55
2:1m:122:VAL:HG23	2:2j:127:ASP:CG	2.30	0.55
2:1m:183:PHE:CD1	2:2j:199:LEU:HD13	2.41	0.55
2:2l:141:PRO:HB2	2:3m:150:GLU:OE1	2.06	0.55
2:4j:111:VAL:HG13	2:3t:57:MET:SD	2.46	0.55
2:4j:234:LEU:HD23	2:3t:242:LEU:HD12	1.87	0.55
2:5i:97:TYR:C	2:5i:110:LEU:CB	2.71	0.55
2:8q:225:MET:CG	2:9H:214:PRO:CD	2.53	0.55
2:8s:136:LEU:HD22	2:8w:136:LEU:HD13	1.87	0.55
2:2q:209:LEU:HD11	2:3q:222:LEU:CD2	2.37	0.55
2:2q:219:LYS:C	2:3q:226:ILE:O	2.49	0.55
2:2q:239:THR:CG2	2:4k:247:LYS:O	2.47	0.55
2:2s:273:LEU:HD21	2:3w:279:ILE:CG2	2.35	0.55
2:6s:41:TYR:OH	2:7o:111:VAL:HG11	2.06	0.55
2:6s:200:LEU:O	2:7o:197:GLN:HG3	2.07	0.55
2:8w:225:MET:O	2:9I:214:PRO:HG2	2.06	0.55
2:8w:226:ILE:HB	2:9I:219:LYS:HA	1.87	0.55
2:8y:266:LEU:HD21	2:9M:265:ASP:HB3	1.87	0.55
2:2u:92:SER:HB3	2:2u:119:SER:HB2	1.87	0.55
2:2u:127:ASP:OD1	2:3v:122:VAL:N	2.39	0.55
2:6x:244:GLY:CA	2:7w:243:GLY:O	2.54	0.55
2:9M:225:MET:CG	2:9J:214:PRO:CD	2.53	0.55
2:9M:279:ILE:HG21	2:9J:273:LEU:CD2	2.31	0.55
2:9O:97:TYR:CE2	2:9O:111:VAL:HB	2.38	0.55
1:3C:252:ASP:OD1	1:3C:252:ASP:C	2.47	0.55
1:4E:209:ALA:HB1	1:4E:212:GLU:OE2	2.06	0.55
1:4E:314:ASN:OD1	1:4E:314:ASN:C	2.50	0.55
1:6D:392:THR:OG1	1:6D:393:GLY:N	2.40	0.55
1:7E:91:ILE:HG22	1:7E:91:ILE:O	2.06	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2J:397:THR:HA	2:2i:107:LEU:HB2	1.88	0.55
1:6J:228:GLN:OE1	1:6J:228:GLN:N	2.27	0.55
1:6K:202:GLU:OE1	1:6K:205:SER:OG	2.23	0.55
1:5R:446:ALA:CB	2:5j:56:ASN:HB2	2.36	0.55
1:7N:407:ASN:HD21	2:7j:46:ASP:HB2	1.72	0.55
1:7O:91:ILE:HG22	1:7O:91:ILE:O	2.06	0.55
1:9C:141:HIS:ND1	1:9C:141:HIS:C	2.65	0.55
1:9C:446:ALA:C	2:9H:55:VAL:HG13	2.31	0.55
1:1S:447:GLN:HG3	2:1q:44:VAL:HG21	1.87	0.55
1:2T:355:SER:OG	1:2T:372:TYR:HE1	1.89	0.55
1:3W:440:ASN:OD1	1:3W:440:ASN:C	2.50	0.55
1:5X:448:ALA:C	2:5l:63:TRP:HZ2	2.14	0.55
1:6W:204:THR:HG22	1:6W:204:THR:O	2.06	0.55
1:8U:444:GLY:O	2:9L:44:VAL:CG2	2.54	0.55
1:1c:407:ASN:O	1:1c:408:GLU:HB2	2.05	0.55
1:8Y:24:ILE:O	1:8Y:24:ILE:CG2	2.50	0.55
2:1g:130:ASP:N	2:3g:139:ASN:HA	2.22	0.55
2:2Z:246:LYS:CB	2:1l:239:THR:C	2.72	0.55
2:2b:141:PRO:HB2	2:3e:150:GLU:OE1	2.06	0.55
2:2d:170:LEU:HD13	2:3k:174:LEU:HD23	1.87	0.55
2:2d:190:ASP:OD1	2:3k:202:SER:CB	2.53	0.55
2:3h:57:MET:HG3	2:4n:62:ALA:HB2	1.87	0.55
2:4f:99:VAL:HG11	2:3l:5:PHE:CZ	2.41	0.55
2:6e:258:ASP:HA	2:8i:259:VAL:HG21	0.63	0.55
2:6g:127:ASP:CG	2:7Z:121[A]:GLU:HB2	2.32	0.55
2:6g:280:SER:OG	2:7Z:247:LYS:CD	2.54	0.55
2:7b:270:ILE:HD13	2:9Q:253:ALA:HA	1.87	0.55
2:7c:92:SER:HB3	2:7c:119:SER:HB2	1.87	0.55
2:7c:254:SER:N	2:8j:267:ASN:ND2	2.55	0.55
2:8e:175:PHE:CZ	2:9F:171:GLN:HG2	2.31	0.55
2:8e:225:MET:O	2:9F:214:PRO:HG2	2.06	0.55
2:8e:232:TYR:OH	2:9F:234:LEU:CA	2.53	0.55
2:8h:239:THR:CG2	2:7i:247:LYS:CG	2.84	0.55
2:9F:27:ILE:HA	2:9O:73:VAL:HG11	1.87	0.55
2:9F:57:MET:HE3	2:9O:61:ALA:HB1	1.87	0.55
2:2i:246:LYS:NZ	2:3o:240:THR:C	2.63	0.55
2:3i:214:PRO:CG	2:4g:225:MET:HG2	2.37	0.55
2:3l:97:TYR:C	2:3l:110:LEU:CB	2.71	0.55
2:5h:239:THR:HA	2:7f:247:LYS:O	2.06	0.55
2:6j:234:LEU:HD21	2:7k:243:GLY:HA2	1.87	0.55
2:6l:244:GLY:CA	2:7h:243:GLY:O	2.53	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9G:92:SER:HB3	2:9G:119:SER:HB2	1.87	0.55
2:1m:228:ALA:CA	2:1t:229:GLY:O	2.40	0.55
2:2l:200:LEU:HD11	2:3m:200:LEU:CD2	2.36	0.55
2:2n:246:LYS:NZ	2:3s:240:THR:C	2.64	0.55
2:2n:273:LEU:HD11	2:3s:273:LEU:HD13	1.88	0.55
2:3m:245:VAL:O	2:4i:237:ALA:CB	2.54	0.55
2:4j:99:VAL:HG11	2:3t:5:PHE:CZ	2.41	0.55
2:5i:173:LEU:O	2:6o:162:THR:OG1	2.18	0.55
2:5i:237:ALA:HB1	2:6o:247:LYS:H	1.72	0.55
2:5j:239:THR:HA	2:7k:247:LYS:O	2.06	0.55
2:6m:258:ASP:HA	2:8u:259:VAL:HG21	0.63	0.55
2:7n:27:ILE:CA	2:8r:73:VAL:HG11	2.37	0.55
2:8q:232:TYR:CE1	2:9H:232:TYR:C	2.83	0.55
2:8s:97:TYR:CE2	2:8s:111:VAL:HB	2.38	0.55
2:2p:120:ILE:HD13	2:3r:120:ILE:HD13	1.78	0.55
2:2r:120:ILE:HG12	2:4l:120:ILE:HD13	1.87	0.55
2:2s:232:TYR:HB3	2:3w:232:TYR:HB2	1.88	0.55
2:2s:248:GLY:H	2:3w:279:ILE:HA	1.71	0.55
2:6s:239:THR:C	2:7o:246:LYS:HD3	2.28	0.55
2:8w:180:VAL:HG21	2:9I:184:LEU:O	2.05	0.55
2:8w:280:SER:C	2:9I:249:ALA:O	2.44	0.55
2:8y:131:THR:HG21	2:9M:141:PRO:HA	1.88	0.55
2:9K:99:VAL:CG1	2:7v:28:ILE:HD12	2.33	0.55
2:1u:183:PHE:CD1	2:2t:199:LEU:HD13	2.41	0.55
2:1u:219:LYS:HG2	2:2t:225:MET:O	2.06	0.55
2:2v:236:ALA:CA	2:3u:242:LEU:HD13	2.23	0.55
2:3u:245:VAL:O	2:4m:237:ALA:CB	2.54	0.55
2:6w:239:THR:CG2	2:7t:247:LYS:CB	2.72	0.55
1:1E:407:ASN:O	1:1E:408:GLU:HB2	2.05	0.55
1:2C:423:GLU:OE1	1:2C:423:GLU:N	2.34	0.55
1:6F:446:ALA:HB3	2:6e:55:VAL:HA	1.88	0.55
1:7C:245:GLU:OE1	1:7C:245:GLU:N	2.26	0.55
1:1K:203:PRO:O	1:1K:204:THR:C	2.45	0.55
1:2J:245:GLU:OE1	1:2J:245:GLU:N	2.33	0.55
1:3I:202:GLU:N	1:3I:203:PRO:CD	2.69	0.55
1:5L:443:SER:HA	2:5h:45:LYS:HD3	1.88	0.55
1:7H:393:GLY:HA3	2:7f:15:ALA:HB3	1.88	0.55
1:8H:444:GLY:N	2:8l:45:LYS:HZ2	2.04	0.55
1:8I:446:ALA:N	2:8p:44:VAL:HG22	2.21	0.55
1:1M:240:THR:HG23	1:1M:240:THR:O	2.04	0.55
1:1O:447:GLN:N	2:1o:42:VAL:O	2.33	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3N:230:SER:OG	1:3N:231:ARG:N	2.32	0.55
1:4P:242:SER:OG	1:4P:337:ASN:ND2	2.38	0.55
1:4R:397:THR:HG22	1:4R:397:THR:O	2.05	0.55
1:5P:355:SER:HB3	1:5P:356:PRO:CD	2.37	0.55
1:8O:28:GLN:N	1:8O:28:GLN:OE1	2.37	0.55
1:1U:392:THR:HG22	2:1s:107:LEU:CG	2.36	0.55
1:2Q:358:ILE:O	1:2Q:358:ILE:HG23	2.04	0.55
1:4X:388:GLU:HB3	1:4X:413:THR:HB	1.86	0.55
1:6X:30:ASP:C	1:6X:30:ASP:OD1	2.48	0.55
1:7P:25:ARG:HH21	2:6s:53:THR:CA	2.20	0.55
1:7S:245:GLU:OE1	1:7S:245:GLU:N	2.31	0.55
1:8S:392:THR:HG21	2:8w:107:LEU:HD21	1.88	0.55
1:8V:202:GLU:CG	1:8V:343:SER:HB2	2.36	0.55
1:2Y:355:SER:OG	1:2Y:372:TYR:HE1	1.89	0.55
1:3a:362:LYS:HB2	1:3a:438:ARG:NH1	2.21	0.55
1:5d:443:SER:C	2:5n:44:VAL:HG21	2.29	0.55
1:6Y:447:GLN:OE1	2:6x:58:TYR:HB2	2.05	0.55
1:7U:447:GLN:C	2:7x:41:TYR:CE1	2.84	0.55
2:1h:203:ASN:HD22	2:2t:212:GLY:HA3	1.71	0.55
2:3e:214:PRO:CG	2:4e:225:MET:HG2	2.37	0.55
2:3h:57:MET:SD	2:4n:111:VAL:HG13	2.46	0.55
2:7a:232:TYR:CZ	2:6v:232:TYR:CD2	2.94	0.55
2:7d:226:ILE:HD13	2:8f:226:ILE:HD13	1.88	0.55
2:8e:225:MET:HG2	2:9F:214:PRO:CG	2.34	0.55
2:8g:73:VAL:HG11	2:9G:27:ILE:HA	1.88	0.55
2:9F:92:SER:HB3	2:9F:119:SER:HB2	1.87	0.55
2:2e:148[B]:ILE:HD13	2:1p:148[B]:ILE:CD1	2.37	0.55
2:3i:230:VAL:HG12	2:4g:227:GLY:O	2.07	0.55
2:3i:245:VAL:O	2:4g:237:ALA:CB	2.54	0.55
2:6j:232:TYR:CE2	2:7k:232:TYR:CZ	2.95	0.55
2:7h:158[B]:ILE:HG23	2:8p:149[B]:ILE:CG2	2.36	0.55
2:7h:254:SER:N	2:8p:267:ASN:ND2	2.55	0.55
2:8k:279:ILE:CG2	2:9G:273:LEU:HA	2.37	0.55
2:8n:239:THR:N	2:7n:247:LYS:CB	2.68	0.55
2:1o:279:ILE:CG2	2:3o:248:GLY:HA3	2.36	0.55
2:2k:240:THR:CA	2:3n:246:LYS:HD3	2.25	0.55
2:2n:231:PRO:CD	2:3s:229:GLY:CA	2.84	0.55
2:2s:190:ASP:OD1	2:3w:202:SER:CB	2.53	0.55
2:2s:250:ALA:HB1	2:3w:281:LEU:O	2.06	0.55
2:4l:111:VAL:HG13	2:3x:57:MET:SD	2.46	0.55
2:8w:173:LEU:HD13	2:9I:157:LEU:O	2.06	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:201:VAL:HG23	2:9I:197:GLN:HE21	1.64	0.55
2:1u:38:ILE:HD11	2:1u:114:ARG:CZ	2.34	0.55
2:1w:130:ASP:N	2:3w:139:ASN:HA	2.22	0.55
2:2v:183:PHE:CE1	2:3u:199:LEU:HD12	2.42	0.55
2:2w:256:ALA:HB3	2:4n:263:VAL:CG2	2.36	0.55
2:3u:214:PRO:CG	2:4m:225:MET:HG2	2.37	0.55
2:6u:253:ALA:CB	2:9Q:267:ASN:CG	2.72	0.55
1:1D:314:ASN:OD1	1:1D:314:ASN:C	2.49	0.55
1:2E:355:SER:OG	1:2E:372:TYR:HE1	1.90	0.55
1:5C:314:ASN:OD1	1:5C:314:ASN:C	2.49	0.55
1:7D:445:GLY:HA2	2:7Z:45:LYS:CD	2.36	0.55
1:7H:201:ASP:O	1:7H:202:GLU:C	2.50	0.55
1:5Q:447:GLN:N	2:5i:42:VAL:O	2.36	0.55
1:8N:355:SER:HB2	1:8N:356:PRO:HD2	1.86	0.55
1:8P:101:TYR:OH	1:8P:239:ARG:O	2.24	0.55
1:8R:245:GLU:OE2	1:8R:245:GLU:N	2.28	0.55
1:4X:396:ILE:O	1:4X:396:ILE:HG13	2.05	0.55
1:6V:314:ASN:OD1	1:6V:314:ASN:C	2.50	0.55
1:7P:447:GLN:C	2:7s:41:TYR:CD1	2.85	0.55
1:7T:28:GLN:CG	2:5l:52:LEU:HD13	2.37	0.55
2:2b:219:LYS:C	2:3e:226:ILE:O	2.49	0.55
2:2b:228:ALA:HB1	2:4e:228:ALA:HB1	1.88	0.55
2:3g:232:TYR:HB2	2:2x:232:TYR:HB3	1.89	0.55
2:3h:239:THR:N	2:4n:247:LYS:NZ	2.54	0.55
2:4f:62:ALA:HB2	2:3l:57:MET:HG3	1.87	0.55
2:6e:116:LYS:HG3	2:6e:117:GLU:OE1	2.07	0.55
2:6f:73:VAL:HG11	2:7f:27:ILE:HA	1.87	0.55
2:6f:232:TYR:CD2	2:7f:232:TYR:CZ	2.94	0.55
2:6g:41:TYR:OH	2:7Z:111:VAL:HG11	2.06	0.55
2:6g:232:TYR:OH	2:7Z:232:TYR:HE2	1.84	0.55
2:8e:196:LEU:CD2	2:9F:183:PHE:CE1	2.83	0.55
2:1i:247:LYS:HD3	2:2e:239:THR:CG2	2.30	0.55
2:1l:116:LYS:HG3	2:1l:117:GLU:OE1	2.07	0.55
2:2g:209:LEU:HD11	2:3i:222:LEU:CD2	2.37	0.55
2:2i:273:LEU:HD11	2:3o:273:LEU:HD13	1.88	0.55
2:3i:214:PRO:HG3	2:4g:225:MET:HG2	1.88	0.55
2:5g:263:VAL:HG22	2:6k:256:ALA:CB	2.18	0.55
2:6j:236:ALA:HA	2:7k:242:LEU:CD1	2.37	0.55
2:6l:278:ILE:HD13	2:7h:278:ILE:HG22	1.89	0.55
2:7f:92:SER:HB3	2:7f:119:SER:HB2	1.87	0.55
2:2j:148[B]:ILE:HD13	2:1t:148[B]:ILE:CD1	2.37	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2j:246:LYS:C	2:1t:239:THR:HA	2.30	0.55
2:2m:200:LEU:O	2:3t:197:GLN:HG2	2.04	0.55
2:2n:250:ALA:HB1	2:3s:281:LEU:O	2.06	0.55
2:6m:269:LEU:HD11	2:8u:273:LEU:HD11	1.85	0.55
2:6n:226:ILE:HD12	2:5l:223:ARG:HA	1.88	0.55
2:6o:127:ASP:CG	2:7j:121[A]:GLU:HB2	2.32	0.55
2:6p:244:GLY:CA	2:7m:243:GLY:O	2.53	0.55
2:7m:141:PRO:HB3	2:8v:147:ILE:O	2.07	0.55
2:7m:249:ALA:C	2:8v:280:SER:H	2.14	0.55
2:7n:226:ILE:HD13	2:8r:226:ILE:HD13	1.88	0.55
2:8q:225:MET:O	2:9H:214:PRO:HG2	2.06	0.55
2:8q:279:ILE:CG2	2:9H:273:LEU:HA	2.37	0.55
2:8s:266:LEU:HD21	2:8w:265:ASP:HB3	1.87	0.55
2:1r:227:GLY:O	2:2p:223:ARG:CD	2.53	0.55
2:1r:247:LYS:C	2:3r:239:THR:HA	2.30	0.55
2:2o:148[B]:ILE:HD13	2:1x:148[B]:ILE:CD1	2.37	0.55
2:2s:231:PRO:CD	2:3w:229:GLY:CA	2.84	0.55
2:3q:214:PRO:CG	2:4k:225:MET:HG2	2.37	0.55
2:3s:116:LYS:HG3	2:3s:117:GLU:OE1	2.07	0.55
2:4l:116:LYS:HG3	2:4l:117:GLU:OE1	2.07	0.55
2:6q:167:LYS:HE3	2:9K:173:LEU:O	2.05	0.55
2:6r:232:TYR:CD2	2:7u:232:TYR:CZ	2.94	0.55
2:6s:127:ASP:CG	2:7o:121[A]:GLU:HB2	2.32	0.55
2:8w:126:LYS:HB2	2:9I:119:SER:HB3	1.89	0.55
2:8y:97:TYR:CE2	2:8y:111:VAL:HB	2.38	0.55
2:1u:122:VAL:N	2:2t:127:ASP:OD1	2.37	0.55
2:1w:127:ASP:OD1	2:3w:122:VAL:HG23	2.05	0.55
2:5n:239:THR:HA	2:7u:247:LYS:O	2.06	0.55
2:6w:200:LEU:O	2:7t:197:GLN:HG3	2.07	0.55
2:7t:41:TYR:CD1	2:7t:55:VAL:HG13	2.42	0.55
2:7v:41:TYR:CD1	2:7v:55:VAL:HG13	2.42	0.55
2:7w:141:PRO:HB3	2:9R:147:ILE:O	2.07	0.55
2:7x:226:ILE:HD13	2:9N:226:ILE:HD13	1.88	0.55
2:9M:273:LEU:CB	2:9J:273:LEU:CD2	2.81	0.55
1:1C:91:ILE:HG22	1:1C:91:ILE:O	2.05	0.55
1:1C:446:ALA:HB1	2:1g:42:VAL:O	2.07	0.55
1:3D:380:ASP:OD1	1:3D:380:ASP:C	2.49	0.55
1:4E:199:LYS:HD3	1:4E:202:GLU:HG2	1.88	0.55
1:5E:245:GLU:OE1	1:5E:245:GLU:N	2.26	0.55
1:6D:287:SER:OG	1:6D:288:THR:N	2.33	0.55
1:6F:245:GLU:OE1	1:6F:245:GLU:N	2.28	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8C:28:GLN:N	1:8C:28:GLN:OE1	2.37	0.55
1:4K:314:ASN:OD1	1:4K:314:ASN:C	2.50	0.55
1:7F:245:GLU:OE1	1:7F:245:GLU:N	2.34	0.55
1:7G:296:ASP:OD1	1:7G:296:ASP:C	2.49	0.55
1:8J:392:THR:HG22	2:8o:107:LEU:HD11	1.88	0.55
1:1M:446:ALA:HA	2:1m:43:ALA:HA	1.88	0.55
1:1P:444:GLY:CA	2:1p:44:VAL:HG21	2.37	0.55
1:2O:245:GLU:OE1	1:2O:245:GLU:N	2.33	0.55
1:8M:445:GLY:O	2:8q:44:VAL:CG1	2.54	0.55
1:1U:444:GLY:HA2	2:1s:45:LYS:CG	2.35	0.55
1:1Y:228:GLN:OE1	1:1Y:228:GLN:N	2.29	0.55
1:1a:446:ALA:CA	2:1w:44:VAL:HG23	2.34	0.55
1:4b:245:GLU:OE1	1:4b:245:GLU:N	2.22	0.55
1:6c:202:GLU:OE1	1:6c:205:SER:HB3	2.04	0.55
1:6c:204:THR:HG22	1:6c:204:THR:O	2.06	0.55
2:1g:279:ILE:CG2	2:3g:248:GLY:HA3	2.36	0.55
2:2b:183:PHE:CZ	2:3e:196:LEU:CD2	2.89	0.55
2:2b:209:LEU:HD11	2:3e:222:LEU:CD2	2.37	0.55
2:2c:127:ASP:OD1	2:3l:121[B]:GLU:HA	2.07	0.55
2:2d:232:TYR:HB3	2:3k:232:TYR:HB2	1.89	0.55
2:3f:97:TYR:CE2	2:3f:111:VAL:HB	2.38	0.55
2:3h:229:GLY:N	2:2w:229:GLY:O	2.35	0.55
2:4e:145:ARG:HE	2:4e:159:ASN:HD21	1.55	0.55
2:6g:196:LEU:CD2	2:7Z:183:PHE:CZ	2.89	0.55
2:7c:245:VAL:O	2:8j:237:ALA:CB	2.52	0.55
2:8e:73:VAL:CG1	2:9O:28:ILE:CB	2.84	0.55
2:8g:167:LYS:HD3	2:9G:176:SER:HB3	1.89	0.55
2:8h:257:THR:O	2:8l:259:VAL:HG21	2.07	0.55
2:1i:238:THR:O	2:1p:247:LYS:N	2.29	0.55
2:1j:247:LYS:C	2:3j:239:THR:HA	2.29	0.55
2:5h:116:LYS:HG3	2:5h:117:GLU:OE1	2.07	0.55
2:6k:41:TYR:OH	2:7e:111:VAL:HG11	2.06	0.55
2:7f:41:TYR:CD1	2:7f:55:VAL:HG13	2.42	0.55
2:8n:116:LYS:HG3	2:8n:117:GLU:OE1	2.07	0.55
2:1n:116:LYS:HG3	2:1n:117:GLU:OE1	2.07	0.55
2:1o:149[B]:ILE:HG23	2:3o:158[B]:ILE:HG22	1.84	0.55
2:2j:222:LEU:CB	2:1t:226:ILE:CG2	2.84	0.55
2:2k:242:LEU:O	2:3n:234:LEU:HD23	2.03	0.55
2:2n:214:PRO:HD2	2:3s:225:MET:HG2	1.89	0.55
2:6p:232:TYR:CD2	2:7m:232:TYR:CE2	2.95	0.55
2:8q:279:ILE:HG21	2:9H:273:LEU:CD2	2.31	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:28:ILE:CB	2:8w:73:VAL:CG1	2.84	0.55
2:8t:116:LYS:HG3	2:8t:117:GLU:OE1	2.07	0.55
2:8t:257:THR:O	2:8x:259:VAL:HG21	2.07	0.55
2:8u:99:VAL:CG1	2:7q:28:ILE:HD12	2.33	0.55
2:1q:223:ARG:HA	2:2o:226:ILE:CD1	2.35	0.55
2:2o:214:PRO:CG	2:1x:225:MET:O	2.54	0.55
2:2p:242:LEU:O	2:3r:234:LEU:HD23	2.03	0.55
2:2s:212:GLY:HA2	2:3w:225:MET:SD	2.47	0.55
2:2s:234:LEU:HD11	2:3w:234:LEU:HD11	1.89	0.55
2:6t:97:TYR:CE2	2:6t:111:VAL:HB	2.38	0.55
2:7r:193:LYS:CD	2:9L:200:LEU:C	2.78	0.55
2:8z:239:THR:CG2	2:7x:247:LYS:CG	2.84	0.55
2:8z:242:LEU:CB	2:7x:244:GLY:HA3	2.35	0.55
2:2v:141:PRO:HB2	2:3u:150:GLU:OE1	2.06	0.55
2:5m:145:ARG:HE	2:5m:159:ASN:HD21	1.55	0.55
2:5m:237:ALA:HB1	2:6w:247:LYS:H	1.72	0.55
2:6w:116:LYS:HG3	2:6w:117:GLU:OE1	2.07	0.55
2:6x:232:TYR:CD2	2:7w:232:TYR:CE2	2.95	0.55
2:7x:41:TYR:CD1	2:7x:55:VAL:HG13	2.42	0.55
2:9R:116:LYS:HG3	2:9R:117:GLU:OE1	2.07	0.55
1:6A:448:ALA:HB3	2:6h:41:TYR:CE2	2.42	0.55
1:1G:445:GLY:CA	2:1i:44:VAL:HB	2.35	0.55
1:3I:202:GLU:CB	1:3I:343:SER:HB3	2.34	0.55
1:3I:203:PRO:HA	1:3I:209:ALA:HB3	1.88	0.55
1:4L:252:ASP:OD1	1:4L:252:ASP:C	2.43	0.55
1:5L:446:ALA:CA	2:5h:56:ASN:CB	2.83	0.55
1:2O:355:SER:OG	1:2O:372:TYR:HE1	1.90	0.55
1:3P:245:GLU:OE1	1:3P:245:GLU:N	2.28	0.55
1:4Q:209:ALA:CB	1:4Q:212:GLU:HG2	2.29	0.55
1:5Q:199:LYS:HG3	1:5Q:202:GLU:H	1.70	0.55
1:6R:30:ASP:OD1	1:6R:30:ASP:C	2.48	0.55
1:7N:136:ARG:O	1:7N:136:ARG:HG3	2.07	0.55
1:7O:25:ARG:CZ	2:5j:51:ASP:OD1	2.55	0.55
1:4W:209:ALA:HB1	1:4W:212:GLU:OE2	2.06	0.55
1:5T:209:ALA:HB1	1:5T:212:GLU:HB2	1.88	0.55
1:7P:446:ALA:HA	2:7s:42:VAL:O	2.06	0.55
1:7R:385:TRP:N	2:7p:106:GLN:HE21	2.05	0.55
1:9D:141:HIS:ND1	1:9D:141:HIS:C	2.65	0.55
1:4c:199:LYS:HD3	1:4c:202:GLU:HG2	1.88	0.55
1:6c:202:GLU:OE1	1:6c:205:SER:OG	2.23	0.55
2:1g:154:ALA:HB1	2:3g:158[B]:ILE:HA	1.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2Z:148[B]:ILE:HD13	2:1l:148[B]:ILE:CD1	2.37	0.55
2:2a:239:THR:C	2:3f:246:LYS:CA	2.80	0.55
2:2b:183:PHE:CE1	2:3e:199:LEU:HD12	2.42	0.55
2:2b:223:ARG:N	2:3e:226:ILE:HD12	2.22	0.55
2:2c:226:ILE:HG21	2:3l:222:LEU:CD2	2.28	0.55
2:2d:214:PRO:HG2	2:3k:225:MET:O	2.07	0.55
2:3e:148[B]:ILE:HD11	2:4e:148[B]:ILE:CD1	2.36	0.55
2:3h:214:PRO:CG	2:2w:225:MET:HG3	2.06	0.55
2:5e:154:ALA:HB1	2:6g:158[A]:ILE:HA	1.88	0.55
2:5e:259:VAL:HG22	2:6g:259:VAL:CA	2.37	0.55
2:6e:251:VAL:O	2:8i:270:ILE:HG21	2.03	0.55
2:6h:232:TYR:CD2	2:7c:232:TYR:CE2	2.95	0.55
2:7c:141:PRO:HB3	2:8j:147:ILE:O	2.07	0.55
2:8e:116:LYS:HG3	2:8e:117:GLU:OE1	2.07	0.55
2:8e:200:LEU:CD2	2:9F:196:LEU:CG	2.85	0.55
2:8g:131:THR:HG21	2:8k:141:PRO:HA	1.88	0.55
2:8g:136:LEU:HD22	2:8k:136:LEU:HD13	1.88	0.55
2:8j:116:LYS:HG3	2:8j:117:GLU:OE1	2.07	0.55
2:1k:126:LYS:HG3	2:3k:119:SER:HB3	1.89	0.55
2:2g:183:PHE:CE1	2:3i:199:LEU:HD12	2.42	0.55
2:2g:210:LEU:CA	2:3i:206:VAL:HG11	2.12	0.55
2:2i:214:PRO:HG2	2:3o:225:MET:O	2.07	0.55
2:2i:234:LEU:HD11	2:3o:234:LEU:HD11	1.89	0.55
2:3i:116:LYS:HG3	2:3i:117:GLU:OE1	2.07	0.55
2:4g:145:ARG:HE	2:4g:159:ASN:HD21	1.55	0.55
2:4h:244:GLY:HA3	2:3p:242:LEU:HD11	1.88	0.55
2:6k:145:ARG:HE	2:6k:159:ASN:HD21	1.55	0.55
2:6k:200:LEU:HD22	2:7e:200:LEU:HD11	1.89	0.55
2:6k:200:LEU:O	2:7e:197:GLN:HG3	2.07	0.55
2:7h:141:PRO:HB3	2:8p:147:ILE:O	2.07	0.55
2:7i:226:ILE:HD11	2:8l:226:ILE:CD1	2.29	0.55
2:8m:167:LYS:HD3	2:9H:176:SER:HB3	1.89	0.55
2:8m:223:ARG:HG2	2:9H:228:ALA:CB	2.37	0.55
2:1o:126:LYS:HG3	2:3o:119:SER:HB3	1.89	0.55
2:2m:127:ASP:OD1	2:3t:121[B]:GLU:HA	2.07	0.55
2:2m:206:VAL:HG21	2:3t:210:LEU:CA	2.37	0.55
2:2n:212:GLY:HA2	2:3s:225:MET:SD	2.47	0.55
2:2n:232:TYR:HB3	2:3s:232:TYR:HB2	1.89	0.55
2:3p:145:ARG:HE	2:3p:159:ASN:HD21	1.55	0.55
2:4i:97:TYR:C	2:4i:110:LEU:CB	2.71	0.55
2:4j:116:LYS:HG3	2:4j:117:GLU:OE1	2.07	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:269:LEU:HD22	2:7p:270:ILE:HG12	1.87	0.55
2:8s:270:ILE:HD12	2:8w:253:ALA:CA	2.25	0.55
2:1q:212:GLY:HA3	2:2o:203:ASN:HD22	1.71	0.55
2:1r:116:LYS:HG3	2:1r:117:GLU:OE1	2.07	0.55
2:1s:280:SER:HB2	2:3s:249:ALA:HA	1.88	0.55
2:2o:158[B]:ILE:HD12	2:1x:154:ALA:HB1	1.89	0.55
2:2p:226:ILE:HB	2:3r:222:LEU:CB	2.32	0.55
2:2p:242:LEU:HB2	2:3r:234:LEU:CD2	2.37	0.55
2:2q:244:GLY:HA3	2:3q:243:GLY:H	1.42	0.55
2:2r:162:THR:OG1	2:4l:173:LEU:O	2.23	0.55
2:2s:266:LEU:CB	2:3w:266:LEU:HD22	2.35	0.55
2:5k:145:ARG:HE	2:5k:159:ASN:HD21	1.55	0.55
2:6s:116:LYS:HG3	2:6s:117:GLU:OE1	2.07	0.55
2:6s:200:LEU:HD22	2:7o:200:LEU:HD11	1.89	0.55
2:7o:41:TYR:CD1	2:7o:55:VAL:HG13	2.42	0.55
2:1u:222:LEU:CG	2:2t:226:ILE:HG22	2.32	0.55
2:3u:232:TYR:CD2	2:4m:232:TYR:CG	2.95	0.55
2:6x:97:TYR:CE2	2:6x:111:VAL:HB	2.38	0.55
2:7w:193:LYS:CD	2:9R:200:LEU:C	2.78	0.55
2:7w:249:ALA:C	2:9R:280:SER:H	2.14	0.55
2:9M:225:MET:O	2:9J:214:PRO:HG2	2.06	0.55
1:3C:202:GLU:CB	1:3C:343:SER:HB3	2.34	0.55
1:6B:443:SER:C	2:6g:56:ASN:HD21	2.15	0.55
1:7E:382:LYS:NZ	2:7c:101:GLU:OE2	2.34	0.55
1:2I:25:ARG:NH2	2:3i:51:ASP:OD2	2.40	0.55
1:4L:137:GLN:HG3	1:4L:137:GLN:O	2.07	0.55
1:4L:355:SER:HB3	1:4L:356:PRO:HD3	1.88	0.55
1:5J:355:SER:HB3	1:5J:356:PRO:CD	2.37	0.55
1:6L:446:ALA:O	2:6i:44:VAL:CG1	2.55	0.55
1:8G:24:ILE:O	1:8G:24:ILE:CG2	2.50	0.55
1:1M:393:GLY:HA3	1:1M:405:SER:HB2	1.89	0.55
1:1P:444:GLY:C	2:1p:44:VAL:CG2	2.80	0.55
1:3O:202:GLU:N	1:3O:203:PRO:CD	2.69	0.55
1:5Q:445:GLY:HA2	2:5i:44:VAL:HB	1.89	0.55
1:1U:200:ILE:CD1	1:1U:213:PHE:CD1	2.90	0.55
1:2T:245:GLU:OE1	1:2T:245:GLU:N	2.33	0.55
1:4X:355:SER:HB3	1:4X:356:PRO:HD3	1.88	0.55
1:6S:252:ASP:OD1	1:6S:252:ASP:C	2.46	0.55
1:7T:445:GLY:HA2	2:7r:45:LYS:CB	2.35	0.55
1:8T:252:ASP:OD1	1:8T:252:ASP:C	2.46	0.55
1:1d:354:VAL:CG2	1:1d:432:GLU:C	2.78	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2W:448:ALA:HB3	2:2u:41:TYR:CD1	2.42	0.55
1:5b:355:SER:HB3	1:5b:356:PRO:CD	2.37	0.55
1:5d:448:ALA:HA	2:5n:41:TYR:CD1	2.42	0.55
1:7X:58:GLN:OE1	1:7X:58:GLN:N	2.38	0.55
2:1f:116:LYS:HG3	2:1f:117:GLU:OE1	2.07	0.55
2:1h:41:TYR:OH	2:2t:111:VAL:HG11	2.05	0.55
2:1h:148[B]:ILE:CD1	2:2t:148[B]:ILE:HD13	2.37	0.55
2:2b:127:ASP:OD1	2:4e:122:VAL:HG23	2.06	0.55
2:2d:114:ARG:HD2	2:3k:114:ARG:HB2	1.89	0.55
2:3e:230:VAL:HG12	2:4e:227:GLY:O	2.07	0.55
2:3g:116:LYS:HG3	2:3g:117:GLU:OE1	2.07	0.55
2:3h:145:ARG:HE	2:3h:159:ASN:HD21	1.55	0.55
2:5f:116:LYS:HG3	2:5f:117:GLU:OE1	2.07	0.55
2:6f:236:ALA:HA	2:7f:242:LEU:CD1	2.37	0.55
2:8h:242:LEU:CB	2:7i:244:GLY:HA3	2.35	0.55
2:1i:183:PHE:CD1	2:2e:199:LEU:HD13	2.41	0.55
2:1j:116:LYS:HG3	2:1j:117:GLU:OE1	2.07	0.55
2:1k:281:LEU:C	2:3k:250:ALA:HB1	2.29	0.55
2:2e:223:ARG:NH1	2:1p:227:GLY:CA	2.67	0.55
2:2g:200:LEU:HD11	2:3i:200:LEU:CD2	2.36	0.55
2:2h:256:ALA:HB3	2:4h:263:VAL:CG2	2.36	0.55
2:5g:97:TYR:CE2	2:5g:111:VAL:HB	2.38	0.55
2:5g:173:LEU:O	2:6k:162:THR:OG1	2.18	0.55
2:5g:259:VAL:HG11	2:6k:258:ASP:O	1.98	0.55
2:6k:196:LEU:CD2	2:7e:183:PHE:CZ	2.89	0.55
2:6l:118:ILE:CG2	2:8p:118:ILE:HD13	2.36	0.55
2:1m:212:GLY:HA3	2:2j:203:ASN:HD22	1.71	0.55
2:1m:247:LYS:HD3	2:2j:239:THR:CG2	2.30	0.55
2:1o:259:VAL:HG21	2:3o:258:ASP:CA	2.35	0.55
2:2k:242:LEU:HB2	2:3n:234:LEU:CD2	2.37	0.55
2:3m:214:PRO:HG3	2:4i:225:MET:HG2	1.88	0.55
2:4j:247:LYS:HD3	2:3t:239:THR:CB	2.26	0.55
2:5i:73:VAL:HG11	2:7j:27:ILE:HA	1.88	0.55
2:6m:28:ILE:HD13	2:7q:97:TYR:HE1	1.72	0.55
2:6m:116:LYS:HG3	2:6m:117:GLU:OE1	2.07	0.55
2:6m:120:ILE:HD11	2:8u:120:ILE:HD12	1.89	0.55
2:6n:232:TYR:CE2	2:7p:232:TYR:CZ	2.95	0.55
2:6n:247:LYS:N	2:7p:239:THR:HA	2.22	0.55
2:6p:278:ILE:HD13	2:7m:278:ILE:HG22	1.89	0.55
2:8r:145:ARG:HE	2:8r:159:ASN:HD21	1.55	0.55
2:1s:149[B]:ILE:HG23	2:3s:158[B]:ILE:HG22	1.84	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2o:145:ARG:HE	2:2o:159:ASN:HD21	1.55	0.55
2:2q:183:PHE:CE1	2:3q:199:LEU:HD12	2.42	0.55
2:2q:223:ARG:N	2:3q:226:ILE:HD12	2.22	0.55
2:2r:41:TYR:CD1	2:2r:55:VAL:HG13	2.42	0.55
2:2s:41:TYR:CD1	2:2s:55:VAL:HG13	2.42	0.55
2:2s:196:LEU:CB	2:3w:200:LEU:CD2	2.85	0.55
2:2s:214:PRO:HG2	2:3w:225:MET:O	2.07	0.55
2:2s:273:LEU:HD11	2:3w:273:LEU:HD13	1.88	0.55
2:6q:120:ILE:HD11	2:9K:120:ILE:HD12	1.89	0.55
2:6r:236:ALA:HA	2:7u:242:LEU:CD1	2.37	0.55
2:7r:141:PRO:HB3	2:9L:147:ILE:O	2.07	0.55
2:8w:274:LYS:HE2	2:9I:251:VAL:HG13	1.88	0.55
2:8w:279:ILE:CG2	2:9I:273:LEU:HA	2.37	0.55
2:8y:232:TYR:HD2	2:9J:232:TYR:CE1	2.20	0.55
2:2v:227:GLY:O	2:4m:223:ARG:HD3	2.07	0.55
2:3u:145:ARG:HE	2:3u:159:ASN:HD21	1.55	0.55
2:5n:114:ARG:HB2	2:7u:114:ARG:HD2	1.89	0.55
2:7u:41:TYR:CD1	2:7u:55:VAL:HG13	2.42	0.55
1:1B:423:GLU:OE1	1:1B:423:GLU:N	2.32	0.55
1:4E:444:GLY:CA	2:4e:45:LYS:NZ	2.64	0.55
1:4E:448:ALA:HB2	2:4e:60:LEU:HG	1.88	0.55
1:5B:209:ALA:HB1	1:5B:212:GLU:HB2	1.88	0.55
1:7A:245:GLU:OE1	1:7A:245:GLU:N	2.34	0.55
1:7E:394:THR:HA	2:7c:16:TYR:HE1	1.71	0.55
1:1I:200:ILE:CD1	1:1I:213:PHE:CD1	2.90	0.55
1:1L:354:VAL:CG2	1:1L:432:GLU:C	2.78	0.55
1:6I:380:ASP:OD1	1:6I:380:ASP:C	2.50	0.55
1:6K:204:THR:HG22	1:6K:204:THR:O	2.06	0.55
1:7H:444:GLY:HA3	2:7f:45:LYS:CE	2.37	0.55
1:7I:448:ALA:N	2:7e:41:TYR:CD1	2.71	0.55
1:8H:445:GLY:HA2	2:8l:45:LYS:HB2	1.87	0.55
1:1N:314:ASN:OD1	1:1N:314:ASN:C	2.47	0.55
1:3O:252:ASP:OD1	1:3O:252:ASP:C	2.47	0.55
1:4Q:314:ASN:OD1	1:4Q:314:ASN:C	2.50	0.55
1:7R:201:ASP:O	1:7R:202:GLU:C	2.50	0.55
1:1c:201:ASP:C	1:1c:202:GLU:HG2	2.32	0.55
1:2W:448:ALA:HB3	2:2u:41:TYR:HD1	1.72	0.55
1:3c:440:ASN:OD1	1:3c:440:ASN:C	2.50	0.55
1:7W:201:ASP:O	1:7W:202:GLU:C	2.50	0.55
2:1e:145:ARG:HE	2:1e:159:ASN:HD21	1.55	0.55
2:1g:270:ILE:HG23	2:3g:251:VAL:CB	2.31	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3e:232:TYR:CD2	2:4e:232:TYR:CE2	2.95	0.55
2:3g:114:ARG:HB2	2:2x:114:ARG:HD2	1.88	0.55
2:3g:243:GLY:CA	2:2x:234:LEU:CD2	2.65	0.55
2:3h:197:GLN:HG2	2:2w:200:LEU:O	2.04	0.55
2:5f:114:ARG:HB2	2:7a:114:ARG:HD2	1.89	0.55
2:6f:226:ILE:HD12	2:5h:223:ARG:HA	1.88	0.55
2:6h:118:ILE:CG2	2:8j:118:ILE:HD13	2.36	0.55
2:7Z:41:TYR:CD1	2:7Z:55:VAL:HG13	2.42	0.55
2:8e:274:LYS:HE2	2:9F:251:VAL:HG13	1.87	0.55
2:8g:28:ILE:CB	2:8k:73:VAL:CG1	2.84	0.55
2:1j:223:ARG:HD2	2:3j:227:GLY:C	2.21	0.55
2:1j:240:THR:O	2:2f:246:LYS:HE2	2.07	0.55
2:1k:279:ILE:CG2	2:3k:248:GLY:HA3	2.36	0.55
2:2e:212:GLY:HA3	2:1p:203:ASN:HD22	1.70	0.55
2:2f:145:ARG:HE	2:2f:159:ASN:HD21	1.55	0.55
2:4h:247:LYS:NZ	2:3p:239:THR:N	2.53	0.55
2:6i:158[B]:ILE:HG22	2:8o:149[B]:ILE:HG23	1.89	0.55
2:6k:127:ASP:CG	2:7e:121[A]:GLU:HB2	2.32	0.55
2:6k:239:THR:HA	2:7e:246:LYS:HB3	1.89	0.55
2:6l:232:TYR:CD2	2:7h:232:TYR:CE2	2.95	0.55
2:7h:183:PHE:CE2	2:8p:183:PHE:CE2	2.95	0.55
2:7h:248:GLY:C	2:8p:280:SER:H	2.12	0.55
2:8k:175:PHE:CZ	2:9G:171:GLN:HG2	2.31	0.55
2:8k:237:ALA:CB	2:9G:246:LYS:CA	2.66	0.55
2:1m:145:ARG:HE	2:1m:159:ASN:HD21	1.55	0.55
2:2l:183:PHE:CE1	2:3m:199:LEU:HD12	2.42	0.55
2:2l:209:LEU:HD11	2:3m:222:LEU:CD2	2.37	0.55
2:2n:41:TYR:CD1	2:2n:55:VAL:HG13	2.42	0.55
2:3m:232:TYR:CD2	2:4i:232:TYR:CE2	2.95	0.55
2:3m:245:VAL:N	2:4i:243:GLY:O	2.38	0.55
2:4i:97:TYR:CE2	2:4i:111:VAL:HB	2.38	0.55
2:6m:145:ARG:HE	2:6m:159:ASN:HD21	1.55	0.55
2:6o:228:ALA:HB1	2:7j:228:ALA:HB1	1.89	0.55
2:7m:193:LYS:CD	2:8v:200:LEU:C	2.78	0.55
2:8q:116:LYS:HG3	2:8q:117:GLU:OE1	2.07	0.55
2:8u:253:ALA:HA	2:7q:270:ILE:HD13	1.87	0.55
2:9H:41:TYR:CD1	2:9H:55:VAL:HG13	2.42	0.55
2:1q:210:LEU:HD22	2:2o:201:VAL:HG22	1.86	0.55
2:1s:245:VAL:HG13	2:3s:245:VAL:HG22	1.77	0.55
2:2q:219:LYS:HG2	2:3q:225:MET:C	2.22	0.55
2:2r:127:ASP:OD1	2:3x:121[B]:GLU:HA	2.07	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2r:206:VAL:HG21	2:3x:210:LEU:CA	2.37	0.55
2:2r:256:ALA:HB3	2:4l:263:VAL:CG2	2.36	0.55
2:3q:148[B]:ILE:HD11	2:4k:148[B]:ILE:CD1	2.36	0.55
2:5k:280:SER:HB2	2:6s:250:ALA:N	2.22	0.55
2:5l:116:LYS:HG3	2:5l:117:GLU:OE1	2.07	0.55
2:6r:247:LYS:N	2:7u:239:THR:HA	2.22	0.55
2:6s:225:MET:SD	2:7o:209:LEU:CD1	2.72	0.55
2:7q:41:TYR:CD1	2:7q:55:VAL:HG13	2.42	0.55
2:8z:116:LYS:HG3	2:8z:117:GLU:OE1	2.07	0.55
2:1v:116:LYS:HG3	2:1v:117:GLU:OE1	2.07	0.55
2:1x:116:LYS:HA	2:1x:116:LYS:CE	2.22	0.55
2:2u:200:LEU:CG	2:3v:200:LEU:HD11	2.25	0.55
2:2u:227:GLY:HA3	2:3v:223:ARG:HH11	0.72	0.55
2:2v:228:ALA:HB1	2:4m:228:ALA:HB1	1.89	0.55
2:6w:200:LEU:HD22	2:7t:200:LEU:HD11	1.89	0.55
1:2B:110:TYR:O	1:2B:110:TYR:CG	2.54	0.54
1:3C:444:GLY:N	2:3h:45:LYS:NZ	2.55	0.54
1:7B:355:SER:HB3	1:7B:356:PRO:HD2	1.89	0.54
1:7C:201:ASP:O	1:7C:202:GLU:C	2.50	0.54
1:8C:396:ILE:O	1:8C:396:ILE:CG2	2.46	0.54
1:2G:28:GLN:NE2	2:3o:52:LEU:CD1	2.70	0.54
1:3J:380:ASP:OD1	1:3J:380:ASP:C	2.49	0.54
1:4H:66:VAL:O	1:4H:66:VAL:HG13	2.07	0.54
1:4H:245:GLU:OE1	1:4H:245:GLU:N	2.22	0.54
1:7J:403:SER:O	2:7h:16:TYR:OH	2.26	0.54
1:2K:392:THR:CA	2:2m:46:ASP:OD2	2.54	0.54
1:2M:382:LYS:NZ	2:2k:103:GLN:NE2	2.55	0.54
1:5M:202:GLU:O	1:5M:209:ALA:CB	2.54	0.54
1:6N:448:ALA:HB3	2:6o:41:TYR:CE1	2.42	0.54
1:7L:355:SER:HB3	1:7L:356:PRO:HD2	1.89	0.54
1:7M:245:GLU:OE1	1:7M:245:GLU:N	2.26	0.54
1:4X:137:GLN:HG3	1:4X:137:GLN:O	2.07	0.54
1:1a:200:ILE:CD1	1:1a:213:PHE:CD1	2.90	0.54
1:7X:136:ARG:HG3	1:7X:136:ARG:O	2.07	0.54
2:1f:240:THR:O	2:2a:246:LYS:HE2	2.07	0.54
2:1g:245:VAL:HG21	2:3g:245:VAL:HG21	1.89	0.54
2:2Z:145:ARG:HE	2:2Z:159:ASN:HD21	1.55	0.54
2:2Z:246:LYS:HB3	2:1l:239:THR:CA	2.37	0.54
2:2c:41:TYR:CD1	2:2c:55:VAL:HG13	2.42	0.54
2:2d:231:PRO:CD	2:3k:229:GLY:CA	2.84	0.54
2:3e:116:LYS:HG3	2:3e:117:GLU:OE1	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5f:223:ARG:HD3	2:6v:227:GLY:CA	2.32	0.54
2:6f:247:LYS:N	2:7f:239:THR:HA	2.22	0.54
2:6g:239:THR:HA	2:7Z:246:LYS:HB3	1.89	0.54
2:8g:183:PHE:HZ	2:9G:196:LEU:HD22	1.73	0.54
2:2i:214:PRO:HD2	2:3o:225:MET:HG2	1.89	0.54
2:2i:248:GLY:H	2:3o:279:ILE:HA	1.71	0.54
2:3k:145:ARG:HE	2:3k:159:ASN:HD21	1.55	0.54
2:6j:236:ALA:CA	2:7k:242:LEU:HD11	2.37	0.54
2:6k:280:SER:OG	2:7e:247:LYS:CD	2.54	0.54
2:8m:125:ILE:HD13	2:8q:136:LEU:HD21	1.89	0.54
2:8m:183:PHE:HZ	2:9H:196:LEU:HD22	1.73	0.54
2:1p:116:LYS:HG3	2:1p:117:GLU:OE1	2.07	0.54
2:2k:240:THR:C	2:3n:246:LYS:CG	2.74	0.54
2:2k:242:LEU:C	2:3n:234:LEU:CD2	2.58	0.54
2:5i:154:ALA:HB1	2:6o:158[A]:ILE:HA	1.88	0.54
2:5i:280:SER:HB2	2:6o:250:ALA:N	2.22	0.54
2:6n:236:ALA:CA	2:7p:242:LEU:HD11	2.37	0.54
2:8u:119:SER:HB3	2:7q:126:LYS:HG3	1.90	0.54
2:1s:245:VAL:HG21	2:3s:245:VAL:HG21	1.89	0.54
2:2p:127:ASP:OD1	2:3r:122:VAL:N	2.39	0.54
2:3q:232:TYR:CD2	2:4k:232:TYR:CG	2.95	0.54
2:5k:118:ILE:HD11	2:7o:118:ILE:HD11	1.89	0.54
2:6q:158[B]:ILE:HG22	2:9K:149[B]:ILE:HG23	1.89	0.54
2:6s:228:ALA:HB1	2:7o:228:ALA:HB1	1.89	0.54
2:6t:120:ILE:HD11	2:7r:120:ILE:HD13	0.58	0.54
2:6t:232:TYR:CD2	2:7r:232:TYR:CE2	2.95	0.54
2:8w:175:PHE:HD1	2:9I:171:GLN:CD	2.02	0.54
2:8y:183:PHE:HZ	2:9J:196:LEU:HD22	1.73	0.54
2:2v:41:TYR:CD1	2:2v:55:VAL:HG13	2.42	0.54
2:3u:214:PRO:HG3	2:4m:225:MET:HG2	1.88	0.54
2:4n:116:LYS:HG3	2:4n:117:GLU:OE1	2.07	0.54
1:1A:393:GLY:HA3	1:1A:405:SER:HB2	1.90	0.54
1:3C:203:PRO:HA	1:3C:209:ALA:HB3	1.88	0.54
1:4F:439:PRO:O	1:4F:440:ASN:CB	2.55	0.54
1:6B:443:SER:C	2:6g:56:ASN:ND2	2.65	0.54
1:2I:397:THR:HA	2:2e:107:LEU:HB2	1.88	0.54
1:4L:446:ALA:HB2	2:4h:56:ASN:H	1.71	0.54
1:5L:444:GLY:CA	2:5h:44:VAL:HG22	2.26	0.54
1:6J:392:THR:OG1	1:6J:393:GLY:N	2.40	0.54
1:6K:314:ASN:OD1	1:6K:314:ASN:C	2.47	0.54
1:7G:444:GLY:C	2:7g:45:LYS:HZ2	2.14	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8K:447:GLN:CB	2:8n:56:ASN:HB2	2.32	0.54
1:8K:448:ALA:HB2	2:8n:41:TYR:CE1	2.42	0.54
1:3O:444:GLY:C	2:3p:45:LYS:HD2	2.30	0.54
1:4R:245:GLU:OE1	1:4R:245:GLU:N	2.27	0.54
1:5Q:445:GLY:C	2:5i:44:VAL:HB	2.32	0.54
1:5R:422:THR:CG2	1:5R:427:LYS:HG3	2.33	0.54
1:7L:446:ALA:HB2	2:7l:19:LEU:CD1	2.37	0.54
1:8P:202:GLU:CG	1:8P:343:SER:HB2	2.36	0.54
1:7Q:296:ASP:OD1	1:7Q:296:ASP:C	2.49	0.54
1:3a:202:GLU:CD	1:3a:343:SER:HG	2.11	0.54
1:4Z:66:VAL:O	1:4Z:66:VAL:HG13	2.07	0.54
1:4d:443:SER:CA	2:4n:56:ASN:ND2	2.70	0.54
1:5Z:203:PRO:HB3	1:5Z:209:ALA:CB	2.37	0.54
1:6Y:448:ALA:N	2:6x:56:ASN:O	2.40	0.54
1:6b:314:ASN:OD1	1:6b:314:ASN:C	2.50	0.54
1:7U:355:SER:HB3	1:7U:356:PRO:HD3	1.89	0.54
1:7V:355:SER:HB3	1:7V:356:PRO:HD2	1.89	0.54
1:7W:392:THR:C	2:7u:46:ASP:OD2	2.49	0.54
2:1e:183:PHE:CD1	2:2Z:199:LEU:HD13	2.41	0.54
2:1h:114:ARG:HB2	2:2t:114:ARG:CD	2.35	0.54
2:2Z:41:TYR:CD1	2:2Z:55:VAL:HG13	2.42	0.54
2:2a:203:ASN:CG	2:3f:212:GLY:HA2	2.33	0.54
2:2c:226:ILE:O	2:3l:223:ARG:HB2	2.07	0.54
2:2c:242:LEU:HD12	2:3l:235:PRO:O	0.72	0.54
2:3g:229:GLY:CA	2:2x:231:PRO:CD	2.84	0.54
2:3h:210:LEU:CA	2:2w:206:VAL:HG21	2.37	0.54
2:6g:200:LEU:HD22	2:7Z:200:LEU:HD11	1.89	0.54
2:6h:148[B]:ILE:CD1	2:8j:148[B]:ILE:HD11	2.37	0.54
2:8e:136:LEU:HD21	2:9O:125:ILE:HD13	1.89	0.54
2:8e:227:GLY:HA3	2:9F:219:LYS:NZ	2.18	0.54
2:8g:209:LEU:CG	2:9G:206:VAL:HG22	2.27	0.54
2:2e:145:ARG:HE	2:2e:159:ASN:HD21	1.56	0.54
2:2e:234:LEU:CD2	2:1p:243:GLY:CA	2.78	0.54
2:4h:247:LYS:HD3	2:3p:239:THR:CB	2.26	0.54
2:5g:259:VAL:HG22	2:6k:259:VAL:CA	2.37	0.54
2:6i:28:ILE:HD13	2:7l:97:TYR:HE1	1.72	0.54
2:7i:28:ILE:HD12	2:8l:99:VAL:HG12	1.87	0.54
2:8m:183:PHE:CE1	2:9H:199:LEU:HD13	2.42	0.54
2:8n:257:THR:O	2:8r:259:VAL:HG21	2.07	0.54
2:1m:242:LEU:HD23	2:1t:245:VAL:O	2.05	0.54
2:1n:240:THR:O	2:2k:246:LYS:HE2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2j:145:ARG:HE	2:2j:159:ASN:HD21	1.55	0.54
2:2n:114:ARG:HD2	2:3s:114:ARG:HB2	1.89	0.54
2:2n:266:LEU:CB	2:3s:266:LEU:HD22	2.35	0.54
2:3m:122:VAL:HG23	2:4i:127:ASP:OD1	2.07	0.54
2:3o:76:ASN:ND2	2:3o:116:LYS:CD	2.59	0.54
2:3o:145:ARG:HE	2:3o:159:ASN:HD21	1.55	0.54
2:5i:199:LEU:C	2:6o:193:LYS:HE3	2.32	0.54
2:6n:236:ALA:HA	2:7p:242:LEU:CD1	2.37	0.54
2:6o:116:LYS:HG3	2:6o:117:GLU:OE1	2.07	0.54
2:6o:200:LEU:HD22	2:7j:200:LEU:HD11	1.89	0.54
2:8s:183:PHE:HZ	2:9l:196:LEU:HD22	1.73	0.54
2:9H:145:ARG:HE	2:9H:159:ASN:HD21	1.56	0.54
2:2o:212:GLY:HA3	2:1x:203:ASN:HD22	1.70	0.54
2:2r:226:ILE:HG21	2:3x:222:LEU:CD2	2.28	0.54
2:3q:219:LYS:HE3	2:4k:225:MET:O	2.08	0.54
2:3q:245:VAL:O	2:4k:237:ALA:HB1	2.08	0.54
2:4l:62:ALA:HB2	2:3x:57:MET:HG3	1.87	0.54
2:6r:232:TYR:CE2	2:7u:232:TYR:CZ	2.95	0.54
2:6t:148[B]:ILE:CD1	2:9L:148[B]:ILE:HD11	2.37	0.54
2:7r:249:ALA:C	2:9L:280:SER:H	2.14	0.54
2:8w:116:LYS:HG3	2:8w:117:GLU:OE1	2.07	0.54
2:8w:200:LEU:CD2	2:9l:196:LEU:CG	2.85	0.54
2:8x:97:TYR:CE2	2:8x:111:VAL:HB	2.38	0.54
2:8x:145:ARG:HE	2:8x:159:ASN:HD21	1.55	0.54
2:2t:145:ARG:HE	2:2t:159:ASN:HD21	1.55	0.54
2:2v:120:ILE:CD1	2:4m:120:ILE:CD1	2.49	0.54
2:2x:41:TYR:CD1	2:2x:55:VAL:HG13	2.42	0.54
2:5m:259:VAL:CG1	2:6w:257:THR:C	2.79	0.54
2:6w:127:ASP:CG	2:7t:121[A]:GLU:HB2	2.32	0.54
2:7x:27:ILE:CA	2:9N:73:VAL:HG11	2.37	0.54
2:7x:28:ILE:HD12	2:9N:99:VAL:HG12	1.87	0.54
1:3B:422:THR:HG22	1:3B:422:THR:O	2.07	0.54
1:5B:203:PRO:HB3	1:5B:209:ALA:CB	2.37	0.54
1:5D:355:SER:HB3	1:5D:356:PRO:CD	2.37	0.54
1:8D:202:GLU:HG2	1:8D:343:SER:HB2	1.90	0.54
1:8D:447:GLN:O	2:8i:42:VAL:HG12	2.06	0.54
1:1G:393:GLY:HA3	1:1G:405:SER:HB2	1.90	0.54
1:1H:358:ILE:O	1:1H:358:ILE:HG23	2.08	0.54
1:2J:407:ASN:ND2	2:2i:46:ASP:HB2	2.22	0.54
1:3J:245:GLU:OE1	1:3J:245:GLU:N	2.28	0.54
1:4K:124:MET:SD	1:4K:124:MET:N	2.74	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5H:203:PRO:HB3	1:5H:209:ALA:CB	2.37	0.54
1:1O:200:ILE:CD1	1:1O:213:PHE:CD1	2.90	0.54
1:1O:208:GLY:O	1:1O:212:GLU:HG3	2.08	0.54
1:3Q:443:SER:HB3	2:3n:45:LYS:HE3	1.90	0.54
1:8R:228:GLN:OE1	1:8R:228:GLN:N	2.26	0.54
1:1W:207:THR:HG23	1:1X:355:SER:OG	2.08	0.54
1:2R:28:GLN:NE2	2:4l:27:ILE:HD11	2.22	0.54
1:3S:408:GLU:OE1	1:3S:408:GLU:N	2.33	0.54
1:4W:209:ALA:CB	1:4W:212:GLU:HG2	2.29	0.54
1:7Q:25:ARG:NH2	2:9L:51:ASP:OD1	2.40	0.54
1:7Q:355:SER:HB3	1:7Q:356:PRO:HD2	1.89	0.54
1:7T:91:ILE:O	1:7T:91:ILE:HG22	2.06	0.54
1:8U:377:ASN:C	1:8U:377:ASN:OD1	2.51	0.54
1:9D:396:ILE:C	2:9I:107:LEU:HD12	2.32	0.54
1:1Y:446:ALA:HA	2:1u:43:ALA:HA	1.90	0.54
1:1a:445:GLY:CA	2:1w:54:GLN:O	2.55	0.54
1:4c:209:ALA:HB1	1:4c:212:GLU:OE2	2.06	0.54
1:4d:439:PRO:O	1:4d:440:ASN:CB	2.56	0.54
1:8b:447:GLN:CD	2:9Q:44:VAL:CG2	2.80	0.54
2:1e:122:VAL:H	2:2Z:127:ASP:CG	2.16	0.54
2:1g:99:VAL:HG12	2:2x:28:ILE:HD11	1.85	0.54
2:1g:126:LYS:HG3	2:3g:119:SER:HB3	1.89	0.54
2:1h:132:GLY:HA3	2:2t:136:LEU:O	2.07	0.54
2:2Z:114:ARG:CD	2:1l:114:ARG:HB2	2.35	0.54
2:2a:127:ASP:OD1	2:3f:122:VAL:N	2.39	0.54
2:2a:226:ILE:O	2:3f:223:ARG:CD	2.54	0.54
2:2a:242:LEU:HB2	2:3f:234:LEU:CD2	2.37	0.54
2:3e:232:TYR:CD2	2:4e:232:TYR:CG	2.95	0.54
2:3g:200:LEU:CD2	2:2x:196:LEU:CB	2.85	0.54
2:3g:225:MET:SD	2:2x:212:GLY:HA2	2.47	0.54
2:3h:235:PRO:O	2:2w:242:LEU:HD12	0.73	0.54
2:7c:254:SER:HB3	2:8j:267:ASN:OD1	2.02	0.54
2:8e:173:LEU:HD13	2:9F:157:LEU:O	2.06	0.54
2:8e:253:ALA:C	2:9O:267:ASN:OD1	2.51	0.54
2:8h:242:LEU:CD2	2:7i:245:VAL:CA	2.85	0.54
2:1i:212:GLY:HA3	2:2e:203:ASN:HD22	1.71	0.54
2:1i:242:LEU:HD23	2:1p:245:VAL:O	2.05	0.54
2:1k:130:ASP:N	2:3k:139:ASN:HA	2.22	0.54
2:1k:266:LEU:HD11	2:3k:265:ASP:C	2.32	0.54
2:2i:232:TYR:HD2	2:3o:232:TYR:CD2	2.04	0.54
2:5g:73:VAL:HG11	2:7e:27:ILE:HA	1.88	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8k:126:LYS:HB2	2:9G:119:SER:HB3	1.89	0.54
2:8p:116:LYS:HG3	2:8p:117:GLU:OE1	2.07	0.54
2:2j:158[B]:ILE:HD12	2:1t:154:ALA:HB1	1.89	0.54
2:2m:242:LEU:HD12	2:3t:235:PRO:O	0.72	0.54
2:2n:234:LEU:HD11	2:3s:234:LEU:HD11	1.89	0.54
2:4j:244:GLY:HA3	2:3t:242:LEU:HD11	1.88	0.54
2:5i:263:VAL:HG22	2:6o:256:ALA:CB	2.18	0.54
2:8s:223:ARG:HG2	2:9I:228:ALA:CB	2.37	0.54
2:1s:126:LYS:HG3	2:3s:119:SER:HB3	1.89	0.54
2:1s:130:ASP:N	2:3s:139:ASN:HA	2.22	0.54
2:1s:145:ARG:HE	2:1s:159:ASN:HD21	1.55	0.54
2:1s:279:ILE:CG2	2:3s:248:GLY:HA3	2.36	0.54
2:6q:28:ILE:HD13	2:7v:97:TYR:HE1	1.72	0.54
2:6q:145:ARG:HE	2:6q:159:ASN:HD21	1.55	0.54
2:6r:246:LYS:HB3	2:7u:239:THR:O	2.08	0.54
2:7r:258:ASP:O	2:9L:259:VAL:HG13	2.03	0.54
2:7r:262:ALA:CA	2:9L:263:VAL:HG22	2.38	0.54
2:7s:41:TYR:CD1	2:7s:55:VAL:HG13	2.42	0.54
2:7s:226:ILE:HD13	2:8x:226:ILE:HD13	1.88	0.54
2:8w:120:ILE:HD13	2:9I:120:ILE:HG12	1.90	0.54
2:8w:280:SER:O	2:9I:250:ALA:CA	2.55	0.54
2:8y:73:VAL:HG11	2:9J:27:ILE:HA	1.87	0.54
2:8y:97:TYR:CZ	2:8y:111:VAL:CB	2.82	0.54
2:8y:222:LEU:C	2:9J:226:ILE:CD1	2.76	0.54
2:8z:257:THR:O	2:9N:259:VAL:HG21	2.07	0.54
2:9I:145:ARG:HE	2:9I:159:ASN:HD21	1.56	0.54
2:1w:126:LYS:HG3	2:3w:119:SER:HB3	1.89	0.54
2:1w:154:ALA:HB1	2:3w:158[B]:ILE:HA	1.89	0.54
2:2u:120:ILE:HD13	2:3v:120:ILE:HD13	1.78	0.54
2:2u:175:PHE:HZ	2:3v:175:PHE:HZ	1.56	0.54
2:2u:239:THR:C	2:3v:246:LYS:CA	2.80	0.54
2:2v:197:GLN:HE21	2:3u:201:VAL:CA	2.09	0.54
2:2w:41:TYR:CD1	2:2w:55:VAL:HG13	2.42	0.54
2:5m:118:ILE:HD11	2:7t:118:ILE:HD11	1.89	0.54
2:6x:118:ILE:CG2	2:9R:118:ILE:HD13	2.36	0.54
2:9M:127:ASP:OD1	2:9J:121[A]:GLU:HB2	2.08	0.54
2:9M:196:LEU:CD2	2:9J:183:PHE:CZ	2.77	0.54
1:1E:207:THR:HG23	1:1F:355:SER:OG	2.08	0.54
1:1I:443:SER:CB	2:1k:45:LYS:HZ1	2.19	0.54
1:2H:392:THR:HA	2:2f:46:ASP:OD2	2.07	0.54
1:5G:390:GLY:O	1:5G:391:SER:CB	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6Q:446:ALA:H	2:6n:44:VAL:H	1.56	0.54
1:1S:393:GLY:HA3	1:1S:405:SER:HB2	1.89	0.54
1:5U:428:LEU:HD12	1:5U:428:LEU:C	2.33	0.54
1:6U:380:ASP:C	1:6U:380:ASP:OD1	2.50	0.54
1:3Y:228:GLN:OE1	1:3Y:228:GLN:N	2.30	0.54
1:3a:296:ASP:O	1:3a:297:LYS:HB3	2.08	0.54
1:5Y:390:GLY:O	1:5Y:391:SER:CB	2.55	0.54
1:6c:444:GLY:HA2	2:6v:45:LYS:HZ2	1.72	0.54
2:1e:223:ARG:CZ	2:2Z:227:GLY:HA3	2.15	0.54
2:1e:226:ILE:HD11	2:2Z:226:ILE:CD1	2.19	0.54
2:2b:41:TYR:CD1	2:2b:55:VAL:HG13	2.42	0.54
2:2b:236:ALA:CA	2:3e:242:LEU:HD13	2.22	0.54
2:2d:214:PRO:CG	2:3k:225:MET:HG2	2.38	0.54
2:3g:232:TYR:CE1	2:2x:232:TYR:CD2	2.85	0.54
2:3g:232:TYR:CB	2:2x:232:TYR:HB3	2.38	0.54
2:5f:239:THR:HA	2:7a:247:LYS:O	2.06	0.54
2:6g:57:MET:HB3	2:7Z:61:ALA:HB1	1.89	0.54
2:7a:242:LEU:HD11	2:6v:236:ALA:N	2.22	0.54
2:7b:41:TYR:CD1	2:7b:55:VAL:HG13	2.42	0.54
2:7b:97:TYR:HE1	2:6u:28:ILE:HD13	1.72	0.54
2:7c:41:TYR:CD1	2:7c:55:VAL:HG13	2.42	0.54
2:8e:127:ASP:OD1	2:9F:121[A]:GLU:HB2	2.08	0.54
2:8e:150:GLU:HG3	2:9F:141:PRO:HB2	1.90	0.54
2:8i:119:SER:HB3	2:7g:126:LYS:HG3	1.90	0.54
2:2e:214:PRO:CG	2:1p:225:MET:O	2.55	0.54
2:2f:41:TYR:CD1	2:2f:55:VAL:HG13	2.42	0.54
2:2h:226:ILE:O	2:3p:223:ARG:HB2	2.08	0.54
2:2i:266:LEU:HA	2:3o:266:LEU:CD2	2.38	0.54
2:3i:232:TYR:CD2	2:4g:232:TYR:CE2	2.95	0.54
2:5g:253:ALA:HA	2:7e:270:ILE:HD13	1.90	0.54
2:5h:114:ARG:HB2	2:7f:114:ARG:HD2	1.89	0.54
2:6i:116:LYS:HG3	2:6i:117:GLU:OE1	2.07	0.54
2:6j:227:GLY:CA	2:5j:223:ARG:HD3	2.31	0.54
2:6k:225:MET:CE	2:7e:212:GLY:HA2	2.38	0.54
2:6l:148[B]:ILE:CD1	2:8p:148[B]:ILE:HD11	2.37	0.54
2:7h:234:LEU:CD1	2:8p:234:LEU:HD13	2.33	0.54
2:8k:173:LEU:HD13	2:9G:157:LEU:O	2.06	0.54
2:8m:130:ASP:N	2:8q:139:ASN:OD1	2.38	0.54
2:1m:226:ILE:HD11	2:2j:226:ILE:CD1	2.19	0.54
2:1n:247:LYS:H	2:3n:239:THR:C	2.16	0.54
2:1o:130:ASP:N	2:3o:139:ASN:HA	2.22	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2j:41:TYR:CD1	2:2j:55:VAL:HG13	2.42	0.54
2:2j:214:PRO:CG	2:1t:225:MET:O	2.54	0.54
2:2k:239:THR:C	2:3n:246:LYS:CA	2.80	0.54
2:3m:230:VAL:HG12	2:4i:227:GLY:O	2.07	0.54
2:3m:269:LEU:CD1	2:4i:279:ILE:HD13	2.38	0.54
2:5j:116:LYS:HG3	2:5j:117:GLU:OE1	2.07	0.54
2:6n:236:ALA:N	2:7p:242:LEU:HD11	2.22	0.54
2:6o:145:ARG:HE	2:6o:159:ASN:HD21	1.55	0.54
2:6p:118:ILE:CG2	2:8v:118:ILE:HD13	2.37	0.54
2:7m:183:PHE:CE2	2:8v:183:PHE:CE2	2.95	0.54
2:7m:231:PRO:CD	2:8v:229:GLY:N	2.71	0.54
2:7m:262:ALA:CA	2:8v:263:VAL:HG22	2.38	0.54
2:8q:126:LYS:HB2	2:9H:119:SER:HB3	1.89	0.54
2:8q:150:GLU:HG3	2:9H:141:PRO:HB2	1.90	0.54
2:8q:200:LEU:CD2	2:9H:196:LEU:CG	2.85	0.54
2:1r:240:THR:O	2:2p:246:LYS:HE2	2.07	0.54
2:2o:136:LEU:O	2:1x:132:GLY:HA3	2.07	0.54
2:2q:227:GLY:O	2:4k:223:ARG:HD3	2.07	0.54
2:2r:128:ALA:HB1	2:3x:136:LEU:HD11	1.90	0.54
2:2s:126:LYS:CG	2:1w:119:SER:HB3	2.38	0.54
2:6s:239:THR:HA	2:7o:246:LYS:HB3	1.89	0.54
2:8w:274:LYS:NZ	2:9I:251:VAL:CB	2.71	0.54
2:1w:266:LEU:HD11	2:3w:265:ASP:C	2.32	0.54
2:1x:116:LYS:HG3	2:1x:117:GLU:OE1	2.07	0.54
2:2t:41:TYR:CD1	2:2t:55:VAL:HG13	2.42	0.54
2:2u:41:TYR:CD1	2:2u:55:VAL:HG13	2.42	0.54
2:2v:145:ARG:HE	2:2v:159:ASN:HD21	1.55	0.54
2:3u:245:VAL:O	2:4m:237:ALA:HB1	2.08	0.54
2:3w:116:LYS:HG3	2:3w:117:GLU:OE1	2.07	0.54
2:5m:263:VAL:CG1	2:6w:254:SER:OG	2.40	0.54
2:5m:280:SER:HB2	2:6w:250:ALA:N	2.22	0.54
2:5n:116:LYS:HG3	2:5n:117:GLU:OE1	2.07	0.54
2:6u:247:LYS:H	2:9Q:237:ALA:HB1	1.72	0.54
2:6x:131:THR:OG1	2:9R:140:THR:HA	2.08	0.54
2:7w:41:TYR:CD1	2:7w:55:VAL:HG13	2.42	0.54
2:7w:183:PHE:CE2	2:9R:183:PHE:CE2	2.95	0.54
2:7w:251:VAL:CG2	2:9R:270:ILE:HD13	2.38	0.54
2:9J:41:TYR:CD1	2:9J:55:VAL:HG13	2.42	0.54
1:2E:448:ALA:HB3	2:2d:57:MET:HA	1.89	0.54
1:4F:137:GLN:O	1:4F:137:GLN:HG3	2.07	0.54
1:4F:448:ALA:HB3	2:4f:41:TYR:HE1	1.70	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5B:252:ASP:O	1:5B:253:ALA:C	2.51	0.54
1:6E:446:ALA:N	2:6f:44:VAL:HG23	2.23	0.54
1:7D:136:ARG:O	1:7D:136:ARG:HG3	2.07	0.54
1:8C:205:SER:OG	1:8C:206:SER:N	2.41	0.54
1:8C:446:ALA:N	2:8j:44:VAL:HG22	2.22	0.54
1:8D:101:TYR:OH	1:8D:239:ARG:O	2.24	0.54
1:9A:141:HIS:ND1	1:9A:141:HIS:C	2.65	0.54
1:2J:355:SER:OG	1:2J:372:TYR:HE1	1.90	0.54
1:3L:245:GLU:OE1	1:3L:245:GLU:N	2.27	0.54
1:4R:137:GLN:O	1:4R:137:GLN:HG3	2.07	0.54
1:5M:390:GLY:O	1:5M:391:SER:CB	2.56	0.54
1:5Q:203:PRO:O	1:5Q:204:THR:CB	2.56	0.54
1:7K:28:GLN:OE1	2:6o:27:ILE:HD11	2.07	0.54
1:9C:407:ASN:ND2	2:9H:45:LYS:HG2	2.23	0.54
1:5X:422:THR:HB	1:5X:427:LYS:HG3	0.72	0.54
1:4c:199:LYS:CG	1:4c:202:GLU:HG3	2.34	0.54
1:5d:443:SER:O	2:5n:44:VAL:HG21	2.08	0.54
1:6b:392:THR:OG1	1:6b:393:GLY:N	2.40	0.54
1:6d:448:ALA:HB3	2:6u:60:LEU:CD1	2.37	0.54
1:7Y:91:ILE:HG22	1:7Y:91:ILE:O	2.06	0.54
1:8a:377:ASN:OD1	1:8a:377:ASN:C	2.51	0.54
1:8b:202:GLU:HG2	1:8b:343:SER:HB2	1.90	0.54
1:8d:245:GLU:OE2	1:8d:245:GLU:N	2.28	0.54
1:8d:445:GLY:HA2	2:9O:45:LYS:H	1.73	0.54
2:1e:212:GLY:HA3	2:2Z:203:ASN:HD22	1.71	0.54
2:1f:223:ARG:HH11	2:3f:227:GLY:HA3	1.73	0.54
2:1g:148[B]:ILE:HD13	2:2x:148[B]:ILE:HD13	1.90	0.54
2:1g:266:LEU:HD11	2:3g:265:ASP:C	2.32	0.54
2:2Z:246:LYS:C	2:1l:239:THR:HA	2.30	0.54
2:2a:180:VAL:HG22	2:3f:183:PHE:CE2	2.43	0.54
2:2a:206:VAL:CG2	2:3f:209:LEU:O	2.44	0.54
2:2d:41:TYR:CD1	2:2d:55:VAL:HG13	2.42	0.54
2:2d:234:LEU:HD11	2:3k:234:LEU:HD11	1.89	0.54
2:3e:122:VAL:HG23	2:4e:127:ASP:OD1	2.07	0.54
2:3f:145:ARG:HE	2:3f:159:ASN:HD21	1.55	0.54
2:3h:129:GLY:HA3	2:4n:139:ASN:HA	1.89	0.54
2:5f:223:ARG:HA	2:6v:226:ILE:HD12	1.88	0.54
2:6e:247:LYS:H	2:8i:237:ALA:HB1	1.73	0.54
2:6f:200:LEU:CD1	2:7f:200:LEU:HD22	2.38	0.54
2:6f:232:TYR:CE2	2:7f:232:TYR:CZ	2.95	0.54
2:7a:200:LEU:HD22	2:6v:200:LEU:CD1	2.38	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7a:232:TYR:CZ	2:6v:232:TYR:CE2	2.95	0.54
2:7a:239:THR:O	2:6v:246:LYS:HB3	2.08	0.54
2:7a:242:LEU:CD1	2:6v:236:ALA:HA	2.37	0.54
2:7d:145:ARG:HE	2:7d:159:ASN:HD21	1.56	0.54
2:8g:267:ASN:OD1	2:8k:253:ALA:C	2.51	0.54
2:1j:247:LYS:H	2:3j:239:THR:C	2.16	0.54
2:1k:154:ALA:HB1	2:3k:158[B]:ILE:HA	1.89	0.54
2:1k:280:SER:HB2	2:3k:249:ALA:HA	1.88	0.54
2:2e:136:LEU:O	2:1p:132:GLY:HA3	2.07	0.54
2:2f:242:LEU:HB2	2:3j:234:LEU:CD2	2.37	0.54
2:2g:145:ARG:HE	2:2g:159:ASN:HD21	1.55	0.54
2:3i:232:TYR:CD2	2:4g:232:TYR:CG	2.95	0.54
2:6i:247:LYS:H	2:8o:237:ALA:HB1	1.72	0.54
2:6j:200:LEU:CD1	2:7k:200:LEU:HD22	2.38	0.54
2:6j:247:LYS:N	2:7k:239:THR:HA	2.22	0.54
2:6k:224:THR:O	2:7e:219:LYS:HE3	2.08	0.54
2:7i:27:ILE:CA	2:8l:73:VAL:HG11	2.37	0.54
2:7i:145:ARG:HE	2:7i:159:ASN:HD21	1.56	0.54
2:8k:200:LEU:CD2	2:9G:196:LEU:CG	2.85	0.54
2:8k:237:ALA:HB1	2:9G:245:VAL:O	1.05	0.54
2:8k:259:VAL:CG1	2:9G:259:VAL:N	2.43	0.54
2:2j:136:LEU:O	2:1t:132:GLY:HA3	2.07	0.54
2:2l:41:TYR:CD1	2:2l:55:VAL:HG13	2.42	0.54
2:2l:223:ARG:NH1	2:3m:226:ILE:O	2.41	0.54
2:2m:226:ILE:O	2:3t:223:ARG:HB2	2.07	0.54
2:2n:196:LEU:HD13	2:3s:200:LEU:CD2	2.38	0.54
2:5j:114:ARG:HB2	2:7k:114:ARG:HD2	1.88	0.54
2:6m:247:LYS:H	2:8u:237:ALA:HB1	1.72	0.54
2:6o:225:MET:CE	2:7j:212:GLY:HA2	2.38	0.54
2:7m:254:SER:N	2:8v:267:ASN:ND2	2.55	0.54
2:8s:167:LYS:HD3	2:9I:176:SER:HB3	1.89	0.54
2:8v:116:LYS:HG3	2:8v:117:GLU:OE1	2.07	0.54
2:1q:111:VAL:CG2	2:2o:57:MET:CE	2.86	0.54
2:2p:227:GLY:HA3	2:3r:223:ARG:HH11	0.72	0.54
2:2q:145:ARG:HE	2:2q:159:ASN:HD21	1.55	0.54
2:2s:196:LEU:HD13	2:3w:200:LEU:CD2	2.38	0.54
2:3q:232:TYR:CD2	2:4k:232:TYR:CE2	2.96	0.54
2:5k:154:ALA:HB1	2:6s:158[A]:ILE:HA	1.88	0.54
2:6s:145:ARG:HE	2:6s:159:ASN:HD21	1.56	0.54
2:7p:41:TYR:CD1	2:7p:55:VAL:HG13	2.42	0.54
2:7r:231:PRO:CD	2:9L:229:GLY:N	2.71	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:248:GLY:C	2:9L:280:SER:H	2.12	0.54
2:7r:251:VAL:CG2	2:9L:270:ILE:HD13	2.38	0.54
2:7r:256:ALA:CB	2:9L:263:VAL:CG2	2.66	0.54
2:8w:127:ASP:OD1	2:9I:121[A]:GLU:HB2	2.08	0.54
2:8z:227:GLY:C	2:7x:223:ARG:CD	2.72	0.54
2:9L:116:LYS:HG3	2:9L:117:GLU:OE1	2.07	0.54
2:2u:203:ASN:CG	2:3v:212:GLY:HA2	2.33	0.54
2:3u:232:TYR:CD2	2:4m:232:TYR:CE2	2.95	0.54
2:5m:259:VAL:HG22	2:6w:259:VAL:CA	2.37	0.54
2:6w:57:MET:HB3	2:7t:61:ALA:HB1	1.89	0.54
2:6w:127:ASP:OD2	2:7t:121[A]:GLU:HB2	2.08	0.54
2:6w:145:ARG:HE	2:6w:159:ASN:HD21	1.55	0.54
2:7w:254:SER:N	2:9R:267:ASN:ND2	2.55	0.54
2:7x:145:ARG:HE	2:7x:159:ASN:HD21	1.56	0.54
2:9M:280:SER:C	2:9J:249:ALA:O	2.44	0.54
1:3E:440:ASN:OD1	1:3E:440:ASN:C	2.50	0.54
1:5A:390:GLY:O	1:5A:391:SER:CB	2.56	0.54
1:7D:107:GLU:OE1	1:7D:107:GLU:CA	2.56	0.54
1:7E:412:LEU:C	1:7E:412:LEU:HD12	2.33	0.54
1:1K:207:THR:HG23	1:1L:355:SER:OG	2.08	0.54
1:4K:447:GLN:OE1	2:4g:60:LEU:HD11	2.07	0.54
1:6I:91:ILE:O	1:6I:91:ILE:HG22	2.08	0.54
1:6K:202:GLU:OE1	1:6K:205:SER:HB3	2.04	0.54
1:7I:136:ARG:HG3	1:7I:136:ARG:O	2.07	0.54
1:1M:444:GLY:O	2:1m:45:LYS:HD2	2.06	0.54
1:2L:128:LYS:NZ	1:2L:355:SER:O	2.38	0.54
1:5N:203:PRO:HB3	1:5N:209:ALA:CB	2.37	0.54
1:5P:245:GLU:OE1	1:5P:245:GLU:N	2.25	0.54
1:6O:91:ILE:HG22	1:6O:91:ILE:O	2.07	0.54
1:6P:392:THR:OG1	1:6P:393:GLY:N	2.40	0.54
1:6Q:110:TYR:CD2	1:6Q:110:TYR:O	2.59	0.54
1:1W:201:ASP:C	1:1W:202:GLU:HG2	2.32	0.54
1:2Q:356:PRO:CB	1:2Q:369:PHE:CE2	2.91	0.54
1:2Q:407:ASN:ND2	2:2q:46:ASP:O	2.40	0.54
1:5S:390:GLY:O	1:5S:391:SER:CB	2.56	0.54
1:5T:252:ASP:O	1:5T:253:ALA:C	2.51	0.54
1:7U:395:ALA:HB3	2:7x:107:LEU:CG	2.38	0.54
2:1h:154:ALA:HB1	2:2t:158[B]:ILE:HD12	1.89	0.54
2:2Z:247:LYS:N	2:1l:239:THR:N	2.46	0.54
2:2a:120:ILE:HD13	2:3f:120:ILE:HD13	1.78	0.54
2:2b:223:ARG:NH1	2:3e:226:ILE:O	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:225:MET:O	2:2x:214:PRO:HG2	2.07	0.54
2:5e:259:VAL:HG11	2:6g:258:ASP:O	1.98	0.54
2:5e:280:SER:HB2	2:6g:250:ALA:N	2.22	0.54
2:6f:236:ALA:CA	2:7f:242:LEU:HD11	2.37	0.54
2:7a:41:TYR:CD1	2:7a:55:VAL:HG13	2.42	0.54
2:8e:256:ALA:CA	2:9O:263:VAL:HG21	2.38	0.54
2:8e:279:ILE:CG2	2:9F:273:LEU:HA	2.37	0.54
2:8h:116:LYS:HG3	2:8h:117:GLU:OE1	2.07	0.54
2:8i:99:VAL:CG1	2:7g:28:ILE:HD12	2.33	0.54
2:9F:228:ALA:CB	2:9O:223:ARG:HG2	2.37	0.54
2:2e:41:TYR:CD1	2:2e:55:VAL:HG13	2.42	0.54
2:2f:228:ALA:HB2	2:3j:223:ARG:HG2	1.90	0.54
2:2h:41:TYR:CD1	2:2h:55:VAL:HG13	2.42	0.54
2:2i:114:ARG:HD2	2:3o:114:ARG:HB2	1.89	0.54
2:3k:116:LYS:HG3	2:3k:117:GLU:OE1	2.07	0.54
2:4h:116:LYS:HG3	2:4h:117:GLU:OE1	2.07	0.54
2:6j:246:LYS:HB3	2:7k:239:THR:O	2.08	0.54
2:8m:223:ARG:HA	2:9H:226:ILE:CD1	2.38	0.54
2:9G:41:TYR:CD1	2:9G:55:VAL:HG13	2.42	0.54
2:3m:214:PRO:CG	2:4i:225:MET:HG2	2.37	0.54
2:3n:97:TYR:CZ	2:3n:111:VAL:CB	2.82	0.54
2:6m:251:VAL:CG2	2:8u:270:ILE:CG1	2.74	0.54
2:7m:41:TYR:CD1	2:7m:55:VAL:HG13	2.42	0.54
2:8s:59:PRO:HD3	2:8w:61:ALA:HB2	1.90	0.54
2:8s:131:THR:HG21	2:8w:141:PRO:HA	1.88	0.54
2:2q:210:LEU:CA	2:3q:206:VAL:HG11	2.13	0.54
2:2r:242:LEU:HD12	2:3x:235:PRO:O	0.72	0.54
2:3q:116:LYS:HG3	2:3q:117:GLU:OE1	2.07	0.54
2:6q:258:ASP:HA	2:9K:259:VAL:HG21	0.63	0.54
2:7r:254:SER:N	2:9L:267:ASN:ND2	2.55	0.54
2:8w:279:ILE:N	2:9I:248:GLY:H	2.04	0.54
2:8y:120:ILE:CD1	2:9J:120:ILE:CD1	2.61	0.54
2:1u:212:GLY:HA3	2:2t:203:ASN:HD22	1.71	0.54
2:1v:223:ARG:HH11	2:3v:227:GLY:HA3	1.73	0.54
2:1v:240:THR:O	2:2u:246:LYS:HE2	2.07	0.54
2:1w:183:PHE:CG	2:3w:183:PHE:CZ	2.95	0.54
2:2v:223:ARG:NH1	2:3u:226:ILE:O	2.41	0.54
2:6w:242:LEU:CD1	2:7t:235:PRO:CA	2.84	0.54
2:7w:254:SER:H	2:9R:267:ASN:ND2	2.05	0.54
2:9M:126:LYS:N	2:9J:120:ILE:O	2.40	0.54
2:9M:274:LYS:NZ	2:9J:251:VAL:CB	2.71	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1E:201:ASP:C	1:1E:202:GLU:HG2	2.32	0.54
1:3C:296:ASP:O	1:3C:297:LYS:HB3	2.08	0.54
1:5E:203:PRO:O	1:5E:204:THR:CB	2.56	0.54
1:8B:447:GLN:CG	2:8f:44:VAL:HG22	2.28	0.54
1:4J:93:LEU:HD12	1:4J:93:LEU:O	2.08	0.54
1:5I:428:LEU:HD12	1:5I:428:LEU:C	2.33	0.54
1:5J:354:VAL:O	1:5J:354:VAL:CG1	2.45	0.54
1:8L:443:SER:HA	2:8m:45:LYS:HZ2	0.71	0.54
1:1N:358:ILE:HG23	1:1N:358:ILE:O	2.08	0.54
1:7M:447:GLN:C	2:7k:41:TYR:CD1	2.85	0.54
1:3X:445:GLY:HA2	2:3q:45:LYS:HG2	1.89	0.54
1:5S:202:GLU:O	1:5S:209:ALA:CB	2.54	0.54
1:5V:355:SER:HB3	1:5V:356:PRO:CD	2.37	0.54
1:2W:28:GLN:HE22	2:4n:27:ILE:HD12	1.71	0.54
1:3a:202:GLU:N	1:3a:203:PRO:HD2	2.20	0.54
1:4Z:245:GLU:OE1	1:4Z:245:GLU:N	2.22	0.54
1:6a:91:ILE:O	1:6a:91:ILE:HG22	2.08	0.54
1:6d:245:GLU:OE1	1:6d:245:GLU:N	2.28	0.54
1:7Y:412:LEU:HD12	1:7Y:412:LEU:C	2.33	0.54
1:8Y:446:ALA:H	2:9M:55:VAL:HA	1.72	0.54
1:8Y:447:GLN:HA	2:9M:56:ASN:O	2.08	0.54
1:9E:141:HIS:C	1:9E:141:HIS:ND1	2.65	0.54
2:2a:41:TYR:CD1	2:2a:55:VAL:HG13	2.42	0.54
2:2a:175:PHE:HZ	2:3f:175:PHE:HZ	1.56	0.54
2:2b:145:ARG:HE	2:2b:159:ASN:HD21	1.55	0.54
2:2b:227:GLY:O	2:4e:230:VAL:HG12	2.08	0.54
2:2b:269:LEU:HD22	2:3e:270:ILE:CG1	2.38	0.54
2:2d:212:GLY:HA2	2:3k:225:MET:SD	2.47	0.54
2:3g:225:MET:HG2	2:2x:214:PRO:CG	2.38	0.54
2:3h:234:LEU:CD2	2:2w:242:LEU:HB2	2.38	0.54
2:5e:253:ALA:HA	2:7Z:270:ILE:HD13	1.90	0.54
2:5e:259:VAL:CG2	2:6g:258:ASP:CA	2.82	0.54
2:6h:278:ILE:HD13	2:7c:278:ILE:HG22	1.89	0.54
2:7b:126:LYS:CG	2:9Q:119:SER:HB3	2.38	0.54
2:7c:158[B]:ILE:HD13	2:8j:154:ALA:HB1	1.90	0.54
2:8e:232:TYR:CE1	2:9F:232:TYR:C	2.83	0.54
2:8f:259:VAL:HG21	2:9P:257:THR:O	2.07	0.54
2:8g:59:PRO:HD3	2:8k:61:ALA:HB2	1.90	0.54
2:2e:246:LYS:HB3	2:1p:239:THR:CA	2.37	0.54
2:2f:239:THR:C	2:3j:246:LYS:CA	2.80	0.54
2:2h:206:VAL:HG21	2:3p:210:LEU:CA	2.37	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:41:TYR:CD1	2:2i:55:VAL:HG13	2.42	0.54
2:2i:234:LEU:HB2	2:3o:232:TYR:HH	1.71	0.54
2:3l:97:TYR:CZ	2:3l:111:VAL:CB	2.82	0.54
2:6k:242:LEU:CD1	2:7e:235:PRO:CA	2.84	0.54
2:7e:41:TYR:CD1	2:7e:55:VAL:HG13	2.42	0.54
2:8k:274:LYS:NZ	2:9G:251:VAL:CB	2.71	0.54
2:8m:136:LEU:HD22	2:8q:136:LEU:HD13	1.88	0.54
2:8m:209:LEU:CG	2:9H:206:VAL:HG22	2.27	0.54
2:1m:210:LEU:HD22	2:2j:201:VAL:HG22	1.86	0.54
2:1o:266:LEU:HD11	2:3o:265:ASP:C	2.32	0.54
2:2j:232:TYR:CE2	2:1t:232:TYR:CE2	2.96	0.54
2:2l:145:ARG:HE	2:2l:159:ASN:HD21	1.55	0.54
2:2l:223:ARG:N	2:3m:226:ILE:HD12	2.22	0.54
2:2m:250:ALA:HA	2:4j:280:SER:O	2.08	0.54
2:2n:248:GLY:H	2:3s:279:ILE:HA	1.71	0.54
2:3m:116:LYS:HG3	2:3m:117:GLU:OE1	2.07	0.54
2:3m:219:LYS:HE3	2:4i:225:MET:O	2.08	0.54
2:3m:232:TYR:CD2	2:4i:232:TYR:CG	2.95	0.54
2:6n:246:LYS:HB3	2:7p:239:THR:O	2.08	0.54
2:6o:127:ASP:OD2	2:7j:121[A]:GLU:HB2	2.08	0.54
2:6p:266:LEU:HD21	2:8v:265:ASP:CB	2.38	0.54
2:8q:120:ILE:HD13	2:9H:120:ILE:HG12	1.90	0.54
2:8q:127:ASP:CG	2:9H:121[A]:GLU:HB2	2.32	0.54
2:8u:119:SER:HB3	2:7q:126:LYS:CG	2.38	0.54
2:1q:122:VAL:H	2:2o:127:ASP:CG	2.16	0.54
2:2r:250:ALA:HA	2:4l:280:SER:O	2.08	0.54
2:3q:122:VAL:HG23	2:4k:127:ASP:OD1	2.07	0.54
2:4k:145:ARG:HE	2:4k:159:ASN:HD21	1.55	0.54
2:5k:73:VAL:HG11	2:7o:27:ILE:HA	1.88	0.54
2:5k:259:VAL:CG1	2:6s:257:THR:C	2.79	0.54
2:5k:263:VAL:HG22	2:6s:256:ALA:CB	2.18	0.54
2:5l:239:THR:HA	2:7p:247:LYS:O	2.06	0.54
2:6s:225:MET:CE	2:7o:212:GLY:HA2	2.38	0.54
2:6t:131:THR:OG1	2:9L:140:THR:HA	2.08	0.54
2:7r:145:ARG:HE	2:7r:159:ASN:HD21	1.56	0.54
2:7r:254:SER:H	2:9L:267:ASN:ND2	2.05	0.54
2:8w:174:LEU:HD13	2:9I:174:LEU:HD11	1.89	0.54
2:8y:125:ILE:HD13	2:9M:136:LEU:HD21	1.89	0.54
2:9I:41:TYR:CD1	2:9I:55:VAL:HG13	2.42	0.54
2:3u:209:LEU:HD21	2:4m:209:LEU:HD23	1.90	0.54
2:4m:145:ARG:HE	2:4m:159:ASN:HD21	1.55	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6x:145:ARG:HE	2:6x:159:ASN:HD21	1.55	0.54
2:7w:158[B]:ILE:HD13	2:9R:154:ALA:HB1	1.90	0.54
2:7w:231:PRO:CD	2:9R:229:GLY:N	2.71	0.54
2:9M:132:GLY:HA3	2:9J:136:LEU:HA	1.90	0.54
2:9M:227:GLY:HA3	2:9J:219:LYS:NZ	2.18	0.54
2:9P:116:LYS:HG3	2:9P:117:GLU:OE1	2.07	0.54
1:5C:428:LEU:HD12	1:5C:428:LEU:C	2.33	0.54
1:6G:17:SER:OG	1:6G:18:TYR:N	2.41	0.54
1:7G:355:SER:HB3	1:7G:356:PRO:HD2	1.89	0.54
1:7J:91:ILE:O	1:7J:91:ILE:HG22	2.06	0.54
1:1P:314:ASN:OD1	1:1P:314:ASN:C	2.49	0.54
1:3O:443:SER:CA	2:3p:45:LYS:HZ2	2.17	0.54
1:4M:380:ASP:OD1	1:4M:380:ASP:C	2.51	0.54
1:4N:66:VAL:O	1:4N:66:VAL:HG13	2.07	0.54
1:7M:355:SER:HB2	1:7M:370:THR:N	2.13	0.54
1:1T:423:GLU:OE1	1:1T:423:GLU:N	2.32	0.54
1:1U:208:GLY:O	1:1U:212:GLU:HG3	2.08	0.54
1:2Q:356:PRO:HB2	1:2Q:369:PHE:HE2	1.71	0.54
1:6T:448:ALA:HB2	2:6s:41:TYR:CD1	2.43	0.54
1:8U:88:LYS:O	1:8U:88:LYS:HG3	2.07	0.54
1:1Y:393:GLY:HA3	1:1Y:405:SER:HB2	1.90	0.54
1:3c:443:SER:HB3	2:3v:45:LYS:HE3	1.89	0.54
1:5a:428:LEU:HD12	1:5a:428:LEU:C	2.33	0.54
1:7U:448:ALA:O	2:7x:60:LEU:HG	2.07	0.54
2:1e:234:LEU:HD21	2:2Z:242:LEU:CA	2.38	0.54
2:1h:116:LYS:HG3	2:1h:117:GLU:OE1	2.07	0.54
2:2Z:136:LEU:O	2:1l:132:GLY:HA3	2.07	0.54
2:2a:227:GLY:HA3	2:3f:223:ARG:HH11	0.72	0.54
2:2b:214:PRO:CG	2:3e:225:MET:HG3	2.32	0.54
2:2b:227:GLY:O	2:4e:223:ARG:HD3	2.07	0.54
2:2d:259:VAL:HG11	2:1k:257:THR:C	2.33	0.54
2:3h:121[B]:GLU:HA	2:2w:127:ASP:OD1	2.07	0.54
2:5e:145:ARG:HE	2:5e:159:ASN:HD21	1.55	0.54
2:6g:224:THR:O	2:7Z:219:LYS:HE3	2.08	0.54
2:8e:127:ASP:CG	2:9F:121[A]:GLU:HB2	2.32	0.54
2:8e:145:ARG:HE	2:8e:159:ASN:HD21	1.55	0.54
2:8f:145:ARG:HE	2:8f:159:ASN:HD21	1.55	0.54
2:8g:212:GLY:HA2	2:9G:203:ASN:CG	2.33	0.54
2:8i:38:ILE:HD11	2:8i:114:ARG:CZ	2.34	0.54
2:9F:41:TYR:CD1	2:9F:55:VAL:HG13	2.42	0.54
2:1k:245:VAL:HG21	2:3k:245:VAL:HG21	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:223:ARG:N	2:3i:226:ILE:HD12	2.22	0.54
2:2h:127:ASP:OD1	2:3p:121[B]:GLU:HA	2.07	0.54
2:2i:171:GLN:NE2	2:3o:175:PHE:CD1	2.76	0.54
2:2i:196:LEU:CB	2:3o:200:LEU:CD2	2.85	0.54
2:2i:212:GLY:HA2	2:3o:225:MET:SD	2.47	0.54
2:2i:232:TYR:HB3	2:3o:232:TYR:CB	2.37	0.54
2:2i:251:VAL:HG11	2:3o:279:ILE:HD12	1.87	0.54
2:4h:145:ARG:HE	2:4h:159:ASN:HD21	1.55	0.54
2:7h:158[B]:ILE:HD13	2:8p:154:ALA:HB1	1.90	0.54
2:8k:132:GLY:HA3	2:9G:136:LEU:HA	1.90	0.54
2:8m:131:THR:HG21	2:8q:141:PRO:HA	1.88	0.54
2:1o:270:ILE:HG23	2:3o:251:VAL:CB	2.31	0.54
2:2j:269:LEU:CD2	2:1t:270:ILE:HG12	2.38	0.54
2:2k:41:TYR:CD1	2:2k:55:VAL:HG13	2.42	0.54
2:2k:226:ILE:O	2:3n:223:ARG:CD	2.54	0.54
2:2n:214:PRO:HG2	2:3s:225:MET:O	2.07	0.54
2:3o:116:LYS:HG3	2:3o:117:GLU:OE1	2.07	0.54
2:4j:145:ARG:HE	2:4j:159:ASN:HD21	1.56	0.54
2:5i:259:VAL:HG22	2:6o:259:VAL:CA	2.37	0.54
2:7n:145:ARG:HE	2:7n:159:ASN:HD21	1.56	0.54
2:8q:132:GLY:HA3	2:9H:136:LEU:HA	1.90	0.54
2:8q:274:LYS:NZ	2:9H:251:VAL:CB	2.71	0.54
2:1q:145:ARG:HE	2:1q:159:ASN:HD21	1.55	0.54
2:1q:247:LYS:HD3	2:2o:239:THR:CG2	2.30	0.54
2:2p:239:THR:C	2:3r:246:LYS:CA	2.80	0.54
2:2s:114:ARG:HD2	2:3w:114:ARG:HB2	1.89	0.54
2:2s:232:TYR:HB3	2:3w:232:TYR:CB	2.37	0.54
2:3q:145:ARG:HE	2:3q:159:ASN:HD21	1.55	0.54
2:3q:209:LEU:HD21	2:4k:209:LEU:HD23	1.90	0.54
2:3q:269:LEU:CD1	2:4k:279:ILE:HD13	2.37	0.54
2:5k:246:LYS:N	2:7o:242:LEU:HD23	2.13	0.54
2:5l:145:ARG:HE	2:5l:159:ASN:HD21	1.55	0.54
2:6q:116:LYS:HG3	2:6q:117:GLU:OE1	2.07	0.54
2:6r:200:LEU:CD1	2:7u:200:LEU:HD22	2.38	0.54
2:6r:226:ILE:HD12	2:5n:223:ARG:HA	1.88	0.54
2:6s:57:MET:HB3	2:7o:61:ALA:HB1	1.89	0.54
2:6s:224:THR:O	2:7o:219:LYS:HE3	2.08	0.54
2:8y:59:PRO:HD3	2:9M:61:ALA:HB2	1.90	0.54
2:8y:157:LEU:HD12	2:9J:173:LEU:HB3	1.89	0.54
2:1u:145:ARG:HE	2:1u:159:ASN:HD21	1.55	0.54
2:2u:228:ALA:HB2	2:3v:223:ARG:HG2	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2v:269:LEU:HD22	2:3u:270:ILE:CG1	2.38	0.54
2:3u:230:VAL:HG12	2:4m:227:GLY:O	2.07	0.54
2:5m:266:LEU:CD2	2:6w:266:LEU:N	2.71	0.54
2:5m:270:ILE:HD13	2:6w:251:VAL:HG23	1.89	0.54
2:6u:116:LYS:HG3	2:6u:117:GLU:OE1	2.07	0.54
2:6w:228:ALA:HB1	2:7t:228:ALA:HB1	1.89	0.54
2:6x:278:ILE:HD13	2:7w:278:ILE:HG22	1.89	0.54
2:9M:116:LYS:HG3	2:9M:117:GLU:OE1	2.07	0.54
2:9M:127:ASP:CG	2:9J:121[A]:GLU:HB2	2.32	0.54
2:9M:145:ARG:HE	2:9M:159:ASN:HD21	1.55	0.54
2:9M:279:ILE:CG2	2:9J:273:LEU:HA	2.37	0.54
1:1B:358:ILE:HG23	1:1B:358:ILE:O	2.08	0.54
1:1C:200:ILE:CD1	1:1C:213:PHE:CD1	2.90	0.54
1:2B:397:THR:HA	2:2b:107:LEU:HB2	1.89	0.54
1:4E:124:MET:SD	1:4E:124:MET:N	2.74	0.54
1:4F:443:SER:HB2	2:4f:44:VAL:HG21	1.89	0.54
1:4F:448:ALA:HB1	2:4f:41:TYR:CD1	2.32	0.54
1:8C:445:GLY:CA	2:8j:45:LYS:CG	2.68	0.54
1:2H:393:GLY:O	2:2f:15:ALA:HB3	2.07	0.54
1:6H:130:LEU:HD12	1:6H:130:LEU:C	2.33	0.54
1:6J:314:ASN:OD1	1:6J:314:ASN:C	2.50	0.54
1:1O:440:ASN:OD1	1:1O:440:ASN:C	2.50	0.54
1:8O:377:ASN:OD1	1:8O:377:ASN:C	2.51	0.54
1:8Q:447:GLN:HG2	2:8t:44:VAL:CG1	2.38	0.54
1:1S:446:ALA:N	2:1q:44:VAL:HG23	2.23	0.54
1:3V:443:SER:C	2:3s:56:ASN:ND2	2.62	0.54
1:4U:228:GLN:OE1	1:4U:228:GLN:N	2.29	0.54
1:4X:439:PRO:O	1:4X:440:ASN:CB	2.55	0.54
1:7S:136:ARG:O	1:7S:136:ARG:HG3	2.07	0.54
1:1Z:314:ASN:OD1	1:1Z:314:ASN:C	2.47	0.54
1:1a:448:ALA:N	2:1w:60:LEU:HD11	2.23	0.54
1:6Y:17:SER:OG	1:6Y:18:TYR:N	2.41	0.54
2:2a:228:ALA:HB2	2:3f:223:ARG:HG2	1.90	0.54
2:2d:196:LEU:CB	2:3k:200:LEU:CD2	2.85	0.54
2:2d:232:TYR:HB3	2:3k:232:TYR:CB	2.38	0.54
2:3g:200:LEU:CD2	2:2x:196:LEU:HD13	2.38	0.54
2:3g:232:TYR:CE2	2:2x:232:TYR:HE2	2.17	0.54
2:3g:279:ILE:HA	2:2x:248:GLY:H	1.71	0.54
2:3h:223:ARG:HB2	2:2w:226:ILE:O	2.07	0.54
2:5e:199:LEU:C	2:6g:193:LYS:HE3	2.33	0.54
2:6e:158[B]:ILE:HG22	2:8i:149[B]:ILE:HG23	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:116:LYS:HG3	2:6g:117:GLU:OE1	2.07	0.54
2:6g:200:LEU:O	2:7Z:197:GLN:HG3	2.07	0.54
2:6h:145:ARG:HE	2:6h:159:ASN:HD21	1.55	0.54
2:7c:183:PHE:CE2	2:8j:183:PHE:CE2	2.95	0.54
2:8e:280:SER:O	2:9F:250:ALA:CA	2.55	0.54
2:8g:210:LEU:HD23	2:9G:206:VAL:HG13	1.70	0.54
2:1j:223:ARG:HH11	2:3j:227:GLY:HA3	1.73	0.54
2:1j:226:ILE:O	2:2f:223:ARG:CG	2.56	0.54
2:2f:180:VAL:HG22	2:3j:183:PHE:CE2	2.43	0.54
2:2g:41:TYR:CD1	2:2g:55:VAL:HG13	2.42	0.54
2:6j:145:ARG:HE	2:6j:159:ASN:HD21	1.55	0.54
2:6l:131:THR:OG1	2:8p:140:THR:HA	2.08	0.54
2:7h:273:LEU:HD11	2:8p:273:LEU:HD13	1.90	0.54
2:7i:226:ILE:HD13	2:8l:226:ILE:HD13	1.88	0.54
2:8k:116:LYS:HG3	2:8k:117:GLU:OE1	2.07	0.54
2:8k:177:ASP:OD1	2:9G:186:ALA:CB	2.56	0.54
2:8k:280:SER:O	2:9G:250:ALA:CA	2.55	0.54
2:8l:145:ARG:HE	2:8l:159:ASN:HD21	1.55	0.54
2:8m:212:GLY:HA2	2:9H:203:ASN:CG	2.33	0.54
2:1m:247:LYS:CD	2:2j:239:THR:CG2	2.52	0.54
2:1p:116:LYS:CA	2:1p:116:LYS:CE	2.86	0.54
2:2j:246:LYS:HB3	2:1t:239:THR:CA	2.37	0.54
2:2l:223:ARG:CD	2:3m:228:ALA:N	2.54	0.54
2:3m:245:VAL:O	2:4i:237:ALA:HB1	2.08	0.54
2:5i:148[A]:ILE:CG2	2:6o:145:ARG:HG2	2.38	0.54
2:5i:253:ALA:HA	2:7j:270:ILE:HD13	1.90	0.54
2:6n:200:LEU:CD1	2:7p:200:LEU:HD22	2.38	0.54
2:6n:273:LEU:CD2	2:7p:279:ILE:CG2	2.82	0.54
2:7j:41:TYR:CD1	2:7j:55:VAL:HG13	2.42	0.54
2:7l:41:TYR:CD1	2:7l:55:VAL:HG13	2.42	0.54
2:7m:251:VAL:CG2	2:8v:270:ILE:HD13	2.38	0.54
2:8q:175:PHE:CZ	2:9H:171:GLN:HG2	2.31	0.54
2:8t:200:LEU:CD2	2:7s:200:LEU:HD11	2.33	0.54
2:1q:97:TYR:CZ	2:1q:111:VAL:CB	2.81	0.54
2:2o:222:LEU:HB2	2:1x:226:ILE:CB	2.37	0.54
2:2o:232:TYR:CE2	2:1x:232:TYR:CE2	2.96	0.54
2:2o:247:LYS:CB	2:1x:239:THR:CG2	2.77	0.54
2:8w:127:ASP:CG	2:9I:121[A]:GLU:HB2	2.32	0.54
2:8w:150:GLU:CG	2:9I:145:ARG:HH12	2.21	0.54
2:8w:175:PHE:CZ	2:9I:171:GLN:HG2	2.31	0.54
2:8y:119:SER:HB3	2:9J:126:LYS:HG3	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:167:LYS:HD3	2:9J:176:SER:HB3	1.89	0.54
2:3u:122:VAL:HG23	2:4m:127:ASP:OD1	2.07	0.54
2:6u:251:VAL:HG21	2:9Q:270:ILE:HG12	1.84	0.54
2:6w:239:THR:C	2:7t:246:LYS:HD3	2.28	0.54
2:7w:262:ALA:CA	2:9R:263:VAL:HG22	2.38	0.54
2:9M:120:ILE:HD13	2:9J:120:ILE:HG12	1.90	0.54
2:9M:177:ASP:OD1	2:9J:186:ALA:CB	2.56	0.54
2:9M:200:LEU:CD2	2:9J:196:LEU:CG	2.85	0.54
1:3E:447:GLN:HG3	2:3f:56:ASN:HB2	1.89	0.54
1:4B:66:VAL:O	1:4B:66:VAL:HG13	2.07	0.54
1:4E:199:LYS:CG	1:4E:202:GLU:HG3	2.34	0.54
1:7B:445:GLY:HA3	2:7b:53:THR:OG1	2.08	0.54
1:1K:201:ASP:C	1:1K:202:GLU:HG2	2.32	0.54
1:3I:296:ASP:O	1:3I:297:LYS:HB3	2.08	0.54
1:3J:269:ASN:OD1	1:3J:269:ASN:C	2.51	0.54
1:7I:245:GLU:OE1	1:7I:245:GLU:N	2.31	0.54
1:7I:392:THR:HB	2:7e:46:ASP:CG	2.33	0.54
1:8I:444:GLY:O	2:8p:44:VAL:HG22	1.93	0.54
1:8J:202:GLU:HG2	1:8J:343:SER:HB2	1.90	0.54
1:1O:444:GLY:HA2	2:1o:45:LYS:CE	2.32	0.54
1:1Q:201:ASP:C	1:1Q:202:GLU:HG2	2.32	0.54
1:3N:422:THR:HG22	1:3N:422:THR:O	2.07	0.54
1:4R:447:GLN:CG	2:4j:44:VAL:CG1	2.86	0.54
1:7L:25:ARG:NH2	2:8v:51:ASP:OD1	2.41	0.54
1:7O:412:LEU:HD12	1:7O:412:LEU:C	2.33	0.54
1:9C:355:SER:HB3	1:9C:356:PRO:HD3	1.90	0.54
1:1U:447:GLN:N	2:1s:42:VAL:O	2.40	0.54
1:2S:448:ALA:HB2	2:2o:41:TYR:HA	1.89	0.54
1:6V:392:THR:OG1	1:6V:393:GLY:N	2.40	0.54
1:7Q:448:ALA:O	2:7q:58:TYR:O	2.26	0.54
1:7S:423:GLU:OE1	1:7S:423:GLU:N	2.35	0.54
1:7T:447:GLN:N	2:7r:42:VAL:O	2.40	0.54
1:8V:202:GLU:HG2	1:8V:343:SER:HB2	1.90	0.54
1:8X:447:GLN:CG	2:8y:42:VAL:CG1	2.86	0.54
1:9D:446:ALA:O	2:9I:56:ASN:N	2.41	0.54
1:2V:356:PRO:CB	1:2V:369:PHE:CE2	2.91	0.54
1:4d:137:GLN:HG3	1:4d:137:GLN:O	2.07	0.54
1:8c:445:GLY:H	2:9P:44:VAL:HG21	1.73	0.54
2:1e:122:VAL:N	2:2Z:127:ASP:OD1	2.37	0.54
2:1f:247:LYS:H	2:3f:239:THR:C	2.16	0.54
2:3e:209:LEU:HD21	2:4e:209:LEU:HD23	1.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:148[A]:ILE:CG2	2:6g:145:ARG:HG2	2.38	0.54
2:5e:266:LEU:CD2	2:6g:266:LEU:N	2.71	0.54
2:6f:145:ARG:HE	2:6f:159:ASN:HD21	1.55	0.54
2:6g:225:MET:CE	2:7Z:212:GLY:HA2	2.38	0.54
2:7c:231:PRO:CD	2:8j:229:GLY:N	2.71	0.54
2:8e:126:LYS:HB2	2:9F:119:SER:HB3	1.89	0.54
2:8e:132:GLY:HA3	2:9F:136:LEU:HA	1.90	0.54
2:1k:270:ILE:HG23	2:3k:251:VAL:CB	2.31	0.54
2:1l:145:ARG:HE	2:1l:159:ASN:HD21	1.56	0.54
2:2h:162:THR:OG1	2:4h:173:LEU:O	2.23	0.54
2:2i:148[B]:ILE:HD13	2:1o:148[B]:ILE:HD13	1.90	0.54
2:5g:145:ARG:HE	2:5g:159:ASN:HD21	1.55	0.54
2:5g:237:ALA:HB1	2:6k:247:LYS:H	1.72	0.54
2:6k:228:ALA:HB1	2:7e:228:ALA:HB1	1.89	0.54
2:7h:259:VAL:N	2:8p:259:VAL:HG22	2.23	0.54
2:7h:262:ALA:CA	2:8p:263:VAL:HG22	2.38	0.54
2:8m:59:PRO:HD3	2:8q:61:ALA:HB2	1.90	0.54
2:8n:116:LYS:CA	2:8n:116:LYS:CE	2.85	0.54
2:1m:111:VAL:CG2	2:2j:57:MET:CE	2.85	0.54
2:1m:223:ARG:HA	2:2j:226:ILE:CD1	2.35	0.54
2:1o:200:LEU:N	2:3o:193:LYS:HE3	2.22	0.54
2:1p:145:ARG:HE	2:1p:159:ASN:HD21	1.55	0.54
2:2k:228:ALA:HB2	2:3n:223:ARG:HG2	1.90	0.54
2:4j:247:LYS:HB3	2:3t:239:THR:O	2.08	0.54
2:5i:259:VAL:CG1	2:6o:257:THR:C	2.79	0.54
2:6m:250:ALA:HB1	2:8u:280:SER:O	2.08	0.54
2:6p:120:ILE:HD11	2:7m:120:ILE:HD13	0.58	0.54
2:7m:171:GLN:NE2	2:8v:175:PHE:CD1	2.76	0.54
2:8q:127:ASP:OD1	2:9H:121[A]:GLU:HB2	2.08	0.54
2:8q:150:GLU:CG	2:9H:145:ARG:HH12	2.21	0.54
2:8s:125:ILE:HD13	2:8w:136:LEU:HD21	1.89	0.54
2:8s:157:LEU:HD12	2:9I:173:LEU:HB3	1.89	0.54
2:8s:237:ALA:HB1	2:8w:247:LYS:CB	2.22	0.54
2:8v:145:ARG:HE	2:8v:159:ASN:HD21	1.55	0.54
2:2p:41:TYR:CD1	2:2p:55:VAL:HG13	2.42	0.54
2:2s:266:LEU:HA	2:3w:266:LEU:CD2	2.38	0.54
2:4l:139:ASN:HA	2:3x:129:GLY:HA3	1.90	0.54
2:5k:259:VAL:HG22	2:6s:259:VAL:CA	2.37	0.54
2:7r:183:PHE:CE2	2:9L:183:PHE:CE2	2.95	0.54
2:8w:150:GLU:HG3	2:9I:141:PRO:HB2	1.90	0.54
2:8w:177:ASP:OD1	2:9I:186:ALA:CB	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:263:VAL:HG21	2:9M:256:ALA:CA	2.38	0.54
2:1u:122:VAL:H	2:2t:127:ASP:CG	2.16	0.54
2:1u:210:LEU:HD22	2:2t:201:VAL:HG22	1.86	0.54
2:2u:145:ARG:HE	2:2u:159:ASN:HD21	1.55	0.54
2:2u:203:ASN:HB2	2:3v:212:GLY:CA	2.38	0.54
2:2u:242:LEU:HB2	2:3v:234:LEU:CD2	2.37	0.54
2:2v:219:LYS:HG2	2:3u:225:MET:C	2.22	0.54
2:3u:219:LYS:HE3	2:4m:225:MET:O	2.08	0.54
2:3u:269:LEU:CD1	2:4m:279:ILE:HD13	2.37	0.54
2:6u:99:VAL:HG12	2:9Q:28:ILE:HD13	1.90	0.54
2:6u:120:ILE:HD11	2:9Q:120:ILE:HD12	1.89	0.54
2:6x:148[B]:ILE:CD1	2:9R:148[B]:ILE:HD11	2.37	0.54
2:9N:145:ARG:HE	2:9N:159:ASN:HD21	1.55	0.54
1:4D:93:LEU:HD12	1:4D:93:LEU:O	2.08	0.53
1:4E:209:ALA:CB	1:4E:212:GLU:HG2	2.29	0.53
1:9A:26:ASN:HA	2:8w:52:LEU:HD12	1.89	0.53
1:1I:208:GLY:O	1:1I:212:GLU:HG3	2.08	0.53
1:5H:209:ALA:HB1	1:5H:212:GLU:HB2	1.88	0.53
1:6L:445:GLY:C	2:6i:44:VAL:CG2	2.77	0.53
1:9B:141:HIS:ND1	1:9B:141:HIS:C	2.65	0.53
1:9B:228:GLN:OE1	1:9B:228:GLN:N	2.26	0.53
1:2M:28:GLN:HE21	2:4j:27:ILE:HD11	1.73	0.53
1:2N:25:ARG:CZ	2:3m:51:ASP:OD2	2.55	0.53
1:6M:208:GLY:O	1:6M:212:GLU:HG3	2.08	0.53
1:6Q:200:ILE:O	1:6Q:200:ILE:HG13	2.08	0.53
1:7M:444:GLY:HA3	2:7k:45:LYS:HE3	1.90	0.53
1:1V:447:GLN:HE21	2:1t:60:LEU:HD11	1.70	0.53
1:3T:422:THR:O	1:3T:422:THR:HG22	2.08	0.53
1:3U:362:LYS:HB2	1:3U:438:ARG:NH1	2.20	0.53
1:6X:228:GLN:OE1	1:6X:228:GLN:N	2.32	0.53
1:1Z:423:GLU:OE1	1:1Z:423:GLU:N	2.32	0.53
1:3a:408:GLU:HG2	1:3a:437:ILE:CD1	2.38	0.53
1:3c:245:GLU:OE1	1:3c:245:GLU:N	2.25	0.53
1:5d:422:THR:CG2	1:5d:427:LYS:HG3	2.33	0.53
1:5d:428:LEU:HD12	1:5d:428:LEU:O	2.08	0.53
1:6Y:208:GLY:O	1:6Y:212:GLU:HG3	2.08	0.53
1:7Y:445:GLY:HA2	2:7w:45:LYS:CB	2.37	0.53
2:1h:239:THR:CA	2:2t:246:LYS:HB3	2.37	0.53
2:2Z:222:LEU:HB2	2:1l:226:ILE:CB	2.38	0.53
2:2d:266:LEU:HA	2:3k:266:LEU:CD2	2.38	0.53
2:6e:28:ILE:HD13	2:7g:97:TYR:HE1	1.72	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:99:VAL:HG12	2:8i:28:ILE:HD13	1.90	0.53
2:7c:171:GLN:NE2	2:8j:175:PHE:CD1	2.76	0.53
2:7c:251:VAL:CG2	2:8j:270:ILE:HD13	2.38	0.53
2:7d:28:ILE:HD12	2:8f:99:VAL:HG12	1.88	0.53
2:8e:177:ASP:OD1	2:9F:186:ALA:CB	2.56	0.53
2:8e:270:ILE:HG23	2:9F:269:LEU:CD1	2.15	0.53
2:8e:274:LYS:NZ	2:9F:251:VAL:CB	2.71	0.53
2:8f:267:ASN:OD1	2:9P:253:ALA:CB	2.51	0.53
2:9F:176:SER:HB3	2:9O:167:LYS:HD3	1.89	0.53
2:2f:239:THR:H	2:3j:247:LYS:HB2	1.51	0.53
2:2g:223:ARG:NH1	2:3i:226:ILE:O	2.41	0.53
2:2g:227:GLY:O	2:4g:230:VAL:HG12	2.08	0.53
2:2h:128:ALA:HB1	2:3p:136:LEU:HD11	1.90	0.53
2:2h:196:LEU:HD23	2:3p:183:PHE:HZ	1.73	0.53
2:5g:199:LEU:C	2:6k:193:LYS:HE3	2.33	0.53
2:5g:279:ILE:HG21	2:6k:272:VAL:CG1	2.38	0.53
2:6i:120:ILE:HD11	2:8o:120:ILE:HD12	1.89	0.53
2:6i:250:ALA:HB1	2:8o:280:SER:O	2.08	0.53
2:7i:41:TYR:CD1	2:7i:55:VAL:HG13	2.42	0.53
2:8k:120:ILE:HD13	2:9G:120:ILE:HG12	1.90	0.53
2:8k:127:ASP:CG	2:9G:121[A]:GLU:HB2	2.32	0.53
2:8k:150:GLU:CG	2:9G:145:ARG:HH12	2.21	0.53
2:8k:243:GLY:C	2:9G:234:LEU:CD2	2.68	0.53
2:8n:228:ALA:HB2	2:7n:228:ALA:CB	2.38	0.53
2:2j:212:GLY:HA3	2:1t:203:ASN:HD22	1.71	0.53
2:2m:202:SER:H	2:3t:197:GLN:HE22	1.54	0.53
2:2n:171:GLN:NE2	2:3s:175:PHE:CD1	2.76	0.53
2:3m:116:LYS:HA	2:3m:116:LYS:CE	2.22	0.53
2:5i:99:VAL:HG11	2:7j:5:PHE:CD2	2.43	0.53
2:6n:244:GLY:HA3	2:7p:242:LEU:HB3	1.91	0.53
2:6o:227:GLY:CA	2:7j:223:ARG:NH1	2.50	0.53
2:6o:239:THR:HA	2:7j:246:LYS:HB3	1.89	0.53
2:7k:41:TYR:CD1	2:7k:55:VAL:HG13	2.42	0.53
2:7m:158[B]:ILE:HD13	2:8v:154:ALA:HB1	1.90	0.53
2:7m:256:ALA:CB	2:8v:263:VAL:CG2	2.66	0.53
2:8q:279:ILE:N	2:9H:248:GLY:H	2.04	0.53
2:8s:145:ARG:HE	2:8s:159:ASN:HD21	1.55	0.53
2:8s:259:VAL:HG11	2:8w:258:ASP:N	2.02	0.53
2:8s:263:VAL:HG21	2:8w:256:ALA:CA	2.38	0.53
2:8t:228:ALA:HB2	2:7s:228:ALA:CB	2.38	0.53
2:1r:223:ARG:HH11	2:3r:227:GLY:HA3	1.73	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:266:LEU:HD11	2:3s:265:ASP:C	2.32	0.53
2:2o:41:TYR:CD1	2:2o:55:VAL:HG13	2.42	0.53
2:2o:246:LYS:HB3	2:1x:239:THR:CA	2.37	0.53
2:2r:229:GLY:O	2:3x:229:GLY:N	2.34	0.53
2:3q:230:VAL:HG12	2:4k:227:GLY:O	2.07	0.53
2:6r:236:ALA:N	2:7u:242:LEU:HD11	2.22	0.53
2:6r:236:ALA:CA	2:7u:242:LEU:HD11	2.37	0.53
2:7r:265:ASP:CA	2:9L:266:LEU:HD21	2.39	0.53
2:7s:145:ARG:HE	2:7s:159:ASN:HD21	1.56	0.53
2:8y:223:ARG:HG2	2:9J:228:ALA:CB	2.37	0.53
2:1w:245:VAL:HG21	2:3w:245:VAL:HG21	1.89	0.53
2:2x:145:ARG:HE	2:2x:159:ASN:HD21	1.55	0.53
2:9M:126:LYS:HB2	2:9J:119:SER:HB3	1.89	0.53
1:3A:235:SER:O	1:3A:236:MET:HB2	2.09	0.53
1:5C:228:GLN:OE1	1:5C:228:GLN:N	2.29	0.53
1:5F:428:LEU:HD12	1:5F:428:LEU:O	2.08	0.53
1:5F:447:GLN:HG2	2:5f:44:VAL:HG12	1.87	0.53
1:4L:439:PRO:O	1:4L:440:ASN:CB	2.56	0.53
1:7F:355:SER:HB3	1:7F:356:PRO:HD3	1.89	0.53
1:7I:107:GLU:OE1	1:7I:107:GLU:CA	2.56	0.53
1:7I:423:GLU:OE1	1:7I:423:GLU:N	2.35	0.53
1:9B:355:SER:HB3	1:9B:356:PRO:HD3	1.90	0.53
1:1R:356:PRO:HG3	1:1R:369:PHE:CE2	2.24	0.53
1:2L:356:PRO:CB	1:2L:369:PHE:CE2	2.91	0.53
1:3O:408:GLU:HG2	1:3O:437:ILE:CD1	2.38	0.53
1:5R:428:LEU:HD12	1:5R:428:LEU:O	2.08	0.53
1:6N:130:LEU:HD12	1:6N:130:LEU:C	2.33	0.53
1:6Q:448:ALA:CB	2:6n:41:TYR:HD2	2.21	0.53
1:6R:445:GLY:N	2:6m:44:VAL:CG2	2.71	0.53
1:2R:382:LYS:NZ	2:2p:103:GLN:NE2	2.56	0.53
1:3S:396:ILE:O	1:3S:396:ILE:HG23	2.08	0.53
1:4T:66:VAL:HG13	1:4T:66:VAL:O	2.07	0.53
1:5T:203:PRO:HB3	1:5T:209:ALA:CB	2.37	0.53
1:3Y:202:GLU:HG3	1:3Y:202:GLU:O	2.08	0.53
1:4b:93:LEU:HD12	1:4b:93:LEU:O	2.08	0.53
1:6c:200:ILE:O	1:6c:200:ILE:HG13	2.08	0.53
2:1e:97:TYR:CZ	2:1e:111:VAL:CB	2.82	0.53
2:1g:200:LEU:N	2:3g:193:LYS:HE3	2.22	0.53
2:1g:257:THR:C	2:2x:259:VAL:HG11	2.33	0.53
2:1h:225:MET:O	2:2t:214:PRO:CG	2.54	0.53
2:1h:270:ILE:HG12	2:2t:269:LEU:CD2	2.38	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2Z:158[B]:ILE:HD12	2:1l:154:ALA:HB1	1.89	0.53
2:2Z:246:LYS:CE	2:1l:240:THR:C	2.79	0.53
2:2c:128:ALA:HB1	2:3l:136:LEU:HD11	1.90	0.53
2:3e:245:VAL:O	2:4e:237:ALA:HB1	2.08	0.53
2:3g:225:MET:HG2	2:2x:214:PRO:HD2	1.89	0.53
2:3g:266:LEU:HD22	2:2x:266:LEU:CB	2.35	0.53
2:3h:175:PHE:CZ	2:2w:175:PHE:CZ	2.86	0.53
2:4f:116:LYS:HG3	2:4f:117:GLU:OE1	2.07	0.53
2:6f:230:VAL:C	2:7f:229:GLY:HA3	2.34	0.53
2:7d:41:TYR:CD1	2:7d:55:VAL:HG13	2.42	0.53
2:8e:61:ALA:HB2	2:9O:59:PRO:HD3	1.90	0.53
2:8e:120:ILE:HD13	2:9F:120:ILE:HG12	1.90	0.53
2:8e:126:LYS:N	2:9F:120:ILE:O	2.40	0.53
2:8e:150:GLU:CG	2:9F:145:ARG:HH12	2.21	0.53
2:8g:125:ILE:HD13	2:8k:136:LEU:HD21	1.89	0.53
2:8g:263:VAL:HG21	2:8k:256:ALA:CA	2.38	0.53
2:9F:173:LEU:HB3	2:9O:157:LEU:HD12	1.89	0.53
2:1k:245:VAL:HG13	2:3k:245:VAL:HG22	1.77	0.53
2:2e:246:LYS:CE	2:1p:240:THR:C	2.79	0.53
2:2h:250:ALA:HA	2:4h:280:SER:O	2.08	0.53
2:7g:41:TYR:CD1	2:7g:55:VAL:HG13	2.42	0.53
2:8k:225:MET:HG2	2:9G:214:PRO:CG	2.34	0.53
2:1n:223:ARG:HH11	2:3n:227:GLY:HA3	1.73	0.53
2:1n:244:GLY:CA	2:3n:242:LEU:CD1	2.87	0.53
2:1o:154:ALA:HB1	2:3o:158[B]:ILE:HA	1.89	0.53
2:1o:281:LEU:C	2:3o:250:ALA:HB1	2.30	0.53
2:2k:203:ASN:HB2	2:3n:212:GLY:CA	2.38	0.53
2:2n:196:LEU:CB	2:3s:200:LEU:CD2	2.85	0.53
2:2n:232:TYR:HB3	2:3s:232:TYR:CB	2.37	0.53
2:2n:266:LEU:HA	2:3s:266:LEU:CD2	2.38	0.53
2:4j:116:LYS:CA	2:4j:116:LYS:CE	2.85	0.53
2:5i:118:ILE:HD11	2:7j:118:ILE:HD11	1.89	0.53
2:5i:145:ARG:HE	2:5i:159:ASN:HD21	1.55	0.53
2:5j:145:ARG:HE	2:5j:159:ASN:HD21	1.55	0.53
2:6m:119:SER:HB3	2:8u:126:LYS:HG3	1.90	0.53
2:6p:148[B]:ILE:CD1	2:8v:148[B]:ILE:HD11	2.37	0.53
2:7m:259:VAL:N	2:8v:259:VAL:HG22	2.23	0.53
2:8q:173:LEU:HD13	2:9H:157:LEU:O	2.06	0.53
2:2o:269:LEU:CD2	2:1x:270:ILE:HG12	2.38	0.53
2:2p:228:ALA:HB2	2:3r:223:ARG:HG2	1.90	0.53
2:2q:223:ARG:NH1	2:3q:226:ILE:O	2.41	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4l:247:LYS:HD3	2:3x:239:THR:CB	2.26	0.53
2:6q:99:VAL:HG12	2:9K:28:ILE:HD13	1.90	0.53
2:6r:209:LEU:HD21	2:7u:209:LEU:CD2	2.39	0.53
2:7r:41:TYR:CD1	2:7r:55:VAL:HG13	2.42	0.53
2:8w:132:GLY:HA3	2:9I:136:LEU:HA	1.90	0.53
2:8w:225:MET:CG	2:9I:214:PRO:CD	2.53	0.53
2:8y:130:ASP:N	2:9M:139:ASN:OD1	2.38	0.53
2:8y:267:ASN:OD1	2:9M:253:ALA:C	2.51	0.53
2:9K:119:SER:HB3	2:7v:126:LYS:CG	2.38	0.53
2:9K:119:SER:HB3	2:7v:126:LYS:HG3	1.90	0.53
2:1v:247:LYS:H	2:3v:239:THR:C	2.16	0.53
2:1w:145:ARG:HE	2:1w:159:ASN:HD21	1.55	0.53
2:2u:180:VAL:HG22	2:3v:183:PHE:CE2	2.43	0.53
2:2u:239:THR:H	2:3v:247:LYS:HB2	1.51	0.53
2:2u:240:THR:C	2:3v:246:LYS:CG	2.74	0.53
2:2w:145:ARG:HE	2:2w:159:ASN:HD21	1.56	0.53
2:6v:145:ARG:HE	2:6v:159:ASN:HD21	1.55	0.53
2:7v:145:ARG:HE	2:7v:159:ASN:HD21	1.56	0.53
2:9M:150:GLU:CG	2:9J:145:ARG:HH12	2.21	0.53
2:9M:209:LEU:HD22	2:9J:209:LEU:HD11	1.91	0.53
1:2B:28:GLN:NE2	2:3k:52:LEU:CD1	2.71	0.53
1:2D:397:THR:HA	2:2Z:107:LEU:HB2	1.91	0.53
1:6A:208:GLY:O	1:6A:212:GLU:HG3	2.08	0.53
1:6C:380:ASP:OD1	1:6C:380:ASP:C	2.50	0.53
1:7D:28:GLN:OE1	2:6u:27:ILE:HD11	2.09	0.53
1:8C:88:LYS:O	1:8C:88:LYS:HG3	2.07	0.53
1:1H:445:GLY:HA2	2:1j:45:LYS:HG2	1.91	0.53
1:2G:356:PRO:CB	1:2G:369:PHE:CE2	2.91	0.53
1:3I:408:GLU:HG2	1:3I:437:ILE:CD1	2.38	0.53
1:5R:446:ALA:HB1	2:5j:56:ASN:CB	2.37	0.53
1:7K:355:SER:HB3	1:7K:356:PRO:HD3	1.89	0.53
1:9C:394:THR:OG1	2:9H:16:TYR:CE1	2.61	0.53
1:9C:407:ASN:HD21	2:9H:46:ASP:C	2.15	0.53
1:3S:202:GLU:O	1:3S:202:GLU:HG3	2.08	0.53
1:4W:314:ASN:OD1	1:4W:314:ASN:C	2.50	0.53
1:5W:203:PRO:O	1:5W:204:THR:CB	2.56	0.53
1:7R:385:TRP:O	2:7p:106:GLN:HG2	2.09	0.53
1:7T:412:LEU:HD12	1:7T:412:LEU:C	2.33	0.53
1:8W:448:ALA:C	2:8z:60:LEU:CG	2.81	0.53
1:6Z:448:ALA:O	2:6w:59:PRO:HA	2.08	0.53
1:6d:445:GLY:N	2:6u:44:VAL:HG21	2.24	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7X:28:GLN:HG2	2:6q:52:LEU:HD12	1.89	0.53
2:1e:239:THR:CA	2:1l:247:LYS:HB3	2.39	0.53
2:2c:206:VAL:HG21	2:3l:210:LEU:CA	2.37	0.53
2:2d:184:LEU:HA	2:3k:180:VAL:CG1	2.39	0.53
2:3e:145:ARG:HE	2:3e:159:ASN:HD21	1.55	0.53
2:3g:175:PHE:CD1	2:2x:171:GLN:NE2	2.76	0.53
2:3g:266:LEU:CD2	2:2x:266:LEU:HA	2.38	0.53
2:5f:222:LEU:CB	2:6v:226:ILE:HG22	2.39	0.53
2:7c:145:ARG:HE	2:7c:159:ASN:HD21	1.56	0.53
2:8g:157:LEU:HD12	2:9G:173:LEU:HB3	1.89	0.53
2:8h:125:ILE:HG12	2:7i:120:ILE:HD11	1.90	0.53
2:2g:174:LEU:HD11	2:3i:174:LEU:HD22	1.91	0.53
2:2g:228:ALA:HB1	2:3i:228:ALA:HB1	1.90	0.53
2:2h:242:LEU:HD12	2:3p:235:PRO:O	0.72	0.53
2:2h:242:LEU:HB2	2:3p:234:LEU:CD2	2.38	0.53
2:2i:266:LEU:CB	2:3o:266:LEU:HD22	2.35	0.53
2:3i:122:VAL:HG23	2:4g:127:ASP:OD1	2.07	0.53
2:4h:139:ASN:HA	2:3p:129:GLY:HA3	1.90	0.53
2:7h:41:TYR:CD1	2:7h:55:VAL:HG13	2.42	0.53
2:7h:269:LEU:HD21	2:8p:269:LEU:CG	2.26	0.53
2:8n:242:LEU:CD2	2:7n:245:VAL:CA	2.85	0.53
2:1n:239:THR:CA	2:2k:247:LYS:HB3	2.38	0.53
2:1n:244:GLY:CA	2:3n:242:LEU:CB	2.69	0.53
2:2j:222:LEU:HB2	2:1t:226:ILE:CB	2.37	0.53
2:2l:174:LEU:HD11	2:3m:174:LEU:HD22	1.91	0.53
2:2l:223:ARG:HG2	2:3m:228:ALA:CB	2.32	0.53
2:2l:228:ALA:HB1	2:3m:228:ALA:HB1	1.91	0.53
2:6n:246:LYS:CE	2:7p:240:THR:C	2.82	0.53
2:6o:125:ILE:HA	2:7j:120:ILE:HG13	1.90	0.53
2:7n:41:TYR:CD1	2:7n:55:VAL:HG13	2.42	0.53
2:7n:226:ILE:HD11	2:8r:226:ILE:CD1	2.29	0.53
2:8q:270:ILE:CG2	2:9H:251:VAL:CG2	2.83	0.53
2:8q:280:SER:O	2:9H:250:ALA:CA	2.55	0.53
2:8t:145:ARG:HE	2:8t:159:ASN:HD21	1.55	0.53
2:1s:154:ALA:HB1	2:3s:158[B]:ILE:HA	1.89	0.53
2:1s:232:TYR:CG	2:3s:232:TYR:HD2	2.27	0.53
2:1t:116:LYS:HG3	2:1t:117:GLU:OE1	2.07	0.53
2:2p:145:ARG:HE	2:2p:159:ASN:HD21	1.55	0.53
2:2p:175:PHE:HZ	2:3r:175:PHE:HZ	1.56	0.53
2:2r:203:ASN:HB3	2:3x:210:LEU:O	2.09	0.53
2:4l:247:LYS:HB3	2:3x:239:THR:O	2.08	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5l:41:TYR:OH	2:7p:111:VAL:HG11	2.09	0.53
2:6t:145:ARG:HE	2:6t:159:ASN:HD21	1.55	0.53
2:7r:171:GLN:NE2	2:9L:175:PHE:CD1	2.76	0.53
2:8y:145:ARG:HE	2:8y:159:ASN:HD21	1.55	0.53
2:9L:116:LYS:HA	2:9L:116:LYS:CE	2.22	0.53
2:3u:116:LYS:HG3	2:3u:117:GLU:OE1	2.07	0.53
2:3u:148[B]:ILE:HD11	2:4m:148[B]:ILE:CD1	2.36	0.53
2:5m:266:LEU:HD23	2:6w:265:ASP:CB	2.28	0.53
2:6w:239:THR:HA	2:7t:246:LYS:HB3	1.89	0.53
2:7w:231:PRO:HG3	2:9R:229:GLY:N	2.24	0.53
1:2B:356:PRO:CB	1:2B:369:PHE:CE2	2.91	0.53
1:7D:446:ALA:CA	2:7Z:44:VAL:HG22	2.38	0.53
1:1J:283:ASP:OD1	1:1J:283:ASP:C	2.51	0.53
1:1J:314:ASN:OD1	1:1J:314:ASN:C	2.49	0.53
1:3G:202:GLU:HG3	1:3G:202:GLU:O	2.08	0.53
1:5H:252:ASP:O	1:5H:253:ALA:C	2.51	0.53
1:5I:205:SER:OG	1:5I:206:SER:N	2.42	0.53
1:8H:444:GLY:N	2:8l:45:LYS:NZ	2.56	0.53
1:8L:442:ALA:O	2:8m:45:LYS:HE3	2.08	0.53
1:3P:269:ASN:OD1	1:3P:269:ASN:C	2.51	0.53
1:5N:252:ASP:O	1:5N:253:ALA:C	2.51	0.53
1:8M:24:ILE:O	1:8M:24:ILE:CG2	2.50	0.53
1:8P:202:GLU:HG2	1:8P:343:SER:HB2	1.90	0.53
1:3S:235:SER:O	1:3S:236:MET:HB2	2.09	0.53
1:4S:380:ASP:OD1	1:4S:380:ASP:C	2.51	0.53
1:5W:200:ILE:HG12	1:5W:342:VAL:O	2.09	0.53
1:5X:428:LEU:HD12	1:5X:428:LEU:O	2.08	0.53
1:7S:397:THR:CB	2:7o:107:LEU:HB2	2.38	0.53
1:8U:407:ASN:OD1	2:9L:45:LYS:HB2	2.08	0.53
1:1b:314:ASN:O	1:1b:314:ASN:CG	2.45	0.53
1:1c:355:SER:HB3	1:1c:356:PRO:HD3	1.91	0.53
1:2W:423:GLU:OE1	1:2W:423:GLU:N	2.34	0.53
1:8c:306:LEU:HD12	1:8c:306:LEU:C	2.33	0.53
2:1g:119:SER:HB3	2:2x:126:LYS:CG	2.38	0.53
2:2c:200:LEU:O	2:3l:197:GLN:HG2	2.04	0.53
2:2d:171:GLN:NE2	2:3k:175:PHE:CD1	2.76	0.53
2:2d:248:GLY:H	2:3k:279:ILE:HA	1.71	0.53
2:6f:236:ALA:N	2:7f:242:LEU:HD11	2.22	0.53
2:6g:200:LEU:HD22	2:7Z:196:LEU:HB3	1.91	0.53
2:6g:228:ALA:HB1	2:7Z:228:ALA:HB1	1.89	0.53
2:6g:242:LEU:O	2:7Z:234:LEU:HD22	1.93	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6h:131:THR:OG1	2:8j:140:THR:HA	2.08	0.53
2:7a:240:THR:C	2:6v:246:LYS:CE	2.82	0.53
2:7a:242:LEU:HD11	2:6v:236:ALA:CA	2.38	0.53
2:7b:26:ASP:C	2:9Q:73:VAL:HG21	2.34	0.53
2:7c:273:LEU:HD11	2:8j:273:LEU:HD13	1.90	0.53
2:8i:119:SER:HB3	2:7g:126:LYS:CG	2.38	0.53
2:9F:126:LYS:HG3	2:9O:119:SER:HB3	1.90	0.53
2:1i:122:VAL:H	2:2e:127:ASP:CG	2.16	0.53
2:2f:203:ASN:HB2	2:3j:212:GLY:CA	2.38	0.53
2:2i:214:PRO:CG	2:3o:225:MET:HG2	2.37	0.53
2:4h:122:VAL:HG23	2:3p:127:ASP:OD1	2.09	0.53
2:4h:247:LYS:HB3	2:3p:239:THR:O	2.08	0.53
2:5g:280:SER:HB2	2:6k:250:ALA:N	2.22	0.53
2:6i:145:ARG:HE	2:6i:159:ASN:HD21	1.55	0.53
2:6k:116:LYS:HG3	2:6k:117:GLU:OE1	2.07	0.53
2:6k:127:ASP:OD2	2:7e:121[A]:GLU:HB2	2.08	0.53
2:7h:171:GLN:NE2	2:8p:175:PHE:CD1	2.76	0.53
2:7h:231:PRO:CD	2:8p:229:GLY:N	2.71	0.53
2:8k:173:LEU:CB	2:9G:157:LEU:HD12	2.39	0.53
2:8m:120:ILE:O	2:9H:125:ILE:HA	2.09	0.53
2:1m:239:THR:CA	2:1t:247:LYS:HB3	2.39	0.53
2:2m:41:TYR:CD1	2:2m:55:VAL:HG13	2.42	0.53
2:2n:184:LEU:HD22	2:3s:184:LEU:HD11	1.91	0.53
2:3m:116:LYS:CA	2:3m:116:LYS:CE	2.86	0.53
2:4i:145:ARG:HE	2:4i:159:ASN:HD21	1.55	0.53
2:6m:254:SER:HB2	2:8u:266:LEU:CG	2.39	0.53
2:6o:57:MET:HB3	2:7j:61:ALA:HB1	1.89	0.53
2:7m:248:GLY:C	2:8v:280:SER:H	2.12	0.53
2:8q:180:VAL:CG1	2:9H:184:LEU:CA	2.66	0.53
2:8s:122:VAL:HG23	2:9I:127:ASP:OD1	2.08	0.53
2:1q:234:LEU:HD21	2:2o:242:LEU:CA	2.38	0.53
2:1s:200:LEU:N	2:3s:193:LYS:HE3	2.22	0.53
2:2o:223:ARG:HG2	2:1x:228:ALA:CB	2.33	0.53
2:2p:203:ASN:HB2	2:3r:212:GLY:CA	2.38	0.53
2:2q:227:GLY:O	2:4k:230:VAL:HG12	2.08	0.53
2:2q:269:LEU:HD22	2:3q:270:ILE:CG1	2.38	0.53
2:2r:242:LEU:HD13	2:3x:243:GLY:HA3	1.90	0.53
2:2s:184:LEU:HD22	2:3w:184:LEU:HD11	1.91	0.53
2:5k:266:LEU:CD2	2:6s:266:LEU:N	2.71	0.53
2:6q:269:LEU:HD21	2:9K:269:LEU:CG	2.38	0.53
2:7r:158[B]:ILE:HD13	2:9L:154:ALA:HB1	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8y:122:VAL:HG23	2:9J:127:ASP:OD1	2.08	0.53
2:9L:145:ARG:HE	2:9L:159:ASN:HD21	1.55	0.53
2:1v:226:ILE:HD13	2:3v:226:ILE:HD13	1.90	0.53
2:2v:157:LEU:HD12	2:3u:173:LEU:HB3	1.90	0.53
2:2v:223:ARG:N	2:3u:226:ILE:HD12	2.22	0.53
2:3v:145:ARG:HE	2:3v:159:ASN:HD21	1.55	0.53
2:5m:253:ALA:HA	2:7t:270:ILE:HD13	1.90	0.53
2:7w:256:ALA:CB	2:9R:263:VAL:CG2	2.66	0.53
2:9M:175:PHE:CD1	2:9J:171:GLN:CG	2.81	0.53
1:1C:200:ILE:CD1	1:1C:213:PHE:HD1	2.22	0.53
1:4A:314:ASN:OD1	1:4A:314:ASN:C	2.51	0.53
1:6C:91:ILE:HG22	1:6C:91:ILE:O	2.08	0.53
1:2G:245:GLU:OE1	1:2G:245:GLU:N	2.29	0.53
1:3K:355:SER:HB2	1:3K:356:PRO:CD	2.39	0.53
1:3K:440:ASN:OD1	1:3K:440:ASN:C	2.50	0.53
1:4L:445:GLY:HA2	2:4h:44:VAL:H	1.72	0.53
1:8K:306:LEU:HD12	1:8K:306:LEU:C	2.33	0.53
1:8L:228:GLN:OE1	1:8L:228:GLN:N	2.26	0.53
1:2L:404:VAL:O	2:2l:16:TYR:OH	2.26	0.53
1:3R:443:SER:HA	2:3m:56:ASN:ND2	2.23	0.53
1:4P:93:LEU:HD12	1:4P:93:LEU:O	2.08	0.53
1:6M:17:SER:OG	1:6M:18:TYR:N	2.41	0.53
1:7N:107:GLU:OE1	1:7N:107:GLU:CA	2.56	0.53
1:8O:88:LYS:HG3	1:8O:88:LYS:O	2.07	0.53
1:1T:448:ALA:CB	2:1r:41:TYR:CE1	2.60	0.53
1:3U:94:GLY:O	1:3U:95:ARG:HB3	2.09	0.53
1:6T:393:GLY:N	2:6s:107:LEU:HD11	2.23	0.53
1:6U:91:ILE:O	1:6U:91:ILE:HG22	2.08	0.53
1:7R:394:THR:HA	2:7p:16:TYR:HE1	1.74	0.53
1:8S:448:ALA:C	2:8w:60:LEU:H	2.16	0.53
1:1a:208:GLY:O	1:1a:212:GLU:HG3	2.08	0.53
1:1a:440:ASN:OD1	1:1a:440:ASN:C	2.50	0.53
1:5c:203:PRO:O	1:5c:204:THR:CB	2.56	0.53
1:5c:204:THR:HG1	1:5c:212:GLU:CD	2.08	0.53
1:8a:88:LYS:O	1:8a:88:LYS:HG3	2.07	0.53
1:8d:446:ALA:HA	2:9O:42:VAL:O	2.09	0.53
2:1h:247:LYS:HB3	2:1u:239:THR:CA	2.39	0.53
2:2c:145:ARG:HE	2:2c:159:ASN:HD21	1.55	0.53
2:2c:250:ALA:HA	2:4f:280:SER:O	2.08	0.53
2:3g:145:ARG:HE	2:3g:159:ASN:HD21	1.55	0.53
2:3h:136:LEU:HD11	2:2w:128:ALA:HB1	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:247:LYS:O	2:2w:239:THR:HB	1.63	0.53
2:5e:118:ILE:HG12	2:7Z:118:ILE:CD1	2.39	0.53
2:5e:246:LYS:N	2:7Z:242:LEU:HD23	2.13	0.53
2:5e:279:ILE:HG21	2:6g:272:VAL:CG1	2.38	0.53
2:5f:228:ALA:CB	2:6v:228:ALA:CB	2.86	0.53
2:6e:119:SER:HB3	2:8i:126:LYS:HG3	1.90	0.53
2:6f:227:GLY:CA	2:5h:223:ARG:HD3	2.32	0.53
2:6g:125:ILE:HA	2:7Z:120:ILE:HG13	1.90	0.53
2:6g:145:ARG:HE	2:6g:159:ASN:HD21	1.55	0.53
2:7a:239:THR:HA	2:6v:247:LYS:N	2.23	0.53
2:7b:126:LYS:HG3	2:9Q:119:SER:HB3	1.90	0.53
2:7c:250:ALA:CB	2:8j:281:LEU:C	2.82	0.53
2:1i:222:LEU:HB3	2:2e:226:ILE:CB	2.30	0.53
2:2e:158[B]:ILE:HD12	2:1p:154:ALA:HB1	1.89	0.53
2:2f:226:ILE:O	2:3j:223:ARG:CD	2.54	0.53
2:2g:227:GLY:O	2:4g:223:ARG:HD3	2.07	0.53
2:2g:269:LEU:HD22	2:3i:270:ILE:CG1	2.38	0.53
2:2h:145:ARG:HE	2:2h:159:ASN:HD21	1.55	0.53
2:2h:202:SER:H	2:3p:197:GLN:HE22	1.54	0.53
2:2i:184:LEU:HD22	2:3o:184:LEU:HD11	1.91	0.53
2:2i:196:LEU:HD13	2:3o:200:LEU:CD2	2.38	0.53
2:3j:145:ARG:HE	2:3j:159:ASN:HD21	1.55	0.53
2:6i:258:ASP:HA	2:8o:259:VAL:HG21	0.63	0.53
2:6j:246:LYS:CE	2:7k:240:THR:C	2.81	0.53
2:8k:232:TYR:HB3	2:9G:232:TYR:HB2	1.88	0.53
2:8o:119:SER:HB3	2:7l:126:LYS:CG	2.38	0.53
2:9G:145:ARG:HE	2:9G:159:ASN:HD21	1.56	0.53
2:1n:145:ARG:HE	2:1n:159:ASN:HD21	1.56	0.53
2:1o:151:ASN:ND2	2:3o:160:GLY:HA3	2.24	0.53
2:1o:281:LEU:O	2:3o:250:ALA:HB1	2.09	0.53
2:2j:246:LYS:CB	2:1t:239:THR:C	2.72	0.53
2:2m:196:LEU:HD23	2:3t:183:PHE:HZ	1.73	0.53
2:6m:158[B]:ILE:HG22	2:8u:149[B]:ILE:HG23	1.89	0.53
2:6o:116:LYS:CA	2:6o:116:LYS:CE	2.86	0.53
2:6p:145:ARG:HE	2:6p:159:ASN:HD21	1.55	0.53
2:7m:250:ALA:CB	2:8v:281:LEU:C	2.82	0.53
2:8q:177:ASP:OD1	2:9H:186:ALA:CB	2.56	0.53
2:1r:239:THR:CA	2:2p:247:LYS:HB3	2.39	0.53
2:1r:244:GLY:N	2:3r:242:LEU:HD13	2.24	0.53
2:1s:151:ASN:ND2	2:3s:160:GLY:HA3	2.24	0.53
2:2p:180:VAL:HG22	2:3r:183:PHE:CE2	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:223:ARG:HG2	2:3q:228:ALA:CB	2.32	0.53
2:2q:228:ALA:HB1	2:3q:228:ALA:HB1	1.91	0.53
2:2r:200:LEU:O	2:3x:197:GLN:HG2	2.04	0.53
2:2r:226:ILE:O	2:3x:223:ARG:HB2	2.08	0.53
2:2s:148[B]:ILE:CD1	2:1w:148[B]:ILE:HD13	2.39	0.53
2:2s:214:PRO:HD2	2:3w:225:MET:HG2	1.89	0.53
2:6r:230:VAL:C	2:7u:229:GLY:HA3	2.33	0.53
2:7r:234:LEU:CD1	2:9L:234:LEU:CD1	2.87	0.53
2:2v:210:LEU:CA	2:3u:206:VAL:HG11	2.13	0.53
2:5m:148[A]:ILE:CG2	2:6w:145:ARG:HG2	2.38	0.53
2:5n:242:LEU:CD2	2:7u:244:GLY:O	2.49	0.53
2:6x:266:LEU:HD21	2:9R:265:ASP:CB	2.38	0.53
2:7w:158[A]:ILE:HG12	2:9R:158[A]:ILE:HD11	1.91	0.53
2:7w:273:LEU:HD11	2:9R:273:LEU:HD13	1.90	0.53
2:9M:280:SER:O	2:9J:250:ALA:CA	2.55	0.53
1:1C:440:ASN:OD1	1:1C:440:ASN:C	2.50	0.53
1:3C:203:PRO:CG	1:3C:210:LEU:HA	2.38	0.53
1:6D:355:SER:HB3	1:6D:356:PRO:HD3	1.91	0.53
1:7D:30:ASP:OD1	1:7D:30:ASP:C	2.51	0.53
1:2I:26:ASN:HA	2:3i:52:LEU:HD12	1.91	0.53
1:2O:447:GLN:CD	2:2n:44:VAL:HG11	2.34	0.53
1:4Q:448:ALA:C	2:4i:41:TYR:CD2	2.87	0.53
1:4R:439:PRO:O	1:4R:440:ASN:CB	2.55	0.53
1:7L:296:ASP:OD1	1:7L:296:ASP:C	2.49	0.53
1:1U:200:ILE:HD12	1:1U:213:PHE:HD1	1.73	0.53
1:2Q:448:ALA:CB	2:2q:63:TRP:CZ2	2.91	0.53
1:5U:314:ASN:C	1:5U:314:ASN:OD1	2.49	0.53
1:6S:17:SER:OG	1:6S:18:TYR:N	2.41	0.53
1:6S:208:GLY:O	1:6S:212:GLU:HG3	2.08	0.53
1:9D:403:SER:C	2:9I:16:TYR:OH	2.52	0.53
1:5Z:252:ASP:O	1:5Z:253:ALA:C	2.51	0.53
2:2d:126:LYS:CG	2:1k:119:SER:HB3	2.38	0.53
2:5f:232:TYR:HD2	2:6v:232:TYR:CE1	2.27	0.53
2:6e:120:ILE:HD11	2:8i:120:ILE:HD12	1.89	0.53
2:6e:193:LYS:HE3	2:8i:199:LEU:O	2.09	0.53
2:6e:254:SER:HB2	2:8i:266:LEU:CG	2.39	0.53
2:6h:266:LEU:HD21	2:8j:265:ASP:HB3	1.91	0.53
2:6h:266:LEU:HD21	2:8j:265:ASP:CB	2.38	0.53
2:7a:145:ARG:HE	2:7a:159:ASN:HD21	1.56	0.53
2:7b:120:ILE:HG21	2:9Q:120:ILE:HD13	1.91	0.53
2:7b:266:LEU:HD21	2:9Q:254:SER:CB	2.39	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:262:ALA:CA	2:8j:263:VAL:HG22	2.38	0.53
2:9F:226:ILE:CD1	2:9O:222:LEU:C	2.76	0.53
2:1i:145:ARG:HE	2:1i:159:ASN:HD21	1.55	0.53
2:1j:244:GLY:CA	2:3j:242:LEU:CD1	2.87	0.53
2:2g:157:LEU:HD12	2:3i:173:LEU:HB3	1.90	0.53
2:3i:219:LYS:HE3	2:4g:225:MET:O	2.08	0.53
2:3i:269:LEU:CD1	2:4g:279:ILE:HD13	2.37	0.53
2:5g:99:VAL:HG11	2:7e:5:PHE:CD2	2.44	0.53
2:5g:266:LEU:CD2	2:6k:266:LEU:N	2.71	0.53
2:6k:57:MET:HB3	2:7e:61:ALA:HB1	1.89	0.53
2:6l:266:LEU:HD21	2:8p:265:ASP:CB	2.38	0.53
2:8k:127:ASP:OD1	2:9G:121[A]:GLU:HB2	2.08	0.53
2:8o:145:ARG:HE	2:8o:159:ASN:HD21	1.55	0.53
2:2k:227:GLY:HA3	2:3n:223:ARG:HH11	0.72	0.53
2:2n:214:PRO:CG	2:3s:225:MET:HG2	2.38	0.53
2:5i:266:LEU:CD2	2:6o:266:LEU:N	2.71	0.53
2:6n:145:ARG:HE	2:6n:159:ASN:HD21	1.55	0.53
2:6n:232:TYR:CE1	2:5l:232:TYR:HD2	2.27	0.53
2:6p:131:THR:OG1	2:8v:140:THR:HA	2.08	0.53
2:8s:222:LEU:C	2:9I:226:ILE:CD1	2.76	0.53
2:8s:223:ARG:HA	2:9I:226:ILE:CD1	2.38	0.53
2:1r:226:ILE:O	2:2p:223:ARG:CG	2.56	0.53
2:1r:247:LYS:H	2:3r:239:THR:C	2.16	0.53
2:2q:41:TYR:CD1	2:2q:55:VAL:HG13	2.42	0.53
2:2r:196:LEU:HD23	2:3x:183:PHE:HZ	1.73	0.53
2:2s:214:PRO:CG	2:3w:225:MET:HG2	2.37	0.53
2:5k:263:VAL:CG1	2:6s:254:SER:OG	2.40	0.53
2:6q:116:LYS:CA	2:6q:116:LYS:CE	2.86	0.53
2:6q:239:THR:HG22	2:7v:247:LYS:O	2.09	0.53
2:6r:232:TYR:CE1	2:5n:232:TYR:HD2	2.27	0.53
2:6r:244:GLY:HA3	2:7u:242:LEU:HB3	1.91	0.53
2:6t:266:LEU:HD21	2:9L:265:ASP:CB	2.38	0.53
2:7r:136:LEU:HD21	2:9L:125:ILE:HD13	1.91	0.53
2:8z:125:ILE:HG12	2:7x:120:ILE:HD11	1.90	0.53
2:8z:145:ARG:HE	2:8z:159:ASN:HD21	1.55	0.53
2:9K:254:SER:CB	2:7v:266:LEU:HD21	2.39	0.53
2:1w:129:GLY:HA3	2:3w:138:ILE:O	2.09	0.53
2:6u:164:ASN:OD1	2:9Q:176:SER:HB3	2.09	0.53
2:6u:258:ASP:CA	2:9Q:259:VAL:CG1	2.84	0.53
2:7w:136:LEU:HD21	2:9R:125:ILE:HD13	1.91	0.53
2:9J:145:ARG:HE	2:9J:159:ASN:HD21	1.56	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1C:208:GLY:O	1:1C:212:GLU:HG3	2.08	0.53
1:2B:128:LYS:NZ	1:2B:355:SER:O	2.38	0.53
1:3C:93:LEU:HD12	1:3C:93:LEU:C	2.34	0.53
1:3E:355:SER:HB2	1:3E:356:PRO:CD	2.39	0.53
1:5E:445:GLY:O	2:5e:44:VAL:CG2	2.56	0.53
1:8B:447:GLN:CD	2:8f:44:VAL:HG22	2.34	0.53
1:3I:93:LEU:HD12	1:3I:93:LEU:C	2.34	0.53
1:5L:448:ALA:HB2	2:5h:56:ASN:O	2.08	0.53
1:6G:110:TYR:O	1:6G:110:TYR:CG	2.61	0.53
1:8J:448:ALA:HB2	2:8o:41:TYR:CD2	2.43	0.53
1:1Q:207:THR:OG1	1:1R:355:SER:OG	1.71	0.53
1:1Q:355:SER:HB3	1:1Q:356:PRO:HD3	1.91	0.53
1:3O:362:LYS:HB2	1:3O:438:ARG:NH1	2.21	0.53
1:8Q:306:LEU:HD12	1:8Q:306:LEU:C	2.33	0.53
1:1T:130:LEU:HD12	1:1T:130:LEU:C	2.34	0.53
1:2P:28:GLN:HE22	2:1x:27:ILE:CD1	2.01	0.53
1:3X:135:ASN:OD1	1:3X:135:ASN:N	2.40	0.53
1:6T:130:LEU:HD12	1:6T:130:LEU:C	2.33	0.53
1:7P:444:GLY:HA3	2:7s:45:LYS:HE3	1.90	0.53
1:7S:107:GLU:OE1	1:7S:107:GLU:CA	2.56	0.53
1:8U:448:ALA:HA	2:9L:41:TYR:CE1	2.44	0.53
1:9D:268:PHE:CD1	1:9D:268:PHE:O	2.62	0.53
1:4Y:252:ASP:OD1	1:4Y:252:ASP:C	2.52	0.53
1:6Z:405:SER:HB2	2:6w:16:TYR:OH	2.08	0.53
1:8b:101:TYR:OH	1:8b:239:ARG:O	2.24	0.53
1:9E:268:PHE:O	1:9E:268:PHE:CD1	2.62	0.53
2:1f:244:GLY:N	2:3f:242:LEU:HD13	2.24	0.53
2:2a:145:ARG:HE	2:2a:159:ASN:HD21	1.56	0.53
2:2b:200:LEU:HD11	2:3e:200:LEU:HD22	1.91	0.53
2:3g:232:TYR:CD1	2:2x:232:TYR:CD2	2.96	0.53
2:3h:127:ASP:OD1	2:4n:122:VAL:HG23	2.09	0.53
2:4f:122:VAL:HG23	2:3l:127:ASP:OD1	2.09	0.53
2:5e:245:VAL:HG13	2:6g:245:VAL:HG23	1.90	0.53
2:5f:145:ARG:HE	2:5f:159:ASN:HD21	1.55	0.53
2:6e:58:TYR:HB3	2:8i:2:MET:CE	2.39	0.53
2:6e:239:THR:HG22	2:7g:247:LYS:O	2.09	0.53
2:7a:229:GLY:HA3	2:6v:230:VAL:C	2.34	0.53
2:7d:57:MET:CE	2:8f:111:VAL:HG22	2.39	0.53
2:8e:270:ILE:CG2	2:9F:251:VAL:CG2	2.83	0.53
2:8g:223:ARG:HG2	2:9G:228:ALA:CB	2.37	0.53
2:2g:212:GLY:CA	2:3i:203:ASN:CG	2.82	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3l:145:ARG:HE	2:3l:159:ASN:HD21	1.55	0.53
2:5g:118:ILE:HG12	2:7e:118:ILE:CD1	2.39	0.53
2:6j:209:LEU:HD21	2:7k:209:LEU:CD2	2.39	0.53
2:6j:226:ILE:HG22	2:5j:222:LEU:CB	2.38	0.53
2:6j:232:TYR:CE1	2:5j:232:TYR:HD2	2.27	0.53
2:7h:234:LEU:CD1	2:8p:234:LEU:CD1	2.87	0.53
2:8k:150:GLU:HG3	2:9G:141:PRO:HB2	1.90	0.53
2:8m:119:SER:HB3	2:9H:126:LYS:HG3	1.90	0.53
2:8m:122:VAL:HG23	2:9H:127:ASP:OD1	2.08	0.53
2:1n:244:GLY:N	2:3n:242:LEU:HD13	2.24	0.53
2:1o:232:TYR:CG	2:3o:232:TYR:HD2	2.27	0.53
2:2n:184:LEU:HA	2:3s:180:VAL:CG1	2.39	0.53
2:2n:259:VAL:HG11	2:1s:257:THR:C	2.33	0.53
2:7m:234:LEU:CD1	2:8v:234:LEU:CD1	2.87	0.53
2:8q:196:LEU:CD2	2:9H:183:PHE:CE1	2.83	0.53
2:2q:212:GLY:CA	2:3q:203:ASN:CG	2.82	0.53
2:5k:99:VAL:HG11	2:7o:5:PHE:CD2	2.43	0.53
2:5k:148[A]:ILE:CG2	2:6s:145:ARG:HG2	2.38	0.53
2:6t:278:ILE:HD13	2:7r:278:ILE:HG22	1.89	0.53
2:7r:231:PRO:HG3	2:9L:229:GLY:N	2.24	0.53
2:8w:237:ALA:CB	2:9I:246:LYS:CA	2.66	0.53
2:1u:247:LYS:HD3	2:2t:239:THR:CG2	2.30	0.53
2:4n:145:ARG:HE	2:4n:159:ASN:HD21	1.55	0.53
2:5m:154:ALA:HB1	2:6w:158[A]:ILE:HA	1.88	0.53
2:7u:145:ARG:HE	2:7u:159:ASN:HD21	1.55	0.53
1:1A:446:ALA:H	2:1e:44:VAL:H	1.56	0.53
1:2D:245:GLU:OE1	1:2D:245:GLU:N	2.27	0.53
1:3C:306:LEU:HD23	1:3C:306:LEU:C	2.33	0.53
1:7A:355:SER:HB3	1:7A:356:PRO:HD3	1.89	0.53
1:7A:393:GLY:CA	2:7d:15:ALA:HB3	2.37	0.53
1:7C:236:MET:HE2	1:7C:236:MET:HA	1.91	0.53
1:7C:445:GLY:N	2:7a:45:LYS:CE	2.70	0.53
1:9A:394:THR:OG1	1:9A:403:SER:O	2.27	0.53
1:3L:444:GLY:O	2:3i:44:VAL:CG2	2.57	0.53
1:6G:208:GLY:O	1:6G:212:GLU:HG3	2.08	0.53
1:7J:412:LEU:HD12	1:7J:412:LEU:C	2.33	0.53
1:8I:377:ASN:OD1	1:8I:377:ASN:C	2.51	0.53
1:3M:396:ILE:HG23	1:3M:396:ILE:O	2.08	0.53
1:3O:306:LEU:HD23	1:3O:306:LEU:C	2.33	0.53
1:4M:252:ASP:OD1	1:4M:252:ASP:C	2.52	0.53
1:5O:428:LEU:HD12	1:5O:428:LEU:C	2.33	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5R:445:GLY:N	2:5j:43:ALA:HA	2.24	0.53
1:6P:314:ASN:OD1	1:6P:314:ASN:C	2.50	0.53
1:8R:358:ILE:HG23	1:8R:358:ILE:O	2.09	0.53
1:1T:358:ILE:O	1:1T:358:ILE:HG23	2.08	0.53
1:1U:200:ILE:CD1	1:1U:213:PHE:HD1	2.22	0.53
1:1U:446:ALA:CA	2:1s:42:VAL:O	2.57	0.53
1:1V:355:SER:HB3	1:1V:356:PRO:HD3	1.91	0.53
1:3W:443:SER:HB3	2:3r:45:LYS:CE	2.37	0.53
1:7P:446:ALA:CB	2:7s:42:VAL:O	2.56	0.53
1:8S:448:ALA:O	2:8w:60:LEU:N	2.31	0.53
1:1a:200:ILE:HD12	1:1a:213:PHE:HD1	1.73	0.53
1:3Y:408:GLU:OE1	1:3Y:408:GLU:N	2.33	0.53
1:6b:355:SER:HB3	1:6b:356:PRO:HD3	1.91	0.53
1:7U:394:THR:HA	2:7x:16:TYR:HE1	1.74	0.53
1:8b:447:GLN:CD	2:9Q:44:VAL:HG22	2.32	0.53
2:1g:263:VAL:CG2	2:3g:256:ALA:HB1	2.00	0.53
2:1h:228:ALA:CB	2:2t:223:ARG:HG2	2.33	0.53
2:2b:111:VAL:HG13	2:3e:57:MET:HE2	1.91	0.53
2:2b:174:LEU:CD1	2:3e:174:LEU:HD22	2.39	0.53
2:2c:127:ASP:OD1	2:3l:121[A]:GLU:HA	2.09	0.53
2:2d:266:LEU:CB	2:3k:266:LEU:HD22	2.35	0.53
2:3g:234:LEU:HD11	2:2x:234:LEU:HD11	1.89	0.53
2:4f:139:ASN:HA	2:3l:129:GLY:HA3	1.89	0.53
2:6f:226:ILE:HG22	2:5h:222:LEU:CB	2.39	0.53
2:6g:127:ASP:OD2	2:7Z:121[A]:GLU:HB2	2.08	0.53
2:6g:228:ALA:N	2:7Z:223:ARG:CD	2.63	0.53
2:6h:148[B]:ILE:CD1	2:7c:148[B]:ILE:HD12	2.39	0.53
2:7a:209:LEU:CD2	2:6v:209:LEU:HD21	2.39	0.53
2:7b:28:ILE:HD12	2:9Q:99:VAL:CG1	2.33	0.53
2:7b:145:ARG:HE	2:7b:159:ASN:HD21	1.56	0.53
2:7c:231:PRO:HG3	2:8j:229:GLY:N	2.24	0.53
2:7d:228:ALA:CB	2:9P:228:ALA:HB2	2.38	0.53
2:7d:245:VAL:CA	2:9P:242:LEU:CD2	2.86	0.53
2:8e:176:SER:CB	2:9F:164:ASN:OD1	2.57	0.53
2:8g:130:ASP:N	2:8k:139:ASN:OD1	2.38	0.53
2:8h:200:LEU:CD2	2:7i:200:LEU:HD11	2.33	0.53
2:1i:234:LEU:HD21	2:2e:242:LEU:CA	2.38	0.53
2:1j:244:GLY:N	2:3j:242:LEU:HD13	2.24	0.53
2:1k:151:ASN:ND2	2:3k:160:GLY:HA3	2.24	0.53
2:2e:269:LEU:CD2	2:1p:270:ILE:HG12	2.38	0.53
2:3i:145:ARG:HE	2:3i:159:ASN:HD21	1.55	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3i:245:VAL:O	2:4g:237:ALA:HB1	2.08	0.53
2:5g:148[A]:ILE:CG2	2:6k:145:ARG:HG2	2.38	0.53
2:5g:266:LEU:HD23	2:6k:265:ASP:CB	2.28	0.53
2:5g:270:ILE:HD13	2:6k:251:VAL:HG23	1.89	0.53
2:6j:197:GLN:NE2	2:7k:200:LEU:O	2.33	0.53
2:6j:244:GLY:HA3	2:7k:242:LEU:HB3	1.91	0.53
2:6l:148[B]:ILE:CD1	2:7h:148[B]:ILE:HD12	2.39	0.53
2:8k:154:ALA:CB	2:9G:158[B]:ILE:HG23	2.39	0.53
2:8o:119:SER:HB3	2:7l:126:LYS:HG3	1.90	0.53
2:1m:122:VAL:H	2:2j:127:ASP:CG	2.16	0.53
2:2l:197:GLN:HE21	2:3m:201:VAL:CA	2.09	0.53
2:2n:126:LYS:CG	2:1s:119:SER:HB3	2.38	0.53
2:2n:145:ARG:HE	2:2n:159:ASN:HD21	1.55	0.53
2:3m:209:LEU:HD21	2:4i:209:LEU:HD23	1.90	0.53
2:3n:145:ARG:HE	2:3n:159:ASN:HD21	1.55	0.53
2:4i:97:TYR:CZ	2:4i:111:VAL:CB	2.82	0.53
2:6o:240:THR:C	2:7j:246:LYS:CE	2.79	0.53
2:1q:239:THR:CA	2:1x:247:LYS:HB3	2.39	0.53
2:2q:174:LEU:HD11	2:3q:174:LEU:HD22	1.91	0.53
2:2r:242:LEU:HB2	2:3x:234:LEU:CD2	2.38	0.53
2:2s:171:GLN:NE2	2:3w:175:PHE:CD1	2.76	0.53
2:2s:184:LEU:HA	2:3w:180:VAL:CG1	2.39	0.53
2:2s:259:VAL:HG11	2:1w:257:THR:C	2.33	0.53
2:3q:116:LYS:CA	2:3q:116:LYS:CE	2.85	0.53
2:3s:145:ARG:HE	2:3s:159:ASN:HD21	1.55	0.53
2:5k:253:ALA:HA	2:7o:270:ILE:HD13	1.90	0.53
2:6q:119:SER:HB3	2:9K:126:LYS:HG3	1.90	0.53
2:6q:258:ASP:CA	2:9K:259:VAL:CG1	2.84	0.53
2:6r:145:ARG:HE	2:6r:159:ASN:HD21	1.55	0.53
2:6s:242:LEU:O	2:7o:234:LEU:HD22	1.93	0.53
2:8w:173:LEU:CB	2:9I:157:LEU:HD12	2.39	0.53
2:8w:270:ILE:CG2	2:9I:251:VAL:CG2	2.83	0.53
2:8y:222:LEU:HD12	2:9J:226:ILE:HG22	1.80	0.53
2:1w:151:ASN:ND2	2:3w:160:GLY:HA3	2.24	0.53
2:5m:199:LEU:C	2:6w:193:LYS:HE3	2.33	0.53
2:5m:259:VAL:CG2	2:6w:258:ASP:CA	2.82	0.53
2:6u:158[B]:ILE:HG22	2:9Q:149[B]:ILE:HG23	1.89	0.53
2:6w:125:ILE:HA	2:7t:120:ILE:HG13	1.90	0.53
2:6w:225:MET:CE	2:7t:212:GLY:HA2	2.38	0.53
2:7w:250:ALA:CB	2:9R:281:LEU:C	2.82	0.53
1:3A:202:GLU:O	1:3A:202:GLU:HG3	2.08	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7C:444:GLY:C	2:7a:45:LYS:HZ2	2.17	0.53
1:9A:355:SER:HB3	1:9A:356:PRO:HD3	1.90	0.53
1:3G:408:GLU:OE1	1:3G:408:GLU:N	2.33	0.53
1:3I:306:LEU:C	1:3I:306:LEU:HD23	2.33	0.53
1:1N:130:LEU:HD12	1:1N:130:LEU:C	2.34	0.53
1:3M:202:GLU:O	1:3M:202:GLU:HG3	2.08	0.53
1:3P:380:ASP:OD1	1:3P:380:ASP:C	2.49	0.53
1:5P:217:MET:C	1:5P:217:MET:SD	2.92	0.53
1:8M:314:ASN:OD1	1:8M:314:ASN:C	2.51	0.53
1:2Q:356:PRO:HG2	1:2Q:369:PHE:CG	2.27	0.53
1:3U:93:LEU:C	1:3U:93:LEU:HD12	2.34	0.53
1:3U:423:GLU:OE1	1:3U:423:GLU:N	2.26	0.53
1:3V:269:ASN:OD1	1:3V:269:ASN:C	2.51	0.53
1:4X:447:GLN:HG2	2:4l:44:VAL:HG13	1.91	0.53
1:4X:447:GLN:HG3	2:4l:44:VAL:CG1	2.27	0.53
1:5X:443:SER:C	2:5l:44:VAL:HG21	2.27	0.53
1:6T:447:GLN:O	2:6s:41:TYR:HD1	1.92	0.53
1:9D:392:THR:CB	2:9I:46:ASP:OD2	2.56	0.53
1:9D:394:THR:OG1	1:9D:403:SER:O	2.27	0.53
1:9D:447:GLN:HA	2:9I:56:ASN:H	1.74	0.53
1:1c:207:THR:HG23	1:1d:355:SER:OG	2.08	0.53
1:7X:26:ASN:CG	2:6q:51:ASP:OD1	2.52	0.53
2:1e:247:LYS:HG2	2:2Z:239:THR:HG23	1.06	0.53
2:1f:226:ILE:HD13	2:3f:226:ILE:HD13	1.90	0.53
2:2b:184:LEU:HD23	2:3e:180:VAL:CG1	2.39	0.53
2:2c:196:LEU:HD23	2:3l:183:PHE:HZ	1.73	0.53
2:2d:184:LEU:HD22	2:3k:184:LEU:HD11	1.91	0.53
2:2d:196:LEU:HD13	2:3k:200:LEU:CD2	2.38	0.53
2:3e:219:LYS:HE3	2:4e:225:MET:O	2.08	0.53
2:4f:247:LYS:HB3	2:3l:239:THR:O	2.08	0.53
2:5e:118:ILE:HD11	2:7Z:118:ILE:HD11	1.89	0.53
2:6e:188:THR:OG1	2:8i:199:LEU:O	2.26	0.53
2:6f:38:ILE:HD11	2:6f:114:ARG:CZ	2.35	0.53
2:8e:139:ASN:OD1	2:9O:130:ASP:N	2.38	0.53
2:8e:174:LEU:HD13	2:9F:174:LEU:HD11	1.89	0.53
2:8j:116:LYS:CA	2:8j:116:LYS:CE	2.86	0.53
2:2e:232:TYR:CE2	2:1p:232:TYR:CE2	2.96	0.53
2:2f:57:MET:HE3	2:3j:61:ALA:HB1	1.91	0.53
2:2f:227:GLY:HA3	2:3j:223:ARG:HH11	0.72	0.53
2:2i:126:LYS:CG	2:1o:119:SER:HB3	2.38	0.53
2:2i:246:LYS:HD3	2:3o:239:THR:C	2.34	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:188:THR:OG1	2:8o:199:LEU:O	2.26	0.53
2:6i:239:THR:HG22	2:7l:247:LYS:O	2.09	0.53
2:7g:145:ARG:HE	2:7g:159:ASN:HD21	1.56	0.53
2:7h:251:VAL:CG2	2:8p:270:ILE:HD13	2.38	0.53
2:7h:265:ASP:CA	2:8p:266:LEU:HD21	2.39	0.53
2:8k:279:ILE:CD1	2:9G:269:LEU:HD12	2.39	0.53
2:8m:145:ARG:HE	2:8m:159:ASN:HD21	1.55	0.53
2:8m:263:VAL:HG21	2:8q:256:ALA:CA	2.38	0.53
2:8n:125:ILE:HG12	2:7n:120:ILE:HD11	1.90	0.53
2:2k:203:ASN:CG	2:3n:212:GLY:HA2	2.33	0.53
2:2l:184:LEU:HD23	2:3m:180:VAL:CG1	2.39	0.53
2:2n:148[B]:ILE:HD13	2:1s:148[B]:ILE:HD13	1.90	0.53
2:6m:116:LYS:CA	2:6m:116:LYS:CE	2.86	0.53
2:6n:230:VAL:C	2:7p:229:GLY:HA3	2.34	0.53
2:8q:154:ALA:CB	2:9H:158[B]:ILE:HG23	2.39	0.53
2:8s:119:SER:HB3	2:9I:126:LYS:HG3	1.90	0.53
2:2q:57:MET:CE	2:4k:111:VAL:HG21	2.39	0.53
2:4l:145:ARG:HE	2:4l:159:ASN:HD21	1.55	0.53
2:5k:199:LEU:C	2:6s:193:LYS:HE3	2.33	0.53
2:5k:245:VAL:HG13	2:6s:245:VAL:HG23	1.90	0.53
2:6q:247:LYS:H	2:9K:237:ALA:HB1	1.72	0.53
2:7p:145:ARG:HE	2:7p:159:ASN:HD21	1.55	0.53
2:8w:154:ALA:CB	2:9I:158[B]:ILE:HG23	2.39	0.53
2:8y:223:ARG:HA	2:9J:226:ILE:CD1	2.38	0.53
2:9K:253:ALA:HA	2:7v:270:ILE:HD13	1.87	0.53
2:1v:244:GLY:N	2:3v:242:LEU:HD13	2.24	0.53
2:1w:281:LEU:O	2:3w:250:ALA:HB1	2.09	0.53
2:2v:174:LEU:CD1	2:3u:174:LEU:HD22	2.39	0.53
2:2v:200:LEU:HD11	2:3u:200:LEU:HD22	1.91	0.53
2:2v:227:GLY:O	2:4m:230:VAL:HG12	2.08	0.53
2:5n:41:TYR:OH	2:7u:111:VAL:HG11	2.09	0.53
1:3C:408:GLU:HG2	1:3C:437:ILE:CD1	2.38	0.53
1:8E:306:LEU:HD12	1:8E:306:LEU:C	2.33	0.53
1:1I:200:ILE:CD1	1:1I:213:PHE:HD1	2.22	0.53
1:5I:314:ASN:OD1	1:5I:314:ASN:C	2.49	0.53
1:5K:200:ILE:HG12	1:5K:342:VAL:O	2.09	0.53
1:5L:428:LEU:HD12	1:5L:428:LEU:O	2.08	0.53
1:6G:442:ALA:HB3	2:6l:45:LYS:NZ	2.23	0.53
1:7H:236:MET:HA	1:7H:236:MET:HE2	1.91	0.53
1:1P:355:SER:HB3	1:1P:356:PRO:HD3	1.91	0.53
1:1Q:202:GLU:HG3	1:1Q:202:GLU:O	2.08	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1Q:207:THR:HG23	1:1R:355:SER:OG	2.08	0.53
1:2M:25:ARG:NE	2:4j:51:ASP:OD1	2.42	0.53
1:2M:393:GLY:O	2:2k:15:ALA:CB	2.52	0.53
1:5Q:448:ALA:C	2:5i:63:TRP:CZ2	2.87	0.53
1:7N:423:GLU:OE1	1:7N:423:GLU:N	2.35	0.53
1:9C:268:PHE:CD1	1:9C:268:PHE:O	2.62	0.53
1:1W:202:GLU:O	1:1W:202:GLU:HG3	2.09	0.53
1:3U:296:ASP:O	1:3U:297:LYS:HB3	2.08	0.53
1:5V:217:MET:C	1:5V:217:MET:SD	2.92	0.53
1:7S:397:THR:HA	2:7o:107:LEU:HB2	1.90	0.53
1:8W:306:LEU:HD12	1:8W:306:LEU:C	2.33	0.53
1:9D:355:SER:HB3	1:9D:356:PRO:HD3	1.90	0.53
1:1b:355:SER:HB3	1:1b:356:PRO:HD3	1.91	0.53
1:1c:202:GLU:HG3	1:1c:202:GLU:O	2.09	0.53
1:1c:212:GLU:HG3	1:1d:372:TYR:CE2	2.44	0.53
1:3Y:235:SER:O	1:3Y:236:MET:HB2	2.09	0.53
1:3a:93:LEU:C	1:3a:93:LEU:HD12	2.34	0.53
1:3a:203:PRO:CG	1:3a:210:LEU:HA	2.38	0.53
1:5b:217:MET:C	1:5b:217:MET:SD	2.92	0.53
1:5c:200:ILE:HG12	1:5c:342:VAL:O	2.09	0.53
1:6Z:393:GLY:HA3	2:6w:16:TYR:OH	2.09	0.53
1:8c:30:ASP:OD1	1:8c:30:ASP:C	2.52	0.53
2:1e:223:ARG:HA	2:2Z:226:ILE:CD1	2.35	0.53
2:1f:145:ARG:HE	2:1f:159:ASN:HD21	1.55	0.53
2:1g:151:ASN:ND2	2:3g:160:GLY:HA3	2.24	0.53
2:2b:157:LEU:HD12	2:3e:173:LEU:HB3	1.90	0.53
2:2b:239:THR:CG2	2:4e:247:LYS:O	2.47	0.53
2:2d:145:ARG:HE	2:2d:159:ASN:HD21	1.56	0.53
2:2d:148[B]:ILE:HD13	2:1k:148[B]:ILE:HD13	1.90	0.53
2:2d:259:VAL:HG23	2:3k:259:VAL:CG2	2.04	0.53
2:3g:180:VAL:CG1	2:2x:184:LEU:HA	2.39	0.53
2:3g:232:TYR:CD2	2:2x:232:TYR:HD2	2.04	0.53
2:6f:246:LYS:HB3	2:7f:239:THR:O	2.08	0.53
2:6f:247:LYS:HB3	2:7f:239:THR:HG23	1.91	0.53
2:7a:228:ALA:HA	2:6v:223:ARG:CD	2.39	0.53
2:7a:239:THR:HG23	2:6v:247:LYS:HB3	1.91	0.53
2:8g:145:ARG:HE	2:8g:159:ASN:HD21	1.55	0.53
2:9F:196:LEU:HD22	2:9O:183:PHE:HZ	1.73	0.53
2:9F:226:ILE:CD1	2:9O:223:ARG:HA	2.38	0.53
2:1i:239:THR:CA	2:1p:247:LYS:HB3	2.39	0.53
2:1j:125:ILE:HG12	2:2f:120:ILE:HD11	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:129:GLY:HA3	2:3k:138:ILE:O	2.09	0.53
2:1k:145:ARG:HE	2:1k:159:ASN:HD21	1.55	0.53
2:2e:219:LYS:HA	2:1p:226:ILE:HA	1.91	0.53
2:2g:120:ILE:HG21	2:4g:120:ILE:HD13	1.91	0.53
2:2g:184:LEU:HD23	2:3i:180:VAL:CG1	2.39	0.53
2:2h:200:LEU:O	2:3p:197:GLN:HG2	2.04	0.53
2:5g:266:LEU:HD13	2:6k:266:LEU:CA	2.32	0.53
2:5h:41:TYR:OH	2:7f:111:VAL:HG11	2.09	0.53
2:6i:116:LYS:CA	2:6i:116:LYS:CE	2.86	0.53
2:6j:247:LYS:HB3	2:7k:239:THR:HG23	1.91	0.53
2:6l:120:ILE:HD11	2:7h:120:ILE:HD13	0.58	0.53
2:7h:250:ALA:CB	2:8p:281:LEU:C	2.82	0.53
2:7h:266:LEU:CB	2:8p:266:LEU:HD13	2.39	0.53
2:8k:270:ILE:CG2	2:9G:251:VAL:CG2	2.83	0.53
2:1o:145:ARG:HE	2:1o:159:ASN:HD21	1.55	0.53
2:2k:57:MET:HE3	2:3n:61:ALA:HB1	1.91	0.53
2:5j:225:MET:SD	2:7k:209:LEU:CD1	2.97	0.53
2:6m:193:LYS:HE3	2:8u:199:LEU:O	2.09	0.53
2:7k:145:ARG:HE	2:7k:159:ASN:HD21	1.55	0.53
2:7m:136:LEU:HD21	2:8v:125:ILE:HD13	1.91	0.53
2:7m:231:PRO:HG3	2:8v:229:GLY:N	2.24	0.53
2:8s:210:LEU:HD23	2:9I:206:VAL:HG13	1.71	0.53
2:8u:120:ILE:HD13	2:7q:120:ILE:HG21	1.91	0.53
2:1q:120:ILE:HD13	2:2o:120:ILE:HD13	1.86	0.53
2:1r:226:ILE:HD13	2:3r:226:ILE:HD13	1.90	0.53
2:2r:226:ILE:HD12	2:3x:223:ARG:CA	2.25	0.53
2:6r:226:ILE:HG22	2:5n:222:LEU:CB	2.38	0.53
2:6r:246:LYS:CE	2:7u:240:THR:C	2.81	0.53
2:7s:27:ILE:CA	2:8x:73:VAL:HG11	2.37	0.53
2:8w:126:LYS:N	2:9I:120:ILE:O	2.40	0.53
2:8z:228:ALA:HB2	2:7x:228:ALA:CB	2.38	0.53
2:5m:266:LEU:CD2	2:6w:265:ASP:HB3	2.20	0.53
2:6u:58:TYR:HB3	2:9Q:2:MET:CE	2.39	0.53
2:6w:224:THR:O	2:7t:219:LYS:HE3	2.08	0.53
2:6w:242:LEU:O	2:7t:234:LEU:HD22	1.93	0.53
2:7w:171:GLN:NE2	2:9R:175:PHE:CD1	2.76	0.53
2:9M:173:LEU:CB	2:9J:157:LEU:HD12	2.39	0.53
1:1E:355:SER:HB3	1:1E:356:PRO:HD3	1.91	0.52
1:4E:444:GLY:HA2	2:4e:45:LYS:CE	2.39	0.52
1:6F:448:ALA:HB2	2:6e:58:TYR:H	1.73	0.52
1:7C:445:GLY:N	2:7a:45:LYS:HE3	2.21	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8A:314:ASN:OD1	1:8A:314:ASN:C	2.51	0.52
1:1J:355:SER:HB3	1:1J:356:PRO:HD3	1.91	0.52
1:1K:212:GLU:HG3	1:1L:372:TYR:CE2	2.44	0.52
1:1K:355:SER:HB3	1:1K:356:PRO:HD3	1.91	0.52
1:3G:396:ILE:HG23	1:3G:396:ILE:O	2.08	0.52
1:7I:392:THR:CB	2:7e:46:ASP:OD2	2.56	0.52
1:1O:200:ILE:CD1	1:1O:213:PHE:HD1	2.22	0.52
1:1P:283:ASP:OD1	1:1P:283:ASP:C	2.51	0.52
1:3R:306:LEU:HD23	1:3R:306:LEU:C	2.34	0.52
1:4Q:331:SER:OG	1:4Q:332:VAL:N	2.43	0.52
1:5M:355:SER:HB3	1:5M:356:PRO:HD3	1.92	0.52
1:2Q:395:ALA:CB	2:2q:107:LEU:HG	2.39	0.52
1:2R:394:THR:HA	2:2p:16:TYR:HE1	1.73	0.52
1:3U:443:SER:N	2:3t:45:LYS:NZ	2.40	0.52
1:3X:306:LEU:C	1:3X:306:LEU:HD23	2.34	0.52
1:4W:331:SER:OG	1:4W:332:VAL:N	2.42	0.52
1:4X:391:SER:OG	1:4X:392:THR:N	2.42	0.52
1:7S:28:GLN:OE1	2:6m:27:ILE:HD11	2.10	0.52
1:7T:448:ALA:HB1	2:7r:63:TRP:HE1	1.74	0.52
1:4d:443:SER:N	2:4n:56:ASN:HD21	2.08	0.52
1:7V:407:ASN:CB	2:7v:45:LYS:HG3	2.27	0.52
2:1f:239:THR:CA	2:2a:247:LYS:HB3	2.38	0.52
2:1f:247:LYS:HD3	2:3f:239:THR:CG2	2.13	0.52
2:1g:183:PHE:CG	2:3g:183:PHE:CZ	2.95	0.52
2:2Z:200:LEU:CD1	2:1l:200:LEU:CD1	2.75	0.52
2:2b:212:GLY:CA	2:3e:203:ASN:CG	2.82	0.52
2:2c:242:LEU:HD12	2:3l:235:PRO:N	2.25	0.52
2:3g:239:THR:C	2:2x:246:LYS:HD3	2.34	0.52
2:3h:210:LEU:O	2:2w:203:ASN:HB3	2.09	0.52
2:3h:239:THR:O	2:4n:247:LYS:HB3	2.08	0.52
2:5e:247:LYS:HB3	2:7Z:238:THR:O	2.09	0.52
2:5f:41:TYR:OH	2:7a:111:VAL:HG11	2.08	0.52
2:5f:239:THR:N	2:7a:247:LYS:CB	2.71	0.52
2:7b:247:LYS:O	2:6u:239:THR:HG22	2.09	0.52
2:8g:119:SER:HB3	2:9G:126:LYS:HG3	1.90	0.52
2:8g:222:LEU:HD12	2:9G:226:ILE:HG22	1.80	0.52
2:1k:199:LEU:O	2:3k:193:LYS:HE3	2.08	0.52
2:1k:281:LEU:O	2:3k:250:ALA:HB1	2.09	0.52
2:2f:240:THR:C	2:3j:246:LYS:CG	2.74	0.52
2:2g:174:LEU:CD1	2:3i:174:LEU:HD22	2.39	0.52
2:2g:246:LYS:HD3	2:3i:240:THR:N	2.24	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:28:ILE:HD11	2:3p:99:VAL:HA	1.91	0.52
2:2h:119:SER:CA	2:4h:124:ASP:O	2.58	0.52
2:2i:148[B]:ILE:CD1	2:1o:148[B]:ILE:HD13	2.39	0.52
2:2i:184:LEU:HA	2:3o:180:VAL:CG1	2.39	0.52
2:5g:118:ILE:HD11	2:7e:118:ILE:HD11	1.89	0.52
2:6j:230:VAL:C	2:7k:229:GLY:HA3	2.34	0.52
2:7e:145:ARG:HE	2:7e:159:ASN:HD21	1.55	0.52
2:7h:231:PRO:HG3	2:8p:229:GLY:N	2.24	0.52
2:8k:176:SER:CB	2:9G:164:ASN:OD1	2.57	0.52
2:8m:234:LEU:HD21	2:9H:243:GLY:N	2.17	0.52
2:8n:145:ARG:HE	2:8n:159:ASN:HD21	1.55	0.52
2:1o:129:GLY:HA3	2:3o:138:ILE:O	2.09	0.52
2:2j:219:LYS:HA	2:1t:226:ILE:HA	1.91	0.52
2:2k:145:ARG:HE	2:2k:159:ASN:HD21	1.55	0.52
2:2l:120:ILE:HG21	2:4i:120:ILE:HD13	1.91	0.52
2:2l:212:GLY:CA	2:3m:203:ASN:CG	2.82	0.52
2:2m:127:ASP:OD1	2:3t:121[A]:GLU:HA	2.09	0.52
2:2n:120:ILE:HG21	2:1s:120:ILE:HD13	1.91	0.52
2:2n:148[B]:ILE:CD1	2:1s:148[B]:ILE:HD13	2.39	0.52
2:2n:246:LYS:HD3	2:3s:239:THR:C	2.34	0.52
2:3m:145:ARG:HE	2:3m:159:ASN:HD21	1.56	0.52
2:5i:97:TYR:CZ	2:5i:111:VAL:CB	2.82	0.52
2:6m:164:ASN:OD1	2:8u:176:SER:HB3	2.09	0.52
2:6n:209:LEU:HD21	2:7p:209:LEU:CD2	2.39	0.52
2:6n:247:LYS:HB3	2:7p:239:THR:HG23	1.91	0.52
2:8q:279:ILE:CD1	2:9H:269:LEU:HD12	2.39	0.52
2:1t:145:ARG:HE	2:1t:159:ASN:HD21	1.55	0.52
2:2q:157:LEU:HD12	2:3q:173:LEU:HB3	1.90	0.52
2:2q:174:LEU:CD1	2:3q:174:LEU:HD22	2.39	0.52
2:2q:219:LYS:CA	2:3q:226:ILE:HA	2.39	0.52
2:5l:116:LYS:CA	2:5l:116:LYS:CE	2.85	0.52
2:5l:225:MET:SD	2:7p:209:LEU:CD1	2.97	0.52
2:5l:227:GLY:O	2:7p:223:ARG:HD3	2.09	0.52
2:8w:145:ARG:HE	2:8w:159:ASN:HD21	1.55	0.52
2:1v:125:ILE:HG12	2:2u:120:ILE:HD11	1.91	0.52
2:2v:212:GLY:CA	2:3u:203:ASN:CG	2.82	0.52
2:2w:248:GLY:HA3	2:4n:279:ILE:HG22	1.91	0.52
2:3w:145:ARG:HE	2:3w:159:ASN:HD21	1.55	0.52
2:5m:247:LYS:HB3	2:7t:238:THR:O	2.09	0.52
2:5n:227:GLY:O	2:7u:223:ARG:HD3	2.09	0.52
2:6u:145:ARG:HE	2:6u:159:ASN:HD21	1.56	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6u:193:LYS:HE3	2:9Q:199:LEU:O	2.09	0.52
2:9M:150:GLU:HG3	2:9J:141:PRO:HB2	1.90	0.52
2:9O:145:ARG:HE	2:9O:159:ASN:HD21	1.55	0.52
2:9Q:145:ARG:HE	2:9Q:159:ASN:HD21	1.55	0.52
2:9R:116:LYS:CA	2:9R:116:LYS:CE	2.86	0.52
1:1B:130:LEU:C	1:1B:130:LEU:HD12	2.34	0.52
1:1D:283:ASP:OD1	1:1D:283:ASP:C	2.51	0.52
1:1E:212:GLU:HG3	1:1F:372:TYR:CE2	2.44	0.52
1:2C:397:THR:HA	2:2a:107:LEU:HB2	1.91	0.52
1:8E:30:ASP:OD1	1:8E:30:ASP:C	2.52	0.52
1:9A:268:PHE:CD1	1:9A:268:PHE:O	2.62	0.52
1:4J:428:LEU:HD12	1:4J:428:LEU:C	2.34	0.52
1:5G:355:SER:HB3	1:5G:356:PRO:HD3	1.92	0.52
1:5L:447:GLN:HG2	2:5h:44:VAL:HG11	1.77	0.52
1:8G:217:MET:C	1:8G:217:MET:SD	2.93	0.52
1:8L:358:ILE:O	1:8L:358:ILE:HG23	2.09	0.52
1:3O:93:LEU:HD12	1:3O:93:LEU:C	2.34	0.52
1:3O:296:ASP:O	1:3O:297:LYS:HB3	2.08	0.52
1:3O:447:GLN:NE2	2:3p:56:ASN:ND2	2.41	0.52
1:7L:245:GLU:OE1	1:7L:245:GLU:N	2.31	0.52
1:7N:447:GLN:O	2:7j:55:VAL:CG1	2.56	0.52
1:8O:245:GLU:OE1	1:8O:245:GLU:N	2.30	0.52
1:8P:445:GLY:HA2	2:8u:45:LYS:HB2	1.91	0.52
1:2Q:245:GLU:OE1	1:2Q:245:GLU:N	2.29	0.52
1:3U:408:GLU:HG2	1:3U:437:ILE:CD1	2.38	0.52
1:4T:228:GLN:OE1	1:4T:228:GLN:N	2.27	0.52
1:5S:355:SER:HB3	1:5S:356:PRO:HD3	1.91	0.52
1:6W:200:ILE:O	1:6W:200:ILE:HG13	2.08	0.52
1:7P:355:SER:HB3	1:7P:356:PRO:HD3	1.89	0.52
1:7S:30:ASP:OD1	1:7S:30:ASP:C	2.51	0.52
1:7T:28:GLN:HG3	2:5l:52:LEU:CD1	2.33	0.52
1:1Z:130:LEU:HD12	1:1Z:130:LEU:C	2.34	0.52
1:1Z:358:ILE:O	1:1Z:358:ILE:HG23	2.08	0.52
1:1b:447:GLN:HG2	2:1x:60:LEU:CD1	2.39	0.52
1:3Z:354:VAL:O	1:3Z:354:VAL:CG1	2.54	0.52
1:3a:306:LEU:HD23	1:3a:306:LEU:C	2.33	0.52
1:4Y:314:ASN:OD1	1:4Y:314:ASN:C	2.51	0.52
1:6Z:130:LEU:C	1:6Z:130:LEU:HD12	2.33	0.52
1:7W:236:MET:HE2	1:7W:236:MET:HA	1.91	0.52
1:8Y:448:ALA:HB2	2:9M:57:MET:CE	2.16	0.52
1:8c:445:GLY:O	2:9P:45:LYS:N	2.42	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:281:LEU:O	2:3g:250:ALA:HB1	2.09	0.52
2:2Z:214:PRO:CG	2:1l:225:MET:O	2.55	0.52
2:2Z:232:TYR:CE2	2:1l:232:TYR:CE2	2.96	0.52
2:2Z:269:LEU:CD2	2:1l:270:ILE:HG12	2.38	0.52
2:2a:57:MET:HE3	2:3f:61:ALA:HB1	1.91	0.52
2:2a:203:ASN:HB2	2:3f:212:GLY:CA	2.38	0.52
2:2c:119:SER:CA	2:4f:124:ASP:O	2.58	0.52
2:3e:231:PRO:N	2:4e:229:GLY:CA	2.72	0.52
2:3g:116:LYS:CA	2:3g:116:LYS:CE	2.86	0.52
2:3h:183:PHE:HZ	2:2w:196:LEU:HD23	1.73	0.52
2:4f:145:ARG:HE	2:4f:159:ASN:HD21	1.55	0.52
2:6g:242:LEU:CB	2:7Z:234:LEU:HG	2.40	0.52
2:6h:277:GLY:O	2:8j:247:LYS:HG3	2.10	0.52
2:7c:266:LEU:CB	2:8j:266:LEU:HD13	2.39	0.52
2:8e:154:ALA:CB	2:9F:158[B]:ILE:HG23	2.39	0.52
2:8e:279:ILE:CD1	2:9F:269:LEU:HD12	2.39	0.52
2:8h:145:ARG:HE	2:8h:159:ASN:HD21	1.55	0.52
2:8h:228:ALA:HB2	2:7i:228:ALA:CB	2.38	0.52
2:1j:116:LYS:CA	2:1j:116:LYS:CE	2.85	0.52
2:2e:114:ARG:CD	2:1p:114:ARG:HB2	2.35	0.52
2:2i:59:PRO:O	2:3o:59:PRO:HG2	2.10	0.52
2:3i:259:VAL:HG22	2:4g:259:VAL:CG2	2.39	0.52
2:5g:259:VAL:CG2	2:6k:258:ASP:CA	2.82	0.52
2:5g:278:ILE:O	2:6k:248:GLY:CA	2.57	0.52
2:6i:119:SER:HB3	2:8o:126:LYS:HG3	1.90	0.52
2:8k:145:ARG:HE	2:8k:159:ASN:HD21	1.55	0.52
2:8p:145:ARG:HE	2:8p:159:ASN:HD21	1.55	0.52
2:1n:247:LYS:CB	2:3n:239:THR:HG22	2.39	0.52
2:2l:157:LEU:HD12	2:3m:173:LEU:HB3	1.90	0.52
2:2l:227:GLY:O	2:4i:223:ARG:HD3	2.07	0.52
2:2l:240:THR:O	2:4i:246:LYS:CE	2.57	0.52
2:2m:162:THR:OG1	2:4j:173:LEU:O	2.23	0.52
2:2m:203:ASN:HB3	2:3t:210:LEU:O	2.09	0.52
2:2m:248:GLY:HA3	2:4j:279:ILE:HG22	1.91	0.52
2:4j:122:VAL:HG23	2:3t:127:ASP:OD1	2.09	0.52
2:4j:139:ASN:HA	2:3t:129:GLY:HA3	1.89	0.52
2:6m:58:TYR:HB3	2:8u:2:MET:CE	2.39	0.52
2:6o:224:THR:O	2:7j:219:LYS:HE3	2.08	0.52
2:8q:150:GLU:HG3	2:9H:141:PRO:CB	2.40	0.52
2:8t:125:ILE:HG12	2:7s:120:ILE:HD11	1.90	0.52
2:8u:254:SER:CB	2:7q:266:LEU:HD21	2.39	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:57:MET:HB3	2:3s:61:ALA:HB3	1.92	0.52
2:5k:237:ALA:HB1	2:6s:247:LYS:H	1.72	0.52
2:6r:223:ARG:CD	2:7u:228:ALA:HA	2.39	0.52
2:6r:247:LYS:HB3	2:7u:239:THR:HG23	1.91	0.52
2:6s:127:ASP:OD2	2:7o:121[A]:GLU:HB2	2.08	0.52
2:7s:57:MET:CE	2:8x:111:VAL:HG22	2.39	0.52
2:8w:196:LEU:CD2	2:9I:183:PHE:CZ	2.77	0.52
2:8w:232:TYR:CE1	2:9I:232:TYR:C	2.83	0.52
2:8y:234:LEU:HD21	2:9J:243:GLY:N	2.17	0.52
2:8z:227:GLY:CA	2:7x:223:ARG:HD3	2.39	0.52
2:1w:232:TYR:CG	2:3w:232:TYR:HD2	2.27	0.52
2:1x:145:ARG:HE	2:1x:159:ASN:HD21	1.55	0.52
2:5m:245:VAL:HG13	2:6w:245:VAL:HG23	1.90	0.52
2:6u:188:THR:OG1	2:9Q:199:LEU:O	2.26	0.52
2:7w:234:LEU:CD1	2:9R:234:LEU:CD1	2.87	0.52
2:7x:59:PRO:HG3	2:9N:59:PRO:O	2.10	0.52
2:9M:154:ALA:CB	2:9J:158[B]:ILE:HG23	2.39	0.52
1:1D:355:SER:HB3	1:1D:356:PRO:HD3	1.91	0.52
1:1D:444:GLY:HA2	2:1h:44:VAL:HG21	1.91	0.52
1:2E:447:GLN:NE2	2:2d:44:VAL:HG11	2.24	0.52
1:8E:392:THR:HG22	2:8h:107:LEU:HD11	1.90	0.52
1:3G:235:SER:O	1:3G:236:MET:HB2	2.09	0.52
1:4H:228:GLN:OE1	1:4H:228:GLN:N	2.27	0.52
1:6L:448:ALA:HB2	2:6i:56:ASN:O	2.10	0.52
1:1Q:212:GLU:HG3	1:1R:372:TYR:CE2	2.44	0.52
1:2M:405:SER:O	2:2k:44:VAL:O	2.28	0.52
1:5Q:200:ILE:HG12	1:5Q:342:VAL:O	2.09	0.52
1:1V:447:GLN:CD	2:1t:60:LEU:HD11	2.33	0.52
1:2S:405:SER:O	2:2o:44:VAL:O	2.27	0.52
1:4V:93:LEU:HD12	1:4V:93:LEU:O	2.08	0.52
1:4W:447:GLN:CD	2:4k:60:LEU:HD11	2.34	0.52
1:6V:245:GLU:OE1	1:6V:245:GLU:N	2.24	0.52
1:7Q:446:ALA:HB2	2:7q:19:LEU:CD1	2.39	0.52
1:8T:391:SER:OG	1:8T:392:THR:N	2.42	0.52
1:1a:200:ILE:CD1	1:1a:213:PHE:HD1	2.22	0.52
1:1b:283:ASP:OD1	1:1b:283:ASP:C	2.51	0.52
1:1b:393:GLY:CA	2:1x:107:LEU:HD12	2.40	0.52
1:3a:94:GLY:O	1:3a:95:ARG:HB3	2.09	0.52
2:1e:38:ILE:HD11	2:1e:114:ARG:CZ	2.35	0.52
2:2Z:246:LYS:C	2:1l:238:THR:O	2.53	0.52
2:2b:196:LEU:CB	2:3e:200:LEU:HD23	2.39	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:228:ALA:HB1	2:3e:228:ALA:HB1	1.90	0.52
2:2b:232:TYR:CE2	2:3e:232:TYR:CE2	2.97	0.52
2:3g:59:PRO:HG2	2:2x:59:PRO:O	2.10	0.52
2:5e:97:TYR:CZ	2:5e:111:VAL:CB	2.82	0.52
2:5e:99:VAL:HG11	2:7Z:5:PHE:CD2	2.43	0.52
2:6f:209:LEU:HD21	2:7f:209:LEU:CD2	2.39	0.52
2:6f:232:TYR:CE1	2:5h:232:TYR:HD2	2.27	0.52
2:8g:120:ILE:O	2:9G:125:ILE:HA	2.09	0.52
2:9F:125:ILE:HA	2:9O:120:ILE:O	2.09	0.52
2:9F:127:ASP:OD1	2:9O:122:VAL:HG23	2.08	0.52
2:1j:239:THR:CA	2:2f:247:LYS:HB3	2.38	0.52
2:2g:232:TYR:CE2	2:3i:232:TYR:CE2	2.97	0.52
2:2h:242:LEU:HD12	2:3p:235:PRO:N	2.25	0.52
2:3i:231:PRO:N	2:4g:229:GLY:CA	2.72	0.52
2:6j:200:LEU:CD2	2:5j:200:LEU:CD1	2.72	0.52
2:8k:174:LEU:HD13	2:9G:174:LEU:HD11	1.89	0.52
2:8k:259:VAL:HG11	2:9G:259:VAL:HA	0.80	0.52
2:8o:120:ILE:HD13	2:7l:120:ILE:HG21	1.91	0.52
2:1o:245:VAL:HG21	2:3o:245:VAL:HG21	1.89	0.52
2:2m:200:LEU:CD1	2:3t:200:LEU:HD22	2.37	0.52
2:3m:232:TYR:HE2	2:4i:232:TYR:CZ	2.27	0.52
2:6m:188:THR:OG1	2:8u:199:LEU:O	2.26	0.52
2:6m:239:THR:HG22	2:7q:247:LYS:O	2.09	0.52
2:6o:226:ILE:O	2:7j:223:ARG:HG3	2.10	0.52
2:8q:126:LYS:N	2:9H:120:ILE:O	2.40	0.52
2:8q:176:SER:CB	2:9H:164:ASN:OD1	2.57	0.52
2:8q:270:ILE:HG23	2:9H:269:LEU:CD1	2.15	0.52
2:8s:120:ILE:O	2:9I:125:ILE:HA	2.09	0.52
2:8s:267:ASN:OD1	2:8w:253:ALA:C	2.51	0.52
2:8u:73:VAL:HG21	2:7q:26:ASP:C	2.34	0.52
2:2o:114:ARG:CD	2:1x:114:ARG:HB2	2.35	0.52
2:2p:57:MET:HE3	2:3r:61:ALA:HB1	1.91	0.52
2:2q:236:ALA:H	2:3q:242:LEU:CD1	2.03	0.52
2:2r:145:ARG:HE	2:2r:159:ASN:HD21	1.55	0.52
2:2s:120:ILE:HG21	2:1w:120:ILE:HD13	1.91	0.52
2:5k:279:ILE:HG21	2:6s:272:VAL:CG1	2.38	0.52
2:7o:145:ARG:HE	2:7o:159:ASN:HD21	1.55	0.52
2:7r:273:LEU:HD11	2:9L:273:LEU:HD13	1.90	0.52
2:8w:150:GLU:HG3	2:9I:141:PRO:CB	2.40	0.52
2:9K:120:ILE:HD13	2:7v:120:ILE:HG21	1.91	0.52
2:2v:219:LYS:CA	2:3u:226:ILE:HA	2.39	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2w:250:ALA:HA	2:4n:280:SER:O	2.08	0.52
2:3x:145:ARG:HE	2:3x:159:ASN:HD21	1.55	0.52
2:5m:118:ILE:HG12	2:7t:118:ILE:CD1	2.39	0.52
2:6x:266:LEU:HD21	2:9R:265:ASP:HB3	1.91	0.52
2:7w:140:THR:HA	2:9R:131:THR:OG1	2.10	0.52
2:9M:174:LEU:HD13	2:9J:174:LEU:HD11	1.89	0.52
1:1E:202:GLU:HG3	1:1E:202:GLU:O	2.09	0.52
1:7B:447:GLN:CG	2:7b:41:TYR:OH	2.53	0.52
1:8E:445:GLY:HA2	2:8h:45:LYS:HG2	1.92	0.52
1:1I:440:ASN:OD1	1:1I:440:ASN:C	2.50	0.52
1:4K:331:SER:OG	1:4K:332:VAL:N	2.43	0.52
1:5J:217:MET:C	1:5J:217:MET:SD	2.92	0.52
1:5L:447:GLN:HE21	2:5h:44:VAL:CG1	2.21	0.52
1:8I:88:LYS:O	1:8I:88:LYS:HG3	2.07	0.52
1:8J:252:ASP:OD1	1:8J:252:ASP:C	2.52	0.52
1:9B:394:THR:OG1	1:9B:403:SER:O	2.27	0.52
1:3R:448:ALA:N	2:3m:41:TYR:HD1	2.08	0.52
1:4O:409:ASP:OD1	1:4O:409:ASP:C	2.52	0.52
1:6Q:444:GLY:HA2	2:6n:45:LYS:HD2	1.92	0.52
1:7K:444:GLY:N	2:7n:45:LYS:HZ1	2.07	0.52
1:7N:245:GLU:OE1	1:7N:245:GLU:N	2.31	0.52
1:8M:217:MET:C	1:8M:217:MET:SD	2.93	0.52
1:1V:130:LEU:HD12	1:1V:130:LEU:C	2.35	0.52
1:1V:283:ASP:OD1	1:1V:283:ASP:C	2.51	0.52
1:1W:212:GLU:HG3	1:1X:372:TYR:CE2	2.44	0.52
1:2R:25:ARG:CZ	2:4I:51:ASP:CG	2.82	0.52
1:4U:110:TYR:O	1:4U:110:TYR:CG	2.63	0.52
1:5X:422:THR:CG2	1:5X:427:LYS:HG3	2.33	0.52
1:1c:358:ILE:HG23	1:1c:358:ILE:O	2.10	0.52
1:2Y:16:GLU:O	1:2Y:16:GLU:HG3	2.09	0.52
1:3Y:396:ILE:HG23	1:3Y:396:ILE:O	2.08	0.52
1:4c:314:ASN:OD1	1:4c:314:ASN:C	2.50	0.52
1:5Y:378:ALA:O	1:5Y:379:LYS:HB2	2.10	0.52
1:5Z:201:ASP:HB2	1:5Z:343:SER:HA	1.91	0.52
1:6Y:446:ALA:HB3	2:6x:55:VAL:HG13	1.91	0.52
1:6d:30:ASP:OD1	1:6d:30:ASP:C	2.48	0.52
2:1e:210:LEU:HD22	2:2Z:201:VAL:HG22	1.86	0.52
2:1g:259:VAL:HG21	2:3g:258:ASP:CA	2.35	0.52
2:1g:266:LEU:HD13	2:3g:266:LEU:HB2	1.91	0.52
2:1h:145:ARG:HE	2:1h:159:ASN:HD21	1.56	0.52
2:2b:148[B]:ILE:HD11	2:3e:148[B]:ILE:HD12	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:174:LEU:HD11	2:3e:174:LEU:HD22	1.91	0.52
2:2d:199:LEU:O	2:1k:188:THR:OG1	2.27	0.52
2:3f:97:TYR:CZ	2:3f:111:VAL:CB	2.82	0.52
2:3g:184:LEU:HD11	2:2x:184:LEU:HD22	1.91	0.52
2:3h:235:PRO:N	2:2w:242:LEU:HD12	2.25	0.52
2:5e:118:ILE:CD1	2:5e:118:ILE:N	2.73	0.52
2:6e:250:ALA:HB1	2:8i:280:SER:O	2.08	0.52
2:6f:244:GLY:HA3	2:7f:242:LEU:HB3	1.91	0.52
2:7d:223:ARG:HD3	2:9P:227:GLY:CA	2.39	0.52
2:8e:243:GLY:C	2:9F:234:LEU:CD2	2.68	0.52
2:8g:122:VAL:HG23	2:9G:127:ASP:OD1	2.08	0.52
2:1j:145:ARG:HE	2:1j:159:ASN:HD21	1.55	0.52
2:1k:148[A]:ILE:HG22	2:3k:145:ARG:HG2	1.92	0.52
2:1k:259:VAL:HG21	2:3k:258:ASP:CA	2.35	0.52
2:2f:175:PHE:HZ	2:3j:175:PHE:HZ	1.56	0.52
2:2g:240:THR:O	2:4g:246:LYS:CE	2.57	0.52
2:2h:248:GLY:HA3	2:4h:279:ILE:HG22	1.91	0.52
2:2k:180:VAL:HG22	2:3n:183:PHE:CE2	2.43	0.52
2:2l:114:ARG:HD2	2:3m:114:ARG:HB2	1.91	0.52
2:2l:174:LEU:CD1	2:3m:174:LEU:HD22	2.39	0.52
2:2l:227:GLY:O	2:4i:230:VAL:HG12	2.08	0.52
2:5i:118:ILE:HG12	2:7j:118:ILE:CD1	2.39	0.52
2:5i:270:ILE:HD13	2:6o:251:VAL:HG23	1.89	0.52
2:5i:273:LEU:HD12	2:6o:269:LEU:CD1	2.29	0.52
2:5j:41:TYR:OH	2:7k:111:VAL:HG11	2.08	0.52
2:7j:145:ARG:HE	2:7j:159:ASN:HD21	1.55	0.52
2:7m:266:LEU:CB	2:8v:266:LEU:HD13	2.39	0.52
2:7n:59:PRO:HG3	2:8r:59:PRO:O	2.09	0.52
2:8q:125:ILE:CG1	2:9H:120:ILE:HD11	2.28	0.52
2:8q:173:LEU:CB	2:9H:157:LEU:HD12	2.39	0.52
2:1r:145:ARG:HE	2:1r:159:ASN:HD21	1.56	0.52
2:1s:97:TYR:CZ	2:1s:111:VAL:CB	2.82	0.52
2:1s:148[A]:ILE:HG22	2:3s:145:ARG:HG2	1.92	0.52
2:2r:119:SER:CA	2:4l:124:ASP:O	2.57	0.52
2:2r:248:GLY:HA3	2:4l:279:ILE:HG22	1.92	0.52
2:2s:250:ALA:HA	2:3w:280:SER:O	2.10	0.52
2:6r:246:LYS:NZ	2:7u:240:THR:O	2.43	0.52
2:5m:99:VAL:HG11	2:7t:5:PHE:CD2	2.43	0.52
2:7w:234:LEU:CD1	2:9R:234:LEU:HD13	2.33	0.52
2:7w:266:LEU:CB	2:9R:266:LEU:HD13	2.39	0.52
1:1A:228:GLN:OE1	1:1A:228:GLN:N	2.29	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3A:396:ILE:O	1:3A:396:ILE:HG23	2.08	0.52
1:3C:362:LYS:HB2	1:3C:438:ARG:NH1	2.20	0.52
1:4F:447:GLN:HG3	2:4f:44:VAL:HG12	1.91	0.52
1:5D:217:MET:C	1:5D:217:MET:SD	2.92	0.52
1:5F:392:THR:HG22	2:5f:107:LEU:HD11	1.92	0.52
1:6A:17:SER:OG	1:6A:18:TYR:N	2.41	0.52
1:6A:314:ASN:OD1	1:6A:314:ASN:C	2.52	0.52
1:7E:287:SER:OG	1:7E:288:THR:N	2.43	0.52
1:8C:377:ASN:OD1	1:8C:377:ASN:C	2.51	0.52
1:3H:422:THR:O	1:3H:422:THR:HG22	2.07	0.52
1:4I:423:GLU:OE1	1:4I:423:GLU:N	2.30	0.52
1:4L:391:SER:OG	1:4L:392:THR:N	2.42	0.52
1:7G:447:GLN:NE2	2:7g:44:VAL:CG2	2.72	0.52
1:8K:30:ASP:OD1	1:8K:30:ASP:C	2.52	0.52
1:8L:446:ALA:HB2	2:8m:30:ILE:HD13	1.88	0.52
1:1P:130:LEU:HD12	1:1P:130:LEU:C	2.35	0.52
1:6O:130:LEU:C	1:6O:130:LEU:HD12	2.35	0.52
1:6R:228:GLN:OE1	1:6R:228:GLN:N	2.32	0.52
1:7L:447:GLN:HG2	2:7l:44:VAL:HG13	1.90	0.52
1:3U:306:LEU:HD23	1:3U:306:LEU:C	2.33	0.52
1:3U:447:GLN:HG2	2:3t:44:VAL:HG23	1.88	0.52
1:4V:428:LEU:HD12	1:4V:428:LEU:C	2.34	0.52
1:4W:446:ALA:O	2:4k:56:ASN:N	2.37	0.52
1:4X:446:ALA:O	2:4l:42:VAL:O	2.27	0.52
1:7P:448:ALA:O	2:7s:60:LEU:CG	2.57	0.52
1:7Q:446:ALA:CB	2:7q:19:LEU:HD12	2.39	0.52
1:8S:217:MET:C	1:8S:217:MET:SD	2.93	0.52
1:3b:269:ASN:OD1	1:3b:269:ASN:C	2.51	0.52
1:4a:110:TYR:O	1:4a:110:TYR:CG	2.63	0.52
1:6b:228:GLN:OE1	1:6b:228:GLN:N	2.27	0.52
1:7W:393:GLY:CA	2:7u:15:ALA:HB3	2.27	0.52
1:8a:447:GLN:HG2	2:9R:44:VAL:CG1	2.40	0.52
1:9E:394:THR:OG1	1:9E:403:SER:O	2.27	0.52
2:1g:120:ILE:HD13	2:2x:120:ILE:HG21	1.91	0.52
2:1g:145:ARG:HE	2:1g:159:ASN:HD21	1.55	0.52
2:1g:232:TYR:CG	2:3g:232:TYR:HD2	2.27	0.52
2:1h:232:TYR:CE2	2:2t:232:TYR:CE2	2.96	0.52
2:1h:270:ILE:HG12	2:2t:269:LEU:HD22	1.92	0.52
2:2d:250:ALA:HA	2:3k:280:SER:O	2.10	0.52
2:3e:269:LEU:CD1	2:4e:279:ILE:HD13	2.37	0.52
2:6e:258:ASP:CA	2:8i:259:VAL:CG1	2.84	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:223:ARG:CD	2:7f:228:ALA:HA	2.39	0.52
2:8e:141:PRO:HB3	2:9O:148[B]:ILE:HA	1.92	0.52
2:8e:209:LEU:HD22	2:9F:209:LEU:HD11	1.91	0.52
2:8i:118:ILE:CD1	2:8i:118:ILE:N	2.73	0.52
2:9F:280:SER:CB	2:9O:247:LYS:HE2	2.40	0.52
2:1k:149[B]:ILE:HG23	2:3k:158[B]:ILE:HG22	1.84	0.52
2:1k:263:VAL:HG22	2:3k:262:ALA:CB	2.22	0.52
2:2f:127:ASP:OD1	2:3j:122:VAL:N	2.39	0.52
2:2i:119:SER:CA	2:3o:124:ASP:O	2.58	0.52
2:3i:251:VAL:O	2:4g:274:LYS:NZ	2.43	0.52
2:5g:245:VAL:HG13	2:6k:245:VAL:HG23	1.90	0.52
2:5h:145:ARG:HE	2:5h:159:ASN:HD21	1.55	0.52
2:6i:99:VAL:HG12	2:8o:28:ILE:HD13	1.90	0.52
2:6j:118:ILE:CD1	2:6j:118:ILE:N	2.73	0.52
2:6k:116:LYS:CA	2:6k:116:LYS:CE	2.86	0.52
2:6k:200:LEU:HD22	2:7e:196:LEU:HB3	1.91	0.52
2:6k:226:ILE:CG2	2:7e:222:LEU:CG	2.87	0.52
2:8o:97:TYR:CZ	2:8o:111:VAL:CB	2.82	0.52
2:1m:234:LEU:CD2	2:2j:242:LEU:CB	2.48	0.52
2:2j:246:LYS:C	2:1t:238:THR:O	2.53	0.52
2:2k:127:ASP:OD1	2:3n:122:VAL:N	2.39	0.52
2:2k:175:PHE:HZ	2:3n:175:PHE:HZ	1.56	0.52
2:2l:223:ARG:HH12	2:3m:227:GLY:HA3	1.69	0.52
2:7m:265:ASP:CA	2:8v:266:LEU:HD21	2.39	0.52
2:8s:118:ILE:CD1	2:8s:118:ILE:N	2.73	0.52
2:1q:28:ILE:HG13	2:1x:73:VAL:CG1	2.40	0.52
2:2s:197:GLN:HE21	2:3w:201:VAL:HG22	1.75	0.52
2:6r:201:VAL:HA	2:5n:197:GLN:HE21	1.75	0.52
2:2v:57:MET:CE	2:4m:111:VAL:HG21	2.39	0.52
2:2v:228:ALA:HB1	2:3u:228:ALA:HB1	1.91	0.52
2:3u:231:PRO:N	2:4m:229:GLY:CA	2.72	0.52
2:6x:118:ILE:CD1	2:6x:118:ILE:N	2.73	0.52
1:3C:94:GLY:O	1:3C:95:ARG:HB3	2.09	0.52
1:5A:355:SER:HB3	1:5A:356:PRO:HD3	1.91	0.52
1:6B:130:LEU:HD12	1:6B:130:LEU:C	2.33	0.52
1:8C:445:GLY:C	2:8j:44:VAL:HG22	2.35	0.52
1:4H:397:THR:OG1	1:4H:399:ASP:OD1	2.28	0.52
1:5K:203:PRO:O	1:5K:204:THR:CB	2.56	0.52
1:5L:448:ALA:HB2	2:5h:57:MET:HA	1.91	0.52
1:8H:445:GLY:HA2	2:8l:45:LYS:H	1.75	0.52
1:9B:268:PHE:CD1	1:9B:268:PHE:O	2.62	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1M:205:SER:OG	1:1M:206:SER:N	2.43	0.52
1:1O:200:ILE:HD12	1:1O:213:PHE:HD1	1.73	0.52
1:3O:94:GLY:O	1:3O:95:ARG:HB3	2.09	0.52
1:6R:245:GLU:OE1	1:6R:245:GLU:N	2.28	0.52
1:7N:30:ASP:OD1	1:7N:30:ASP:C	2.51	0.52
1:6U:130:LEU:HD12	1:6U:130:LEU:C	2.35	0.52
1:3d:306:LEU:HD23	1:3d:306:LEU:C	2.34	0.52
1:4b:428:LEU:HD12	1:4b:428:LEU:C	2.34	0.52
1:5Y:355:SER:HB3	1:5Y:356:PRO:HD3	1.91	0.52
1:5a:314:ASN:OD1	1:5a:314:ASN:C	2.49	0.52
1:6Y:55:GLN:OE1	1:6Y:55:GLN:HA	2.09	0.52
1:8Y:217:MET:C	1:8Y:217:MET:SD	2.93	0.52
1:8b:447:GLN:O	2:9Q:42:VAL:HG12	2.09	0.52
2:1g:118:ILE:CD1	2:1g:118:ILE:N	2.73	0.52
2:2c:248:GLY:HA3	2:4f:279:ILE:HG22	1.91	0.52
2:2d:59:PRO:O	2:3k:59:PRO:HG2	2.10	0.52
2:2d:183:PHE:HZ	2:3k:196:LEU:HD22	1.74	0.52
2:2d:273:LEU:HD21	2:3k:273:LEU:HD13	1.92	0.52
2:3g:124:ASP:O	2:2x:119:SER:CA	2.58	0.52
2:3g:279:ILE:HG23	2:2x:273:LEU:HD23	1.80	0.52
2:3h:242:LEU:HD11	2:4n:244:GLY:HA3	1.89	0.52
2:5f:197:GLN:HE21	2:6v:201:VAL:HA	1.75	0.52
2:6e:164:ASN:OD1	2:8i:176:SER:HB3	2.09	0.52
2:6f:118:ILE:CD1	2:6f:118:ILE:N	2.73	0.52
2:6g:240:THR:C	2:7Z:246:LYS:CE	2.79	0.52
2:7a:242:LEU:HB3	2:6v:244:GLY:HA3	1.91	0.52
2:7d:28:ILE:HD11	2:8f:99:VAL:HG12	1.88	0.52
2:1i:111:VAL:CG2	2:2e:57:MET:CE	2.86	0.52
2:1j:226:ILE:HD13	2:3j:226:ILE:HD13	1.90	0.52
2:1k:184:LEU:HD11	2:3k:184:LEU:HD22	1.91	0.52
2:1k:200:LEU:N	2:3k:193:LYS:HE3	2.22	0.52
2:1k:232:TYR:CG	2:3k:232:TYR:HD2	2.27	0.52
2:2e:246:LYS:CB	2:1p:239:THR:C	2.71	0.52
2:2f:242:LEU:O	2:3j:234:LEU:HD23	2.03	0.52
2:2g:114:ARG:HD2	2:3i:114:ARG:HB2	1.91	0.52
2:2g:116:LYS:HG3	2:2g:117:GLU:HG3	1.92	0.52
2:5h:227:GLY:O	2:7f:223:ARG:HD3	2.09	0.52
2:7i:59:PRO:HG3	2:8l:59:PRO:O	2.10	0.52
2:8k:175:PHE:CZ	2:9G:175:PHE:HE2	2.24	0.52
2:8o:73:VAL:HG21	2:7l:26:ASP:C	2.34	0.52
2:1m:118:ILE:CD1	2:1m:118:ILE:N	2.73	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:200:LEU:HD11	2:2j:200:LEU:HD22	0.71	0.52
2:1o:199:LEU:O	2:3o:193:LYS:HE3	2.08	0.52
2:2j:223:ARG:CZ	2:1t:227:GLY:O	2.58	0.52
2:2l:111:VAL:HG13	2:3m:57:MET:HE2	1.91	0.52
2:2m:28:ILE:HD11	2:3t:99:VAL:HA	1.91	0.52
2:2m:128:ALA:HB1	2:3t:136:LEU:HD11	1.90	0.52
2:2m:145:ARG:HE	2:2m:159:ASN:HD21	1.56	0.52
2:5i:245:VAL:HG13	2:6o:245:VAL:HG23	1.90	0.52
2:5j:239:THR:N	2:7k:247:LYS:CB	2.71	0.52
2:2s:59:PRO:O	2:3w:59:PRO:HG2	2.10	0.52
2:2s:199:LEU:O	2:1w:188:THR:OG1	2.28	0.52
2:2s:246:LYS:HD3	2:3w:239:THR:C	2.34	0.52
2:5k:270:ILE:HD13	2:6s:251:VAL:HG23	1.89	0.52
2:6s:225:MET:HE2	2:7o:212:GLY:HA2	1.92	0.52
2:7o:116:LYS:HG3	2:7o:117:GLU:HG3	1.92	0.52
2:7s:116:LYS:HG3	2:7s:117:GLU:HG3	1.92	0.52
2:8w:176:SER:CB	2:9I:164:ASN:OD1	2.57	0.52
2:8w:279:ILE:CD1	2:9I:269:LEU:HD12	2.40	0.52
2:8y:120:ILE:O	2:9J:125:ILE:HA	2.09	0.52
2:1u:120:ILE:HD13	2:2t:120:ILE:HD13	1.86	0.52
2:1v:145:ARG:HE	2:1v:159:ASN:HD21	1.55	0.52
2:1w:154:ALA:HB1	2:3w:158[A]:ILE:HA	1.92	0.52
2:1w:259:VAL:HG21	2:3w:258:ASP:CA	2.35	0.52
2:2v:111:VAL:HG13	2:3u:57:MET:HE2	1.91	0.52
2:2v:184:LEU:HD23	2:3u:180:VAL:CG1	2.39	0.52
2:6w:242:LEU:CB	2:7t:234:LEU:HG	2.40	0.52
2:6x:277:GLY:O	2:9R:247:LYS:HG3	2.10	0.52
2:7t:116:LYS:HG3	2:7t:117:GLU:HG3	1.92	0.52
2:7t:145:ARG:HE	2:7t:159:ASN:HD21	1.55	0.52
2:7w:111:VAL:HG11	2:9R:41:TYR:OH	2.10	0.52
2:7w:145:ARG:HE	2:7w:159:ASN:HD21	1.56	0.52
2:7w:265:ASP:CA	2:9R:266:LEU:HD21	2.38	0.52
2:9P:145:ARG:HE	2:9P:159:ASN:HD21	1.55	0.52
1:5E:445:GLY:C	2:5e:44:VAL:CB	2.66	0.52
1:7D:205:SER:OG	1:7D:206:SER:N	2.42	0.52
1:7E:447:GLN:HG3	2:7c:60:LEU:HD11	1.91	0.52
1:1I:446:ALA:CA	2:1k:44:VAL:HG23	2.39	0.52
1:3L:306:LEU:HD23	1:3L:306:LEU:C	2.34	0.52
1:4G:252:ASP:OD1	1:4G:252:ASP:C	2.52	0.52
1:4G:314:ASN:OD1	1:4G:314:ASN:C	2.52	0.52
1:4I:409:ASP:C	1:4I:409:ASP:OD1	2.52	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6H:445:GLY:C	2:6k:44:VAL:CG2	2.72	0.52
1:6J:355:SER:HB3	1:6J:356:PRO:HD3	1.91	0.52
1:6L:30:ASP:OD1	1:6L:30:ASP:C	2.48	0.52
1:7J:393:GLY:HA3	2:7h:15:ALA:HB3	1.92	0.52
1:8I:396:ILE:O	1:8I:396:ILE:CG2	2.46	0.52
1:3Q:355:SER:HB2	1:3Q:356:PRO:CD	2.39	0.52
1:7L:355:SER:OG	1:7L:370:THR:N	2.39	0.52
1:7M:443:SER:C	2:7k:45:LYS:HZ2	2.07	0.52
1:8P:252:ASP:OD1	1:8P:252:ASP:C	2.52	0.52
1:1S:202:GLU:HG2	1:1S:343:SER:HB2	1.92	0.52
1:1S:205:SER:OG	1:1S:206:SER:N	2.43	0.52
1:1U:443:SER:C	2:1s:45:LYS:NZ	2.67	0.52
1:3U:252:ASP:C	1:3U:252:ASP:OD1	2.47	0.52
1:3W:355:SER:HB2	1:3W:356:PRO:CD	2.39	0.52
1:4S:252:ASP:OD1	1:4S:252:ASP:C	2.52	0.52
1:4V:252:ASP:C	1:4V:252:ASP:OD1	2.53	0.52
1:6S:55:GLN:OE1	1:6S:55:GLN:HA	2.09	0.52
1:6T:393:GLY:CA	2:6s:107:LEU:HD11	2.40	0.52
1:8S:314:ASN:OD1	1:8S:314:ASN:C	2.51	0.52
1:1b:447:GLN:HG2	2:1x:60:LEU:HD11	1.90	0.52
1:3Z:422:THR:HG22	1:3Z:422:THR:O	2.07	0.52
1:7Y:287:SER:OG	1:7Y:288:THR:N	2.43	0.52
1:9E:355:SER:HB3	1:9E:356:PRO:HD3	1.90	0.52
2:1e:222:LEU:CG	2:2Z:226:ILE:HG22	2.32	0.52
2:1f:226:ILE:O	2:2a:223:ARG:CG	2.56	0.52
2:1g:148[B]:ILE:HD13	2:2x:148[B]:ILE:CD1	2.39	0.52
2:1h:203:ASN:ND2	2:2t:212:GLY:CA	2.73	0.52
2:2Z:219:LYS:HA	2:1l:226:ILE:HA	1.91	0.52
2:2Z:223:ARG:CZ	2:1l:227:GLY:O	2.58	0.52
2:2c:203:ASN:HB3	2:3l:210:LEU:O	2.09	0.52
2:3g:273:LEU:HD13	2:2x:273:LEU:HD21	1.92	0.52
2:6e:249:ALA:O	2:8i:279:ILE:CG2	2.58	0.52
2:6f:232:TYR:CE1	2:5h:232:TYR:CD2	2.98	0.52
2:7c:111:VAL:HG11	2:8j:41:TYR:OH	2.10	0.52
2:7c:136:LEU:HD21	2:8j:125:ILE:HD13	1.91	0.52
2:7d:120:ILE:HD11	2:9P:125:ILE:HG12	1.90	0.52
2:8e:173:LEU:CB	2:9F:157:LEU:HD12	2.39	0.52
2:8i:145:ARG:HE	2:8i:159:ASN:HD21	1.55	0.52
2:8j:145:ARG:HE	2:8j:159:ASN:HD21	1.55	0.52
2:1i:28:ILE:HG13	2:1p:73:VAL:CG1	2.40	0.52
2:2g:197:GLN:HE21	2:3i:201:VAL:CA	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:145:ARG:HE	2:2i:159:ASN:HD21	1.56	0.52
2:5g:118:ILE:CD1	2:5g:118:ILE:N	2.73	0.52
2:6i:193:LYS:HE3	2:8o:199:LEU:O	2.09	0.52
2:6j:212:GLY:HA3	2:7k:203:ASN:HB2	1.92	0.52
2:6j:236:ALA:N	2:7k:242:LEU:HD11	2.22	0.52
2:2l:57:MET:CE	2:4i:111:VAL:HG21	2.39	0.52
2:2n:59:PRO:O	2:3s:59:PRO:HG2	2.10	0.52
2:2n:197:GLN:HE21	2:3s:201:VAL:HG22	1.75	0.52
2:6m:158[B]:ILE:HG23	2:8u:149[B]:ILE:HG23	1.92	0.52
2:6m:249:ALA:O	2:8u:279:ILE:CG2	2.58	0.52
2:6n:223:ARG:CD	2:7p:228:ALA:HA	2.39	0.52
2:6n:246:LYS:NZ	2:7p:240:THR:O	2.43	0.52
2:8q:209:LEU:HD22	2:9H:209:LEU:HD11	1.90	0.52
2:1q:228:ALA:CA	2:1x:229:GLY:O	2.40	0.52
2:2q:111:VAL:HG11	2:3q:41:TYR:OH	2.10	0.52
2:2r:127:ASP:OD1	2:3x:121[A]:GLU:HA	2.09	0.52
2:2s:145:ARG:HE	2:2s:159:ASN:HD21	1.56	0.52
2:3r:145:ARG:HE	2:3r:159:ASN:HD21	1.55	0.52
2:3t:145:ARG:HE	2:3t:159:ASN:HD21	1.55	0.52
2:5k:247:LYS:HB3	2:7o:238:THR:O	2.09	0.52
2:5l:239:THR:N	2:7p:247:LYS:CB	2.71	0.52
2:6q:58:TYR:HB3	2:9K:2:MET:CE	2.39	0.52
2:6s:232:TYR:HH	2:7o:232:TYR:HE2	1.55	0.52
2:8z:116:LYS:CA	2:8z:116:LYS:CE	2.85	0.52
2:1w:270:ILE:HG23	2:3w:251:VAL:CB	2.31	0.52
2:2v:240:THR:O	2:4m:246:LYS:CE	2.57	0.52
2:5n:145:ARG:HE	2:5n:159:ASN:HD21	1.55	0.52
2:6w:226:ILE:CG2	2:7t:222:LEU:HB2	2.34	0.52
2:7x:116:LYS:HG3	2:7x:117:GLU:HG3	1.92	0.52
2:9M:150:GLU:HG3	2:9J:141:PRO:CB	2.40	0.52
2:9M:176:SER:CB	2:9J:164:ASN:OD1	2.57	0.52
2:9R:145:ARG:HE	2:9R:159:ASN:HD21	1.55	0.52
1:1E:358:ILE:O	1:1E:358:ILE:HG23	2.10	0.52
1:8D:252:ASP:OD1	1:8D:252:ASP:C	2.52	0.52
1:8E:448:ALA:O	2:8h:60:LEU:CA	2.56	0.52
1:1G:202:GLU:HG2	1:1G:343:SER:HB2	1.92	0.52
1:1J:130:LEU:HD12	1:1J:130:LEU:C	2.35	0.52
1:5G:378:ALA:O	1:5G:379:LYS:HB2	2.10	0.52
1:6G:55:GLN:OE1	1:6G:55:GLN:HA	2.09	0.52
1:6H:443:SER:CA	2:6k:56:ASN:ND2	2.67	0.52
1:6K:200:ILE:O	1:6K:200:ILE:HG13	2.08	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9B:392:THR:HG23	2:9G:46:ASP:OD1	2.09	0.52
1:4N:228:GLN:OE1	1:4N:228:GLN:N	2.27	0.52
1:4N:397:THR:OG1	1:4N:399:ASP:OD1	2.28	0.52
1:2Q:446:ALA:HA	2:2q:42:VAL:O	2.10	0.52
1:3U:203:PRO:CG	1:3U:210:LEU:HA	2.38	0.52
1:3c:355:SER:HB2	1:3c:356:PRO:CD	2.39	0.52
1:4d:446:ALA:O	2:4n:42:VAL:O	2.28	0.52
1:5a:205:SER:OG	1:5a:206:SER:N	2.42	0.52
1:6Z:448:ALA:HB3	2:6w:57:MET:CE	2.39	0.52
1:6a:380:ASP:OD1	1:6a:380:ASP:C	2.50	0.52
2:1g:184:LEU:HD11	2:3g:184:LEU:HD22	1.91	0.52
2:2b:116:LYS:HG3	2:2b:117:GLU:HG3	1.92	0.52
2:3h:57:MET:C	2:4n:61:ALA:HB3	2.35	0.52
2:5e:154:ALA:CB	2:6g:158[B]:ILE:HA	2.40	0.52
2:5f:57:MET:HB3	2:7a:61:ALA:HB1	1.92	0.52
2:5f:232:TYR:CD2	2:6v:232:TYR:CE1	2.98	0.52
2:6f:201:VAL:HA	2:5h:197:GLN:HE21	1.75	0.52
2:7b:116:LYS:HG3	2:7b:117:GLU:HG3	1.92	0.52
2:7d:27:ILE:CA	2:8f:73:VAL:HG11	2.37	0.52
2:8h:227:GLY:CA	2:7i:223:ARG:HD3	2.39	0.52
2:8i:73:VAL:HG21	2:7g:26:ASP:C	2.34	0.52
2:2g:111:VAL:HG13	2:3i:57:MET:HE2	1.91	0.52
2:2g:200:LEU:HD11	2:3i:200:LEU:HD22	1.91	0.52
2:2h:203:ASN:HB3	2:3p:210:LEU:O	2.09	0.52
2:2i:259:VAL:HG11	2:1o:257:THR:C	2.33	0.52
2:3l:118:ILE:CD1	2:3l:118:ILE:N	2.73	0.52
2:5g:173:LEU:C	2:6k:167:LYS:HE3	2.35	0.52
2:5g:274:LYS:CE	2:6k:251:VAL:O	2.57	0.52
2:6i:164:ASN:OD1	2:8o:176:SER:HB3	2.09	0.52
2:6j:201:VAL:HA	2:5j:197:GLN:HE21	1.75	0.52
2:6l:118:ILE:CD1	2:6l:118:ILE:N	2.73	0.52
2:6l:266:LEU:HD21	2:8p:265:ASP:HB3	1.91	0.52
2:7i:57:MET:CE	2:8l:111:VAL:HG22	2.39	0.52
2:8k:150:GLU:HG3	2:9G:141:PRO:CB	2.40	0.52
2:1m:238:THR:O	2:1t:247:LYS:N	2.29	0.52
2:1n:200:LEU:HD11	2:3n:200:LEU:HD21	1.83	0.52
2:2l:200:LEU:HD11	2:3m:200:LEU:HD22	1.91	0.52
2:2l:246:LYS:CE	2:3m:240:THR:HA	2.40	0.52
2:2l:246:LYS:HD3	2:3m:240:THR:N	2.24	0.52
2:2l:247:LYS:CG	2:3m:280:SER:OG	2.43	0.52
2:2l:269:LEU:HD22	2:3m:270:ILE:CG1	2.38	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:242:LEU:HD12	2:3t:235:PRO:N	2.25	0.52
2:6m:99:VAL:HG12	2:8u:28:ILE:HD13	1.90	0.52
2:7m:254:SER:H	2:8v:267:ASN:ND2	2.05	0.52
2:8q:145:ARG:HE	2:8q:159:ASN:HD21	1.56	0.52
2:8q:274:LYS:CD	2:9H:251:VAL:HG13	2.40	0.52
2:8r:118:ILE:CD1	2:8r:118:ILE:N	2.73	0.52
2:8t:124:ASP:O	2:7s:119:SER:CA	2.58	0.52
2:1r:200:LEU:HD11	2:3r:200:LEU:HD21	1.83	0.52
2:1s:184:LEU:HD11	2:3s:184:LEU:HD22	1.91	0.52
2:2q:232:TYR:CE2	2:3q:232:TYR:CE2	2.97	0.52
2:2q:240:THR:O	2:4k:246:LYS:CE	2.57	0.52
2:2s:148[B]:ILE:HD13	2:1w:148[B]:ILE:HD13	1.90	0.52
2:2s:232:TYR:CD2	2:3w:232:TYR:CE1	2.84	0.52
2:4l:247:LYS:CE	2:3x:239:THR:CG2	2.88	0.52
2:5k:266:LEU:HD13	2:6s:266:LEU:CA	2.32	0.52
2:5l:239:THR:HA	2:7p:247:LYS:HB3	1.92	0.52
2:6q:193:LYS:HE3	2:9K:199:LEU:O	2.09	0.52
2:6q:254:SER:HB2	2:9K:266:LEU:CG	2.39	0.52
2:8w:173:LEU:HB2	2:9I:157:LEU:CD1	2.40	0.52
2:9K:73:VAL:HG21	2:7v:26:ASP:C	2.34	0.52
2:9K:145:ARG:HE	2:9K:159:ASN:HD21	1.55	0.52
2:1w:280:SER:CB	2:3w:249:ALA:C	2.83	0.52
2:2t:116:LYS:HG3	2:2t:117:GLU:HG3	1.92	0.52
2:2u:57:MET:HE3	2:3v:61:ALA:HB1	1.91	0.52
2:2v:174:LEU:HD11	2:3u:174:LEU:HD22	1.91	0.52
2:4m:118:ILE:CD1	2:4m:118:ILE:N	2.73	0.52
2:7w:116:LYS:HG3	2:7w:117:GLU:HG3	1.92	0.52
2:9M:175:PHE:HA	2:9J:171:GLN:HE21	1.75	0.52
1:1D:130:LEU:HD12	1:1D:130:LEU:C	2.35	0.52
1:4A:245:GLU:H	1:4A:245:GLU:CD	2.14	0.52
1:4B:387:VAL:O	1:4B:387:VAL:CG2	2.43	0.52
1:6A:55:GLN:HA	1:6A:55:GLN:OE1	2.09	0.52
1:6D:314:ASN:OD1	1:6D:314:ASN:C	2.50	0.52
1:8A:217:MET:C	1:8A:217:MET:SD	2.93	0.52
1:1K:202:GLU:O	1:1K:202:GLU:HG3	2.09	0.52
1:2H:423:GLU:OE1	1:2H:423:GLU:N	2.34	0.52
1:3I:203:PRO:CG	1:3I:210:LEU:HA	2.38	0.52
1:4J:252:ASP:OD1	1:4J:252:ASP:C	2.53	0.52
1:3M:235:SER:O	1:3M:236:MET:HB2	2.09	0.52
1:4P:428:LEU:C	1:4P:428:LEU:HD12	2.34	0.52
1:6M:55:GLN:OE1	1:6M:55:GLN:HA	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6P:355:SER:HB3	1:6P:356:PRO:HD3	1.91	0.52
1:8R:445:GLY:CA	2:8s:45:LYS:HB2	2.40	0.52
1:1Y:446:ALA:N	2:1u:44:VAL:HG23	2.25	0.52
1:1d:356:PRO:HG3	1:1d:369:PHE:CE2	2.24	0.52
1:5d:446:ALA:HA	2:5n:56:ASN:CA	2.39	0.52
1:7W:245:GLU:OE1	1:7W:245:GLU:N	2.26	0.52
1:7W:382:LYS:HE2	2:7u:101:GLU:OE1	2.10	0.52
2:1g:97:TYR:CZ	2:1g:111:VAL:CB	2.82	0.52
2:1h:226:ILE:HA	2:2t:219:LYS:HA	1.91	0.52
2:1h:226:ILE:CB	2:2t:222:LEU:HB2	2.38	0.52
2:2Z:212:GLY:CA	2:1l:203:ASN:ND2	2.73	0.52
2:2a:116:LYS:HG3	2:2a:117:GLU:HG3	1.92	0.52
2:2b:219:LYS:CA	2:3e:226:ILE:HA	2.39	0.52
2:2d:116:LYS:HG3	2:2d:117:GLU:HG3	1.92	0.52
2:3h:121[A]:GLU:HA	2:2w:127:ASP:OD1	2.09	0.52
2:5e:242:LEU:HD23	2:6g:246:LYS:HG3	1.92	0.52
2:5e:254:SER:HB3	2:7Z:266:LEU:HD23	1.92	0.52
2:5f:227:GLY:O	2:7a:223:ARG:HD3	2.09	0.52
2:6e:269:LEU:HD21	2:8i:269:LEU:CG	2.38	0.52
2:6f:228:ALA:CB	2:5h:228:ALA:CB	2.86	0.52
2:6g:226:ILE:CG2	2:7Z:222:LEU:CG	2.87	0.52
2:7c:234:LEU:CD1	2:8j:234:LEU:CD1	2.87	0.52
2:7d:120:ILE:HD13	2:8f:120:ILE:HD11	0.62	0.52
2:2g:148[B]:ILE:HD11	2:3i:148[B]:ILE:HD12	1.91	0.52
2:2g:196:LEU:CB	2:3i:200:LEU:HD23	2.39	0.52
2:2g:223:ARG:HH12	2:3i:227:GLY:HA3	1.68	0.52
2:2i:273:LEU:HD21	2:3o:273:LEU:HD13	1.92	0.52
2:5g:242:LEU:HD23	2:6k:246:LYS:HG3	1.92	0.52
2:5g:247:LYS:HB3	2:7e:238:THR:O	2.09	0.52
2:5g:254:SER:HB3	2:7e:266:LEU:HD23	1.92	0.52
2:6k:226:ILE:O	2:7e:223:ARG:HG3	2.10	0.52
2:7h:116:LYS:HG3	2:7h:117:GLU:HG3	1.92	0.52
2:8m:222:LEU:HB3	2:9H:226:ILE:CB	2.18	0.52
2:1o:38:ILE:HD11	2:1o:114:ARG:CZ	2.35	0.52
2:1o:57:MET:HB3	2:3o:61:ALA:HB3	1.92	0.52
2:1o:259:VAL:HG22	2:3o:259:VAL:HA	1.85	0.52
2:2l:219:LYS:CA	2:3m:226:ILE:HA	2.39	0.52
2:2m:119:SER:CA	2:4j:124:ASP:O	2.57	0.52
2:2n:250:ALA:HA	2:3s:280:SER:O	2.10	0.52
2:8q:173:LEU:HB2	2:9H:157:LEU:CD1	2.40	0.52
2:8t:227:GLY:CA	2:7s:223:ARG:HD3	2.39	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8u:118:ILE:CD1	2:8u:118:ILE:N	2.73	0.52
2:2o:219:LYS:HA	2:1x:226:ILE:HA	1.91	0.52
2:2p:116:LYS:HG3	2:2p:117:GLU:HG3	1.92	0.52
2:2q:111:VAL:HG13	2:3q:57:MET:HE2	1.91	0.52
2:2q:148[B]:ILE:HD11	2:3q:148[B]:ILE:HD12	1.91	0.52
2:2q:247:LYS:CG	2:3q:280:SER:OG	2.43	0.52
2:4l:61:ALA:HB3	2:3x:57:MET:CB	2.37	0.52
2:5k:270:ILE:HG23	2:6s:251:VAL:CG2	2.36	0.52
2:6q:164:ASN:OD1	2:9K:176:SER:HB3	2.09	0.52
2:6s:226:ILE:O	2:7o:223:ARG:HG3	2.10	0.52
2:8w:209:LEU:HD22	2:9l:209:LEU:HD11	1.91	0.52
2:8y:118:ILE:CD1	2:8y:118:ILE:N	2.73	0.52
2:1u:111:VAL:CG2	2:2t:57:MET:CE	2.85	0.52
2:5m:158[B]:ILE:HD11	2:6w:158[B]:ILE:HD11	1.92	0.52
2:5m:173:LEU:C	2:6w:167:LYS:HE3	2.35	0.52
2:5m:278:ILE:O	2:6w:248:GLY:CA	2.57	0.52
2:5m:279:ILE:HG21	2:6w:272:VAL:CG1	2.38	0.52
2:5n:57:MET:HB3	2:7u:61:ALA:HB1	1.92	0.52
2:6w:116:LYS:HA	2:6w:116:LYS:CE	2.22	0.52
2:6w:226:ILE:O	2:7t:223:ARG:HG3	2.10	0.52
2:6x:97:TYR:CZ	2:6x:111:VAL:CB	2.82	0.52
2:7u:116:LYS:HG3	2:7u:117:GLU:HG3	1.92	0.52
1:3C:448:ALA:CB	2:3h:41:TYR:HD2	2.03	0.52
1:3E:252:ASP:OD1	1:3E:252:ASP:C	2.53	0.52
1:3F:306:LEU:HD23	1:3F:306:LEU:C	2.34	0.52
1:4A:252:ASP:OD1	1:4A:252:ASP:C	2.52	0.52
1:4B:54:ASN:OD1	1:4B:54:ASN:C	2.53	0.52
1:4C:110:TYR:O	1:4C:110:TYR:CG	2.63	0.52
1:7C:443:SER:C	2:7a:45:LYS:HZ1	2.18	0.52
1:8C:252:ASP:OD1	1:8C:252:ASP:C	2.53	0.52
1:1H:130:LEU:HD12	1:1H:130:LEU:C	2.34	0.52
1:2I:443:SER:O	2:2e:45:LYS:HE3	2.07	0.52
1:6I:130:LEU:HD12	1:6I:130:LEU:C	2.35	0.52
1:6L:245:GLU:OE1	1:6L:245:GLU:N	2.28	0.52
1:7G:355:SER:OG	1:7G:370:THR:N	2.39	0.52
1:9B:392:THR:HG23	2:9G:46:ASP:OD2	2.11	0.52
1:1M:446:ALA:HA	2:1m:42:VAL:C	2.30	0.52
1:5Q:448:ALA:O	2:5i:63:TRP:CZ2	2.63	0.52
1:6R:446:ALA:C	2:6m:44:VAL:CG1	2.74	0.52
1:7L:445:GLY:HA2	2:7l:45:LYS:HB3	1.92	0.52
1:7L:446:ALA:CB	2:7l:19:LEU:HD12	2.39	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7M:236:MET:HE2	1:7M:236:MET:HA	1.91	0.52
1:8Q:30:ASP:OD1	1:8Q:30:ASP:C	2.52	0.52
1:2P:448:ALA:C	2:2r:60:LEU:HD12	2.35	0.52
1:5T:201:ASP:HB2	1:5T:343:SER:HA	1.92	0.52
1:8X:358:ILE:O	1:8X:358:ILE:HG23	2.09	0.52
1:1Y:205:SER:OG	1:1Y:206:SER:N	2.43	0.52
1:1Y:448:ALA:HB3	2:1u:63:TRP:NE1	2.24	0.52
1:1b:445:GLY:N	2:1x:44:VAL:HG22	2.23	0.52
1:6Y:110:TYR:O	1:6Y:110:TYR:CG	2.61	0.52
1:6Y:314:ASN:OD1	1:6Y:314:ASN:C	2.52	0.52
1:6Z:443:SER:O	2:6w:56:ASN:ND2	2.40	0.52
2:1e:110:LEU:N	2:1e:110:LEU:CD1	2.74	0.52
2:1g:175:PHE:CD1	2:3g:171:GLN:NE2	2.78	0.52
2:1g:200:LEU:O	2:3g:197:GLN:NE2	2.43	0.52
2:1h:116:LYS:CA	2:1h:116:LYS:CE	2.86	0.52
2:2b:114:ARG:HD2	2:3e:114:ARG:HB2	1.91	0.52
2:2b:120:ILE:HG21	2:4e:120:ILE:HD13	1.91	0.52
2:2b:200:LEU:HD22	2:4e:200:LEU:HD12	1.92	0.52
2:2b:246:LYS:CE	2:3e:240:THR:HA	2.40	0.52
2:2c:116:LYS:HG3	2:2c:117:GLU:HG3	1.92	0.52
2:3e:138:ILE:O	2:4e:129:GLY:HA3	2.10	0.52
2:3f:118:ILE:CD1	2:3f:118:ILE:N	2.73	0.52
2:4f:234:LEU:CD2	2:3l:242:LEU:CD1	2.88	0.52
2:4f:247:LYS:CE	2:3l:239:THR:CG2	2.88	0.52
2:6g:242:LEU:CA	2:7Z:244:GLY:HA3	2.40	0.52
2:7Z:145:ARG:HE	2:7Z:159:ASN:HD21	1.55	0.52
2:8h:124:ASP:O	2:7i:119:SER:CA	2.58	0.52
2:8i:110:LEU:N	2:8i:110:LEU:CD1	2.73	0.52
2:8i:120:ILE:HD13	2:7g:120:ILE:HG21	1.91	0.52
2:1j:227:GLY:O	2:2f:223:ARG:CD	2.53	0.52
2:1k:280:SER:CB	2:3k:249:ALA:C	2.83	0.52
2:2g:246:LYS:CE	2:3i:240:THR:HA	2.40	0.52
2:3i:138:ILE:O	2:4g:129:GLY:HA3	2.10	0.52
2:3i:273:LEU:CD2	2:4g:279:ILE:HG23	2.31	0.52
2:6k:240:THR:CA	2:7e:246:LYS:CD	2.85	0.52
2:6l:277:GLY:O	2:8p:247:LYS:HG3	2.10	0.52
2:8m:118:ILE:CD1	2:8m:118:ILE:N	2.73	0.52
2:1n:226:ILE:HD13	2:3n:226:ILE:HD13	1.90	0.52
2:5i:173:LEU:C	2:6o:167:LYS:HE3	2.35	0.52
2:5i:274:LYS:CE	2:6o:251:VAL:O	2.57	0.52
2:6m:269:LEU:HD21	2:8u:269:LEU:CG	2.38	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:110:LEU:N	2:6n:110:LEU:CD1	2.73	0.52
2:6n:228:ALA:CB	2:5l:228:ALA:CB	2.86	0.52
2:6n:248:GLY:O	2:7p:280:SER:OG	2.11	0.52
2:6p:266:LEU:HD21	2:8v:265:ASP:HB3	1.91	0.52
2:7j:116:LYS:HG3	2:7j:117:GLU:HG3	1.92	0.52
2:8q:200:LEU:N	2:9H:193:LYS:HG2	2.25	0.52
2:1s:175:PHE:CD1	2:3s:171:GLN:NE2	2.78	0.52
2:1t:116:LYS:CA	2:1t:116:LYS:CE	2.86	0.52
2:2o:246:LYS:CE	2:1x:240:THR:C	2.79	0.52
2:2q:200:LEU:HD11	2:3q:200:LEU:HD22	1.91	0.52
2:2q:244:GLY:HA2	2:3q:243:GLY:C	2.31	0.52
2:2r:242:LEU:HD12	2:3x:235:PRO:N	2.25	0.52
2:3q:116:LYS:HA	2:3q:116:LYS:CE	2.22	0.52
2:3q:232:TYR:HE2	2:4k:232:TYR:CZ	2.27	0.52
2:5k:184:LEU:HD21	2:6s:184:LEU:CD2	2.40	0.52
2:6q:158[B]:ILE:HG23	2:9K:149[B]:ILE:HG23	1.92	0.52
2:6r:212:GLY:HA3	2:7u:203:ASN:HB2	1.92	0.52
2:6s:125:ILE:HA	2:7o:120:ILE:HG13	1.90	0.52
2:6s:242:LEU:CB	2:7o:234:LEU:HG	2.40	0.52
2:7q:145:ARG:HE	2:7q:159:ASN:HD21	1.56	0.52
2:7s:59:PRO:HG3	2:8x:59:PRO:O	2.10	0.52
2:8w:274:LYS:CD	2:9I:251:VAL:HG13	2.40	0.52
2:2w:119:SER:CA	2:4n:124:ASP:O	2.58	0.52
2:5m:184:LEU:HD21	2:6w:184:LEU:CD2	2.40	0.52
2:6u:249:ALA:O	2:9Q:279:ILE:CG2	2.58	0.52
2:6w:225:MET:HE2	2:7t:212:GLY:HA2	1.92	0.52
2:6x:110:LEU:N	2:6x:110:LEU:CD1	2.73	0.52
2:9J:116:LYS:HG3	2:9J:117:GLU:HG3	1.92	0.52
1:3D:423:GLU:OE1	1:3D:423:GLU:N	2.35	0.51
1:5E:33:LYS:HG2	1:5E:33:LYS:O	2.10	0.51
1:5E:200:ILE:HG12	1:5E:342:VAL:O	2.09	0.51
1:7C:28:GLN:HG3	2:9P:52:LEU:HD11	1.88	0.51
1:7I:205:SER:OG	1:7I:206:SER:N	2.42	0.51
1:1M:202:GLU:HG2	1:1M:343:SER:HB2	1.92	0.51
1:1N:423:GLU:OE1	1:1N:423:GLU:N	2.32	0.51
1:1P:392:THR:OG1	1:1P:393:GLY:N	2.43	0.51
1:2M:443:SER:C	2:2k:45:LYS:HZ2	1.99	0.51
1:5N:201:ASP:HB2	1:5N:343:SER:HA	1.92	0.51
1:6O:380:ASP:OD1	1:6O:380:ASP:C	2.50	0.51
1:7M:201:ASP:O	1:7M:202:GLU:C	2.50	0.51
1:7O:28:GLN:HG3	2:5j:52:LEU:CD1	2.34	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1S:446:ALA:HB1	2:1q:19:LEU:HD12	1.91	0.51
1:5U:205:SER:OG	1:5U:206:SER:N	2.42	0.51
1:6S:447:GLN:HE22	2:6t:58:TYR:CB	2.14	0.51
1:7S:205:SER:OG	1:7S:206:SER:N	2.42	0.51
1:8V:101:TYR:OH	1:8V:239:ARG:O	2.24	0.51
1:8W:30:ASP:OD1	1:8W:30:ASP:C	2.52	0.51
1:1a:443:SER:C	2:1w:45:LYS:NZ	2.67	0.51
1:2Y:235:SER:O	1:2Y:236:MET:HB2	2.10	0.51
1:4c:392:THR:HG22	2:4m:16:TYR:CD1	2.45	0.51
1:8a:396:ILE:O	1:8a:396:ILE:CG2	2.46	0.51
1:8b:252:ASP:OD1	1:8b:252:ASP:C	2.52	0.51
2:1e:222:LEU:HB3	2:2Z:226:ILE:CB	2.29	0.51
2:1f:227:GLY:O	2:2a:223:ARG:CD	2.53	0.51
2:1f:244:GLY:CA	2:3f:242:LEU:CD1	2.87	0.51
2:1h:73:VAL:CG1	2:1u:28:ILE:HG13	2.40	0.51
2:2Z:269:LEU:HD22	2:1l:270:ILE:HG12	1.92	0.51
2:2b:246:LYS:HD3	2:3e:240:THR:N	2.24	0.51
2:2d:119:SER:CA	2:3k:124:ASP:O	2.58	0.51
2:2d:120:ILE:HG21	2:1k:120:ILE:HD13	1.91	0.51
2:2d:246:LYS:HD3	2:3k:239:THR:C	2.34	0.51
2:3h:242:LEU:CD1	2:4n:234:LEU:CD2	2.88	0.51
2:5e:184:LEU:HD21	2:6g:184:LEU:CD2	2.40	0.51
2:5f:225:MET:SD	2:7a:209:LEU:CD1	2.97	0.51
2:6g:242:LEU:CD1	2:7Z:235:PRO:CA	2.84	0.51
2:7a:203:ASN:HB2	2:6v:212:GLY:HA3	1.92	0.51
2:7c:158[A]:ILE:HG12	2:8j:158[A]:ILE:HD11	1.91	0.51
2:7d:57:MET:CE	2:8f:61:ALA:HB1	2.29	0.51
2:8g:110:LEU:N	2:8g:110:LEU:CD1	2.73	0.51
2:8h:116:LYS:CA	2:8h:116:LYS:CE	2.85	0.51
2:2i:120:ILE:HG21	2:1o:120:ILE:HD13	1.91	0.51
2:5h:57:MET:HB3	2:7f:61:ALA:HB1	1.92	0.51
2:5h:239:THR:N	2:7f:247:LYS:CB	2.71	0.51
2:6j:232:TYR:CE1	2:5j:232:TYR:CD2	2.98	0.51
2:6l:77:LEU:HD12	2:6l:110:LEU:HG	1.93	0.51
2:6l:145:ARG:HE	2:6l:159:ASN:HD21	1.55	0.51
2:7h:111:VAL:HG11	2:8p:41:TYR:OH	2.10	0.51
2:7h:254:SER:OG	2:8p:263:VAL:CG1	2.53	0.51
2:8k:173:LEU:HB2	2:9G:157:LEU:CD1	2.40	0.51
2:8k:209:LEU:HD22	2:9G:209:LEU:HD11	1.90	0.51
2:8l:110:LEU:N	2:8l:110:LEU:CD1	2.73	0.51
2:8n:239:THR:HG23	2:7n:247:LYS:CG	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:154:ALA:HB1	2:3o:158[A]:ILE:HA	1.92	0.51
2:2j:116:LYS:HG3	2:2j:117:GLU:HG3	1.92	0.51
2:2l:148[B]:ILE:HD11	2:3m:148[B]:ILE:HD12	1.91	0.51
2:3m:231:PRO:N	2:4i:229:GLY:CA	2.72	0.51
2:5i:242:LEU:HD23	2:6o:246:LYS:HG3	1.92	0.51
2:5i:247:LYS:HB3	2:7j:238:THR:O	2.09	0.51
2:6n:118:ILE:CD1	2:6n:118:ILE:N	2.73	0.51
2:7m:158[A]:ILE:HG12	2:8v:158[A]:ILE:HD11	1.91	0.51
2:7m:269:LEU:HD21	2:8v:269:LEU:CG	2.26	0.51
2:8q:270:ILE:HG21	2:9H:251:VAL:HG22	1.92	0.51
2:8t:242:LEU:CD2	2:7s:245:VAL:CA	2.85	0.51
2:1r:126:LYS:HB2	2:2p:119:SER:HB3	1.93	0.51
2:1s:110:LEU:N	2:1s:110:LEU:CD1	2.74	0.51
2:2o:246:LYS:C	2:1x:238:THR:O	2.53	0.51
2:2s:61:ALA:HB1	2:3w:57:MET:HB3	1.92	0.51
2:2s:158[B]:ILE:HA	2:3w:154:ALA:CB	2.41	0.51
2:4k:77:LEU:HD12	2:4k:110:LEU:HG	1.93	0.51
2:4k:110:LEU:N	2:4k:110:LEU:CD1	2.74	0.51
2:4l:122:VAL:HG23	2:3x:127:ASP:OD1	2.09	0.51
2:5k:118:ILE:HG12	2:7o:118:ILE:CD1	2.39	0.51
2:6r:232:TYR:CE1	2:5n:232:TYR:CD2	2.98	0.51
2:6s:242:LEU:CA	2:7o:244:GLY:HA3	2.40	0.51
2:7r:111:VAL:HG11	2:9L:41:TYR:OH	2.10	0.51
2:7s:57:MET:CE	2:8x:61:ALA:HB1	2.29	0.51
2:8y:247:LYS:HE2	2:9J:280:SER:CB	2.40	0.51
2:1v:116:LYS:CA	2:1v:116:LYS:CE	2.85	0.51
2:1v:200:LEU:HD13	2:3v:200:LEU:HD22	1.78	0.51
2:1w:200:LEU:N	2:3w:193:LYS:HE3	2.22	0.51
2:2v:114:ARG:HD2	2:3u:114:ARG:HB2	1.91	0.51
2:2v:196:LEU:CB	2:3u:200:LEU:HD23	2.39	0.51
2:2v:214:PRO:CG	2:3u:225:MET:HG3	2.32	0.51
2:2v:222:LEU:HD13	2:3u:226:ILE:HG21	1.89	0.51
2:3u:138:ILE:O	2:4m:129:GLY:HA3	2.10	0.51
2:5n:239:THR:HA	2:7u:247:LYS:HB3	1.92	0.51
2:6u:254:SER:HB3	2:9Q:266:LEU:HB3	1.92	0.51
2:6w:226:ILE:CG2	2:7t:222:LEU:CG	2.87	0.51
2:6w:242:LEU:CA	2:7t:244:GLY:HA3	2.40	0.51
1:1D:314:ASN:O	1:1D:314:ASN:CG	2.45	0.51
1:2E:16:GLU:O	1:2E:16:GLU:HG3	2.09	0.51
1:2E:377:ASN:OD1	1:2E:377:ASN:C	2.54	0.51
1:3D:269:ASN:OD1	1:3D:269:ASN:C	2.51	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4D:428:LEU:HD12	1:4D:428:LEU:C	2.34	0.51
1:7E:407:ASN:HD21	2:7c:45:LYS:HG3	1.74	0.51
1:3I:362:LYS:HB2	1:3I:438:ARG:NH1	2.21	0.51
1:3L:135:ASN:N	1:3L:135:ASN:OD1	2.40	0.51
1:8L:245:GLU:OE2	1:8L:245:GLU:N	2.28	0.51
1:4M:245:GLU:H	1:4M:245:GLU:CD	2.14	0.51
1:4O:110:TYR:O	1:4O:110:TYR:CG	2.63	0.51
1:6R:445:GLY:N	2:6m:44:VAL:HG23	2.25	0.51
1:1T:444:GLY:O	2:1r:44:VAL:HG21	2.06	0.51
1:4U:409:ASP:OD1	1:4U:409:ASP:C	2.52	0.51
1:8X:446:ALA:HB2	2:8y:19:LEU:HD12	1.85	0.51
1:4c:331:SER:OG	1:4c:332:VAL:N	2.43	0.51
1:8a:448:ALA:HA	2:9R:41:TYR:CD1	2.45	0.51
2:1f:125:ILE:HG12	2:2a:120:ILE:HD11	1.91	0.51
2:1g:263:VAL:HG22	2:3g:262:ALA:CB	2.22	0.51
2:2c:28:ILE:HD11	2:3l:99:VAL:HA	1.91	0.51
2:3f:77:LEU:HD12	2:3f:110:LEU:HG	1.92	0.51
2:3h:97:TYR:CZ	2:3h:111:VAL:CB	2.82	0.51
2:3h:99:VAL:HA	2:2w:28:ILE:HD11	1.91	0.51
2:5e:77:LEU:HD12	2:5e:110:LEU:HG	1.93	0.51
2:5e:148[A]:ILE:HG22	2:6g:145:ARG:HG2	1.93	0.51
2:6e:145:ARG:HE	2:6e:159:ASN:HD21	1.55	0.51
2:6g:225:MET:HE2	2:7Z:212:GLY:HA2	1.92	0.51
2:6g:226:ILE:CG2	2:7Z:222:LEU:HB2	2.34	0.51
2:8e:229:GLY:HA3	2:9F:231:PRO:CA	2.40	0.51
2:8g:247:LYS:CB	2:9G:239:THR:H	2.14	0.51
2:2e:246:LYS:C	2:1p:238:THR:O	2.53	0.51
2:2g:200:LEU:HD13	2:4g:200:LEU:HD13	1.93	0.51
2:2g:219:LYS:CA	2:3i:226:ILE:HA	2.39	0.51
2:2i:116:LYS:HG3	2:2i:117:GLU:HG3	1.92	0.51
2:4h:61:ALA:HB3	2:3p:57:MET:C	2.35	0.51
2:4h:234:LEU:CD2	2:3p:242:LEU:CD1	2.88	0.51
2:5g:154:ALA:CB	2:6k:158[B]:ILE:HA	2.40	0.51
2:6j:77:LEU:HD12	2:6j:110:LEU:HG	1.93	0.51
2:6j:228:ALA:CB	2:5j:228:ALA:CB	2.86	0.51
2:7h:158[A]:ILE:HG12	2:8p:158[A]:ILE:HD11	1.91	0.51
2:2l:116:LYS:HG3	2:2l:117:GLU:HG3	1.92	0.51
2:2l:222:LEU:HD13	2:3m:226:ILE:HG21	1.89	0.51
2:2n:183:PHE:HZ	2:3s:196:LEU:HD22	1.74	0.51
2:3p:97:TYR:CZ	2:3p:111:VAL:CB	2.82	0.51
2:4j:61:ALA:HB3	2:3t:57:MET:C	2.35	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:279:ILE:HG21	2:6o:272:VAL:CG1	2.38	0.51
2:6m:254:SER:HB3	2:8u:266:LEU:HB3	1.92	0.51
2:6o:225:MET:HE2	2:7j:212:GLY:HA2	1.92	0.51
2:6o:226:ILE:CG2	2:7j:222:LEU:CG	2.87	0.51
2:6o:242:LEU:CA	2:7j:244:GLY:HA3	2.40	0.51
2:6p:110:LEU:N	2:6p:110:LEU:CD1	2.73	0.51
2:6p:148[B]:ILE:CD1	2:7m:148[B]:ILE:HD12	2.39	0.51
2:8q:206:VAL:HG23	2:9H:212:GLY:HA2	1.85	0.51
2:1q:118:ILE:CD1	2:1q:118:ILE:N	2.73	0.51
2:1s:154:ALA:CB	2:3s:158[A]:ILE:HA	2.40	0.51
2:1s:199:LEU:O	2:3s:193:LYS:HE3	2.08	0.51
2:2q:120:ILE:HG21	2:4k:120:ILE:HD13	1.91	0.51
2:2r:127:ASP:OD1	2:3x:122:VAL:HG23	2.11	0.51
2:2r:202:SER:H	2:3x:197:GLN:HE22	1.54	0.51
2:3r:110:LEU:N	2:3r:110:LEU:CD1	2.73	0.51
2:5k:173:LEU:C	2:6s:167:LYS:HE3	2.35	0.51
2:6q:118:ILE:HG12	2:6q:118:ILE:O	2.11	0.51
2:6s:226:ILE:CG2	2:7o:222:LEU:CG	2.88	0.51
2:6s:226:ILE:CG2	2:7o:222:LEU:HB2	2.34	0.51
2:6t:77:LEU:HD12	2:6t:110:LEU:HG	1.93	0.51
2:7r:250:ALA:CB	2:9L:281:LEU:C	2.82	0.51
2:8y:148[B]:ILE:HA	2:9M:141:PRO:HB3	1.92	0.51
2:8y:222:LEU:CD1	2:9J:226:ILE:CG2	2.60	0.51
2:1v:239:THR:CA	2:2u:247:LYS:HB3	2.38	0.51
2:1w:57:MET:HB3	2:3w:61:ALA:HB3	1.92	0.51
2:1w:175:PHE:HE1	2:3w:184:LEU:HB3	1.75	0.51
2:2v:111:VAL:HG11	2:3u:41:TYR:OH	2.10	0.51
2:2v:148[B]:ILE:HD11	2:3u:148[B]:ILE:HD12	1.91	0.51
2:4m:97:TYR:CZ	2:4m:111:VAL:CB	2.82	0.51
2:6u:119:SER:HB3	2:9Q:126:LYS:HG3	1.90	0.51
2:9O:118:ILE:CD1	2:9O:118:ILE:N	2.73	0.51
1:1A:356:PRO:HG3	1:1A:369:PHE:HA	1.93	0.51
1:1D:27:SER:OG	1:1D:28:GLN:N	2.43	0.51
1:4B:397:THR:OG1	1:4B:399:ASP:OD1	2.28	0.51
1:4E:67:ASP:O	1:4E:68:ARG:HB2	2.10	0.51
1:6C:130:LEU:C	1:6C:130:LEU:HD12	2.35	0.51
1:7F:266:LYS:O	1:7F:266:LYS:HG2	2.11	0.51
1:7I:30:ASP:OD1	1:7I:30:ASP:C	2.51	0.51
1:8H:447:GLN:HG2	2:8I:44:VAL:HG23	1.88	0.51
1:8J:392:THR:CG2	2:8o:107:LEU:HG	2.38	0.51
1:2M:448:ALA:HB3	2:2k:41:TYR:CD1	2.44	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3O:443:SER:C	2:3p:45:LYS:HZ2	2.18	0.51
1:4R:447:GLN:HG3	2:4j:44:VAL:HG12	1.91	0.51
1:7M:395:ALA:HB3	2:7k:107:LEU:CG	2.40	0.51
1:1U:245:GLU:OE1	1:1U:245:GLU:N	2.24	0.51
1:7R:25:ARG:NH2	2:8t:51:ASP:OD1	2.34	0.51
1:7R:236:MET:HA	1:7R:236:MET:HE2	1.91	0.51
1:9D:392:THR:CG2	2:9I:46:ASP:CB	2.78	0.51
1:3b:245:GLU:OE1	1:3b:245:GLU:N	2.28	0.51
1:3d:252:ASP:O	1:3d:252:ASP:CG	2.54	0.51
1:7X:423:GLU:OE1	1:7X:423:GLU:N	2.35	0.51
1:8a:448:ALA:HB2	2:9R:57:MET:HA	1.91	0.51
1:8c:245:GLU:H	1:8c:245:GLU:CD	2.17	0.51
2:1g:129:GLY:HA3	2:3g:138:ILE:O	2.09	0.51
2:2a:120:ILE:CD1	2:3f:120:ILE:CD1	2.61	0.51
2:2b:240:THR:O	2:4e:246:LYS:CE	2.57	0.51
2:3h:239:THR:CG2	2:4n:247:LYS:CE	2.89	0.51
2:4e:110:LEU:N	2:4e:110:LEU:CD1	2.74	0.51
2:5e:278:ILE:O	2:6g:248:GLY:CA	2.57	0.51
2:6f:246:LYS:CE	2:7f:240:THR:C	2.82	0.51
2:6h:77:LEU:HD12	2:6h:110:LEU:HG	1.93	0.51
2:7c:259:VAL:N	2:8j:259:VAL:CG1	2.73	0.51
2:7d:247:LYS:CG	2:9P:239:THR:HG23	2.40	0.51
2:8g:148[B]:ILE:HA	2:8k:141:PRO:HB3	1.92	0.51
2:8g:223:ARG:HA	2:9G:226:ILE:CD1	2.38	0.51
2:8i:254:SER:CB	2:7g:266:LEU:HD21	2.39	0.51
2:1k:200:LEU:O	2:3k:197:GLN:NE2	2.43	0.51
2:1k:226:ILE:HA	2:3k:219:LYS:HG2	1.92	0.51
2:1l:118:ILE:HG12	2:1l:118:ILE:O	2.11	0.51
2:2i:183:PHE:HZ	2:3o:196:LEU:HD22	1.74	0.51
2:3i:209:LEU:HD21	2:4g:209:LEU:HD23	1.90	0.51
2:5g:77:LEU:HD12	2:5g:110:LEU:HG	1.93	0.51
2:5g:110:LEU:N	2:5g:110:LEU:CD1	2.74	0.51
2:6i:158[B]:ILE:HG23	2:8o:149[B]:ILE:HG23	1.92	0.51
2:6k:243:GLY:N	2:7e:244:GLY:CA	2.57	0.51
2:6l:97:TYR:CZ	2:6l:111:VAL:CB	2.82	0.51
2:7i:116:LYS:HG3	2:7i:117:GLU:HG3	1.92	0.51
2:8k:259:VAL:HG13	2:9G:259:VAL:CA	2.00	0.51
2:8n:227:GLY:CA	2:7n:223:ARG:HD3	2.39	0.51
2:1n:126:LYS:HB2	2:2k:119:SER:HB3	1.93	0.51
2:1n:200:LEU:HD13	2:2k:200:LEU:HD13	1.92	0.51
2:2j:212:GLY:CA	2:1t:203:ASN:ND2	2.73	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:111:VAL:HG13	2:4j:57:MET:HE2	1.92	0.51
2:2m:175:PHE:CZ	2:3t:175:PHE:CZ	2.86	0.51
2:2n:119:SER:CA	2:3s:124:ASP:O	2.58	0.51
2:5i:184:LEU:HD21	2:6o:184:LEU:CD2	2.40	0.51
2:5i:269:LEU:CG	2:6o:269:LEU:CD2	2.76	0.51
2:5j:227:GLY:O	2:7k:223:ARG:HD3	2.09	0.51
2:5j:239:THR:HA	2:7k:247:LYS:HB3	1.92	0.51
2:6n:227:GLY:CA	2:5l:223:ARG:HD3	2.32	0.51
2:6n:232:TYR:CE1	2:5l:232:TYR:CD2	2.98	0.51
2:8s:77:LEU:HD12	2:8s:110:LEU:HG	1.92	0.51
2:8u:110:LEU:N	2:8u:110:LEU:CD1	2.73	0.51
2:1r:247:LYS:CB	2:3r:239:THR:HG22	2.39	0.51
2:1s:200:LEU:O	2:3s:197:GLN:NE2	2.43	0.51
2:2q:114:ARG:HD2	2:3q:114:ARG:HB2	1.91	0.51
2:2q:184:LEU:HD23	2:3q:180:VAL:CG1	2.39	0.51
2:2r:225:MET:CG	2:3x:222:LEU:HD13	2.37	0.51
2:3q:231:PRO:N	2:4k:229:GLY:CA	2.72	0.51
2:3r:77:LEU:HD12	2:3r:110:LEU:HG	1.93	0.51
2:3r:97:TYR:CZ	2:3r:111:VAL:CB	2.82	0.51
2:3t:77:LEU:HD12	2:3t:110:LEU:HG	1.92	0.51
2:4l:61:ALA:HB3	2:3x:57:MET:C	2.35	0.51
2:5k:274:LYS:CE	2:6s:251:VAL:O	2.57	0.51
2:6s:242:LEU:CD1	2:7o:235:PRO:CA	2.84	0.51
2:6t:266:LEU:HD21	2:9L:265:ASP:HB3	1.91	0.51
2:6t:274:LYS:NZ	2:9L:251:VAL:O	2.28	0.51
2:7q:116:LYS:HG3	2:7q:117:GLU:HG3	1.92	0.51
2:7r:259:VAL:N	2:9L:259:VAL:HG22	2.23	0.51
2:7r:266:LEU:CB	2:9L:266:LEU:HD13	2.39	0.51
2:8z:118:ILE:HG12	2:8z:118:ILE:O	2.11	0.51
2:1v:226:ILE:O	2:2u:223:ARG:CG	2.56	0.51
2:4m:77:LEU:HD12	2:4m:110:LEU:HG	1.93	0.51
2:5m:77:LEU:HD12	2:5m:110:LEU:HG	1.93	0.51
2:6u:120:ILE:HD13	2:9Q:120:ILE:HD12	1.92	0.51
2:6u:250:ALA:HB1	2:9Q:280:SER:O	2.08	0.51
2:6x:77:LEU:HD12	2:6x:110:LEU:HG	1.93	0.51
2:9M:232:TYR:CE1	2:9J:232:TYR:C	2.83	0.51
2:9M:259:VAL:CG1	2:9J:259:VAL:N	2.43	0.51
1:1A:202:GLU:HG2	1:1A:343:SER:HB2	1.92	0.51
1:2C:412:LEU:C	1:2C:412:LEU:HD12	2.36	0.51
1:3A:245:GLU:OE1	1:3A:245:GLU:N	2.26	0.51
1:5B:95:ARG:HG2	1:5C:67:ASP:HB3	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6A:110:TYR:O	1:6A:110:TYR:CG	2.61	0.51
1:6E:200:ILE:O	1:6E:200:ILE:HG13	2.08	0.51
1:8A:134:ARG:O	1:8A:135:ASN:HB2	2.11	0.51
1:8A:253:ALA:O	1:8A:255:LEU:N	2.44	0.51
1:8A:447:GLN:NE2	2:8e:56:ASN:HB2	2.25	0.51
1:8F:446:ALA:HB2	2:8g:30:ILE:HD13	1.93	0.51
1:2F:443:SER:O	2:2h:45:LYS:NZ	2.36	0.51
1:3I:94:GLY:O	1:3I:95:ARG:HB3	2.09	0.51
1:4I:202:GLU:O	1:4I:202:GLU:HG3	2.10	0.51
1:4L:442:ALA:C	2:4h:56:ASN:HD21	2.18	0.51
1:6L:447:GLN:N	2:6i:56:ASN:H	2.08	0.51
1:8G:134:ARG:O	1:8G:135:ASN:HB2	2.11	0.51
1:8G:314:ASN:OD1	1:8G:314:ASN:C	2.51	0.51
1:1O:444:GLY:HA2	2:1o:45:LYS:CG	2.36	0.51
1:1Q:208:GLY:O	1:1Q:212:GLU:HG2	2.11	0.51
1:2O:16:GLU:O	1:2O:16:GLU:HG3	2.09	0.51
1:3Q:440:ASN:OD1	1:3Q:440:ASN:C	2.50	0.51
1:5R:444:GLY:HA2	2:5j:44:VAL:CG2	2.38	0.51
1:6Q:355:SER:HB3	1:6Q:356:PRO:HD3	1.93	0.51
1:6Q:443:SER:O	2:6n:45:LYS:NZ	2.43	0.51
1:1U:440:ASN:OD1	1:1U:440:ASN:C	2.50	0.51
1:1U:444:GLY:N	2:1s:45:LYS:HZ2	2.08	0.51
1:4U:314:ASN:OD1	1:4U:314:ASN:C	2.54	0.51
1:5X:245:GLU:H	1:5X:245:GLU:CD	2.14	0.51
1:6T:205:SER:OG	1:6T:206:SER:N	2.44	0.51
1:7Q:245:GLU:OE1	1:7Q:245:GLU:N	2.31	0.51
1:7R:394:THR:N	2:7p:16:TYR:CE1	2.79	0.51
1:8V:448:ALA:HB2	2:9K:41:TYR:HA	1.90	0.51
1:1Y:202:GLU:HG2	1:1Y:343:SER:HB2	1.92	0.51
1:1a:392:THR:HG22	2:1w:107:LEU:CG	2.40	0.51
1:2Y:377:ASN:OD1	1:2Y:377:ASN:C	2.54	0.51
1:2Y:406:GLY:O	2:2x:45:LYS:HE2	2.09	0.51
1:5Z:95:ARG:HG2	1:5a:67:ASP:HB3	1.92	0.51
1:5c:33:LYS:O	1:5c:33:LYS:HG2	2.10	0.51
2:1h:238:THR:O	2:2t:246:LYS:C	2.53	0.51
2:2c:225:MET:HG3	2:3l:214:PRO:CG	2.06	0.51
2:2d:148[B]:ILE:CD1	2:1k:148[B]:ILE:HD13	2.39	0.51
2:2d:214:PRO:HD2	2:3k:225:MET:HG2	1.89	0.51
2:3f:110:LEU:N	2:3f:110:LEU:CD1	2.74	0.51
2:3g:200:LEU:HD22	2:2x:196:LEU:CB	2.41	0.51
2:3g:280:SER:O	2:2x:250:ALA:HA	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3h:184:LEU:HD22	2:2w:180:VAL:HG11	1.92	0.51
2:5e:110:LEU:N	2:5e:110:LEU:CD1	2.74	0.51
2:5e:266:LEU:HD13	2:6g:266:LEU:CA	2.32	0.51
2:5f:239:THR:HA	2:7a:247:LYS:HB3	1.92	0.51
2:6e:116:LYS:CA	2:6e:116:LYS:CE	2.86	0.51
2:6f:246:LYS:NZ	2:7f:240:THR:O	2.43	0.51
2:6g:226:ILE:O	2:7Z:223:ARG:HG3	2.10	0.51
2:7b:108:VAL:O	2:7b:108:VAL:HG13	2.11	0.51
2:7d:59:PRO:HG3	2:8f:59:PRO:O	2.09	0.51
2:7d:247:LYS:CE	2:9P:280:SER:HG	2.07	0.51
2:8h:253:ALA:CB	2:8l:267:ASN:OD1	2.51	0.51
2:9F:145:ARG:HE	2:9F:159:ASN:HD21	1.56	0.51
2:1k:175:PHE:CD1	2:3k:171:GLN:NE2	2.78	0.51
2:1k:273:LEU:HD13	2:3k:273:LEU:HD11	1.89	0.51
2:2g:212:GLY:HA2	2:3i:203:ASN:ND2	2.25	0.51
2:3j:77:LEU:HD12	2:3j:110:LEU:HG	1.93	0.51
2:6k:242:LEU:CA	2:7e:244:GLY:HA3	2.40	0.51
2:7e:116:LYS:HG3	2:7e:117:GLU:HG3	1.92	0.51
2:7h:136:LEU:HD21	2:8p:125:ILE:HD13	1.91	0.51
2:8k:274:LYS:CD	2:9G:251:VAL:HG13	2.40	0.51
2:8m:234:LEU:CG	2:9H:242:LEU:HB2	2.41	0.51
2:1m:28:ILE:HG13	2:1t:73:VAL:CG1	2.40	0.51
2:1o:175:PHE:HE1	2:3o:184:LEU:HB3	1.75	0.51
2:6n:226:ILE:HG22	2:5l:222:LEU:CB	2.38	0.51
2:6p:77:LEU:HD12	2:6p:110:LEU:HG	1.93	0.51
2:7m:145:ARG:HE	2:7m:159:ASN:HD21	1.56	0.51
2:8q:274:LYS:HE2	2:9H:251:VAL:HG13	1.87	0.51
2:8s:110:LEU:N	2:8s:110:LEU:CD1	2.73	0.51
2:1r:125:ILE:HG12	2:2p:120:ILE:HD11	1.91	0.51
2:1s:129:GLY:HA3	2:3s:138:ILE:O	2.09	0.51
2:2q:196:LEU:CB	2:3q:200:LEU:HD23	2.39	0.51
2:2q:246:LYS:CE	2:3q:240:THR:HA	2.40	0.51
2:2q:246:LYS:HD3	2:3q:240:THR:N	2.24	0.51
2:2r:28:ILE:HD11	2:3x:99:VAL:HA	1.91	0.51
2:2s:269:LEU:CG	2:3w:270:ILE:HG12	2.41	0.51
2:3q:251:VAL:O	2:4k:274:LYS:NZ	2.43	0.51
2:4l:234:LEU:CD2	2:3x:242:LEU:CD1	2.88	0.51
2:5k:278:ILE:O	2:6s:248:GLY:CA	2.57	0.51
2:7p:116:LYS:HG3	2:7p:117:GLU:HG3	1.92	0.51
2:7r:116:LYS:HG3	2:7r:117:GLU:HG3	1.92	0.51
2:7s:108:VAL:O	2:7s:108:VAL:HG13	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:118:ILE:HG12	2:8w:118:ILE:O	2.11	0.51
2:8w:229:GLY:HA3	2:9I:231:PRO:CA	2.40	0.51
2:8y:77:LEU:HD12	2:8y:110:LEU:HG	1.92	0.51
2:1w:118:ILE:CD1	2:1w:118:ILE:N	2.73	0.51
2:1w:149[B]:ILE:HG23	2:3w:158[B]:ILE:HG22	1.84	0.51
2:1w:270:ILE:CB	2:3w:251:VAL:CG2	2.85	0.51
2:2v:246:LYS:CE	2:3u:240:THR:HA	2.40	0.51
2:2x:116:LYS:HG3	2:2x:117:GLU:HG3	1.92	0.51
2:3u:119:SER:HB3	2:4m:126:LYS:HG2	1.93	0.51
2:3u:251:VAL:O	2:4m:274:LYS:NZ	2.43	0.51
2:3v:110:LEU:N	2:3v:110:LEU:CD1	2.74	0.51
2:5m:97:TYR:CZ	2:5m:111:VAL:CB	2.82	0.51
2:5m:242:LEU:HD23	2:6w:246:LYS:HG3	1.92	0.51
2:7x:108:VAL:O	2:7x:108:VAL:HG13	2.11	0.51
2:9M:229:GLY:HA3	2:9J:231:PRO:CA	2.40	0.51
2:9N:110:LEU:N	2:9N:110:LEU:CD1	2.74	0.51
2:9P:116:LYS:CA	2:9P:116:LYS:CE	2.86	0.51
1:1D:392:THR:OG1	1:1D:393:GLY:N	2.43	0.51
1:1E:208:GLY:O	1:1E:212:GLU:HG2	2.11	0.51
1:3A:202:GLU:HB3	1:3A:343:SER:HB2	1.92	0.51
1:3F:331:SER:OG	1:3F:332:VAL:N	2.43	0.51
1:5A:378:ALA:O	1:5A:379:LYS:HB2	2.10	0.51
1:6E:355:SER:HB3	1:6E:356:PRO:HD3	1.93	0.51
1:4K:199:LYS:O	1:4K:202:GLU:HG3	2.11	0.51
1:6H:205:SER:OG	1:6H:206:SER:N	2.44	0.51
1:7G:444:GLY:HA3	2:7g:45:LYS:NZ	2.19	0.51
1:7J:448:ALA:HB2	2:7h:60:LEU:HG	1.93	0.51
1:8I:448:ALA:C	2:8p:63:TRP:NE1	2.65	0.51
1:1O:443:SER:CB	2:1o:45:LYS:HZ1	2.22	0.51
1:1P:27:SER:OG	1:1P:28:GLN:N	2.43	0.51
1:6R:355:SER:HB3	1:6R:356:PRO:HD3	1.93	0.51
1:9C:394:THR:OG1	1:9C:403:SER:O	2.27	0.51
1:1V:392:THR:OG1	1:1V:393:GLY:N	2.43	0.51
1:2T:235:SER:O	1:2T:236:MET:HB2	2.10	0.51
1:4W:67:ASP:O	1:4W:68:ARG:HB2	2.10	0.51
1:5S:378:ALA:O	1:5S:379:LYS:HB2	2.10	0.51
1:6X:445:GLY:H	2:6q:45:LYS:CG	2.23	0.51
1:7R:407:ASN:N	2:7p:45:LYS:HG3	2.26	0.51
1:2U:395:ALA:HB1	2:2w:107:LEU:HG	1.91	0.51
1:4Y:380:ASP:OD1	1:4Y:380:ASP:C	2.51	0.51
1:4c:67:ASP:O	1:4c:68:ARG:HB2	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4d:448:ALA:HB2	2:4n:41:TYR:HD1	0.59	0.51
1:5Y:245:GLU:OE1	1:5Y:245:GLU:N	2.23	0.51
1:8Y:253:ALA:O	1:8Y:255:LEU:N	2.44	0.51
1:8a:245:GLU:OE1	1:8a:245:GLU:N	2.30	0.51
2:1g:154:ALA:HB1	2:3g:158[A]:ILE:HA	1.92	0.51
2:2a:202:SER:HB3	2:3f:193:LYS:CD	2.41	0.51
2:2b:111:VAL:HG11	2:3e:41:TYR:OH	2.10	0.51
2:2d:231:PRO:CA	2:3k:229:GLY:HA3	2.41	0.51
2:2d:273:LEU:HD21	2:3k:279:ILE:HG23	1.91	0.51
2:3e:232:TYR:HE2	2:4e:232:TYR:CZ	2.27	0.51
2:3g:57:MET:HB3	2:2x:61:ALA:HB1	1.92	0.51
2:3h:110:LEU:N	2:3h:110:LEU:CD1	2.73	0.51
2:3h:122:VAL:HG23	2:2w:127:ASP:OD1	2.11	0.51
2:4e:97:TYR:CZ	2:4e:111:VAL:CB	2.82	0.51
2:5e:273:LEU:HD12	2:6g:269:LEU:CD1	2.29	0.51
2:7Z:116:LYS:HG3	2:7Z:117:GLU:HG3	1.92	0.51
2:8e:173:LEU:HB2	2:9F:157:LEU:CD1	2.40	0.51
2:9F:120:ILE:CD1	2:9O:120:ILE:CD1	2.60	0.51
2:9F:242:LEU:HB2	2:9O:234:LEU:CG	2.41	0.51
2:2e:222:LEU:HB2	2:1p:226:ILE:CB	2.37	0.51
2:2h:127:ASP:OD1	2:3p:121[A]:GLU:HA	2.09	0.51
2:2h:229:GLY:O	2:3p:228:ALA:HA	2.11	0.51
2:5g:122:VAL:HG23	2:7e:127:ASP:OD1	2.11	0.51
2:6j:223:ARG:CD	2:7k:228:ALA:HA	2.39	0.51
2:6j:246:LYS:C	2:7k:238:THR:O	2.54	0.51
2:6k:125:ILE:HA	2:7e:120:ILE:HG13	1.90	0.51
2:7f:145:ARG:HE	2:7f:159:ASN:HD21	1.55	0.51
2:7h:145:ARG:HE	2:7h:159:ASN:HD21	1.56	0.51
2:8m:244:GLY:HA3	2:9H:243:GLY:N	2.25	0.51
2:8m:263:VAL:CG2	2:8q:256:ALA:C	2.56	0.51
2:1m:234:LEU:HD21	2:2j:242:LEU:CA	2.38	0.51
2:1o:226:ILE:HA	2:3o:219:LYS:HG2	1.93	0.51
2:2l:111:VAL:HG11	2:3m:41:TYR:OH	2.10	0.51
2:2m:229:GLY:O	2:3t:228:ALA:HA	2.11	0.51
2:3o:118:ILE:HG12	2:3o:118:ILE:O	2.11	0.51
2:4j:234:LEU:CD2	2:3t:242:LEU:CD1	2.88	0.51
2:5i:267:ASN:ND2	2:6o:254:SER:C	2.43	0.51
2:6p:259:VAL:HG11	2:8v:258:ASP:CA	2.40	0.51
2:7m:254:SER:OG	2:8v:263:VAL:CG1	2.53	0.51
2:8s:247:LYS:CG	2:9I:280:SER:HG	2.23	0.51
2:8u:97:TYR:CZ	2:8u:111:VAL:CB	2.82	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8u:145:ARG:HE	2:8u:159:ASN:HD21	1.55	0.51
2:8v:118:ILE:HG12	2:8v:118:ILE:O	2.11	0.51
2:1r:228:ALA:HB1	2:3r:228:ALA:CA	2.34	0.51
2:1r:247:LYS:CB	2:3r:238:THR:O	2.53	0.51
2:2q:116:LYS:HG3	2:2q:117:GLU:HG3	1.92	0.51
2:2q:212:GLY:HA2	2:3q:203:ASN:ND2	2.25	0.51
2:2r:229:GLY:O	2:3x:228:ALA:HA	2.11	0.51
2:2s:23:GLN:HG3	2:1w:74:GLY:HA3	1.92	0.51
2:2s:246:LYS:CE	2:3w:240:THR:C	2.84	0.51
2:5k:110:LEU:N	2:5k:110:LEU:CD1	2.74	0.51
2:6q:188:THR:OG1	2:9K:199:LEU:O	2.26	0.51
2:6r:246:LYS:C	2:7u:238:THR:O	2.54	0.51
2:6s:200:LEU:HD22	2:7o:196:LEU:HB3	1.91	0.51
2:7r:158[A]:ILE:HG12	2:9L:158[A]:ILE:HD11	1.91	0.51
2:1u:110:LEU:N	2:1u:110:LEU:CD1	2.74	0.51
2:1v:126:LYS:HB2	2:2u:119:SER:HB3	1.93	0.51
2:2v:120:ILE:HG21	2:4m:120:ILE:HD13	1.91	0.51
2:3u:118:ILE:HG12	2:3u:118:ILE:O	2.11	0.51
2:3v:77:LEU:HD12	2:3v:110:LEU:HG	1.93	0.51
2:3x:77:LEU:HD12	2:3x:110:LEU:HG	1.92	0.51
2:5m:154:ALA:CB	2:6w:158[B]:ILE:HA	2.40	0.51
2:5n:239:THR:N	2:7u:247:LYS:CB	2.71	0.51
2:7t:108:VAL:O	2:7t:108:VAL:HG13	2.11	0.51
2:9Q:77:LEU:HD12	2:9Q:110:LEU:HG	1.93	0.51
1:2A:245:GLU:OE1	1:2A:245:GLU:N	2.33	0.51
1:3D:245:GLU:OE1	1:3D:245:GLU:N	2.28	0.51
1:4E:199:LYS:O	1:4E:202:GLU:HG3	2.11	0.51
1:2H:412:LEU:HD12	1:2H:412:LEU:C	2.36	0.51
1:3I:448:ALA:HB2	2:3I:41:TYR:HA	1.92	0.51
1:4I:110:TYR:O	1:4I:110:TYR:CG	2.63	0.51
1:6G:443:SER:H	2:6I:45:LYS:NZ	2.09	0.51
1:6L:355:SER:HB3	1:6L:356:PRO:HD3	1.93	0.51
1:7J:287:SER:OG	1:7J:288:THR:N	2.43	0.51
1:1M:356:PRO:HG3	1:1M:369:PHE:HA	1.93	0.51
1:3M:202:GLU:HB3	1:3M:343:SER:HB2	1.92	0.51
1:3Q:252:ASP:OD1	1:3Q:252:ASP:C	2.53	0.51
1:3R:135:ASN:N	1:3R:135:ASN:OD1	2.40	0.51
1:4M:314:ASN:OD1	1:4M:314:ASN:C	2.51	0.51
1:5M:378:ALA:O	1:5M:379:LYS:HB2	2.10	0.51
1:6M:442:ALA:HB3	2:6p:45:LYS:CE	2.39	0.51
1:8M:134:ARG:O	1:8M:135:ASN:HB2	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8N:391:SER:OG	1:8N:392:THR:N	2.42	0.51
1:1U:446:ALA:CB	2:1s:42:VAL:O	2.59	0.51
1:2R:28:GLN:NE2	2:4l:27:ILE:CD1	2.73	0.51
1:3U:444:GLY:O	2:3t:45:LYS:CG	2.58	0.51
1:3X:447:GLN:HB2	2:3q:44:VAL:CG1	2.41	0.51
1:4W:199:LYS:O	1:4W:202:GLU:HG3	2.11	0.51
1:6V:228:GLN:OE1	1:6V:228:GLN:N	2.27	0.51
1:6V:355:SER:HB3	1:6V:356:PRO:HD3	1.91	0.51
1:6W:355:SER:HB3	1:6W:356:PRO:HD3	1.93	0.51
1:2W:412:LEU:HD12	1:2W:412:LEU:C	2.36	0.51
1:3Z:274:ASP:OD1	1:3Z:274:ASP:C	2.54	0.51
1:3c:447:GLN:HB2	2:3v:44:VAL:HG21	1.93	0.51
1:7X:30:ASP:C	1:7X:30:ASP:OD1	2.51	0.51
1:7X:245:GLU:OE1	1:7X:245:GLU:N	2.31	0.51
1:8Y:134:ARG:O	1:8Y:135:ASN:HB2	2.11	0.51
1:8d:358:ILE:HG23	1:8d:358:ILE:O	2.09	0.51
2:1e:28:ILE:HG13	2:1l:73:VAL:CG1	2.40	0.51
2:1e:236:ALA:N	2:2Z:242:LEU:HD11	2.26	0.51
2:1f:126:LYS:HB2	2:2a:119:SER:HB3	1.93	0.51
2:1g:199:LEU:O	2:3g:193:LYS:HE3	2.08	0.51
2:2b:223:ARG:CD	2:3e:228:ALA:N	2.54	0.51
2:3g:201:VAL:HG22	2:2x:197:GLN:HE21	1.75	0.51
2:3g:279:ILE:HG23	2:2x:273:LEU:HD21	1.92	0.51
2:4e:77:LEU:HD12	2:4e:110:LEU:HG	1.93	0.51
2:4f:61:ALA:HB3	2:3l:57:MET:C	2.35	0.51
2:6f:246:LYS:C	2:7f:238:THR:O	2.54	0.51
2:6g:150:GLU:CD	2:7Z:141:PRO:CB	2.83	0.51
2:6h:110:LEU:N	2:6h:110:LEU:CD1	2.73	0.51
2:6h:259:VAL:HG11	2:8j:258:ASP:CA	2.40	0.51
2:1j:200:LEU:HD13	2:2f:200:LEU:HD13	1.92	0.51
2:4h:61:ALA:HB3	2:3p:57:MET:CB	2.37	0.51
2:4h:247:LYS:CE	2:3p:239:THR:CG2	2.88	0.51
2:5g:148[A]:ILE:HG22	2:6k:145:ARG:HG2	1.93	0.51
2:5g:158[B]:ILE:HD11	2:6k:158[B]:ILE:HD11	1.92	0.51
2:6i:58:TYR:HB3	2:8o:2:MET:CE	2.39	0.51
2:6i:132:GLY:HA3	2:7l:136:LEU:O	2.11	0.51
2:6i:269:LEU:HD21	2:8o:269:LEU:CG	2.38	0.51
2:6l:110:LEU:N	2:6l:110:LEU:CD1	2.73	0.51
2:7h:140:THR:HA	2:8p:131:THR:OG1	2.10	0.51
2:8o:110:LEU:N	2:8o:110:LEU:CD1	2.73	0.51
2:9G:108:VAL:O	2:9G:108:VAL:HG13	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:175:PHE:CD1	2:3o:171:GLN:NE2	2.78	0.51
2:1p:118:ILE:HG12	2:1p:118:ILE:O	2.11	0.51
2:2j:114:ARG:CD	2:1t:114:ARG:HB2	2.35	0.51
2:2l:61:ALA:HB1	2:3m:57:MET:HB3	1.93	0.51
2:3n:110:LEU:N	2:3n:110:LEU:CD1	2.74	0.51
2:3p:118:ILE:CD1	2:3p:118:ILE:N	2.73	0.51
2:5i:77:LEU:HD12	2:5i:110:LEU:HG	1.93	0.51
2:6m:258:ASP:CA	2:8u:259:VAL:CG1	2.84	0.51
2:6n:77:LEU:HD12	2:6n:110:LEU:HG	1.93	0.51
2:6n:212:GLY:HA3	2:7p:203:ASN:HB2	1.92	0.51
2:6o:200:LEU:HD22	2:7j:196:LEU:HB3	1.91	0.51
2:7l:108:VAL:O	2:7l:108:VAL:HG13	2.11	0.51
2:2o:223:ARG:CZ	2:1x:227:GLY:O	2.58	0.51
2:2o:269:LEU:HD22	2:1x:270:ILE:HG12	1.92	0.51
2:2s:108:VAL:HG13	2:2s:108:VAL:O	2.11	0.51
2:4k:118:ILE:CD1	2:4k:118:ILE:N	2.73	0.51
2:5k:254:SER:HB3	2:7o:266:LEU:HD23	1.92	0.51
2:6q:132:GLY:HA3	2:7v:136:LEU:O	2.11	0.51
2:6q:249:ALA:O	2:9K:279:ILE:CG2	2.58	0.51
2:8w:175:PHE:CZ	2:9I:175:PHE:HE2	2.24	0.51
2:8y:247:LYS:CB	2:9J:239:THR:H	2.14	0.51
2:8z:242:LEU:CD2	2:7x:245:VAL:CA	2.85	0.51
2:1u:77:LEU:HD12	2:1u:110:LEU:HG	1.93	0.51
2:1u:234:LEU:HD21	2:2t:242:LEU:CA	2.38	0.51
2:1w:110:LEU:N	2:1w:110:LEU:CD1	2.74	0.51
2:1w:200:LEU:O	2:3w:197:GLN:NE2	2.43	0.51
2:2v:116:LYS:HG3	2:2v:117:GLU:HG3	1.92	0.51
2:2v:200:LEU:HD22	2:4m:200:LEU:HD12	1.93	0.51
2:2v:206:VAL:HG21	2:4m:209:LEU:O	2.11	0.51
2:7w:108:VAL:O	2:7w:108:VAL:HG13	2.11	0.51
2:9M:175:PHE:CZ	2:9J:171:GLN:HG2	2.31	0.51
2:9M:274:LYS:CD	2:9J:251:VAL:HG13	2.40	0.51
2:9M:274:LYS:HE2	2:9J:251:VAL:HG13	1.87	0.51
2:9P:118:ILE:HG12	2:9P:118:ILE:O	2.11	0.51
1:1A:445:GLY:CA	2:1e:44:VAL:HB	2.39	0.51
1:1C:200:ILE:HD12	1:1C:213:PHE:HD1	1.73	0.51
1:3A:130:LEU:HD12	1:3A:130:LEU:C	2.36	0.51
1:1G:356:PRO:HG3	1:1G:369:PHE:HA	1.93	0.51
1:3K:252:ASP:OD1	1:3K:252:ASP:C	2.53	0.51
1:4J:19:ASP:OD1	1:4J:19:ASP:C	2.54	0.51
1:5H:95:ARG:HG2	1:5I:67:ASP:HB3	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7H:28:GLN:CG	2:8h:52:LEU:HD11	2.41	0.51
1:4O:202:GLU:HG3	1:4O:202:GLU:O	2.10	0.51
1:5Q:33:LYS:HG2	1:5Q:33:LYS:O	2.11	0.51
1:1W:358:ILE:HG23	1:1W:358:ILE:O	2.10	0.51
1:2S:245:GLU:OE1	1:2S:245:GLU:N	2.27	0.51
1:4T:397:THR:OG1	1:4T:399:ASP:OD1	2.28	0.51
1:7R:395:ALA:HB3	2:7p:107:LEU:HD21	1.93	0.51
1:1b:130:LEU:C	1:1b:130:LEU:HD12	2.35	0.51
1:3Y:202:GLU:HB3	1:3Y:343:SER:HB2	1.92	0.51
1:3b:443:SER:C	2:3w:56:ASN:ND2	2.65	0.51
1:6Z:448:ALA:CB	2:6w:41:TYR:CD1	2.76	0.51
1:6a:130:LEU:HD12	1:6a:130:LEU:C	2.35	0.51
1:6c:447:GLN:O	2:6v:42:VAL:HG12	2.10	0.51
1:7V:446:ALA:O	2:7v:55:VAL:HG13	2.11	0.51
2:1e:111:VAL:CG2	2:2Z:57:MET:CE	2.86	0.51
2:1g:110:LEU:N	2:1g:110:LEU:CD1	2.74	0.51
2:1h:227:GLY:O	2:2t:223:ARG:CZ	2.58	0.51
2:1h:239:THR:HA	2:2t:246:LYS:C	2.30	0.51
2:2Z:116:LYS:HG3	2:2Z:117:GLU:HG3	1.92	0.51
2:2c:111:VAL:HG13	2:4f:57:MET:HE2	1.92	0.51
2:3e:232:TYR:CD2	2:4e:232:TYR:CD2	2.99	0.51
2:5e:120:ILE:CD1	2:6g:120:ILE:HD13	2.41	0.51
2:5e:122:VAL:HG23	2:7Z:127:ASP:OD1	2.11	0.51
2:6e:132:GLY:HA3	2:7g:136:LEU:O	2.11	0.51
2:6f:77:LEU:HD12	2:6f:110:LEU:HG	1.93	0.51
2:6g:116:LYS:CA	2:6g:116:LYS:CE	2.86	0.51
2:7a:238:THR:O	2:6v:246:LYS:C	2.54	0.51
2:7d:116:LYS:HG3	2:7d:117:GLU:HG3	1.92	0.51
2:8e:150:GLU:HG3	2:9F:141:PRO:CB	2.40	0.51
2:8f:110:LEU:N	2:8f:110:LEU:CD1	2.73	0.51
2:8g:118:ILE:CD1	2:8g:118:ILE:N	2.73	0.51
2:8g:247:LYS:HE2	2:9G:280:SER:CB	2.40	0.51
2:8i:61:ALA:CB	2:7g:57:MET:HB3	2.33	0.51
2:1j:126:LYS:HB2	2:2f:119:SER:HB3	1.92	0.51
2:2f:108:VAL:O	2:2f:108:VAL:HG13	2.11	0.51
2:2f:116:LYS:HG3	2:2f:117:GLU:HG3	1.92	0.51
2:2g:200:LEU:HD22	2:4g:200:LEU:HD12	1.93	0.51
2:2i:232:TYR:CD2	2:3o:232:TYR:CD1	2.96	0.51
2:2i:246:LYS:CE	2:3o:240:THR:C	2.84	0.51
2:2i:250:ALA:HA	2:3o:280:SER:O	2.10	0.51
2:3l:110:LEU:N	2:3l:110:LEU:CD1	2.73	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5g:97:TYR:CZ	2:5g:111:VAL:CB	2.82	0.51
2:6i:249:ALA:O	2:8o:279:ILE:CG2	2.58	0.51
2:7h:259:VAL:N	2:8p:259:VAL:CG1	2.73	0.51
2:8k:270:ILE:HG23	2:9G:269:LEU:CD1	2.15	0.51
2:8l:118:ILE:CD1	2:8l:118:ILE:N	2.73	0.51
2:1o:184:LEU:HD11	2:3o:184:LEU:HD22	1.91	0.51
2:1o:200:LEU:O	2:3o:197:GLN:NE2	2.43	0.51
2:1o:243:GLY:C	2:3o:245:VAL:O	2.54	0.51
2:2k:202:SER:HB3	2:3n:193:LYS:CD	2.41	0.51
2:2m:225:MET:CG	2:3t:222:LEU:HD13	2.37	0.51
2:2n:273:LEU:HD21	2:3s:273:LEU:HD13	1.92	0.51
2:5i:118:ILE:CD1	2:5i:118:ILE:N	2.73	0.51
2:7n:57:MET:CE	2:8r:111:VAL:HG22	2.39	0.51
2:7n:120:ILE:CD1	2:8r:120:ILE:CD1	2.40	0.51
2:8s:28:ILE:HB	2:8w:73:VAL:HG11	1.92	0.51
2:1q:110:LEU:N	2:1q:110:LEU:CD1	2.74	0.51
2:1s:259:VAL:CG2	2:3s:258:ASP:HA	2.38	0.51
2:2q:206:VAL:HG21	2:4k:209:LEU:O	2.11	0.51
2:2r:111:VAL:HG13	2:4l:57:MET:HE2	1.92	0.51
2:5k:154:ALA:CB	2:6s:158[B]:ILE:HA	2.40	0.51
2:5k:242:LEU:HD23	2:6s:246:LYS:HG3	1.92	0.51
2:6t:232:TYR:HD2	2:7r:232:TYR:CZ	2.29	0.51
2:6t:259:VAL:HG11	2:9L:258:ASP:CA	2.40	0.51
2:8x:110:LEU:N	2:8x:110:LEU:CD1	2.73	0.51
2:8z:124:ASP:O	2:7x:119:SER:CA	2.58	0.51
2:2v:246:LYS:HD3	2:3u:240:THR:N	2.24	0.51
2:3u:232:TYR:CD2	2:4m:232:TYR:CD2	2.99	0.51
2:3x:110:LEU:N	2:3x:110:LEU:CD1	2.73	0.51
2:6w:150:GLU:CD	2:7t:141:PRO:CB	2.83	0.51
2:9M:279:ILE:CD1	2:9J:269:LEU:HD12	2.40	0.51
1:1D:447:GLN:HG2	2:1h:60:LEU:HD11	1.93	0.51
1:5A:315:PRO:O	1:5A:316:ARG:HB3	2.11	0.51
1:1H:36:VAL:N	1:1H:37:PRO:HD2	2.26	0.51
1:4K:67:ASP:O	1:4K:68:ARG:HB2	2.10	0.51
1:5G:315:PRO:O	1:5G:316:ARG:HB3	2.11	0.51
1:5H:201:ASP:HB2	1:5H:343:SER:HA	1.92	0.51
1:5K:448:ALA:HA	2:5g:41:TYR:HD2	1.76	0.51
1:6I:428:LEU:N	1:6I:428:LEU:HD23	2.26	0.51
1:7F:445:GLY:H	2:7i:45:LYS:HD2	1.76	0.51
1:8G:444:GLY:CA	2:8k:56:ASN:CG	2.81	0.51
1:8J:245:GLU:OE1	1:8J:245:GLU:N	2.30	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8K:448:ALA:O	2:8n:60:LEU:HB2	2.10	0.51
1:2L:354:VAL:HG21	1:2L:433:ALA:HB2	1.93	0.51
1:2N:407:ASN:ND2	2:2j:46:ASP:O	2.42	0.51
1:6O:428:LEU:N	1:6O:428:LEU:HD23	2.26	0.51
1:6P:419:ASP:OD1	1:6P:419:ASP:C	2.54	0.51
1:7N:395:ALA:CB	2:7j:66:ILE:HD11	2.41	0.51
1:8N:445:GLY:CA	2:8r:44:VAL:HB	2.41	0.51
1:1S:356:PRO:HG3	1:1S:369:PHE:HA	1.93	0.51
1:1S:442:ALA:HB3	2:1q:45:LYS:CE	2.41	0.51
1:1S:446:ALA:HA	2:1q:42:VAL:C	2.32	0.51
1:1W:208:GLY:O	1:1W:212:GLU:HG2	2.11	0.51
1:3W:448:ALA:CB	2:3r:41:TYR:CD2	2.90	0.51
1:3X:252:ASP:O	1:3X:252:ASP:CG	2.54	0.51
1:4S:314:ASN:OD1	1:4S:314:ASN:C	2.52	0.51
1:5V:58:GLN:HG2	1:5V:58:GLN:O	2.11	0.51
1:6W:202:GLU:CD	1:6W:205:SER:HB3	2.36	0.51
1:8S:253:ALA:O	1:8S:255:LEU:N	2.44	0.51
1:5c:447:GLN:HG3	2:5m:44:VAL:CG2	2.41	0.51
1:5d:392:THR:HG23	2:5n:107:LEU:HG	1.92	0.51
1:6Z:447:GLN:HB3	2:6w:56:ASN:HB2	1.92	0.51
1:6a:428:LEU:N	1:6a:428:LEU:HD23	2.26	0.51
1:7W:382:LYS:CE	2:7u:101:GLU:OE1	2.59	0.51
2:1g:74:GLY:HA3	2:2x:23:GLN:HG3	1.92	0.51
2:2c:242:LEU:HB2	2:3l:234:LEU:CD2	2.38	0.51
2:2d:246:LYS:CE	2:3k:240:THR:C	2.84	0.51
2:3e:273:LEU:CD2	2:4e:279:ILE:HG23	2.31	0.51
2:3g:118:ILE:HG12	2:3g:118:ILE:O	2.11	0.51
2:3h:228:ALA:HA	2:2w:229:GLY:O	2.11	0.51
2:6e:145:ARG:CG	2:8i:148[A]:ILE:CG2	2.89	0.51
2:7b:61:ALA:HB1	2:6u:57:MET:CB	2.38	0.51
2:8f:270:ILE:HD13	2:9P:253:ALA:HA	1.93	0.51
2:8h:253:ALA:HA	2:8l:270:ILE:HD13	1.93	0.51
2:1k:110:LEU:N	2:1k:110:LEU:CD1	2.74	0.51
2:1k:270:ILE:CB	2:3k:251:VAL:CG2	2.85	0.51
2:2h:127:ASP:OD1	2:3p:122:VAL:HG23	2.11	0.51
2:2i:158[B]:ILE:HA	2:3o:154:ALA:CB	2.41	0.51
2:2i:210:LEU:CD2	2:3o:210:LEU:HD21	2.41	0.51
2:5g:184:LEU:HD21	2:6k:184:LEU:CD2	2.40	0.51
2:5h:242:LEU:CD2	2:7f:244:GLY:O	2.49	0.51
2:6k:225:MET:HE2	2:7e:212:GLY:HA2	1.92	0.51
2:1m:97:TYR:CZ	2:1m:111:VAL:CB	2.82	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:209:LEU:CD1	2:3m:225:MET:SD	2.81	0.51
2:2m:116:LYS:HG3	2:2m:117:GLU:HG3	1.92	0.51
2:3m:119:SER:HB3	2:4i:126:LYS:HG2	1.93	0.51
2:3n:77:LEU:HD12	2:3n:110:LEU:HG	1.92	0.51
2:4i:77:LEU:HD12	2:4i:110:LEU:HG	1.93	0.51
2:6m:118:ILE:HG12	2:6m:118:ILE:O	2.11	0.51
2:7l:145:ARG:HE	2:7l:159:ASN:HD21	1.56	0.51
2:7m:140:THR:HA	2:8v:131:THR:OG1	2.09	0.51
2:8q:174:LEU:HD13	2:9H:174:LEU:HD11	1.89	0.51
2:8s:148[B]:ILE:HA	2:8w:141:PRO:HB3	1.92	0.51
2:8t:253:ALA:HA	2:8x:270:ILE:HD13	1.93	0.51
2:8u:245:VAL:O	2:7q:242:LEU:HD22	2.10	0.51
2:1q:77:LEU:HD12	2:1q:110:LEU:HG	1.93	0.51
2:3q:232:TYR:CD2	2:4k:232:TYR:CD2	2.99	0.51
2:6s:200:LEU:CD1	2:7o:200:LEU:CD1	2.73	0.51
2:6t:277:GLY:O	2:9L:247:LYS:HG3	2.10	0.51
2:8w:200:LEU:N	2:9I:193:LYS:HG2	2.25	0.51
2:9K:77:LEU:HD12	2:9K:110:LEU:HG	1.92	0.51
2:2u:116:LYS:HG3	2:2u:117:GLU:HG3	1.92	0.51
2:2v:244:GLY:HA2	2:3u:243:GLY:C	2.31	0.51
2:2w:111:VAL:HG13	2:4n:57:MET:HE2	1.92	0.51
2:2w:116:LYS:HG3	2:2w:117:GLU:HG3	1.92	0.51
2:6v:118:ILE:CD1	2:6v:118:ILE:N	2.73	0.51
2:6x:136:LEU:O	2:7w:132:GLY:HA3	2.11	0.51
2:6x:259:VAL:HG11	2:9R:258:ASP:CA	2.40	0.51
2:7v:108:VAL:HG13	2:7v:108:VAL:O	2.11	0.51
2:7w:162:THR:OG1	2:9R:173:LEU:O	2.28	0.51
2:9J:108:VAL:HG13	2:9J:108:VAL:O	2.11	0.51
1:1A:363:GLN:NE2	1:1A:408:GLU:O	2.44	0.51
1:3C:428:LEU:HD12	1:3C:428:LEU:N	2.26	0.51
1:8F:358:ILE:HG23	1:8F:358:ILE:O	2.09	0.51
1:1H:355:SER:HB3	1:1H:356:PRO:HD3	1.93	0.51
1:1J:245:GLU:OE1	1:1J:245:GLU:N	2.32	0.51
1:1K:208:GLY:O	1:1K:212:GLU:HG2	2.11	0.51
1:2F:447:GLN:HG2	2:2h:56:ASN:HB2	1.92	0.51
1:2J:235:SER:O	1:2J:236:MET:HB2	2.10	0.51
1:3L:331:SER:OG	1:3L:332:VAL:N	2.43	0.51
1:8I:252:ASP:OD1	1:8I:252:ASP:C	2.53	0.51
1:1M:446:ALA:N	2:1m:44:VAL:HG23	2.25	0.51
1:2O:235:SER:O	1:2O:236:MET:HB2	2.10	0.51
1:3O:428:LEU:HD12	1:3O:428:LEU:N	2.26	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6M:30:ASP:C	1:6M:30:ASP:OD1	2.54	0.51
1:6M:442:ALA:HB3	2:6p:45:LYS:HE3	1.93	0.51
1:8M:253:ALA:O	1:8M:255:LEU:N	2.44	0.51
1:3T:274:ASP:OD1	1:3T:274:ASP:C	2.54	0.51
1:3W:443:SER:HB3	2:3r:45:LYS:NZ	2.26	0.51
1:3X:245:GLU:OE1	1:3X:245:GLU:N	2.27	0.51
1:3X:331:SER:OG	1:3X:332:VAL:N	2.43	0.51
1:4X:443:SER:OG	1:4X:444:GLY:N	2.44	0.51
1:5W:33:LYS:O	1:5W:33:LYS:HG2	2.10	0.51
1:6U:428:LEU:N	1:6U:428:LEU:HD23	2.26	0.51
1:1Z:355:SER:HB3	1:1Z:356:PRO:HD3	1.93	0.51
1:3d:331:SER:OG	1:3d:332:VAL:N	2.43	0.51
1:4b:252:ASP:OD1	1:4b:252:ASP:C	2.53	0.51
1:6Y:446:ALA:C	2:6x:56:ASN:H	2.12	0.51
1:6c:355:SER:HB3	1:6c:356:PRO:HD3	1.93	0.51
2:1f:200:LEU:HD13	2:2a:200:LEU:HD13	1.92	0.51
2:1g:77:LEU:HD12	2:1g:110:LEU:HG	1.92	0.51
2:1g:175:PHE:HE1	2:3g:184:LEU:HB3	1.75	0.51
2:2d:23:GLN:HG3	2:1k:74:GLY:HA3	1.92	0.51
2:2d:158[B]:ILE:HA	2:3k:154:ALA:CB	2.41	0.51
2:5e:173:LEU:C	2:6g:167:LYS:HE3	2.35	0.51
2:5f:118:ILE:HG12	2:5f:118:ILE:O	2.11	0.51
2:6e:120:ILE:HD13	2:8i:120:ILE:HD12	1.92	0.51
2:7a:240:THR:O	2:6v:246:LYS:NZ	2.43	0.51
2:7c:116:LYS:HG3	2:7c:117:GLU:HG3	1.92	0.51
2:8e:274:LYS:CD	2:9F:251:VAL:HG13	2.40	0.51
2:9F:108:VAL:O	2:9F:108:VAL:HG13	2.11	0.51
2:1i:118:ILE:CD1	2:1i:118:ILE:N	2.73	0.51
2:1i:223:ARG:HA	2:2e:226:ILE:CD1	2.35	0.51
2:1k:57:MET:HB3	2:3k:61:ALA:HB3	1.92	0.51
2:1k:259:VAL:CG2	2:3k:258:ASP:HA	2.38	0.51
2:2e:116:LYS:HG3	2:2e:117:GLU:HG3	1.92	0.51
2:2e:223:ARG:CZ	2:1p:227:GLY:O	2.58	0.51
2:2f:202:SER:HB3	2:3j:193:LYS:CD	2.41	0.51
2:2g:111:VAL:HG11	2:3i:41:TYR:OH	2.10	0.51
2:2i:209:LEU:HD21	2:3o:209:LEU:HD22	1.91	0.51
2:2i:231:PRO:CA	2:3o:229:GLY:HA3	2.41	0.51
2:6i:139:ASN:C	2:8o:131:THR:H	2.19	0.51
2:6j:246:LYS:NZ	2:7k:240:THR:O	2.43	0.51
2:8k:154:ALA:HB1	2:9G:158[A]:ILE:HA	1.93	0.51
2:8o:38:ILE:HD11	2:8o:114:ARG:CZ	2.34	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9G:116:LYS:HG3	2:9G:117:GLU:HG3	1.92	0.51
2:1m:222:LEU:HB3	2:2j:226:ILE:CB	2.30	0.51
2:1o:148[A]:ILE:HG22	2:3o:145:ARG:HG2	1.92	0.51
2:2m:163:THR:H	2:2m:166:ASN:ND2	2.09	0.51
2:2n:158[B]:ILE:HA	2:3s:154:ALA:CB	2.41	0.51
2:2n:246:LYS:CE	2:3s:240:THR:C	2.84	0.51
2:5i:120:ILE:CD1	2:6o:120:ILE:HD13	2.41	0.51
2:6m:120:ILE:HD13	2:8u:120:ILE:HD12	1.92	0.51
2:6n:200:LEU:CD2	2:5l:200:LEU:CD1	2.72	0.51
2:6p:277:GLY:O	2:8v:247:LYS:HG3	2.10	0.51
2:7m:111:VAL:HG11	2:8v:41:TYR:OH	2.10	0.51
2:7m:273:LEU:HD11	2:8v:273:LEU:HD13	1.90	0.51
2:7n:108:VAL:O	2:7n:108:VAL:HG13	2.11	0.51
2:8s:131:THR:HG1	2:8w:141:PRO:HD3	1.69	0.51
2:2s:273:LEU:HD21	2:3w:273:LEU:HD13	1.92	0.51
2:3q:118:ILE:HG12	2:3q:118:ILE:O	2.11	0.51
2:3r:118:ILE:CD1	2:3r:118:ILE:N	2.73	0.51
2:6q:254:SER:HB3	2:9K:266:LEU:HB3	1.93	0.51
2:6r:118:ILE:CD1	2:6r:118:ILE:N	2.73	0.51
2:6r:228:ALA:CB	2:5n:228:ALA:CB	2.86	0.51
2:8w:184:LEU:CD2	2:9I:184:LEU:CD2	2.80	0.51
2:8x:118:ILE:CD1	2:8x:118:ILE:N	2.73	0.51
2:9I:116:LYS:HG3	2:9I:117:GLU:HG3	1.92	0.51
2:2u:202:SER:HB3	2:3v:193:LYS:CD	2.41	0.51
2:3w:118:ILE:HG12	2:3w:118:ILE:O	2.11	0.51
2:6u:269:LEU:HD21	2:9Q:269:LEU:CG	2.38	0.51
2:6x:232:TYR:HD2	2:7w:232:TYR:CZ	2.29	0.51
2:7u:108:VAL:HG13	2:7u:108:VAL:O	2.11	0.51
1:1A:205:SER:OG	1:1A:206:SER:N	2.43	0.51
1:3F:252:ASP:O	1:3F:252:ASP:CG	2.54	0.51
1:4E:331:SER:OG	1:4E:332:VAL:N	2.43	0.51
1:5D:354:VAL:O	1:5D:354:VAL:CG1	2.45	0.51
1:6E:202:GLU:CD	1:6E:205:SER:HB3	2.36	0.51
1:6F:355:SER:HB3	1:6F:356:PRO:HD3	1.93	0.51
1:8A:392:THR:HG22	2:8e:107:LEU:HD11	1.93	0.51
1:8E:245:GLU:H	1:8E:245:GLU:CD	2.17	0.51
1:9A:26:ASN:OD1	2:8w:52:LEU:HB2	2.11	0.51
1:1K:212:GLU:OE2	1:1L:374:ARG:CD	2.57	0.51
1:2J:16:GLU:HG3	1:2J:16:GLU:O	2.09	0.51
1:3I:448:ALA:CB	2:3l:41:TYR:CD2	2.84	0.51
1:5K:33:LYS:O	1:5K:33:LYS:HG2	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1M:363:GLN:NE2	1:1M:408:GLU:O	2.44	0.51
1:1P:447:GLN:O	1:1P:448:ALA:CB	2.59	0.51
1:2M:412:LEU:C	1:2M:412:LEU:HD12	2.36	0.51
1:3M:130:LEU:C	1:3M:130:LEU:HD12	2.36	0.51
1:4Q:392:THR:HG21	2:4i:16:TYR:CD1	2.45	0.51
1:5M:315:PRO:O	1:5M:316:ARG:HB3	2.11	0.51
1:5N:68:ARG:HB3	1:5N:68:ARG:HH11	1.76	0.51
1:6N:205:SER:OG	1:6N:206:SER:N	2.44	0.51
1:7L:26:ASN:HA	2:8v:52:LEU:HD12	1.93	0.51
1:1U:393:GLY:HA2	2:1s:107:LEU:HD12	1.92	0.51
1:1W:355:SER:HB3	1:1W:356:PRO:HD3	1.91	0.51
1:2R:412:LEU:HD12	1:2R:412:LEU:C	2.35	0.51
1:2T:16:GLU:HG3	1:2T:16:GLU:O	2.09	0.51
1:3T:30:ASP:OD1	1:3T:30:ASP:C	2.54	0.51
1:4T:54:ASN:OD1	1:4T:54:ASN:C	2.53	0.51
1:4X:446:ALA:HB2	2:4l:56:ASN:H	1.76	0.51
1:6X:355:SER:HB3	1:6X:356:PRO:HD3	1.93	0.51
1:8S:134:ARG:O	1:8S:135:ASN:HB2	2.11	0.51
1:8V:448:ALA:HB3	2:9K:57:MET:HE1	1.93	0.51
1:8X:444:GLY:N	2:8y:45:LYS:HD2	2.20	0.51
1:5Y:244:MET:C	1:5Y:244:MET:SD	2.94	0.51
2:1g:154:ALA:CB	2:3g:158[A]:ILE:HA	2.40	0.51
2:1h:247:LYS:CB	2:1u:238:THR:O	2.59	0.51
2:2Z:223:ARG:HG2	2:1l:228:ALA:CB	2.33	0.51
2:3e:251:VAL:O	2:4e:274:LYS:NZ	2.43	0.51
2:3g:229:GLY:HA3	2:2x:231:PRO:CA	2.41	0.51
2:3g:240:THR:C	2:2x:246:LYS:CE	2.84	0.51
2:6e:139:ASN:C	2:8i:131:THR:H	2.19	0.51
2:6e:254:SER:HB3	2:8i:266:LEU:HB3	1.93	0.51
2:6f:246:LYS:HD3	2:7f:240:THR:C	2.36	0.51
2:7b:242:LEU:HD22	2:9Q:245:VAL:O	2.10	0.51
2:7c:140:THR:HA	2:8j:131:THR:OG1	2.10	0.51
2:7c:254:SER:H	2:8j:267:ASN:ND2	2.05	0.51
2:7d:108:VAL:O	2:7d:108:VAL:HG13	2.11	0.51
2:8e:239:THR:CA	2:9F:246:LYS:HD3	2.41	0.51
2:9F:116:LYS:HG3	2:9F:117:GLU:HG3	1.92	0.51
2:2f:203:ASN:CG	2:3j:212:GLY:HA2	2.33	0.51
2:2i:23:GLN:HG3	2:1o:74:GLY:HA3	1.92	0.51
2:2i:197:GLN:HE21	2:3o:201:VAL:HG22	1.75	0.51
2:3i:232:TYR:HE2	2:4g:232:TYR:CZ	2.27	0.51
2:5g:120:ILE:CD1	2:6k:120:ILE:HD13	2.41	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:253:ALA:HA	2:8o:270:ILE:HD12	1.93	0.51
2:8m:267:ASN:OD1	2:8q:253:ALA:C	2.51	0.51
2:8n:242:LEU:CG	2:7n:244:GLY:HA3	2.41	0.51
2:1m:236:ALA:N	2:2j:242:LEU:HD11	2.26	0.51
2:2k:203:ASN:ND2	2:3n:212:GLY:HA3	2.05	0.51
2:5j:57:MET:HB3	2:7k:61:ALA:HB1	1.92	0.51
2:6n:234:LEU:CD2	2:7p:242:LEU:O	2.59	0.51
2:7k:116:LYS:HG3	2:7k:117:GLU:HG3	1.92	0.51
2:8s:234:LEU:CG	2:9I:242:LEU:HB2	2.41	0.51
2:1s:77:LEU:HD12	2:1s:110:LEU:HG	1.93	0.51
2:1s:118:ILE:CD1	2:1s:118:ILE:N	2.73	0.51
2:2p:242:LEU:CB	2:3r:244:GLY:CA	2.12	0.51
2:2s:250:ALA:CB	2:3w:281:LEU:O	2.59	0.51
2:3q:138:ILE:O	2:4k:129:GLY:HA3	2.10	0.51
2:5k:77:LEU:HD12	2:5k:110:LEU:HG	1.93	0.51
2:5k:259:VAL:HG13	2:6s:258:ASP:C	2.21	0.51
2:6q:120:ILE:HD13	2:9K:120:ILE:HD12	1.92	0.51
2:6s:240:THR:C	2:7o:246:LYS:CE	2.79	0.51
2:8y:28:ILE:HB	2:9M:73:VAL:HG11	1.92	0.51
2:8z:239:THR:HG23	2:7x:247:LYS:CG	2.40	0.51
2:8z:253:ALA:CB	2:9N:267:ASN:OD1	2.51	0.51
2:1w:175:PHE:CD1	2:3w:171:GLN:NE2	2.78	0.51
2:1w:184:LEU:HD11	2:3w:184:LEU:HD22	1.91	0.51
2:3u:116:LYS:CA	2:3u:116:LYS:CE	2.86	0.51
2:4n:118:ILE:HG12	2:4n:118:ILE:O	2.11	0.51
2:5m:110:LEU:N	2:5m:110:LEU:CD1	2.74	0.51
2:5m:148[A]:ILE:HG22	2:6w:145:ARG:HG2	1.93	0.51
2:6u:118:ILE:HG12	2:6u:118:ILE:O	2.11	0.51
2:7w:278:ILE:CD1	2:9R:278:ILE:HG22	2.28	0.51
2:9O:110:LEU:N	2:9O:110:LEU:CD1	2.73	0.51
1:1C:444:GLY:CA	2:1g:45:LYS:NZ	2.59	0.50
1:4A:380:ASP:OD1	1:4A:380:ASP:C	2.51	0.50
1:5F:419:ASP:CG	1:5F:425:LYS:HZ3	2.15	0.50
1:6D:137:GLN:HG3	1:6D:137:GLN:O	2.12	0.50
1:7E:25:ARG:NH2	2:5f:51:ASP:OD1	2.33	0.50
1:9A:110:TYR:O	1:9A:110:TYR:CG	2.63	0.50
1:1G:442:ALA:HB3	2:1i:45:LYS:CE	2.41	0.50
1:7J:407:ASN:ND2	2:7h:45:LYS:CG	2.73	0.50
1:9B:110:TYR:O	1:9B:110:TYR:CG	2.63	0.50
1:1M:242:SER:OG	1:1M:337:ASN:ND2	2.44	0.50
1:1P:314:ASN:O	1:1P:314:ASN:CG	2.45	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3R:443:SER:HA	2:3m:56:ASN:HD21	1.77	0.50
1:4Q:67:ASP:O	1:4Q:68:ARG:HB2	2.10	0.50
1:5O:228:GLN:OE1	1:5O:228:GLN:N	2.29	0.50
1:1V:447:GLN:O	1:1V:448:ALA:CB	2.59	0.50
1:3S:130:LEU:HD12	1:3S:130:LEU:C	2.36	0.50
1:6U:245:GLU:OE1	1:6U:245:GLU:N	2.31	0.50
1:1b:392:THR:OG1	1:1b:393:GLY:N	2.43	0.50
1:4c:199:LYS:O	1:4c:202:GLU:HG3	2.11	0.50
1:4d:245:GLU:OE1	1:4d:245:GLU:N	2.27	0.50
1:4d:391:SER:OG	1:4d:392:THR:N	2.42	0.50
1:6c:445:GLY:HA3	2:6v:45:LYS:N	2.25	0.50
1:7W:382:LYS:HD3	2:7u:101:GLU:OE2	2.11	0.50
1:7X:397:THR:HG22	2:7t:107:LEU:CB	2.36	0.50
1:8Y:314:ASN:OD1	1:8Y:314:ASN:C	2.51	0.50
1:8Z:391:SER:OG	1:8Z:392:THR:N	2.42	0.50
1:8a:447:GLN:HG2	2:9R:44:VAL:HG13	1.93	0.50
2:2b:200:LEU:HD13	2:4e:200:LEU:HD13	1.93	0.50
2:2b:212:GLY:HA2	2:3e:203:ASN:ND2	2.25	0.50
2:2d:108:VAL:O	2:2d:108:VAL:HG13	2.11	0.50
2:2d:210:LEU:CD2	2:3k:210:LEU:HD21	2.41	0.50
2:2d:279:ILE:CD1	2:1k:251:VAL:CG1	2.82	0.50
2:3g:154:ALA:CB	2:2x:158[B]:ILE:HA	2.41	0.50
2:3h:41:TYR:OH	2:4n:111:VAL:HG11	2.12	0.50
2:6f:234:LEU:CD2	2:7f:242:LEU:O	2.59	0.50
2:8e:73:VAL:HG11	2:9O:28:ILE:CB	2.42	0.50
2:8g:266:LEU:HD21	2:8k:265:ASP:CB	2.42	0.50
2:2e:269:LEU:HD22	2:1p:270:ILE:HG12	1.92	0.50
2:2g:108:VAL:HG13	2:2g:108:VAL:O	2.11	0.50
2:2g:206:VAL:HG21	2:4g:209:LEU:O	2.11	0.50
2:2h:127:ASP:CG	2:3p:122:VAL:HG23	2.37	0.50
2:2i:269:LEU:CG	2:3o:270:ILE:HG12	2.40	0.50
2:3k:116:LYS:CA	2:3k:116:LYS:CE	2.86	0.50
2:6i:118:ILE:HG12	2:6i:118:ILE:O	2.11	0.50
2:6k:240:THR:C	2:7e:246:LYS:CE	2.79	0.50
2:6l:136:LEU:O	2:7h:132:GLY:HA3	2.11	0.50
2:6l:259:VAL:HG11	2:8p:258:ASP:CA	2.40	0.50
2:7h:139:ASN:O	2:8p:130:ASP:HB2	2.11	0.50
2:8k:126:LYS:N	2:9G:120:ILE:O	2.40	0.50
2:8k:229:GLY:HA3	2:9G:231:PRO:CA	2.40	0.50
2:8l:77:LEU:HD12	2:8l:110:LEU:HG	1.93	0.50
2:8n:118:ILE:HG12	2:8n:118:ILE:O	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:125:ILE:HG12	2:2k:120:ILE:HD11	1.91	0.50
2:1o:118:ILE:CD1	2:1o:118:ILE:N	2.73	0.50
2:2l:232:TYR:CE2	2:3m:232:TYR:CE2	2.97	0.50
2:2l:238:THR:C	2:4i:247:LYS:HB2	2.36	0.50
2:2n:61:ALA:HB1	2:3s:57:MET:HB3	1.92	0.50
2:2n:199:LEU:O	2:1s:188:THR:OG1	2.27	0.50
2:4j:247:LYS:CE	2:3t:239:THR:CG2	2.88	0.50
2:5i:158[B]:ILE:HD11	2:6o:158[B]:ILE:HD11	1.92	0.50
2:5j:118:ILE:HG12	2:5j:118:ILE:O	2.11	0.50
2:5j:228:ALA:HB1	2:7k:228:ALA:HB1	1.94	0.50
2:6n:246:LYS:HD3	2:7p:240:THR:C	2.36	0.50
2:7m:193:LYS:HG2	2:8v:200:LEU:HA	1.93	0.50
2:8q:118:ILE:HG12	2:8q:118:ILE:O	2.11	0.50
2:1q:236:ALA:N	2:2o:242:LEU:HD11	2.26	0.50
2:1q:247:LYS:CD	2:2o:239:THR:CG2	2.52	0.50
2:1r:124:ASP:O	2:2p:119:SER:HA	2.12	0.50
2:1s:281:LEU:O	2:3s:250:ALA:HB1	2.09	0.50
2:2q:61:ALA:HB1	2:3q:57:MET:HB3	1.93	0.50
2:2q:197:GLN:HE21	2:3q:201:VAL:CA	2.09	0.50
2:2q:200:LEU:HD22	2:4k:200:LEU:HD11	1.93	0.50
2:2q:246:LYS:CE	2:3q:240:THR:CA	2.89	0.50
2:2r:116:LYS:HG3	2:2r:117:GLU:HG3	1.92	0.50
2:2s:116:LYS:HG3	2:2s:117:GLU:HG3	1.92	0.50
2:3t:110:LEU:N	2:3t:110:LEU:CD1	2.73	0.50
2:4k:163:THR:H	2:4k:166:ASN:ND2	2.09	0.50
2:4l:118:ILE:HG12	2:4l:118:ILE:O	2.11	0.50
2:4l:244:GLY:HA3	2:3x:242:LEU:HD11	1.88	0.50
2:5k:120:ILE:CD1	2:6s:120:ILE:HD13	2.41	0.50
2:6q:139:ASN:C	2:9K:131:THR:H	2.19	0.50
2:6q:253:ALA:HA	2:9K:270:ILE:HD12	1.93	0.50
2:6r:77:LEU:HD12	2:6r:110:LEU:HG	1.93	0.50
2:6s:150:GLU:CD	2:7o:141:PRO:CB	2.83	0.50
2:7p:108:VAL:O	2:7p:108:VAL:HG13	2.11	0.50
2:8y:28:ILE:CB	2:9M:73:VAL:HG11	2.42	0.50
2:1v:118:ILE:HG12	2:1v:118:ILE:O	2.11	0.50
2:1x:118:ILE:HG12	2:1x:118:ILE:O	2.11	0.50
2:2v:200:LEU:HD13	2:4m:200:LEU:HD13	1.93	0.50
2:5m:229:GLY:HA3	2:6w:231:PRO:HA	1.93	0.50
2:6w:240:THR:C	2:7t:246:LYS:CE	2.79	0.50
2:7v:116:LYS:HG3	2:7v:117:GLU:HG3	1.92	0.50
1:2E:235:SER:O	1:2E:236:MET:HB2	2.10	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5A:244:MET:C	1:5A:244:MET:SD	2.94	0.50
1:7E:335:PHE:O	1:7E:336:ALA:HB3	2.12	0.50
1:8I:205:SER:OG	1:8I:206:SER:N	2.41	0.50
1:8I:245:GLU:OE1	1:8I:245:GLU:N	2.30	0.50
1:8L:442:ALA:C	2:8m:45:LYS:HZ3	2.15	0.50
1:1O:446:ALA:HB1	2:1o:42:VAL:O	2.12	0.50
1:3R:252:ASP:O	1:3R:252:ASP:CG	2.54	0.50
1:4R:443:SER:OG	1:4R:444:GLY:N	2.44	0.50
1:5M:244:MET:C	1:5M:244:MET:SD	2.94	0.50
1:1S:363:GLN:NE2	1:1S:408:GLU:O	2.44	0.50
1:2R:28:GLN:HE22	2:4l:27:ILE:CD1	2.24	0.50
1:3S:202:GLU:HB3	1:3S:343:SER:HB2	1.92	0.50
1:3U:428:LEU:HD12	1:3U:428:LEU:N	2.26	0.50
1:5U:19:ASP:OD1	1:5U:19:ASP:C	2.55	0.50
1:6S:314:ASN:OD1	1:6S:314:ASN:C	2.52	0.50
1:6W:444:GLY:N	2:6r:45:LYS:HZ2	2.09	0.50
1:7T:442:ALA:HB3	2:7r:45:LYS:NZ	2.25	0.50
1:8X:200:ILE:O	1:8X:200:ILE:CG1	2.44	0.50
1:1Y:356:PRO:HG3	1:1Y:369:PHE:HA	1.93	0.50
1:2Y:448:ALA:HB3	2:2x:57:MET:HA	1.93	0.50
1:5b:58:GLN:O	1:5b:58:GLN:HG2	2.11	0.50
1:7V:205:SER:OG	1:7V:206:SER:N	2.45	0.50
1:7W:385:TRP:H	2:7u:106:GLN:NE2	2.09	0.50
1:8Z:448:ALA:N	2:9N:56:ASN:O	2.33	0.50
1:9E:397:THR:CG2	2:9J:107:LEU:HD12	2.42	0.50
2:1e:200:LEU:CD1	2:2Z:200:LEU:HD13	2.24	0.50
2:1e:238:THR:O	2:1l:247:LYS:CB	2.59	0.50
2:1g:57:MET:HB3	2:3g:61:ALA:HB3	1.92	0.50
2:1g:226:ILE:HA	2:3g:219:LYS:HG2	1.93	0.50
2:1h:118:ILE:HG12	2:1h:118:ILE:O	2.11	0.50
2:2Z:196:LEU:CB	2:1l:200:LEU:HD23	2.42	0.50
2:2b:206:VAL:HG21	2:4e:209:LEU:O	2.11	0.50
2:2c:167:LYS:HB3	2:4f:174:LEU:O	2.12	0.50
2:2d:273:LEU:HD23	2:3k:279:ILE:HG23	1.80	0.50
2:4f:244:GLY:HA3	2:3l:242:LEU:HD11	1.88	0.50
2:5f:197:GLN:HG3	2:6v:200:LEU:O	2.12	0.50
2:6e:158[B]:ILE:HG23	2:8i:149[B]:ILE:HG23	1.92	0.50
2:7a:226:ILE:CG2	2:6v:222:LEU:HD13	2.41	0.50
2:7c:265:ASP:CA	2:8j:266:LEU:HD21	2.38	0.50
2:8g:163:THR:H	2:8g:166:ASN:ND2	2.09	0.50
2:8g:222:LEU:C	2:9G:226:ILE:CD1	2.76	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8h:226:ILE:HG22	2:7i:222:LEU:HD13	1.93	0.50
2:1k:77:LEU:HD12	2:1k:110:LEU:HG	1.93	0.50
2:2e:246:LYS:C	2:1p:239:THR:HA	2.30	0.50
2:2h:116:LYS:HG3	2:2h:117:GLU:HG3	1.92	0.50
2:2h:200:LEU:CD1	2:3p:200:LEU:HD22	2.37	0.50
2:4g:77:LEU:HD12	2:4g:110:LEU:HG	1.93	0.50
2:5g:247:LYS:HB2	2:7e:238:THR:O	2.11	0.50
2:6i:254:SER:HB2	2:8o:266:LEU:CG	2.39	0.50
2:6j:222:LEU:HD13	2:7k:226:ILE:CG2	2.41	0.50
2:7f:116:LYS:HG3	2:7f:117:GLU:HG3	1.92	0.50
2:8k:196:LEU:CD2	2:9G:183:PHE:CE1	2.83	0.50
2:1n:118:ILE:HG12	2:1n:118:ILE:O	2.11	0.50
2:1n:226:ILE:O	2:2k:223:ARG:CG	2.56	0.50
2:2j:108:VAL:O	2:2j:108:VAL:HG13	2.11	0.50
2:2m:201:VAL:CG2	2:3t:210:LEU:CD1	2.79	0.50
2:2m:251:VAL:HG11	2:4j:279:ILE:HD12	1.91	0.50
2:3m:138:ILE:O	2:4i:129:GLY:HA3	2.10	0.50
2:3p:110:LEU:N	2:3p:110:LEU:CD1	2.73	0.50
2:4i:110:LEU:N	2:4i:110:LEU:CD1	2.74	0.50
2:5i:154:ALA:CB	2:6o:158[B]:ILE:HA	2.40	0.50
2:6m:251:VAL:N	2:8u:279:ILE:HD12	2.26	0.50
2:7k:163:THR:H	2:7k:166:ASN:ND2	2.09	0.50
2:8q:175:PHE:HA	2:9H:171:GLN:HE21	1.75	0.50
2:8s:223:ARG:CG	2:9I:226:ILE:C	2.80	0.50
2:8s:247:LYS:HE2	2:9I:280:SER:CB	2.40	0.50
2:8s:266:LEU:HD21	2:8w:265:ASP:CB	2.41	0.50
2:8v:163:THR:H	2:8v:166:ASN:ND2	2.09	0.50
2:9H:108:VAL:O	2:9H:108:VAL:HG13	2.11	0.50
2:9H:116:LYS:HG3	2:9H:117:GLU:HG3	1.92	0.50
2:1s:259:VAL:HG22	2:3s:259:VAL:HA	1.85	0.50
2:1s:263:VAL:HG22	2:3s:256:ALA:HB3	1.66	0.50
2:2p:202:SER:HB3	2:3r:193:LYS:CD	2.41	0.50
2:2p:203:ASN:CG	2:3r:212:GLY:HA2	2.33	0.50
2:2p:240:THR:CA	2:3r:246:LYS:HD3	2.25	0.50
2:7q:163:THR:H	2:7q:166:ASN:ND2	2.09	0.50
2:7r:140:THR:HA	2:9L:131:THR:OG1	2.10	0.50
2:8y:234:LEU:CG	2:9J:242:LEU:HB2	2.41	0.50
2:8z:242:LEU:HD21	2:7x:244:GLY:O	2.12	0.50
2:9K:110:LEU:N	2:9K:110:LEU:CD1	2.73	0.50
2:9I:108:VAL:O	2:9I:108:VAL:HG13	2.11	0.50
2:1v:200:LEU:HD13	2:2u:200:LEU:HD13	1.92	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2u:108:VAL:O	2:2u:108:VAL:HG13	2.11	0.50
2:5m:118:ILE:CD1	2:5m:118:ILE:N	2.73	0.50
2:5m:247:LYS:HB2	2:7t:238:THR:O	2.12	0.50
2:5m:274:LYS:CE	2:6w:251:VAL:O	2.57	0.50
2:5n:228:ALA:HB1	2:7u:228:ALA:HB1	1.93	0.50
2:6u:158[B]:ILE:HG23	2:9Q:149[B]:ILE:HG23	1.92	0.50
2:6w:228:ALA:HB1	2:7t:228:ALA:CB	2.42	0.50
2:9M:118:ILE:HG12	2:9M:118:ILE:O	2.11	0.50
2:9M:173:LEU:HB2	2:9J:157:LEU:CD1	2.40	0.50
2:9O:38:ILE:HD11	2:9O:114:ARG:CZ	2.34	0.50
2:9O:77:LEU:HD12	2:9O:110:LEU:HG	1.92	0.50
1:5B:201:ASP:HB2	1:5B:343:SER:HA	1.92	0.50
1:5D:19:ASP:OD1	1:5D:19:ASP:C	2.54	0.50
1:2J:202:GLU:CD	1:2J:202:GLU:C	2.80	0.50
1:3G:130:LEU:HD12	1:3G:130:LEU:C	2.36	0.50
1:3I:428:LEU:HD12	1:3I:428:LEU:N	2.26	0.50
1:4I:314:ASN:OD1	1:4I:314:ASN:C	2.54	0.50
1:4K:209:ALA:CB	1:4K:212:GLU:OE2	2.60	0.50
1:5G:244:MET:C	1:5G:244:MET:SD	2.94	0.50
1:7F:331:SER:OG	1:7F:332:VAL:N	2.44	0.50
1:7G:205:SER:OG	1:7G:206:SER:N	2.45	0.50
1:7J:335:PHE:O	1:7J:336:ALA:HB3	2.12	0.50
1:8G:253:ALA:O	1:8G:255:LEU:N	2.44	0.50
1:3N:274:ASP:OD1	1:3N:274:ASP:C	2.54	0.50
1:3O:444:GLY:N	2:3p:45:LYS:HZ1	2.09	0.50
1:4N:54:ASN:OD1	1:4N:54:ASN:C	2.53	0.50
1:6Q:443:SER:O	2:6n:45:LYS:CE	2.59	0.50
1:9C:110:TYR:O	1:9C:110:TYR:CG	2.63	0.50
1:3X:448:ALA:HB2	2:3q:41:TYR:CD1	2.44	0.50
1:4U:202:GLU:O	1:4U:202:GLU:HG3	2.10	0.50
1:7R:397:THR:CA	2:7p:107:LEU:HB2	2.38	0.50
1:1Z:36:VAL:N	1:1Z:37:PRO:HD2	2.26	0.50
1:4c:209:ALA:CB	1:4c:212:GLU:OE2	2.60	0.50
1:4d:443:SER:OG	1:4d:444:GLY:N	2.44	0.50
1:6d:446:ALA:CA	2:6u:44:VAL:HG13	2.40	0.50
1:7Y:335:PHE:O	1:7Y:336:ALA:HB3	2.12	0.50
1:8c:230:SER:OG	1:8c:231:ARG:N	2.45	0.50
2:1f:118:ILE:HG12	2:1f:118:ILE:O	2.11	0.50
2:2a:108:VAL:O	2:2a:108:VAL:HG13	2.11	0.50
2:2b:200:LEU:HD22	2:4e:200:LEU:HD11	1.93	0.50
2:5e:229:GLY:HA3	2:6g:231:PRO:HA	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:270:ILE:HD13	2:6g:251:VAL:HG23	1.89	0.50
2:6h:173:LEU:HD13	2:8j:160:GLY:HA2	1.94	0.50
2:1i:234:LEU:CG	2:2e:242:LEU:HB2	2.39	0.50
2:1k:154:ALA:HB1	2:3k:158[A]:ILE:HA	1.92	0.50
2:2e:247:LYS:HE2	2:1p:280:SER:CB	2.42	0.50
2:2g:200:LEU:HD22	2:4g:200:LEU:HD11	1.93	0.50
2:3k:118:ILE:HG12	2:3k:118:ILE:O	2.11	0.50
2:4h:116:LYS:CA	2:4h:116:LYS:CE	2.85	0.50
2:5g:254:SER:HB3	2:7e:266:LEU:HD21	1.93	0.50
2:5h:225:MET:SD	2:7f:209:LEU:CD1	2.97	0.50
2:6k:118:ILE:HG12	2:6k:118:ILE:O	2.11	0.50
2:6k:228:ALA:HB1	2:7e:228:ALA:CB	2.42	0.50
2:7g:108:VAL:O	2:7g:108:VAL:HG13	2.11	0.50
2:8m:77:LEU:HD12	2:8m:110:LEU:HG	1.92	0.50
2:8m:110:LEU:N	2:8m:110:LEU:CD1	2.73	0.50
2:8m:148[B]:ILE:HA	2:8q:141:PRO:HB3	1.92	0.50
2:8o:245:VAL:O	2:7l:242:LEU:HD22	2.10	0.50
2:8o:254:SER:CB	2:7l:266:LEU:HD21	2.39	0.50
2:1m:238:THR:O	2:1t:247:LYS:CB	2.59	0.50
2:1o:232:TYR:CZ	2:3o:234:LEU:HB2	2.47	0.50
2:2j:196:LEU:CB	2:1t:200:LEU:HD23	2.42	0.50
2:2l:206:VAL:HG21	2:4i:209:LEU:O	2.11	0.50
2:2n:210:LEU:CD2	2:3s:210:LEU:HD21	2.41	0.50
2:3m:251:VAL:O	2:4i:274:LYS:NZ	2.43	0.50
2:4j:111:VAL:HG11	2:3t:41:TYR:OH	2.12	0.50
2:6n:200:LEU:O	2:5l:197:GLN:HG3	2.12	0.50
2:6n:201:VAL:HA	2:5l:197:GLN:HE21	1.75	0.50
2:6o:28:ILE:HD11	2:7j:99:VAL:HA	1.94	0.50
2:7m:108:VAL:O	2:7m:108:VAL:HG13	2.11	0.50
2:7m:116:LYS:HG3	2:7m:117:GLU:HG3	1.92	0.50
2:7n:57:MET:CE	2:8r:61:ALA:HB1	2.29	0.50
2:8q:175:PHE:CZ	2:9H:175:PHE:HE2	2.24	0.50
2:8q:206:VAL:HG11	2:9H:210:LEU:HA	1.94	0.50
2:8q:232:TYR:HB3	2:9H:232:TYR:HB2	1.88	0.50
2:8t:239:THR:HG23	2:7s:247:LYS:CG	2.40	0.50
2:8t:242:LEU:CG	2:7s:244:GLY:HA3	2.41	0.50
2:1s:280:SER:CB	2:3s:249:ALA:C	2.83	0.50
2:1t:118:ILE:HG12	2:1t:118:ILE:O	2.11	0.50
2:2q:238:THR:C	2:4k:247:LYS:HB2	2.36	0.50
2:2q:245:VAL:HG23	2:3q:237:ALA:HB1	1.94	0.50
2:2r:203:ASN:N	2:3x:210:LEU:O	2.45	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:119:SER:CA	2:3w:124:ASP:O	2.58	0.50
2:2s:254:SER:HB3	2:3w:267:ASN:HD21	1.77	0.50
2:3s:118:ILE:HG12	2:3s:118:ILE:O	2.11	0.50
2:5k:122:VAL:HG23	2:7o:127:ASP:OD1	2.11	0.50
2:5k:200:LEU:O	2:6s:193:LYS:HB3	2.12	0.50
2:5k:266:LEU:HD23	2:6s:265:ASP:CB	2.28	0.50
2:6r:110:LEU:N	2:6r:110:LEU:CD1	2.73	0.50
2:7r:193:LYS:HG2	2:9L:200:LEU:HA	1.93	0.50
2:7s:226:ILE:O	2:8x:223:ARG:HG2	2.12	0.50
2:8x:77:LEU:HD12	2:8x:110:LEU:HG	1.92	0.50
2:8y:277:GLY:O	2:9M:247:LYS:CE	2.29	0.50
2:2v:244:GLY:HA2	2:3u:243:GLY:H	1.72	0.50
2:3x:38:ILE:HD11	2:3x:114:ARG:CZ	2.34	0.50
2:6v:77:LEU:HD12	2:6v:110:LEU:HG	1.93	0.50
2:6w:28:ILE:HD11	2:7t:99:VAL:HA	1.94	0.50
2:6x:269:LEU:HD23	2:9R:269:LEU:CD2	2.42	0.50
2:7w:193:LYS:HG2	2:9R:200:LEU:HA	1.93	0.50
2:7w:259:VAL:N	2:9R:259:VAL:HG22	2.23	0.50
2:7x:226:ILE:HD11	2:9N:226:ILE:CD1	2.29	0.50
2:9R:118:ILE:HG12	2:9R:118:ILE:O	2.11	0.50
1:1C:234:ASN:OD1	1:1C:234:ASN:C	2.55	0.50
1:3F:135:ASN:N	1:3F:135:ASN:OD1	2.40	0.50
1:4D:252:ASP:OD1	1:4D:252:ASP:C	2.53	0.50
1:5D:355:SER:CB	1:5D:356:PRO:CD	2.89	0.50
1:7A:266:LYS:O	1:7A:266:LYS:HG2	2.11	0.50
1:7A:331:SER:OG	1:7A:332:VAL:N	2.44	0.50
1:7C:28:GLN:HG2	2:9P:52:LEU:CD1	2.39	0.50
1:8F:245:GLU:OE2	1:8F:245:GLU:N	2.28	0.50
1:1I:234:ASN:OD1	1:1I:234:ASN:C	2.55	0.50
1:1L:356:PRO:HG3	1:1L:369:PHE:CE2	2.24	0.50
1:6G:36:VAL:N	1:6G:37:PRO:HD2	2.27	0.50
1:6J:419:ASP:C	1:6J:419:ASP:OD1	2.54	0.50
1:6K:202:GLU:CD	1:6K:205:SER:HB3	2.36	0.50
1:6K:355:SER:HB3	1:6K:356:PRO:HD3	1.93	0.50
1:8L:446:ALA:HB1	2:8m:30:ILE:CD1	2.42	0.50
1:2N:392:THR:HA	2:2j:46:ASP:OD2	2.10	0.50
1:4O:130:LEU:C	1:4O:130:LEU:HD12	2.37	0.50
1:3X:445:GLY:HA3	2:3q:47:VAL:HG21	1.92	0.50
1:4W:209:ALA:CB	1:4W:212:GLU:OE2	2.60	0.50
1:5T:68:ARG:HB3	1:5T:68:ARG:HH11	1.76	0.50
1:6T:423:GLU:OE2	1:6T:423:GLU:N	2.30	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1a:444:GLY:HA2	2:1w:45:LYS:CG	2.39	0.50
1:3d:422:THR:OG1	1:3d:423:GLU:N	2.45	0.50
1:4Y:245:GLU:H	1:4Y:245:GLU:CD	2.14	0.50
1:4b:19:ASP:OD1	1:4b:19:ASP:C	2.54	0.50
1:5b:355:SER:CB	1:5b:356:PRO:CD	2.89	0.50
1:6d:355:SER:HB3	1:6d:356:PRO:HD3	1.93	0.50
1:8a:205:SER:OG	1:8a:206:SER:N	2.41	0.50
1:8a:444:GLY:O	2:9R:45:LYS:HG2	2.11	0.50
2:1f:163:THR:H	2:1f:166:ASN:ND2	2.09	0.50
2:1g:120:ILE:HD12	2:3g:120:ILE:CD1	2.42	0.50
2:2Z:247:LYS:HE2	2:1l:280:SER:CB	2.42	0.50
2:2b:209:LEU:CD1	2:3e:225:MET:SD	2.80	0.50
2:3g:270:ILE:HG12	2:2x:269:LEU:CG	2.41	0.50
2:3g:281:LEU:O	2:2x:250:ALA:CB	2.60	0.50
2:6f:212:GLY:HA3	2:7f:203:ASN:HB2	1.92	0.50
2:7d:222:LEU:HD13	2:9P:226:ILE:HG22	1.93	0.50
2:8e:184:LEU:CD1	2:9F:184:LEU:HD22	2.35	0.50
2:8f:97:TYR:CZ	2:8f:111:VAL:CB	2.82	0.50
2:8g:28:ILE:CB	2:8k:73:VAL:HG11	2.42	0.50
2:8g:77:LEU:HD12	2:8g:110:LEU:HG	1.92	0.50
2:8h:118:ILE:HG12	2:8h:118:ILE:O	2.11	0.50
2:8i:77:LEU:HD12	2:8i:110:LEU:HG	1.93	0.50
2:8i:97:TYR:CZ	2:8i:111:VAL:CB	2.82	0.50
2:1j:57:MET:HE2	2:2f:111:VAL:HG13	1.93	0.50
2:1j:124:ASP:O	2:2f:119:SER:HA	2.12	0.50
2:1k:259:VAL:HG22	2:3k:259:VAL:HA	1.85	0.50
2:2e:108:VAL:O	2:2e:108:VAL:HG13	2.11	0.50
2:2g:57:MET:CE	2:4g:111:VAL:HG21	2.39	0.50
2:2g:246:LYS:CE	2:3i:240:THR:CA	2.89	0.50
2:2h:167:LYS:HB3	2:4h:174:LEU:O	2.11	0.50
2:2h:180:VAL:HG11	2:3p:184:LEU:HD22	1.92	0.50
2:2i:108:VAL:O	2:2i:108:VAL:HG13	2.11	0.50
2:2i:170:LEU:HB3	2:3o:174:LEU:HD22	1.94	0.50
2:5h:118:ILE:HG12	2:5h:118:ILE:O	2.11	0.50
2:6j:234:LEU:CD2	2:7k:242:LEU:O	2.59	0.50
2:6k:28:ILE:HD11	2:7e:99:VAL:HA	1.94	0.50
2:6l:173:LEU:HD13	2:8p:160:GLY:HA2	1.94	0.50
2:7h:193:LYS:HG2	2:8p:200:LEU:HA	1.93	0.50
2:8k:279:ILE:HG21	2:9G:273:LEU:CD2	2.31	0.50
2:8l:38:ILE:HD11	2:8l:114:ARG:CZ	2.35	0.50
2:8m:247:LYS:HE2	2:9H:280:SER:CB	2.40	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8n:226:ILE:HG22	2:7n:222:LEU:HD13	1.93	0.50
2:9G:163:THR:H	2:9G:166:ASN:ND2	2.09	0.50
2:1m:110:LEU:N	2:1m:110:LEU:CD1	2.74	0.50
2:1o:110:LEU:N	2:1o:110:LEU:CD1	2.74	0.50
2:1o:280:SER:CB	2:3o:249:ALA:C	2.83	0.50
2:2m:242:LEU:CB	2:3t:234:LEU:CD1	2.75	0.50
2:2n:262:ALA:CB	2:3s:263:VAL:HG23	2.41	0.50
2:5i:148[A]:ILE:HG22	2:6o:145:ARG:HG2	1.93	0.50
2:6p:232:TYR:HD2	2:7m:232:TYR:CZ	2.29	0.50
2:7l:116:LYS:HG3	2:7l:117:GLU:HG3	1.92	0.50
2:1r:57:MET:HE2	2:2p:111:VAL:HG13	1.93	0.50
2:1r:163:THR:H	2:1r:166:ASN:ND2	2.09	0.50
2:2r:180:VAL:HG11	2:3x:184:LEU:HD22	1.92	0.50
2:4k:97:TYR:CZ	2:4k:111:VAL:CB	2.82	0.50
2:4l:111:VAL:HG11	2:3x:41:TYR:OH	2.12	0.50
2:5l:57:MET:HB3	2:7p:61:ALA:HB1	1.92	0.50
2:6r:200:LEU:O	2:5n:197:GLN:HG3	2.11	0.50
2:6s:28:ILE:HD11	2:7o:99:VAL:HA	1.94	0.50
2:8y:266:LEU:HD21	2:9M:265:ASP:CB	2.41	0.50
2:1u:223:ARG:HA	2:2t:226:ILE:CD1	2.35	0.50
2:1u:236:ALA:N	2:2t:242:LEU:HD11	2.26	0.50
2:1w:148[A]:ILE:HG22	2:3w:145:ARG:HG2	1.92	0.50
2:1w:199:LEU:O	2:3w:193:LYS:HE3	2.08	0.50
2:2v:61:ALA:HB1	2:3u:57:MET:HB3	1.93	0.50
2:2v:212:GLY:HA3	2:3u:203:ASN:HB2	1.94	0.50
2:5m:122:VAL:HG23	2:7t:127:ASP:OD1	2.11	0.50
2:5m:254:SER:HB3	2:7t:266:LEU:HD23	1.92	0.50
2:6u:158[B]:ILE:HA	2:9Q:154:ALA:CB	2.41	0.50
2:6u:167:LYS:HG2	2:9Q:173:LEU:O	2.12	0.50
2:6w:118:ILE:HG12	2:6w:118:ILE:O	2.11	0.50
2:7x:57:MET:CE	2:9N:111:VAL:HG22	2.39	0.50
1:1A:242:SER:OG	1:1A:337:ASN:ND2	2.44	0.50
1:1B:6:ASN:O	1:1B:7:ASP:CB	2.60	0.50
1:4C:130:LEU:C	1:4C:130:LEU:HD12	2.37	0.50
1:5D:314:ASN:OD1	1:5D:314:ASN:C	2.54	0.50
1:8B:444:GLY:N	2:8f:45:LYS:HZ2	2.10	0.50
1:9A:448:ALA:C	2:9F:41:TYR:CD1	2.87	0.50
1:3H:194:LEU:O	1:3H:235:SER:OG	2.30	0.50
1:3I:355:SER:HB2	1:3I:356:PRO:HD2	1.93	0.50
1:3J:423:GLU:OE1	1:3J:423:GLU:N	2.35	0.50
1:3L:228:GLN:OE1	1:3L:228:GLN:N	2.34	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3L:252:ASP:CG	1:3L:252:ASP:O	2.54	0.50
1:3L:422:THR:OG1	1:3L:423:GLU:N	2.45	0.50
1:4H:387:VAL:O	1:4H:387:VAL:CG2	2.43	0.50
1:5I:156:TRP:O	1:5I:158:ASN:N	2.45	0.50
1:5I:228:GLN:OE1	1:5I:228:GLN:N	2.29	0.50
1:7G:447:GLN:N	2:7g:42:VAL:O	2.44	0.50
1:8H:443:SER:C	2:8l:45:LYS:HZ1	2.18	0.50
1:3N:194:LEU:O	1:3N:235:SER:OG	2.30	0.50
1:3R:331:SER:OG	1:3R:332:VAL:N	2.43	0.50
1:4Q:199:LYS:O	1:4Q:202:GLU:HG3	2.11	0.50
1:5P:58:GLN:O	1:5P:58:GLN:HG2	2.11	0.50
1:6Q:202:GLU:CD	1:6Q:205:SER:HB3	2.36	0.50
1:6R:445:GLY:CA	2:6m:45:LYS:HG2	2.41	0.50
1:1T:36:VAL:N	1:1T:37:PRO:HD2	2.26	0.50
1:1U:447:GLN:HA	2:1s:42:VAL:HG12	1.94	0.50
1:1W:212:GLU:OE2	1:1X:374:ARG:CD	2.57	0.50
1:3T:194:LEU:O	1:3T:235:SER:OG	2.30	0.50
1:3V:228:GLN:OE1	1:3V:228:GLN:N	2.32	0.50
1:4S:245:GLU:H	1:4S:245:GLU:CD	2.14	0.50
1:4U:130:LEU:HD12	1:4U:130:LEU:C	2.37	0.50
1:6S:36:VAL:N	1:6S:37:PRO:HD2	2.27	0.50
1:6V:137:GLN:O	1:6V:137:GLN:HG3	2.12	0.50
1:7Q:446:ALA:HA	2:7q:42:VAL:O	2.11	0.50
1:7Q:447:GLN:O	2:7q:41:TYR:CG	2.65	0.50
1:7R:444:GLY:HA3	2:7p:45:LYS:HE3	1.93	0.50
1:8W:230:SER:OG	1:8W:231:ARG:N	2.45	0.50
1:3Y:130:LEU:C	1:3Y:130:LEU:HD12	2.36	0.50
1:3Z:30:ASP:OD1	1:3Z:30:ASP:C	2.54	0.50
1:3Z:194:LEU:O	1:3Z:235:SER:OG	2.30	0.50
1:3a:448:ALA:CB	2:3x:41:TYR:CD2	2.84	0.50
1:8d:444:GLY:N	2:9O:45:LYS:HZ2	2.10	0.50
2:1g:151:ASN:HD22	2:3g:160:GLY:HA3	1.77	0.50
2:2Z:244:GLY:HA3	2:1l:242:LEU:C	2.36	0.50
2:2a:226:ILE:CG2	2:3f:222:LEU:HD13	2.42	0.50
2:3e:116:LYS:CA	2:3e:116:LYS:CE	2.86	0.50
2:3e:118:ILE:HG12	2:3e:118:ILE:O	2.11	0.50
2:3h:197:GLN:HE21	2:2w:201:VAL:CA	2.24	0.50
2:5e:158[B]:ILE:HD11	2:6g:158[B]:ILE:HD11	1.92	0.50
2:5e:274:LYS:CE	2:6g:251:VAL:O	2.57	0.50
2:5e:279:ILE:HA	2:6g:248:GLY:CA	2.41	0.50
2:5f:163:THR:H	2:5f:166:ASN:ND2	2.09	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:253:ALA:HA	2:8i:270:ILE:HD12	1.93	0.50
2:6f:200:LEU:O	2:5h:197:GLN:HG3	2.11	0.50
2:6h:269:LEU:HD23	2:8j:269:LEU:CD2	2.42	0.50
2:7a:242:LEU:O	2:6v:234:LEU:CD2	2.60	0.50
2:8h:228:ALA:HB1	2:7i:228:ALA:CB	2.28	0.50
2:8h:242:LEU:CG	2:7i:244:GLY:HA3	2.41	0.50
2:9F:243:GLY:N	2:9O:234:LEU:HD21	2.17	0.50
2:1i:163:THR:H	2:1i:166:ASN:ND2	2.09	0.50
2:1i:247:LYS:CD	2:2e:239:THR:CG2	2.52	0.50
2:1j:247:LYS:CB	2:3j:239:THR:HG22	2.39	0.50
2:1k:151:ASN:HD22	2:3k:160:GLY:HA3	1.77	0.50
2:1k:232:TYR:CZ	2:3k:234:LEU:HB2	2.47	0.50
2:2g:61:ALA:HB1	2:3i:57:MET:HB3	1.93	0.50
2:2i:163:THR:H	2:2i:166:ASN:ND2	2.09	0.50
2:3i:232:TYR:CD2	2:4g:232:TYR:CD2	2.99	0.50
2:3l:77:LEU:HD12	2:3l:110:LEU:HG	1.92	0.50
2:4h:58:TYR:HB2	2:3p:2:MET:HE1	1.89	0.50
2:4h:111:VAL:HG11	2:3p:41:TYR:OH	2.12	0.50
2:6i:148[B]:ILE:CD1	2:8o:148[B]:ILE:HD13	2.42	0.50
2:6j:212:GLY:HA3	2:7k:203:ASN:ND2	2.27	0.50
2:6j:246:LYS:HD3	2:7k:240:THR:C	2.36	0.50
2:6k:199:LEU:CD2	2:7e:186:ALA:HA	2.42	0.50
2:6k:280:SER:CB	2:7e:248:GLY:O	2.60	0.50
2:6l:232:TYR:HD2	2:7h:232:TYR:CZ	2.29	0.50
2:7i:226:ILE:O	2:8l:223:ARG:HG2	2.12	0.50
2:8m:222:LEU:C	2:9H:226:ILE:CD1	2.76	0.50
2:8o:118:ILE:CD1	2:8o:118:ILE:N	2.73	0.50
2:8p:118:ILE:HG12	2:8p:118:ILE:O	2.11	0.50
2:2l:244:GLY:HA2	2:3m:243:GLY:C	2.31	0.50
2:2l:246:LYS:CE	2:3m:240:THR:CA	2.89	0.50
2:3m:193:LYS:HG2	2:4i:199:LEU:O	2.12	0.50
2:6o:226:ILE:CG2	2:7j:222:LEU:HB2	2.34	0.50
2:6p:136:LEU:O	2:7m:132:GLY:HA3	2.11	0.50
2:6p:173:LEU:HD13	2:8v:160:GLY:HA2	1.93	0.50
2:7n:116:LYS:HG3	2:7n:117:GLU:HG3	1.92	0.50
2:8q:229:GLY:HA3	2:9H:231:PRO:CA	2.40	0.50
2:8r:77:LEU:HD12	2:8r:110:LEU:HG	1.92	0.50
2:8s:244:GLY:HA3	2:9I:243:GLY:N	2.25	0.50
2:8v:116:LYS:CA	2:8v:116:LYS:CE	2.86	0.50
2:1s:154:ALA:HB1	2:3s:158[A]:ILE:HA	1.92	0.50
2:1s:266:LEU:HD13	2:3s:266:LEU:HB2	1.90	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:278:ILE:HG22	2:3s:278:ILE:HD12	1.91	0.50
2:2o:116:LYS:HG3	2:2o:117:GLU:HG3	1.92	0.50
2:2q:200:LEU:HD13	2:4k:200:LEU:HD13	1.93	0.50
2:2q:200:LEU:HD22	2:4k:200:LEU:HD12	1.92	0.50
2:2r:248:GLY:O	2:4l:280:SER:N	2.42	0.50
2:5k:120:ILE:HD12	2:6s:120:ILE:HD13	1.94	0.50
2:5k:229:GLY:HA3	2:6s:231:PRO:HA	1.94	0.50
2:6q:193:LYS:HE3	2:9K:199:LEU:C	2.37	0.50
2:6t:245:VAL:O	2:7r:237:ALA:CB	2.60	0.50
2:8w:225:MET:CE	2:9I:212:GLY:C	2.80	0.50
2:8w:239:THR:CA	2:9I:246:LYS:HD3	2.42	0.50
2:8y:247:LYS:CG	2:9J:239:THR:CG2	2.68	0.50
2:1w:77:LEU:HD12	2:1w:110:LEU:HG	1.93	0.50
2:1w:120:ILE:HD12	2:3w:120:ILE:CD1	2.42	0.50
2:1w:151:ASN:HD22	2:3w:160:GLY:HA3	1.77	0.50
2:2v:200:LEU:HD22	2:4m:200:LEU:HD11	1.93	0.50
2:2v:246:LYS:CE	2:3u:240:THR:CA	2.89	0.50
2:2w:167:LYS:HB3	2:4n:174:LEU:O	2.12	0.50
2:5m:120:ILE:CD1	2:6w:120:ILE:HD13	2.41	0.50
2:5m:149[B]:ILE:HG23	2:6w:158[B]:ILE:HG23	1.93	0.50
2:6w:280:SER:CB	2:7t:248:GLY:O	2.60	0.50
2:6x:148[B]:ILE:CD1	2:7w:148[B]:ILE:HD12	2.39	0.50
2:7v:163:THR:H	2:7v:166:ASN:ND2	2.09	0.50
1:4C:228:GLN:OE1	1:4C:228:GLN:N	2.29	0.50
1:5E:447:GLN:HG3	2:5e:44:VAL:HG21	1.93	0.50
1:6A:36:VAL:N	1:6A:37:PRO:HD2	2.27	0.50
1:1J:392:THR:OG1	1:1J:393:GLY:N	2.43	0.50
1:5J:314:ASN:C	1:5J:314:ASN:OD1	2.54	0.50
1:7J:103:ASP:OD1	1:7J:103:ASP:C	2.55	0.50
1:3P:63:THR:O	1:3P:63:THR:CG2	2.60	0.50
1:6M:110:TYR:O	1:6M:110:TYR:CG	2.61	0.50
1:7K:331:SER:OG	1:7K:332:VAL:N	2.44	0.50
1:1S:242:SER:OG	1:1S:337:ASN:ND2	2.44	0.50
1:2P:310:GLU:OE1	1:2P:310:GLU:HA	2.12	0.50
1:3U:444:GLY:O	2:3t:45:LYS:HG3	2.11	0.50
1:4V:19:ASP:OD1	1:4V:19:ASP:C	2.54	0.50
1:4X:445:GLY:H	2:4l:44:VAL:CG2	2.20	0.50
1:5W:392:THR:HB	2:5k:107:LEU:HG	1.93	0.50
1:6V:419:ASP:OD1	1:6V:419:ASP:C	2.54	0.50
1:8V:444:GLY:CA	2:9K:45:LYS:HD2	2.42	0.50
1:3c:448:ALA:CB	2:3v:41:TYR:HD2	2.23	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3d:205:SER:OG	1:3d:206:SER:N	2.45	0.50
1:4a:202:GLU:O	1:4a:202:GLU:HG3	2.10	0.50
1:5c:245:GLU:OE1	1:5c:245:GLU:N	2.26	0.50
1:6c:202:GLU:CD	1:6c:205:SER:HB3	2.36	0.50
1:7V:395:ALA:HB3	2:7v:107:LEU:HG	1.94	0.50
2:1f:57:MET:HE2	2:2a:111:VAL:HG13	1.93	0.50
2:1g:148[A]:ILE:HG22	2:3g:145:ARG:HG2	1.92	0.50
2:2b:108:VAL:O	2:2b:108:VAL:HG13	2.11	0.50
2:2c:201:VAL:CA	2:3l:197:GLN:HE21	2.24	0.50
2:2c:229:GLY:O	2:3l:228:ALA:HA	2.11	0.50
2:2d:61:ALA:HB1	2:3k:57:MET:HB3	1.92	0.50
2:5e:163:THR:H	2:5e:166:ASN:ND2	2.09	0.50
2:7b:136:LEU:O	2:6u:132:GLY:HA3	2.10	0.50
2:8e:232:TYR:HB3	2:9F:232:TYR:HB2	1.88	0.50
2:8g:234:LEU:CG	2:9G:242:LEU:HB2	2.41	0.50
2:1i:110:LEU:N	2:1i:110:LEU:CD1	2.73	0.50
2:1i:236:ALA:N	2:2e:242:LEU:HD11	2.26	0.50
2:1k:154:ALA:CB	2:3k:158[A]:ILE:HA	2.40	0.50
2:1l:163:THR:H	2:1l:166:ASN:ND2	2.09	0.50
2:2g:238:THR:C	2:4g:247:LYS:HB2	2.36	0.50
2:2g:244:GLY:HA2	2:3i:243:GLY:C	2.31	0.50
2:2h:111:VAL:HG13	2:4h:57:MET:HE2	1.92	0.50
2:2h:203:ASN:N	2:3p:210:LEU:O	2.45	0.50
2:2i:250:ALA:CB	2:3o:281:LEU:O	2.59	0.50
2:6i:193:LYS:HE3	2:8o:199:LEU:C	2.37	0.50
2:6l:278:ILE:O	2:8p:248:GLY:N	2.38	0.50
2:7h:108:VAL:O	2:7h:108:VAL:HG13	2.11	0.50
2:8k:199:LEU:HD22	2:9G:187:THR:N	2.27	0.50
2:8m:118:ILE:HG22	2:8m:120:ILE:HG23	1.94	0.50
2:1n:206:VAL:CG1	2:2k:210:LEU:HD23	2.42	0.50
2:2j:219:LYS:O	2:1t:226:ILE:O	2.30	0.50
2:2j:269:LEU:HD22	2:1t:270:ILE:HG12	1.92	0.50
2:2l:212:GLY:HA2	2:3m:203:ASN:ND2	2.25	0.50
2:2m:127:ASP:OD1	2:3t:122:VAL:HG23	2.11	0.50
2:4j:118:ILE:HG12	2:4j:118:ILE:O	2.11	0.50
2:5i:122:VAL:HG23	2:7j:127:ASP:OD1	2.11	0.50
2:5i:158[A]:ILE:HD11	2:6o:158[A]:ILE:HG12	1.94	0.50
2:6m:132:GLY:HA3	2:7q:136:LEU:O	2.11	0.50
2:6m:148[B]:ILE:CD1	2:8u:148[B]:ILE:HD13	2.42	0.50
2:6m:167:LYS:HG2	2:8u:174:LEU:HA	1.94	0.50
2:6o:242:LEU:CB	2:7j:234:LEU:HG	2.40	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6p:114:ARG:NH1	2:8v:115:SER:OG	2.45	0.50
2:8s:118:ILE:HG22	2:8s:120:ILE:HG23	1.94	0.50
2:8s:222:LEU:HD12	2:9I:226:ILE:HG22	1.80	0.50
2:8u:77:LEU:HD12	2:8u:110:LEU:HG	1.93	0.50
2:8u:118:ILE:O	2:7q:124:ASP:HB3	2.12	0.50
2:1r:200:LEU:HD13	2:2p:200:LEU:HD13	1.92	0.50
2:1s:120:ILE:HD12	2:3s:120:ILE:CD1	2.42	0.50
2:2o:108:VAL:O	2:2o:108:VAL:HG13	2.11	0.50
2:2q:212:GLY:HA3	2:3q:203:ASN:HB2	1.94	0.50
2:4l:163:THR:H	2:4l:166:ASN:ND2	2.09	0.50
2:6t:118:ILE:CD1	2:6t:118:ILE:N	2.73	0.50
2:6t:136:LEU:O	2:7r:132:GLY:HA3	2.11	0.50
2:8y:129:GLY:HA3	2:9M:138:ILE:O	2.12	0.50
2:2v:244:GLY:HA3	2:3u:242:LEU:HB3	1.94	0.50
2:2v:245:VAL:HG23	2:3u:237:ALA:HB1	1.94	0.50
2:5m:111:VAL:HG21	2:7t:57:MET:CE	2.32	0.50
2:5n:225:MET:SD	2:7u:209:LEU:CD1	2.97	0.50
2:6w:222:LEU:HD23	2:7t:209:LEU:HD11	1.94	0.50
2:6x:114:ARG:NH1	2:9R:115:SER:OG	2.45	0.50
2:7w:111:VAL:HG11	2:9R:57:MET:HE2	1.93	0.50
2:9M:196:LEU:CD2	2:9J:183:PHE:CE1	2.83	0.50
2:9M:239:THR:CA	2:9J:246:LYS:HD3	2.41	0.50
2:9M:270:ILE:CG2	2:9J:251:VAL:CG2	2.83	0.50
1:1A:448:ALA:HB3	2:1e:63:TRP:HE1	1.76	0.50
1:2B:354:VAL:HG21	1:2B:433:ALA:HB2	1.93	0.50
1:2C:393:GLY:O	2:2a:15:ALA:HB3	2.11	0.50
1:3B:30:ASP:OD1	1:3B:30:ASP:C	2.54	0.50
1:4C:314:ASN:OD1	1:4C:314:ASN:C	2.54	0.50
1:5C:156:TRP:O	1:5C:158:ASN:N	2.45	0.50
1:6C:428:LEU:N	1:6C:428:LEU:HD23	2.26	0.50
1:6F:228:GLN:OE1	1:6F:228:GLN:N	2.32	0.50
1:7A:283:ASP:OD1	1:7A:283:ASP:C	2.55	0.50
1:2F:392:THR:C	2:2h:46:ASP:OD2	2.55	0.50
1:5I:19:ASP:OD1	1:5I:19:ASP:C	2.55	0.50
1:9B:397:THR:OG1	1:9B:399:ASP:OD1	2.29	0.50
1:1M:447:GLN:O	2:1m:42:VAL:HG12	2.11	0.50
1:1N:36:VAL:N	1:1N:37:PRO:HD2	2.26	0.50
1:2L:245:GLU:OE1	1:2L:245:GLU:N	2.29	0.50
1:3Q:397:THR:OG1	1:3Q:399:ASP:OD1	2.30	0.50
1:4P:252:ASP:OD1	1:4P:252:ASP:C	2.53	0.50
1:5P:355:SER:CB	1:5P:356:PRO:CD	2.89	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2R:25:ARG:NE	2:4L:51:ASP:OD1	2.45	0.50
1:2T:202:GLU:CD	1:2T:202:GLU:C	2.80	0.50
1:3X:228:GLN:OE1	1:3X:228:GLN:N	2.34	0.50
1:5S:244:MET:C	1:5S:244:MET:SD	2.94	0.50
1:5S:315:PRO:O	1:5S:316:ARG:HB3	2.11	0.50
1:5U:156:TRP:O	1:5U:158:ASN:N	2.45	0.50
1:2U:26:ASN:ND2	2:1h:51:ASP:OD1	2.43	0.50
1:5Y:315:PRO:O	1:5Y:316:ARG:HB3	2.11	0.50
1:7V:245:GLU:OE1	1:7V:245:GLU:N	2.31	0.50
1:7X:107:GLU:OE1	1:7X:107:GLU:CA	2.56	0.50
2:1g:273:LEU:HD13	2:3g:273:LEU:HD11	1.89	0.50
2:2b:57:MET:CE	2:4e:111:VAL:HG21	2.39	0.50
2:2c:108:VAL:O	2:2c:108:VAL:HG13	2.11	0.50
2:5e:263:VAL:HG22	2:6g:256:ALA:CB	2.18	0.50
2:6e:148[B]:ILE:CD1	2:8i:148[B]:ILE:HD13	2.42	0.50
2:6f:236:ALA:CA	2:7f:242:LEU:HD13	2.42	0.50
2:6f:236:ALA:HA	2:7f:242:LEU:HD22	1.94	0.50
2:6g:28:ILE:HD11	2:7Z:99:VAL:HA	1.94	0.50
2:6h:118:ILE:CD1	2:6h:118:ILE:N	2.73	0.50
2:6h:245:VAL:O	2:7c:237:ALA:HB1	2.12	0.50
2:7d:119:SER:CA	2:9P:124:ASP:O	2.58	0.50
2:8e:175:PHE:HA	2:9F:171:GLN:HE21	1.75	0.50
2:8f:77:LEU:HD12	2:8f:110:LEU:HG	1.92	0.50
2:9F:203:ASN:CG	2:9O:212:GLY:HA2	2.33	0.50
2:1i:238:THR:O	2:1p:247:LYS:CB	2.59	0.50
2:1k:118:ILE:HG22	2:1k:120:ILE:HG23	1.94	0.50
2:2f:206:VAL:HG22	2:3j:209:LEU:CD1	2.41	0.50
2:3l:163:THR:H	2:3l:166:ASN:ND2	2.09	0.50
2:6i:251:VAL:N	2:8o:279:ILE:HD12	2.26	0.50
2:6j:196:LEU:HB3	2:7k:200:LEU:CD2	2.42	0.50
2:6k:222:LEU:HD23	2:7e:209:LEU:HD11	1.94	0.50
2:7h:183:PHE:HZ	2:8p:183:PHE:CG	2.30	0.50
2:8m:131:THR:OG1	2:8q:140:THR:CA	2.60	0.50
2:8o:61:ALA:CB	2:7l:57:MET:HB3	2.33	0.50
2:1m:163:THR:H	2:1m:166:ASN:ND2	2.09	0.50
2:1o:280:SER:HB2	2:3o:249:ALA:CA	2.42	0.50
2:2m:180:VAL:HG11	2:3t:184:LEU:HD22	1.92	0.50
2:2m:242:LEU:HB2	2:3t:234:LEU:CD2	2.38	0.50
2:3m:232:TYR:CD2	2:4i:232:TYR:CD2	2.99	0.50
2:5i:110:LEU:N	2:5i:110:LEU:CD1	2.73	0.50
2:5i:245:VAL:O	2:7j:242:LEU:HD22	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5i:245:VAL:HG13	2:6o:245:VAL:CG2	2.42	0.50
2:6m:167:LYS:HG2	2:8u:173:LEU:O	2.12	0.50
2:6n:118:ILE:HG22	2:6n:120:ILE:HG23	1.94	0.50
2:6n:222:LEU:HB3	2:7p:226:ILE:HG21	1.93	0.50
2:6o:222:LEU:CD2	2:7j:209:LEU:HD11	2.42	0.50
2:6o:280:SER:OG	2:7j:247:LYS:HE2	2.12	0.50
2:6p:245:VAL:O	2:7m:237:ALA:CB	2.60	0.50
2:6p:269:LEU:HD23	2:8v:269:LEU:CD2	2.42	0.50
2:7m:183:PHE:HZ	2:8v:183:PHE:CG	2.30	0.50
2:8q:150:GLU:CD	2:9H:145:ARG:HH12	2.20	0.50
2:8q:239:THR:CA	2:9H:246:LYS:HD3	2.42	0.50
2:8q:259:VAL:HG11	2:9H:258:ASP:O	2.12	0.50
2:8r:97:TYR:CZ	2:8r:111:VAL:CB	2.82	0.50
2:8r:118:ILE:HG22	2:8r:120:ILE:HG23	1.94	0.50
2:8s:129:GLY:HA3	2:8w:138:ILE:O	2.12	0.50
2:8s:141:PRO:HB2	2:9I:150:GLU:CD	2.36	0.50
2:8s:247:LYS:HG2	2:9I:280:SER:HG	1.77	0.50
2:1r:239:THR:HA	2:2p:247:LYS:H	1.76	0.50
2:2r:167:LYS:HB3	2:4l:174:LEU:O	2.11	0.50
2:3t:118:ILE:HG22	2:3t:120:ILE:HG23	1.94	0.50
2:5k:148[A]:ILE:HG22	2:6s:145:ARG:HG2	1.93	0.50
2:5k:158[A]:ILE:HD11	2:6s:158[A]:ILE:HG12	1.94	0.50
2:6q:251:VAL:N	2:9K:279:ILE:HD12	2.26	0.50
2:6r:97:TYR:CZ	2:6r:111:VAL:CB	2.82	0.50
2:6r:118:ILE:HG22	2:6r:120:ILE:HG23	1.94	0.50
2:6s:163:THR:H	2:6s:166:ASN:ND2	2.09	0.50
2:6t:41:TYR:OH	2:9L:111:VAL:HG21	2.12	0.50
2:6t:245:VAL:O	2:7r:237:ALA:HB1	2.12	0.50
2:7q:108:VAL:O	2:7q:108:VAL:HG13	2.11	0.50
2:8y:118:ILE:HG22	2:8y:120:ILE:HG23	1.94	0.50
2:8z:242:LEU:CG	2:7x:244:GLY:HA3	2.41	0.50
2:9K:118:ILE:HG22	2:9K:120:ILE:HG23	1.94	0.50
2:2v:238:THR:C	2:4m:247:LYS:HB2	2.36	0.50
2:2w:111:VAL:HG11	2:4n:41:TYR:OH	2.12	0.50
2:6u:148[B]:ILE:CD1	2:9Q:148[B]:ILE:HD13	2.42	0.50
2:6w:116:LYS:CA	2:6w:116:LYS:CE	2.86	0.50
2:7w:183:PHE:HZ	2:9R:183:PHE:CG	2.30	0.50
2:7x:120:ILE:HD13	2:9N:120:ILE:HD11	0.62	0.50
2:9M:206:VAL:HG11	2:9J:210:LEU:HA	1.94	0.50
2:9N:97:TYR:CZ	2:9N:111:VAL:CB	2.82	0.50
1:1B:36:VAL:N	1:1B:37:PRO:HD2	2.26	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1D:447:GLN:O	1:1D:448:ALA:CB	2.59	0.50
1:3D:391:SER:OG	1:3D:392:THR:N	2.45	0.50
1:4C:202:GLU:O	1:4C:202:GLU:HG3	2.10	0.50
1:4F:443:SER:N	2:4f:56:ASN:ND2	2.54	0.50
1:5A:202:GLU:O	1:5A:209:ALA:CB	2.54	0.50
1:5B:228:GLN:H	1:5B:228:GLN:CD	2.16	0.50
1:6A:437:ILE:O	1:6A:438:ARG:HB2	2.12	0.50
1:7A:445:GLY:HA3	2:7d:54:GLN:O	2.12	0.50
1:7C:392:THR:HB	2:7a:14:MET:HE3	1.93	0.50
1:7E:103:ASP:OD1	1:7E:103:ASP:C	2.55	0.50
1:8B:443:SER:HA	2:8f:45:LYS:NZ	2.26	0.50
1:9A:228:GLN:OE1	1:9A:228:GLN:N	2.26	0.50
1:1G:420:ILE:O	1:1G:427:LYS:N	2.29	0.50
1:1I:200:ILE:HD12	1:1I:213:PHE:HD1	1.73	0.50
1:1L:356:PRO:CD	1:1L:369:PHE:HD2	2.15	0.50
1:2I:331:SER:OG	1:2I:332:VAL:N	2.44	0.50
1:3G:202:GLU:HB3	1:3G:343:SER:HB2	1.92	0.50
1:4H:54:ASN:OD1	1:4H:54:ASN:C	2.53	0.50
1:4H:203:PRO:O	1:4H:204:THR:OG1	2.30	0.50
1:5H:68:ARG:HB3	1:5H:68:ARG:HH11	1.76	0.50
1:5H:228:GLN:H	1:5H:228:GLN:CD	2.16	0.50
1:6G:314:ASN:OD1	1:6G:314:ASN:C	2.52	0.50
1:7F:444:GLY:HA3	2:7i:45:LYS:HE3	1.92	0.50
1:2L:392:THR:CB	2:2l:46:ASP:OD2	2.58	0.50
1:3N:101:TYR:CD2	1:3N:101:TYR:C	2.90	0.50
1:3Q:200:ILE:CD1	1:3Q:213:PHE:CD1	2.95	0.50
1:5N:135:ASN:OD1	1:5N:135:ASN:N	2.45	0.50
1:5R:443:SER:CA	2:5j:45:LYS:HD3	2.41	0.50
1:8P:447:GLN:HG2	2:8u:44:VAL:HG23	1.94	0.50
1:2R:397:THR:CA	2:2p:107:LEU:HB2	2.38	0.50
1:3V:245:GLU:OE1	1:3V:245:GLU:N	2.28	0.50
1:3V:407:ASN:HB2	2:3s:44:VAL:O	2.12	0.50
1:5T:95:ARG:HG2	1:5U:67:ASP:HB3	1.93	0.50
1:6S:110:TYR:O	1:6S:110:TYR:CG	2.61	0.50
1:1a:234:ASN:OD1	1:1a:234:ASN:C	2.55	0.50
1:2U:245:GLU:OE1	1:2U:245:GLU:N	2.33	0.50
1:2X:25:ARG:NH2	2:3u:51:ASP:OD2	2.45	0.50
1:4a:409:ASP:OD1	1:4a:409:ASP:C	2.52	0.50
1:7W:67:ASP:O	1:7W:68:ARG:HB2	2.12	0.50
1:7W:403:SER:C	2:7u:16:TYR:HH	2.17	0.50
1:8Z:448:ALA:HB3	2:9N:41:TYR:CE2	2.47	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:244:GLY:HA2	2:3e:243:GLY:H	1.71	0.50
2:2d:250:ALA:CB	2:3k:281:LEU:O	2.60	0.50
2:4f:111:VAL:HG11	2:3l:41:TYR:OH	2.12	0.50
2:4f:118:ILE:HG12	2:4f:118:ILE:O	2.11	0.50
2:5e:247:LYS:HB2	2:7Z:238:THR:O	2.12	0.50
2:6e:118:ILE:HG12	2:6e:118:ILE:O	2.11	0.50
2:6e:251:VAL:N	2:8i:279:ILE:HD12	2.26	0.50
2:6f:163:THR:H	2:6f:166:ASN:ND2	2.09	0.50
2:6h:131:THR:OG1	2:8j:140:THR:CA	2.60	0.50
2:6h:232:TYR:HD2	2:7c:232:TYR:CZ	2.29	0.50
2:7a:200:LEU:CD2	2:6v:196:LEU:HB3	2.42	0.50
2:7a:240:THR:C	2:6v:246:LYS:HD3	2.36	0.50
2:7d:244:GLY:HA3	2:9P:242:LEU:CG	2.41	0.50
2:8e:265:ASP:CB	2:9O:266:LEU:HD21	2.41	0.50
2:1i:72:LYS:NZ	2:2e:26:ASP:OD1	2.43	0.50
2:1l:126:LYS:C	2:1l:126:LYS:CD	2.85	0.50
2:2e:219:LYS:O	2:1p:226:ILE:O	2.30	0.50
2:2h:201:VAL:CA	2:3p:197:GLN:HE21	2.24	0.50
2:3l:118:ILE:HG22	2:3l:120:ILE:HG23	1.94	0.50
2:5g:118:ILE:HG22	2:5g:120:ILE:HG23	1.94	0.50
2:5g:200:LEU:O	2:6k:193:LYS:HB3	2.12	0.50
2:6i:167:LYS:HG2	2:8o:173:LEU:O	2.12	0.50
2:6l:245:VAL:O	2:7h:237:ALA:HB1	2.12	0.50
2:8k:150:GLU:CD	2:9G:145:ARG:HH12	2.20	0.50
2:8k:238:THR:C	2:9G:246:LYS:HD3	2.31	0.50
2:8k:239:THR:CA	2:9G:246:LYS:HD3	2.41	0.50
2:1m:118:ILE:HG22	2:1m:120:ILE:HG23	1.94	0.50
2:1o:120:ILE:HD12	2:3o:120:ILE:CD1	2.42	0.50
2:1o:154:ALA:CB	2:3o:158[A]:ILE:HA	2.40	0.50
2:1o:263:VAL:HG13	2:3o:254:SER:HG	1.61	0.50
2:2j:223:ARG:HG2	2:1t:228:ALA:CB	2.33	0.50
2:2k:206:VAL:HG22	2:3n:209:LEU:CD1	2.41	0.50
2:2l:200:LEU:HD13	2:4i:200:LEU:HD13	1.93	0.50
2:2m:167:LYS:HB3	2:4j:174:LEU:O	2.12	0.50
2:2m:203:ASN:N	2:3t:210:LEU:O	2.45	0.50
2:2m:226:ILE:HD12	2:3t:223:ARG:CA	2.25	0.50
2:2n:57:MET:HE2	2:1s:111:VAL:HG13	1.94	0.50
2:2n:116:LYS:HG3	2:2n:117:GLU:HG3	1.92	0.50
2:2n:210:LEU:HD21	2:3s:210:LEU:HD21	1.94	0.50
2:2n:269:LEU:CG	2:3s:270:ILE:HG12	2.41	0.50
2:4j:58:TYR:HB2	2:3t:2:MET:HE1	1.88	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:139:ASN:C	2:8u:131:THR:H	2.19	0.50
2:6o:199:LEU:CD2	2:7j:186:ALA:HA	2.42	0.50
2:7m:139:ASN:O	2:8v:130:ASP:HB2	2.11	0.50
2:8q:199:LEU:HD22	2:9H:187:THR:N	2.27	0.50
2:1s:151:ASN:HD22	2:3s:160:GLY:HA3	1.77	0.50
2:1s:226:ILE:HA	2:3s:219:LYS:HG2	1.93	0.50
2:1s:232:TYR:CZ	2:3s:234:LEU:HB2	2.47	0.50
2:2r:278:ILE:HD13	2:4l:278:ILE:HG23	1.94	0.50
2:2s:196:LEU:CD1	2:3w:200:LEU:HD23	2.41	0.50
2:2s:210:LEU:CD2	2:3w:210:LEU:HD21	2.41	0.50
2:5k:149[B]:ILE:HG23	2:6s:158[B]:ILE:HG23	1.93	0.50
2:6r:222:LEU:HD13	2:7u:226:ILE:CG2	2.41	0.50
2:6s:118:ILE:HG12	2:6s:118:ILE:O	2.11	0.50
2:7r:108:VAL:O	2:7r:108:VAL:HG13	2.11	0.50
2:7s:120:ILE:HD13	2:8x:120:ILE:HD11	0.62	0.50
2:8y:141:PRO:HB2	2:9J:150:GLU:CD	2.36	0.50
2:8z:253:ALA:HA	2:9N:270:ILE:HD13	1.93	0.50
2:2x:108:VAL:O	2:2x:108:VAL:HG13	2.11	0.50
2:4m:118:ILE:HG22	2:4m:120:ILE:HG23	1.94	0.50
2:5m:200:LEU:O	2:6w:193:LYS:HB3	2.12	0.50
2:5n:116:LYS:CA	2:5n:116:LYS:CE	2.86	0.50
2:6u:193:LYS:HE3	2:9Q:199:LEU:C	2.37	0.50
2:6w:222:LEU:CD2	2:7t:209:LEU:HD11	2.42	0.50
2:6w:280:SER:OG	2:7t:247:LYS:HE2	2.12	0.50
2:6x:118:ILE:HG22	2:6x:120:ILE:HG23	1.94	0.50
2:9N:163:THR:H	2:9N:166:ASN:ND2	2.09	0.50
2:9Q:110:LEU:N	2:9Q:110:LEU:CD1	2.73	0.50
1:1B:355:SER:HB3	1:1B:356:PRO:HD3	1.93	0.50
1:1F:354:VAL:HG21	1:1F:433:ALA:N	2.27	0.50
1:2E:397:THR:HA	2:2d:107:LEU:HB2	1.94	0.50
1:5B:68:ARG:HB3	1:5B:68:ARG:HH11	1.76	0.50
1:8D:444:GLY:O	2:8i:45:LYS:HD2	2.11	0.50
1:1G:363:GLN:NE2	1:1G:408:GLU:O	2.44	0.50
1:1J:27:SER:OG	1:1J:28:GLN:N	2.43	0.50
1:2F:310:GLU:OE1	1:2F:310:GLU:HA	2.12	0.50
1:3J:391:SER:OG	1:3J:392:THR:N	2.45	0.50
1:4G:380:ASP:OD1	1:4G:380:ASP:C	2.51	0.50
1:5H:343:SER:OG	1:5H:344:GLY:N	2.44	0.50
1:6L:228:GLN:OE1	1:6L:228:GLN:N	2.32	0.50
1:8H:200:ILE:C	1:8H:201:ASP:OD1	2.55	0.50
1:2N:331:SER:OG	1:2N:332:VAL:N	2.44	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4P:19:ASP:OD1	1:4P:19:ASP:C	2.54	0.50
1:5N:95:ARG:HG2	1:5O:67:ASP:HB3	1.93	0.50
1:2R:385:TRP:H	2:2p:106:GLN:HE22	1.59	0.50
1:2R:392:THR:HG23	2:2p:46:ASP:CB	2.40	0.50
1:3U:355:SER:HB2	1:3U:356:PRO:HD2	1.93	0.50
1:4X:446:ALA:CB	2:4l:56:ASN:CB	2.87	0.50
1:5V:355:SER:CB	1:5V:356:PRO:CD	2.89	0.50
1:5W:135:ASN:N	1:5W:135:ASN:OD1	2.43	0.50
1:5X:447:GLN:HG2	2:5l:44:VAL:HG12	1.93	0.50
1:6S:437:ILE:O	1:6S:438:ARG:HB2	2.12	0.50
1:7T:287:SER:OG	1:7T:288:THR:N	2.43	0.50
1:8U:245:GLU:OE1	1:8U:245:GLU:N	2.30	0.50
1:8U:447:GLN:C	2:9L:41:TYR:HD1	2.20	0.50
1:9D:445:GLY:HA3	2:9I:53:THR:CG2	2.42	0.50
1:2X:331:SER:OG	1:2X:332:VAL:N	2.44	0.50
1:3d:135:ASN:N	1:3d:135:ASN:OD1	2.40	0.50
1:5Y:204:THR:OG1	1:5Y:205:SER:N	2.45	0.50
1:6Y:30:ASP:OD1	1:6Y:30:ASP:C	2.54	0.50
1:6Y:36:VAL:N	1:6Y:37:PRO:HD2	2.27	0.50
1:6Y:446:ALA:O	2:6x:56:ASN:CB	2.60	0.50
1:6b:137:GLN:O	1:6b:137:GLN:HG3	2.12	0.50
1:7U:283:ASP:OD1	1:7U:283:ASP:C	2.55	0.50
1:7Y:103:ASP:OD1	1:7Y:103:ASP:C	2.55	0.50
2:1e:77:LEU:HD12	2:1e:110:LEU:HG	1.93	0.50
2:1f:124:ASP:O	2:2a:119:SER:HA	2.12	0.50
2:1g:280:SER:HB2	2:3g:249:ALA:CA	2.42	0.50
2:1h:247:LYS:O	2:1u:239:THR:HA	2.12	0.50
2:2Z:108:VAL:O	2:2Z:108:VAL:HG13	2.11	0.50
2:2a:240:THR:CA	2:3f:246:LYS:HD3	2.25	0.50
2:2d:163:THR:H	2:2d:166:ASN:ND2	2.09	0.50
2:2d:170:LEU:HB3	2:3k:174:LEU:HD22	1.94	0.50
2:2d:197:GLN:HE21	2:3k:201:VAL:HG22	1.75	0.50
2:5f:226:ILE:HD11	2:6v:226:ILE:HD11	1.94	0.50
2:6e:256:ALA:H	2:8i:263:VAL:HG22	1.77	0.50
2:6f:222:LEU:HD13	2:7f:226:ILE:CG2	2.41	0.50
2:6f:222:LEU:HB3	2:7f:226:ILE:HG21	1.93	0.50
2:7c:139:ASN:O	2:8j:130:ASP:HB2	2.11	0.50
2:7c:183:PHE:HZ	2:8j:183:PHE:CG	2.30	0.50
2:8e:140:THR:CA	2:9O:131:THR:OG1	2.60	0.50
2:8e:247:LYS:CB	2:9O:237:ALA:HB1	2.22	0.50
2:8i:118:ILE:O	2:7g:124:ASP:HB3	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:150:GLU:CD	2:9O:141:PRO:HB2	2.36	0.50
2:2e:196:LEU:CB	2:1p:200:LEU:HD23	2.42	0.50
2:2i:61:ALA:HB1	2:3o:57:MET:HB3	1.92	0.50
2:2i:254:SER:HB3	2:3o:267:ASN:HD21	1.77	0.50
2:5g:158[A]:ILE:HD11	2:6k:158[A]:ILE:HG12	1.94	0.50
2:6i:256:ALA:H	2:8o:263:VAL:HG22	1.77	0.50
2:6j:200:LEU:O	2:5j:197:GLN:HG3	2.11	0.50
2:6l:41:TYR:OH	2:8p:111:VAL:HG21	2.12	0.50
2:7e:108:VAL:O	2:7e:108:VAL:HG13	2.11	0.50
2:7h:219:LYS:HE3	2:8p:226:ILE:HA	1.94	0.50
2:8k:118:ILE:HG12	2:8k:118:ILE:O	2.11	0.50
2:8k:270:ILE:HG21	2:9G:251:VAL:HG22	1.92	0.50
2:8m:28:ILE:HB	2:8q:73:VAL:HG11	1.92	0.50
2:8m:183:PHE:CD1	2:9H:199:LEU:CB	2.95	0.50
2:8n:253:ALA:HA	2:8r:270:ILE:HD13	1.93	0.50
2:1o:151:ASN:HD22	2:3o:160:GLY:HA3	1.77	0.50
2:2k:116:LYS:HG3	2:2k:117:GLU:HG3	1.92	0.50
2:2m:127:ASP:CG	2:3t:122:VAL:HG23	2.37	0.50
2:2n:23:GLN:HG3	2:1s:74:GLY:HA3	1.92	0.50
2:2n:231:PRO:CA	2:3s:229:GLY:HA3	2.41	0.50
2:2n:254:SER:HB3	2:3s:267:ASN:HD21	1.77	0.50
2:3m:118:ILE:HG12	2:3m:118:ILE:O	2.11	0.50
2:3p:77:LEU:HD12	2:3p:110:LEU:HG	1.92	0.50
2:3p:163:THR:H	2:3p:166:ASN:ND2	2.09	0.50
2:6m:145:ARG:CG	2:8u:148[A]:ILE:CG2	2.89	0.50
2:6m:253:ALA:HA	2:8u:270:ILE:HD12	1.93	0.50
2:6n:196:LEU:HB3	2:7p:200:LEU:CD2	2.42	0.50
2:7n:226:ILE:O	2:8r:223:ARG:HG2	2.12	0.50
2:1q:247:LYS:CG	2:2o:239:THR:HG22	1.86	0.50
2:1r:206:VAL:CG1	2:2p:210:LEU:HD23	2.42	0.50
2:2o:247:LYS:HE2	2:1x:280:SER:CB	2.42	0.50
2:2r:242:LEU:CD2	2:3x:237:ALA:N	2.57	0.50
2:3q:273:LEU:CD2	2:4k:279:ILE:HG23	2.31	0.50
2:3r:118:ILE:HG22	2:3r:120:ILE:HG23	1.94	0.50
2:5k:254:SER:HB3	2:7o:266:LEU:HD21	1.93	0.50
2:6q:57:MET:CB	2:7v:61:ALA:HB1	2.38	0.50
2:6q:148[B]:ILE:CD1	2:7v:148[B]:ILE:HD13	2.42	0.50
2:6q:167:LYS:HG2	2:9K:173:LEU:O	2.12	0.50
2:6r:236:ALA:CA	2:7u:242:LEU:HD13	2.42	0.50
2:6s:222:LEU:CD2	2:7o:209:LEU:HD11	2.42	0.50
2:6s:228:ALA:HB1	2:7o:228:ALA:CB	2.42	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:280:SER:OG	2:7o:247:LYS:HE2	2.12	0.50
2:7r:139:ASN:O	2:9L:130:ASP:HB2	2.11	0.50
2:9K:118:ILE:O	2:7v:124:ASP:HB3	2.12	0.50
2:1u:234:LEU:CG	2:2t:242:LEU:HB2	2.39	0.50
2:1v:57:MET:HE2	2:2u:111:VAL:HG13	1.93	0.50
2:2w:278:ILE:HD13	2:4n:278:ILE:HG23	1.94	0.50
2:3u:273:LEU:CD2	2:4m:279:ILE:HG23	2.31	0.50
2:5m:118:ILE:HG22	2:5m:120:ILE:HG23	1.94	0.50
2:6x:41:TYR:OH	2:9R:111:VAL:HG21	2.12	0.50
2:7w:259:VAL:N	2:9R:259:VAL:CG1	2.73	0.50
2:9M:206:VAL:HG23	2:9J:212:GLY:CA	2.41	0.50
1:1D:36:VAL:N	1:1D:37:PRO:HD2	2.27	0.49
1:2C:392:THR:HA	2:2a:46:ASP:OD2	2.12	0.49
1:2D:331:SER:OG	1:2D:332:VAL:N	2.44	0.49
1:2E:202:GLU:C	1:2E:202:GLU:CD	2.80	0.49
1:3B:194:LEU:O	1:3B:235:SER:OG	2.30	0.49
1:3E:447:GLN:HA	2:3f:56:ASN:HB2	1.94	0.49
1:4E:209:ALA:CB	1:4E:212:GLU:OE2	2.60	0.49
1:4F:443:SER:OG	1:4F:444:GLY:N	2.44	0.49
1:8F:448:ALA:CB	2:8g:57:MET:HE2	2.31	0.49
1:1K:358:ILE:HG23	1:1K:358:ILE:O	2.10	0.49
1:1L:354:VAL:HG21	1:1L:433:ALA:N	2.27	0.49
1:3L:205:SER:OG	1:3L:206:SER:N	2.45	0.49
1:3L:447:GLN:NE2	2:3i:56:ASN:O	2.45	0.49
1:4K:444:GLY:HA2	2:4g:45:LYS:HZ2	1.71	0.49
1:4L:314:ASN:OD1	1:4L:314:ASN:C	2.55	0.49
1:4L:443:SER:CB	2:4h:44:VAL:HG21	2.41	0.49
1:5H:211:THR:O	1:5H:214:VAL:N	2.45	0.49
1:5J:58:GLN:O	1:5J:58:GLN:HG2	2.11	0.49
1:6J:137:GLN:O	1:6J:137:GLN:HG3	2.12	0.49
1:7H:67:ASP:O	1:7H:68:ARG:HB2	2.12	0.49
1:8L:447:GLN:CG	2:8m:44:VAL:CG2	2.90	0.49
1:1N:448:ALA:HB2	2:1n:41:TYR:CG	2.39	0.49
1:1O:447:GLN:HA	2:1o:42:VAL:CG1	2.42	0.49
1:1P:447:GLN:NE2	2:1p:60:LEU:HD11	2.27	0.49
1:2N:405:SER:O	2:2j:44:VAL:O	2.30	0.49
1:4R:447:GLN:HB2	2:4j:42:VAL:O	2.12	0.49
1:5O:156:TRP:O	1:5O:158:ASN:N	2.45	0.49
1:6N:245:GLU:OE1	1:6N:245:GLU:N	2.38	0.49
1:1S:373:VAL:HG21	1:1S:383:VAL:HG21	1.94	0.49
1:1T:355:SER:HB3	1:1T:356:PRO:HD3	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1U:18:TYR:O	1:1U:19:ASP:CB	2.60	0.49
1:3W:200:ILE:CD1	1:3W:213:PHE:CD1	2.95	0.49
1:3W:245:GLU:OE1	1:3W:245:GLU:N	2.25	0.49
1:6S:30:ASP:OD1	1:6S:30:ASP:C	2.54	0.49
1:1b:447:GLN:O	1:1b:448:ALA:CB	2.59	0.49
1:2V:393:GLY:HA2	2:2v:15:ALA:HB3	1.94	0.49
1:2Y:202:GLU:C	1:2Y:202:GLU:CD	2.80	0.49
1:3Z:355:SER:CB	1:3Z:356:PRO:CD	2.90	0.49
1:5Z:135:ASN:OD1	1:5Z:135:ASN:N	2.45	0.49
1:6Y:437:ILE:O	1:6Y:438:ARG:HB2	2.12	0.49
1:6Z:444:GLY:N	2:6w:56:ASN:HD21	2.08	0.49
1:8b:444:GLY:O	2:9Q:45:LYS:HD2	2.06	0.49
2:1e:234:LEU:CG	2:2Z:242:LEU:HB2	2.39	0.49
2:1g:110:LEU:C	2:1g:110:LEU:CD2	2.85	0.49
2:1g:163:THR:H	2:1g:166:ASN:ND2	2.09	0.49
2:2d:184:LEU:CD2	2:3k:184:LEU:HD21	2.42	0.49
2:3e:193:LYS:HG2	2:4e:199:LEU:O	2.12	0.49
2:3g:210:LEU:HD21	2:2x:210:LEU:CD2	2.41	0.49
2:3g:263:VAL:HG23	2:2x:262:ALA:CB	2.41	0.49
2:3h:77:LEU:HD12	2:3h:110:LEU:HG	1.92	0.49
2:4e:38:ILE:HD11	2:4e:114:ARG:CZ	2.34	0.49
2:6g:118:ILE:HG12	2:6g:118:ILE:O	2.11	0.49
2:6g:222:LEU:CD2	2:7Z:209:LEU:HD11	2.42	0.49
2:6g:228:ALA:HB1	2:7Z:228:ALA:CB	2.42	0.49
2:6g:280:SER:OG	2:7Z:247:LYS:HE2	2.12	0.49
2:7a:108:VAL:O	2:7a:108:VAL:HG13	2.11	0.49
2:7a:116:LYS:HG3	2:7a:117:GLU:HG3	1.92	0.49
2:7a:163:THR:H	2:7a:166:ASN:ND2	2.09	0.49
2:7c:247:LYS:N	2:8j:237:ALA:CB	2.75	0.49
2:8g:118:ILE:HG22	2:8g:120:ILE:HG23	1.94	0.49
2:8g:141:PRO:HB2	2:9G:150:GLU:CD	2.36	0.49
2:8h:227:GLY:O	2:7i:223:ARG:HD2	2.12	0.49
2:8j:118:ILE:HG12	2:8j:118:ILE:O	2.11	0.49
2:1k:259:VAL:HG21	2:3k:258:ASP:HA	1.94	0.49
2:2e:212:GLY:CA	2:1p:203:ASN:ND2	2.73	0.49
2:5g:245:VAL:HG13	2:6k:245:VAL:CG2	2.42	0.49
2:5h:239:THR:HA	2:7f:247:LYS:HB3	1.92	0.49
2:6j:118:ILE:HG22	2:6j:120:ILE:HG23	1.94	0.49
2:7f:108:VAL:O	2:7f:108:VAL:HG13	2.11	0.49
2:8k:227:GLY:HA3	2:9G:219:LYS:NZ	2.18	0.49
2:8m:129:GLY:HA3	2:8q:138:ILE:O	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8n:124:ASP:O	2:7n:119:SER:CA	2.58	0.49
2:8p:116:LYS:CA	2:8p:116:LYS:CE	2.86	0.49
2:2k:108:VAL:O	2:2k:108:VAL:HG13	2.11	0.49
2:2n:163:THR:H	2:2n:166:ASN:ND2	2.09	0.49
2:2n:232:TYR:CD2	2:3s:232:TYR:CE1	2.85	0.49
2:3m:126:LYS:C	2:3m:126:LYS:CD	2.85	0.49
2:5i:200:LEU:O	2:6o:193:LYS:HB3	2.12	0.49
2:5i:254:SER:HB3	2:7j:266:LEU:HD21	1.93	0.49
2:6n:212:GLY:HA3	2:7p:203:ASN:ND2	2.27	0.49
2:6n:226:ILE:HD11	2:5l:226:ILE:HD11	1.94	0.49
2:6n:246:LYS:C	2:7p:238:THR:O	2.54	0.49
2:6o:118:ILE:HG12	2:6o:118:ILE:O	2.11	0.49
2:6o:280:SER:CB	2:7j:248:GLY:O	2.60	0.49
2:6p:41:TYR:OH	2:8v:111:VAL:HG21	2.12	0.49
2:7l:163:THR:H	2:7l:166:ASN:ND2	2.09	0.49
2:8r:163:THR:H	2:8r:166:ASN:ND2	2.09	0.49
2:8s:28:ILE:CB	2:8w:73:VAL:HG11	2.42	0.49
2:8s:130:ASP:N	2:8w:139:ASN:OD1	2.38	0.49
2:8u:118:ILE:HG22	2:8u:120:ILE:HG23	1.94	0.49
2:1q:238:THR:O	2:1x:247:LYS:CB	2.59	0.49
2:2p:108:VAL:O	2:2p:108:VAL:HG13	2.11	0.49
2:2q:163:THR:H	2:2q:166:ASN:ND2	2.09	0.49
2:2s:231:PRO:CA	2:3w:229:GLY:HA3	2.41	0.49
2:3q:231:PRO:CA	2:4k:229:GLY:HA3	2.42	0.49
2:5k:279:ILE:HA	2:6s:248:GLY:CA	2.41	0.49
2:6q:145:ARG:CG	2:9K:148[A]:ILE:CG2	2.89	0.49
2:6q:250:ALA:HB1	2:9K:280:SER:O	2.08	0.49
2:6r:212:GLY:HA3	2:7u:203:ASN:ND2	2.27	0.49
2:6r:236:ALA:HA	2:7u:242:LEU:HD22	1.94	0.49
2:6s:126:LYS:C	2:6s:126:LYS:CD	2.85	0.49
2:6s:176:SER:HB3	2:7o:167:LYS:HD2	1.94	0.49
2:6t:110:LEU:N	2:6t:110:LEU:CD1	2.73	0.49
2:6t:269:LEU:HD23	2:9L:269:LEU:CD2	2.42	0.49
2:8y:244:GLY:HA3	2:9J:243:GLY:N	2.25	0.49
2:8z:226:ILE:HG22	2:7x:222:LEU:HD13	1.93	0.49
2:8z:227:GLY:O	2:7x:223:ARG:HD2	2.12	0.49
2:1v:126:LYS:C	2:1v:126:LYS:CD	2.85	0.49
2:1v:200:LEU:HD11	2:3v:200:LEU:HD21	1.83	0.49
2:1v:206:VAL:CG1	2:2u:210:LEU:HD23	2.42	0.49
2:1w:243:GLY:C	2:3w:245:VAL:O	2.54	0.49
2:1w:259:VAL:CG2	2:3w:258:ASP:HA	2.38	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2t:108:VAL:O	2:2t:108:VAL:HG13	2.11	0.49
2:2v:108:VAL:O	2:2v:108:VAL:HG13	2.11	0.49
2:3w:163:THR:H	2:3w:166:ASN:ND2	2.09	0.49
2:4m:110:LEU:N	2:4m:110:LEU:CD1	2.74	0.49
2:5m:158[A]:ILE:HD11	2:6w:158[A]:ILE:HG12	1.94	0.49
2:5n:163:THR:H	2:5n:166:ASN:ND2	2.09	0.49
2:6u:139:ASN:C	2:9Q:131:THR:H	2.19	0.49
2:6u:253:ALA:HA	2:9Q:270:ILE:HD12	1.93	0.49
2:6u:254:SER:HB2	2:9Q:266:LEU:CG	2.39	0.49
2:6v:118:ILE:HG22	2:6v:120:ILE:HG23	1.94	0.49
2:7w:245:VAL:HG21	2:9R:245:VAL:CG1	2.35	0.49
1:1A:420:ILE:O	1:1A:427:LYS:N	2.29	0.49
1:1C:18:TYR:O	1:1C:19:ASP:CB	2.60	0.49
1:3B:355:SER:CB	1:3B:356:PRO:CD	2.90	0.49
1:3E:200:ILE:CD1	1:3E:213:PHE:CD1	2.95	0.49
1:7A:394:THR:HA	2:7d:16:TYR:HE1	1.77	0.49
1:8B:200:ILE:C	1:8B:201:ASP:OD1	2.55	0.49
1:3H:101:TYR:CD2	1:3H:101:TYR:C	2.90	0.49
1:3K:200:ILE:CD1	1:3K:213:PHE:CD1	2.95	0.49
1:4I:130:LEU:HD12	1:4I:130:LEU:C	2.37	0.49
1:8G:444:GLY:CA	2:8k:56:ASN:OD1	2.58	0.49
1:8K:448:ALA:O	2:8n:60:LEU:CB	2.61	0.49
1:1O:234:ASN:OD1	1:1O:234:ASN:C	2.55	0.49
1:1Q:358:ILE:O	1:1Q:358:ILE:HG23	2.10	0.49
1:2O:406:GLY:O	2:2n:45:LYS:HE2	2.12	0.49
1:3N:355:SER:CB	1:3N:356:PRO:CD	2.90	0.49
1:4Q:209:ALA:CB	1:4Q:212:GLU:OE2	2.60	0.49
1:8N:200:ILE:C	1:8N:201:ASP:OD1	2.55	0.49
1:1T:445:GLY:C	2:1r:44:VAL:HG22	2.37	0.49
1:1U:446:ALA:HA	2:1s:42:VAL:O	2.11	0.49
1:1V:445:GLY:N	2:1t:44:VAL:HG22	2.25	0.49
1:2Q:356:PRO:HD2	1:2Q:369:PHE:CD2	2.27	0.49
1:2S:331:SER:OG	1:2S:332:VAL:N	2.44	0.49
1:2T:377:ASN:OD1	1:2T:377:ASN:C	2.54	0.49
1:3T:355:SER:CB	1:3T:356:PRO:CD	2.90	0.49
1:5V:228:GLN:OE1	1:5V:228:GLN:N	2.26	0.49
1:6X:245:GLU:OE1	1:6X:245:GLU:N	2.28	0.49
1:7S:397:THR:CA	2:7o:107:LEU:HB2	2.42	0.49
1:8S:24:ILE:O	1:8S:24:ILE:CG2	2.50	0.49
1:9D:447:GLN:HA	2:9I:56:ASN:N	2.28	0.49
1:2V:354:VAL:HG21	1:2V:433:ALA:HB2	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3a:355:SER:HB2	1:3a:356:PRO:HD2	1.94	0.49
1:3a:428:LEU:HD12	1:3a:428:LEU:N	2.26	0.49
1:3a:447:GLN:HG2	2:3x:44:VAL:HG23	1.88	0.49
1:4d:446:ALA:CB	2:4n:56:ASN:H	2.25	0.49
1:7X:205:SER:OG	1:7X:206:SER:N	2.42	0.49
2:1e:118:ILE:HG22	2:1e:120:ILE:HG23	1.94	0.49
2:1g:270:ILE:CB	2:3g:251:VAL:CG2	2.85	0.49
2:1h:200:LEU:HD23	2:2t:196:LEU:CB	2.42	0.49
2:2b:246:LYS:CE	2:3e:240:THR:CA	2.89	0.49
2:2c:127:ASP:OD1	2:3l:122:VAL:HG23	2.11	0.49
2:3f:118:ILE:HG22	2:3f:120:ILE:HG23	1.94	0.49
2:3h:57:MET:CB	2:4n:61:ALA:HB3	2.37	0.49
2:3h:118:ILE:HG22	2:3h:120:ILE:HG23	1.94	0.49
2:3h:122:VAL:HG23	2:2w:127:ASP:CG	2.37	0.49
2:4f:61:ALA:HB3	2:3l:57:MET:CB	2.37	0.49
2:5e:245:VAL:HG13	2:6g:245:VAL:CG2	2.42	0.49
2:6f:236:ALA:HB2	2:7f:242:LEU:HD11	1.95	0.49
2:6g:199:LEU:CD2	2:7Z:186:ALA:HA	2.42	0.49
2:6h:118:ILE:HG22	2:6h:120:ILE:HG23	1.94	0.49
2:7c:219:LYS:HE3	2:8j:226:ILE:HA	1.94	0.49
2:8g:111:VAL:CG2	2:9G:57:MET:HE2	2.33	0.49
2:8g:183:PHE:CD1	2:9G:199:LEU:CB	2.95	0.49
2:8j:163:THR:H	2:8j:166:ASN:ND2	2.09	0.49
2:1j:206:VAL:CG1	2:2f:210:LEU:HD23	2.42	0.49
2:1j:239:THR:HA	2:2f:247:LYS:H	1.76	0.49
2:1k:130:ASP:H	2:3k:139:ASN:HA	1.77	0.49
2:2f:280:SER:OG	2:3j:247:LYS:CE	2.60	0.49
2:2h:108:VAL:HG13	2:2h:108:VAL:O	2.11	0.49
2:2h:206:VAL:HG21	2:3p:210:LEU:HA	1.94	0.49
2:2h:228:ALA:HB2	2:3p:223:ARG:CB	2.42	0.49
2:2h:242:LEU:CD2	2:3p:237:ALA:N	2.57	0.49
2:3i:126:LYS:C	2:3i:126:LYS:CD	2.85	0.49
2:3i:163:THR:H	2:3i:166:ASN:ND2	2.09	0.49
2:5g:279:ILE:HA	2:6k:248:GLY:CA	2.41	0.49
2:6j:61:ALA:HB1	2:7k:57:MET:HE3	1.94	0.49
2:6j:236:ALA:CA	2:7k:242:LEU:HD13	2.42	0.49
2:7g:116:LYS:HG3	2:7g:117:GLU:HG3	1.92	0.49
2:7h:148[A]:ILE:CD1	2:8p:148[A]:ILE:HD13	2.42	0.49
2:7h:245:VAL:HG21	2:8p:245:VAL:CG1	2.35	0.49
2:8k:175:PHE:HA	2:9G:171:GLN:HE21	1.75	0.49
2:8m:247:LYS:HB3	2:9H:239:THR:H	1.76	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:247:LYS:CG	2:9H:239:THR:CG2	2.68	0.49
2:8n:242:LEU:HD21	2:7n:244:GLY:O	2.12	0.49
2:1m:234:LEU:CG	2:2j:242:LEU:HB2	2.39	0.49
2:1n:124:ASP:O	2:2k:119:SER:HA	2.12	0.49
2:2l:184:LEU:HD23	2:3m:180:VAL:HG13	1.94	0.49
2:2n:170:LEU:HB3	2:3s:174:LEU:HD22	1.94	0.49
2:2n:250:ALA:CB	2:3s:281:LEU:O	2.60	0.49
2:3o:116:LYS:CA	2:3o:116:LYS:CE	2.86	0.49
2:5i:229:GLY:HA3	2:6o:231:PRO:HA	1.93	0.49
2:5i:279:ILE:HA	2:6o:248:GLY:CA	2.41	0.49
2:6n:236:ALA:HA	2:7p:242:LEU:HD22	1.94	0.49
2:6p:38:ILE:HD11	2:6p:114:ARG:CZ	2.34	0.49
2:2p:206:VAL:HG22	2:3r:209:LEU:CD1	2.41	0.49
2:2q:108:VAL:HG13	2:2q:108:VAL:O	2.11	0.49
2:2r:108:VAL:HG13	2:2r:108:VAL:O	2.11	0.49
2:2r:201:VAL:CA	2:3x:197:GLN:HE21	2.24	0.49
2:3r:110:LEU:C	2:3r:110:LEU:CD2	2.86	0.49
2:3s:163:THR:H	2:3s:166:ASN:ND2	2.09	0.49
2:6r:246:LYS:HD3	2:7u:240:THR:C	2.36	0.49
2:6t:110:LEU:C	2:6t:110:LEU:CD2	2.86	0.49
2:6t:114:ARG:NH1	2:9L:115:SER:OG	2.45	0.49
2:1u:118:ILE:HG22	2:1u:120:ILE:HG23	1.94	0.49
2:1w:154:ALA:CB	2:3w:158[A]:ILE:HA	2.40	0.49
2:1w:226:ILE:HA	2:3w:219:LYS:HG2	1.93	0.49
2:1w:232:TYR:CZ	2:3w:234:LEU:HB2	2.47	0.49
2:2w:108:VAL:O	2:2w:108:VAL:HG13	2.11	0.49
2:3w:126:LYS:C	2:3w:126:LYS:CD	2.85	0.49
2:3x:118:ILE:HG22	2:3x:120:ILE:HG23	1.94	0.49
2:6w:199:LEU:CD2	2:7t:186:ALA:HA	2.42	0.49
2:6x:245:VAL:O	2:7w:237:ALA:CB	2.60	0.49
2:7u:163:THR:H	2:7u:166:ASN:ND2	2.09	0.49
2:7x:226:ILE:O	2:9N:223:ARG:HG2	2.12	0.49
2:9M:199:LEU:HD22	2:9J:187:THR:N	2.27	0.49
2:9N:77:LEU:HD12	2:9N:110:LEU:HG	1.92	0.49
2:9N:118:ILE:CD1	2:9N:118:ILE:N	2.73	0.49
2:9O:118:ILE:HG22	2:9O:120:ILE:HG23	1.94	0.49
1:1A:444:GLY:O	2:1e:45:LYS:HD2	2.11	0.49
1:1C:202:GLU:O	1:1C:209:ALA:CB	2.61	0.49
1:4C:423:GLU:OE1	1:4C:423:GLU:N	2.30	0.49
1:5A:204:THR:OG1	1:5A:205:SER:N	2.45	0.49
1:5D:58:GLN:O	1:5D:58:GLN:HG2	2.11	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1I:202:GLU:O	1:1I:209:ALA:CB	2.61	0.49
1:1K:36:VAL:N	1:1K:37:PRO:HD2	2.27	0.49
1:3I:363:GLN:HB3	1:3I:440:ASN:H	1.77	0.49
1:3I:443:SER:CA	2:3I:45:LYS:HZ2	2.22	0.49
1:4K:444:GLY:HA2	2:4g:45:LYS:CE	2.42	0.49
1:5G:438:ARG:O	1:5G:438:ARG:CG	2.60	0.49
1:6G:437:ILE:O	1:6G:438:ARG:HB2	2.12	0.49
1:1M:373:VAL:HG21	1:1M:383:VAL:HG21	1.94	0.49
1:1P:440:ASN:OD1	1:1P:440:ASN:C	2.54	0.49
1:4N:437:ILE:O	1:4N:437:ILE:CG2	2.60	0.49
1:4O:314:ASN:OD1	1:4O:314:ASN:C	2.54	0.49
1:5N:228:GLN:H	1:5N:228:GLN:CD	2.16	0.49
1:6M:437:ILE:O	1:6M:438:ARG:HB2	2.12	0.49
1:2R:447:GLN:C	2:2p:41:TYR:HE1	1.75	0.49
1:3X:205:SER:OG	1:3X:206:SER:N	2.45	0.49
1:4W:392:THR:CG2	2:4k:16:TYR:HD1	2.16	0.49
1:5S:438:ARG:O	1:5S:438:ARG:CG	2.60	0.49
1:7P:331:SER:OG	1:7P:332:VAL:N	2.44	0.49
1:7T:335:PHE:O	1:7T:336:ALA:HB3	2.12	0.49
1:8X:245:GLU:OE2	1:8X:245:GLU:N	2.28	0.49
1:1Y:373:VAL:HG21	1:1Y:383:VAL:HG21	1.94	0.49
1:1b:36:VAL:N	1:1b:37:PRO:HD2	2.27	0.49
1:1c:208:GLY:O	1:1c:212:GLU:HG2	2.11	0.49
1:2V:395:ALA:HB3	2:2v:107:LEU:HG	1.95	0.49
1:2V:407:ASN:CG	2:2v:45:LYS:HG3	2.38	0.49
1:2V:447:GLN:O	2:2v:41:TYR:CD1	2.65	0.49
1:4Z:437:ILE:O	1:4Z:437:ILE:CG2	2.60	0.49
1:4a:130:LEU:HD12	1:4a:130:LEU:C	2.37	0.49
1:5b:19:ASP:OD1	1:5b:19:ASP:C	2.54	0.49
1:7U:447:GLN:HG3	2:7x:60:LEU:CD1	2.42	0.49
1:8a:447:GLN:HA	2:9R:56:ASN:H	1.77	0.49
1:9E:110:TYR:O	1:9E:110:TYR:CG	2.63	0.49
2:1e:163:THR:H	2:1e:166:ASN:ND2	2.09	0.49
2:1g:243:GLY:C	2:3g:245:VAL:O	2.54	0.49
2:1g:259:VAL:HG21	2:3g:258:ASP:HA	1.94	0.49
2:2a:206:VAL:HG22	2:3f:209:LEU:CD1	2.41	0.49
2:2b:61:ALA:HB1	2:3e:57:MET:HB3	1.93	0.49
2:2b:244:GLY:HA3	2:3e:242:LEU:HB3	1.94	0.49
2:3e:119:SER:HB3	2:4e:126:LYS:HG2	1.93	0.49
2:3e:236:ALA:CA	2:4e:242:LEU:HD13	2.43	0.49
2:3g:267:ASN:HD21	2:2x:254:SER:HB3	1.77	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:167:LYS:HG2	2:8i:173:LEU:O	2.12	0.49
2:7d:226:ILE:O	2:8f:223:ARG:HG2	2.12	0.49
2:8e:138:ILE:O	2:9O:129:GLY:HA3	2.12	0.49
2:8e:154:ALA:HB1	2:9F:158[A]:ILE:HA	1.93	0.49
2:8e:232:TYR:HB2	2:9F:232:TYR:H	1.78	0.49
2:8g:129:GLY:HA3	2:8k:138:ILE:O	2.12	0.49
2:8h:239:THR:HG23	2:7i:247:LYS:CG	2.40	0.49
2:1j:118:ILE:HG12	2:1j:118:ILE:O	2.11	0.49
2:1j:200:LEU:HD11	2:3j:200:LEU:HD21	1.83	0.49
2:1k:280:SER:HB2	2:3k:249:ALA:CA	2.42	0.49
2:2h:126:LYS:CG	2:3p:119:SER:HB3	2.43	0.49
2:2i:273:LEU:HD21	2:3o:279:ILE:HG23	1.91	0.49
2:3i:193:LYS:HG2	2:4g:199:LEU:O	2.12	0.49
2:3i:231:PRO:CA	2:4g:229:GLY:HA3	2.43	0.49
2:3j:110:LEU:C	2:3j:110:LEU:CD2	2.85	0.49
2:3l:110:LEU:C	2:3l:110:LEU:CD2	2.85	0.49
2:4h:118:ILE:HG12	2:4h:118:ILE:O	2.11	0.49
2:6i:167:LYS:HG2	2:8o:174:LEU:HA	1.94	0.49
2:6j:222:LEU:HB3	2:7k:226:ILE:HG21	1.93	0.49
2:6k:222:LEU:CD2	2:7e:209:LEU:HD11	2.42	0.49
2:6l:245:VAL:O	2:7h:237:ALA:CB	2.60	0.49
2:6l:269:LEU:HD23	2:8p:269:LEU:CD2	2.42	0.49
2:8p:126:LYS:C	2:8p:126:LYS:CD	2.85	0.49
2:2k:200:LEU:CD2	2:3n:200:LEU:HD12	2.10	0.49
2:2k:202:SER:HB3	2:3n:193:LYS:HD3	1.94	0.49
2:2n:246:LYS:HZ3	2:3s:240:THR:C	2.09	0.49
2:5i:254:SER:HB3	2:7j:266:LEU:HD23	1.92	0.49
2:6m:148[B]:ILE:CD1	2:7q:148[B]:ILE:HD13	2.42	0.49
2:6m:193:LYS:HE3	2:8u:199:LEU:C	2.37	0.49
2:6n:61:ALA:HB1	2:7p:57:MET:HE3	1.94	0.49
2:6p:131:THR:OG1	2:8v:140:THR:CA	2.60	0.49
2:7j:108:VAL:HG13	2:7j:108:VAL:O	2.11	0.49
2:8s:131:THR:OG1	2:8w:140:THR:CA	2.60	0.49
2:1q:239:THR:HA	2:1x:247:LYS:O	2.12	0.49
2:2o:247:LYS:N	2:1x:239:THR:N	2.46	0.49
2:2s:214:PRO:CD	2:3w:225:MET:CG	2.91	0.49
2:5k:158[B]:ILE:HD11	2:6s:158[B]:ILE:HD11	1.92	0.49
2:6q:167:LYS:HG2	2:9K:174:LEU:HA	1.94	0.49
2:6r:222:LEU:HB3	2:7u:226:ILE:HG21	1.93	0.49
2:8y:223:ARG:CG	2:9J:226:ILE:C	2.80	0.49
2:1v:244:GLY:CA	2:3v:242:LEU:CD1	2.87	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2w:163:THR:H	2:2w:166:ASN:ND2	2.09	0.49
2:5m:120:ILE:HD12	2:6w:120:ILE:HD11	1.95	0.49
2:5m:245:VAL:HG13	2:6w:245:VAL:CG2	2.42	0.49
2:6u:145:ARG:CG	2:9Q:148[A]:ILE:CG2	2.89	0.49
2:9O:97:TYR:CZ	2:9O:111:VAL:CB	2.82	0.49
1:1C:202:GLU:O	1:1C:209:ALA:HB1	2.13	0.49
1:1D:444:GLY:C	2:1h:44:VAL:CG2	2.83	0.49
1:1F:376:THR:OG1	1:1F:377:ASN:N	2.46	0.49
1:3C:363:GLN:HB3	1:3C:440:ASN:H	1.77	0.49
1:4C:409:ASP:OD1	1:4C:409:ASP:C	2.52	0.49
1:8E:445:GLY:O	2:8h:44:VAL:N	2.38	0.49
1:1G:373:VAL:HG21	1:1G:383:VAL:HG21	1.94	0.49
1:1I:202:GLU:O	1:1I:209:ALA:HB1	2.13	0.49
1:2G:403:SER:HB3	2:2g:107:LEU:HD11	1.93	0.49
1:4L:443:SER:OG	1:4L:444:GLY:N	2.44	0.49
1:5J:19:ASP:OD1	1:5J:19:ASP:C	2.54	0.49
1:5J:355:SER:CB	1:5J:356:PRO:CD	2.89	0.49
1:7I:392:THR:HA	2:7e:46:ASP:OD2	2.12	0.49
1:8L:445:GLY:O	2:8m:44:VAL:CB	2.59	0.49
1:1O:202:GLU:O	1:1O:209:ALA:CB	2.61	0.49
1:2M:423:GLU:OE1	1:2M:423:GLU:N	2.34	0.49
1:8O:252:ASP:OD1	1:8O:252:ASP:C	2.53	0.49
1:3U:363:GLN:HB3	1:3U:440:ASN:H	1.77	0.49
1:6T:405:SER:HB2	2:6s:16:TYR:HH	1.69	0.49
1:2U:310:GLU:OE1	1:2U:310:GLU:HA	2.12	0.49
1:2V:393:GLY:CA	2:2v:15:ALA:HB3	2.42	0.49
1:3c:252:ASP:OD1	1:3c:252:ASP:C	2.53	0.49
1:4Z:397:THR:OG1	1:4Z:399:ASP:OD1	2.28	0.49
1:4a:314:ASN:OD1	1:4a:314:ASN:C	2.54	0.49
1:6Z:423:GLU:OE2	1:6Z:423:GLU:N	2.30	0.49
1:7W:403:SER:C	2:7u:16:TYR:OH	2.55	0.49
2:1f:116:LYS:HA	2:1f:116:LYS:CE	2.22	0.49
2:1g:118:ILE:HG22	2:1g:120:ILE:HG23	1.94	0.49
2:1g:232:TYR:CZ	2:3g:234:LEU:HB2	2.47	0.49
2:1h:280:SER:CB	2:2t:247:LYS:HE2	2.42	0.49
2:2c:111:VAL:HG11	2:4f:41:TYR:OH	2.12	0.49
2:2c:127:ASP:CG	2:3l:122:VAL:HG23	2.37	0.49
2:2c:278:ILE:HD13	2:4f:278:ILE:HG23	1.94	0.49
2:3f:110:LEU:C	2:3f:110:LEU:CD2	2.86	0.49
2:4e:118:ILE:HG22	2:4e:120:ILE:HG23	1.94	0.49
2:5e:234:LEU:CD1	2:6g:234:LEU:CD2	2.90	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:254:SER:HB3	2:7Z:266:LEU:HD21	1.93	0.49
2:6e:193:LYS:HE3	2:8i:199:LEU:C	2.37	0.49
2:6f:212:GLY:HA3	2:7f:203:ASN:ND2	2.27	0.49
2:6g:222:LEU:HD23	2:7Z:209:LEU:HD11	1.94	0.49
2:6h:136:LEU:O	2:7c:132:GLY:HA3	2.11	0.49
2:7a:242:LEU:HD11	2:6v:236:ALA:HB2	1.95	0.49
2:7c:108:VAL:O	2:7c:108:VAL:HG13	2.11	0.49
2:7d:247:LYS:CG	2:9P:239:THR:HG22	2.43	0.49
2:8e:173:LEU:O	2:9F:162:THR:HG21	2.12	0.49
2:8e:209:LEU:HD22	2:9F:209:LEU:HD21	1.86	0.49
2:8e:256:ALA:CA	2:9O:263:VAL:CG2	2.91	0.49
2:2f:240:THR:CA	2:3j:246:LYS:HD3	2.25	0.49
2:2h:239:THR:HB	2:3p:247:LYS:O	1.63	0.49
2:2i:267:ASN:CG	2:1o:254:SER:H	2.16	0.49
2:6i:120:ILE:HD13	2:8o:120:ILE:HD12	1.92	0.49
2:6j:236:ALA:HA	2:7k:242:LEU:HD22	1.94	0.49
2:6k:176:SER:HB3	2:7e:167:LYS:HD2	1.94	0.49
2:6l:114:ARG:NH1	2:8p:115:SER:OG	2.45	0.49
2:8k:232:TYR:HB2	2:9G:232:TYR:H	1.77	0.49
2:8m:236:ALA:CA	2:9H:242:LEU:HD21	2.28	0.49
2:1m:120:ILE:HD13	2:2j:120:ILE:HD13	1.86	0.49
2:1n:57:MET:HE2	2:2k:111:VAL:HG13	1.93	0.49
2:1n:239:THR:HA	2:2k:247:LYS:H	1.76	0.49
2:1o:266:LEU:HD13	2:3o:266:LEU:HB2	1.91	0.49
2:2k:200:LEU:HD23	2:3n:196:LEU:HB3	1.94	0.49
2:2l:212:GLY:HA3	2:3m:203:ASN:HB2	1.94	0.49
2:2n:108:VAL:O	2:2n:108:VAL:HG13	2.11	0.49
2:3n:38:ILE:HD11	2:3n:114:ARG:CZ	2.34	0.49
2:3p:118:ILE:HG22	2:3p:120:ILE:HG23	1.94	0.49
2:5i:247:LYS:HB2	2:7j:238:THR:O	2.12	0.49
2:6n:236:ALA:CA	2:7p:242:LEU:HD13	2.42	0.49
2:6o:163:THR:H	2:6o:166:ASN:ND2	2.09	0.49
2:7n:120:ILE:HD13	2:8r:120:ILE:HD11	0.62	0.49
2:2r:228:ALA:HB2	2:3x:223:ARG:CB	2.42	0.49
2:2s:57:MET:HE2	2:1w:111:VAL:HG13	1.94	0.49
2:2s:184:LEU:CD2	2:3w:184:LEU:HD21	2.42	0.49
2:3q:193:LYS:HG2	2:4k:199:LEU:O	2.12	0.49
2:5k:120:ILE:HD12	2:6s:120:ILE:HD11	1.95	0.49
2:5k:247:LYS:HB2	2:7o:238:THR:O	2.12	0.49
2:6q:158[B]:ILE:HA	2:9K:154:ALA:CB	2.41	0.49
2:6r:234:LEU:CD2	2:7u:242:LEU:O	2.59	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:148[A]:ILE:CD1	2:9L:148[A]:ILE:HD13	2.42	0.49
2:8w:206:VAL:HG11	2:9I:210:LEU:HA	1.94	0.49
2:8y:110:LEU:C	2:8y:110:LEU:CD2	2.85	0.49
2:8y:214:PRO:CD	2:9J:225:MET:HG3	2.42	0.49
2:1v:124:ASP:O	2:2u:119:SER:HA	2.12	0.49
2:1w:130:ASP:H	2:3w:139:ASN:HA	1.77	0.49
2:2u:203:ASN:ND2	2:3v:212:GLY:HA3	2.05	0.49
2:2u:206:VAL:HG22	2:3v:209:LEU:CD1	2.41	0.49
2:4n:116:LYS:CA	2:4n:116:LYS:CE	2.85	0.49
2:4n:163:THR:H	2:4n:166:ASN:ND2	2.09	0.49
2:5m:279:ILE:HA	2:6w:248:GLY:CA	2.41	0.49
2:5n:118:ILE:HG12	2:5n:118:ILE:O	2.11	0.49
2:6w:163:THR:H	2:6w:166:ASN:ND2	2.09	0.49
2:6w:242:LEU:CD2	2:7t:244:GLY:C	2.86	0.49
2:6x:126:LYS:HG3	2:9R:119:SER:HB3	1.94	0.49
2:6x:131:THR:OG1	2:9R:140:THR:CA	2.60	0.49
2:9M:173:LEU:O	2:9J:162:THR:HG21	2.12	0.49
2:9M:184:LEU:CD1	2:9J:184:LEU:HD22	2.35	0.49
2:9M:200:LEU:N	2:9J:193:LYS:HG2	2.25	0.49
1:1F:356:PRO:CD	1:1F:369:PHE:HD2	2.15	0.49
1:4B:206:SER:O	1:4B:207:THR:C	2.56	0.49
1:4B:437:ILE:O	1:4B:437:ILE:CG2	2.60	0.49
1:7A:448:ALA:HB3	2:7d:57:MET:CA	2.35	0.49
1:1I:18:TYR:O	1:1I:19:ASP:CB	2.60	0.49
1:3H:30:ASP:OD1	1:3H:30:ASP:C	2.54	0.49
1:3K:445:GLY:HA2	2:3j:45:LYS:HB2	1.93	0.49
1:7J:448:ALA:HB2	2:7h:60:LEU:CG	2.43	0.49
1:4R:391:SER:OG	1:4R:392:THR:N	2.42	0.49
1:6M:314:ASN:OD1	1:6M:314:ASN:C	2.52	0.49
1:8Q:230:SER:OG	1:8Q:231:ARG:N	2.44	0.49
1:1S:445:GLY:N	2:1q:44:VAL:HB	2.28	0.49
1:8U:309:MET:HG2	1:8U:309:MET:O	2.13	0.49
1:8X:437:ILE:O	1:8X:438:ARG:HB2	2.13	0.49
1:8X:447:GLN:HB3	2:8y:44:VAL:CG2	2.43	0.49
1:1Y:363:GLN:NE2	1:1Y:408:GLU:O	2.44	0.49
1:1a:202:GLU:O	1:1a:209:ALA:CB	2.61	0.49
1:5a:156:TRP:O	1:5a:158:ASN:N	2.45	0.49
1:6b:419:ASP:OD1	1:6b:419:ASP:C	2.54	0.49
1:7X:403:SER:OG	2:7t:16:TYR:OH	2.09	0.49
2:1f:126:LYS:C	2:1f:126:LYS:CD	2.85	0.49
2:1f:206:VAL:CG1	2:2a:210:LEU:HD23	2.42	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1f:239:THR:HA	2:2a:247:LYS:H	1.76	0.49
2:1g:130:ASP:H	2:3g:139:ASN:HA	1.77	0.49
2:2c:180:VAL:HG11	2:3l:184:LEU:HD22	1.92	0.49
2:2d:214:PRO:CD	2:3k:225:MET:CG	2.91	0.49
2:2d:269:LEU:CG	2:3k:270:ILE:HG12	2.41	0.49
2:3h:157:LEU:HD12	2:2w:173:LEU:HB3	1.95	0.49
2:3h:209:LEU:HD21	2:2w:222:LEU:HD23	1.92	0.49
2:5e:120:ILE:CD1	2:7Z:120:ILE:HG21	2.39	0.49
2:5e:158[A]:ILE:HD11	2:6g:158[A]:ILE:HG12	1.94	0.49
2:6f:38:ILE:HD13	2:6f:114:ARG:NH1	2.28	0.49
2:6f:110:LEU:N	2:6f:110:LEU:CD1	2.73	0.49
2:6h:114:ARG:NH1	2:8j:115:SER:OG	2.45	0.49
2:6h:174:LEU:O	2:8j:167:LYS:HB3	2.13	0.49
2:7a:226:ILE:HG21	2:6v:222:LEU:HB3	1.93	0.49
2:7b:124:ASP:HB3	2:9Q:118:ILE:O	2.12	0.49
2:8h:242:LEU:HD13	2:7i:234:LEU:HG	1.95	0.49
2:8i:110:LEU:C	2:8i:110:LEU:CD2	2.86	0.49
2:8i:118:ILE:HG22	2:8i:120:ILE:HG23	1.94	0.49
2:1k:110:LEU:C	2:1k:110:LEU:CD2	2.86	0.49
2:1k:120:ILE:HD12	2:3k:120:ILE:CD1	2.42	0.49
2:1k:243:GLY:C	2:3k:245:VAL:O	2.54	0.49
2:2i:244:GLY:CA	2:3o:243:GLY:C	2.79	0.49
2:3i:259:VAL:CG2	2:4g:259:VAL:CG2	2.91	0.49
2:3j:110:LEU:N	2:3j:110:LEU:CD1	2.74	0.49
2:5g:110:LEU:C	2:5g:110:LEU:CD2	2.86	0.49
2:5g:229:GLY:HA3	2:6k:231:PRO:HA	1.94	0.49
2:7h:163:THR:H	2:7h:166:ASN:ND2	2.09	0.49
2:8m:214:PRO:CD	2:9H:225:MET:HG3	2.42	0.49
2:8m:266:LEU:HD21	2:8q:265:ASP:CB	2.42	0.49
2:8o:118:ILE:O	2:7l:124:ASP:HB3	2.12	0.49
2:2m:111:VAL:HG11	2:4j:41:TYR:OH	2.12	0.49
2:2n:196:LEU:CD1	2:3s:200:LEU:HD23	2.41	0.49
2:3m:163:THR:H	2:3m:166:ASN:ND2	2.09	0.49
2:6p:126:LYS:HG3	2:8v:119:SER:HB3	1.94	0.49
2:7j:163:THR:H	2:7j:166:ASN:ND2	2.09	0.49
2:7m:163:THR:H	2:7m:166:ASN:ND2	2.09	0.49
2:8q:173:LEU:O	2:9H:162:THR:HG21	2.12	0.49
2:8s:183:PHE:CD1	2:9I:199:LEU:CB	2.95	0.49
2:8t:226:ILE:HG22	2:7s:222:LEU:HD13	1.93	0.49
2:2o:219:LYS:O	2:1x:226:ILE:O	2.30	0.49
2:2r:127:ASP:CG	2:3x:122:VAL:HG23	2.37	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3t:118:ILE:CD1	2:3t:118:ILE:N	2.73	0.49
2:6s:240:THR:CA	2:7o:246:LYS:CD	2.85	0.49
2:7o:108:VAL:O	2:7o:108:VAL:HG13	2.11	0.49
2:8w:150:GLU:CD	2:9I:145:ARG:HH12	2.20	0.49
2:8y:183:PHE:CD1	2:9J:199:LEU:CB	2.95	0.49
2:8y:263:VAL:CG2	2:9M:256:ALA:CA	2.91	0.49
2:8z:242:LEU:HD13	2:7x:234:LEU:HG	1.95	0.49
2:1w:110:LEU:C	2:1w:110:LEU:CD2	2.85	0.49
2:1w:259:VAL:HG21	2:3w:258:ASP:HA	1.94	0.49
2:2u:206:VAL:CG2	2:3v:209:LEU:O	2.44	0.49
2:4m:163:THR:H	2:4m:166:ASN:ND2	2.09	0.49
2:6u:251:VAL:N	2:9Q:279:ILE:HD12	2.26	0.49
2:6w:126:LYS:C	2:6w:126:LYS:CD	2.85	0.49
2:6x:173:LEU:HD13	2:9R:160:GLY:HA2	1.94	0.49
2:9M:184:LEU:CD2	2:9J:184:LEU:CD2	2.80	0.49
2:9N:118:ILE:HG22	2:9N:120:ILE:HG23	1.94	0.49
2:9O:110:LEU:C	2:9O:110:LEU:CD2	2.85	0.49
2:9Q:110:LEU:C	2:9Q:110:LEU:CD2	2.86	0.49
1:3B:101:TYR:CD2	1:3B:101:TYR:C	2.90	0.49
1:3C:355:SER:HB2	1:3C:356:PRO:HD2	1.94	0.49
1:3C:443:SER:N	2:3h:45:LYS:NZ	2.59	0.49
1:3F:448:ALA:O	2:3e:63:TRP:NE1	2.41	0.49
1:4D:8:VAL:O	1:4D:8:VAL:HG12	2.13	0.49
1:5F:30:ASP:OD1	1:5F:30:ASP:C	2.56	0.49
1:6A:30:ASP:OD1	1:6A:30:ASP:C	2.54	0.49
1:7B:384:VAL:HG13	2:7b:106:GLN:HE22	1.76	0.49
1:8A:205:SER:OG	1:8A:206:SER:N	2.46	0.49
1:8B:202:GLU:C	1:8B:204:THR:N	2.71	0.49
1:1J:36:VAL:N	1:1J:37:PRO:HD2	2.27	0.49
1:1J:404:VAL:O	1:1J:405:SER:CB	2.61	0.49
1:2F:205:SER:OG	1:2F:206:SER:N	2.45	0.49
1:3G:381:HIS:O	1:3G:382:LYS:CB	2.61	0.49
1:3I:245:GLU:OE1	1:3I:245:GLU:N	2.34	0.49
1:4H:437:ILE:O	1:4H:437:ILE:CG2	2.61	0.49
1:5H:426:PRO:O	1:5H:427:LYS:CB	2.61	0.49
1:7J:331:SER:OG	1:7J:332:VAL:N	2.45	0.49
1:1M:228:GLN:OE1	1:1M:228:GLN:N	2.30	0.49
1:3N:30:ASP:OD1	1:3N:30:ASP:C	2.54	0.49
1:5P:354:VAL:O	1:5P:354:VAL:CG1	2.45	0.49
1:5R:245:GLU:H	1:5R:245:GLU:CD	2.14	0.49
1:6M:36:VAL:N	1:6M:37:PRO:HD2	2.27	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6P:137:GLN:HG3	1:6P:137:GLN:O	2.11	0.49
1:7N:314:ASN:OD1	1:7N:314:ASN:C	2.56	0.49
1:1V:354:VAL:O	1:1V:354:VAL:CG1	2.59	0.49
1:1X:354:VAL:HG21	1:1X:433:ALA:N	2.27	0.49
1:2P:205:SER:OG	1:2P:206:SER:N	2.45	0.49
1:7R:67:ASP:O	1:7R:68:ARG:HB2	2.12	0.49
1:8T:202:GLU:C	1:8T:204:THR:N	2.71	0.49
1:8X:445:GLY:H	2:8y:44:VAL:CB	2.16	0.49
1:1a:18:TYR:O	1:1a:19:ASP:CB	2.60	0.49
1:2Y:335:PHE:O	1:2Y:336:ALA:HB3	2.13	0.49
1:3Y:306:LEU:HD23	1:3Y:306:LEU:C	2.38	0.49
1:3Z:101:TYR:C	1:3Z:101:TYR:CD2	2.90	0.49
1:4Z:54:ASN:OD1	1:4Z:54:ASN:C	2.53	0.49
1:4Z:228:GLN:OE1	1:4Z:228:GLN:N	2.27	0.49
1:7U:25:ARG:NH2	2:6w:53:THR:HA	2.28	0.49
1:7U:407:ASN:HB2	2:7x:45:LYS:CG	2.39	0.49
2:1g:38:ILE:HD13	2:1g:114:ARG:NH1	2.28	0.49
2:2b:244:GLY:HA2	2:3e:243:GLY:C	2.31	0.49
2:2b:245:VAL:HG23	2:3e:237:ALA:HB1	1.94	0.49
2:2d:57:MET:HE2	2:1k:111:VAL:HG13	1.94	0.49
2:2d:196:LEU:CD1	2:3k:200:LEU:HD23	2.42	0.49
2:3h:110:LEU:C	2:3h:110:LEU:CD2	2.86	0.49
2:3h:243:GLY:HA3	2:2w:242:LEU:HD13	1.91	0.49
2:5e:149[B]:ILE:HG23	2:6g:158[B]:ILE:HG23	1.93	0.49
2:5e:200:LEU:O	2:6g:193:LYS:HB3	2.12	0.49
2:6f:118:ILE:HG22	2:6f:120:ILE:HG23	1.94	0.49
2:6f:232:TYR:HD2	2:7f:232:TYR:CD1	2.30	0.49
2:6g:280:SER:CB	2:7Z:248:GLY:O	2.60	0.49
2:6h:245:VAL:O	2:7c:237:ALA:CB	2.60	0.49
2:7a:203:ASN:ND2	2:6v:212:GLY:HA3	2.27	0.49
2:8e:73:VAL:HG11	2:9O:28:ILE:HB	1.92	0.49
2:8e:145:ARG:HG3	2:9O:148[A]:ILE:HG23	1.95	0.49
2:8e:199:LEU:HD22	2:9F:187:THR:N	2.27	0.49
2:8g:131:THR:OG1	2:8k:140:THR:CA	2.60	0.49
2:8g:223:ARG:CG	2:9G:226:ILE:C	2.80	0.49
2:8j:126:LYS:C	2:8j:126:LYS:CD	2.85	0.49
2:1i:118:ILE:HG22	2:1i:120:ILE:HG23	1.94	0.49
2:1i:239:THR:HA	2:1p:247:LYS:O	2.12	0.49
2:2h:111:VAL:HG11	2:4h:41:TYR:OH	2.12	0.49
2:4g:110:LEU:C	2:4g:110:LEU:CD2	2.86	0.49
2:6i:253:ALA:CB	2:8o:267:ASN:CG	2.72	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:254:SER:HB3	2:8o:266:LEU:HB3	1.93	0.49
2:6l:118:ILE:HG22	2:6l:120:ILE:HG23	1.94	0.49
2:6l:174:LEU:O	2:8p:167:LYS:HB3	2.13	0.49
2:8k:206:VAL:HG11	2:9G:210:LEU:HA	1.94	0.49
2:8l:110:LEU:C	2:8l:110:LEU:CD2	2.86	0.49
2:1o:259:VAL:HG21	2:3o:258:ASP:HA	1.94	0.49
2:2l:245:VAL:HG23	2:3m:237:ALA:HB1	1.94	0.49
2:4j:61:ALA:HB3	2:3t:57:MET:CB	2.37	0.49
2:5i:118:ILE:HG22	2:5i:120:ILE:HG23	1.94	0.49
2:6o:228:ALA:HB1	2:7j:228:ALA:CB	2.42	0.49
2:6p:118:ILE:HG22	2:6p:120:ILE:HG23	1.94	0.49
2:7n:227:GLY:O	2:8r:229:GLY:O	2.31	0.49
2:8r:110:LEU:C	2:8r:110:LEU:CD2	2.86	0.49
2:8s:3:VAL:CG1	2:8w:62:ALA:HB3	2.43	0.49
2:1q:110:LEU:C	2:1q:110:LEU:CD2	2.86	0.49
2:1r:118:ILE:HG12	2:1r:118:ILE:O	2.11	0.49
2:1s:130:ASP:H	2:3s:139:ASN:HA	1.77	0.49
2:1s:259:VAL:HG21	2:3s:258:ASP:HA	1.94	0.49
2:2o:244:GLY:HA3	2:1x:242:LEU:C	2.36	0.49
2:2q:184:LEU:HD23	2:3q:180:VAL:HG13	1.94	0.49
2:2q:244:GLY:HA3	2:3q:242:LEU:HB3	1.94	0.49
2:2r:111:VAL:HG11	2:4l:41:TYR:OH	2.12	0.49
2:3t:163:THR:H	2:3t:166:ASN:ND2	2.09	0.49
2:5k:110:LEU:C	2:5k:110:LEU:CD2	2.86	0.49
2:6q:253:ALA:CB	2:9K:267:ASN:CG	2.72	0.49
2:6r:196:LEU:HB3	2:7u:200:LEU:CD2	2.42	0.49
2:6s:199:LEU:CD2	2:7o:186:ALA:HA	2.42	0.49
2:6t:118:ILE:HG22	2:6t:120:ILE:HG23	1.94	0.49
2:8w:150:GLU:OE1	2:9I:145:ARG:NH1	2.43	0.49
2:8w:259:VAL:HG11	2:9I:258:ASP:O	2.12	0.49
2:8w:279:ILE:CB	2:9I:272:VAL:CG1	2.81	0.49
2:8y:148[A]:ILE:HG23	2:9M:145:ARG:HG3	1.95	0.49
2:8z:239:THR:HG22	2:7x:247:LYS:CG	2.43	0.49
2:9K:110:LEU:C	2:9K:110:LEU:CD2	2.86	0.49
2:1w:97:TYR:CZ	2:1w:111:VAL:CB	2.82	0.49
2:3u:193:LYS:HG2	2:4m:199:LEU:O	2.12	0.49
2:3x:110:LEU:C	2:3x:110:LEU:CD2	2.86	0.49
2:4m:110:LEU:C	2:4m:110:LEU:CD2	2.85	0.49
2:6v:110:LEU:C	2:6v:110:LEU:CD2	2.86	0.49
2:6w:176:SER:HB3	2:7t:167:LYS:HD2	1.94	0.49
2:6w:200:LEU:HD22	2:7t:196:LEU:HB3	1.91	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6x:245:VAL:O	2:7w:237:ALA:HB1	2.12	0.49
2:7w:148[A]:ILE:CD1	2:9R:148[A]:ILE:HD13	2.42	0.49
2:9Q:118:ILE:CD1	2:9Q:118:ILE:N	2.73	0.49
1:1C:447:GLN:CG	2:1g:60:LEU:CD1	2.91	0.49
1:1D:245:GLU:OE1	1:1D:245:GLU:N	2.32	0.49
1:3C:447:GLN:CD	2:3h:56:ASN:HD22	2.10	0.49
1:3E:397:THR:OG1	1:3E:399:ASP:OD1	2.30	0.49
1:4F:439:PRO:O	1:4F:440:ASN:HB3	2.13	0.49
1:5D:205:SER:OG	1:5D:206:SER:N	2.46	0.49
1:6D:419:ASP:OD1	1:6D:419:ASP:C	2.54	0.49
1:8C:309:MET:HG2	1:8C:309:MET:O	2.13	0.49
1:8D:445:GLY:C	2:8i:44:VAL:CB	2.75	0.49
1:3G:306:LEU:HD23	1:3G:306:LEU:C	2.38	0.49
1:4J:8:VAL:HG12	1:4J:8:VAL:O	2.13	0.49
1:5J:205:SER:OG	1:5J:206:SER:N	2.46	0.49
1:7G:444:GLY:H	2:7g:45:LYS:HZ2	1.61	0.49
1:8G:446:ALA:N	2:8k:54:GLN:O	2.42	0.49
1:8J:448:ALA:HB2	2:8o:41:TYR:HD2	1.77	0.49
1:8L:331:SER:OG	1:8L:332:VAL:N	2.46	0.49
1:3P:391:SER:OG	1:3P:392:THR:N	2.45	0.49
1:6N:444:GLY:C	2:6o:44:VAL:CG2	2.86	0.49
1:8R:437:ILE:O	1:8R:438:ARG:HB2	2.13	0.49
1:1T:252:ASP:O	1:1T:253:ALA:CB	2.61	0.49
1:1U:234:ASN:OD1	1:1U:234:ASN:C	2.55	0.49
1:2Q:354:VAL:HG21	1:2Q:433:ALA:HB2	1.93	0.49
1:2T:335:PHE:O	1:2T:336:ALA:HB3	2.13	0.49
1:4T:203:PRO:O	1:4T:204:THR:OG1	2.30	0.49
1:1Z:252:ASP:O	1:1Z:253:ALA:HB3	2.13	0.49
1:4b:8:VAL:O	1:4b:8:VAL:HG12	2.13	0.49
1:4d:445:GLY:N	2:4n:44:VAL:CG2	2.61	0.49
1:5Z:68:ARG:HB3	1:5Z:68:ARG:HH11	1.76	0.49
1:6Z:205:SER:OG	1:6Z:206:SER:N	2.44	0.49
1:7V:447:GLN:HG2	2:7v:41:TYR:OH	2.13	0.49
1:8Y:205:SER:OG	1:8Y:206:SER:N	2.46	0.49
1:8Z:200:ILE:C	1:8Z:201:ASP:OD1	2.55	0.49
1:8d:331:SER:OG	1:8d:332:VAL:N	2.46	0.49
1:8d:445:GLY:HA2	2:9O:44:VAL:HB	1.90	0.49
2:2Z:163:THR:H	2:2Z:166:ASN:ND2	2.09	0.49
2:2Z:219:LYS:O	2:1l:226:ILE:O	2.30	0.49
2:2a:239:THR:H	2:3f:247:LYS:HB2	1.51	0.49
2:2b:247:LYS:CG	2:3e:280:SER:OG	2.43	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2c:126:LYS:CG	2:3l:119:SER:HB3	2.43	0.49
2:2c:173:LEU:HB3	2:3l:157:LEU:HD12	1.95	0.49
2:2d:254:SER:HB3	2:3k:267:ASN:HD21	1.77	0.49
2:3g:279:ILE:HA	2:2x:248:GLY:N	2.28	0.49
2:5e:110:LEU:C	2:5e:110:LEU:CD2	2.86	0.49
2:6e:73:VAL:HG11	2:8i:28:ILE:HA	1.95	0.49
2:6e:119:SER:HB3	2:8i:126:LYS:CE	2.43	0.49
2:7Z:108:VAL:O	2:7Z:108:VAL:HG13	2.11	0.49
2:7c:138:ILE:O	2:8j:132:GLY:N	2.37	0.49
2:7c:234:LEU:HD21	2:8j:234:LEU:HD11	1.95	0.49
2:7d:239:THR:HA	2:8f:247:LYS:HD3	1.95	0.49
2:8g:219:LYS:C	2:9G:226:ILE:O	2.52	0.49
2:1i:77:LEU:HD12	2:1i:110:LEU:HG	1.93	0.49
2:1j:163:THR:H	2:1j:166:ASN:ND2	2.09	0.49
2:2i:248:GLY:N	2:3o:279:ILE:HA	2.28	0.49
2:3i:236:ALA:CA	2:4g:242:LEU:HD13	2.43	0.49
2:3j:118:ILE:HG22	2:3j:120:ILE:HG23	1.94	0.49
2:3l:38:ILE:HD13	2:3l:114:ARG:NH1	2.28	0.49
2:4g:118:ILE:CD1	2:4g:118:ILE:N	2.73	0.49
2:6k:242:LEU:CD2	2:7e:244:GLY:C	2.86	0.49
2:6l:110:LEU:C	2:6l:110:LEU:CD2	2.86	0.49
2:8m:222:LEU:HD12	2:9H:226:ILE:HG22	1.80	0.49
2:8n:200:LEU:CD2	2:7n:200:LEU:HD11	2.32	0.49
2:1o:77:LEU:HD12	2:1o:110:LEU:HG	1.93	0.49
2:1o:266:LEU:CD1	2:3o:265:ASP:C	2.86	0.49
2:2m:173:LEU:HB3	2:3t:157:LEU:HD12	1.95	0.49
2:2m:222:LEU:HD23	2:3t:209:LEU:HD21	1.92	0.49
2:3m:231:PRO:CA	2:4i:229:GLY:HA3	2.43	0.49
2:3m:259:VAL:CG2	2:4i:259:VAL:CG2	2.91	0.49
2:4i:110:LEU:C	2:4i:110:LEU:CD2	2.86	0.49
2:7k:108:VAL:HG13	2:7k:108:VAL:O	2.11	0.49
2:7m:247:LYS:N	2:8v:237:ALA:CB	2.75	0.49
2:8s:110:LEU:C	2:8s:110:LEU:CD2	2.86	0.49
2:8s:263:VAL:CG2	2:8w:256:ALA:CA	2.91	0.49
2:8u:110:LEU:C	2:8u:110:LEU:CD2	2.86	0.49
2:2q:223:ARG:HH12	2:3q:227:GLY:HA3	1.68	0.49
2:2r:126:LYS:CG	2:3x:119:SER:HB3	2.43	0.49
2:2s:210:LEU:HD21	2:3w:210:LEU:HD21	1.94	0.49
2:2s:262:ALA:HB1	2:3w:263:VAL:HG23	1.93	0.49
2:2s:273:LEU:HD21	2:3w:279:ILE:HG23	1.91	0.49
2:3q:73:VAL:CG1	2:4k:28:ILE:HB	2.43	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3r:38:ILE:HD13	2:3r:114:ARG:NH1	2.28	0.49
2:4k:38:ILE:HD13	2:4k:114:ARG:NH1	2.28	0.49
2:4l:116:LYS:CA	2:4l:116:LYS:CE	2.85	0.49
2:4l:247:LYS:HE2	2:3x:239:THR:CG2	2.43	0.49
2:5l:228:ALA:HB1	2:7p:228:ALA:HB1	1.94	0.49
2:8w:173:LEU:O	2:9I:162:THR:HG21	2.13	0.49
2:8w:199:LEU:HD22	2:9I:187:THR:N	2.27	0.49
2:9L:118:ILE:HG12	2:9L:118:ILE:O	2.11	0.49
2:2v:209:LEU:CD1	2:3u:225:MET:SD	2.80	0.49
2:2v:232:TYR:CE2	2:3u:232:TYR:CE2	2.97	0.49
2:3u:73:VAL:CG1	2:4m:28:ILE:HB	2.43	0.49
2:3v:110:LEU:C	2:3v:110:LEU:CD2	2.86	0.49
2:3v:118:ILE:HG22	2:3v:120:ILE:HG23	1.94	0.49
2:5m:163:THR:H	2:5m:166:ASN:ND2	2.09	0.49
2:5m:270:ILE:HG12	2:6w:251:VAL:CG2	2.43	0.49
2:9M:240:THR:HA	2:9J:246:LYS:NZ	2.20	0.49
2:9N:38:ILE:HD13	2:9N:114:ARG:NH1	2.28	0.49
1:1A:373:VAL:HG21	1:1A:383:VAL:HG21	1.94	0.49
1:1D:447:GLN:NE2	2:1h:60:LEU:HD11	2.27	0.49
1:2A:135:ASN:OD1	1:2A:135:ASN:N	2.45	0.49
1:3A:381:HIS:O	1:3A:382:LYS:CB	2.61	0.49
1:6B:423:GLU:OE2	1:6B:423:GLU:N	2.30	0.49
1:7B:355:SER:OG	1:7B:370:THR:N	2.39	0.49
1:7D:444:GLY:C	2:7Z:45:LYS:HZ2	2.21	0.49
1:7D:446:ALA:CA	2:7Z:41:TYR:CE2	2.66	0.49
1:1J:447:GLN:O	1:1J:448:ALA:CB	2.59	0.49
1:2J:335:PHE:O	1:2J:336:ALA:HB3	2.13	0.49
1:5G:204:THR:OG1	1:5G:205:SER:N	2.45	0.49
1:6J:119:VAL:O	1:6J:120:PHE:HB2	2.13	0.49
1:7H:245:GLU:OE1	1:7H:245:GLU:N	2.26	0.49
1:7I:445:GLY:HA2	2:7e:45:LYS:HB3	1.93	0.49
1:8H:447:GLN:CD	2:8l:44:VAL:CG2	2.86	0.49
1:8L:437:ILE:O	1:8L:438:ARG:HB2	2.13	0.49
1:1P:404:VAL:O	1:1P:405:SER:CB	2.61	0.49
1:1Q:36:VAL:N	1:1Q:37:PRO:HD2	2.28	0.49
1:2K:310:GLU:OE1	1:2K:310:GLU:HA	2.12	0.49
1:3N:355:SER:HB3	1:3N:356:PRO:HD3	1.95	0.49
1:3R:205:SER:OG	1:3R:206:SER:N	2.45	0.49
1:5N:426:PRO:O	1:5N:427:LYS:CB	2.61	0.49
1:5O:355:SER:O	1:5O:356:PRO:C	2.56	0.49
1:1V:393:GLY:CA	2:1t:107:LEU:HD12	2.40	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6W:202:GLU:HB3	1:6W:205:SER:OG	2.13	0.49
1:8W:448:ALA:O	2:8z:60:LEU:HG	2.09	0.49
1:1Z:6:ASN:O	1:1Z:7:ASP:CB	2.60	0.49
1:1c:36:VAL:N	1:1c:37:PRO:HD2	2.28	0.49
1:2W:53:ILE:O	1:2W:54:ASN:HB2	2.13	0.49
1:2X:91:ILE:HG22	1:2X:91:ILE:O	2.13	0.49
1:5Z:228:GLN:H	1:5Z:228:GLN:CD	2.16	0.49
1:8Z:447:GLN:CD	2:9N:44:VAL:HG21	2.38	0.49
1:8a:309:MET:HG2	1:8a:309:MET:O	2.13	0.49
2:1f:116:LYS:CA	2:1f:116:LYS:CE	2.85	0.49
2:1f:200:LEU:HD11	2:3f:200:LEU:HD21	1.83	0.49
2:1g:188:THR:OG1	2:2x:199:LEU:O	2.27	0.49
2:1g:273:LEU:HD13	2:3g:273:LEU:CG	2.43	0.49
2:2b:212:GLY:HA3	2:3e:203:ASN:HB2	1.94	0.49
2:2b:238:THR:C	2:4e:247:LYS:HB2	2.36	0.49
2:2d:248:GLY:N	2:3k:279:ILE:HA	2.28	0.49
2:3h:210:LEU:O	2:2w:203:ASN:N	2.45	0.49
2:6h:41:TYR:OH	2:8j:111:VAL:HG21	2.12	0.49
2:7a:57:MET:HE3	2:6v:61:ALA:HB1	1.94	0.49
2:7a:232:TYR:CD1	2:6v:232:TYR:HD2	2.31	0.49
2:7b:163:THR:H	2:7b:166:ASN:ND2	2.09	0.49
2:8e:118:ILE:HG12	2:8e:118:ILE:O	2.11	0.49
2:8e:206:VAL:HG11	2:9F:210:LEU:HA	1.94	0.49
2:9F:196:LEU:CD2	2:9O:183:PHE:HZ	2.26	0.49
2:1i:110:LEU:C	2:1i:110:LEU:CD2	2.86	0.49
2:1j:247:LYS:CB	2:3j:238:THR:O	2.53	0.49
2:1k:38:ILE:HD13	2:1k:114:ARG:NH1	2.28	0.49
2:2g:236:ALA:HB2	2:3i:242:LEU:HD11	1.94	0.49
2:2h:278:ILE:HD13	2:4h:278:ILE:HG23	1.94	0.49
2:2i:196:LEU:CD1	2:3o:200:LEU:HD23	2.42	0.49
2:4h:247:LYS:HE2	2:3p:239:THR:CG2	2.43	0.49
2:6i:148[B]:ILE:CD1	2:7l:148[B]:ILE:HD13	2.42	0.49
2:6j:236:ALA:HB2	2:7k:242:LEU:HD11	1.94	0.49
2:6k:242:LEU:O	2:7e:234:LEU:HD22	1.93	0.49
2:7i:108:VAL:HG13	2:7i:108:VAL:O	2.11	0.49
2:8m:28:ILE:CB	2:8q:73:VAL:HG11	2.42	0.49
2:8m:111:VAL:CG2	2:9H:57:MET:HE2	2.33	0.49
2:8m:183:PHE:HZ	2:9H:196:LEU:CD2	2.26	0.49
2:8o:99:VAL:CG1	2:7l:28:ILE:HD12	2.33	0.49
2:1m:77:LEU:HD12	2:1m:110:LEU:HG	1.93	0.49
2:2j:247:LYS:HE2	2:1t:280:SER:CB	2.42	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:200:LEU:HD22	2:4i:200:LEU:HD11	1.93	0.49
2:2m:228:ALA:HB2	2:3t:223:ARG:CB	2.42	0.49
2:2n:244:GLY:CA	2:3s:243:GLY:C	2.79	0.49
2:3n:118:ILE:HG22	2:3n:120:ILE:HG23	1.94	0.49
2:3p:38:ILE:HD13	2:3p:114:ARG:NH1	2.28	0.49
2:3p:110:LEU:C	2:3p:110:LEU:CD2	2.86	0.49
2:4i:118:ILE:CD1	2:4i:118:ILE:N	2.73	0.49
2:4j:247:LYS:CE	2:3t:239:THR:HG22	2.43	0.49
2:6o:242:LEU:CD2	2:7j:244:GLY:C	2.86	0.49
2:6p:245:VAL:O	2:7m:237:ALA:HB1	2.12	0.49
2:8q:232:TYR:HB2	2:9H:232:TYR:H	1.78	0.49
2:8t:118:ILE:HG12	2:8t:118:ILE:O	2.11	0.49
2:1s:266:LEU:CD1	2:3s:265:ASP:C	2.86	0.49
2:1s:273:LEU:HD13	2:3s:273:LEU:CG	2.43	0.49
2:2o:212:GLY:CA	2:1x:203:ASN:ND2	2.73	0.49
2:2p:163:THR:H	2:2p:166:ASN:ND2	2.09	0.49
2:4k:38:ILE:HD11	2:4k:114:ARG:CZ	2.34	0.49
2:4k:110:LEU:C	2:4k:110:LEU:CD2	2.86	0.49
2:5l:118:ILE:HG12	2:5l:118:ILE:O	2.11	0.49
2:6q:119:SER:HB3	2:9K:126:LYS:CE	2.43	0.49
2:6q:148[B]:ILE:CD1	2:9K:148[B]:ILE:HD13	2.42	0.49
2:6r:110:LEU:C	2:6r:110:LEU:CD2	2.86	0.49
2:6r:236:ALA:HB2	2:7u:242:LEU:HD11	1.94	0.49
2:7s:227:GLY:O	2:8x:229:GLY:O	2.31	0.49
2:8y:110:LEU:N	2:8y:110:LEU:CD1	2.73	0.49
2:5m:173:LEU:O	2:6w:162:THR:OG1	2.18	0.49
2:6u:167:LYS:HG2	2:9Q:174:LEU:HA	1.94	0.49
2:6x:110:LEU:C	2:6x:110:LEU:CD2	2.86	0.49
2:6x:174:LEU:O	2:9R:167:LYS:HB3	2.13	0.49
2:7w:219:LYS:HE3	2:9R:226:ILE:HA	1.94	0.49
2:7x:57:MET:CE	2:9N:61:ALA:HB1	2.29	0.49
2:7x:227:GLY:O	2:9N:229:GLY:O	2.31	0.49
2:9Q:97:TYR:CZ	2:9Q:111:VAL:CB	2.81	0.49
1:1D:404:VAL:O	1:1D:405:SER:CB	2.61	0.49
1:3A:306:LEU:HD23	1:3A:306:LEU:C	2.38	0.49
1:6A:448:ALA:HB3	2:6h:57:MET:HE2	1.89	0.49
1:1G:242:SER:OG	1:1G:337:ASN:ND2	2.44	0.49
1:2J:377:ASN:OD1	1:2J:377:ASN:C	2.54	0.49
1:3J:448:ALA:HB3	2:3k:60:LEU:HG	1.95	0.49
1:5K:445:GLY:O	2:5g:44:VAL:CB	2.59	0.49
1:5K:448:ALA:HA	2:5g:41:TYR:CD2	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8L:446:ALA:CB	2:8m:30:ILE:CD1	2.87	0.49
1:1N:6:ASN:O	1:1N:7:ASP:CB	2.60	0.49
1:1N:252:ASP:O	1:1N:253:ALA:HB3	2.13	0.49
1:2K:135:ASN:N	1:2K:135:ASN:OD1	2.44	0.49
1:2O:335:PHE:O	1:2O:336:ALA:HB3	2.13	0.49
1:3O:355:SER:HB2	1:3O:356:PRO:HD2	1.94	0.49
1:6Q:443:SER:C	2:6n:45:LYS:HZ2	2.21	0.49
1:6R:447:GLN:HB2	2:6m:44:VAL:HG11	1.94	0.49
1:7L:446:ALA:CB	2:7l:19:LEU:CD1	2.90	0.49
1:7M:67:ASP:O	1:7M:68:ARG:HB2	2.12	0.49
1:7O:335:PHE:O	1:7O:336:ALA:HB3	2.12	0.49
1:1S:446:ALA:CB	2:1q:19:LEU:CD1	2.91	0.49
1:1U:202:GLU:O	1:1U:209:ALA:CB	2.61	0.49
1:1U:393:GLY:HA2	2:1s:107:LEU:CD1	2.43	0.49
1:2P:245:GLU:OE1	1:2P:245:GLU:N	2.33	0.49
1:2S:407:ASN:ND2	2:2o:46:ASP:O	2.41	0.49
1:3T:101:TYR:CD2	1:3T:101:TYR:C	2.90	0.49
1:3X:446:ALA:HA	2:3q:43:ALA:HA	1.94	0.49
1:6S:331:SER:OG	1:6S:332:VAL:N	2.46	0.49
1:6V:119:VAL:O	1:6V:120:PHE:HB2	2.13	0.49
1:7Q:355:SER:OG	1:7Q:370:THR:N	2.39	0.49
1:8W:445:GLY:HA2	2:8z:45:LYS:CD	2.39	0.49
1:9D:228:GLN:OE1	1:9D:228:GLN:N	2.26	0.49
1:1c:212:GLU:OE2	1:1d:374:ARG:CD	2.57	0.49
1:2X:335:PHE:O	1:2X:336:ALA:HB3	2.13	0.49
1:5a:355:SER:O	1:5a:356:PRO:C	2.56	0.49
1:8b:445:GLY:CA	2:9Q:45:LYS:CB	2.60	0.49
2:1e:38:ILE:HD13	2:1e:114:ARG:NH1	2.28	0.49
2:1f:239:THR:CG2	2:2a:247:LYS:O	2.49	0.49
2:1f:247:LYS:CB	2:3f:239:THR:HG22	2.39	0.49
2:2a:200:LEU:HD23	2:3f:196:LEU:HB3	1.94	0.49
2:2a:227:GLY:O	2:3f:230:VAL:CG1	2.57	0.49
2:2c:206:VAL:HG21	2:3l:210:LEU:HA	1.94	0.49
2:2c:228:ALA:HB2	2:3l:223:ARG:CB	2.42	0.49
2:3e:126:LYS:C	2:3e:126:LYS:CD	2.85	0.49
2:3h:38:ILE:HD13	2:3h:114:ARG:NH1	2.28	0.49
2:3h:223:ARG:CB	2:2w:228:ALA:HB2	2.42	0.49
2:4f:247:LYS:CE	2:3l:239:THR:HG22	2.43	0.49
2:6f:196:LEU:HB3	2:7f:200:LEU:CD2	2.42	0.49
2:7c:148[A]:ILE:CD1	2:8j:148[A]:ILE:HD13	2.42	0.49
2:8e:163:THR:H	2:8e:166:ASN:ND2	2.09	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8f:163:THR:H	2:8f:166:ASN:ND2	2.09	0.49
2:8g:214:PRO:CD	2:9G:225:MET:HG3	2.42	0.49
2:8i:163:THR:H	2:8i:166:ASN:ND2	2.09	0.49
2:1k:273:LEU:HD13	2:3k:273:LEU:CG	2.43	0.49
2:2e:163:THR:H	2:2e:166:ASN:ND2	2.09	0.49
2:2f:59:PRO:HG3	2:3j:59:PRO:O	2.13	0.49
2:2f:202:SER:HB3	2:3j:193:LYS:HD3	1.94	0.49
2:2f:227:GLY:O	2:3j:230:VAL:CG1	2.58	0.49
2:2h:201:VAL:CG2	2:3p:210:LEU:CD1	2.79	0.49
2:3i:118:ILE:HG12	2:3i:118:ILE:O	2.11	0.49
2:3j:118:ILE:CD1	2:3j:118:ILE:N	2.73	0.49
2:3j:163:THR:H	2:3j:166:ASN:ND2	2.09	0.49
2:4g:38:ILE:HD13	2:4g:114:ARG:NH1	2.28	0.49
2:6i:139:ASN:O	2:8o:130:ASP:HB2	2.13	0.49
2:6j:38:ILE:HD13	2:6j:114:ARG:NH1	2.28	0.49
2:6j:110:LEU:C	2:6j:110:LEU:CD2	2.86	0.49
2:6k:150:GLU:CD	2:7e:141:PRO:CB	2.83	0.49
2:7i:57:MET:CE	2:8l:61:ALA:HB1	2.29	0.49
2:8o:77:LEU:HD12	2:8o:110:LEU:HG	1.92	0.49
2:1o:110:LEU:C	2:1o:110:LEU:CD2	2.85	0.49
2:1o:278:ILE:HG22	2:3o:278:ILE:HD12	1.91	0.49
2:2j:222:LEU:C	2:1t:226:ILE:HD12	2.38	0.49
2:2k:59:PRO:HG3	2:3n:59:PRO:O	2.13	0.49
2:2k:163:THR:H	2:2k:166:ASN:ND2	2.09	0.49
2:2k:242:LEU:C	2:3n:244:GLY:CA	2.82	0.49
2:2n:196:LEU:CB	2:3s:200:LEU:HD22	2.41	0.49
2:2n:248:GLY:N	2:3s:279:ILE:HA	2.28	0.49
2:5i:270:ILE:HG12	2:6o:251:VAL:CG2	2.43	0.49
2:7m:254:SER:CA	2:8v:267:ASN:OD1	2.61	0.49
2:1q:118:ILE:HG22	2:1q:120:ILE:HG23	1.94	0.49
2:1r:244:GLY:CA	2:3r:242:LEU:CD1	2.87	0.49
2:1s:243:GLY:C	2:3s:245:VAL:O	2.54	0.49
2:1s:280:SER:HB2	2:3s:249:ALA:CA	2.42	0.49
2:3q:119:SER:HB3	2:4k:126:LYS:HG2	1.93	0.49
2:5k:245:VAL:HG13	2:6s:245:VAL:CG2	2.42	0.49
2:6r:38:ILE:HD13	2:6r:114:ARG:NH1	2.28	0.49
2:7r:183:PHE:HZ	2:9L:183:PHE:CG	2.30	0.49
2:1w:38:ILE:HD13	2:1w:114:ARG:NH1	2.28	0.49
2:1w:266:LEU:CD2	2:3w:265:ASP:HB3	2.37	0.49
2:2u:226:ILE:CG2	2:3v:222:LEU:HD13	2.42	0.49
2:3u:259:VAL:HG22	2:4m:259:VAL:CG2	2.40	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5m:270:ILE:HG23	2:6w:251:VAL:CG2	2.36	0.49
2:6w:209:LEU:CD2	2:7t:209:LEU:HD21	2.43	0.49
2:7w:139:ASN:O	2:9R:130:ASP:HB2	2.11	0.49
2:9O:38:ILE:HD13	2:9O:114:ARG:NH1	2.28	0.49
1:2C:53:ILE:O	1:2C:54:ASN:HB2	2.13	0.49
1:7D:392:THR:HB	2:7Z:46:ASP:OD2	2.13	0.49
1:7D:445:GLY:CA	2:7Z:45:LYS:HD2	2.38	0.49
1:7D:446:ALA:HB1	2:7Z:41:TYR:HE2	0.32	0.49
1:7D:447:GLN:HG3	2:7Z:44:VAL:CG1	2.37	0.49
1:3H:274:ASP:OD1	1:3H:274:ASP:C	2.54	0.49
1:3H:355:SER:HB3	1:3H:356:PRO:HD3	1.95	0.49
1:4H:206:SER:O	1:4H:207:THR:C	2.56	0.49
1:6I:400:GLY:O	1:6I:401:LEU:HB2	2.13	0.49
1:6K:202:GLU:HB3	1:6K:205:SER:OG	2.13	0.49
1:7H:38:LEU:O	1:7H:39:ALA:CB	2.61	0.49
1:8H:445:GLY:CA	2:8I:45:LYS:HB2	2.43	0.49
1:8I:309:MET:O	1:8I:309:MET:HG2	2.13	0.49
1:2K:448:ALA:HB2	2:2m:41:TYR:HA	1.94	0.49
1:2O:202:GLU:C	1:2O:202:GLU:CD	2.80	0.49
1:3Q:445:GLY:HA2	2:3n:45:LYS:HB2	1.94	0.49
1:4N:206:SER:O	1:4N:207:THR:C	2.56	0.49
1:5O:205:SER:OG	1:5O:206:SER:N	2.42	0.49
1:6N:448:ALA:HB2	2:6o:41:TYR:CD1	2.47	0.49
1:6P:119:VAL:O	1:6P:120:PHE:HB2	2.13	0.49
1:6R:447:GLN:O	1:6R:448:ALA:CB	2.61	0.49
1:7N:205:SER:OG	1:7N:206:SER:N	2.42	0.49
1:8N:208:GLY:O	1:8N:212:GLU:HG3	2.13	0.49
1:8O:205:SER:OG	1:8O:206:SER:N	2.41	0.49
1:8O:309:MET:O	1:8O:309:MET:HG2	2.13	0.49
1:8O:392:THR:CG2	2:8v:107:LEU:CG	2.91	0.49
1:8P:447:GLN:OE1	2:8u:56:ASN:ND2	2.34	0.49
1:8R:331:SER:OG	1:8R:332:VAL:N	2.46	0.49
1:1T:6:ASN:O	1:1T:7:ASP:CB	2.60	0.49
1:1T:252:ASP:O	1:1T:253:ALA:HB3	2.13	0.49
1:1V:404:VAL:O	1:1V:405:SER:CB	2.61	0.49
1:2Q:393:GLY:CA	2:2q:15:ALA:HB3	2.43	0.49
1:2Q:407:ASN:CG	2:2q:45:LYS:HG3	2.38	0.49
1:2R:53:ILE:O	1:2R:54:ASN:HB2	2.13	0.49
1:2S:335:PHE:O	1:2S:336:ALA:HB3	2.13	0.49
1:7Q:394:THR:HA	2:7q:16:TYR:HE1	1.78	0.49
1:7S:314:ASN:OD1	1:7S:314:ASN:C	2.56	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8T:200:ILE:C	1:8T:201:ASP:OD1	2.55	0.49
1:8U:252:ASP:OD1	1:8U:252:ASP:C	2.53	0.49
1:8V:252:ASP:OD1	1:8V:252:ASP:C	2.52	0.49
1:4d:439:PRO:O	1:4d:440:ASN:HB3	2.13	0.49
1:6d:447:GLN:O	1:6d:448:ALA:CB	2.61	0.49
1:7X:444:GLY:O	2:7t:53:THR:OG1	2.30	0.49
1:7Y:331:SER:OG	1:7Y:332:VAL:N	2.45	0.49
1:8Y:446:ALA:C	2:9M:56:ASN:H	2.13	0.49
1:8b:445:GLY:CA	2:9Q:45:LYS:H	2.24	0.49
2:1e:247:LYS:HE2	2:2Z:280:SER:HG	1.68	0.49
2:1g:77:LEU:HD11	2:1g:98:ALA:HB2	1.95	0.49
2:1g:111:VAL:HG13	2:2x:57:MET:HE2	1.94	0.49
2:1h:126:LYS:C	2:1h:126:LYS:CD	2.85	0.49
2:1h:226:ILE:O	2:2t:219:LYS:O	2.30	0.49
2:2d:232:TYR:CD2	2:3k:232:TYR:CD1	2.96	0.49
2:3f:38:ILE:HD13	2:3f:114:ARG:NH1	2.28	0.49
2:3g:174:LEU:HD22	2:2x:170:LEU:HB3	1.94	0.49
2:5f:228:ALA:HB1	2:7a:228:ALA:HB1	1.94	0.49
2:6e:158[B]:ILE:HA	2:8i:154:ALA:CB	2.41	0.49
2:6f:120:ILE:HD13	2:7f:120:ILE:HG21	1.95	0.49
2:6g:240:THR:CA	2:7Z:246:LYS:CD	2.85	0.49
2:7c:254:SER:CA	2:8j:267:ASN:OD1	2.61	0.49
2:7d:227:GLY:O	2:8f:229:GLY:O	2.31	0.49
2:8e:150:GLU:CD	2:9F:145:ARG:HH12	2.20	0.49
2:8f:118:ILE:HG22	2:8f:120:ILE:HG23	1.94	0.49
2:8g:28:ILE:HB	2:8k:73:VAL:HG11	1.92	0.49
2:8g:183:PHE:HZ	2:9G:196:LEU:CD2	2.26	0.49
2:9F:239:THR:CG2	2:9O:247:LYS:CG	2.69	0.49
2:1i:244:GLY:CA	2:2e:242:LEU:CA	2.67	0.49
2:2e:244:GLY:HA3	2:1p:242:LEU:C	2.36	0.49
2:2i:196:LEU:CB	2:3o:200:LEU:HD22	2.40	0.49
2:4g:77:LEU:HD11	2:4g:98:ALA:HB2	1.95	0.49
2:5h:228:ALA:HB1	2:7f:228:ALA:HB1	1.94	0.49
2:6i:73:VAL:HG11	2:8o:28:ILE:HA	1.95	0.49
2:6i:120:ILE:HD13	2:8o:120:ILE:CD1	2.43	0.49
2:6l:131:THR:OG1	2:8p:140:THR:CA	2.60	0.49
2:6l:188:THR:OG1	2:7h:199:LEU:O	2.30	0.49
2:8k:116:LYS:CA	2:8k:116:LYS:CE	2.86	0.49
2:8l:118:ILE:HG22	2:8l:120:ILE:HG23	1.94	0.49
2:8m:273:LEU:HD21	2:9H:279:ILE:CG2	2.43	0.49
2:8n:254:SER:N	2:8r:267:ASN:OD1	2.46	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8o:38:ILE:HD13	2:8o:114:ARG:NH1	2.28	0.49
2:1n:228:ALA:HB1	2:3n:228:ALA:CA	2.34	0.49
2:2l:108:VAL:O	2:2l:108:VAL:HG13	2.11	0.49
2:2m:108:VAL:O	2:2m:108:VAL:HG13	2.11	0.49
2:4i:77:LEU:HD11	2:4i:98:ALA:HB2	1.95	0.49
2:6n:242:LEU:HD23	2:5l:245:VAL:CA	2.43	0.49
2:6o:150:GLU:CD	2:7j:141:PRO:CB	2.83	0.49
2:8q:125:ILE:HA	2:9H:120:ILE:HG13	1.95	0.49
2:8s:38:ILE:HD13	2:8s:114:ARG:NH1	2.28	0.49
2:8t:116:LYS:CA	2:8t:116:LYS:CE	2.85	0.49
2:8u:77:LEU:HD11	2:8u:98:ALA:HB2	1.95	0.49
2:1q:72:LYS:NZ	2:2o:26:ASP:OD1	2.43	0.49
2:2q:239:THR:HG22	2:4k:247:LYS:C	2.37	0.49
2:2s:163:THR:H	2:2s:166:ASN:ND2	2.09	0.49
2:3q:236:ALA:CA	2:4k:242:LEU:HD13	2.43	0.49
2:4l:126:LYS:C	2:4l:126:LYS:CD	2.85	0.49
2:5k:38:ILE:HD13	2:5k:114:ARG:NH1	2.28	0.49
2:5k:148[B]:ILE:HD13	2:6s:148[B]:ILE:CD1	2.43	0.49
2:5l:163:THR:H	2:5l:166:ASN:ND2	2.09	0.49
2:6q:120:ILE:HD13	2:9K:120:ILE:CD1	2.43	0.49
2:6q:254:SER:OG	2:9K:266:LEU:HD23	2.12	0.49
2:6r:242:LEU:HD23	2:5n:245:VAL:CA	2.43	0.49
2:6s:242:LEU:CD2	2:7o:244:GLY:C	2.86	0.49
2:6t:38:ILE:HD13	2:6t:114:ARG:NH1	2.28	0.49
2:7r:234:LEU:HD21	2:9L:234:LEU:HD11	1.94	0.49
2:7r:248:GLY:CA	2:9L:278:ILE:O	2.61	0.49
2:8x:118:ILE:HG22	2:8x:120:ILE:HG23	1.94	0.49
2:8y:183:PHE:HZ	2:9J:196:LEU:CD2	2.26	0.49
2:8z:228:ALA:HB1	2:7x:228:ALA:CB	2.28	0.49
2:9K:38:ILE:HD13	2:9K:114:ARG:NH1	2.28	0.49
2:1w:280:SER:HB2	2:3w:249:ALA:CA	2.42	0.49
2:3x:38:ILE:HD13	2:3x:114:ARG:NH1	2.28	0.49
2:6u:73:VAL:HG11	2:9Q:28:ILE:HA	1.95	0.49
2:6v:38:ILE:HD13	2:6v:114:ARG:NH1	2.28	0.49
2:7w:248:GLY:CA	2:9R:278:ILE:O	2.61	0.49
2:9P:126:LYS:C	2:9P:126:LYS:CD	2.86	0.49
1:1E:212:GLU:OE2	1:1F:374:ARG:CD	2.57	0.48
1:2A:205:SER:OG	1:2A:206:SER:N	2.45	0.48
1:3F:422:THR:OG1	1:3F:423:GLU:N	2.45	0.48
1:6B:245:GLU:OE1	1:6B:245:GLU:N	2.38	0.48
1:6D:119:VAL:O	1:6D:120:PHE:HB2	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6F:447:GLN:O	1:6F:448:ALA:CB	2.61	0.48
1:7B:205:SER:OG	1:7B:206:SER:N	2.45	0.48
1:7C:38:LEU:O	1:7C:39:ALA:CB	2.61	0.48
1:8A:444:GLY:C	2:8e:56:ASN:ND2	2.71	0.48
1:8B:447:GLN:OE1	2:8f:44:VAL:HG21	2.13	0.48
1:5H:296:ASP:OD1	1:5H:296:ASP:C	2.56	0.48
1:7G:392:THR:O	2:7g:46:ASP:OD2	2.31	0.48
1:1N:355:SER:HB3	1:1N:356:PRO:HD3	1.93	0.48
1:2M:355:SER:O	1:2M:356:PRO:C	2.56	0.48
1:3M:306:LEU:HD23	1:3M:306:LEU:C	2.38	0.48
1:5P:205:SER:OG	1:5P:206:SER:N	2.46	0.48
1:5P:314:ASN:OD1	1:5P:314:ASN:C	2.54	0.48
1:6Q:202:GLU:HB3	1:6Q:205:SER:OG	2.13	0.48
1:7K:205:SER:OG	1:7K:206:SER:N	2.46	0.48
1:7K:447:GLN:CD	2:7n:44:VAL:HG11	2.38	0.48
1:8O:396:ILE:O	1:8O:396:ILE:CG2	2.46	0.48
1:2Q:393:GLY:HA3	2:2q:15:ALA:HB3	1.95	0.48
1:5T:252:ASP:OD1	1:5T:252:ASP:C	2.56	0.48
1:7P:446:ALA:HA	2:7s:43:ALA:HA	1.95	0.48
1:1Z:445:GLY:HA2	2:1v:45:LYS:CG	2.39	0.48
1:1a:355:SER:HB3	1:1a:356:PRO:HD3	1.95	0.48
1:3Z:355:SER:HB3	1:3Z:356:PRO:HD3	1.95	0.48
1:3a:447:GLN:HG2	2:3x:44:VAL:HG21	1.89	0.48
1:4d:447:GLN:HG3	2:4n:44:VAL:CG1	2.33	0.48
1:5b:314:ASN:OD1	1:5b:314:ASN:C	2.54	0.48
1:5d:443:SER:O	2:5n:44:VAL:HG22	2.13	0.48
1:6a:400:GLY:O	1:6a:401:LEU:HB2	2.13	0.48
1:6c:202:GLU:HB3	1:6c:205:SER:OG	2.13	0.48
1:8d:445:GLY:N	2:9O:44:VAL:HB	2.27	0.48
2:1e:110:LEU:C	2:1e:110:LEU:CD2	2.86	0.48
2:1g:251:VAL:CG1	2:2x:279:ILE:CD1	2.82	0.48
2:1h:163:THR:H	2:1h:166:ASN:ND2	2.09	0.48
2:2c:240:THR:C	2:3l:246:LYS:HG2	2.38	0.48
2:3e:163:THR:H	2:3e:166:ASN:ND2	2.09	0.48
2:3g:225:MET:CG	2:2x:214:PRO:CD	2.91	0.48
2:3h:118:ILE:CD1	2:3h:118:ILE:N	2.73	0.48
2:6g:242:LEU:CD2	2:7Z:244:GLY:C	2.86	0.48
2:8g:28:ILE:HA	2:8k:73:VAL:HG11	1.95	0.48
2:8g:244:GLY:HA3	2:9G:243:GLY:N	2.25	0.48
2:8g:279:ILE:HD13	2:8k:251:VAL:CG1	2.39	0.48
2:8h:99:VAL:HA	2:8l:28:ILE:HD12	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8i:38:ILE:HD13	2:8i:114:ARG:NH1	2.28	0.48
2:9F:173:LEU:HB3	2:9O:157:LEU:CD1	2.43	0.48
2:2g:209:LEU:CD1	2:3i:225:MET:SD	2.80	0.48
2:2g:244:GLY:HA3	2:3i:242:LEU:HB3	1.94	0.48
2:2h:242:LEU:HD13	2:3p:243:GLY:HA3	1.90	0.48
2:2i:111:VAL:HG11	2:3o:41:TYR:OH	2.13	0.48
2:6j:232:TYR:HD2	2:7k:232:TYR:CD1	2.30	0.48
2:6k:226:ILE:CG2	2:7e:222:LEU:HB2	2.34	0.48
2:7i:227:GLY:O	2:8l:229:GLY:O	2.31	0.48
2:8m:141:PRO:HB2	2:9H:150:GLU:CD	2.36	0.48
2:8n:253:ALA:CB	2:8r:267:ASN:OD1	2.51	0.48
2:1m:110:LEU:C	2:1m:110:LEU:CD2	2.85	0.48
2:1m:244:GLY:N	2:2j:242:LEU:CD1	2.42	0.48
2:2m:278:ILE:HD13	2:4j:278:ILE:HG23	1.94	0.48
2:3n:38:ILE:HD13	2:3n:114:ARG:NH1	2.28	0.48
2:3n:163:THR:H	2:3n:166:ASN:ND2	2.09	0.48
2:4i:118:ILE:HG22	2:4i:120:ILE:HG23	1.94	0.48
2:4j:99:VAL:HA	2:3t:28:ILE:HD12	1.95	0.48
2:5i:38:ILE:HD13	2:5i:114:ARG:NH1	2.28	0.48
2:5i:77:LEU:HD11	2:5i:98:ALA:HB2	1.95	0.48
2:5i:110:LEU:C	2:5i:110:LEU:CD2	2.86	0.48
2:5i:149[B]:ILE:HG23	2:6o:158[B]:ILE:HG23	1.93	0.48
2:6o:228:ALA:N	2:7j:223:ARG:CD	2.63	0.48
2:6p:38:ILE:HD13	2:6p:114:ARG:NH1	2.28	0.48
2:7m:219:LYS:HE3	2:8v:226:ILE:HA	1.94	0.48
2:8r:110:LEU:N	2:8r:110:LEU:CD1	2.73	0.48
2:8s:157:LEU:CD1	2:9I:173:LEU:HB3	2.43	0.48
2:8s:214:PRO:CD	2:9I:225:MET:HG3	2.42	0.48
2:8s:234:LEU:HD21	2:9I:243:GLY:N	2.17	0.48
2:8u:38:ILE:HD13	2:8u:114:ARG:NH1	2.28	0.48
2:1q:200:LEU:HD13	2:2o:200:LEU:CG	2.39	0.48
2:1s:118:ILE:HG22	2:1s:120:ILE:HG23	1.94	0.48
2:2r:206:VAL:HG21	2:3x:210:LEU:HA	1.94	0.48
2:2s:111:VAL:HG11	2:3w:41:TYR:OH	2.13	0.48
2:2s:170:LEU:HB3	2:3w:174:LEU:HD22	1.94	0.48
2:2s:248:GLY:N	2:3w:279:ILE:HA	2.28	0.48
2:3q:259:VAL:CG2	2:4k:259:VAL:HG22	2.42	0.48
2:3r:77:LEU:HD11	2:3r:98:ALA:HB2	1.95	0.48
2:6r:226:ILE:HD11	2:5n:226:ILE:HD11	1.94	0.48
2:6r:232:TYR:HD2	2:7u:232:TYR:CD1	2.30	0.48
2:6r:246:LYS:CD	2:7u:240:THR:C	2.86	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:209:LEU:CD2	2:7o:209:LEU:HD21	2.43	0.48
2:6t:173:LEU:HD13	2:9L:160:GLY:HA2	1.94	0.48
2:8w:175:PHE:HA	2:9I:171:GLN:HE21	1.75	0.48
2:8x:110:LEU:C	2:8x:110:LEU:CD2	2.86	0.48
2:8z:254:SER:N	2:9N:267:ASN:OD1	2.46	0.48
2:1u:110:LEU:C	2:1u:110:LEU:CD2	2.85	0.48
2:1v:239:THR:HA	2:2u:247:LYS:H	1.76	0.48
2:1x:116:LYS:CA	2:1x:116:LYS:CE	2.85	0.48
2:2x:163:THR:H	2:2x:166:ASN:ND2	2.09	0.48
2:3v:97:TYR:CZ	2:3v:111:VAL:CB	2.82	0.48
2:6u:120:ILE:HD13	2:9Q:120:ILE:CD1	2.43	0.48
2:7t:90:ASP:OD1	2:7t:90:ASP:C	2.57	0.48
1:2A:310:GLU:OE1	1:2A:310:GLU:HA	2.12	0.48
1:2E:335:PHE:O	1:2E:336:ALA:HB3	2.13	0.48
1:5E:442:ALA:O	2:5e:45:LYS:NZ	2.35	0.48
1:6E:202:GLU:HB3	1:6E:205:SER:OG	2.13	0.48
1:7C:151:THR:HG23	1:8c:95:ARG:HB2	1.96	0.48
1:8A:448:ALA:N	2:8e:56:ASN:O	2.38	0.48
1:1H:6:ASN:O	1:1H:7:ASP:CB	2.60	0.48
1:2G:354:VAL:HG21	1:2G:433:ALA:HB2	1.93	0.48
1:2I:91:ILE:O	1:2I:91:ILE:HG22	2.13	0.48
1:7G:447:GLN:HG3	2:7g:44:VAL:CG1	2.42	0.48
1:8H:208:GLY:O	1:8H:212:GLU:HG3	2.13	0.48
1:8I:445:GLY:C	2:8p:44:VAL:H	2.15	0.48
1:1O:18:TYR:O	1:1O:19:ASP:CB	2.60	0.48
1:2L:30:ASP:OD1	1:2L:30:ASP:N	2.45	0.48
1:2M:448:ALA:HB3	2:2k:41:TYR:HD1	1.77	0.48
1:5N:296:ASP:OD1	1:5N:296:ASP:C	2.56	0.48
1:5Q:447:GLN:O	2:5i:41:TYR:HB3	2.12	0.48
1:7L:447:GLN:HB2	2:7l:42:VAL:CG1	2.42	0.48
1:2T:26:ASN:OD1	2:1r:52:LEU:N	2.41	0.48
1:2T:28:GLN:CG	2:1r:52:LEU:HD11	2.42	0.48
1:3X:422:THR:OG1	1:3X:423:GLU:N	2.45	0.48
1:5T:228:GLN:H	1:5T:228:GLN:CD	2.16	0.48
1:5V:314:ASN:OD1	1:5V:314:ASN:C	2.54	0.48
1:6T:407:ASN:CG	2:6s:45:LYS:HA	2.39	0.48
1:7R:394:THR:N	2:7p:16:TYR:HE1	2.11	0.48
1:7T:26:ASN:ND2	2:5l:51:ASP:OD1	2.45	0.48
1:7T:103:ASP:OD1	1:7T:103:ASP:C	2.55	0.48
1:8S:205:SER:OG	1:8S:206:SER:N	2.46	0.48
1:1a:202:GLU:O	1:1a:209:ALA:HB1	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2W:447:GLN:O	2:2u:41:TYR:HD1	1.85	0.48
1:2Y:270:MET:C	1:2Y:270:MET:SD	2.96	0.48
1:3a:363:GLN:HB3	1:3a:440:ASN:H	1.77	0.48
1:4Z:203:PRO:O	1:4Z:204:THR:OG1	2.30	0.48
1:5a:19:ASP:OD1	1:5a:19:ASP:C	2.55	0.48
1:6Z:446:ALA:O	2:6w:55:VAL:CA	2.61	0.48
1:7U:266:LYS:O	1:7U:266:LYS:HG2	2.11	0.48
1:7X:445:GLY:C	2:7t:45:LYS:HB3	2.38	0.48
2:1e:77:LEU:HD11	2:1e:98:ALA:HB2	1.95	0.48
2:1h:122:VAL:HG23	2:1u:127:ASP:OD1	2.13	0.48
2:2a:90:ASP:OD1	2:2a:90:ASP:C	2.56	0.48
2:3e:231:PRO:CA	2:4e:229:GLY:HA3	2.43	0.48
2:3g:210:LEU:HD21	2:2x:210:LEU:HD21	1.94	0.48
2:5e:118:ILE:HG22	2:5e:120:ILE:HG23	1.94	0.48
2:6e:139:ASN:O	2:8i:130:ASP:HB2	2.13	0.48
2:6e:148[B]:ILE:CD1	2:7g:148[B]:ILE:HD13	2.42	0.48
2:6e:258:ASP:N	2:8i:259:VAL:CB	2.61	0.48
2:6h:97:TYR:CZ	2:6h:111:VAL:CB	2.82	0.48
2:7c:139:ASN:C	2:8j:131:THR:H	2.22	0.48
2:8f:77:LEU:HD11	2:8f:98:ALA:HB2	1.95	0.48
2:8g:110:LEU:C	2:8g:110:LEU:CD2	2.86	0.48
2:8h:242:LEU:HD21	2:7i:244:GLY:O	2.12	0.48
2:1i:247:LYS:CG	2:2e:239:THR:HG22	1.86	0.48
2:1k:163:THR:H	2:1k:166:ASN:ND2	2.09	0.48
2:1k:237:ALA:CB	2:3k:245:VAL:O	2.54	0.48
2:2e:222:LEU:C	2:1p:226:ILE:HD12	2.38	0.48
2:2g:245:VAL:HG23	2:3i:237:ALA:HB1	1.94	0.48
2:2i:57:MET:HE2	2:1o:111:VAL:HG13	1.94	0.48
2:6j:242:LEU:HD23	2:5j:245:VAL:CA	2.43	0.48
2:6k:280:SER:OG	2:7e:247:LYS:HE2	2.12	0.48
2:7g:163:THR:H	2:7g:166:ASN:ND2	2.09	0.48
2:8l:77:LEU:HD11	2:8l:98:ALA:HB2	1.96	0.48
2:8m:3:VAL:CG1	2:8q:62:ALA:HB3	2.43	0.48
2:8m:163:THR:H	2:8m:166:ASN:ND2	2.09	0.48
2:8n:239:THR:HG22	2:7n:247:LYS:CG	2.42	0.48
2:8o:77:LEU:HD11	2:8o:98:ALA:HB2	1.95	0.48
2:1o:77:LEU:HD11	2:1o:98:ALA:HB2	1.95	0.48
2:1o:163:THR:H	2:1o:166:ASN:ND2	2.09	0.48
2:1o:240:THR:O	2:3o:246:LYS:NZ	2.47	0.48
2:2l:244:GLY:HA3	2:3m:242:LEU:HB3	1.94	0.48
2:2m:239:THR:HB	2:3t:247:LYS:O	1.63	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:184:LEU:CD2	2:3s:184:LEU:HD21	2.42	0.48
2:6m:124:ASP:O	2:7q:119:SER:CA	2.61	0.48
2:6n:222:LEU:HD13	2:7p:226:ILE:CG2	2.41	0.48
2:6o:222:LEU:HD23	2:7j:209:LEU:HD11	1.94	0.48
2:6p:141:PRO:HB2	2:7m:150:GLU:CD	2.39	0.48
2:7m:148[A]:ILE:CD1	2:8v:148[A]:ILE:HD13	2.42	0.48
2:7m:247:LYS:HE3	2:8v:277:GLY:CA	2.44	0.48
2:7m:259:VAL:N	2:8v:259:VAL:CG1	2.73	0.48
2:7n:90:ASP:OD1	2:7n:90:ASP:C	2.56	0.48
2:8r:38:ILE:HD13	2:8r:114:ARG:NH1	2.28	0.48
2:8s:57:MET:HB3	2:8w:61:ALA:HB3	1.95	0.48
2:8s:148[A]:ILE:HG23	2:8w:145:ARG:HG3	1.95	0.48
2:8s:183:PHE:HZ	2:9I:196:LEU:CD2	2.26	0.48
2:8s:212:GLY:HA2	2:9I:203:ASN:CG	2.33	0.48
2:8s:273:LEU:HD21	2:9I:279:ILE:CG2	2.43	0.48
2:8u:38:ILE:HD11	2:8u:114:ARG:CZ	2.34	0.48
2:2p:59:PRO:HG3	2:3r:59:PRO:O	2.13	0.48
2:3q:247:LYS:N	2:4k:238:THR:C	2.58	0.48
2:4k:77:LEU:HD11	2:4k:98:ALA:HB2	1.95	0.48
2:4k:118:ILE:HG22	2:4k:120:ILE:HG23	1.94	0.48
2:6q:126:LYS:HB2	2:7v:119:SER:HB3	1.95	0.48
2:6q:258:ASP:N	2:9K:259:VAL:CB	2.61	0.48
2:6t:131:THR:OG1	2:9L:140:THR:CA	2.60	0.48
2:8y:3:VAL:CG1	2:9M:62:ALA:HB3	2.43	0.48
2:8y:38:ILE:HD13	2:8y:114:ARG:NH1	2.28	0.48
2:2v:206:VAL:HG11	2:4m:210:LEU:HD23	1.95	0.48
2:3u:236:ALA:CA	2:4m:242:LEU:HD13	2.43	0.48
2:3x:118:ILE:CD1	2:3x:118:ILE:N	2.73	0.48
2:5m:254:SER:HB3	2:7t:266:LEU:HD21	1.93	0.48
2:6v:110:LEU:N	2:6v:110:LEU:CD1	2.74	0.48
2:7w:139:ASN:C	2:9R:131:THR:H	2.22	0.48
1:1D:444:GLY:CA	2:1h:44:VAL:HG21	2.44	0.48
1:2D:335:PHE:O	1:2D:336:ALA:HB3	2.13	0.48
1:3A:228:GLN:OE1	1:3A:228:GLN:N	2.30	0.48
1:3E:36:VAL:N	1:3E:37:PRO:CD	2.76	0.48
1:7A:93:LEU:C	1:7A:93:LEU:CD1	2.87	0.48
1:7E:331:SER:OG	1:7E:332:VAL:N	2.45	0.48
1:8B:200:ILE:O	1:8B:201:ASP:OD1	2.31	0.48
1:2F:135:ASN:OD1	1:2F:135:ASN:N	2.44	0.48
1:4H:118:LYS:O	1:4H:120:PHE:N	2.46	0.48
1:6G:30:ASP:OD1	1:6G:30:ASP:C	2.54	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8J:448:ALA:CB	2:8o:41:TYR:CD2	2.97	0.48
1:2N:447:GLN:O	1:2N:448:ALA:CB	2.62	0.48
1:2O:270:MET:C	1:2O:270:MET:SD	2.96	0.48
1:3O:363:GLN:HB3	1:3O:440:ASN:H	1.77	0.48
1:6P:205:SER:OG	1:6P:206:SER:N	2.46	0.48
1:8R:447:GLN:CB	2:8s:44:VAL:HG23	2.43	0.48
1:1U:355:SER:HB3	1:1U:356:PRO:HD3	1.95	0.48
1:2Q:447:GLN:O	1:2Q:448:ALA:CB	2.62	0.48
1:3S:381:HIS:O	1:3S:382:LYS:CB	2.61	0.48
1:3U:447:GLN:NE2	2:3t:44:VAL:HG21	2.11	0.48
1:3W:252:ASP:OD1	1:3W:252:ASP:C	2.53	0.48
1:4T:118:LYS:O	1:4T:120:PHE:N	2.46	0.48
1:7R:382:LYS:HD3	2:7p:101:GLU:OE2	2.13	0.48
1:1Y:242:SER:OG	1:1Y:337:ASN:ND2	2.44	0.48
1:1Y:447:GLN:O	2:1u:42:VAL:HG12	2.13	0.48
1:1a:19:ASP:O	1:1a:20:ILE:HB	2.14	0.48
1:3Y:95:ARG:O	1:3Y:96:THR:HB	2.14	0.48
1:3Z:283:ASP:OD2	1:3Z:283:ASP:C	2.57	0.48
1:4d:314:ASN:OD1	1:4d:314:ASN:C	2.56	0.48
1:5d:419:ASP:CB	1:5d:425:LYS:HZ3	2.13	0.48
1:6Y:447:GLN:HA	2:6x:56:ASN:HB2	1.95	0.48
1:6b:119:VAL:O	1:6b:120:PHE:HB2	2.13	0.48
1:7X:377:ASN:OD1	1:7X:377:ASN:C	2.57	0.48
1:8Z:202:GLU:C	1:8Z:204:THR:N	2.71	0.48
2:1g:240:THR:O	2:3g:246:LYS:NZ	2.47	0.48
2:1g:270:ILE:CD1	2:3g:251:VAL:CG2	2.91	0.48
2:1h:209:LEU:CD2	2:2t:209:LEU:CD2	2.90	0.48
2:2c:188:THR:OG1	2:4f:199:LEU:O	2.14	0.48
2:3e:73:VAL:CG1	2:4e:28:ILE:HB	2.43	0.48
2:3g:163:THR:H	2:3g:166:ASN:ND2	2.09	0.48
2:4f:163:THR:H	2:4f:166:ASN:ND2	2.09	0.48
2:6e:120:ILE:HD13	2:8i:120:ILE:CD1	2.43	0.48
2:6e:167:LYS:HG2	2:8i:174:LEU:HA	1.94	0.48
2:6e:265:ASP:CB	2:8i:266:LEU:HD22	2.03	0.48
2:6f:77:LEU:HD11	2:6f:98:ALA:HB2	1.95	0.48
2:6f:280:SER:OG	2:5h:247:LYS:HG2	2.13	0.48
2:6h:110:LEU:C	2:6h:110:LEU:CD2	2.86	0.48
2:7a:200:LEU:HD22	2:6v:200:LEU:HD12	1.95	0.48
2:7a:227:GLY:CA	2:6v:223:ARG:HH11	2.27	0.48
2:7b:119:SER:CA	2:6u:124:ASP:O	2.61	0.48
2:7c:193:LYS:HG2	2:8j:200:LEU:HA	1.93	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:279:ILE:HG21	2:9F:273:LEU:CD2	2.31	0.48
2:8g:38:ILE:HD13	2:8g:114:ARG:NH1	2.28	0.48
2:8h:239:THR:HG22	2:7i:247:LYS:CG	2.43	0.48
2:8h:254:SER:N	2:8l:267:ASN:OD1	2.46	0.48
2:8i:77:LEU:HD11	2:8i:98:ALA:HB2	1.95	0.48
2:9F:228:ALA:CA	2:9O:223:ARG:HG2	2.43	0.48
2:1k:270:ILE:CD1	2:3k:251:VAL:CG2	2.91	0.48
2:2g:183:PHE:HZ	2:3i:196:LEU:CD2	2.20	0.48
2:2g:212:GLY:HA3	2:3i:203:ASN:HB2	1.94	0.48
2:2g:280:SER:OG	2:4g:247:LYS:HE2	2.13	0.48
2:2i:184:LEU:CD2	2:3o:184:LEU:HD21	2.42	0.48
2:2i:231:PRO:CD	2:3o:229:GLY:HA3	2.44	0.48
2:3i:119:SER:HB3	2:4g:126:LYS:HG2	1.93	0.48
2:5g:38:ILE:HD13	2:5g:114:ARG:NH1	2.28	0.48
2:5g:149[B]:ILE:HG23	2:6k:158[B]:ILE:HG23	1.93	0.48
2:6i:119:SER:HB3	2:8o:126:LYS:CE	2.43	0.48
2:6i:145:ARG:CG	2:8o:148[A]:ILE:CG2	2.89	0.48
2:7h:234:LEU:HD21	2:8p:234:LEU:HD11	1.95	0.48
2:7h:247:LYS:HE3	2:8p:277:GLY:CA	2.44	0.48
2:7h:256:ALA:CB	2:8p:263:VAL:CG2	2.66	0.48
2:8k:125:ILE:HA	2:9G:120:ILE:HG13	1.95	0.48
2:8k:126:LYS:C	2:8k:126:LYS:CD	2.85	0.48
2:8n:99:VAL:HA	2:8r:28:ILE:HD12	1.95	0.48
2:1m:38:ILE:HD13	2:1m:114:ARG:NH1	2.28	0.48
2:1o:266:LEU:CD2	2:3o:266:LEU:H	1.75	0.48
2:1o:270:ILE:CD1	2:3o:251:VAL:CG2	2.91	0.48
2:2l:196:LEU:CB	2:3m:200:LEU:HD23	2.39	0.48
2:2l:280:SER:OG	2:4i:247:LYS:HE2	2.13	0.48
2:3m:236:ALA:CA	2:4i:242:LEU:HD13	2.43	0.48
2:3n:77:LEU:HD11	2:3n:98:ALA:HB2	1.95	0.48
2:6m:139:ASN:O	2:8u:130:ASP:HB2	2.13	0.48
2:6n:236:ALA:HB2	2:7p:242:LEU:HD11	1.95	0.48
2:6o:176:SER:HB3	2:7j:167:LYS:HD2	1.94	0.48
2:9H:163:THR:H	2:9H:166:ASN:ND2	2.09	0.48
2:1q:163:THR:H	2:1q:166:ASN:ND2	2.09	0.48
2:1s:270:ILE:CD1	2:3s:251:VAL:CG2	2.91	0.48
2:2o:214:PRO:CD	2:1x:225:MET:HG2	2.42	0.48
2:6r:61:ALA:HB1	2:7u:57:MET:HE3	1.94	0.48
2:7r:90:ASP:OD1	2:7r:90:ASP:C	2.56	0.48
2:8y:127:ASP:OD1	2:9M:122:VAL:HG23	2.14	0.48
2:8z:58:TYR:HB3	2:9N:2:MET:HE1	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9L:126:LYS:C	2:9L:126:LYS:CD	2.85	0.48
2:1u:77:LEU:HD11	2:1u:98:ALA:HB2	1.95	0.48
2:1u:163:THR:H	2:1u:166:ASN:ND2	2.09	0.48
2:1w:77:LEU:HD11	2:1w:98:ALA:HB2	1.95	0.48
2:1w:273:LEU:HD13	2:3w:273:LEU:CG	2.43	0.48
2:2u:280:SER:OG	2:3v:247:LYS:CE	2.60	0.48
2:3v:118:ILE:CD1	2:3v:118:ILE:N	2.73	0.48
2:6v:38:ILE:HD11	2:6v:114:ARG:CZ	2.35	0.48
2:6v:97:TYR:CZ	2:6v:111:VAL:CB	2.82	0.48
2:6x:141:PRO:HB2	2:7w:150:GLU:CD	2.39	0.48
2:7w:254:SER:CA	2:9R:267:ASN:OD1	2.61	0.48
2:9M:125:ILE:HA	2:9J:120:ILE:HG13	1.95	0.48
2:9M:232:TYR:HB2	2:9J:232:TYR:H	1.78	0.48
2:9M:259:VAL:HG11	2:9J:258:ASP:O	2.12	0.48
2:9N:110:LEU:C	2:9N:110:LEU:CD2	2.86	0.48
1:4F:447:GLN:HG2	2:4f:44:VAL:CG1	2.44	0.48
1:5B:252:ASP:OD1	1:5B:252:ASP:C	2.56	0.48
1:5B:426:PRO:O	1:5B:427:LYS:CB	2.61	0.48
1:7A:111:ASP:OD1	1:7A:111:ASP:C	2.56	0.48
1:8D:274:ASP:OD1	1:8D:274:ASP:C	2.57	0.48
1:8D:445:GLY:HA2	2:8i:45:LYS:N	2.28	0.48
1:8E:95:ARG:HB2	1:7H:151:THR:HG23	1.95	0.48
1:1H:252:ASP:O	1:1H:253:ALA:CB	2.61	0.48
1:2J:270:MET:C	1:2J:270:MET:SD	2.97	0.48
1:3H:355:SER:CB	1:3H:356:PRO:CD	2.90	0.48
1:4K:448:ALA:HB2	2:4g:60:LEU:HG	1.94	0.48
1:5G:202:GLU:O	1:5G:209:ALA:CB	2.54	0.48
1:5I:355:SER:O	1:5I:356:PRO:C	2.56	0.48
1:7H:26:ASN:CG	2:8h:52:LEU:CG	2.81	0.48
1:8K:95:ARG:HB2	1:7M:151:THR:HG23	1.95	0.48
1:1N:252:ASP:O	1:1N:253:ALA:CB	2.61	0.48
1:1P:36:VAL:N	1:1P:37:PRO:HD2	2.27	0.48
1:1R:354:VAL:HG21	1:1R:433:ALA:N	2.27	0.48
1:2O:377:ASN:OD1	1:2O:377:ASN:C	2.54	0.48
1:3Q:36:VAL:N	1:3Q:37:PRO:CD	2.76	0.48
1:3R:30:ASP:O	1:3R:31:ASN:HB2	2.14	0.48
1:5O:19:ASP:OD1	1:5O:19:ASP:C	2.55	0.48
1:5R:447:GLN:HE21	2:5j:44:VAL:HG12	1.75	0.48
1:6R:444:GLY:O	2:6m:44:VAL:HG21	2.12	0.48
1:8M:205:SER:OG	1:8M:206:SER:N	2.46	0.48
1:1S:442:ALA:HB3	2:1q:45:LYS:HE2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1V:27:SER:OG	1:1V:28:GLN:N	2.43	0.48
1:1V:36:VAL:N	1:1V:37:PRO:HD2	2.27	0.48
1:3T:36:VAL:N	1:3T:37:PRO:HD2	2.29	0.48
1:5S:204:THR:OG1	1:5S:205:SER:N	2.45	0.48
1:5T:296:ASP:OD1	1:5T:296:ASP:C	2.56	0.48
1:6X:447:GLN:O	1:6X:448:ALA:CB	2.61	0.48
1:7T:445:GLY:HA2	2:7r:45:LYS:HD2	1.95	0.48
1:8U:446:ALA:O	2:9L:55:VAL:HA	2.13	0.48
1:9D:397:THR:OG1	1:9D:399:ASP:OD1	2.29	0.48
1:1Z:252:ASP:O	1:1Z:253:ALA:CB	2.61	0.48
1:2V:447:GLN:O	1:2V:448:ALA:CB	2.62	0.48
1:2X:392:THR:HA	2:2t:46:ASP:OD2	2.14	0.48
1:2X:405:SER:O	2:2t:44:VAL:O	2.32	0.48
1:6Y:392:THR:OG1	2:6x:16:TYR:CD1	2.66	0.48
1:6Z:393:GLY:HA2	2:6w:107:LEU:HD12	1.96	0.48
1:7W:38:LEU:O	1:7W:39:ALA:CB	2.61	0.48
1:8Y:392:THR:CG2	2:9M:107:LEU:CD2	2.91	0.48
2:1g:158[B]:ILE:CG2	2:2x:149[B]:ILE:HG23	2.43	0.48
2:1h:242:LEU:C	2:2t:244:GLY:HA3	2.36	0.48
2:2a:202:SER:HB3	2:3f:193:LYS:HD3	1.94	0.48
2:2c:225:MET:CG	2:3l:222:LEU:HD13	2.37	0.48
2:3g:200:LEU:HD23	2:2x:196:LEU:CD1	2.42	0.48
2:6e:225:MET:SD	2:7g:209:LEU:HD12	2.54	0.48
2:6f:242:LEU:HD23	2:5h:245:VAL:CA	2.43	0.48
2:6g:180:VAL:HG13	2:7Z:184:LEU:HD23	1.96	0.48
2:6h:126:LYS:HG3	2:8j:119:SER:HB3	1.94	0.48
2:6h:141:PRO:HB2	2:7c:150:GLU:CD	2.39	0.48
2:8f:28:ILE:HD12	2:9P:99:VAL:HA	1.95	0.48
2:8g:263:VAL:CG2	2:8k:256:ALA:CA	2.91	0.48
2:9F:90:ASP:OD1	2:9F:90:ASP:C	2.56	0.48
2:9F:225:MET:HG3	2:9O:214:PRO:CD	2.42	0.48
2:1k:266:LEU:CD1	2:3k:265:ASP:C	2.86	0.48
2:2g:90:ASP:OD1	2:2g:90:ASP:C	2.57	0.48
2:2i:149[B]:ILE:HG23	2:1o:158[B]:ILE:CG2	2.43	0.48
2:2i:199:LEU:O	2:1o:188:THR:OG1	2.28	0.48
2:5g:120:ILE:HD12	2:6k:120:ILE:HD11	1.95	0.48
2:6i:158[B]:ILE:HA	2:8o:154:ALA:CB	2.41	0.48
2:6j:223:ARG:HH11	2:7k:227:GLY:HA3	1.78	0.48
2:6j:246:LYS:CD	2:7k:240:THR:C	2.86	0.48
2:6j:247:LYS:HB3	2:7k:239:THR:N	2.29	0.48
2:6k:132:GLY:HA3	2:7e:136:LEU:O	2.14	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6k:242:LEU:CB	2:7e:234:LEU:HG	2.40	0.48
2:7f:90:ASP:OD1	2:7f:90:ASP:C	2.56	0.48
2:7f:163:THR:H	2:7f:166:ASN:ND2	2.09	0.48
2:7i:239:THR:HA	2:8l:247:LYS:HD3	1.95	0.48
2:8k:173:LEU:O	2:9G:162:THR:HG21	2.12	0.48
2:8k:180:VAL:HG21	2:9G:183:PHE:O	2.14	0.48
2:8k:184:LEU:CD1	2:9G:184:LEU:HD22	2.35	0.48
2:8l:38:ILE:HD13	2:8l:114:ARG:NH1	2.28	0.48
2:8n:251:VAL:HG13	2:8r:279:ILE:CD1	2.42	0.48
2:1m:127:ASP:OD1	2:1t:122:VAL:HG23	2.13	0.48
2:2j:244:GLY:HA3	2:1t:242:LEU:C	2.36	0.48
2:2m:126:LYS:CG	2:3t:119:SER:HB3	2.43	0.48
2:2m:201:VAL:CA	2:3t:197:GLN:HE21	2.24	0.48
2:2m:206:VAL:HG21	2:3t:210:LEU:HA	1.94	0.48
2:2n:111:VAL:HG11	2:3s:41:TYR:OH	2.13	0.48
2:3m:73:VAL:CG1	2:4i:28:ILE:HB	2.43	0.48
2:6m:120:ILE:HD13	2:8u:120:ILE:CD1	2.43	0.48
2:6m:158[B]:ILE:HA	2:8u:154:ALA:CB	2.41	0.48
2:6m:163:THR:H	2:6m:166:ASN:ND2	2.09	0.48
2:6m:186:ALA:HB2	2:8u:180:VAL:CG2	2.43	0.48
2:6o:132:GLY:HA3	2:7j:136:LEU:O	2.14	0.48
2:6p:174:LEU:O	2:8v:167:LYS:HB3	2.13	0.48
2:7m:90:ASP:OD1	2:7m:90:ASP:C	2.56	0.48
2:7n:239:THR:HA	2:8r:247:LYS:HD3	1.95	0.48
2:8s:279:ILE:HD13	2:8w:251:VAL:CG1	2.39	0.48
2:8t:58:TYR:HB3	2:8x:2:MET:HE1	1.96	0.48
2:8t:242:LEU:HD13	2:7s:234:LEU:HG	1.95	0.48
2:8t:242:LEU:HD21	2:7s:244:GLY:O	2.12	0.48
2:1q:200:LEU:CD1	2:2o:200:LEU:HD13	2.24	0.48
2:1s:175:PHE:HE1	2:3s:184:LEU:HB3	1.75	0.48
2:2p:90:ASP:OD1	2:2p:90:ASP:C	2.57	0.48
2:2p:241:THR:C	2:3r:245:VAL:O	2.56	0.48
2:2q:244:GLY:HA2	2:3q:243:GLY:H	1.71	0.48
2:2r:201:VAL:HG21	2:3x:210:LEU:HD13	1.90	0.48
2:5k:77:LEU:HD11	2:5k:98:ALA:HB2	1.95	0.48
2:5k:118:ILE:HG22	2:5k:120:ILE:HG23	1.94	0.48
2:5k:163:THR:H	2:5k:166:ASN:ND2	2.09	0.48
2:5k:183:PHE:CD2	2:6s:183:PHE:CE2	3.02	0.48
2:6q:186:ALA:HB2	2:9K:180:VAL:CG2	2.43	0.48
2:6q:225:MET:SD	2:7v:209:LEU:HD12	2.53	0.48
2:6s:280:SER:CB	2:7o:248:GLY:O	2.60	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:219:LYS:HE3	2:9L:226:ILE:HA	1.94	0.48
2:8w:206:VAL:HG23	2:9I:212:GLY:CA	2.41	0.48
2:8y:131:THR:OG1	2:9M:140:THR:CA	2.60	0.48
2:8y:219:LYS:C	2:9J:226:ILE:O	2.52	0.48
2:9K:97:TYR:CZ	2:9K:111:VAL:CB	2.82	0.48
2:1w:266:LEU:HD13	2:3w:266:LEU:HB2	1.91	0.48
2:2u:59:PRO:HG3	2:3v:59:PRO:O	2.13	0.48
2:2u:200:LEU:HD23	2:3v:196:LEU:HB3	1.94	0.48
2:3u:231:PRO:CA	2:4m:229:GLY:HA3	2.43	0.48
2:3x:77:LEU:HD11	2:3x:98:ALA:HB2	1.95	0.48
2:5m:223:ARG:CD	2:7t:226:ILE:O	2.62	0.48
2:9M:125:ILE:CG1	2:9J:120:ILE:HD11	2.29	0.48
1:3B:283:ASP:OD2	1:3B:283:ASP:C	2.57	0.48
1:3F:30:ASP:O	1:3F:31:ASN:HB2	2.13	0.48
1:5F:156:TRP:O	1:5F:158:ASN:N	2.47	0.48
1:8A:331:SER:OG	1:8A:332:VAL:N	2.47	0.48
1:8B:208:GLY:O	1:8B:212:GLU:HG3	2.13	0.48
1:1G:446:ALA:N	2:1i:44:VAL:HG23	2.28	0.48
1:2I:335:PHE:O	1:2I:336:ALA:HB3	2.13	0.48
1:4L:439:PRO:O	1:4L:440:ASN:HB3	2.13	0.48
1:7J:447:GLN:HB2	2:7h:56:ASN:O	2.14	0.48
1:8L:397:THR:OG1	1:8L:399:ASP:OD1	2.32	0.48
1:8L:448:ALA:CB	2:8m:41:TYR:CE2	2.94	0.48
1:1O:19:ASP:O	1:1O:20:ILE:HB	2.14	0.48
1:1O:202:GLU:O	1:1O:209:ALA:HB1	2.13	0.48
1:2N:47:VAL:HG12	1:2N:47:VAL:O	2.14	0.48
1:2O:446:ALA:HB1	2:2n:19:LEU:HD12	1.94	0.48
1:3M:95:ARG:O	1:3M:96:THR:HB	2.13	0.48
1:5M:358:ILE:O	1:5M:358:ILE:HG23	2.13	0.48
1:5Q:135:ASN:N	1:5Q:135:ASN:OD1	2.43	0.48
1:5R:30:ASP:OD1	1:5R:30:ASP:C	2.56	0.48
1:5R:444:GLY:HA2	2:5j:45:LYS:H	1.79	0.48
1:6N:231:ARG:O	1:6N:231:ARG:HG3	2.14	0.48
1:7M:38:LEU:O	1:7M:39:ALA:CB	2.61	0.48
1:7N:397:THR:CG2	2:7j:107:LEU:HB2	2.41	0.48
1:9C:394:THR:CB	2:9H:16:TYR:HE1	2.25	0.48
1:1U:19:ASP:O	1:1U:20:ILE:HB	2.14	0.48
1:1W:36:VAL:N	1:1W:37:PRO:HD2	2.28	0.48
1:2R:28:GLN:HE22	2:4l:27:ILE:HD12	1.79	0.48
1:4X:443:SER:N	2:4l:56:ASN:HD21	2.10	0.48
1:7R:403:SER:O	2:7p:16:TYR:CZ	2.65	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1Z:275:PHE:CD2	1:1Z:275:PHE:N	2.82	0.48
1:1b:447:GLN:HE21	2:1x:60:LEU:HD11	1.75	0.48
1:3Z:36:VAL:N	1:3Z:37:PRO:HD2	2.28	0.48
1:5Z:211:THR:O	1:5Z:214:VAL:N	2.45	0.48
1:8d:444:GLY:H	2:9O:45:LYS:CE	2.27	0.48
2:2a:59:PRO:HG3	2:3f:59:PRO:O	2.13	0.48
2:2c:163:THR:H	2:2c:166:ASN:ND2	2.09	0.48
2:2d:210:LEU:HD21	2:3k:210:LEU:HD21	1.94	0.48
2:3e:259:VAL:CG2	2:4e:259:VAL:CG2	2.91	0.48
2:3h:119:SER:HB3	2:2w:126:LYS:CG	2.43	0.48
2:3h:210:LEU:HA	2:2w:206:VAL:HG21	1.94	0.48
2:4f:247:LYS:HE2	2:3l:239:THR:CG2	2.43	0.48
2:5e:148[B]:ILE:HD13	2:6g:148[B]:ILE:CD1	2.43	0.48
2:5f:245:VAL:CA	2:6v:242:LEU:HD23	2.43	0.48
2:6f:61:ALA:HB1	2:7f:57:MET:HE3	1.94	0.48
2:7a:240:THR:C	2:6v:246:LYS:CD	2.86	0.48
2:7c:90:ASP:OD1	2:7c:90:ASP:C	2.56	0.48
2:8e:122:VAL:HG23	2:9O:127:ASP:OD1	2.14	0.48
2:8e:150:GLU:OE1	2:9F:145:ARG:NH1	2.43	0.48
2:8g:127:ASP:OD1	2:8k:122:VAL:HG23	2.14	0.48
2:1k:77:LEU:HD11	2:1k:98:ALA:HB2	1.95	0.48
2:1k:273:LEU:HD13	2:3k:269:LEU:HD11	1.74	0.48
2:2f:241:THR:C	2:3j:245:VAL:O	2.56	0.48
2:2h:173:LEU:HB3	2:3p:157:LEU:HD12	1.95	0.48
2:4g:118:ILE:HG22	2:4g:120:ILE:HG23	1.94	0.48
2:7h:139:ASN:C	2:8p:131:THR:H	2.22	0.48
2:8m:77:LEU:HD11	2:8m:98:ALA:HB2	1.95	0.48
2:8m:157:LEU:CD1	2:9H:173:LEU:HB3	2.43	0.48
2:8n:126:LYS:C	2:8n:126:LYS:CD	2.86	0.48
2:8o:110:LEU:C	2:8o:110:LEU:CD2	2.86	0.48
2:2k:90:ASP:OD1	2:2k:90:ASP:C	2.57	0.48
2:2l:90:ASP:OD1	2:2l:90:ASP:C	2.57	0.48
2:2l:236:ALA:HB2	2:3m:242:LEU:HD11	1.94	0.48
2:2m:90:ASP:OD1	2:2m:90:ASP:C	2.56	0.48
2:2m:125:ILE:HG12	2:3t:120:ILE:HD11	1.96	0.48
2:3o:163:THR:H	2:3o:166:ASN:ND2	2.09	0.48
2:5i:120:ILE:HD12	2:6o:120:ILE:HD11	1.95	0.48
2:5i:183:PHE:CD2	2:6o:183:PHE:CE2	3.02	0.48
2:6m:119:SER:HB3	2:8u:126:LYS:CE	2.43	0.48
2:6p:77:LEU:HD11	2:6p:98:ALA:HB2	1.95	0.48
2:6p:110:LEU:C	2:6p:110:LEU:CD2	2.86	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7m:139:ASN:C	2:8v:131:THR:H	2.22	0.48
2:9H:90:ASP:OD1	2:9H:90:ASP:C	2.57	0.48
2:1q:38:ILE:HD13	2:1q:114:ARG:NH1	2.28	0.48
2:1q:77:LEU:HD11	2:1q:98:ALA:HB2	1.95	0.48
2:1s:229:GLY:HA3	2:3s:231:PRO:N	2.29	0.48
2:2p:242:LEU:C	2:3r:244:GLY:CA	2.82	0.48
2:2q:222:LEU:HD13	2:3q:226:ILE:HG21	1.89	0.48
2:2s:247:LYS:HE2	2:3w:280:SER:HA	1.96	0.48
2:3t:110:LEU:C	2:3t:110:LEU:CD2	2.86	0.48
2:6q:124:ASP:O	2:7v:119:SER:CA	2.61	0.48
2:6q:139:ASN:O	2:9K:130:ASP:HB2	2.13	0.48
2:6r:223:ARG:HH11	2:7u:227:GLY:CA	2.26	0.48
2:6r:280:SER:OG	2:5n:247:LYS:HG2	2.13	0.48
2:6s:222:LEU:HD23	2:7o:209:LEU:HD11	1.94	0.48
2:6t:77:LEU:HD11	2:6t:98:ALA:HB2	1.95	0.48
2:7p:163:THR:H	2:7p:166:ASN:ND2	2.09	0.48
2:7r:139:ASN:C	2:9L:131:THR:H	2.22	0.48
2:7r:269:LEU:HD21	2:9L:269:LEU:CG	2.26	0.48
2:7s:90:ASP:OD1	2:7s:90:ASP:C	2.57	0.48
2:8w:232:TYR:HB2	2:9I:232:TYR:H	1.78	0.48
2:8x:38:ILE:HD13	2:8x:114:ARG:NH1	2.28	0.48
2:8y:212:GLY:HA2	2:9J:203:ASN:CG	2.33	0.48
2:8z:163:THR:H	2:8z:166:ASN:ND2	2.09	0.48
2:9K:77:LEU:HD11	2:9K:98:ALA:HB2	1.95	0.48
2:9K:245:VAL:O	2:7v:242:LEU:HD22	2.10	0.48
2:1w:240:THR:O	2:3w:246:LYS:NZ	2.46	0.48
2:2u:203:ASN:HB2	2:3v:212:GLY:HA3	1.96	0.48
2:3u:259:VAL:CG2	2:4m:259:VAL:CG2	2.91	0.48
2:5m:110:LEU:C	2:5m:110:LEU:CD2	2.86	0.48
2:5m:273:LEU:HD12	2:6w:269:LEU:CD1	2.29	0.48
2:6w:132:GLY:HA3	2:7t:136:LEU:O	2.14	0.48
2:7w:247:LYS:N	2:9R:237:ALA:CB	2.75	0.48
2:7w:250:ALA:HB1	2:9R:281:LEU:O	2.14	0.48
2:9N:77:LEU:HD11	2:9N:98:ALA:HB2	1.95	0.48
1:1A:94:GLY:HA2	1:1L:151:THR:HA	1.96	0.48
1:6C:400:GLY:O	1:6C:401:LEU:HB2	2.13	0.48
1:7A:205:SER:OG	1:7A:206:SER:N	2.46	0.48
1:7D:377:ASN:OD1	1:7D:377:ASN:C	2.57	0.48
1:8B:391:SER:OG	1:8B:392:THR:N	2.42	0.48
1:1G:447:GLN:N	2:1i:42:VAL:O	2.46	0.48
1:2H:397:THR:HA	2:2f:107:LEU:HB2	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3G:95:ARG:O	1:3G:96:THR:HB	2.13	0.48
1:3J:443:SER:HA	2:3k:56:ASN:HD21	0.48	0.48
1:5K:135:ASN:N	1:5K:135:ASN:OD1	2.43	0.48
1:7F:93:LEU:C	1:7F:93:LEU:CD1	2.87	0.48
1:7F:111:ASP:OD1	1:7F:111:ASP:C	2.56	0.48
1:8G:30:ASP:OD1	1:8G:30:ASP:C	2.57	0.48
1:8H:201:ASP:O	1:8H:209:ALA:HB1	2.14	0.48
1:2M:448:ALA:HB2	2:2k:41:TYR:HA	1.96	0.48
1:4Q:286:ALA:O	1:4Q:287:SER:CB	2.62	0.48
1:5N:252:ASP:O	1:5N:255:LEU:N	2.47	0.48
1:5N:252:ASP:OD1	1:5N:252:ASP:C	2.56	0.48
1:8M:447:GLN:CG	2:8q:44:VAL:HG12	2.37	0.48
1:8R:397:THR:OG1	1:8R:399:ASP:OD1	2.32	0.48
1:1S:446:ALA:CA	2:1q:43:ALA:HA	2.43	0.48
1:1U:202:GLU:O	1:1U:209:ALA:HB1	2.13	0.48
1:1U:447:GLN:CG	2:1s:60:LEU:CD1	2.91	0.48
1:2R:355:SER:O	1:2R:356:PRO:C	2.56	0.48
1:3S:306:LEU:C	1:3S:306:LEU:HD23	2.38	0.48
1:5U:355:SER:O	1:5U:356:PRO:C	2.56	0.48
1:7S:377:ASN:OD1	1:7S:377:ASN:C	2.57	0.48
1:8T:200:ILE:O	1:8T:201:ASP:OD1	2.31	0.48
1:1b:27:SER:OG	1:1b:28:GLN:N	2.43	0.48
1:3c:36:VAL:N	1:3c:37:PRO:CD	2.76	0.48
1:3c:397:THR:OG1	1:3c:399:ASP:OD1	2.30	0.48
1:5Y:202:GLU:O	1:5Y:209:ALA:CB	2.54	0.48
1:5Z:252:ASP:O	1:5Z:255:LEU:N	2.47	0.48
1:5Z:252:ASP:OD1	1:5Z:252:ASP:C	2.56	0.48
1:6d:228:GLN:OE1	1:6d:228:GLN:N	2.32	0.48
1:8Z:200:ILE:O	1:8Z:201:ASP:OD1	2.31	0.48
1:8Z:208:GLY:O	1:8Z:212:GLU:HG3	2.13	0.48
1:8b:274:ASP:OD1	1:8b:274:ASP:C	2.57	0.48
2:1g:280:SER:CB	2:3g:249:ALA:C	2.83	0.48
2:2a:241:THR:C	2:3f:245:VAL:O	2.56	0.48
2:2a:242:LEU:C	2:3f:244:GLY:CA	2.82	0.48
2:2b:280:SER:OG	2:4e:247:LYS:HE2	2.13	0.48
2:2c:125:ILE:HG12	2:3l:120:ILE:HD11	1.96	0.48
2:2d:90:ASP:C	2:2d:90:ASP:OD1	2.57	0.48
2:3g:41:TYR:OH	2:2x:111:VAL:HG11	2.13	0.48
2:3g:184:LEU:HD21	2:2x:184:LEU:CD2	2.42	0.48
2:3h:77:LEU:HD11	2:3h:98:ALA:HB2	1.95	0.48
2:5e:229:GLY:HA2	2:6g:231:PRO:HG3	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:173:LEU:CB	2:7Z:157:LEU:HD12	2.43	0.48
2:7a:239:THR:N	2:6v:247:LYS:HB3	2.29	0.48
2:7b:90:ASP:OD1	2:7b:90:ASP:C	2.56	0.48
2:7b:120:ILE:HD12	2:9Q:120:ILE:HD11	1.74	0.48
2:7b:209:LEU:HD12	2:6u:225:MET:SD	2.54	0.48
2:7c:250:ALA:CA	2:8j:280:SER:C	2.72	0.48
2:8e:200:LEU:N	2:9F:193:LYS:HG2	2.25	0.48
2:8e:247:LYS:CE	2:9O:277:GLY:O	2.29	0.48
2:9F:57:MET:HE2	2:9O:111:VAL:CG2	2.33	0.48
2:9F:199:LEU:CB	2:9O:183:PHE:CD1	2.95	0.48
2:1i:97:TYR:CZ	2:1i:111:VAL:CB	2.82	0.48
2:2e:90:ASP:OD1	2:2e:90:ASP:C	2.57	0.48
2:2e:184:LEU:HD23	2:1p:180:VAL:CG1	2.43	0.48
2:2h:225:MET:HG3	2:3p:214:PRO:CG	2.05	0.48
2:2h:225:MET:CG	2:3p:222:LEU:HD13	2.37	0.48
2:2i:210:LEU:HD21	2:3o:210:LEU:HD21	1.94	0.48
2:6i:57:MET:CB	2:7l:61:ALA:HB1	2.38	0.48
2:6j:120:ILE:HD13	2:7k:120:ILE:HG21	1.95	0.48
2:6l:141:PRO:HB2	2:7h:150:GLU:CD	2.39	0.48
2:8l:163:THR:H	2:8l:166:ASN:ND2	2.09	0.48
2:8n:227:GLY:O	2:7n:223:ARG:HD2	2.12	0.48
2:9G:90:ASP:C	2:9G:90:ASP:OD1	2.56	0.48
2:1m:239:THR:HA	2:1t:247:LYS:O	2.12	0.48
2:1o:118:ILE:HG22	2:1o:120:ILE:HG23	1.94	0.48
2:2k:203:ASN:HB2	2:3n:212:GLY:HA3	1.96	0.48
2:2n:149[B]:ILE:HG23	2:1s:158[B]:ILE:CG2	2.43	0.48
2:2n:247:LYS:HE2	2:3s:280:SER:HA	1.96	0.48
2:4i:38:ILE:HD13	2:4i:114:ARG:NH1	2.28	0.48
2:5i:148[B]:ILE:HD13	2:6o:148[B]:ILE:CD1	2.43	0.48
2:6m:225:MET:SD	2:7q:209:LEU:HD12	2.54	0.48
2:6n:38:ILE:HD13	2:6n:114:ARG:NH1	2.28	0.48
2:6n:110:LEU:C	2:6n:110:LEU:CD2	2.86	0.48
2:6n:223:ARG:HH11	2:7p:227:GLY:CA	2.26	0.48
2:6n:246:LYS:CD	2:7p:240:THR:C	2.86	0.48
2:8s:77:LEU:HD11	2:8s:98:ALA:HB2	1.95	0.48
2:8s:183:PHE:CE1	2:9I:199:LEU:HB2	2.49	0.48
2:8s:247:LYS:HB3	2:9I:239:THR:H	1.76	0.48
2:8t:239:THR:HG22	2:7s:247:LYS:CG	2.43	0.48
2:1r:200:LEU:HD13	2:3r:200:LEU:HD22	1.78	0.48
2:1s:240:THR:O	2:3s:246:LYS:NZ	2.47	0.48
2:2p:202:SER:HB3	2:3r:193:LYS:HD3	1.94	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:226:ILE:C	2:3r:223:ARG:HH11	2.22	0.48
2:2q:236:ALA:HB2	2:3q:242:LEU:HD11	1.95	0.48
2:2s:231:PRO:CD	2:3w:229:GLY:HA3	2.43	0.48
2:6t:279:ILE:HG22	2:9L:248:GLY:HA3	1.96	0.48
2:7o:90:ASP:OD1	2:7o:90:ASP:C	2.56	0.48
2:7r:111:VAL:HG11	2:9L:57:MET:HE2	1.93	0.48
2:1u:97:TYR:CZ	2:1u:111:VAL:CB	2.81	0.48
2:3v:38:ILE:HD13	2:3v:114:ARG:NH1	2.28	0.48
2:5m:77:LEU:HD11	2:5m:98:ALA:HB2	1.95	0.48
2:6u:254:SER:OG	2:9Q:263:VAL:HG13	2.13	0.48
2:6x:148[B]:ILE:HD12	2:9R:148[B]:ILE:HD11	1.96	0.48
2:7w:90:ASP:OD1	2:7w:90:ASP:C	2.56	0.48
2:7w:158[A]:ILE:CD1	2:9R:158[A]:ILE:HD11	2.44	0.48
2:7w:247:LYS:HE3	2:9R:277:GLY:CA	2.44	0.48
2:9M:154:ALA:HB1	2:9J:158[A]:ILE:HA	1.93	0.48
2:9Q:38:ILE:HD13	2:9Q:114:ARG:NH1	2.28	0.48
2:9Q:77:LEU:HD11	2:9Q:98:ALA:HB2	1.95	0.48
2:9Q:118:ILE:HG22	2:9Q:120:ILE:HG23	1.94	0.48
2:9J:90:ASP:OD1	2:9J:90:ASP:C	2.56	0.48
1:1F:25:ARG:O	1:1F:26:ASN:HB2	2.14	0.48
1:4F:408:GLU:HA	1:4F:408:GLU:OE1	2.14	0.48
1:5C:405:SER:OG	1:5C:406:GLY:N	2.47	0.48
1:5F:252:ASP:O	1:5F:253:ALA:HB3	2.14	0.48
1:6A:447:GLN:HB2	2:6h:56:ASN:HD22	1.79	0.48
1:7C:443:SER:C	2:7a:45:LYS:HZ2	2.12	0.48
1:1G:94:GLY:HA2	1:1R:151:THR:HA	1.96	0.48
1:3L:30:ASP:O	1:3L:31:ASN:HB2	2.14	0.48
1:4L:36:VAL:N	1:4L:37:PRO:HD2	2.28	0.48
1:5K:447:GLN:HG2	2:5g:56:ASN:HD22	1.77	0.48
1:5L:111:ASP:OD1	1:5L:111:ASP:C	2.57	0.48
1:6G:447:GLN:OE1	2:6l:56:ASN:HB2	2.14	0.48
1:6I:394:THR:O	1:6I:395:ALA:HB3	2.14	0.48
1:8G:331:SER:OG	1:8G:332:VAL:N	2.47	0.48
1:8K:245:GLU:H	1:8K:245:GLU:CD	2.17	0.48
1:2L:448:ALA:HB1	2:2l:63:TRP:HZ2	1.79	0.48
1:2N:335:PHE:O	1:2N:336:ALA:HB3	2.13	0.48
1:4Q:199:LYS:HG2	1:4Q:202:GLU:CG	2.39	0.48
1:4Q:355:SER:HB3	1:4Q:356:PRO:HD3	1.95	0.48
1:7K:445:GLY:H	2:7n:45:LYS:CD	2.22	0.48
1:7L:314:ASN:OD1	1:7L:314:ASN:C	2.57	0.48
1:2Q:30:ASP:OD1	1:2Q:30:ASP:N	2.45	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2S:91:ILE:O	1:2S:91:ILE:HG22	2.13	0.48
1:2S:447:GLN:O	1:2S:448:ALA:CB	2.62	0.48
1:3X:30:ASP:O	1:3X:31:ASN:HB2	2.14	0.48
1:4X:439:PRO:O	1:4X:440:ASN:HB3	2.13	0.48
1:5X:265:ALA:O	1:5X:266:LYS:HB2	2.14	0.48
1:7Q:447:GLN:HB2	2:7q:42:VAL:HG13	1.95	0.48
1:8S:54:ASN:OD1	1:8S:54:ASN:C	2.57	0.48
1:8S:137:GLN:O	1:8S:137:GLN:CG	2.62	0.48
1:8T:201:ASP:O	1:8T:209:ALA:HB1	2.14	0.48
1:1Y:448:ALA:CB	2:1u:63:TRP:HE1	2.26	0.48
1:1b:404:VAL:O	1:1b:405:SER:CB	2.61	0.48
1:1d:354:VAL:HG21	1:1d:433:ALA:N	2.27	0.48
1:3a:447:GLN:HE22	2:3x:56:ASN:HD22	0.58	0.48
1:3c:443:SER:HB3	2:3v:45:LYS:NZ	2.28	0.48
1:3d:448:ALA:HA	2:3u:41:TYR:CD1	2.49	0.48
1:5a:405:SER:OG	1:5a:406:GLY:N	2.47	0.48
1:5b:205:SER:OG	1:5b:206:SER:N	2.46	0.48
1:5d:156:TRP:O	1:5d:158:ASN:N	2.47	0.48
1:6d:355:SER:HB3	1:6d:356:PRO:CD	2.44	0.48
1:8Y:54:ASN:OD1	1:8Y:54:ASN:C	2.57	0.48
1:8d:437:ILE:O	1:8d:438:ARG:HB2	2.13	0.48
2:1e:234:LEU:CD2	2:2Z:242:LEU:O	2.62	0.48
2:1e:239:THR:HA	2:1l:247:LYS:O	2.12	0.48
2:1h:240:THR:C	2:2t:246:LYS:CE	2.79	0.48
2:2d:111:VAL:HG11	2:3k:41:TYR:OH	2.13	0.48
2:2d:232:TYR:CD2	2:3k:232:TYR:CE1	2.85	0.48
2:3g:280:SER:HA	2:2x:247:LYS:HE2	1.96	0.48
2:3h:2:MET:CE	2:4n:58:TYR:CB	2.77	0.48
2:3h:120:ILE:HD11	2:2w:125:ILE:HG12	1.96	0.48
2:3h:200:LEU:HD22	2:2w:200:LEU:CD1	2.37	0.48
2:4e:77:LEU:HD11	2:4e:98:ALA:HB2	1.95	0.48
2:6f:246:LYS:CD	2:7f:240:THR:C	2.86	0.48
2:6h:269:LEU:HD22	2:7c:270:ILE:HG13	1.96	0.48
2:7b:148[B]:ILE:HD13	2:6u:148[B]:ILE:CD1	2.42	0.48
2:7c:158[A]:ILE:CD1	2:8j:158[A]:ILE:HD11	2.44	0.48
2:8f:279:ILE:CD1	2:9P:251:VAL:HG13	2.42	0.48
2:8g:148[A]:ILE:HG23	2:8k:145:ARG:HG3	1.95	0.48
2:8g:223:ARG:HG2	2:9G:228:ALA:CA	2.43	0.48
2:8g:247:LYS:CG	2:9G:239:THR:CG2	2.68	0.48
2:1i:234:LEU:CD2	2:2e:242:LEU:O	2.62	0.48
2:2e:223:ARG:HG2	2:1p:228:ALA:CB	2.33	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2f:90:ASP:OD1	2:2f:90:ASP:C	2.56	0.48
2:2g:184:LEU:HD23	2:3i:180:VAL:HG13	1.94	0.48
2:2i:262:ALA:HB1	2:3o:263:VAL:HG23	1.94	0.48
2:4g:110:LEU:N	2:4g:110:LEU:CD1	2.74	0.48
2:5g:77:LEU:HD11	2:5g:98:ALA:HB2	1.95	0.48
2:6i:225:MET:SD	2:7l:209:LEU:HD12	2.53	0.48
2:6j:226:ILE:HD11	2:5j:226:ILE:HD11	1.94	0.48
2:6k:209:LEU:CD2	2:7e:209:LEU:HD21	2.43	0.48
2:7e:163:THR:H	2:7e:166:ASN:ND2	2.09	0.48
2:8m:57:MET:HB3	2:8q:61:ALA:HB3	1.95	0.48
2:8m:263:VAL:CG2	2:8q:256:ALA:CA	2.91	0.48
2:8n:58:TYR:HB3	2:8r:2:MET:HE1	1.96	0.48
2:2l:200:LEU:HD22	2:4i:200:LEU:HD12	1.93	0.48
2:2m:242:LEU:CD1	2:3t:243:GLY:HA3	2.44	0.48
2:2n:90:ASP:OD1	2:2n:90:ASP:C	2.57	0.48
2:2n:273:LEU:HD21	2:3s:279:ILE:HG23	1.91	0.48
2:5i:118:ILE:CD1	2:7j:118:ILE:HD11	2.44	0.48
2:5i:234:LEU:CD1	2:6o:234:LEU:CD2	2.90	0.48
2:5i:278:ILE:O	2:6o:248:GLY:CA	2.57	0.48
2:6m:126:LYS:HB2	2:7q:119:SER:HB3	1.95	0.48
2:6o:209:LEU:CD2	2:7j:209:LEU:HD21	2.43	0.48
2:6p:278:ILE:O	2:8v:248:GLY:N	2.38	0.48
2:7m:111:VAL:HG11	2:8v:57:MET:HE2	1.93	0.48
2:1s:77:LEU:HD11	2:1s:98:ALA:HB2	1.95	0.48
2:2q:206:VAL:HG11	2:4k:210:LEU:HD23	1.96	0.48
2:2r:163:THR:H	2:2r:166:ASN:ND2	2.09	0.48
2:5k:270:ILE:HG12	2:6s:251:VAL:CG2	2.43	0.48
2:6q:254:SER:OG	2:9K:263:VAL:HG13	2.13	0.48
2:6q:256:ALA:H	2:9K:263:VAL:HG22	1.77	0.48
2:6r:247:LYS:HB3	2:7u:239:THR:N	2.29	0.48
2:8y:223:ARG:HG2	2:9J:228:ALA:CA	2.43	0.48
2:1w:118:ILE:HG22	2:1w:120:ILE:HG23	1.94	0.48
2:1w:229:GLY:HA3	2:3w:231:PRO:N	2.29	0.48
2:2u:202:SER:HB3	2:3v:193:LYS:HD3	1.94	0.48
2:2x:90:ASP:OD1	2:2x:90:ASP:C	2.57	0.48
2:3x:163:THR:H	2:3x:166:ASN:ND2	2.09	0.48
2:6u:139:ASN:O	2:9Q:130:ASP:HB2	2.13	0.48
2:6w:180:VAL:HG13	2:7t:184:LEU:HD23	1.96	0.48
2:9R:126:LYS:C	2:9R:126:LYS:CD	2.85	0.48
1:1D:145:GLN:HG2	1:1D:319:TYR:HB3	1.95	0.48
1:2D:91:ILE:HG22	1:2D:91:ILE:O	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2D:355:SER:HB3	1:2D:356:PRO:CD	2.44	0.48
1:3A:408:GLU:OE1	1:3A:408:GLU:N	2.33	0.48
1:3B:355:SER:HB3	1:3B:356:PRO:HD3	1.95	0.48
1:4E:199:LYS:CG	1:4E:202:GLU:CG	2.92	0.48
1:6C:394:THR:O	1:6C:395:ALA:HB3	2.14	0.48
1:7C:67:ASP:O	1:7C:68:ARG:HB2	2.12	0.48
1:3J:63:THR:O	1:3J:63:THR:CG2	2.60	0.48
1:3L:448:ALA:CB	2:3i:57:MET:SD	2.90	0.48
1:5H:252:ASP:OD1	1:5H:252:ASP:C	2.56	0.48
1:5L:252:ASP:O	1:5L:253:ALA:HB3	2.14	0.48
1:6L:355:SER:CB	1:6L:356:PRO:CD	2.92	0.48
1:6L:447:GLN:O	1:6L:448:ALA:CB	2.61	0.48
1:7F:448:ALA:C	2:7i:58:TYR:O	2.57	0.48
1:8H:391:SER:OG	1:8H:392:THR:N	2.42	0.48
1:1O:355:SER:HB3	1:1O:356:PRO:HD3	1.95	0.48
1:1O:445:GLY:HA3	2:1o:54:GLN:O	2.13	0.48
1:1Q:212:GLU:OE2	1:1R:374:ARG:CD	2.57	0.48
1:2L:19:ASP:OD1	1:2L:19:ASP:C	2.57	0.48
1:2M:53:ILE:O	1:2M:54:ASN:HB2	2.13	0.48
1:4R:314:ASN:OD1	1:4R:314:ASN:C	2.55	0.48
1:4R:408:GLU:HA	1:4R:408:GLU:OE1	2.14	0.48
1:5M:438:ARG:O	1:5M:438:ARG:CG	2.60	0.48
1:7K:26:ASN:OD1	2:6o:52:LEU:CG	2.62	0.48
1:8N:202:GLU:C	1:8N:204:THR:N	2.71	0.48
1:1T:448:ALA:HB2	2:1r:41:TYR:HD1	1.46	0.48
1:3T:283:ASP:OD2	1:3T:283:ASP:C	2.57	0.48
1:4V:8:VAL:O	1:4V:8:VAL:HG12	2.13	0.48
1:5T:426:PRO:O	1:5T:427:LYS:CB	2.61	0.48
1:5X:252:ASP:O	1:5X:253:ALA:CB	2.62	0.48
1:6S:378:ALA:O	1:6S:379:LYS:HB2	2.14	0.48
1:6U:394:THR:O	1:6U:395:ALA:HB3	2.14	0.48
1:8U:252:ASP:O	1:8U:253:ALA:HB3	2.14	0.48
1:8V:274:ASP:OD1	1:8V:274:ASP:C	2.57	0.48
1:8W:36:VAL:N	1:8W:37:PRO:HD2	2.29	0.48
1:8W:448:ALA:HB2	2:8z:41:TYR:CD1	2.49	0.48
1:9D:110:TYR:O	1:9D:110:TYR:CG	2.63	0.48
1:2X:245:GLU:OE1	1:2X:245:GLU:N	2.27	0.48
1:3Y:381:HIS:O	1:3Y:382:LYS:CB	2.61	0.48
1:4c:355:SER:HB3	1:4c:356:PRO:HD3	1.95	0.48
1:6c:245:GLU:H	1:6c:245:GLU:CD	2.13	0.48
1:7U:111:ASP:OD1	1:7U:111:ASP:C	2.56	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8Y:448:ALA:CB	2:9M:57:MET:HE1	2.27	0.48
2:1e:120:ILE:HD13	2:2Z:120:ILE:HD13	1.86	0.48
2:1e:127:ASP:OD1	2:1l:122:VAL:HG23	2.13	0.48
2:1g:259:VAL:HG22	2:3g:259:VAL:HA	1.85	0.48
2:1h:226:ILE:HD12	2:2t:222:LEU:C	2.38	0.48
2:2a:203:ASN:ND2	2:3f:212:GLY:HA3	2.05	0.48
2:2b:206:VAL:HG11	2:4e:210:LEU:HD23	1.96	0.48
2:2b:223:ARG:HH12	2:3e:227:GLY:HA3	1.69	0.48
2:2b:236:ALA:HB2	2:3e:242:LEU:HD11	1.94	0.48
2:2c:173:LEU:HB3	2:3l:157:LEU:HD11	1.96	0.48
2:3g:263:VAL:HG23	2:2x:262:ALA:HB1	1.94	0.48
2:4e:110:LEU:C	2:4e:110:LEU:CD2	2.86	0.48
2:6f:110:LEU:C	2:6f:110:LEU:CD2	2.86	0.48
2:7Z:90:ASP:OD1	2:7Z:90:ASP:C	2.56	0.48
2:7c:136:LEU:HD13	2:8j:136:LEU:HD22	1.96	0.48
2:7c:193:LYS:HD3	2:8j:200:LEU:O	2.14	0.48
2:7d:234:LEU:HG	2:9P:242:LEU:HD13	1.95	0.48
2:8e:238:THR:C	2:9F:246:LYS:HD3	2.31	0.48
2:8g:3:VAL:CG1	2:8k:62:ALA:HB3	2.43	0.48
2:1i:38:ILE:HD13	2:1i:114:ARG:NH1	2.28	0.48
2:1i:77:LEU:HD11	2:1i:98:ALA:HB2	1.95	0.48
2:2h:125:ILE:HG12	2:3p:120:ILE:HD11	1.96	0.48
2:2h:242:LEU:CD1	2:3p:243:GLY:HA3	2.44	0.48
2:2i:247:LYS:HE2	2:3o:280:SER:HA	1.96	0.48
2:5g:245:VAL:CG1	2:6k:245:VAL:HG23	2.44	0.48
2:6k:163:THR:H	2:6k:166:ASN:ND2	2.09	0.48
2:7h:61:ALA:HB2	2:8p:59:PRO:HD3	1.96	0.48
2:7h:193:LYS:HD3	2:8p:200:LEU:O	2.14	0.48
2:8k:125:ILE:CG1	2:9G:120:ILE:HD11	2.29	0.48
2:8m:38:ILE:HD13	2:8m:114:ARG:NH1	2.28	0.48
2:8m:263:VAL:CG2	2:8q:256:ALA:HB3	2.44	0.48
2:1m:225:MET:SD	2:1t:209:LEU:HD12	2.54	0.48
2:1m:234:LEU:CD2	2:2j:242:LEU:O	2.62	0.48
2:1o:130:ASP:H	2:3o:139:ASN:HA	1.77	0.48
2:1o:273:LEU:HD13	2:3o:273:LEU:HD11	1.89	0.48
2:2j:246:LYS:CE	2:1t:240:THR:C	2.79	0.48
2:5i:270:ILE:HG23	2:6o:251:VAL:CG2	2.36	0.48
2:6n:280:SER:OG	2:5l:247:LYS:HG2	2.13	0.48
2:7l:90:ASP:OD1	2:7l:90:ASP:C	2.56	0.48
2:1q:225:MET:SD	2:1x:209:LEU:HD12	2.54	0.48
2:1s:38:ILE:HD13	2:1s:114:ARG:NH1	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2o:196:LEU:CB	2:1x:200:LEU:HD23	2.42	0.48
2:2r:125:ILE:HG12	2:3x:120:ILE:HD11	1.96	0.48
2:4l:247:LYS:CE	2:3x:239:THR:HG22	2.43	0.48
2:9I:90:ASP:OD1	2:9I:90:ASP:C	2.56	0.48
2:2u:242:LEU:C	2:3v:244:GLY:CA	2.82	0.48
2:2v:280:SER:OG	2:4m:247:LYS:HE2	2.13	0.48
2:4n:126:LYS:C	2:4n:126:LYS:CD	2.85	0.48
2:6u:163:THR:H	2:6u:166:ASN:ND2	2.09	0.48
2:6v:163:THR:H	2:6v:166:ASN:ND2	2.09	0.48
2:6w:200:LEU:CD2	2:7t:200:LEU:HD11	2.44	0.48
1:1C:19:ASP:O	1:1C:20:ILE:HB	2.14	0.48
1:1D:440:ASN:OD1	1:1D:440:ASN:C	2.54	0.48
1:5B:252:ASP:O	1:5B:255:LEU:N	2.47	0.48
1:8A:24:ILE:O	1:8A:24:ILE:CG2	2.50	0.48
1:9A:397:THR:OG1	1:9A:399:ASP:OD1	2.29	0.48
1:1H:252:ASP:O	1:1H:253:ALA:HB3	2.13	0.48
1:2H:53:ILE:O	1:2H:54:ASN:HB2	2.13	0.48
1:2I:355:SER:HB3	1:2I:356:PRO:CD	2.44	0.48
1:2I:447:GLN:O	1:2I:448:ALA:CB	2.62	0.48
1:3H:41:ALA:O	1:3H:42:ASN:HB2	2.14	0.48
1:1P:145:GLN:HG2	1:1P:319:TYR:HB3	1.95	0.48
1:2L:447:GLN:O	1:2L:448:ALA:CB	2.61	0.48
1:4N:118:LYS:O	1:4N:120:PHE:N	2.46	0.48
1:5P:19:ASP:OD1	1:5P:19:ASP:C	2.54	0.48
1:5R:156:TRP:O	1:5R:158:ASN:N	2.47	0.48
1:6R:355:SER:CB	1:6R:356:PRO:CD	2.92	0.48
1:8M:137:GLN:O	1:8M:137:GLN:CG	2.62	0.48
1:8N:201:ASP:O	1:8N:209:ALA:HB1	2.14	0.48
1:1X:25:ARG:O	1:1X:26:ASN:HB2	2.14	0.48
1:3T:355:SER:HB3	1:3T:356:PRO:HD3	1.95	0.48
1:4W:286:ALA:O	1:4W:287:SER:CB	2.62	0.48
1:5U:405:SER:OG	1:5U:406:GLY:N	2.47	0.48
1:5V:19:ASP:OD1	1:5V:19:ASP:C	2.54	0.48
1:5V:36:VAL:N	1:5V:37:PRO:HD2	2.29	0.48
1:5X:252:ASP:O	1:5X:253:ALA:HB3	2.14	0.48
1:5X:422:THR:HG21	1:5X:427:LYS:CD	2.44	0.48
1:6X:355:SER:CB	1:6X:356:PRO:CD	2.92	0.48
1:7Q:28:GLN:OE1	2:9L:27:ILE:HD11	2.14	0.48
1:8W:95:ARG:HB2	1:7W:151:THR:HG23	1.96	0.48
1:2X:447:GLN:O	1:2X:448:ALA:CB	2.62	0.48
1:4Z:118:LYS:O	1:4Z:120:PHE:N	2.46	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4Z:206:SER:O	1:4Z:207:THR:C	2.55	0.48
1:5b:228:GLN:OE1	1:5b:228:GLN:N	2.26	0.48
1:5d:252:ASP:O	1:5d:253:ALA:HB3	2.14	0.48
1:6Z:245:GLU:OE1	1:6Z:245:GLU:N	2.38	0.48
1:6c:110:TYR:HB3	1:6d:137:GLN:HG2	1.96	0.48
1:7X:314:ASN:OD1	1:7X:314:ASN:C	2.56	0.48
1:8a:252:ASP:OD1	1:8a:252:ASP:C	2.53	0.48
1:8d:397:THR:OG1	1:8d:399:ASP:OD1	2.32	0.48
2:2Z:90:ASP:OD1	2:2Z:90:ASP:C	2.57	0.48
2:2Z:247:LYS:HE2	2:1l:280:SER:OG	2.14	0.48
2:2b:184:LEU:HD23	2:3e:180:VAL:HG13	1.94	0.48
2:2c:203:ASN:N	2:3l:210:LEU:O	2.45	0.48
2:3h:210:LEU:HD13	2:2w:201:VAL:HG21	1.91	0.48
2:3h:239:THR:CG2	2:4n:247:LYS:HE2	2.43	0.48
2:5e:223:ARG:CD	2:7Z:226:ILE:O	2.62	0.48
2:6g:163:THR:H	2:6g:166:ASN:ND2	2.09	0.48
2:7a:242:LEU:HD13	2:6v:236:ALA:CA	2.42	0.48
2:7b:57:MET:HB3	2:9Q:61:ALA:CB	2.33	0.48
2:7c:250:ALA:HB1	2:8j:281:LEU:O	2.14	0.48
2:8e:116:LYS:CA	2:8e:116:LYS:CE	2.85	0.48
2:8f:267:ASN:OD1	2:9P:254:SER:N	2.46	0.48
2:8g:183:PHE:CE1	2:9G:199:LEU:HB2	2.49	0.48
2:8g:273:LEU:HD21	2:9G:279:ILE:CG2	2.43	0.48
2:1i:127:ASP:OD1	2:1p:122:VAL:HG23	2.13	0.48
2:1i:219:LYS:O	2:2e:226:ILE:O	2.32	0.48
2:1i:244:GLY:N	2:2e:242:LEU:CD1	2.42	0.48
2:1k:97:TYR:CZ	2:1k:111:VAL:CB	2.82	0.48
2:2g:239:THR:HG22	2:4g:247:LYS:C	2.37	0.48
2:2h:173:LEU:HB3	2:3p:157:LEU:HD11	1.96	0.48
2:6i:126:LYS:HB2	2:7l:119:SER:HB3	1.95	0.48
2:6i:186:ALA:HB2	2:8o:180:VAL:CG2	2.43	0.48
2:6k:242:LEU:C	2:7e:244:GLY:HA3	2.38	0.48
2:7h:248:GLY:O	2:8p:279:ILE:CA	2.62	0.48
2:8m:110:LEU:C	2:8m:110:LEU:CD2	2.86	0.48
2:8o:118:ILE:HG22	2:8o:120:ILE:HG23	1.94	0.48
2:1o:38:ILE:HD13	2:1o:114:ARG:NH1	2.28	0.48
2:2j:209:LEU:CD2	2:1t:209:LEU:CD2	2.90	0.48
2:2l:228:ALA:C	2:4i:229:GLY:O	2.57	0.48
2:7m:248:GLY:O	2:8v:279:ILE:CA	2.62	0.48
2:8q:184:LEU:CD1	2:9H:184:LEU:HD22	2.35	0.48
2:8r:77:LEU:HD11	2:8r:98:ALA:HB2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:223:ARG:HG2	2:9I:228:ALA:CA	2.43	0.48
2:8t:99:VAL:HA	2:8x:28:ILE:HD12	1.95	0.48
2:2r:200:LEU:CD1	2:3x:200:LEU:HD22	2.37	0.48
2:3q:163:THR:H	2:3q:166:ASN:ND2	2.09	0.48
2:3t:38:ILE:HD13	2:3t:114:ARG:NH1	2.28	0.48
2:5k:234:LEU:CD1	2:6s:234:LEU:CD2	2.90	0.48
2:6r:120:ILE:HD13	2:7u:120:ILE:HG21	1.95	0.48
2:6r:209:LEU:O	2:7u:206:VAL:CG2	2.55	0.48
2:6s:132:GLY:HA3	2:7o:136:LEU:O	2.14	0.48
2:7r:247:LYS:HE3	2:9L:277:GLY:CA	2.44	0.48
2:8y:234:LEU:HD23	2:9J:242:LEU:HB2	1.95	0.48
2:8y:273:LEU:HD21	2:9J:279:ILE:CG2	2.43	0.48
2:9L:116:LYS:CA	2:9L:116:LYS:CE	2.86	0.48
2:1u:234:LEU:CD2	2:2t:242:LEU:O	2.62	0.48
2:1w:259:VAL:HG22	2:3w:259:VAL:HA	1.85	0.48
2:1w:273:LEU:HD13	2:3w:273:LEU:HD11	1.89	0.48
2:2v:219:LYS:HG2	2:3u:226:ILE:HA	1.96	0.48
2:2v:236:ALA:HB2	2:3u:242:LEU:HD11	1.95	0.48
2:7w:234:LEU:HD21	2:9R:234:LEU:HD11	1.95	0.48
1:1C:355:SER:HB3	1:1C:356:PRO:HD3	1.95	0.48
1:1F:30:ASP:OD1	1:1F:30:ASP:C	2.57	0.48
1:2B:447:GLN:O	1:2B:448:ALA:CB	2.62	0.48
1:2C:355:SER:O	1:2C:356:PRO:C	2.56	0.48
1:2D:447:GLN:O	1:2D:448:ALA:CB	2.62	0.48
1:3B:170:ILE:O	1:3B:171:TYR:HB2	2.14	0.48
1:3B:274:ASP:OD1	1:3B:274:ASP:C	2.54	0.48
1:4F:314:ASN:OD1	1:4F:314:ASN:C	2.55	0.48
1:5C:19:ASP:OD1	1:5C:19:ASP:C	2.55	0.48
1:5E:135:ASN:N	1:5E:135:ASN:OD1	2.43	0.48
1:5F:422:THR:HG21	1:5F:427:LYS:CD	2.44	0.48
1:6E:110:TYR:HB3	1:6F:137:GLN:HG2	1.96	0.48
1:7D:314:ASN:OD1	1:7D:314:ASN:C	2.56	0.48
1:8B:201:ASP:O	1:8B:209:ALA:HB1	2.14	0.48
1:8C:130:LEU:HD12	1:8C:130:LEU:C	2.39	0.48
1:1J:145:GLN:HG2	1:1J:319:TYR:HB3	1.95	0.48
1:3K:36:VAL:N	1:3K:37:PRO:CD	2.76	0.48
1:5G:358:ILE:O	1:5G:358:ILE:HG23	2.13	0.48
1:6G:331:SER:OG	1:6G:332:VAL:N	2.46	0.48
1:6L:355:SER:HB3	1:6L:356:PRO:CD	2.44	0.48
1:8G:54:ASN:OD1	1:8G:54:ASN:C	2.57	0.48
1:1M:446:ALA:HB1	2:1m:19:LEU:HD12	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1Q:16:GLU:N	1:1Q:16:GLU:OE1	2.47	0.48
1:2N:283:ASP:OD2	1:2N:283:ASP:C	2.57	0.48
1:3O:203:PRO:CG	1:3O:210:LEU:HA	2.38	0.48
1:3R:422:THR:OG1	1:3R:423:GLU:N	2.45	0.48
1:4N:355:SER:HB3	1:4N:356:PRO:HD3	1.96	0.48
1:5N:81:ASN:OD1	1:5N:81:ASN:C	2.56	0.48
1:6O:394:THR:O	1:6O:395:ALA:HB3	2.14	0.48
1:8M:30:ASP:OD1	1:8M:30:ASP:C	2.57	0.48
1:1V:145:GLN:HG2	1:1V:319:TYR:HB3	1.95	0.48
1:2T:270:MET:C	1:2T:270:MET:SD	2.97	0.48
1:4T:437:ILE:O	1:4T:437:ILE:CG2	2.60	0.48
1:4X:36:VAL:N	1:4X:37:PRO:HD2	2.28	0.48
1:4X:314:ASN:OD1	1:4X:314:ASN:C	2.55	0.48
1:7P:26:ASN:OD1	2:6s:52:LEU:HB2	2.11	0.48
1:8S:331:SER:OG	1:8S:332:VAL:N	2.47	0.48
1:8S:446:ALA:HB3	2:8w:55:VAL:HG13	1.96	0.48
1:8U:130:LEU:HD12	1:8U:130:LEU:C	2.39	0.48
1:8U:396:ILE:O	1:8U:396:ILE:CG2	2.46	0.48
1:2U:205:SER:OG	1:2U:206:SER:N	2.45	0.48
1:3b:407:ASN:OD1	2:3w:45:LYS:HB2	2.14	0.48
1:4Z:380:ASP:OD1	1:4Z:380:ASP:C	2.57	0.48
1:6Y:378:ALA:O	1:6Y:379:LYS:HB2	2.14	0.48
1:7U:428:LEU:HD23	1:7U:428:LEU:H	1.79	0.48
2:1e:118:ILE:CD1	2:1e:118:ILE:N	2.73	0.48
2:1e:225:MET:SD	2:1l:209:LEU:HD12	2.54	0.48
2:1f:247:LYS:CB	2:3f:238:THR:O	2.53	0.48
2:2Z:184:LEU:HD23	2:1l:180:VAL:CG1	2.43	0.48
2:2d:209:LEU:HD21	2:3k:209:LEU:HD22	1.92	0.48
2:3g:243:GLY:C	2:2x:244:GLY:HA3	2.39	0.48
2:3h:246:LYS:HG2	2:2w:240:THR:C	2.38	0.48
2:4e:163:THR:H	2:4e:166:ASN:ND2	2.09	0.48
2:5e:38:ILE:HD13	2:5e:114:ARG:NH1	2.28	0.48
2:5f:247:LYS:HG2	2:6v:280:SER:OG	2.13	0.48
2:6e:124:ASP:O	2:7g:119:SER:CA	2.61	0.48
2:6f:122:VAL:N	2:7f:127:ASP:OD1	2.42	0.48
2:6f:223:ARG:HH11	2:7f:227:GLY:HA3	1.78	0.48
2:6f:226:ILE:HD11	2:5h:226:ILE:HD11	1.94	0.48
2:6g:176:SER:HB3	2:7Z:167:LYS:HD2	1.94	0.48
2:6h:77:LEU:HD11	2:6h:98:ALA:HB2	1.95	0.48
2:7a:242:LEU:HD22	2:6v:236:ALA:HA	1.94	0.48
2:7b:119:SER:HB3	2:6u:126:LYS:HB2	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7d:244:GLY:C	2:9P:242:LEU:HD21	2.21	0.48
2:8e:125:ILE:HA	2:9F:120:ILE:HG13	1.95	0.48
2:8e:270:ILE:HG21	2:9F:251:VAL:HG22	1.92	0.48
2:8f:38:ILE:HD13	2:8f:114:ARG:NH1	2.28	0.48
2:8g:237:ALA:HB3	2:8k:247:LYS:HB2	1.90	0.48
2:8g:263:VAL:CG2	2:8k:256:ALA:HB3	2.44	0.48
2:2f:200:LEU:HD23	2:3j:196:LEU:HB3	1.94	0.48
2:2f:203:ASN:HB2	2:3j:212:GLY:HA3	1.96	0.48
2:2g:163:THR:H	2:2g:166:ASN:ND2	2.09	0.48
2:2i:158[A]:ILE:HA	2:3o:154:ALA:CB	2.44	0.48
2:3i:73:VAL:CG1	2:4g:28:ILE:HB	2.43	0.48
2:4h:126:LYS:C	2:4h:126:LYS:CD	2.85	0.48
2:5g:148[B]:ILE:HD13	2:6k:148[B]:ILE:CD1	2.43	0.48
2:6j:77:LEU:HD11	2:6j:98:ALA:HB2	1.95	0.48
2:6j:223:ARG:HH11	2:7k:227:GLY:CA	2.26	0.48
2:6k:180:VAL:HG13	2:7e:184:LEU:HD23	1.96	0.48
2:7h:158[A]:ILE:CD1	2:8p:158[A]:ILE:HD11	2.44	0.48
2:1m:219:LYS:O	2:2j:226:ILE:O	2.32	0.48
2:1n:126:LYS:C	2:1n:126:LYS:CD	2.85	0.48
2:2l:163:THR:H	2:2l:166:ASN:ND2	2.09	0.48
2:2m:225:MET:O	2:3t:219:LYS:HG2	2.14	0.48
2:2m:248:GLY:O	2:4j:280:SER:N	2.42	0.48
2:3p:77:LEU:HD11	2:3p:98:ALA:HB2	1.95	0.48
2:5i:245:VAL:CG1	2:6o:245:VAL:HG23	2.44	0.48
2:6m:57:MET:CB	2:7q:61:ALA:HB1	2.38	0.48
2:6n:232:TYR:HD2	2:7p:232:TYR:CD1	2.31	0.48
2:7m:61:ALA:HB2	2:8v:59:PRO:HD3	1.96	0.48
2:7m:136:LEU:HD13	2:8v:136:LEU:HD22	1.96	0.48
2:8q:239:THR:C	2:9H:246:LYS:CD	2.84	0.48
2:1q:234:LEU:CD2	2:2o:242:LEU:O	2.62	0.48
2:1s:281:LEU:CA	2:3s:250:ALA:HB1	2.44	0.48
2:2o:184:LEU:HD23	2:1x:180:VAL:CG1	2.43	0.48
2:2o:222:LEU:C	2:1x:226:ILE:HD12	2.38	0.48
2:2s:149[B]:ILE:HG23	2:1w:158[B]:ILE:CG2	2.43	0.48
2:2s:158[A]:ILE:HA	2:3w:154:ALA:CB	2.44	0.48
2:3q:259:VAL:HG22	2:4k:259:VAL:CG2	2.40	0.48
2:3q:259:VAL:CG2	2:4k:259:VAL:CG2	2.91	0.48
2:5k:118:ILE:CD1	2:5k:118:ILE:N	2.73	0.48
2:5k:245:VAL:CG1	2:6s:245:VAL:HG23	2.44	0.48
2:6t:174:LEU:O	2:9L:167:LYS:HB3	2.13	0.48
2:7r:120:ILE:HD11	2:9L:120:ILE:CD1	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:125:ILE:HA	2:9I:120:ILE:HG13	1.95	0.48
2:8w:175:PHE:CZ	2:9I:175:PHE:CE2	2.99	0.48
2:8w:270:ILE:N	2:9I:269:LEU:HD22	2.06	0.48
2:8x:97:TYR:CZ	2:8x:111:VAL:CB	2.82	0.48
2:8y:77:LEU:HD11	2:8y:98:ALA:HB2	1.95	0.48
2:8y:183:PHE:CE1	2:9J:199:LEU:HB2	2.49	0.48
2:1u:38:ILE:HD13	2:1u:114:ARG:NH1	2.28	0.48
2:1w:270:ILE:CD1	2:3w:251:VAL:CG2	2.91	0.48
2:2u:242:LEU:CB	2:3v:234:LEU:CD2	2.92	0.48
2:2v:184:LEU:HD23	2:3u:180:VAL:HG13	1.94	0.48
2:3v:77:LEU:HD11	2:3v:98:ALA:HB2	1.95	0.48
2:6u:119:SER:HB3	2:9Q:126:LYS:CE	2.43	0.48
2:6x:267:ASN:HD21	2:9R:254:SER:C	2.18	0.48
2:7w:248:GLY:O	2:9R:279:ILE:CA	2.62	0.48
2:9M:150:GLU:CD	2:9J:145:ARG:HH12	2.20	0.48
2:9M:175:PHE:HA	2:9J:171:GLN:HE22	1.79	0.48
1:4B:118:LYS:O	1:4B:120:PHE:N	2.46	0.47
1:4E:199:LYS:HG2	1:4E:202:GLU:CG	2.39	0.47
1:4F:36:VAL:N	1:4F:37:PRO:HD2	2.28	0.47
1:8A:448:ALA:HB2	2:8e:41:TYR:CE1	2.44	0.47
1:3I:438:ARG:HH11	1:3I:438:ARG:CG	2.28	0.47
1:4K:199:LYS:CG	1:4K:202:GLU:CG	2.92	0.47
1:4K:355:SER:HB3	1:4K:356:PRO:HD3	1.95	0.47
1:4K:444:GLY:HA2	2:4g:45:LYS:HD2	1.96	0.47
1:5H:135:ASN:N	1:5H:135:ASN:OD1	2.45	0.47
1:6G:378:ALA:O	1:6G:379:LYS:HB2	2.14	0.47
1:6H:231:ARG:O	1:6H:231:ARG:HG3	2.14	0.47
1:6L:19:ASP:OD1	1:6L:19:ASP:C	2.58	0.47
1:7I:314:ASN:OD1	1:7I:314:ASN:C	2.56	0.47
1:8H:202:GLU:C	1:8H:204:THR:N	2.71	0.47
1:8I:130:LEU:HD12	1:8I:130:LEU:C	2.39	0.47
1:8J:202:GLU:HA	1:8J:203:PRO:HD3	1.77	0.47
1:8K:36:VAL:N	1:8K:37:PRO:HD2	2.29	0.47
1:2N:91:ILE:HG22	1:2N:91:ILE:O	2.13	0.47
1:3N:41:ALA:O	1:3N:42:ASN:HB2	2.14	0.47
1:3P:423:GLU:OE1	1:3P:423:GLU:N	2.35	0.47
1:4N:203:PRO:O	1:4N:204:THR:OG1	2.30	0.47
1:4Q:419:ASP:OD1	1:4Q:419:ASP:C	2.57	0.47
1:7O:28:GLN:HG2	2:5j:52:LEU:HD11	1.93	0.47
1:8P:274:ASP:OD1	1:8P:274:ASP:C	2.57	0.47
1:8Q:95:ARG:HB2	1:7R:151:THR:HG23	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1U:137:GLN:O	1:1U:137:GLN:CG	2.62	0.47
1:1W:16:GLU:N	1:1W:16:GLU:OE1	2.47	0.47
1:2P:395:ALA:HB1	2:2r:107:LEU:HG	1.95	0.47
1:5T:211:THR:O	1:5T:214:VAL:N	2.45	0.47
1:6W:110:TYR:HB3	1:6X:137:GLN:HG2	1.96	0.47
1:7T:25:ARG:NH2	2:5l:51:ASP:CG	2.62	0.47
1:8T:208:GLY:O	1:8T:212:GLU:HG3	2.13	0.47
1:2X:355:SER:HB3	1:2X:356:PRO:CD	2.44	0.47
1:4Y:355:SER:HB3	1:4Y:356:PRO:CD	2.44	0.47
1:4Z:190:TYR:C	1:4Z:190:TYR:CD2	2.92	0.47
1:4c:199:LYS:CG	1:4c:202:GLU:CG	2.92	0.47
1:4c:446:ALA:O	2:4m:55:VAL:HA	2.14	0.47
1:5a:252:ASP:O	1:5a:253:ALA:HB3	2.14	0.47
1:5d:265:ALA:O	1:5d:266:LYS:HB2	2.14	0.47
1:7U:447:GLN:CG	2:7x:60:LEU:HD11	2.44	0.47
1:7V:447:GLN:CG	2:7v:41:TYR:OH	2.61	0.47
2:2Z:209:LEU:CD2	2:1l:209:LEU:CD2	2.90	0.47
2:2a:203:ASN:HB2	2:3f:212:GLY:HA3	1.96	0.47
2:2b:219:LYS:HG2	2:3e:226:ILE:HA	1.96	0.47
2:2c:239:THR:HB	2:3l:247:LYS:O	1.63	0.47
2:2d:149[B]:ILE:HG23	2:1k:158[B]:ILE:CG2	2.43	0.47
2:3h:28:ILE:HD12	2:4n:99:VAL:HA	1.95	0.47
2:5e:183:PHE:CD2	2:6g:183:PHE:CE2	3.02	0.47
2:6f:223:ARG:HH11	2:7f:227:GLY:CA	2.26	0.47
2:7a:90:ASP:OD1	2:7a:90:ASP:C	2.56	0.47
2:8i:245:VAL:O	2:7g:242:LEU:HD22	2.10	0.47
2:1i:225:MET:SD	2:1p:209:LEU:HD12	2.54	0.47
2:1k:240:THR:O	2:3k:246:LYS:NZ	2.47	0.47
2:2g:200:LEU:HD12	2:3i:200:LEU:HD22	1.96	0.47
2:6i:126:LYS:C	2:6i:126:LYS:CD	2.85	0.47
2:6j:280:SER:OG	2:5j:247:LYS:HG2	2.13	0.47
2:7g:90:ASP:OD1	2:7g:90:ASP:C	2.56	0.47
2:8m:28:ILE:HA	2:8q:73:VAL:HG11	1.95	0.47
2:8m:183:PHE:CE1	2:9H:199:LEU:HB2	2.49	0.47
2:8m:237:ALA:HB3	2:8q:247:LYS:HB2	1.90	0.47
2:8p:163:THR:H	2:8p:166:ASN:ND2	2.09	0.47
2:1o:273:LEU:HD13	2:3o:273:LEU:CG	2.43	0.47
2:2j:90:ASP:OD1	2:2j:90:ASP:C	2.57	0.47
2:2n:247:LYS:O	2:3s:239:THR:HG22	2.14	0.47
2:3m:259:VAL:HG22	2:4i:259:VAL:CG2	2.40	0.47
2:3n:110:LEU:C	2:3n:110:LEU:CD2	2.85	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:254:SER:OG	2:8u:266:LEU:HD23	2.12	0.47
2:6m:256:ALA:H	2:8u:263:VAL:HG22	1.77	0.47
2:6m:280:SER:HA	2:7q:247:LYS:HE2	1.96	0.47
2:7k:90:ASP:OD1	2:7k:90:ASP:C	2.56	0.47
2:8s:234:LEU:HG	2:9I:242:LEU:HB3	1.96	0.47
2:8t:253:ALA:CB	2:8x:267:ASN:OD1	2.51	0.47
2:8t:254:SER:N	2:8x:267:ASN:OD1	2.46	0.47
2:2q:209:LEU:CD1	2:3q:225:MET:SD	2.80	0.47
2:2r:173:LEU:HB3	2:3x:157:LEU:HD12	1.95	0.47
2:2s:90:ASP:OD1	2:2s:90:ASP:C	2.57	0.47
2:2s:262:ALA:CB	2:3w:263:VAL:HG23	2.41	0.47
2:2s:266:LEU:HA	2:3w:266:LEU:HD11	1.96	0.47
2:6q:280:SER:HA	2:7v:247:LYS:HE2	1.96	0.47
2:7r:259:VAL:N	2:9L:259:VAL:CG1	2.73	0.47
2:7s:239:THR:HA	2:8x:247:LYS:HD3	1.95	0.47
2:8x:77:LEU:HD11	2:8x:98:ALA:HB2	1.95	0.47
2:8y:157:LEU:CD1	2:9J:173:LEU:HB3	2.43	0.47
2:9I:163:THR:H	2:9I:166:ASN:ND2	2.09	0.47
2:1w:281:LEU:CA	2:3w:250:ALA:HB1	2.44	0.47
2:3u:126:LYS:C	2:3u:126:LYS:CD	2.85	0.47
2:3u:244:GLY:HA2	2:4m:243:GLY:C	2.37	0.47
2:5m:183:PHE:CD2	2:6w:183:PHE:CE2	3.02	0.47
2:5m:267:ASN:CG	2:6w:254:SER:HB3	2.39	0.47
2:6u:116:LYS:CA	2:6u:116:LYS:CE	2.86	0.47
2:6u:186:ALA:HB2	2:9Q:180:VAL:CG2	2.43	0.47
2:7t:163:THR:H	2:7t:166:ASN:ND2	2.09	0.47
2:7v:90:ASP:OD1	2:7v:90:ASP:C	2.56	0.47
2:7x:239:THR:HA	2:9N:247:LYS:HD3	1.95	0.47
1:1B:252:ASP:O	1:1B:253:ALA:CB	2.61	0.47
1:1D:447:GLN:CG	2:1h:60:LEU:HD11	2.44	0.47
1:1F:151:THR:HA	1:1Y:94:GLY:HA2	1.96	0.47
1:2A:355:SER:HB2	1:2A:356:PRO:HD2	1.96	0.47
1:2D:47:VAL:HG12	1:2D:47:VAL:O	2.14	0.47
1:2E:270:MET:C	1:2E:270:MET:SD	2.96	0.47
1:3F:228:GLN:OE1	1:3F:228:GLN:N	2.34	0.47
1:4B:190:TYR:CD2	1:4B:190:TYR:C	2.92	0.47
1:5A:111:ASP:OD1	1:5A:111:ASP:C	2.57	0.47
1:5F:252:ASP:O	1:5F:253:ALA:CB	2.62	0.47
1:6A:378:ALA:O	1:6A:379:LYS:HB2	2.14	0.47
1:7B:447:GLN:CG	2:7b:44:VAL:CG2	2.91	0.47
1:8C:444:GLY:O	2:8j:45:LYS:HG2	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8F:437:ILE:O	1:8F:438:ARG:HB2	2.13	0.47
1:2G:447:GLN:O	1:2G:448:ALA:CB	2.62	0.47
1:2H:355:SER:O	1:2H:356:PRO:C	2.56	0.47
1:3I:208:GLY:C	1:3I:212:GLU:HG2	2.24	0.47
1:3I:443:SER:CA	2:3I:45:LYS:HZ1	2.22	0.47
1:4L:110:TYR:O	1:4L:111:ASP:HB2	2.15	0.47
1:5L:156:TRP:O	1:5L:158:ASN:N	2.47	0.47
1:5L:422:THR:HG21	1:5L:427:LYS:CD	2.44	0.47
1:8I:331:SER:OG	1:8I:332:VAL:N	2.47	0.47
1:8J:274:ASP:OD1	1:8J:274:ASP:C	2.57	0.47
1:1M:94:GLY:HA2	1:1X:151:THR:HA	1.96	0.47
1:1P:393:GLY:HA2	2:1p:107:LEU:CD1	2.44	0.47
1:1R:25:ARG:O	1:1R:26:ASN:HB2	2.14	0.47
1:1R:245:GLU:OE1	1:1R:245:GLU:N	2.34	0.47
1:1R:376:THR:OG1	1:1R:377:ASN:N	2.46	0.47
1:3Q:200:ILE:HD13	1:3Q:341:PHE:HB3	1.97	0.47
1:4P:8:VAL:O	1:4P:8:VAL:HG12	2.13	0.47
1:4R:36:VAL:N	1:4R:37:PRO:HD2	2.28	0.47
1:4R:355:SER:CB	1:4R:356:PRO:HD3	2.45	0.47
1:5Q:448:ALA:C	2:5i:63:TRP:HZ2	2.22	0.47
1:6O:245:GLU:OE1	1:6O:245:GLU:N	2.31	0.47
1:7K:93:LEU:C	1:7K:93:LEU:CD1	2.87	0.47
1:8M:54:ASN:OD1	1:8M:54:ASN:C	2.57	0.47
1:8O:130:LEU:HD12	1:8O:130:LEU:C	2.39	0.47
1:8P:444:GLY:H	2:8u:45:LYS:CD	2.27	0.47
1:1V:314:ASN:O	1:1V:314:ASN:CG	2.45	0.47
1:2R:393:GLY:C	2:2p:15:ALA:HB3	2.33	0.47
1:3V:391:SER:OG	1:3V:392:THR:N	2.45	0.47
1:3W:36:VAL:N	1:3W:37:PRO:CD	2.76	0.47
1:4S:355:SER:HB3	1:4S:356:PRO:CD	2.44	0.47
1:4T:190:TYR:CD2	1:4T:190:TYR:C	2.92	0.47
1:4W:355:SER:HB3	1:4W:356:PRO:HD3	1.95	0.47
1:5T:135:ASN:N	1:5T:135:ASN:OD1	2.45	0.47
1:5U:252:ASP:O	1:5U:253:ALA:HB3	2.14	0.47
1:6X:19:ASP:OD1	1:6X:19:ASP:C	2.58	0.47
1:6X:355:SER:HB3	1:6X:356:PRO:CD	2.44	0.47
1:7R:392:THR:OG1	2:7p:14:MET:HG2	2.13	0.47
1:8V:355:SER:HB3	1:8V:356:PRO:HD3	1.97	0.47
1:9D:403:SER:O	2:9I:16:TYR:OH	2.28	0.47
1:2U:135:ASN:N	1:2U:135:ASN:OD1	2.45	0.47
1:2W:355:SER:O	1:2W:356:PRO:C	2.56	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4Z:387:VAL:O	1:4Z:387:VAL:CG2	2.43	0.47
1:4d:36:VAL:N	1:4d:37:PRO:HD2	2.28	0.47
1:4d:445:GLY:CA	2:4n:44:VAL:HG22	2.44	0.47
1:5Z:426:PRO:O	1:5Z:427:LYS:CB	2.61	0.47
1:5b:36:VAL:N	1:5b:37:PRO:HD2	2.29	0.47
1:6a:394:THR:O	1:6a:395:ALA:HB3	2.14	0.47
1:6c:446:ALA:H	2:6v:44:VAL:HG23	1.77	0.47
1:8d:274:ASP:OD1	1:8d:274:ASP:C	2.57	0.47
2:1f:200:LEU:HD13	2:3f:200:LEU:HD22	1.78	0.47
2:1h:180:VAL:CG1	2:2t:184:LEU:HD23	2.43	0.47
2:1h:240:THR:CA	2:2t:246:LYS:CD	2.89	0.47
2:1h:280:SER:OG	2:2t:247:LYS:HE2	2.14	0.47
2:2Z:222:LEU:C	2:1l:226:ILE:HD12	2.38	0.47
2:3e:236:ALA:HA	2:4e:242:LEU:HD22	1.96	0.47
2:3g:229:GLY:HA3	2:2x:231:PRO:CD	2.44	0.47
2:5e:120:ILE:HD12	2:6g:120:ILE:HD11	1.95	0.47
2:5e:270:ILE:HG12	2:6g:251:VAL:CG2	2.43	0.47
2:6e:186:ALA:HB2	2:8i:180:VAL:CG2	2.43	0.47
2:6e:226:ILE:HG22	2:7g:222:LEU:HD13	1.96	0.47
2:6e:254:SER:OG	2:8i:266:LEU:HD23	2.12	0.47
2:7b:222:LEU:HD13	2:6u:226:ILE:HG22	1.96	0.47
2:7c:163:THR:H	2:7c:166:ASN:ND2	2.09	0.47
2:8e:62:ALA:HB3	2:9O:3:VAL:CG1	2.43	0.47
2:8e:226:ILE:HB	2:9F:219:LYS:HG2	1.94	0.47
2:8f:38:ILE:HD11	2:8f:114:ARG:CZ	2.35	0.47
2:8f:110:LEU:C	2:8f:110:LEU:CD2	2.86	0.47
2:8g:157:LEU:CD1	2:9G:173:LEU:HB3	2.43	0.47
2:9F:242:LEU:HB3	2:9O:234:LEU:HG	1.96	0.47
2:9F:243:GLY:N	2:9O:244:GLY:HA3	2.25	0.47
2:9F:279:ILE:CG2	2:9O:273:LEU:HD21	2.43	0.47
2:1k:228:ALA:C	2:3k:231:PRO:CG	2.87	0.47
2:2h:90:ASP:OD1	2:2h:90:ASP:C	2.56	0.47
2:2h:175:PHE:CZ	2:3p:175:PHE:CZ	2.86	0.47
2:2i:247:LYS:O	2:3o:239:THR:HG22	2.14	0.47
2:5g:118:ILE:CD1	2:7e:118:ILE:HD11	2.44	0.47
2:5g:183:PHE:CD2	2:6k:183:PHE:CE2	3.02	0.47
2:6i:254:SER:OG	2:8o:263:VAL:HG13	2.13	0.47
2:7h:250:ALA:CA	2:8p:280:SER:C	2.72	0.47
2:7i:120:ILE:HD13	2:8l:120:ILE:HD11	0.62	0.47
2:8k:148[A]:ILE:HG12	2:9G:144:ALA:HB1	1.97	0.47
2:8k:225:MET:CE	2:9G:212:GLY:CA	2.93	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8n:242:LEU:HD13	2:7n:234:LEU:HG	1.95	0.47
2:2j:247:LYS:HE2	2:1t:280:SER:OG	2.14	0.47
2:2k:129:GLY:HA3	2:3n:138:ILE:O	2.14	0.47
2:2n:231:PRO:CD	2:3s:229:GLY:HA3	2.44	0.47
2:4j:73:VAL:CG1	2:3t:28:ILE:HB	2.44	0.47
2:6m:73:VAL:HG11	2:8u:28:ILE:HA	1.95	0.47
2:6n:200:LEU:HD12	2:7p:200:LEU:HD22	1.95	0.47
2:6n:247:LYS:HB3	2:7p:239:THR:N	2.29	0.47
2:6o:201:VAL:C	2:7j:193:LYS:HD3	2.39	0.47
2:6p:59:PRO:O	2:7m:59:PRO:HG3	2.15	0.47
2:6p:118:ILE:CD1	2:6p:118:ILE:N	2.73	0.47
2:7n:163:THR:H	2:7n:166:ASN:ND2	2.09	0.47
2:8q:279:ILE:CB	2:9H:272:VAL:CG1	2.81	0.47
2:1s:163:THR:H	2:1s:166:ASN:ND2	2.09	0.47
2:2p:242:LEU:CB	2:3r:234:LEU:CD2	2.92	0.47
2:2q:175:PHE:CZ	2:3q:175:PHE:HZ	2.33	0.47
2:2r:90:ASP:OD1	2:2r:90:ASP:C	2.56	0.47
2:7p:90:ASP:OD1	2:7p:90:ASP:C	2.56	0.47
2:7r:120:ILE:HG12	2:9L:120:ILE:HD13	1.95	0.47
2:1u:118:ILE:CD1	2:1u:118:ILE:N	2.73	0.47
2:1v:57:MET:HB3	2:2u:61:ALA:HB1	1.97	0.47
2:2u:241:THR:C	2:3v:245:VAL:O	2.56	0.47
2:2v:57:MET:HE2	2:4m:111:VAL:CG1	2.45	0.47
2:5m:118:ILE:CD1	2:7t:118:ILE:HD11	2.44	0.47
2:6u:256:ALA:H	2:9Q:263:VAL:HG22	1.77	0.47
2:6x:38:ILE:HD13	2:6x:114:ARG:NH1	2.28	0.47
2:9J:163:THR:H	2:9J:166:ASN:ND2	2.09	0.47
1:1B:252:ASP:O	1:1B:253:ALA:HB3	2.13	0.47
1:1E:36:VAL:N	1:1E:37:PRO:HD2	2.28	0.47
1:4D:19:ASP:OD1	1:4D:19:ASP:C	2.54	0.47
1:5D:36:VAL:N	1:5D:37:PRO:HD2	2.29	0.47
1:7C:28:GLN:HG3	2:9P:52:LEU:CD1	2.43	0.47
1:8D:445:GLY:CA	2:8i:45:LYS:H	2.27	0.47
1:1J:444:GLY:C	2:1l:44:VAL:CG2	2.87	0.47
1:3L:392:THR:HG22	2:3i:16:TYR:CE1	2.48	0.47
1:5H:81:ASN:OD1	1:5H:81:ASN:C	2.56	0.47
1:5J:36:VAL:N	1:5J:37:PRO:HD2	2.29	0.47
1:5L:265:ALA:O	1:5L:266:LYS:HB2	2.14	0.47
1:6L:447:GLN:H	2:6i:56:ASN:H	1.62	0.47
1:8G:205:SER:OG	1:8G:206:SER:N	2.46	0.47
1:8H:200:ILE:O	1:8H:201:ASP:OD1	2.31	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1O:252:ASP:OD1	1:1O:252:ASP:C	2.57	0.47
1:2K:26:ASN:ND2	2:1t:51:ASP:OD1	2.40	0.47
1:2K:205:SER:OG	1:2K:206:SER:N	2.45	0.47
1:3O:202:GLU:CB	1:3O:343:SER:HB3	2.34	0.47
1:4N:380:ASP:OD1	1:4N:380:ASP:C	2.57	0.47
1:4Q:199:LYS:CG	1:4Q:202:GLU:CG	2.92	0.47
1:5P:36:VAL:N	1:5P:37:PRO:HD2	2.29	0.47
1:5R:111:ASP:C	1:5R:111:ASP:OD1	2.57	0.47
1:5R:265:ALA:O	1:5R:266:LYS:HB2	2.14	0.47
1:6M:378:ALA:O	1:6M:379:LYS:HB2	2.14	0.47
1:6N:423:GLU:OE2	1:6N:423:GLU:N	2.30	0.47
1:7K:26:ASN:OD1	2:6o:52:LEU:CB	2.62	0.47
1:8Q:36:VAL:N	1:8Q:37:PRO:HD2	2.29	0.47
1:2Q:447:GLN:CD	2:2q:60:LEU:HD11	2.39	0.47
1:2R:403:SER:C	2:2p:16:TYR:OH	2.56	0.47
1:3U:202:GLU:CB	1:3U:343:SER:HB3	2.34	0.47
1:3W:397:THR:OG1	1:3W:399:ASP:OD1	2.30	0.47
1:4T:355:SER:HB3	1:4T:356:PRO:HD3	1.96	0.47
1:4X:397:THR:O	1:4X:397:THR:CG2	2.62	0.47
1:5U:228:GLN:OE1	1:5U:228:GLN:N	2.29	0.47
1:5X:444:GLY:N	2:5l:44:VAL:CG2	2.67	0.47
1:7P:30:ASP:OD1	1:7P:30:ASP:C	2.58	0.47
1:7S:36:VAL:N	1:7S:37:PRO:CD	2.78	0.47
1:7S:397:THR:HG22	2:7o:107:LEU:CD1	2.45	0.47
1:8W:145:GLN:HG2	1:8W:319:TYR:HB3	1.97	0.47
1:8X:397:THR:OG1	1:8X:399:ASP:OD1	2.32	0.47
1:8X:448:ALA:C	2:8y:60:LEU:CD1	2.87	0.47
1:1a:447:GLN:HG2	2:1w:60:LEU:CD1	2.43	0.47
1:4a:423:GLU:OE1	1:4a:423:GLU:N	2.30	0.47
1:4c:286:ALA:O	1:4c:287:SER:CB	2.62	0.47
1:4d:447:GLN:HG2	2:4n:44:VAL:HG11	1.92	0.47
1:5Z:81:ASN:OD1	1:5Z:81:ASN:C	2.56	0.47
1:5c:314:ASN:OD1	1:5c:314:ASN:C	2.58	0.47
1:5c:446:ALA:CA	2:5m:44:VAL:HG23	2.44	0.47
1:5d:252:ASP:O	1:5d:253:ALA:CB	2.62	0.47
1:8Z:448:ALA:HB3	2:9N:41:TYR:CD2	2.49	0.47
1:8a:252:ASP:O	1:8a:253:ALA:HB3	2.14	0.47
2:2a:127:ASP:CG	2:3f:122:VAL:HG23	2.40	0.47
2:2d:231:PRO:CD	2:3k:229:GLY:HA3	2.44	0.47
2:2d:247:LYS:O	2:3k:239:THR:HG22	2.14	0.47
2:3e:97:TYR:OH	2:4e:41:TYR:OH	2.19	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4e:38:ILE:HD13	2:4e:114:ARG:NH1	2.28	0.47
2:4f:58:TYR:HB2	2:3l:2:MET:HE1	1.89	0.47
2:4f:99:VAL:HA	2:3l:28:ILE:HD12	1.95	0.47
2:5e:118:ILE:CD1	2:7Z:118:ILE:HD11	2.44	0.47
2:5e:120:ILE:HD11	2:7Z:120:ILE:HD13	0.72	0.47
2:6e:126:LYS:HB2	2:7g:119:SER:HB3	1.95	0.47
2:6f:200:LEU:HD12	2:7f:200:LEU:HD22	1.95	0.47
2:6f:247:LYS:HB3	2:7f:239:THR:N	2.29	0.47
2:6g:200:LEU:CD2	2:7Z:200:LEU:HD11	2.44	0.47
2:6g:201:VAL:C	2:7Z:193:LYS:HD3	2.39	0.47
2:6g:242:LEU:C	2:7Z:244:GLY:HA3	2.38	0.47
2:7c:120:ILE:HG12	2:8j:120:ILE:HD13	1.96	0.47
2:7c:247:LYS:HE3	2:8j:277:GLY:CA	2.43	0.47
2:7d:90:ASP:OD1	2:7d:90:ASP:C	2.57	0.47
2:8e:196:LEU:CD2	2:9F:183:PHE:CZ	2.77	0.47
2:8h:239:THR:CG2	2:7i:247:LYS:CD	2.85	0.47
2:2e:247:LYS:HE2	2:1p:280:SER:OG	2.14	0.47
2:2g:57:MET:HE2	2:4g:111:VAL:CG1	2.45	0.47
2:2h:61:ALA:HB1	2:4h:57:MET:HB3	1.97	0.47
2:2h:225:MET:O	2:3p:219:LYS:HG2	2.14	0.47
2:3i:236:ALA:HA	2:4g:242:LEU:HD22	1.96	0.47
2:4h:97:TYR:OH	2:3p:41:TYR:CE1	2.68	0.47
2:4h:247:LYS:CE	2:3p:239:THR:HG22	2.43	0.47
2:5g:111:VAL:HG22	2:7e:57:MET:HG3	1.96	0.47
2:5g:245:VAL:CG1	2:6k:245:VAL:CG2	2.92	0.47
2:5g:267:ASN:CG	2:6k:254:SER:HB3	2.39	0.47
2:5h:116:LYS:CA	2:5h:116:LYS:CE	2.86	0.47
2:5h:228:ALA:CA	2:7f:229:GLY:O	2.62	0.47
2:6i:254:SER:OG	2:8o:263:VAL:HG22	2.14	0.47
2:6k:76:ASN:ND2	2:6k:116:LYS:HG2	2.30	0.47
2:6k:225:MET:CG	2:7e:214:PRO:HD3	2.44	0.47
2:6l:38:ILE:HD13	2:6l:114:ARG:NH1	2.28	0.47
2:6l:274:LYS:NZ	2:8p:251:VAL:O	2.28	0.47
2:8m:120:ILE:HD12	2:8q:120:ILE:HD11	1.97	0.47
2:8m:148[A]:ILE:HG23	2:8q:145:ARG:HG3	1.95	0.47
2:8m:219:LYS:C	2:9H:226:ILE:O	2.52	0.47
2:1n:163:THR:H	2:1n:166:ASN:ND2	2.09	0.47
2:2j:210:LEU:CD2	2:1t:206:VAL:HG11	2.43	0.47
2:2l:219:LYS:HG2	2:3m:226:ILE:HA	1.96	0.47
2:3p:215:THR:H	2:3p:218:ASN:HD22	1.63	0.47
2:6m:253:ALA:CB	2:8u:267:ASN:CG	2.72	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6o:180:VAL:HG13	2:7j:184:LEU:HD23	1.96	0.47
2:7m:158[A]:ILE:CD1	2:8v:158[A]:ILE:HD11	2.44	0.47
2:8s:28:ILE:HA	2:8w:73:VAL:HG11	1.95	0.47
2:8s:234:LEU:HD23	2:9I:242:LEU:HB2	1.95	0.47
2:2o:120:ILE:HG13	2:1x:125:ILE:HA	1.97	0.47
2:2p:129:GLY:HA3	2:3r:138:ILE:O	2.15	0.47
2:2p:200:LEU:HD23	2:3r:196:LEU:HB3	1.94	0.47
2:2q:57:MET:HE2	2:4k:111:VAL:CG1	2.44	0.47
2:2q:57:MET:CE	2:4k:111:VAL:CG1	2.93	0.47
2:2r:61:ALA:HB1	2:4l:57:MET:HB3	1.97	0.47
2:2r:225:MET:O	2:3x:219:LYS:HG2	2.14	0.47
2:5k:131:THR:OG1	2:6s:140:THR:CA	2.63	0.47
2:6t:278:ILE:O	2:9L:248:GLY:N	2.38	0.47
2:7r:158[A]:ILE:CD1	2:9L:158[A]:ILE:HD11	2.44	0.47
2:7s:226:ILE:HD11	2:8x:226:ILE:CD1	2.29	0.47
2:8w:150:GLU:CG	2:9I:141:PRO:CB	2.92	0.47
2:1u:222:LEU:HB3	2:2t:226:ILE:CB	2.30	0.47
2:4m:38:ILE:HD13	2:4m:114:ARG:NH1	2.28	0.47
2:5m:38:ILE:HD13	2:5m:114:ARG:NH1	2.28	0.47
2:5m:120:ILE:HD12	2:6w:120:ILE:HD13	1.94	0.47
2:5n:76:ASN:ND2	2:5n:116:LYS:HG2	2.30	0.47
2:6v:77:LEU:HD11	2:6v:98:ALA:HB2	1.95	0.47
2:6w:201:VAL:C	2:7t:193:LYS:HD3	2.39	0.47
2:6x:163:THR:H	2:6x:166:ASN:ND2	2.09	0.47
2:7w:120:ILE:HG12	2:9R:120:ILE:HD13	1.95	0.47
2:9R:163:THR:H	2:9R:166:ASN:ND2	2.09	0.47
1:4C:217:MET:HE3	1:4C:217:MET:HB3	1.79	0.47
1:7A:428:LEU:HD23	1:7A:428:LEU:H	1.79	0.47
1:8E:36:VAL:N	1:8E:37:PRO:HD2	2.29	0.47
1:1I:19:ASP:O	1:1I:20:ILE:HB	2.14	0.47
1:1I:355:SER:HB3	1:1I:356:PRO:HD3	1.95	0.47
1:1L:30:ASP:OD1	1:1L:30:ASP:C	2.57	0.47
1:3H:170:ILE:O	1:3H:171:TYR:HB2	2.14	0.47
1:3H:354:VAL:O	1:3H:354:VAL:CG1	2.54	0.47
1:3K:200:ILE:HD13	1:3K:341:PHE:HB3	1.97	0.47
1:4I:217:MET:C	1:4I:217:MET:SD	2.98	0.47
1:5L:424:ASP:HB3	1:5L:427:LYS:HE2	1.97	0.47
1:3O:397:THR:OG1	1:3O:399:ASP:OD1	2.32	0.47
1:4O:355:SER:O	1:4O:356:PRO:C	2.58	0.47
1:4R:110:TYR:O	1:4R:111:ASP:HB2	2.15	0.47
1:7K:111:ASP:OD1	1:7K:111:ASP:C	2.56	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8O:252:ASP:O	1:8O:253:ALA:HB3	2.14	0.47
1:9C:447:GLN:HA	2:9H:56:ASN:O	2.15	0.47
1:1X:19:ASP:OD1	1:1X:19:ASP:C	2.58	0.47
1:2S:47:VAL:O	1:2S:47:VAL:HG12	2.14	0.47
1:4T:206:SER:O	1:4T:207:THR:C	2.56	0.47
1:5S:228:GLN:OE1	1:5S:228:GLN:N	2.32	0.47
1:5V:61:PHE:CD1	1:5V:61:PHE:C	2.92	0.47
1:7Q:205:SER:OG	1:7Q:206:SER:N	2.45	0.47
1:7R:38:LEU:O	1:7R:39:ALA:CB	2.61	0.47
1:8X:331:SER:OG	1:8X:332:VAL:N	2.46	0.47
1:1a:252:ASP:OD1	1:1a:252:ASP:C	2.57	0.47
1:2W:25:ARG:CZ	2:4n:51:ASP:OD2	2.62	0.47
1:5c:448:ALA:C	2:5m:63:TRP:CZ2	2.93	0.47
1:5d:446:ALA:CA	2:5n:56:ASN:CB	2.86	0.47
1:6a:235:SER:O	1:6a:236:MET:HB2	2.15	0.47
1:8c:445:GLY:H	2:9P:44:VAL:CG2	2.27	0.47
2:2Z:244:GLY:HA2	2:1l:243:GLY:H	1.77	0.47
2:2a:242:LEU:O	2:3f:234:LEU:HD23	2.03	0.47
2:2b:175:PHE:CZ	2:3e:175:PHE:HZ	2.33	0.47
2:2c:61:ALA:HB1	2:4f:57:MET:HB3	1.97	0.47
2:2c:242:LEU:CD1	2:3l:243:GLY:HA3	2.44	0.47
2:3h:223:ARG:HB3	2:2w:228:ALA:HA	1.53	0.47
2:5e:77:LEU:HD11	2:5e:98:ALA:HB2	1.95	0.47
2:5e:111:VAL:HG22	2:7Z:57:MET:HG3	1.96	0.47
2:5e:131:THR:OG1	2:6g:140:THR:CA	2.63	0.47
2:5e:245:VAL:CG1	2:6g:245:VAL:HG23	2.44	0.47
2:5e:267:ASN:CG	2:6g:254:SER:HB3	2.39	0.47
2:6g:76:ASN:ND2	2:6g:116:LYS:HG2	2.30	0.47
2:6g:126:LYS:C	2:6g:126:LYS:CD	2.85	0.47
2:6g:132:GLY:HA3	2:7Z:136:LEU:O	2.14	0.47
2:6h:38:ILE:HD13	2:6h:114:ARG:NH1	2.28	0.47
2:8e:225:MET:CE	2:9F:212:GLY:CA	2.93	0.47
2:8g:57:MET:HB3	2:8k:61:ALA:HB3	1.95	0.47
2:9F:180:VAL:HG22	2:9O:183:PHE:CE2	2.50	0.47
2:9F:199:LEU:HB2	2:9O:183:PHE:CE1	2.49	0.47
2:1k:229:GLY:HA3	2:3k:231:PRO:N	2.29	0.47
2:1k:266:LEU:HD13	2:3k:266:LEU:HB2	1.91	0.47
2:2g:236:ALA:H	2:3i:242:LEU:CD1	2.02	0.47
2:2g:239:THR:N	2:4g:247:LYS:CB	2.76	0.47
2:2i:244:GLY:HA3	2:3o:243:GLY:C	2.38	0.47
2:3j:38:ILE:HD13	2:3j:114:ARG:NH1	2.28	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:163:THR:H	2:4h:166:ASN:ND2	2.09	0.47
2:6j:200:LEU:HD12	2:7k:200:LEU:HD22	1.95	0.47
2:7i:163:THR:H	2:7i:166:ASN:ND2	2.09	0.47
2:8m:234:LEU:HG	2:9H:242:LEU:HB3	1.96	0.47
2:2l:200:LEU:HD12	2:3m:200:LEU:HD22	1.96	0.47
2:2n:158[A]:ILE:HA	2:3s:154:ALA:CB	2.44	0.47
2:2n:209:LEU:HD21	2:3s:209:LEU:HD22	1.91	0.47
2:5i:223:ARG:CD	2:7j:226:ILE:O	2.62	0.47
2:6o:225:MET:CG	2:7j:214:PRO:HD3	2.44	0.47
2:7j:90:ASP:OD1	2:7j:90:ASP:C	2.56	0.47
2:7m:193:LYS:HD3	2:8v:200:LEU:O	2.14	0.47
2:8q:184:LEU:CD2	2:9H:184:LEU:CD2	2.80	0.47
2:8s:127:ASP:OD1	2:8w:122:VAL:HG23	2.14	0.47
2:8s:247:LYS:HG2	2:9I:239:THR:CG2	2.40	0.47
2:8u:96:GLY:HA2	2:8u:112:ILE:O	2.15	0.47
2:1r:116:LYS:CA	2:1r:116:LYS:CE	2.85	0.47
2:1s:110:LEU:C	2:1s:110:LEU:CD2	2.85	0.47
2:2s:247:LYS:O	2:3w:239:THR:HG22	2.14	0.47
2:3q:236:ALA:HA	2:4k:242:LEU:HD22	1.96	0.47
2:6q:254:SER:OG	2:9K:263:VAL:HG22	2.14	0.47
2:6t:141:PRO:HB2	2:7r:150:GLU:CD	2.39	0.47
2:7r:136:LEU:HD13	2:9L:136:LEU:HD22	1.96	0.47
2:7r:254:SER:CA	2:9L:267:ASN:OD1	2.61	0.47
2:8w:76:ASN:ND2	2:8w:116:LYS:HG2	2.30	0.47
2:8y:234:LEU:HG	2:9J:242:LEU:HB3	1.96	0.47
2:1v:238:THR:C	2:2u:247:LYS:HB2	2.39	0.47
2:1w:273:LEU:HD13	2:3w:269:LEU:HD11	1.74	0.47
2:2u:129:GLY:HA3	2:3v:138:ILE:O	2.14	0.47
2:3u:163:THR:H	2:3u:166:ASN:ND2	2.09	0.47
2:5m:148[B]:ILE:HD13	2:6w:148[B]:ILE:CD1	2.43	0.47
2:6u:254:SER:OG	2:9Q:266:LEU:HD23	2.12	0.47
2:6x:59:PRO:O	2:7w:59:PRO:HG3	2.15	0.47
2:7x:90:ASP:OD1	2:7x:90:ASP:C	2.57	0.47
1:1C:443:SER:OG	2:1g:45:LYS:HE3	2.11	0.47
1:3B:41:ALA:O	1:3B:42:ASN:HB2	2.14	0.47
1:3E:200:ILE:HD13	1:3E:341:PHE:HB3	1.97	0.47
1:4C:355:SER:O	1:4C:356:PRO:C	2.58	0.47
1:5A:358:ILE:O	1:5A:358:ILE:HG23	2.13	0.47
1:5C:252:ASP:O	1:5C:253:ALA:HB3	2.14	0.47
1:6F:355:SER:HB3	1:6F:356:PRO:CD	2.44	0.47
1:7B:314:ASN:OD1	1:7B:314:ASN:C	2.57	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7E:356:PRO:HG2	1:7E:369:PHE:CD2	2.50	0.47
1:8B:228:GLN:H	1:8B:228:GLN:CD	2.12	0.47
1:8C:137:GLN:HG3	1:8C:137:GLN:O	2.15	0.47
1:8D:445:GLY:O	2:8i:44:VAL:CB	2.62	0.47
1:1L:25:ARG:O	1:1L:26:ASN:HB2	2.14	0.47
1:2F:355:SER:HB2	1:2F:356:PRO:HD2	1.96	0.47
1:2I:47:VAL:O	1:2I:47:VAL:HG12	2.14	0.47
1:3K:447:GLN:HG3	2:3j:56:ASN:HB2	1.96	0.47
1:3L:443:SER:C	2:3i:56:ASN:ND2	2.71	0.47
1:4G:140:TYR:N	1:4G:140:TYR:CD1	2.83	0.47
1:4H:355:SER:HB3	1:4H:356:PRO:HD3	1.96	0.47
1:4I:315:PRO:HB3	1:5N:310:GLU:HB3	1.97	0.47
1:4K:286:ALA:O	1:4K:287:SER:CB	2.62	0.47
1:5L:30:ASP:OD1	1:5L:30:ASP:C	2.56	0.47
1:6I:235:SER:O	1:6I:236:MET:HB2	2.15	0.47
1:6I:355:SER:HB2	1:6I:356:PRO:CD	2.45	0.47
1:6K:110:TYR:HB3	1:6L:137:GLN:HG2	1.96	0.47
1:7H:26:ASN:ND2	2:8h:52:LEU:HG	2.29	0.47
1:7I:377:ASN:OD1	1:7I:377:ASN:C	2.57	0.47
1:8G:399:ASP:OD1	1:8G:399:ASP:C	2.57	0.47
1:1O:444:GLY:CA	2:1o:45:LYS:HZ2	2.27	0.47
1:2N:355:SER:HB3	1:2N:356:PRO:CD	2.44	0.47
1:3M:381:HIS:O	1:3M:382:LYS:CB	2.61	0.47
1:3O:443:SER:HA	2:3p:45:LYS:HZ2	1.79	0.47
1:4O:217:MET:C	1:4O:217:MET:SD	2.98	0.47
1:4R:439:PRO:O	1:4R:440:ASN:HB3	2.13	0.47
1:6Q:7:ASP:OD1	1:6Q:7:ASP:C	2.57	0.47
1:6R:355:SER:HB3	1:6R:356:PRO:CD	2.44	0.47
1:7N:377:ASN:OD1	1:7N:377:ASN:C	2.56	0.47
1:8N:200:ILE:O	1:8N:201:ASP:OD1	2.31	0.47
1:8O:137:GLN:HG3	1:8O:137:GLN:O	2.15	0.47
1:1V:245:GLU:OE1	1:1V:245:GLU:N	2.32	0.47
1:5S:358:ILE:O	1:5S:358:ILE:HG23	2.13	0.47
1:5X:422:THR:CB	1:5X:427:LYS:CG	2.53	0.47
1:5X:444:GLY:HA2	2:5l:44:VAL:CG2	2.38	0.47
1:6T:103:ASP:OD1	1:6T:103:ASP:C	2.57	0.47
1:7P:283:ASP:OD1	1:7P:283:ASP:C	2.55	0.47
1:1Y:407:ASN:OD1	2:1u:45:LYS:HG2	2.15	0.47
1:1a:446:ALA:CB	2:1w:42:VAL:O	2.60	0.47
1:3d:228:GLN:OE1	1:3d:228:GLN:N	2.34	0.47
1:4Y:140:TYR:CD1	1:4Y:140:TYR:N	2.83	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4a:228:GLN:OE1	1:4a:228:GLN:N	2.29	0.47
1:6Z:231:ARG:O	1:6Z:231:ARG:HG3	2.14	0.47
1:7V:355:SER:OG	1:7V:370:THR:N	2.39	0.47
1:7W:443:SER:C	2:7u:45:LYS:NZ	2.72	0.47
1:8Y:331:SER:OG	1:8Y:332:VAL:N	2.47	0.47
2:2a:242:LEU:CB	2:3f:234:LEU:CD2	2.92	0.47
2:2a:280:SER:OG	2:3f:247:LYS:CE	2.60	0.47
2:2c:201:VAL:CG2	2:3l:210:LEU:CD1	2.79	0.47
2:2c:242:LEU:HD13	2:3l:243:GLY:HA3	1.90	0.47
2:2d:26:ASP:OD1	2:1k:72:LYS:NZ	2.46	0.47
2:2d:247:LYS:HE2	2:3k:280:SER:HA	1.96	0.47
2:3e:76:ASN:ND2	2:3e:116:LYS:HG2	2.30	0.47
2:5f:228:ALA:CA	2:7a:229:GLY:O	2.62	0.47
2:6e:254:SER:OG	2:8i:263:VAL:HG13	2.13	0.47
2:6e:254:SER:OG	2:8i:263:VAL:HG22	2.14	0.47
2:6g:226:ILE:CA	2:7Z:219:LYS:HA	2.44	0.47
2:6h:188:THR:OG1	2:7c:199:LEU:O	2.30	0.47
2:7a:120:ILE:HG21	2:6v:120:ILE:HD13	1.95	0.47
2:8e:61:ALA:HB3	2:9O:57:MET:HB3	1.95	0.47
2:8h:253:ALA:HB1	2:8l:267:ASN:CG	2.39	0.47
2:9F:228:ALA:CA	2:9O:223:ARG:CG	2.89	0.47
2:1i:59:PRO:O	2:2e:59:PRO:HG3	2.15	0.47
2:1k:281:LEU:CA	2:3k:250:ALA:HB1	2.44	0.47
2:2e:247:LYS:N	2:1p:239:THR:N	2.46	0.47
2:2f:206:VAL:HG12	2:3j:210:LEU:CD2	2.42	0.47
2:2f:226:ILE:C	2:3j:223:ARG:HH11	2.22	0.47
2:2i:183:PHE:CE1	2:3o:196:LEU:HD22	2.49	0.47
2:3i:76:ASN:ND2	2:3i:116:LYS:HG2	2.30	0.47
2:3k:163:THR:H	2:3k:166:ASN:ND2	2.09	0.47
2:4h:76:ASN:ND2	2:4h:116:LYS:HG2	2.30	0.47
2:6l:77:LEU:HD11	2:6l:98:ALA:HB2	1.95	0.47
2:7h:111:VAL:HG11	2:8p:57:MET:HE2	1.93	0.47
2:7i:242:LEU:HD13	2:8l:234:LEU:HD23	1.96	0.47
2:8k:76:ASN:ND2	2:8k:116:LYS:HG2	2.30	0.47
2:8l:96:GLY:HA2	2:8l:112:ILE:O	2.15	0.47
2:8m:127:ASP:OD1	2:8q:122:VAL:HG23	2.14	0.47
2:8p:76:ASN:ND2	2:8p:116:LYS:HG2	2.30	0.47
2:1m:28:ILE:HB	2:1t:73:VAL:HG11	1.90	0.47
2:1m:77:LEU:HD11	2:1m:98:ALA:HB2	1.95	0.47
2:1o:96:GLY:HA2	2:1o:112:ILE:O	2.15	0.47
2:1p:126:LYS:C	2:1p:126:LYS:CD	2.85	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2k:127:ASP:CG	2:3n:122:VAL:H	2.22	0.47
2:2k:206:VAL:HG12	2:3n:210:LEU:CD2	2.42	0.47
2:2k:279:ILE:HG22	2:3n:273:LEU:HD21	1.96	0.47
2:2l:206:VAL:HG11	2:4i:210:LEU:HD23	1.95	0.47
2:3m:76:ASN:ND2	2:3m:116:LYS:HG2	2.30	0.47
2:3m:234:LEU:HD21	2:4i:243:GLY:CA	2.43	0.47
2:4j:97:TYR:OH	2:3t:41:TYR:CE1	2.68	0.47
2:6m:254:SER:OG	2:8u:263:VAL:HG13	2.13	0.47
2:6o:76:ASN:ND2	2:6o:116:LYS:HG2	2.30	0.47
2:7m:248:GLY:CA	2:8v:278:ILE:O	2.61	0.47
2:8q:132:GLY:HA3	2:9H:136:LEU:CA	2.45	0.47
2:8s:96:GLY:HA2	2:8s:112:ILE:O	2.15	0.47
2:8s:236:ALA:CA	2:9I:242:LEU:HD21	2.28	0.47
2:1q:59:PRO:O	2:2o:59:PRO:HG3	2.15	0.47
2:1q:219:LYS:O	2:2o:226:ILE:O	2.32	0.47
2:2p:203:ASN:HB2	2:3r:212:GLY:HA3	1.96	0.47
2:2p:206:VAL:CG2	2:3r:209:LEU:O	2.44	0.47
2:2p:226:ILE:CG2	2:3r:222:LEU:HD13	2.42	0.47
2:2p:280:SER:OG	2:3r:247:LYS:CE	2.60	0.47
2:2q:223:ARG:CD	2:3q:228:ALA:N	2.54	0.47
2:2r:188:THR:OG1	2:4l:199:LEU:O	2.14	0.47
2:3q:76:ASN:ND2	2:3q:116:LYS:HG2	2.30	0.47
2:4l:99:VAL:HA	2:3x:28:ILE:HD12	1.95	0.47
2:4l:244:GLY:CA	2:3x:242:LEU:CD1	2.88	0.47
2:5k:259:VAL:HG21	2:6s:259:VAL:H	1.78	0.47
2:5k:267:ASN:CG	2:6s:254:SER:HB3	2.39	0.47
2:6q:76:ASN:ND2	2:6q:116:LYS:HG2	2.30	0.47
2:6q:163:THR:H	2:6q:166:ASN:ND2	2.09	0.47
2:6s:225:MET:CG	2:7o:214:PRO:HD3	2.44	0.47
2:6t:269:LEU:HD22	2:7r:270:ILE:HG13	1.96	0.47
2:2u:240:THR:HA	2:3v:246:LYS:CG	2.45	0.47
2:2v:57:MET:CE	2:4m:111:VAL:CG1	2.93	0.47
2:2v:239:THR:HG22	2:4m:247:LYS:C	2.37	0.47
2:4m:77:LEU:HD11	2:4m:98:ALA:HB2	1.95	0.47
2:4m:96:GLY:HA2	2:4m:112:ILE:O	2.15	0.47
2:4n:76:ASN:ND2	2:4n:116:LYS:HG2	2.30	0.47
2:5m:243:GLY:O	2:6w:245:VAL:O	2.33	0.47
2:5m:245:VAL:CG1	2:6w:245:VAL:HG23	2.44	0.47
2:5m:245:VAL:CG1	2:6w:245:VAL:CG2	2.92	0.47
2:6x:96:GLY:HA2	2:6x:112:ILE:O	2.15	0.47
2:7w:61:ALA:HB2	2:9R:59:PRO:HD3	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:138:ILE:O	2:9R:132:GLY:N	2.37	0.47
2:9M:174:LEU:CD1	2:9J:174:LEU:HD11	2.45	0.47
2:9O:77:LEU:HD11	2:9O:98:ALA:HB2	1.95	0.47
1:1A:446:ALA:N	2:1e:44:VAL:HG23	2.29	0.47
1:1E:394:THR:O	1:1E:394:THR:CG2	2.63	0.47
1:4E:286:ALA:O	1:4E:287:SER:CB	2.62	0.47
1:5F:265:ALA:O	1:5F:266:LYS:HB2	2.14	0.47
1:6A:331:SER:OG	1:6A:332:VAL:N	2.46	0.47
1:6B:231:ARG:HG3	1:6B:231:ARG:O	2.14	0.47
1:6F:286:ALA:O	1:6F:287:SER:CB	2.63	0.47
1:6F:355:SER:CB	1:6F:356:PRO:CD	2.92	0.47
1:7E:407:ASN:HD21	2:7c:45:LYS:CG	2.26	0.47
1:8E:448:ALA:C	2:8h:60:LEU:H	2.23	0.47
1:1G:205:SER:OG	1:1G:206:SER:N	2.43	0.47
1:1H:423:GLU:OE1	1:1H:423:GLU:N	2.32	0.47
1:2G:28:GLN:NE2	2:3o:52:LEU:HD11	2.29	0.47
1:6J:252:ASP:O	1:6J:253:ALA:CB	2.63	0.47
1:7J:447:GLN:O	2:7h:41:TYR:CD1	2.67	0.47
1:8J:445:GLY:C	2:8o:44:VAL:HB	2.40	0.47
1:1R:356:PRO:CD	1:1R:369:PHE:HD2	2.15	0.47
1:3N:36:VAL:N	1:3N:37:PRO:HD2	2.28	0.47
1:4O:315:PRO:HB3	1:5T:310:GLU:HB3	1.97	0.47
1:5N:211:THR:O	1:5N:214:VAL:N	2.45	0.47
1:5N:343:SER:OG	1:5N:344:GLY:N	2.44	0.47
1:5O:252:ASP:O	1:5O:253:ALA:HB3	2.14	0.47
1:6O:355:SER:HB2	1:6O:356:PRO:CD	2.45	0.47
1:7O:103:ASP:OD1	1:7O:103:ASP:C	2.55	0.47
1:7O:331:SER:OG	1:7O:332:VAL:N	2.45	0.47
1:7O:356:PRO:HG2	1:7O:369:PHE:CD2	2.50	0.47
1:9C:446:ALA:CB	2:9H:41:TYR:CD1	2.89	0.47
1:2Q:19:ASP:OD1	1:2Q:19:ASP:C	2.57	0.47
1:2S:283:ASP:OD2	1:2S:283:ASP:C	2.57	0.47
1:2S:355:SER:HB3	1:2S:356:PRO:CD	2.44	0.47
1:5X:156:TRP:O	1:5X:158:ASN:N	2.47	0.47
1:6U:355:SER:HB2	1:6U:356:PRO:CD	2.45	0.47
1:6V:205:SER:OG	1:6V:206:SER:N	2.46	0.47
1:1d:25:ARG:O	1:1d:26:ASN:HB2	2.14	0.47
1:4d:355:SER:CB	1:4d:356:PRO:HD3	2.45	0.47
1:4d:397:THR:O	1:4d:397:THR:CG2	2.62	0.47
1:5d:422:THR:HG21	1:5d:427:LYS:CD	2.44	0.47
2:1f:57:MET:HB3	2:2a:61:ALA:HB1	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1g:281:LEU:CA	2:3g:250:ALA:HB1	2.44	0.47
2:1h:209:LEU:HD12	2:1u:225:MET:SD	2.54	0.47
2:2Z:120:ILE:HG13	2:1l:125:ILE:HA	1.97	0.47
2:2Z:232:TYR:CD2	2:1l:232:TYR:CE2	2.98	0.47
2:2a:240:THR:HA	2:3f:246:LYS:CG	2.45	0.47
2:2d:196:LEU:CB	2:3k:200:LEU:HD22	2.41	0.47
2:3e:259:VAL:HG22	2:4e:259:VAL:CG2	2.40	0.47
2:3g:154:ALA:CB	2:2x:158[A]:ILE:HA	2.44	0.47
2:3g:239:THR:HG22	2:2x:247:LYS:O	2.14	0.47
2:3g:266:LEU:HD11	2:2x:266:LEU:HA	1.96	0.47
2:5e:96:GLY:HA2	2:5e:112:ILE:O	2.15	0.47
2:5e:245:VAL:CG1	2:6g:245:VAL:CG2	2.93	0.47
2:6f:96:GLY:HA2	2:6f:112:ILE:O	2.15	0.47
2:6g:127:ASP:OD1	2:7Z:121[A]:GLU:CA	2.63	0.47
2:7Z:163:THR:H	2:7Z:166:ASN:ND2	2.09	0.47
2:7c:139:ASN:HA	2:8j:130:ASP:N	2.30	0.47
2:7c:234:LEU:CD1	2:8j:234:LEU:HD13	2.33	0.47
2:8f:2:MET:HE1	2:9P:58:TYR:HB3	1.96	0.47
2:8g:234:LEU:HD21	2:9G:243:GLY:N	2.17	0.47
2:8h:58:TYR:HB3	2:8l:2:MET:HE1	1.96	0.47
2:2h:222:LEU:HD23	2:3p:209:LEU:HD21	1.92	0.47
2:2i:279:ILE:CD1	2:1o:251:VAL:HG13	2.24	0.47
2:4g:97:TYR:CZ	2:4g:111:VAL:CB	2.82	0.47
2:6k:200:LEU:CD2	2:7e:200:LEU:HD11	2.44	0.47
2:6k:240:THR:HA	2:7e:246:LYS:CE	2.45	0.47
2:6l:148[B]:ILE:HD12	2:8p:148[B]:ILE:HD11	1.96	0.47
2:6l:269:LEU:HD22	2:7h:270:ILE:HG13	1.96	0.47
2:7e:90:ASP:OD1	2:7e:90:ASP:C	2.56	0.47
2:7h:158[B]:ILE:HD11	2:8p:158[B]:ILE:HD11	1.97	0.47
2:7h:250:ALA:HB1	2:8p:281:LEU:O	2.14	0.47
2:7i:90:ASP:OD1	2:7i:90:ASP:C	2.57	0.47
2:8l:97:TYR:CZ	2:8l:111:VAL:CB	2.82	0.47
2:1n:238:THR:C	2:2k:247:LYS:HB2	2.40	0.47
2:2k:241:THR:C	2:3n:245:VAL:O	2.56	0.47
2:2m:201:VAL:HG22	2:3t:197:GLN:HG2	1.97	0.47
2:3m:236:ALA:HA	2:4i:242:LEU:HD22	1.96	0.47
2:4i:215:THR:H	2:4i:218:ASN:HD22	1.63	0.47
2:4j:41:TYR:CZ	2:4j:57:MET:SD	3.08	0.47
2:4j:76:ASN:ND2	2:4j:116:LYS:HG2	2.30	0.47
2:5i:131:THR:OG1	2:6o:140:THR:CA	2.63	0.47
2:5j:41:TYR:CZ	2:5j:57:MET:SD	3.08	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:77:LEU:HD11	2:6n:98:ALA:HB2	1.95	0.47
2:6n:120:ILE:HD13	2:7p:120:ILE:HG21	1.95	0.47
2:7m:259:VAL:CB	2:8v:259:VAL:HG22	2.42	0.47
2:8q:76:ASN:ND2	2:8q:116:LYS:HG2	2.30	0.47
2:1q:127:ASP:OD1	2:1x:122:VAL:HG23	2.13	0.47
2:1q:129:GLY:HA3	2:1x:138:ILE:O	2.15	0.47
2:1q:200:LEU:HD22	2:1x:200:LEU:CD1	2.45	0.47
2:1r:63:TRP:CG	2:1r:112:ILE:HD11	2.50	0.47
2:1s:96:GLY:HA2	2:1s:112:ILE:O	2.15	0.47
2:1t:76:ASN:ND2	2:1t:116:LYS:HG2	2.30	0.47
2:2o:90:ASP:C	2:2o:90:ASP:OD1	2.57	0.47
2:3s:63:TRP:CG	2:3s:112:ILE:HD11	2.50	0.47
2:3t:77:LEU:HD11	2:3t:98:ALA:HB2	1.95	0.47
2:4l:76:ASN:ND2	2:4l:116:LYS:HG2	2.30	0.47
2:5k:243:GLY:O	2:6s:245:VAL:O	2.33	0.47
2:6q:73:VAL:HG11	2:9K:28:ILE:HA	1.95	0.47
2:6t:148[B]:ILE:CD1	2:7r:148[B]:ILE:HD12	2.39	0.47
2:6t:163:THR:H	2:6t:166:ASN:ND2	2.09	0.47
2:7r:163:THR:H	2:7r:166:ASN:ND2	2.09	0.47
2:7r:193:LYS:HD3	2:9L:200:LEU:O	2.14	0.47
2:8y:96:GLY:HA2	2:8y:112:ILE:O	2.15	0.47
2:8y:183:PHE:CE2	2:9J:180:VAL:HG22	2.50	0.47
2:1u:246:LYS:HG2	2:2t:240:THR:O	2.15	0.47
2:1v:247:LYS:CB	2:3v:238:THR:O	2.53	0.47
2:2t:90:ASP:OD1	2:2t:90:ASP:C	2.57	0.47
2:2u:127:ASP:CG	2:3v:122:VAL:HG23	2.40	0.47
2:3w:76:ASN:ND2	2:3w:116:LYS:HG2	2.30	0.47
2:5m:120:ILE:HD11	2:7t:120:ILE:HD13	0.72	0.47
2:5m:131:THR:OG1	2:6w:140:THR:CA	2.63	0.47
2:6w:63:TRP:CG	2:6w:112:ILE:HD11	2.50	0.47
2:6w:127:ASP:OD1	2:7t:121[A]:GLU:CA	2.63	0.47
2:9M:63:TRP:CG	2:9M:112:ILE:HD11	2.50	0.47
2:9M:226:ILE:HB	2:9J:219:LYS:HG2	1.93	0.47
1:1C:443:SER:OG	1:1C:444:GLY:N	2.48	0.47
1:1D:443:SER:CA	2:1h:56:ASN:ND2	2.60	0.47
1:1E:16:GLU:N	1:1E:16:GLU:OE1	2.47	0.47
1:2B:111:ASP:OD1	1:2B:111:ASP:C	2.58	0.47
1:3A:95:ARG:O	1:3A:96:THR:HB	2.13	0.47
1:4B:203:PRO:O	1:4B:204:THR:OG1	2.30	0.47
1:4C:315:PRO:HB3	1:5H:310:GLU:HB3	1.96	0.47
1:4F:110:TYR:O	1:4F:111:ASP:HB2	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5C:252:ASP:O	1:5C:253:ALA:CB	2.63	0.47
1:5C:355:SER:O	1:5C:356:PRO:C	2.56	0.47
1:6E:7:ASP:OD1	1:6E:7:ASP:C	2.57	0.47
1:7A:30:ASP:OD1	1:7A:30:ASP:C	2.58	0.47
1:7D:423:GLU:OE1	1:7D:423:GLU:N	2.35	0.47
1:8A:30:ASP:OD1	1:8A:30:ASP:C	2.57	0.47
1:8C:252:ASP:O	1:8C:253:ALA:HB3	2.14	0.47
1:1I:252:ASP:C	1:1I:252:ASP:OD1	2.57	0.47
1:1J:440:ASN:OD1	1:1J:440:ASN:C	2.54	0.47
1:2I:283:ASP:OD2	1:2I:283:ASP:C	2.57	0.47
1:2J:355:SER:HB2	1:2J:356:PRO:HD3	1.97	0.47
1:3H:36:VAL:N	1:3H:37:PRO:HD2	2.28	0.47
1:5I:252:ASP:O	1:5I:253:ALA:HB3	2.14	0.47
1:5J:412:LEU:HB2	1:5J:435:VAL:HB	1.97	0.47
1:7G:314:ASN:OD1	1:7G:314:ASN:C	2.57	0.47
1:7H:25:ARG:NH2	2:8h:51:ASP:OD1	2.43	0.47
1:8H:447:GLN:CG	2:8l:44:VAL:HG21	2.40	0.47
1:8H:447:GLN:CD	2:8l:44:VAL:HG22	2.39	0.47
1:8I:137:GLN:O	1:8I:137:GLN:HG3	2.15	0.47
1:8K:145:GLN:HG2	1:8K:319:TYR:HB3	1.97	0.47
1:1R:30:ASP:OD1	1:1R:30:ASP:C	2.57	0.47
1:2L:111:ASP:OD1	1:2L:111:ASP:C	2.58	0.47
1:3N:283:ASP:OD2	1:3N:283:ASP:C	2.57	0.47
1:3P:443:SER:HA	2:3o:56:ASN:HD21	0.34	0.47
1:5R:252:ASP:O	1:5R:253:ALA:HB3	2.14	0.47
1:5R:396:ILE:HD13	1:5R:396:ILE:HG21	1.68	0.47
1:5R:447:GLN:NE2	2:5j:44:VAL:HG12	2.30	0.47
1:6O:400:GLY:O	1:6O:401:LEU:HB2	2.13	0.47
1:6Q:110:TYR:HB3	1:6R:137:GLN:HG2	1.96	0.47
1:7N:36:VAL:N	1:7N:37:PRO:CD	2.78	0.47
1:8M:399:ASP:OD1	1:8M:399:ASP:C	2.57	0.47
1:8N:190:TYR:CD2	1:8N:190:TYR:C	2.93	0.47
1:8O:362:LYS:HA	1:8O:438:ARG:HB3	1.97	0.47
1:8P:447:GLN:CB	2:8u:56:ASN:HB2	2.44	0.47
1:1V:447:GLN:CG	2:1t:60:LEU:HD11	2.44	0.47
1:2P:19:ASP:OD1	1:2P:19:ASP:C	2.58	0.47
1:2T:230:SER:OG	1:2T:231:ARG:N	2.48	0.47
1:2T:355:SER:HB2	1:2T:356:PRO:HD3	1.97	0.47
1:2T:363:GLN:HG2	1:2T:439:PRO:HA	1.97	0.47
1:3T:170:ILE:O	1:3T:171:TYR:CB	2.63	0.47
1:3U:245:GLU:OE1	1:3U:245:GLU:N	2.34	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3W:447:GLN:HB2	2:3r:44:VAL:HG21	1.95	0.47
1:4W:199:LYS:CG	1:4W:202:GLU:CG	2.91	0.47
1:4X:110:TYR:O	1:4X:111:ASP:HB2	2.15	0.47
1:5S:81:ASN:OD1	1:5S:81:ASN:C	2.58	0.47
1:5U:252:ASP:OD1	1:5U:252:ASP:C	2.57	0.47
1:5W:314:ASN:OD1	1:5W:314:ASN:C	2.58	0.47
1:5X:30:ASP:OD1	1:5X:30:ASP:C	2.56	0.47
1:6U:235:SER:O	1:6U:236:MET:HB2	2.15	0.47
1:7T:356:PRO:HG2	1:7T:369:PHE:CD2	2.50	0.47
1:8X:274:ASP:OD1	1:8X:274:ASP:C	2.57	0.47
1:1a:200:ILE:HG22	1:1a:216:LYS:HD2	1.97	0.47
1:1b:145:GLN:HG2	1:1b:319:TYR:HB3	1.95	0.47
1:1d:30:ASP:OD1	1:1d:30:ASP:C	2.57	0.47
1:2V:25:ARG:NH2	2:3g:51:ASP:OD1	2.42	0.47
1:3Z:170:ILE:O	1:3Z:171:TYR:HB2	2.14	0.47
1:3b:391:SER:OG	1:3b:392:THR:N	2.45	0.47
1:4d:408:GLU:OE1	1:4d:408:GLU:HA	2.14	0.47
1:5Y:358:ILE:HG23	1:5Y:358:ILE:O	2.13	0.47
1:5Y:438:ARG:O	1:5Y:438:ARG:CG	2.60	0.47
1:5d:111:ASP:OD1	1:5d:111:ASP:C	2.57	0.47
1:7U:331:SER:OG	1:7U:332:VAL:N	2.44	0.47
1:7X:36:VAL:N	1:7X:37:PRO:CD	2.78	0.47
1:7X:398:GLY:HA2	2:7t:106:GLN:CD	2.40	0.47
1:8Z:201:ASP:O	1:8Z:209:ALA:HB1	2.14	0.47
1:8Z:447:GLN:CB	2:9N:56:ASN:CB	2.85	0.47
1:8b:355:SER:HB3	1:8b:356:PRO:HD3	1.97	0.47
1:8d:448:ALA:C	2:9O:60:LEU:CG	2.85	0.47
2:1e:222:LEU:CB	2:2Z:226:ILE:HB	2.44	0.47
2:1g:131:THR:OG1	2:3g:140:THR:CA	2.63	0.47
2:1g:136:LEU:O	2:2x:132:GLY:HA3	2.15	0.47
2:1g:263:VAL:HG21	2:3g:256:ALA:HB3	0.94	0.47
2:1h:76:ASN:ND2	2:1h:116:LYS:HG2	2.30	0.47
2:1h:232:TYR:CE2	2:2t:232:TYR:CD2	2.98	0.47
2:2Z:223:ARG:HH11	2:1l:227:GLY:HA3	1.73	0.47
2:2a:226:ILE:C	2:3f:223:ARG:HH11	2.22	0.47
2:2b:90:ASP:OD1	2:2b:90:ASP:C	2.57	0.47
2:2c:225:MET:O	2:3l:219:LYS:HG2	2.14	0.47
2:2c:248:GLY:O	2:4f:280:SER:N	2.42	0.47
2:3f:77:LEU:HD11	2:3f:98:ALA:HB2	1.96	0.47
2:3g:41:TYR:CZ	2:3g:57:MET:SD	3.08	0.47
2:3g:63:TRP:CG	2:3g:112:ILE:HD11	2.50	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:279:ILE:HD12	2:2x:251:VAL:CG1	2.45	0.47
2:3h:197:GLN:HE22	2:2w:202:SER:H	1.55	0.47
2:3h:219:LYS:HG2	2:2w:225:MET:O	2.14	0.47
2:4f:41:TYR:CZ	2:4f:57:MET:SD	3.08	0.47
2:4f:63:TRP:CG	2:4f:112:ILE:HD11	2.50	0.47
2:6e:76:ASN:ND2	2:6e:116:LYS:HG2	2.30	0.47
2:6g:202:SER:CB	2:7Z:193:LYS:CD	2.85	0.47
2:6g:209:LEU:CD2	2:7Z:209:LEU:HD21	2.43	0.47
2:6h:148[B]:ILE:HD12	2:8j:148[B]:ILE:HD11	1.96	0.47
2:7b:247:LYS:HE2	2:6u:280:SER:HA	1.97	0.47
2:7c:61:ALA:HB2	2:8j:59:PRO:HD3	1.96	0.47
2:7c:120:ILE:HD11	2:8j:120:ILE:CD1	2.44	0.47
2:7c:162:THR:OG1	2:8j:173:LEU:O	2.28	0.47
2:7c:248:GLY:O	2:8j:279:ILE:CA	2.62	0.47
2:8e:73:VAL:HG11	2:9O:28:ILE:HA	1.95	0.47
2:8e:279:ILE:HB	2:9F:272:VAL:HG11	1.93	0.47
2:8g:77:LEU:HD11	2:8g:98:ALA:HB2	1.95	0.47
2:8g:234:LEU:HD23	2:9G:242:LEU:HB2	1.95	0.47
2:8g:234:LEU:HG	2:9G:242:LEU:HB3	1.96	0.47
2:1k:175:PHE:HE1	2:3k:184:LEU:HB3	1.75	0.47
2:1k:200:LEU:O	2:3k:193:LYS:CB	2.54	0.47
2:2f:127:ASP:CG	2:3j:122:VAL:H	2.22	0.47
2:2f:242:LEU:CB	2:3j:234:LEU:CD2	2.92	0.47
2:2g:206:VAL:HG11	2:4g:210:LEU:HD23	1.95	0.47
2:2g:219:LYS:HG2	2:3i:226:ILE:HA	1.96	0.47
2:2g:244:GLY:HA2	2:3i:243:GLY:H	1.71	0.47
2:2h:240:THR:C	2:3p:246:LYS:HG2	2.38	0.47
2:2h:248:GLY:O	2:4h:280:SER:N	2.42	0.47
2:2i:251:VAL:CG1	2:3o:279:ILE:HD12	2.45	0.47
2:3i:63:TRP:CG	2:3i:112:ILE:HD11	2.50	0.47
2:3l:215:THR:H	2:3l:218:ASN:HD22	1.63	0.47
2:4g:215:THR:H	2:4g:218:ASN:HD22	1.63	0.47
2:5g:223:ARG:CD	2:7e:226:ILE:O	2.62	0.47
2:5g:270:ILE:CG1	2:6k:251:VAL:CG2	2.93	0.47
2:5h:126:LYS:C	2:5h:126:LYS:CD	2.85	0.47
2:6i:76:ASN:ND2	2:6i:116:LYS:HG2	2.30	0.47
2:6j:110:LEU:N	2:6j:110:LEU:CD1	2.73	0.47
2:6k:126:LYS:C	2:6k:126:LYS:CD	2.85	0.47
2:6l:59:PRO:O	2:7h:59:PRO:HG3	2.15	0.47
2:6l:279:ILE:HG22	2:8p:248:GLY:HA3	1.96	0.47
2:7h:136:LEU:HD13	2:8p:136:LEU:HD22	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7h:139:ASN:HA	2:8p:130:ASP:N	2.30	0.47
2:8k:174:LEU:CD1	2:9G:174:LEU:HD11	2.45	0.47
2:8m:97:TYR:CZ	2:8m:111:VAL:CB	2.82	0.47
2:8m:183:PHE:CE2	2:9H:180:VAL:HG22	2.49	0.47
2:8m:223:ARG:HG2	2:9H:228:ALA:CA	2.43	0.47
2:8m:234:LEU:HD23	2:9H:242:LEU:HB2	1.95	0.47
2:8n:63:TRP:CG	2:8n:112:ILE:HD11	2.50	0.47
2:8o:96:GLY:HA2	2:8o:112:ILE:O	2.15	0.47
2:1m:200:LEU:HD22	2:1t:200:LEU:CD1	2.45	0.47
2:1m:215:THR:H	2:1m:218:ASN:HD22	1.63	0.47
2:1n:226:ILE:HG22	2:2k:222:LEU:CD1	2.44	0.47
2:1o:154:ALA:HB1	2:3o:158[B]:ILE:CD1	2.44	0.47
2:1o:180:VAL:CG1	2:3o:184:LEU:HA	2.45	0.47
2:1o:228:ALA:C	2:3o:231:PRO:CG	2.87	0.47
2:2j:184:LEU:HD23	2:1t:180:VAL:CG1	2.43	0.47
2:2k:226:ILE:C	2:3n:223:ARG:HH11	2.22	0.47
2:2k:242:LEU:CB	2:3n:234:LEU:CD2	2.92	0.47
2:2m:61:ALA:HB1	2:4j:57:MET:HB3	1.96	0.47
2:2n:132:GLY:HA3	2:1s:136:LEU:O	2.15	0.47
2:3m:41:TYR:CZ	2:3m:57:MET:SD	3.08	0.47
2:3o:63:TRP:CG	2:3o:112:ILE:HD11	2.50	0.47
2:5i:96:GLY:HA2	2:5i:112:ILE:O	2.15	0.47
2:5i:245:VAL:CG1	2:6o:245:VAL:CG2	2.92	0.47
2:5j:76:ASN:ND2	2:5j:116:LYS:HG2	2.30	0.47
2:6m:76:ASN:ND2	2:6m:116:LYS:HG2	2.30	0.47
2:6m:250:ALA:HB2	2:8u:280:SER:C	2.40	0.47
2:6p:148[B]:ILE:HD12	2:8v:148[B]:ILE:HD11	1.96	0.47
2:6p:163:THR:H	2:6p:166:ASN:ND2	2.09	0.47
2:6p:234:LEU:HD13	2:7m:234:LEU:CD1	2.45	0.47
2:7m:234:LEU:HD21	2:8v:234:LEU:HD11	1.95	0.47
2:7m:250:ALA:HB1	2:8v:281:LEU:O	2.14	0.47
2:8q:238:THR:C	2:9H:246:LYS:HD3	2.31	0.47
2:8r:215:THR:H	2:8r:218:ASN:HD22	1.63	0.47
2:8s:97:TYR:CZ	2:8s:111:VAL:CB	2.82	0.47
2:8s:111:VAL:CG2	2:9I:57:MET:HE2	2.33	0.47
2:8s:183:PHE:CE2	2:9I:180:VAL:HG22	2.50	0.47
2:8s:219:LYS:O	2:9I:226:ILE:C	2.54	0.47
2:8s:263:VAL:CG2	2:8w:256:ALA:HB3	2.44	0.47
2:8t:76:ASN:ND2	2:8t:116:LYS:HG2	2.30	0.47
2:1q:96:GLY:HA2	2:1q:112:ILE:O	2.15	0.47
2:1q:215:THR:H	2:1q:218:ASN:HD22	1.63	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1q:246:LYS:HG2	2:2o:240:THR:O	2.15	0.47
2:1r:57:MET:HB3	2:2p:61:ALA:HB1	1.97	0.47
2:1r:238:THR:C	2:2p:247:LYS:HB2	2.39	0.47
2:1r:239:THR:CG2	2:2p:247:LYS:O	2.49	0.47
2:2o:232:TYR:CD2	2:1x:232:TYR:CE2	2.99	0.47
2:2p:240:THR:HA	2:3r:246:LYS:CG	2.44	0.47
2:2q:280:SER:OG	2:4k:247:LYS:HE2	2.13	0.47
2:2r:173:LEU:HB3	2:3x:157:LEU:HD11	1.96	0.47
2:2r:201:VAL:HG22	2:3x:197:GLN:HG2	1.96	0.47
2:2s:266:LEU:N	2:3w:266:LEU:CD2	2.77	0.47
2:5l:76:ASN:ND2	2:5l:116:LYS:HG2	2.30	0.47
2:6q:23:GLN:HE22	2:7v:75:ASP:HA	1.80	0.47
2:6r:77:LEU:HD11	2:6r:98:ALA:HB2	1.95	0.47
2:6s:76:ASN:ND2	2:6s:116:LYS:HG2	2.30	0.47
2:6s:201:VAL:C	2:7o:193:LYS:HD3	2.39	0.47
2:7o:163:THR:H	2:7o:166:ASN:ND2	2.09	0.47
2:7r:118:ILE:HD12	2:9L:114:ARG:HH12	1.80	0.47
2:7r:248:GLY:O	2:9L:279:ILE:CA	2.62	0.47
2:7r:256:ALA:HB3	2:9L:263:VAL:HG22	1.89	0.47
2:8w:63:TRP:CG	2:8w:112:ILE:HD11	2.50	0.47
2:8w:126:LYS:C	2:8w:126:LYS:CD	2.85	0.47
2:8z:253:ALA:HB1	2:9N:267:ASN:CG	2.40	0.47
2:9L:63:TRP:CG	2:9L:112:ILE:HD11	2.50	0.47
2:1u:222:LEU:CB	2:2t:226:ILE:HB	2.45	0.47
2:1v:163:THR:H	2:1v:166:ASN:ND2	2.09	0.47
2:1v:247:LYS:CB	2:3v:239:THR:HG22	2.39	0.47
2:2u:90:ASP:OD1	2:2u:90:ASP:C	2.57	0.47
2:2v:209:LEU:HD11	2:3u:222:LEU:HD23	1.97	0.47
2:2w:61:ALA:HB1	2:4n:57:MET:HB3	1.97	0.47
2:2w:90:ASP:OD1	2:2w:90:ASP:C	2.56	0.47
2:3u:236:ALA:HA	2:4m:242:LEU:HD22	1.96	0.47
2:3x:96:GLY:HA2	2:3x:112:ILE:O	2.15	0.47
2:5m:120:ILE:CD1	2:7t:120:ILE:HG21	2.39	0.47
2:5m:229:GLY:HA2	2:6w:231:PRO:HG3	1.95	0.47
2:5m:234:LEU:CD1	2:6w:234:LEU:CD2	2.90	0.47
2:6u:41:TYR:CZ	2:6u:57:MET:SD	3.08	0.47
2:6u:63:TRP:CG	2:6u:112:ILE:HD11	2.50	0.47
2:6v:96:GLY:HA2	2:6v:112:ILE:O	2.15	0.47
2:6w:173:LEU:CB	2:7t:157:LEU:HD12	2.43	0.47
2:6w:228:ALA:CA	2:7t:223:ARG:HG2	2.45	0.47
2:6x:215:THR:H	2:6x:218:ASN:HD22	1.63	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7u:90:ASP:OD1	2:7u:90:ASP:C	2.56	0.47
2:7w:120:ILE:HD11	2:9R:120:ILE:CD1	2.44	0.47
2:7w:219:LYS:HE3	2:9R:226:ILE:CA	2.45	0.47
2:7w:266:LEU:H	2:9R:266:LEU:CD2	2.20	0.47
2:9M:150:GLU:CG	2:9J:141:PRO:CB	2.92	0.47
2:9M:175:PHE:CZ	2:9J:175:PHE:HE2	2.23	0.47
2:9N:96:GLY:HA2	2:9N:112:ILE:O	2.15	0.47
2:9O:215:THR:H	2:9O:218:ASN:HD22	1.63	0.47
1:2E:446:ALA:O	2:2d:55:VAL:HA	2.15	0.47
1:3B:36:VAL:N	1:3B:37:PRO:HD2	2.28	0.47
1:4C:217:MET:C	1:4C:217:MET:SD	2.98	0.47
1:4E:355:SER:HB3	1:4E:356:PRO:HD3	1.95	0.47
1:4F:355:SER:CB	1:4F:356:PRO:HD3	2.45	0.47
1:4F:358:ILE:O	1:4F:358:ILE:CG2	2.63	0.47
1:5B:296:ASP:OD1	1:5B:296:ASP:C	2.56	0.47
1:5D:412:LEU:HB2	1:5D:435:VAL:HB	1.97	0.47
1:5F:422:THR:CB	1:5F:427:LYS:CG	2.53	0.47
1:6C:397:THR:O	1:6C:397:THR:HG22	2.15	0.47
1:8A:444:GLY:C	2:8e:54:GLN:HB2	2.40	0.47
1:8C:252:ASP:O	1:8C:253:ALA:CB	2.63	0.47
1:8C:446:ALA:HA	2:8j:44:VAL:H	1.80	0.47
1:8D:355:SER:HB3	1:8D:356:PRO:HD3	1.96	0.47
1:8E:111:ASP:OD1	1:8E:111:ASP:C	2.58	0.47
1:8F:397:THR:OG1	1:8F:399:ASP:OD1	2.32	0.47
1:1G:448:ALA:HB3	2:1i:63:TRP:NE1	2.30	0.47
1:2F:245:GLU:OE1	1:2F:245:GLU:N	2.33	0.47
1:4G:355:SER:HB3	1:4G:356:PRO:CD	2.44	0.47
1:4L:408:GLU:OE1	1:4L:408:GLU:HA	2.14	0.47
1:5L:252:ASP:O	1:5L:253:ALA:CB	2.62	0.47
1:7I:36:VAL:N	1:7I:37:PRO:CD	2.78	0.47
1:8H:190:TYR:CD2	1:8H:190:TYR:C	2.93	0.47
1:8I:252:ASP:O	1:8I:253:ALA:HB3	2.14	0.47
1:8J:355:SER:HB3	1:8J:356:PRO:HD3	1.97	0.47
1:1R:19:ASP:OD1	1:1R:19:ASP:C	2.58	0.47
1:2K:355:SER:HB2	1:2K:356:PRO:HD2	1.96	0.47
1:2O:397:THR:HA	2:2n:107:LEU:HB2	1.96	0.47
1:5Q:443:SER:HA	2:5i:45:LYS:NZ	2.30	0.47
1:7K:30:ASP:OD1	1:7K:30:ASP:C	2.58	0.47
1:7M:392:THR:OG1	2:7k:46:ASP:OD2	2.29	0.47
1:8M:331:SER:OG	1:8M:332:VAL:N	2.47	0.47
1:8R:274:ASP:OD1	1:8R:274:ASP:C	2.57	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1S:94:GLY:HA2	1:1d:151:THR:HA	1.96	0.47
1:3S:95:ARG:O	1:3S:96:THR:HB	2.14	0.47
1:4S:140:TYR:CD1	1:4S:140:TYR:N	2.83	0.47
1:6T:231:ARG:HG3	1:6T:231:ARG:O	2.14	0.47
1:7P:428:LEU:HD23	1:7P:428:LEU:H	1.79	0.47
1:7Q:314:ASN:OD1	1:7Q:314:ASN:C	2.57	0.47
1:1c:16:GLU:N	1:1c:16:GLU:OE1	2.47	0.47
1:2Y:230:SER:OG	1:2Y:231:ARG:N	2.48	0.47
1:3Y:314:ASN:OD1	1:3Y:314:ASN:C	2.58	0.47
1:3c:200:ILE:HD13	1:3c:341:PHE:HB3	1.97	0.47
1:5Z:296:ASP:OD1	1:5Z:296:ASP:C	2.56	0.47
1:6a:355:SER:HB2	1:6a:356:PRO:CD	2.45	0.47
1:6d:355:SER:CB	1:6d:356:PRO:CD	2.92	0.47
1:7U:25:ARG:HH21	2:6w:53:THR:HA	1.80	0.47
1:8a:137:GLN:O	1:8a:137:GLN:HG3	2.15	0.47
2:1e:219:LYS:O	2:2Z:226:ILE:O	2.32	0.47
2:1f:41:TYR:CZ	2:1f:57:MET:SD	3.08	0.47
2:1g:228:ALA:C	2:3g:231:PRO:CG	2.87	0.47
2:1g:266:LEU:CD1	2:3g:265:ASP:C	2.86	0.47
2:1g:280:SER:N	2:3g:249:ALA:CA	2.78	0.47
2:2b:57:MET:CE	2:4e:111:VAL:CG1	2.93	0.47
2:3e:184:LEU:HD13	2:4e:175:PHE:HE1	1.79	0.47
2:4f:116:LYS:CA	2:4f:116:LYS:CE	2.85	0.47
2:5e:266:LEU:HD23	2:6g:265:ASP:CB	2.28	0.47
2:5f:63:TRP:CG	2:5f:112:ILE:HD11	2.50	0.47
2:6e:41:TYR:CZ	2:6e:57:MET:SD	3.08	0.47
2:6g:228:ALA:CA	2:7Z:223:ARG:HG2	2.45	0.47
2:6g:243:GLY:H	2:7Z:244:GLY:HA2	1.75	0.47
2:8e:148[A]:ILE:HG12	2:9F:144:ALA:HB1	1.97	0.47
2:8e:266:LEU:HD11	2:9F:266:LEU:C	2.36	0.47
2:1i:215:THR:H	2:1i:218:ASN:HD22	1.63	0.47
2:1j:228:ALA:HB1	2:3j:228:ALA:CA	2.34	0.47
2:1k:96:GLY:HA2	2:1k:112:ILE:O	2.15	0.47
2:2f:242:LEU:C	2:3j:244:GLY:CA	2.82	0.47
2:2g:246:LYS:CG	2:3i:239:THR:O	2.63	0.47
2:2i:132:GLY:HA3	2:1o:136:LEU:O	2.15	0.47
2:2i:258:ASP:C	2:3o:259:VAL:HG11	2.40	0.47
2:6i:280:SER:HA	2:7l:247:LYS:HE2	1.96	0.47
2:6k:63:TRP:CG	2:6k:112:ILE:HD11	2.50	0.47
2:8o:215:THR:H	2:8o:218:ASN:HD22	1.63	0.47
2:1m:59:PRO:O	2:2j:59:PRO:HG3	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:246:LYS:HG2	2:2j:240:THR:O	2.15	0.47
2:1p:76:ASN:ND2	2:1p:116:LYS:HG2	2.30	0.47
2:2j:120:ILE:HG13	2:1t:125:ILE:HA	1.97	0.47
2:2j:247:LYS:N	2:1t:239:THR:N	2.46	0.47
2:2m:173:LEU:HB3	2:3t:157:LEU:HD11	1.96	0.47
2:2m:226:ILE:CG2	2:3t:222:LEU:HD22	2.41	0.47
2:2m:240:THR:C	2:3t:246:LYS:HG2	2.38	0.47
2:2n:258:ASP:C	2:3s:259:VAL:HG11	2.40	0.47
2:4i:53:THR:HG1	2:4i:54:GLN:H	1.62	0.47
2:5i:243:GLY:O	2:6o:245:VAL:O	2.33	0.47
2:5i:267:ASN:CG	2:6o:254:SER:HB3	2.39	0.47
2:5j:163:THR:H	2:5j:166:ASN:ND2	2.09	0.47
2:6m:63:TRP:CG	2:6m:112:ILE:HD11	2.50	0.47
2:6m:114:ARG:HB2	2:7q:114:ARG:HD2	1.97	0.47
2:6n:242:LEU:HD21	2:5l:236:ALA:HA	1.97	0.47
2:6o:63:TRP:CG	2:6o:112:ILE:HD11	2.50	0.47
2:6o:200:LEU:CD2	2:7j:200:LEU:HD11	2.44	0.47
2:7m:219:LYS:HE3	2:8v:226:ILE:CA	2.45	0.47
2:7n:242:LEU:HD13	2:8r:234:LEU:HD23	1.97	0.47
2:8v:63:TRP:CG	2:8v:112:ILE:HD11	2.50	0.47
2:1s:131:THR:OG1	2:3s:140:THR:CA	2.63	0.47
2:1s:180:VAL:CG2	2:3s:186:ALA:HB2	2.45	0.47
2:1s:215:THR:H	2:1s:218:ASN:HD22	1.63	0.47
2:1t:63:TRP:CG	2:1t:112:ILE:HD11	2.50	0.47
2:2r:240:THR:C	2:3x:246:LYS:HG2	2.38	0.47
2:2r:242:LEU:CD1	2:3x:243:GLY:HA3	2.44	0.47
2:2s:132:GLY:HA3	2:1w:136:LEU:O	2.15	0.47
2:3q:269:LEU:CD2	2:4k:270:ILE:HG12	2.20	0.47
2:3r:163:THR:H	2:3r:166:ASN:ND2	2.09	0.47
2:5k:215:THR:H	2:5k:218:ASN:HD22	1.63	0.47
2:6q:226:ILE:HG22	2:7v:222:LEU:HD13	1.96	0.47
2:6s:41:TYR:CZ	2:6s:57:MET:SD	3.08	0.47
2:6s:63:TRP:CG	2:6s:112:ILE:HD11	2.50	0.47
2:6s:180:VAL:HG13	2:7o:184:LEU:HD23	1.96	0.47
2:6s:200:LEU:CD2	2:7o:200:LEU:HD11	2.44	0.47
2:6t:59:PRO:O	2:7r:59:PRO:HG3	2.15	0.47
2:6t:232:TYR:CD2	2:7r:232:TYR:CZ	3.03	0.47
2:8w:259:VAL:CG1	2:9I:258:ASP:C	2.80	0.47
2:8z:76:ASN:ND2	2:8z:116:LYS:HG2	2.30	0.47
2:8z:99:VAL:HA	2:9N:28:ILE:HD12	1.95	0.47
2:1v:247:LYS:N	2:3v:239:THR:CA	2.77	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:180:VAL:CG1	2:3w:184:LEU:HA	2.45	0.47
2:1w:215:THR:H	2:1w:218:ASN:HD22	1.63	0.47
2:1x:126:LYS:C	2:1x:126:LYS:CD	2.85	0.47
2:2u:163:THR:H	2:2u:166:ASN:ND2	2.09	0.47
2:2u:226:ILE:C	2:3v:223:ARG:HH11	2.22	0.47
2:2v:90:ASP:OD1	2:2v:90:ASP:C	2.57	0.47
2:2v:122:VAL:N	2:3u:127:ASP:OD1	2.45	0.47
2:2v:212:GLY:HA3	2:3u:203:ASN:CB	2.45	0.47
2:3v:96:GLY:HA2	2:3v:112:ILE:O	2.15	0.47
2:6u:76:ASN:ND2	2:6u:116:LYS:HG2	2.30	0.47
2:6u:250:ALA:HB2	2:9Q:280:SER:C	2.40	0.47
2:6u:254:SER:OG	2:9Q:263:VAL:HG22	2.14	0.47
2:6x:232:TYR:CD2	2:7w:232:TYR:CZ	3.03	0.47
2:6x:234:LEU:HD13	2:7w:234:LEU:CD1	2.45	0.47
2:9M:225:MET:CE	2:9J:212:GLY:CA	2.93	0.47
2:9O:96:GLY:HA2	2:9O:112:ILE:O	2.15	0.47
2:9P:76:ASN:ND2	2:9P:116:LYS:HG2	2.30	0.47
2:9R:76:ASN:ND2	2:9R:116:LYS:HG2	2.30	0.47
1:1C:94:GLY:O	1:1C:96:THR:N	2.48	0.47
1:1C:200:ILE:HG22	1:1C:216:LYS:HD2	1.97	0.47
1:2E:355:SER:HB2	1:2E:356:PRO:HD3	1.97	0.47
1:5B:36:VAL:N	1:5B:37:PRO:HD2	2.30	0.47
1:6C:402:LEU:HD23	1:6C:402:LEU:C	2.40	0.47
1:6D:252:ASP:O	1:6D:253:ALA:CB	2.63	0.47
1:8C:331:SER:OG	1:8C:332:VAL:N	2.47	0.47
1:4K:419:ASP:OD1	1:4K:419:ASP:C	2.57	0.47
1:4L:355:SER:CB	1:4L:356:PRO:HD3	2.45	0.47
1:6H:397:THR:HG22	1:6H:397:THR:O	2.15	0.47
1:7F:205:SER:OG	1:7F:206:SER:N	2.46	0.47
1:7H:394:THR:H	2:7f:16:TYR:HE1	1.62	0.47
1:7H:448:ALA:C	2:7f:60:LEU:CD1	2.86	0.47
1:1P:245:GLU:OE1	1:1P:245:GLU:N	2.32	0.47
1:2K:19:ASP:OD1	1:2K:19:ASP:C	2.58	0.47
1:2O:363:GLN:HG2	1:2O:439:PRO:HA	1.97	0.47
1:2O:447:GLN:N	2:2n:42:VAL:O	2.48	0.47
1:3O:438:ARG:HH11	1:3O:438:ARG:CG	2.28	0.47
1:4N:190:TYR:CD2	1:4N:190:TYR:C	2.92	0.47
1:4N:387:VAL:O	1:4N:387:VAL:CG2	2.43	0.47
1:5R:252:ASP:O	1:5R:253:ALA:CB	2.62	0.47
1:5R:424:ASP:HB3	1:5R:427:LYS:HE2	1.96	0.47
1:6R:286:ALA:O	1:6R:287:SER:CB	2.63	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8M:156:TRP:O	1:8M:158:ASN:N	2.48	0.47
1:8P:355:SER:HB3	1:8P:356:PRO:HD3	1.96	0.47
1:2Q:394:THR:HA	2:2q:16:TYR:HE1	1.80	0.47
1:2Q:395:ALA:O	2:2q:107:LEU:CD1	2.62	0.47
1:4X:355:SER:CB	1:4X:356:PRO:HD3	2.45	0.47
1:6V:16:GLU:OE1	1:6V:16:GLU:N	2.44	0.47
1:6X:286:ALA:O	1:6X:287:SER:CB	2.63	0.47
1:7S:28:GLN:NE2	2:6m:52:LEU:HD13	2.29	0.47
1:7T:331:SER:OG	1:7T:332:VAL:N	2.45	0.47
1:1a:443:SER:OG	1:1a:444:GLY:N	2.48	0.47
1:2U:448:ALA:C	2:2w:60:LEU:HD12	2.40	0.47
1:3a:245:GLU:OE1	1:3a:245:GLU:N	2.34	0.47
1:3d:443:SER:O	2:3u:56:ASN:ND2	2.48	0.47
1:4c:444:GLY:HA2	2:4m:45:LYS:HZ1	1.80	0.47
1:4d:110:TYR:O	1:4d:111:ASP:HB2	2.15	0.47
1:5c:444:GLY:O	2:5m:45:LYS:HD2	2.15	0.47
1:7Y:356:PRO:HG2	1:7Y:369:PHE:CD2	2.50	0.47
1:8c:36:VAL:N	1:8c:37:PRO:HD2	2.29	0.47
2:1e:59:PRO:O	2:2Z:59:PRO:HG3	2.15	0.47
2:1f:63:TRP:CG	2:1f:112:ILE:HD11	2.50	0.47
2:1g:180:VAL:CG2	2:3g:186:ALA:HB2	2.45	0.47
2:2Z:214:PRO:CD	2:1l:225:MET:HG2	2.42	0.47
2:2a:238:THR:CA	2:3f:247:LYS:HB2	2.45	0.47
2:2b:200:LEU:HD12	2:3e:200:LEU:HD22	1.96	0.47
2:2d:266:LEU:N	2:3k:266:LEU:CD2	2.77	0.47
2:3e:63:TRP:CG	2:3e:112:ILE:HD11	2.50	0.47
2:3e:234:LEU:HD21	2:4e:243:GLY:CA	2.43	0.47
2:3f:163:THR:H	2:3f:166:ASN:ND2	2.09	0.47
2:3g:76:ASN:ND2	2:3g:116:LYS:HG2	2.30	0.47
2:3g:266:LEU:CD2	2:2x:266:LEU:N	2.77	0.47
2:4f:97:TYR:OH	2:3l:41:TYR:CE1	2.68	0.47
2:5e:270:ILE:CG1	2:6g:251:VAL:CG2	2.93	0.47
2:6f:234:LEU:CD2	2:7f:242:LEU:C	2.88	0.47
2:6h:234:LEU:HD21	2:7c:243:GLY:HA2	1.97	0.47
2:7d:163:THR:H	2:7d:166:ASN:ND2	2.09	0.47
2:8e:63:TRP:CG	2:8e:112:ILE:HD11	2.50	0.47
2:8e:256:ALA:HB3	2:9O:263:VAL:CG2	2.44	0.47
2:8g:215:THR:H	2:8g:218:ASN:HD22	1.63	0.47
2:1j:63:TRP:CG	2:1j:112:ILE:HD11	2.50	0.47
2:1k:273:LEU:CD2	2:3k:273:LEU:HD21	2.42	0.47
2:2f:129:GLY:HA3	2:3j:138:ILE:O	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2f:240:THR:HA	2:3j:246:LYS:CG	2.45	0.47
2:2f:279:ILE:HG22	2:3j:273:LEU:HD21	1.96	0.47
2:2g:57:MET:CE	2:4g:111:VAL:CG1	2.93	0.47
2:2h:201:VAL:HG22	2:3p:197:GLN:HG2	1.96	0.47
2:2i:136:LEU:HD12	2:3o:132:GLY:C	2.40	0.47
2:3k:63:TRP:CG	2:3k:112:ILE:HD11	2.50	0.47
2:3l:77:LEU:HD11	2:3l:98:ALA:HB2	1.95	0.47
2:3l:96:GLY:HA2	2:3l:112:ILE:O	2.15	0.47
2:4g:96:GLY:HA2	2:4g:112:ILE:O	2.15	0.47
2:5g:183:PHE:CE2	2:6k:183:PHE:CE2	3.03	0.47
2:5g:229:GLY:HA2	2:6k:231:PRO:HG3	1.95	0.47
2:5h:63:TRP:CG	2:5h:112:ILE:HD11	2.50	0.47
2:6i:124:ASP:O	2:7l:119:SER:CA	2.61	0.47
2:6i:226:ILE:HG22	2:7l:222:LEU:HD13	1.96	0.47
2:6j:234:LEU:CD2	2:7k:242:LEU:C	2.88	0.47
2:6k:201:VAL:C	2:7e:193:LYS:HD3	2.39	0.47
2:7h:245:VAL:O	2:8p:243:GLY:O	2.33	0.47
2:8k:209:LEU:HD22	2:9G:209:LEU:HD21	1.86	0.47
2:1n:63:TRP:CG	2:1n:112:ILE:HD11	2.50	0.47
2:1n:76:ASN:ND2	2:1n:116:LYS:HG2	2.30	0.47
2:1o:180:VAL:CG2	2:3o:186:ALA:HB2	2.45	0.47
2:2k:280:SER:OG	2:3n:247:LYS:CE	2.60	0.47
2:2n:244:GLY:HA3	2:3s:243:GLY:C	2.39	0.47
2:2n:266:LEU:HA	2:3s:266:LEU:HD11	1.96	0.47
2:3m:247:LYS:N	2:4i:238:THR:C	2.58	0.47
2:3n:97:TYR:OH	2:3n:111:VAL:HB	2.15	0.47
2:4i:96:GLY:HA2	2:4i:112:ILE:O	2.15	0.47
2:5i:215:THR:H	2:5i:218:ASN:HD22	1.63	0.47
2:6m:23:GLN:HE22	2:7q:75:ASP:HA	1.80	0.47
2:6m:258:ASP:N	2:8u:259:VAL:CB	2.61	0.47
2:6n:96:GLY:HA2	2:6n:112:ILE:O	2.15	0.47
2:6n:234:LEU:CD2	2:7p:242:LEU:C	2.88	0.47
2:7m:120:ILE:HG12	2:8v:120:ILE:HD13	1.95	0.47
2:8t:63:TRP:CG	2:8t:112:ILE:HD11	2.50	0.47
2:8t:126:LYS:C	2:8t:126:LYS:CD	2.86	0.47
2:8v:76:ASN:ND2	2:8v:116:LYS:HG2	2.30	0.47
2:1q:183:PHE:CD1	2:2o:199:LEU:HB3	2.50	0.47
2:2q:212:GLY:HA3	2:3q:203:ASN:CB	2.45	0.47
2:2s:230:VAL:C	2:3w:229:GLY:HA3	2.40	0.47
2:4l:63:TRP:CG	2:4l:112:ILE:HD11	2.50	0.47
2:5k:223:ARG:CD	2:7o:226:ILE:O	2.62	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5k:245:VAL:CG1	2:6s:245:VAL:CG2	2.93	0.47
2:5l:41:TYR:CZ	2:5l:57:MET:SD	3.08	0.47
2:6r:234:LEU:CD2	2:7u:242:LEU:C	2.88	0.47
2:6s:240:THR:HA	2:7o:246:LYS:CE	2.45	0.47
2:7r:219:LYS:HE3	2:9L:226:ILE:CA	2.45	0.47
2:8w:226:ILE:HB	2:9I:219:LYS:HG2	1.94	0.47
2:8z:63:TRP:CG	2:8z:112:ILE:HD11	2.50	0.47
2:1u:219:LYS:O	2:2t:226:ILE:O	2.32	0.47
2:1w:96:GLY:HA2	2:1w:112:ILE:O	2.15	0.47
2:3u:232:TYR:HE2	2:4m:232:TYR:CZ	2.27	0.47
2:3w:41:TYR:CZ	2:3w:57:MET:SD	3.08	0.47
2:6x:279:ILE:HG22	2:9R:248:GLY:HA3	1.96	0.47
1:3A:111:ASP:O	1:3A:112:ALA:CB	2.63	0.47
1:4A:355:SER:HB3	1:4A:356:PRO:CD	2.44	0.47
1:5F:424:ASP:HB3	1:5F:427:LYS:HE2	1.96	0.47
1:6C:235:SER:O	1:6C:236:MET:HB2	2.14	0.47
1:7D:36:VAL:N	1:7D:37:PRO:CD	2.78	0.47
1:8A:54:ASN:OD1	1:8A:54:ASN:C	2.57	0.47
1:1H:316:ARG:HD3	1:1Q:323:TYR:CE1	2.50	0.47
1:1K:16:GLU:OE1	1:1K:16:GLU:N	2.47	0.47
1:2G:397:THR:HG22	2:2g:107:LEU:HB2	1.96	0.47
1:2J:230:SER:OG	1:2J:231:ARG:N	2.48	0.47
1:3H:283:ASP:OD2	1:3H:283:ASP:C	2.57	0.47
1:6I:397:THR:HG22	1:6I:397:THR:O	2.15	0.47
1:6K:7:ASP:OD1	1:6K:7:ASP:C	2.57	0.47
1:9B:407:ASN:ND2	2:9G:46:ASP:O	2.49	0.47
1:2L:448:ALA:CB	2:2l:63:TRP:HZ2	2.28	0.47
1:5M:204:THR:OG1	1:5M:205:SER:N	2.45	0.47
1:5P:412:LEU:HB2	1:5P:435:VAL:HB	1.97	0.47
1:6N:397:THR:O	1:6N:397:THR:HG22	2.15	0.47
1:7L:447:GLN:O	2:7l:42:VAL:HG12	2.15	0.47
1:7M:394:THR:N	2:7k:16:TYR:CE1	2.77	0.47
1:7O:26:ASN:OD1	2:5j:51:ASP:OD1	2.32	0.47
1:7O:355:SER:HB3	1:7O:356:PRO:HD3	1.97	0.47
1:6U:400:GLY:O	1:6U:401:LEU:HB2	2.13	0.47
1:7P:266:LYS:O	1:7P:266:LYS:HG2	2.11	0.47
1:8T:190:TYR:CD2	1:8T:190:TYR:C	2.93	0.47
1:8U:137:GLN:O	1:8U:137:GLN:HG3	2.15	0.47
1:8U:362:LYS:HA	1:8U:438:ARG:HB3	1.97	0.47
1:5Z:124:MET:N	1:5Z:124:MET:SD	2.88	0.47
1:6a:402:LEU:HD23	1:6a:402:LEU:C	2.40	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8a:252:ASP:O	1:8a:253:ALA:CB	2.63	0.47
2:1e:96:GLY:HA2	2:1e:112:ILE:O	2.15	0.47
2:1h:125:ILE:HA	2:2t:120:ILE:HG13	1.97	0.47
2:1h:138:ILE:O	2:1u:129:GLY:HA3	2.15	0.47
2:2Z:219:LYS:C	2:1l:226:ILE:O	2.59	0.47
2:2b:57:MET:HE2	2:4e:111:VAL:CG1	2.45	0.47
2:3g:259:VAL:HG11	2:2x:258:ASP:C	2.40	0.47
2:3h:28:ILE:HB	2:4n:73:VAL:CG1	2.45	0.47
2:4f:76:ASN:ND2	2:4f:116:LYS:HG2	2.30	0.47
2:5e:277:GLY:C	2:6g:247:LYS:HG3	2.34	0.47
2:6e:114:ARG:HB2	2:7g:114:ARG:HD2	1.97	0.47
2:8e:120:ILE:HD11	2:9O:120:ILE:HD12	1.96	0.47
2:8h:62:ALA:HA	2:8h:112:ILE:HD12	1.97	0.47
2:8h:126:LYS:C	2:8h:126:LYS:CD	2.86	0.47
2:8j:63:TRP:CG	2:8j:112:ILE:HD11	2.50	0.47
2:9F:226:ILE:C	2:9O:219:LYS:O	2.54	0.47
2:1j:238:THR:C	2:2f:247:LYS:HB2	2.40	0.47
2:1k:118:ILE:CD1	2:1k:118:ILE:N	2.73	0.47
2:1k:131:THR:OG1	2:3k:140:THR:CA	2.63	0.47
2:2f:127:ASP:CG	2:3j:122:VAL:HG23	2.39	0.47
2:4g:163:THR:H	2:4g:166:ASN:ND2	2.09	0.47
2:4h:41:TYR:CZ	2:4h:57:MET:SD	3.08	0.47
2:6i:63:TRP:CG	2:6i:112:ILE:HD11	2.50	0.47
2:6i:114:ARG:HB2	2:7l:114:ARG:HD2	1.97	0.47
2:6i:254:SER:O	2:8o:263:VAL:HG13	1.87	0.47
2:6k:228:ALA:CA	2:7e:223:ARG:HG2	2.45	0.47
2:6l:96:GLY:HA2	2:6l:112:ILE:O	2.15	0.47
2:7h:219:LYS:HE3	2:8p:226:ILE:CA	2.45	0.47
2:8k:279:ILE:HD11	2:9G:269:LEU:CD1	2.45	0.47
2:8l:215:THR:H	2:8l:218:ASN:HD22	1.63	0.47
2:8n:76:ASN:ND2	2:8n:116:LYS:HG2	2.30	0.47
2:1m:222:LEU:CB	2:2j:226:ILE:HB	2.44	0.47
2:1n:242:LEU:C	2:2k:234:LEU:CD2	2.88	0.47
2:1n:247:LYS:CB	2:3n:238:THR:O	2.53	0.47
2:2l:57:MET:HE2	2:4i:111:VAL:CG1	2.45	0.47
2:2n:183:PHE:CE1	2:3s:196:LEU:HD22	2.49	0.47
2:5i:277:GLY:C	2:6o:247:LYS:HG3	2.34	0.47
2:6n:215:THR:H	2:6n:218:ASN:HD22	1.63	0.47
2:6p:232:TYR:CD2	2:7m:232:TYR:CZ	3.03	0.47
2:8s:163:THR:H	2:8s:166:ASN:ND2	2.09	0.47
2:8s:223:ARG:HD2	2:9I:228:ALA:HA	1.21	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8v:62:ALA:HA	2:8v:112:ILE:HD12	1.98	0.47
2:1r:62:ALA:HA	2:1r:112:ILE:HD12	1.97	0.47
2:1s:237:ALA:CB	2:3s:245:VAL:O	2.54	0.47
2:2o:210:LEU:CD2	2:1x:206:VAL:HG11	2.43	0.47
2:2p:200:LEU:CD2	2:3r:200:LEU:HD12	2.10	0.47
2:2q:219:LYS:HG2	2:3q:226:ILE:HA	1.96	0.47
2:2s:231:PRO:CG	2:3w:229:GLY:CA	2.93	0.47
2:3s:116:LYS:CA	2:3s:116:LYS:CE	2.85	0.47
2:3t:96:GLY:HA2	2:3t:112:ILE:O	2.15	0.47
2:4l:73:VAL:CG1	2:3x:28:ILE:HB	2.45	0.47
2:5k:118:ILE:CD1	2:7o:118:ILE:HD11	2.44	0.47
2:6q:63:TRP:CG	2:6q:112:ILE:HD11	2.50	0.47
2:6r:200:LEU:HD12	2:7u:200:LEU:HD22	1.95	0.47
2:6t:148[B]:ILE:HD12	2:9L:148[B]:ILE:HD11	1.96	0.47
2:7s:163:THR:H	2:7s:166:ASN:ND2	2.09	0.47
2:8w:174:LEU:CD1	2:9I:174:LEU:HD11	2.45	0.47
2:8w:232:TYR:HB3	2:9I:232:TYR:HB2	1.88	0.47
2:8x:215:THR:H	2:8x:218:ASN:HD22	1.63	0.47
2:8y:270:ILE:HG21	2:9M:253:ALA:N	2.30	0.47
2:1v:63:TRP:CG	2:1v:112:ILE:HD11	2.50	0.47
2:1v:76:ASN:ND2	2:1v:116:LYS:HG2	2.30	0.47
2:2u:238:THR:CA	2:3v:247:LYS:HB2	2.45	0.47
2:2v:175:PHE:CZ	2:3u:175:PHE:HZ	2.33	0.47
2:2v:246:LYS:CG	2:3u:239:THR:O	2.63	0.47
2:3u:41:TYR:CZ	2:3u:57:MET:SD	3.08	0.47
2:3u:63:TRP:CG	2:3u:112:ILE:HD11	2.50	0.47
2:5n:41:TYR:CZ	2:5n:57:MET:SD	3.08	0.47
2:6w:62:ALA:HA	2:6w:112:ILE:HD12	1.98	0.47
2:9M:41:TYR:CZ	2:9M:57:MET:SD	3.08	0.47
2:9M:62:ALA:HA	2:9M:112:ILE:HD12	1.97	0.47
2:9M:148[A]:ILE:HG12	2:9J:144:ALA:HB1	1.97	0.47
2:9M:259:VAL:HG13	2:9J:259:VAL:CA	2.00	0.47
2:9P:63:TRP:CG	2:9P:112:ILE:HD11	2.50	0.47
1:1A:447:GLN:HE21	2:1e:56:ASN:HD22	1.63	0.46
1:1C:252:ASP:OD1	1:1C:252:ASP:C	2.57	0.46
1:3C:442:ALA:C	2:3h:45:LYS:HZ3	2.08	0.46
1:4F:397:THR:O	1:4F:397:THR:CG2	2.62	0.46
1:5B:124:MET:N	1:5B:124:MET:SD	2.88	0.46
1:5C:59:ASN:ND2	1:4a:151:THR:OG1	2.48	0.46
1:6B:205:SER:OG	1:6B:206:SER:N	2.44	0.46
1:6D:317:GLY:O	1:6D:319:TYR:N	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8G:156:TRP:O	1:8G:158:ASN:N	2.48	0.46
1:8G:448:ALA:CB	2:8k:57:MET:HA	2.41	0.46
1:1M:442:ALA:HB3	2:1m:45:LYS:HE2	1.96	0.46
1:1N:316:ARG:HD3	1:1W:323:TYR:CE1	2.51	0.46
1:2M:403:SER:O	2:2k:16:TYR:OH	2.29	0.46
1:3N:170:ILE:O	1:3N:171:TYR:CB	2.63	0.46
1:3N:228:GLN:OE1	1:3N:228:GLN:N	2.32	0.46
1:5O:252:ASP:OD1	1:5O:252:ASP:C	2.57	0.46
1:5O:405:SER:OG	1:5O:406:GLY:N	2.47	0.46
1:8O:392:THR:CG2	2:8v:107:LEU:HD21	2.45	0.46
1:1T:445:GLY:HA2	2:1r:45:LYS:CG	2.41	0.46
1:2Q:37:PRO:O	1:2Q:38:LEU:CB	2.63	0.46
1:3T:170:ILE:O	1:3T:171:TYR:HB2	2.14	0.46
1:4U:217:MET:C	1:4U:217:MET:SD	2.98	0.46
1:4U:355:SER:O	1:4U:356:PRO:C	2.58	0.46
1:4X:358:ILE:O	1:4X:358:ILE:CG2	2.63	0.46
1:5T:124:MET:SD	1:5T:124:MET:N	2.88	0.46
1:8S:217:MET:HE3	1:8S:217:MET:HB3	1.69	0.46
1:9D:111:ASP:OD1	1:9D:111:ASP:C	2.58	0.46
1:1c:118:LYS:O	1:1c:120:PHE:N	2.48	0.46
1:2W:405:SER:O	2:2u:44:VAL:O	2.31	0.46
1:2Y:355:SER:HB2	1:2Y:356:PRO:HD3	1.97	0.46
1:3c:200:ILE:CD1	1:3c:213:PHE:CD1	2.95	0.46
1:3d:30:ASP:O	1:3d:31:ASN:HB2	2.14	0.46
1:4Z:355:SER:HB3	1:4Z:356:PRO:HD3	1.96	0.46
1:4d:358:ILE:O	1:4d:358:ILE:CG2	2.63	0.46
1:8a:130:LEU:HD12	1:8a:130:LEU:C	2.39	0.46
1:8a:362:LYS:HA	1:8a:438:ARG:HB3	1.97	0.46
1:8c:145:GLN:HG2	1:8c:319:TYR:HB3	1.97	0.46
2:1f:226:ILE:HG22	2:2a:222:LEU:CD1	2.44	0.46
2:1g:258:ASP:N	2:2x:259:VAL:HG11	2.30	0.46
2:1h:62:ALA:HA	2:1h:112:ILE:HD12	1.98	0.46
2:2Z:236:ALA:HA	2:1l:242:LEU:CD1	2.44	0.46
2:2a:129:GLY:HA3	2:3f:138:ILE:O	2.14	0.46
2:2b:246:LYS:CG	2:3e:239:THR:O	2.63	0.46
2:2c:90:ASP:OD1	2:2c:90:ASP:C	2.56	0.46
2:2d:132:GLY:HA3	2:1k:136:LEU:O	2.15	0.46
2:2d:158[A]:ILE:HA	2:3k:154:ALA:CB	2.44	0.46
2:2d:258:ASP:C	2:3k:259:VAL:HG11	2.40	0.46
2:3f:97:TYR:OH	2:3f:111:VAL:HB	2.15	0.46
2:3h:157:LEU:HD11	2:2w:173:LEU:HB3	1.96	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4e:118:ILE:CD1	2:4e:118:ILE:N	2.73	0.46
2:5e:183:PHE:CE2	2:6g:183:PHE:CE2	3.03	0.46
2:5f:76:ASN:ND2	2:5f:116:LYS:HG2	2.30	0.46
2:5f:116:LYS:CA	2:5f:116:LYS:CE	2.85	0.46
2:6e:280:SER:HA	2:7g:247:LYS:HE2	1.96	0.46
2:6g:199:LEU:HD12	2:7Z:183:PHE:CE1	2.51	0.46
2:6g:239:THR:CG2	2:7Z:247:LYS:CB	2.72	0.46
2:6g:240:THR:HA	2:7Z:246:LYS:CE	2.45	0.46
2:6h:278:ILE:O	2:8j:248:GLY:N	2.38	0.46
2:7c:135:LEU:O	2:8j:132:GLY:HA2	2.15	0.46
2:7c:219:LYS:HE3	2:8j:226:ILE:CA	2.45	0.46
2:8e:139:ASN:HA	2:9O:129:GLY:CA	2.45	0.46
2:8f:118:ILE:CD1	2:8f:118:ILE:N	2.73	0.46
2:8i:215:THR:H	2:8i:218:ASN:HD22	1.63	0.46
2:9F:239:THR:CG2	2:9O:247:LYS:HG2	2.40	0.46
2:1i:96:GLY:HA2	2:1i:112:ILE:O	2.15	0.46
2:1l:63:TRP:CG	2:1l:112:ILE:HD11	2.50	0.46
2:2f:163:THR:H	2:2f:166:ASN:ND2	2.09	0.46
2:2i:90:ASP:OD1	2:2i:90:ASP:C	2.56	0.46
2:2i:231:PRO:CG	2:3o:229:GLY:CA	2.93	0.46
2:3i:184:LEU:HD13	2:4g:175:PHE:HE1	1.79	0.46
2:3j:77:LEU:HD11	2:3j:98:ALA:HB2	1.95	0.46
2:3j:96:GLY:HA2	2:3j:112:ILE:O	2.15	0.46
2:4h:63:TRP:CG	2:4h:112:ILE:HD11	2.50	0.46
2:6i:62:ALA:HA	2:6i:112:ILE:HD12	1.98	0.46
2:6i:139:ASN:HA	2:8o:130:ASP:N	2.30	0.46
2:6j:111:VAL:HG13	2:7k:57:MET:CE	2.45	0.46
2:6k:199:LEU:HD12	2:7e:183:PHE:CE1	2.50	0.46
2:7h:254:SER:CA	2:8p:267:ASN:OD1	2.61	0.46
2:8k:200:LEU:N	2:9G:193:LYS:HG2	2.26	0.46
2:1o:281:LEU:CA	2:3o:250:ALA:HB1	2.44	0.46
2:2j:163:THR:H	2:2j:166:ASN:ND2	2.09	0.46
2:2l:212:GLY:HA3	2:3m:203:ASN:CB	2.45	0.46
2:2n:230:VAL:C	2:3s:229:GLY:HA3	2.40	0.46
2:3m:63:TRP:CG	2:3m:112:ILE:HD11	2.50	0.46
2:3m:259:VAL:CG2	2:4i:259:VAL:HG22	2.42	0.46
2:3p:96:GLY:HA2	2:3p:112:ILE:O	2.15	0.46
2:5i:270:ILE:CG1	2:6o:251:VAL:CG2	2.93	0.46
2:5j:126:LYS:C	2:5j:126:LYS:CD	2.85	0.46
2:6n:38:ILE:HD11	2:6n:114:ARG:CZ	2.35	0.46
2:6p:158[A]:ILE:HD11	2:8v:158[A]:ILE:HG12	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6p:279:ILE:HG22	2:8v:248:GLY:HA3	1.96	0.46
2:7m:139:ASN:HA	2:8v:130:ASP:N	2.30	0.46
2:8q:245:VAL:HG13	2:9H:245:VAL:N	2.31	0.46
2:8t:41:TYR:CZ	2:8t:57:MET:SD	3.08	0.46
2:2o:247:LYS:HE2	2:1x:280:SER:OG	2.14	0.46
2:2p:279:ILE:HG22	2:3r:273:LEU:HD21	1.97	0.46
2:3q:126:LYS:C	2:3q:126:LYS:CD	2.85	0.46
2:3s:62:ALA:HA	2:3s:112:ILE:HD12	1.98	0.46
2:3s:126:LYS:C	2:3s:126:LYS:CD	2.85	0.46
2:3t:97:TYR:CZ	2:3t:111:VAL:CB	2.82	0.46
2:5k:97:TYR:CZ	2:5k:111:VAL:CB	2.82	0.46
2:6t:188:THR:OG1	2:7r:199:LEU:O	2.30	0.46
2:6t:263:VAL:HG13	2:9L:254:SER:OG	2.16	0.46
2:7q:90:ASP:OD1	2:7q:90:ASP:C	2.56	0.46
2:7r:61:ALA:HB2	2:9L:59:PRO:HD3	1.96	0.46
2:7r:184:LEU:HB3	2:9L:175:PHE:CE1	2.51	0.46
2:8w:148[A]:ILE:HG12	2:9I:144:ALA:HB1	1.97	0.46
2:8w:180:VAL:HG21	2:9I:183:PHE:O	2.14	0.46
2:9K:111:VAL:HG13	2:7v:57:MET:HE2	1.97	0.46
2:9L:76:ASN:ND2	2:9L:116:LYS:HG2	2.30	0.46
2:1u:183:PHE:CD1	2:2t:199:LEU:HB3	2.50	0.46
2:1w:266:LEU:CD1	2:3w:265:ASP:C	2.86	0.46
2:2u:127:ASP:CG	2:3v:122:VAL:H	2.22	0.46
2:6w:226:ILE:CA	2:7t:219:LYS:HA	2.44	0.46
2:6w:228:ALA:N	2:7t:223:ARG:CD	2.64	0.46
2:7w:158[B]:ILE:HD11	2:9R:158[B]:ILE:HD11	1.97	0.46
1:1E:314:ASN:OD1	1:1E:314:ASN:C	2.58	0.46
1:2C:314:ASN:OD1	1:2C:314:ASN:C	2.58	0.46
1:4D:30:ASP:OD1	1:4D:30:ASP:C	2.59	0.46
1:6C:355:SER:HB2	1:6C:356:PRO:CD	2.45	0.46
1:1I:36:VAL:N	1:1I:37:PRO:CD	2.79	0.46
1:2G:111:ASP:OD1	1:2G:111:ASP:C	2.58	0.46
1:3H:228:GLN:OE1	1:3H:228:GLN:N	2.32	0.46
1:4I:355:SER:O	1:4I:356:PRO:C	2.58	0.46
1:4K:199:LYS:HG2	1:4K:202:GLU:CG	2.39	0.46
1:4L:6:ASN:OD1	1:4L:6:ASN:C	2.58	0.46
1:5I:252:ASP:O	1:5I:253:ALA:CB	2.63	0.46
1:6G:447:GLN:CD	2:6I:56:ASN:CB	2.87	0.46
1:6I:245:GLU:OE1	1:6I:245:GLU:N	2.31	0.46
1:6I:402:LEU:HD23	1:6I:402:LEU:C	2.40	0.46
1:6J:317:GLY:O	1:6J:319:TYR:N	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6L:286:ALA:O	1:6L:287:SER:CB	2.63	0.46
1:6L:447:GLN:C	2:6i:56:ASN:CB	2.76	0.46
1:2L:37:PRO:O	1:2L:38:LEU:CB	2.63	0.46
1:2M:28:GLN:NE2	2:4j:27:ILE:HD12	2.27	0.46
1:2O:230:SER:OG	1:2O:231:ARG:N	2.48	0.46
1:3P:20:ILE:O	1:3P:22:ASN:N	2.49	0.46
1:3P:64:SER:OG	1:3P:65:LEU:N	2.49	0.46
1:4M:355:SER:HB3	1:4M:356:PRO:CD	2.44	0.46
1:5Q:7:ASP:O	1:5Q:9:LYS:N	2.48	0.46
1:5Q:199:LYS:HG3	1:5Q:199:LYS:O	2.16	0.46
1:6N:444:GLY:HA2	2:6o:44:VAL:HG21	1.96	0.46
1:7K:447:GLN:O	2:7n:42:VAL:HG12	2.16	0.46
1:9C:407:ASN:HB3	2:9H:45:LYS:HG3	1.96	0.46
1:1T:275:PHE:CD2	1:1T:275:PHE:N	2.81	0.46
1:1U:94:GLY:O	1:1U:96:THR:N	2.48	0.46
1:1U:200:ILE:HG22	1:1U:216:LYS:HD2	1.97	0.46
1:1X:30:ASP:OD1	1:1X:30:ASP:C	2.57	0.46
1:2P:355:SER:HB2	1:2P:356:PRO:HD2	1.96	0.46
1:2Q:447:GLN:O	2:2q:42:VAL:HG12	2.15	0.46
1:2R:245:GLU:OE1	1:2R:245:GLU:N	2.38	0.46
1:2T:91:ILE:O	1:2T:91:ILE:HG22	2.15	0.46
1:3T:41:ALA:O	1:3T:42:ASN:HB2	2.14	0.46
1:3W:200:ILE:HD13	1:3W:341:PHE:HB3	1.97	0.46
1:4T:380:ASP:C	1:4T:380:ASP:OD1	2.57	0.46
1:4X:245:GLU:OE1	1:4X:245:GLU:N	2.27	0.46
1:7P:111:ASP:OD1	1:7P:111:ASP:C	2.56	0.46
1:8U:331:SER:OG	1:8U:332:VAL:N	2.47	0.46
1:1a:94:GLY:O	1:1a:96:THR:N	2.48	0.46
1:2V:37:PRO:O	1:2V:38:LEU:CB	2.63	0.46
1:3Z:170:ILE:O	1:3Z:171:TYR:CB	2.63	0.46
1:5c:7:ASP:O	1:5c:9:LYS:N	2.48	0.46
1:6Y:331:SER:OG	1:6Y:332:VAL:N	2.46	0.46
1:6b:230:SER:HG	1:6b:233:TRP:CD1	2.33	0.46
1:6d:286:ALA:O	1:6d:287:SER:CB	2.63	0.46
1:6d:448:ALA:HB3	2:6u:60:LEU:HG	1.96	0.46
1:8Y:399:ASP:OD1	1:8Y:399:ASP:C	2.57	0.46
2:1f:76:ASN:ND2	2:1f:116:LYS:HG2	2.30	0.46
2:2b:163:THR:H	2:2b:166:ASN:ND2	2.09	0.46
2:3f:96:GLY:HA2	2:3f:112:ILE:O	2.15	0.46
2:3g:215:THR:H	2:3g:218:ASN:HD22	1.64	0.46
2:5e:243:GLY:O	2:6g:245:VAL:O	2.33	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:270:ILE:HG23	2:6g:251:VAL:CG2	2.36	0.46
2:6e:215:THR:H	2:6e:218:ASN:HD22	1.64	0.46
2:6e:246:LYS:CG	2:8i:242:LEU:CD2	2.76	0.46
2:6g:63:TRP:CG	2:6g:112:ILE:HD11	2.50	0.46
2:7a:57:MET:CE	2:6v:111:VAL:HG13	2.45	0.46
2:8e:158[A]:ILE:HG12	2:9O:158[A]:ILE:HD11	1.98	0.46
2:8e:175:PHE:CZ	2:9F:175:PHE:CE2	2.99	0.46
2:8f:96:GLY:HA2	2:8f:112:ILE:O	2.15	0.46
2:8h:251:VAL:HG13	2:8l:279:ILE:CD1	2.42	0.46
2:8i:96:GLY:HA2	2:8i:112:ILE:O	2.15	0.46
2:8j:62:ALA:HA	2:8j:112:ILE:HD12	1.98	0.46
2:8j:76:ASN:ND2	2:8j:116:LYS:HG2	2.30	0.46
2:9F:242:LEU:HB2	2:9O:234:LEU:HD23	1.95	0.46
2:1i:120:ILE:HD13	2:2e:120:ILE:HD13	1.86	0.46
2:2g:215:THR:H	2:2g:218:ASN:HD22	1.64	0.46
2:2g:228:ALA:C	2:4g:229:GLY:O	2.57	0.46
2:2h:160:GLY:HA2	2:4h:173:LEU:HD13	1.98	0.46
2:2i:259:VAL:HG11	2:1o:258:ASP:N	2.31	0.46
2:3i:62:ALA:HA	2:3i:112:ILE:HD12	1.97	0.46
2:5g:243:GLY:O	2:6k:245:VAL:O	2.33	0.46
2:7h:120:ILE:HG12	2:8p:120:ILE:HD13	1.95	0.46
2:8k:63:TRP:CG	2:8k:112:ILE:HD11	2.50	0.46
2:8m:38:ILE:HD11	2:8m:114:ARG:HH22	1.73	0.46
2:8m:96:GLY:HA2	2:8m:112:ILE:O	2.15	0.46
2:1m:96:GLY:HA2	2:1m:112:ILE:O	2.15	0.46
2:1m:244:GLY:CA	2:2j:242:LEU:CA	2.67	0.46
2:1n:215:THR:H	2:1n:218:ASN:HD22	1.64	0.46
2:1p:63:TRP:CG	2:1p:112:ILE:HD11	2.50	0.46
2:2n:267:ASN:CG	2:1s:254:SER:H	2.16	0.46
2:3m:184:LEU:HD13	2:4i:175:PHE:HE1	1.79	0.46
2:6m:62:ALA:HA	2:6m:112:ILE:HD12	1.97	0.46
2:6m:226:ILE:HG22	2:7q:222:LEU:HD13	1.96	0.46
2:7m:120:ILE:HD11	2:8v:120:ILE:CD1	2.44	0.46
2:8s:158[A]:ILE:HD11	2:8w:158[A]:ILE:HG12	1.98	0.46
2:1r:215:THR:H	2:1r:218:ASN:HD22	1.64	0.46
2:1r:242:LEU:C	2:2p:234:LEU:CD2	2.88	0.46
2:3q:41:TYR:CZ	2:3q:57:MET:SD	3.08	0.46
2:3r:96:GLY:HA2	2:3r:112:ILE:O	2.15	0.46
2:3r:215:THR:H	2:3r:218:ASN:HD22	1.63	0.46
2:4l:97:TYR:OH	2:3x:41:TYR:CE1	2.68	0.46
2:5k:270:ILE:CG1	2:6s:251:VAL:CG2	2.93	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5l:63:TRP:CG	2:5l:112:ILE:HD11	2.50	0.46
2:6q:269:LEU:CD2	2:9K:269:LEU:CG	2.90	0.46
2:6r:215:THR:H	2:6r:218:ASN:HD22	1.63	0.46
2:6s:127:ASP:OD1	2:7o:121[A]:GLU:CA	2.63	0.46
2:7r:138:ILE:O	2:9L:132:GLY:N	2.37	0.46
2:8y:57:MET:HB3	2:9M:61:ALA:HB3	1.95	0.46
2:8y:174:LEU:HD11	2:9J:174:LEU:CD2	2.42	0.46
2:8z:239:THR:HA	2:7x:247:LYS:N	2.31	0.46
2:1u:59:PRO:O	2:2t:59:PRO:HG3	2.15	0.46
2:1v:242:LEU:C	2:2u:234:LEU:CD2	2.88	0.46
2:2u:200:LEU:CD2	2:3v:200:LEU:HD12	2.10	0.46
2:2v:163:THR:H	2:2v:166:ASN:ND2	2.09	0.46
2:3u:62:ALA:HA	2:3u:112:ILE:HD12	1.97	0.46
2:3u:184:LEU:HD13	2:4m:175:PHE:HE1	1.79	0.46
2:3v:97:TYR:OH	2:3v:111:VAL:HB	2.15	0.46
2:3w:63:TRP:CG	2:3w:112:ILE:HD11	2.50	0.46
2:5m:279:ILE:C	2:6w:248:GLY:O	2.58	0.46
2:6w:200:LEU:HD22	2:7t:200:LEU:CD1	2.46	0.46
2:6x:279:ILE:CD1	2:9R:251:VAL:HG11	2.43	0.46
2:7w:136:LEU:HD13	2:9R:136:LEU:HD22	1.96	0.46
2:9M:150:GLU:OE1	2:9J:145:ARG:NH1	2.43	0.46
2:9P:62:ALA:HA	2:9P:112:ILE:HD12	1.98	0.46
2:9R:41:TYR:CZ	2:9R:57:MET:SD	3.08	0.46
1:2E:407:ASN:HD21	2:2d:46:ASP:HB2	1.81	0.46
1:5E:7:ASP:O	1:5E:9:LYS:N	2.48	0.46
1:5F:111:ASP:OD1	1:5F:111:ASP:C	2.57	0.46
1:7B:447:GLN:OE1	2:7b:56:ASN:HB2	2.14	0.46
1:7E:245:GLU:OE1	1:7E:245:GLU:N	2.35	0.46
1:8A:446:ALA:CB	2:8e:55:VAL:HG22	2.44	0.46
1:8D:444:GLY:H	2:8i:45:LYS:HE3	0.89	0.46
1:1G:446:ALA:CA	2:1i:42:VAL:O	2.49	0.46
1:1I:94:GLY:O	1:1I:96:THR:N	2.48	0.46
1:1I:443:SER:OG	1:1I:444:GLY:N	2.48	0.46
1:6I:202:GLU:HB2	1:6I:205:SER:HB3	1.97	0.46
1:8I:252:ASP:O	1:8I:253:ALA:CB	2.63	0.46
1:8K:111:ASP:OD1	1:8K:111:ASP:C	2.58	0.46
1:8L:443:SER:CA	2:8m:45:LYS:HZ3	1.96	0.46
1:9B:111:ASP:OD1	1:9B:111:ASP:C	2.58	0.46
1:1R:425:LYS:HG2	1:1R:425:LYS:O	2.16	0.46
1:2M:245:GLU:OE1	1:2M:245:GLU:N	2.38	0.46
1:2M:385:TRP:H	2:2k:106:GLN:NE2	2.13	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2O:447:GLN:O	2:2n:41:TYR:CG	2.67	0.46
1:3P:154:VAL:O	1:3P:154:VAL:CG1	2.57	0.46
1:4M:140:TYR:CD1	1:4M:140:TYR:N	2.83	0.46
1:4O:151:THR:OG1	1:5U:59:ASN:ND2	2.48	0.46
1:5N:36:VAL:N	1:5N:37:PRO:HD2	2.30	0.46
1:6N:443:SER:C	2:6o:56:ASN:HD22	2.19	0.46
1:8O:252:ASP:O	1:8O:253:ALA:CB	2.63	0.46
1:1U:443:SER:OG	1:1U:444:GLY:N	2.48	0.46
1:3U:397:THR:OG1	1:3U:399:ASP:OD1	2.32	0.46
1:4V:355:SER:CB	1:4V:356:PRO:CD	2.93	0.46
1:4W:392:THR:CG2	2:4k:66:ILE:HD11	2.44	0.46
1:4X:408:GLU:OE1	1:4X:408:GLU:HA	2.14	0.46
1:5W:444:GLY:O	2:5k:45:LYS:HD2	2.15	0.46
1:6V:314:ASN:OD1	1:6V:314:ASN:O	2.33	0.46
1:7P:448:ALA:O	2:7s:60:LEU:CB	2.60	0.46
1:8X:446:ALA:CB	2:8y:19:LEU:CD1	2.87	0.46
1:2U:19:ASP:OD1	1:2U:19:ASP:C	2.58	0.46
1:2U:355:SER:HB2	1:2U:356:PRO:HD2	1.96	0.46
1:3Y:111:ASP:O	1:3Y:112:ALA:CB	2.63	0.46
1:4Z:203:PRO:CA	1:4Z:212:GLU:CD	2.86	0.46
1:4a:217:MET:C	1:4a:217:MET:SD	2.98	0.46
1:5Z:36:VAL:N	1:5Z:37:PRO:HD2	2.30	0.46
1:6d:448:ALA:CB	2:6u:60:LEU:HG	2.45	0.46
1:7X:444:GLY:N	2:7t:45:LYS:HZ1	2.13	0.46
1:8d:6:ASN:OD1	1:8d:6:ASN:C	2.58	0.46
2:1g:229:GLY:HA3	2:3g:231:PRO:N	2.29	0.46
2:1h:63:TRP:CG	2:1h:112:ILE:HD11	2.50	0.46
2:2a:215:THR:H	2:2a:218:ASN:HD22	1.64	0.46
2:2d:259:VAL:HG11	2:1k:258:ASP:N	2.30	0.46
2:3e:41:TYR:CZ	2:3e:57:MET:SD	3.08	0.46
2:3g:132:GLY:C	2:2x:136:LEU:HD12	2.40	0.46
2:3h:38:ILE:HD11	2:3h:114:ARG:CZ	2.34	0.46
2:4e:96:GLY:HA2	2:4e:112:ILE:O	2.15	0.46
2:6e:23:GLN:HE22	2:7g:75:ASP:HA	1.80	0.46
2:6e:63:TRP:CG	2:6e:112:ILE:HD11	2.50	0.46
2:6h:215:THR:H	2:6h:218:ASN:HD22	1.63	0.46
2:6h:279:ILE:HG22	2:8j:248:GLY:HA3	1.96	0.46
2:7a:242:LEU:C	2:6v:234:LEU:CD2	2.88	0.46
2:7c:245:VAL:O	2:8j:243:GLY:O	2.33	0.46
2:7d:223:ARG:HD2	2:9P:227:GLY:O	2.12	0.46
2:7d:242:LEU:HD13	2:8f:234:LEU:HD23	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:253:ALA:N	2:9O:270:ILE:HG21	2.30	0.46
2:8g:223:ARG:N	2:9G:226:ILE:HB	2.30	0.46
2:8g:270:ILE:HG21	2:8k:253:ALA:N	2.31	0.46
2:9F:163:THR:H	2:9F:166:ASN:ND2	2.09	0.46
2:1i:200:LEU:HD13	2:2e:200:LEU:CG	2.39	0.46
2:3k:76:ASN:ND2	2:3k:116:LYS:HG2	2.30	0.46
2:6k:173:LEU:CB	2:7e:157:LEU:HD12	2.43	0.46
2:7h:247:LYS:N	2:8p:237:ALA:CB	2.75	0.46
2:8m:267:ASN:CG	2:8q:254:SER:O	2.59	0.46
2:8n:41:TYR:CZ	2:8n:57:MET:SD	3.08	0.46
2:8p:63:TRP:CG	2:8p:112:ILE:HD11	2.50	0.46
2:1n:62:ALA:HA	2:1n:112:ILE:HD12	1.98	0.46
2:1n:200:LEU:HD13	2:3n:200:LEU:HD13	1.98	0.46
2:1o:273:LEU:CD2	2:3o:273:LEU:HD21	2.42	0.46
2:2j:215:THR:H	2:2j:218:ASN:HD22	1.64	0.46
2:2j:219:LYS:C	2:1t:226:ILE:O	2.58	0.46
2:2l:57:MET:CE	2:4i:111:VAL:CG1	2.93	0.46
2:4j:63:TRP:CG	2:4j:112:ILE:HD11	2.50	0.46
2:5i:120:ILE:HD12	2:6o:120:ILE:HD13	1.94	0.46
2:5i:163:THR:H	2:5i:166:ASN:ND2	2.09	0.46
2:6m:119:SER:HB3	2:8u:126:LYS:HG2	1.96	0.46
2:6n:97:TYR:OH	2:6n:111:VAL:HB	2.15	0.46
2:6o:41:TYR:CZ	2:6o:57:MET:SD	3.08	0.46
2:7m:245:VAL:O	2:8v:243:GLY:O	2.33	0.46
2:7n:215:THR:H	2:7n:218:ASN:HD22	1.64	0.46
2:8q:62:ALA:HA	2:8q:112:ILE:HD12	1.97	0.46
2:8q:201:VAL:H	2:9H:193:LYS:CE	2.28	0.46
2:8q:225:MET:CE	2:9H:212:GLY:CA	2.93	0.46
2:1t:126:LYS:C	2:1t:126:LYS:CD	2.85	0.46
2:1t:163:THR:H	2:1t:166:ASN:ND2	2.09	0.46
2:3q:231:PRO:HD3	2:4k:228:ALA:C	2.41	0.46
2:3s:76:ASN:ND2	2:3s:116:LYS:HG2	2.30	0.46
2:3t:215:THR:H	2:3t:218:ASN:HD22	1.63	0.46
2:5k:96:GLY:HA2	2:5k:112:ILE:O	2.15	0.46
2:5k:111:VAL:HG22	2:7o:57:MET:HG3	1.97	0.46
2:5k:279:ILE:C	2:6s:248:GLY:O	2.58	0.46
2:6r:96:GLY:HA2	2:6r:112:ILE:O	2.15	0.46
2:6s:173:LEU:CB	2:7o:157:LEU:HD12	2.43	0.46
2:6t:158[A]:ILE:HD11	2:9L:158[A]:ILE:HG12	1.98	0.46
2:7o:215:THR:H	2:7o:218:ASN:HD22	1.64	0.46
2:7r:247:LYS:N	2:9L:237:ALA:CB	2.75	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:250:ALA:HB1	2:9L:281:LEU:O	2.14	0.46
2:8w:125:ILE:CG1	2:9I:120:ILE:HD11	2.28	0.46
2:8w:132:GLY:HA2	2:9I:135:LEU:O	2.16	0.46
2:8y:28:ILE:HA	2:9M:73:VAL:HG11	1.95	0.46
2:8z:242:LEU:HD21	2:7x:244:GLY:C	2.21	0.46
2:9L:41:TYR:CZ	2:9L:57:MET:SD	3.08	0.46
2:9L:215:THR:H	2:9L:218:ASN:HD22	1.64	0.46
2:1u:96:GLY:HA2	2:1u:112:ILE:O	2.15	0.46
2:1v:223:ARG:HD3	2:3v:227:GLY:O	1.93	0.46
2:1x:62:ALA:HA	2:1x:112:ILE:HD12	1.98	0.46
2:1x:63:TRP:CG	2:1x:112:ILE:HD11	2.50	0.46
2:2u:279:ILE:HG22	2:3v:273:LEU:HD21	1.97	0.46
2:2v:215:THR:H	2:2v:218:ASN:HD22	1.63	0.46
2:3w:116:LYS:CA	2:3w:116:LYS:CE	2.86	0.46
2:3w:215:THR:H	2:3w:218:ASN:HD22	1.64	0.46
2:3x:97:TYR:CZ	2:3x:111:VAL:CB	2.82	0.46
2:5m:148[B]:ILE:HD13	2:6w:148[B]:ILE:HD13	1.98	0.46
2:6u:215:THR:H	2:6u:218:ASN:HD22	1.64	0.46
2:6w:76:ASN:ND2	2:6w:116:LYS:HG2	2.30	0.46
2:6x:263:VAL:HG13	2:9R:254:SER:OG	2.15	0.46
2:7w:139:ASN:HA	2:9R:130:ASP:N	2.30	0.46
2:7w:184:LEU:HB3	2:9R:175:PHE:CE1	2.51	0.46
2:7x:242:LEU:HD13	2:9N:234:LEU:HD23	1.96	0.46
2:9P:41:TYR:CZ	2:9P:57:MET:SD	3.08	0.46
1:1E:118:LYS:O	1:1E:120:PHE:N	2.48	0.46
1:1E:323:TYR:CE1	1:1Z:316:ARG:HD3	2.51	0.46
1:2A:384:VAL:HG13	2:2c:106:GLN:NE2	2.30	0.46
1:2E:19:ASP:OD1	1:2E:19:ASP:C	2.59	0.46
1:1L:425:LYS:O	1:1L:425:LYS:HG2	2.16	0.46
1:3I:397:THR:OG1	1:3I:399:ASP:OD1	2.32	0.46
1:4H:190:TYR:CD2	1:4H:190:TYR:C	2.92	0.46
1:5H:36:VAL:N	1:5H:37:PRO:HD2	2.30	0.46
1:7J:356:PRO:HG2	1:7J:369:PHE:CD2	2.50	0.46
1:8I:362:LYS:HA	1:8I:438:ARG:HB3	1.97	0.46
1:1P:445:GLY:H	2:1p:45:LYS:HG2	1.81	0.46
1:2O:16:GLU:O	1:2O:18:TYR:N	2.49	0.46
1:4M:18:TYR:CD1	1:4M:18:TYR:C	2.94	0.46
1:4O:423:GLU:OE1	1:4O:423:GLU:N	2.30	0.46
1:5Q:314:ASN:OD1	1:5Q:314:ASN:C	2.58	0.46
1:5R:447:GLN:NE2	2:5j:44:VAL:CG1	2.74	0.46
1:1W:118:LYS:O	1:1W:120:PHE:N	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1W:394:THR:O	1:1W:394:THR:CG2	2.63	0.46
1:2T:16:GLU:O	1:2T:18:TYR:N	2.49	0.46
1:3V:407:ASN:HB2	2:3s:45:LYS:HA	1.98	0.46
1:4S:18:TYR:CD1	1:4S:18:TYR:C	2.94	0.46
1:4S:36:VAL:N	1:4S:37:PRO:HD2	2.31	0.46
1:5W:199:LYS:HG3	1:5W:199:LYS:O	2.15	0.46
1:6U:402:LEU:HD23	1:6U:402:LEU:C	2.40	0.46
1:7P:256:GLU:OE2	1:7P:266:LYS:NZ	2.49	0.46
1:8V:446:ALA:HB1	2:9K:19:LEU:HD12	1.98	0.46
1:8X:19:ASP:OD1	1:8X:19:ASP:C	2.58	0.46
1:3Z:41:ALA:O	1:3Z:42:ASN:HB2	2.14	0.46
1:5a:252:ASP:C	1:5a:252:ASP:OD1	2.57	0.46
1:6a:202:GLU:HB2	1:6a:205:SER:HB3	1.97	0.46
1:6d:19:ASP:OD1	1:6d:19:ASP:C	2.58	0.46
1:7V:30:ASP:OD1	1:7V:30:ASP:C	2.58	0.46
1:8d:443:SER:CB	2:9O:45:LYS:HZ2	2.24	0.46
2:1f:242:LEU:C	2:2a:234:LEU:CD2	2.88	0.46
2:1f:247:LYS:N	2:3f:239:THR:CA	2.77	0.46
2:1g:242:LEU:HA	2:3g:246:LYS:HG2	1.98	0.46
2:2a:279:ILE:HG22	2:3f:273:LEU:HD21	1.96	0.46
2:2b:215:THR:H	2:2b:218:ASN:HD22	1.64	0.46
2:2d:183:PHE:CE1	2:3k:196:LEU:HD22	2.49	0.46
2:3h:175:PHE:CE2	2:2w:175:PHE:HE1	2.33	0.46
2:3h:197:GLN:HG2	2:2w:201:VAL:HG22	1.97	0.46
2:3h:215:THR:H	2:3h:218:ASN:HD22	1.63	0.46
2:5f:212:GLY:CA	2:6v:203:ASN:ND2	2.79	0.46
2:6e:148[B]:ILE:HD13	2:7g:148[B]:ILE:HD13	1.98	0.46
2:6f:203:ASN:ND2	2:5h:212:GLY:CA	2.79	0.46
2:6h:59:PRO:O	2:7c:59:PRO:HG3	2.15	0.46
2:7Z:215:THR:H	2:7Z:218:ASN:HD22	1.64	0.46
2:8g:158[A]:ILE:HD11	2:8k:158[A]:ILE:HG12	1.98	0.46
2:8g:267:ASN:CG	2:8k:254:SER:O	2.59	0.46
2:1i:38:ILE:HD11	2:1i:114:ARG:HH22	1.73	0.46
2:1j:41:TYR:CZ	2:1j:57:MET:SD	3.08	0.46
2:1j:57:MET:HB3	2:2f:61:ALA:HB1	1.97	0.46
2:1j:76:ASN:ND2	2:1j:116:LYS:HG2	2.30	0.46
2:2e:215:THR:H	2:2e:218:ASN:HD22	1.64	0.46
2:2e:219:LYS:C	2:1p:226:ILE:O	2.58	0.46
2:2h:163:THR:H	2:2h:166:ASN:ND2	2.09	0.46
2:2h:226:ILE:CG2	2:3p:222:LEU:HD22	2.41	0.46
2:4h:99:VAL:HA	2:3p:28:ILE:HD12	1.95	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5g:131:THR:OG1	2:6k:140:THR:CA	2.63	0.46
2:5h:76:ASN:ND2	2:5h:116:LYS:HG2	2.30	0.46
2:6i:23:GLN:HE22	2:7l:75:ASP:HA	1.80	0.46
2:6i:215:THR:H	2:6i:218:ASN:HD22	1.64	0.46
2:6j:59:PRO:HB3	2:5j:61:ALA:HB2	1.98	0.46
2:6j:96:GLY:HA2	2:6j:112:ILE:O	2.15	0.46
2:6j:111:VAL:HG13	2:7k:57:MET:HE2	1.98	0.46
2:6j:242:LEU:HD21	2:5j:236:ALA:HA	1.97	0.46
2:6l:114:ARG:HH12	2:8p:115:SER:CB	2.29	0.46
2:6l:234:LEU:HD13	2:7h:234:LEU:CD1	2.45	0.46
2:7h:90:ASP:OD1	2:7h:90:ASP:C	2.56	0.46
2:8k:62:ALA:HA	2:8k:112:ILE:HD12	1.98	0.46
2:8k:150:GLU:OE1	2:9G:141:PRO:HB2	2.15	0.46
2:8m:129:GLY:CA	2:8q:139:ASN:HA	2.45	0.46
2:8m:215:THR:H	2:8m:218:ASN:HD22	1.63	0.46
2:1n:57:MET:HB3	2:2k:61:ALA:HB1	1.97	0.46
2:2l:246:LYS:CG	2:3m:239:THR:O	2.63	0.46
2:2n:136:LEU:HD12	2:3s:132:GLY:C	2.40	0.46
2:2n:251:VAL:CG1	2:3s:279:ILE:HD12	2.45	0.46
2:5i:229:GLY:HA2	2:6o:231:PRO:HG3	1.95	0.46
2:5i:279:ILE:C	2:6o:248:GLY:O	2.58	0.46
2:6o:199:LEU:HD12	2:7j:183:PHE:CE1	2.51	0.46
2:6o:242:LEU:C	2:7j:244:GLY:HA3	2.38	0.46
2:8q:41:TYR:CZ	2:8q:57:MET:SD	3.08	0.46
2:8q:116:LYS:CA	2:8q:116:LYS:CE	2.85	0.46
2:8q:174:LEU:CD1	2:9H:174:LEU:HD11	2.45	0.46
2:8q:180:VAL:HG21	2:9H:183:PHE:O	2.14	0.46
2:8q:267:ASN:ND2	2:9H:254:SER:CB	2.39	0.46
2:8s:148[A]:ILE:CG2	2:8w:145:ARG:CG	2.93	0.46
2:8s:234:LEU:CG	2:9I:242:LEU:CB	2.94	0.46
2:1q:111:VAL:HG13	2:2o:57:MET:HE2	1.98	0.46
2:1s:129:GLY:HA3	2:3s:138:ILE:C	2.41	0.46
2:1s:148[A]:ILE:HG23	2:3s:145:ARG:HG2	1.98	0.46
2:1s:242:LEU:HA	2:3s:246:LYS:HG2	1.98	0.46
2:2o:136:LEU:HD12	2:1x:132:GLY:C	2.41	0.46
2:2q:200:LEU:HD12	2:3q:200:LEU:HD22	1.96	0.46
2:2s:232:TYR:CD2	2:3w:232:TYR:CD1	2.96	0.46
2:3q:63:TRP:CG	2:3q:112:ILE:HD11	2.50	0.46
2:3r:97:TYR:OH	2:3r:111:VAL:HB	2.15	0.46
2:3s:41:TYR:CZ	2:3s:57:MET:SD	3.08	0.46
2:6q:215:THR:H	2:6q:218:ASN:HD22	1.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6r:203:ASN:ND2	2:5n:212:GLY:CA	2.79	0.46
2:6s:270:ILE:HD11	2:7o:269:LEU:HD22	1.97	0.46
2:6t:234:LEU:HD13	2:7r:234:LEU:CD1	2.45	0.46
2:7r:158[B]:ILE:HD11	2:9L:158[B]:ILE:HD11	1.97	0.46
2:7s:242:LEU:HD13	2:8x:234:LEU:HD23	1.97	0.46
2:8w:62:ALA:HA	2:8w:112:ILE:HD12	1.98	0.46
2:8w:240:THR:HA	2:9I:246:LYS:NZ	2.20	0.46
2:8y:263:VAL:CG2	2:9M:256:ALA:HB3	2.44	0.46
2:1v:62:ALA:HA	2:1v:112:ILE:HD12	1.97	0.46
2:1w:180:VAL:CG2	2:3w:186:ALA:HB2	2.45	0.46
2:2v:223:ARG:HH12	2:3u:227:GLY:HA3	1.69	0.46
2:2v:228:ALA:C	2:4m:229:GLY:O	2.57	0.46
2:3u:76:ASN:ND2	2:3u:116:LYS:HG2	2.30	0.46
2:5m:270:ILE:CG1	2:6w:251:VAL:CG2	2.93	0.46
2:6w:270:ILE:HD11	2:7t:269:LEU:HD22	1.97	0.46
2:7w:118:ILE:HD12	2:9R:114:ARG:HH12	1.80	0.46
2:7w:135:LEU:O	2:9R:132:GLY:HA2	2.15	0.46
2:7w:193:LYS:HD3	2:9R:200:LEU:O	2.14	0.46
2:9M:180:VAL:HG21	2:9J:183:PHE:O	2.14	0.46
1:3E:447:GLN:HB2	2:3f:56:ASN:HD22	1.80	0.46
1:4C:151:THR:OG1	1:5I:59:ASN:ND2	2.49	0.46
1:5E:199:LYS:HG3	1:5E:199:LYS:O	2.16	0.46
1:6C:202:GLU:HB2	1:6C:205:SER:HB3	1.97	0.46
1:6E:442:ALA:O	2:6f:45:LYS:NZ	2.46	0.46
1:8E:145:GLN:HG2	1:8E:319:TYR:HB3	1.97	0.46
1:8F:394:THR:HG22	1:8F:394:THR:O	2.16	0.46
1:2F:268:PHE:CD1	1:2F:268:PHE:N	2.82	0.46
1:2J:16:GLU:O	1:2J:18:TYR:N	2.49	0.46
1:2J:91:ILE:O	1:2J:91:ILE:HG22	2.15	0.46
1:3J:20:ILE:O	1:3J:22:ASN:N	2.49	0.46
1:3L:111:ASP:OD1	1:3L:111:ASP:C	2.57	0.46
1:4I:217:MET:HE3	1:4I:217:MET:HB3	1.79	0.46
1:7F:256:GLU:OE2	1:7F:266:LYS:NZ	2.49	0.46
1:7H:447:GLN:HA	2:7f:41:TYR:HE1	1.78	0.46
1:8G:137:GLN:O	1:8G:137:GLN:CG	2.62	0.46
1:1O:36:VAL:N	1:1O:37:PRO:CD	2.78	0.46
1:1O:94:GLY:O	1:1O:96:THR:N	2.48	0.46
1:2O:355:SER:HB2	1:2O:356:PRO:HD3	1.97	0.46
1:3M:111:ASP:O	1:3M:112:ALA:CB	2.63	0.46
1:4P:355:SER:CB	1:4P:356:PRO:CD	2.93	0.46
1:4R:397:THR:O	1:4R:397:THR:CG2	2.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5N:124:MET:N	1:5N:124:MET:SD	2.88	0.46
1:2Q:314:ASN:OD1	1:2Q:314:ASN:C	2.59	0.46
1:2R:314:ASN:OD1	1:2R:314:ASN:C	2.58	0.46
1:3S:314:ASN:OD1	1:3S:314:ASN:C	2.58	0.46
1:3X:444:GLY:O	2:3q:44:VAL:HG23	2.14	0.46
1:5T:252:ASP:O	1:5T:255:LEU:N	2.47	0.46
1:7Q:446:ALA:HB2	2:7q:19:LEU:HD12	1.98	0.46
1:8S:30:ASP:OD1	1:8S:30:ASP:C	2.57	0.46
1:2X:47:VAL:HG12	1:2X:47:VAL:O	2.14	0.46
1:4d:95:ARG:O	1:4d:96:THR:CB	2.64	0.46
1:4d:444:GLY:HA2	2:4n:45:LYS:HD3	1.98	0.46
1:5d:422:THR:CB	1:5d:427:LYS:CG	2.53	0.46
1:5d:424:ASP:HB3	1:5d:427:LYS:HE2	1.97	0.46
1:6b:317:GLY:O	1:6b:319:TYR:N	2.49	0.46
1:7V:384:VAL:HG13	2:7v:106:GLN:NE2	2.30	0.46
2:1e:200:LEU:HD22	2:1l:200:LEU:CD1	2.45	0.46
2:1e:246:LYS:HG2	2:2Z:240:THR:O	2.15	0.46
2:1f:238:THR:C	2:2a:247:LYS:HB2	2.39	0.46
2:1g:96:GLY:HA2	2:1g:112:ILE:O	2.15	0.46
2:1g:180:VAL:CG1	2:3g:184:LEU:HA	2.45	0.46
2:1h:179:ASN:ND2	2:1h:192:ASN:HD22	2.11	0.46
2:1h:226:ILE:O	2:2t:219:LYS:C	2.59	0.46
2:2c:57:MET:CE	2:3l:61:ALA:HB1	2.45	0.46
2:2c:160:GLY:HA2	2:4f:173:LEU:HD13	1.98	0.46
2:3e:231:PRO:HD3	2:4e:228:ALA:C	2.41	0.46
2:3h:96:GLY:HA2	2:3h:112:ILE:O	2.15	0.46
2:6e:139:ASN:HA	2:8i:130:ASP:N	2.30	0.46
2:6g:41:TYR:CZ	2:6g:57:MET:SD	3.08	0.46
2:6h:114:ARG:HH12	2:8j:115:SER:CB	2.29	0.46
2:7a:227:GLY:HA3	2:6v:223:ARG:HH11	1.79	0.46
2:8e:174:LEU:CD1	2:9F:174:LEU:HD11	2.45	0.46
2:8e:279:ILE:HD11	2:9F:269:LEU:CD1	2.45	0.46
2:8g:183:PHE:CE2	2:9G:180:VAL:HG22	2.50	0.46
2:8h:63:TRP:CG	2:8h:112:ILE:HD11	2.50	0.46
2:9F:174:LEU:CD2	2:9O:174:LEU:HD11	2.42	0.46
2:9F:226:ILE:HB	2:9O:223:ARG:N	2.31	0.46
2:1i:174:LEU:CD1	2:2e:174:LEU:HD22	2.46	0.46
2:1j:242:LEU:C	2:2f:234:LEU:CD2	2.88	0.46
2:1j:247:LYS:C	2:3j:239:THR:HG22	2.41	0.46
2:1k:242:LEU:HA	2:3k:246:LYS:HG2	1.98	0.46
2:2e:120:ILE:HG13	2:1p:125:ILE:HA	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:206:VAL:CG2	2:3p:209:LEU:O	2.64	0.46
2:3k:215:THR:H	2:3k:218:ASN:HD22	1.64	0.46
2:5g:96:GLY:HA2	2:5g:112:ILE:O	2.15	0.46
2:5g:148[B]:ILE:HD13	2:6k:148[B]:ILE:HD13	1.98	0.46
2:5g:277:GLY:C	2:6k:247:LYS:HG3	2.34	0.46
2:6l:263:VAL:HG13	2:8p:254:SER:OG	2.16	0.46
2:7h:120:ILE:HD11	2:8p:120:ILE:CD1	2.44	0.46
2:7h:135:LEU:O	2:8p:132:GLY:HA2	2.16	0.46
2:8k:41:TYR:CZ	2:8k:57:MET:SD	3.08	0.46
2:8k:245:VAL:HG13	2:9G:245:VAL:N	2.31	0.46
2:8n:215:THR:H	2:8n:218:ASN:HD22	1.64	0.46
2:8n:239:THR:HA	2:7n:247:LYS:N	2.31	0.46
2:8p:62:ALA:HA	2:8p:112:ILE:HD12	1.98	0.46
2:8p:215:THR:H	2:8p:218:ASN:HD22	1.64	0.46
2:1m:174:LEU:CD1	2:2j:174:LEU:HD22	2.46	0.46
2:1n:116:LYS:CA	2:1n:116:LYS:CE	2.86	0.46
2:1n:247:LYS:H	2:3n:239:THR:CA	2.29	0.46
2:1o:280:SER:N	2:3o:249:ALA:CA	2.78	0.46
2:1p:41:TYR:CZ	2:1p:57:MET:SD	3.08	0.46
2:2j:136:LEU:HD12	2:1t:132:GLY:C	2.41	0.46
2:2j:232:TYR:CD2	2:1t:232:TYR:CE2	2.98	0.46
2:2k:127:ASP:CG	2:3n:122:VAL:HG23	2.39	0.46
2:2k:226:ILE:CG2	2:3n:222:LEU:HD13	2.42	0.46
2:2l:122:VAL:N	2:3m:127:ASP:OD1	2.45	0.46
2:2l:175:PHE:CZ	2:3m:175:PHE:HZ	2.33	0.46
2:2n:266:LEU:N	2:3s:266:LEU:CD2	2.77	0.46
2:3o:62:ALA:HA	2:3o:112:ILE:HD12	1.98	0.46
2:4j:247:LYS:HE2	2:3t:239:THR:CG2	2.43	0.46
2:6o:228:ALA:CA	2:7j:223:ARG:HG2	2.45	0.46
2:7m:158[B]:ILE:HD11	2:8v:158[B]:ILE:HD11	1.97	0.46
2:7m:215:THR:H	2:7m:218:ASN:HD22	1.64	0.46
2:7m:246:LYS:HE2	2:8v:241:THR:C	2.41	0.46
2:8q:132:GLY:HA2	2:9H:135:LEU:O	2.16	0.46
2:8s:2:MET:HE1	2:8w:58:TYR:HB3	1.98	0.46
2:8v:215:THR:H	2:8v:218:ASN:HD22	1.64	0.46
2:1q:38:ILE:HD11	2:1q:114:ARG:CZ	2.34	0.46
2:1q:222:LEU:CB	2:2o:226:ILE:HB	2.44	0.46
2:1q:222:LEU:HB2	2:2o:226:ILE:CG2	2.28	0.46
2:1q:244:GLY:CA	2:2o:242:LEU:CA	2.67	0.46
2:1r:76:ASN:ND2	2:1r:116:LYS:HG2	2.30	0.46
2:1t:41:TYR:CZ	2:1t:57:MET:SD	3.08	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2o:219:LYS:C	2:1x:226:ILE:O	2.58	0.46
2:2p:238:THR:CA	2:3r:247:LYS:HB2	2.45	0.46
2:2q:90:ASP:OD1	2:2q:90:ASP:C	2.57	0.46
2:2s:215:THR:H	2:2s:218:ASN:HD22	1.64	0.46
2:3q:196:LEU:HB3	2:4k:200:LEU:CD2	2.46	0.46
2:3t:97:TYR:OH	2:3t:111:VAL:HB	2.15	0.46
2:5k:38:ILE:HD11	2:5k:114:ARG:CZ	2.35	0.46
2:6q:251:VAL:CG2	2:9K:270:ILE:CD1	2.94	0.46
2:7r:215:THR:H	2:7r:218:ASN:HD22	1.64	0.46
2:7r:245:VAL:O	2:9L:243:GLY:O	2.33	0.46
2:7s:215:THR:H	2:7s:218:ASN:HD22	1.64	0.46
2:8w:279:ILE:HD11	2:9I:269:LEU:CD1	2.45	0.46
2:8x:97:TYR:OH	2:8x:111:VAL:HB	2.15	0.46
2:8y:246:LYS:CE	2:9J:240:THR:O	2.45	0.46
2:9K:96:GLY:HA2	2:9K:112:ILE:O	2.15	0.46
2:1w:131:THR:OG1	2:3w:140:THR:CA	2.63	0.46
2:1x:76:ASN:ND2	2:1x:116:LYS:HG2	2.30	0.46
2:2v:200:LEU:HD12	2:3u:200:LEU:HD22	1.96	0.46
2:2x:215:THR:H	2:2x:218:ASN:HD22	1.64	0.46
2:6x:77:LEU:HD11	2:6x:98:ALA:HB2	1.95	0.46
2:7w:215:THR:H	2:7w:218:ASN:HD22	1.64	0.46
2:7x:163:THR:H	2:7x:166:ASN:ND2	2.09	0.46
2:9P:163:THR:H	2:9P:166:ASN:ND2	2.09	0.46
2:9Q:163:THR:H	2:9Q:166:ASN:ND2	2.09	0.46
1:3D:20:ILE:O	1:3D:22:ASN:N	2.49	0.46
1:4B:355:SER:HB3	1:4B:356:PRO:HD3	1.96	0.46
1:6D:314:ASN:OD1	1:6D:314:ASN:O	2.33	0.46
1:7D:245:GLU:OE1	1:7D:245:GLU:N	2.31	0.46
1:8D:36:VAL:N	1:8D:37:PRO:CD	2.79	0.46
1:8F:448:ALA:HB2	2:8g:41:TYR:CE2	2.50	0.46
1:1H:334:ARG:O	1:1H:335:PHE:HB2	2.16	0.46
1:2F:403:SER:O	2:2h:16:TYR:OH	2.30	0.46
1:2G:201:ASP:OD1	1:2G:201:ASP:C	2.59	0.46
1:2G:241:ARG:HD2	1:2G:241:ARG:C	2.41	0.46
1:2J:363:GLN:HG2	1:2J:439:PRO:HA	1.97	0.46
1:4G:18:TYR:O	1:4G:18:TYR:HD1	1.99	0.46
1:4H:380:ASP:OD1	1:4H:380:ASP:C	2.57	0.46
1:4I:151:THR:OG1	1:5O:59:ASN:ND2	2.48	0.46
1:5H:124:MET:SD	1:5H:124:MET:N	2.88	0.46
1:5L:32:PHE:N	1:5L:32:PHE:CD1	2.83	0.46
1:7F:283:ASP:OD1	1:7F:283:ASP:C	2.55	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2M:25:ARG:CZ	2:4j:51:ASP:OD1	2.64	0.46
1:3M:314:ASN:OD1	1:3M:314:ASN:C	2.58	0.46
1:3R:448:ALA:O	2:3m:63:TRP:CE2	2.69	0.46
1:4R:358:ILE:O	1:4R:358:ILE:CG2	2.63	0.46
1:4R:447:GLN:CB	2:4j:42:VAL:HB	2.45	0.46
1:5N:202:GLU:HA	1:5N:203:PRO:HD3	1.64	0.46
1:5O:252:ASP:O	1:5O:253:ALA:CB	2.63	0.46
1:6N:103:ASP:OD1	1:6N:103:ASP:C	2.57	0.46
1:8Q:145:GLN:HG2	1:8Q:319:TYR:HB3	1.97	0.46
1:2Q:201:ASP:OD1	1:2Q:201:ASP:C	2.59	0.46
1:4U:315:PRO:HB3	1:5Z:310:GLU:HB3	1.97	0.46
1:5V:205:SER:OG	1:5V:206:SER:N	2.46	0.46
1:7Q:30:ASP:OD1	1:7Q:30:ASP:C	2.58	0.46
1:8S:399:ASP:C	1:8S:399:ASP:OD1	2.57	0.46
1:8X:394:THR:HG22	1:8X:394:THR:O	2.16	0.46
1:1d:130:LEU:N	1:1d:130:LEU:HD23	2.31	0.46
1:2Y:91:ILE:O	1:2Y:91:ILE:HG22	2.15	0.46
1:2Y:363:GLN:HG2	1:2Y:439:PRO:HA	1.97	0.46
1:4Y:18:TYR:CD1	1:4Y:18:TYR:C	2.94	0.46
1:4b:36:VAL:N	1:4b:37:PRO:CD	2.79	0.46
1:4d:205:SER:OG	1:4d:206:SER:N	2.47	0.46
1:5Y:111:ASP:OD1	1:5Y:111:ASP:C	2.57	0.46
1:5a:252:ASP:O	1:5a:253:ALA:CB	2.63	0.46
1:5c:135:ASN:N	1:5c:135:ASN:OD1	2.43	0.46
1:5d:32:PHE:N	1:5d:32:PHE:CD1	2.83	0.46
1:6Z:392:THR:OG1	2:6w:16:TYR:CE1	2.65	0.46
1:6a:397:THR:HG22	1:6a:397:THR:O	2.15	0.46
1:6b:252:ASP:O	1:6b:253:ALA:CB	2.63	0.46
1:7W:392:THR:O	2:7u:46:ASP:CG	2.59	0.46
1:8b:445:GLY:C	2:9Q:45:LYS:N	2.57	0.46
1:8c:111:ASP:OD1	1:8c:111:ASP:C	2.58	0.46
2:1e:215:THR:H	2:1e:218:ASN:HD22	1.63	0.46
2:1g:72:LYS:NZ	2:2x:26:ASP:OD1	2.46	0.46
2:1g:154:ALA:HB1	2:3g:158[B]:ILE:CD1	2.44	0.46
2:1g:280:SER:OG	2:3g:249:ALA:HA	2.16	0.46
2:1h:200:LEU:CD1	2:2t:200:LEU:CD1	2.75	0.46
2:1h:215:THR:H	2:1h:218:ASN:HD22	1.64	0.46
2:2a:222:LEU:HD23	2:3f:209:LEU:HD11	1.98	0.46
2:2b:212:GLY:HA3	2:3e:203:ASN:CB	2.45	0.46
2:2b:246:LYS:NZ	2:3e:240:THR:O	2.48	0.46
2:2d:136:LEU:HD12	2:3k:132:GLY:C	2.40	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:215:THR:H	2:2d:218:ASN:HD22	1.64	0.46
2:2d:244:GLY:HA3	2:3k:243:GLY:C	2.39	0.46
2:4f:62:ALA:HA	2:4f:112:ILE:HD12	1.97	0.46
2:6e:250:ALA:HB2	2:8i:280:SER:C	2.40	0.46
2:6g:228:ALA:CA	2:7Z:223:ARG:CG	2.94	0.46
2:6h:96:GLY:HA2	2:6h:112:ILE:O	2.15	0.46
2:6h:163:THR:H	2:6h:166:ASN:ND2	2.09	0.46
2:6h:232:TYR:CD2	2:7c:232:TYR:CZ	3.03	0.46
2:6h:279:ILE:CD1	2:8j:251:VAL:HG11	2.43	0.46
2:7a:57:MET:HE2	2:6v:111:VAL:HG13	1.98	0.46
2:7b:114:ARG:HD2	2:6u:114:ARG:HB2	1.97	0.46
2:7d:244:GLY:O	2:9P:242:LEU:HD21	2.12	0.46
2:8e:132:GLY:HA3	2:9F:136:LEU:CA	2.45	0.46
2:8e:173:LEU:HD13	2:9F:157:LEU:HD12	1.98	0.46
2:8e:201:VAL:H	2:9F:193:LYS:CE	2.28	0.46
2:8e:227:GLY:HA3	2:9F:219:LYS:HE2	1.56	0.46
2:1i:129:GLY:HA3	2:1p:138:ILE:O	2.15	0.46
2:1i:246:LYS:HG2	2:2e:240:THR:O	2.15	0.46
2:1j:215:THR:H	2:1j:218:ASN:HD22	1.64	0.46
2:1k:180:VAL:CG2	2:3k:186:ALA:HB2	2.45	0.46
2:2g:175:PHE:CZ	2:3i:175:PHE:HZ	2.32	0.46
2:2g:209:LEU:HD11	2:3i:222:LEU:HD23	1.97	0.46
2:2i:230:VAL:C	2:3o:229:GLY:HA3	2.40	0.46
2:2i:266:LEU:N	2:3o:266:LEU:CD2	2.77	0.46
2:3i:231:PRO:HD3	2:4g:228:ALA:C	2.41	0.46
2:4h:62:ALA:HA	2:4h:112:ILE:HD12	1.97	0.46
2:6i:41:TYR:CZ	2:6i:57:MET:SD	3.08	0.46
2:6i:119:SER:HB3	2:8o:126:LYS:HG2	1.97	0.46
2:6l:232:TYR:CD2	2:7h:232:TYR:CZ	3.03	0.46
2:7h:246:LYS:HE2	2:8p:241:THR:C	2.41	0.46
2:7i:215:THR:H	2:7i:218:ASN:HD22	1.64	0.46
2:8k:163:THR:H	2:8k:166:ASN:ND2	2.09	0.46
2:8k:209:LEU:CD2	2:9G:209:LEU:CG	2.94	0.46
2:8m:184:LEU:HD23	2:9H:180:VAL:HG11	1.98	0.46
2:2k:57:MET:CE	2:3n:111:VAL:HG13	2.46	0.46
2:3o:76:ASN:ND2	2:3o:116:LYS:HG2	2.30	0.46
2:6m:254:SER:OG	2:8u:263:VAL:HG22	2.15	0.46
2:7m:135:LEU:O	2:8v:132:GLY:HA2	2.15	0.46
2:8q:150:GLU:CG	2:9H:141:PRO:CB	2.92	0.46
2:8s:209:LEU:HD11	2:9I:222:LEU:CD2	2.45	0.46
2:8t:226:ILE:CD1	2:7s:226:ILE:HD13	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8u:215:THR:H	2:8u:218:ASN:HD22	1.63	0.46
2:1q:174:LEU:CD1	2:2o:174:LEU:HD22	2.46	0.46
2:1s:97:TYR:OH	2:1s:111:VAL:HB	2.15	0.46
2:1t:62:ALA:HA	2:1t:112:ILE:HD12	1.98	0.46
2:2p:120:ILE:CD1	2:3r:120:ILE:CD1	2.61	0.46
2:2p:222:LEU:HD23	2:3r:209:LEU:HD11	1.98	0.46
2:2q:246:LYS:CG	2:3q:239:THR:O	2.63	0.46
2:2r:57:MET:CE	2:3x:61:ALA:HB1	2.44	0.46
2:2s:183:PHE:CE1	2:3w:196:LEU:HD22	2.49	0.46
2:2s:223:ARG:HD3	2:3w:228:ALA:HA	1.98	0.46
2:4l:58:TYR:HB2	2:3x:2:MET:HE1	1.89	0.46
2:5l:226:ILE:O	2:7p:223:ARG:CG	2.64	0.46
2:6q:26:ASP:OD1	2:7v:73:VAL:HG21	2.16	0.46
2:6q:250:ALA:HB2	2:9K:280:SER:C	2.40	0.46
2:6r:59:PRO:HB3	2:5n:61:ALA:HB2	1.98	0.46
2:6r:111:VAL:HG13	2:7u:57:MET:HE2	1.98	0.46
2:6s:228:ALA:CA	2:7o:223:ARG:HG2	2.45	0.46
2:6s:242:LEU:HD23	2:7o:244:GLY:O	2.15	0.46
2:7r:135:LEU:O	2:9L:132:GLY:HA2	2.15	0.46
2:7r:259:VAL:CB	2:9L:259:VAL:HG22	2.42	0.46
2:8w:225:MET:CE	2:9I:212:GLY:CA	2.93	0.46
2:8w:270:ILE:HG21	2:9I:251:VAL:HG22	1.92	0.46
2:8y:215:THR:H	2:8y:218:ASN:HD22	1.63	0.46
2:1u:72:LYS:NZ	2:2t:26:ASP:OD1	2.43	0.46
2:1u:174:LEU:CD1	2:2t:174:LEU:HD22	2.46	0.46
2:1v:215:THR:H	2:1v:218:ASN:HD22	1.64	0.46
2:1v:247:LYS:H	2:3v:239:THR:CA	2.29	0.46
2:1w:278:ILE:HG22	2:3w:278:ILE:HD12	1.91	0.46
2:3v:215:THR:H	2:3v:218:ASN:HD22	1.63	0.46
2:4n:63:TRP:CG	2:4n:112:ILE:HD11	2.50	0.46
2:5m:96:GLY:HA2	2:5m:112:ILE:O	2.15	0.46
2:6u:251:VAL:CG2	2:9Q:270:ILE:CD1	2.94	0.46
2:9M:76:ASN:ND2	2:9M:116:LYS:HG2	2.30	0.46
2:9M:279:ILE:HD11	2:9J:269:LEU:CD1	2.45	0.46
1:1F:19:ASP:OD1	1:1F:19:ASP:C	2.58	0.46
1:4A:18:TYR:HD1	1:4A:18:TYR:O	1.99	0.46
1:6D:230:SER:HG	1:6D:233:TRP:CD1	2.33	0.46
1:7A:256:GLU:OE2	1:7A:266:LYS:NZ	2.49	0.46
1:1H:275:PHE:CD2	1:1H:275:PHE:N	2.81	0.46
1:1J:354:VAL:O	1:1J:354:VAL:CG1	2.59	0.46
1:2G:19:ASP:OD1	1:2G:19:ASP:C	2.57	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2J:446:ALA:O	2:2i:55:VAL:HA	2.16	0.46
1:4G:18:TYR:O	1:4G:18:TYR:CD1	2.69	0.46
1:4J:30:ASP:OD1	1:4J:30:ASP:C	2.59	0.46
1:4J:355:SER:CB	1:4J:356:PRO:CD	2.93	0.46
1:4L:95:ARG:O	1:4L:96:THR:CB	2.64	0.46
1:5H:252:ASP:O	1:5H:255:LEU:N	2.47	0.46
1:5K:440:ASN:OD1	1:5K:440:ASN:C	2.58	0.46
1:5L:245:GLU:H	1:5L:245:GLU:CD	2.14	0.46
1:8I:36:VAL:N	1:8I:37:PRO:CD	2.79	0.46
1:1O:205:SER:OG	1:1O:206:SER:N	2.49	0.46
1:2K:268:PHE:N	1:2K:268:PHE:CD1	2.82	0.46
1:2L:120:PHE:O	1:2L:121:GLU:HB2	2.16	0.46
1:2O:91:ILE:O	1:2O:91:ILE:HG22	2.15	0.46
1:4M:36:VAL:N	1:4M:37:PRO:HD2	2.31	0.46
1:4R:227:PRO:O	1:4R:228:GLN:HB2	2.16	0.46
1:5N:154:VAL:O	1:5N:155:SER:CB	2.64	0.46
1:5P:61:PHE:CD1	1:5P:61:PHE:C	2.92	0.46
1:5Q:440:ASN:OD1	1:5Q:440:ASN:C	2.58	0.46
1:5R:32:PHE:N	1:5R:32:PHE:CD1	2.83	0.46
1:5R:422:THR:HG21	1:5R:427:LYS:CD	2.44	0.46
1:6O:235:SER:O	1:6O:236:MET:HB2	2.14	0.46
1:6O:402:LEU:HD23	1:6O:402:LEU:C	2.40	0.46
1:6P:36:VAL:N	1:6P:37:PRO:CD	2.79	0.46
1:7O:445:GLY:N	2:7m:53:THR:OG1	2.49	0.46
1:8P:245:GLU:OE1	1:8P:245:GLU:N	2.30	0.46
1:1V:314:ASN:O	1:1V:316:ARG:N	2.49	0.46
1:2Q:395:ALA:HB3	2:2q:107:LEU:CG	2.44	0.46
1:2R:358:ILE:O	1:2R:358:ILE:CG2	2.64	0.46
1:2S:397:THR:CA	2:2o:107:LEU:HB2	2.34	0.46
1:5T:81:ASN:OD1	1:5T:81:ASN:C	2.56	0.46
1:5X:111:ASP:OD1	1:5X:111:ASP:C	2.57	0.46
1:5X:424:ASP:HB3	1:5X:427:LYS:HE2	1.96	0.46
1:1b:314:ASN:O	1:1b:316:ARG:N	2.49	0.46
1:1c:314:ASN:OD1	1:1c:314:ASN:C	2.58	0.46
1:2V:36:VAL:N	1:2V:37:PRO:HD2	2.31	0.46
1:2W:358:ILE:O	1:2W:358:ILE:CG2	2.64	0.46
1:2X:283:ASP:OD2	1:2X:283:ASP:C	2.57	0.46
1:3c:355:SER:HB2	1:3c:356:PRO:HD2	1.97	0.46
1:5b:61:PHE:C	1:5b:61:PHE:CD1	2.92	0.46
1:6Y:355:SER:HB3	1:6Y:356:PRO:HD3	1.98	0.46
1:6Y:447:GLN:CD	2:6x:56:ASN:O	2.53	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7Y:28:GLN:HG2	2:5n:52:LEU:CD1	2.46	0.46
1:8Y:156:TRP:O	1:8Y:158:ASN:N	2.48	0.46
1:8a:36:VAL:N	1:8a:37:PRO:CD	2.79	0.46
2:1e:111:VAL:HG13	2:2Z:57:MET:CE	2.46	0.46
2:1f:239:THR:N	2:2a:247:LYS:CB	2.78	0.46
2:2b:209:LEU:HD11	2:3e:222:LEU:HD23	1.97	0.46
2:2c:175:PHE:HE1	2:3l:175:PHE:CE2	2.33	0.46
2:2d:266:LEU:HA	2:3k:266:LEU:HD11	1.96	0.46
2:3e:196:LEU:HB3	2:4e:200:LEU:CD2	2.46	0.46
2:3h:28:ILE:CB	2:4n:73:VAL:CG1	2.94	0.46
2:3h:41:TYR:CE1	2:4n:97:TYR:OH	2.68	0.46
2:3h:120:ILE:HG13	2:2w:125:ILE:HA	1.98	0.46
2:3h:242:LEU:CD1	2:4n:244:GLY:CA	2.89	0.46
2:4e:215:THR:H	2:4e:218:ASN:HD22	1.63	0.46
2:5e:279:ILE:C	2:6g:248:GLY:O	2.58	0.46
2:5f:61:ALA:HB2	2:6v:59:PRO:HB3	1.98	0.46
2:5f:273:LEU:HD21	2:6v:279:ILE:HG21	1.98	0.46
2:6f:59:PRO:HB3	2:5h:61:ALA:HB2	1.98	0.46
2:6g:200:LEU:HD22	2:7Z:200:LEU:CD1	2.46	0.46
2:7a:200:LEU:O	2:6v:197:GLN:HG3	2.16	0.46
2:7b:148[B]:ILE:HD13	2:6u:148[B]:ILE:HD13	1.98	0.46
2:7c:118:ILE:HD12	2:8j:114:ARG:HH12	1.80	0.46
2:7c:219:LYS:HG2	2:8j:226:ILE:HA	1.98	0.46
2:8e:41:TYR:CZ	2:8e:57:MET:SD	3.08	0.46
2:8e:62:ALA:HA	2:8e:112:ILE:HD12	1.98	0.46
2:8g:174:LEU:HD11	2:9G:174:LEU:CD2	2.42	0.46
2:8h:41:TYR:CZ	2:8h:57:MET:SD	3.08	0.46
2:9F:239:THR:H	2:9O:247:LYS:HB3	1.76	0.46
2:1i:111:VAL:HG13	2:2e:57:MET:HE2	1.98	0.46
2:1k:180:VAL:CG1	2:3k:184:LEU:HA	2.45	0.46
2:1l:215:THR:H	2:1l:218:ASN:HD22	1.64	0.46
2:2f:215:THR:H	2:2f:218:ASN:HD22	1.64	0.46
2:2f:238:THR:CA	2:3j:247:LYS:HB2	2.45	0.46
2:2h:228:ALA:HA	2:3p:223:ARG:HB3	1.53	0.46
2:2i:266:LEU:HA	2:3o:266:LEU:HD11	1.96	0.46
2:3k:41:TYR:CZ	2:3k:57:MET:SD	3.08	0.46
2:6i:250:ALA:HB2	2:8o:280:SER:C	2.40	0.46
2:6j:203:ASN:ND2	2:5j:212:GLY:CA	2.79	0.46
2:6k:228:ALA:CA	2:7e:223:ARG:CG	2.94	0.46
2:6l:126:LYS:HG3	2:8p:119:SER:HB3	1.94	0.46
2:6l:234:LEU:HD21	2:7h:243:GLY:HA2	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7h:184:LEU:HB3	2:8p:175:PHE:CE1	2.51	0.46
2:8k:132:GLY:HA3	2:9G:136:LEU:CA	2.45	0.46
2:8k:259:VAL:HG11	2:9G:258:ASP:O	2.12	0.46
2:8m:158[A]:ILE:HD11	2:8q:158[A]:ILE:HG12	1.98	0.46
2:8m:175:PHE:CZ	2:9H:175:PHE:HZ	2.33	0.46
2:1o:97:TYR:CZ	2:1o:111:VAL:CB	2.82	0.46
2:1o:200:LEU:CA	2:3o:193:LYS:HG2	2.45	0.46
2:2k:227:GLY:O	2:3n:230:VAL:CG1	2.57	0.46
2:2l:244:GLY:HA2	2:3m:243:GLY:H	1.71	0.46
2:2m:175:PHE:HE1	2:3t:175:PHE:CE2	2.33	0.46
2:3m:215:THR:H	2:3m:218:ASN:HD22	1.64	0.46
2:3m:278:ILE:CD1	2:4i:278:ILE:O	2.64	0.46
2:3o:110:LEU:HD12	2:3o:110:LEU:O	2.16	0.46
2:6m:41:TYR:CZ	2:6m:57:MET:SD	3.08	0.46
2:6n:59:PRO:HB3	2:5l:61:ALA:HB2	1.98	0.46
2:6n:203:ASN:ND2	2:5l:212:GLY:CA	2.79	0.46
2:6p:263:VAL:HG13	2:8v:254:SER:OG	2.16	0.46
2:7m:184:LEU:HB3	2:8v:175:PHE:CE1	2.51	0.46
2:8v:126:LYS:C	2:8v:126:LYS:CD	2.86	0.46
2:1q:193:LYS:CD	2:2o:202:SER:HB3	2.46	0.46
2:1r:200:LEU:HD13	2:3r:200:LEU:HD13	1.98	0.46
2:2o:215:THR:H	2:2o:218:ASN:HD22	1.64	0.46
2:2s:258:ASP:C	2:3w:259:VAL:HG11	2.40	0.46
2:2s:259:VAL:HG11	2:1w:258:ASP:N	2.31	0.46
2:4k:215:THR:H	2:4k:218:ASN:HD22	1.63	0.46
2:5k:183:PHE:CE2	2:6s:183:PHE:CE2	3.03	0.46
2:5l:110:LEU:HD12	2:5l:110:LEU:O	2.16	0.46
2:6q:41:TYR:CZ	2:6q:57:MET:SD	3.08	0.46
2:6r:111:VAL:HG13	2:7u:57:MET:CE	2.45	0.46
2:6s:199:LEU:HD12	2:7o:183:PHE:CE1	2.51	0.46
2:6s:200:LEU:HD22	2:7o:200:LEU:CD1	2.46	0.46
2:8x:96:GLY:HA2	2:8x:112:ILE:O	2.15	0.46
2:8y:158[A]:ILE:HD11	2:9M:158[A]:ILE:HG12	1.98	0.46
2:8y:223:ARG:N	2:9J:226:ILE:HB	2.30	0.46
2:8y:247:LYS:HB3	2:9J:239:THR:H	1.76	0.46
2:1w:97:TYR:OH	2:1w:111:VAL:HB	2.15	0.46
2:1w:148[A]:ILE:HG23	2:3w:145:ARG:HG2	1.98	0.46
2:1w:228:ALA:C	2:3w:231:PRO:CG	2.87	0.46
2:3v:163:THR:H	2:3v:166:ASN:ND2	2.09	0.46
2:5n:62:ALA:HA	2:5n:112:ILE:HD12	1.98	0.46
2:6u:62:ALA:HA	2:6u:112:ILE:HD12	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6w:228:ALA:CA	2:7t:223:ARG:CG	2.94	0.46
2:7w:245:VAL:O	2:9R:243:GLY:O	2.33	0.46
2:7x:215:THR:H	2:7x:218:ASN:HD22	1.64	0.46
2:9M:209:LEU:CD2	2:9J:209:LEU:CG	2.94	0.46
1:1C:205:SER:OG	1:1C:206:SER:N	2.49	0.46
1:2A:407:ASN:CG	2:2c:45:LYS:HG3	2.41	0.46
1:2B:241:ARG:HD2	1:2B:241:ARG:C	2.41	0.46
1:2C:358:ILE:O	1:2C:358:ILE:CG2	2.64	0.46
1:2D:283:ASP:OD2	1:2D:283:ASP:C	2.57	0.46
1:3A:19:ASP:OD1	1:3A:19:ASP:C	2.59	0.46
1:3C:438:ARG:HH11	1:3C:438:ARG:CG	2.27	0.46
1:1J:444:GLY:HA2	2:1l:44:VAL:HG21	1.98	0.46
1:2G:36:VAL:N	1:2G:37:PRO:HD2	2.31	0.46
1:3K:397:THR:OG1	1:3K:399:ASP:OD1	2.30	0.46
1:4L:397:THR:O	1:4L:397:THR:CG2	2.62	0.46
1:5L:422:THR:HG21	1:5L:427:LYS:HE3	1.98	0.46
1:6J:314:ASN:OD1	1:6J:314:ASN:O	2.33	0.46
1:8G:448:ALA:CB	2:8k:41:TYR:HE1	2.27	0.46
1:8L:274:ASP:OD1	1:8L:274:ASP:C	2.57	0.46
1:1N:334:ARG:O	1:1N:335:PHE:HB2	2.16	0.46
1:1P:314:ASN:O	1:1P:316:ARG:N	2.49	0.46
1:1Q:314:ASN:OD1	1:1Q:314:ASN:C	2.58	0.46
1:2L:398:GLY:HA2	2:2l:106:GLN:OE1	2.16	0.46
1:2L:446:ALA:HA	2:2l:42:VAL:O	2.16	0.46
1:2M:358:ILE:O	1:2M:358:ILE:CG2	2.64	0.46
1:3N:170:ILE:O	1:3N:171:TYR:HB2	2.14	0.46
1:5R:205:SER:OG	1:5R:206:SER:N	2.49	0.46
1:5R:444:GLY:HA2	2:5j:44:VAL:N	2.20	0.46
1:6P:252:ASP:O	1:6P:253:ALA:CB	2.63	0.46
1:6P:314:ASN:OD1	1:6P:314:ASN:O	2.33	0.46
1:7K:19:ASP:OD1	1:7K:19:ASP:C	2.59	0.46
1:7K:266:LYS:O	1:7K:266:LYS:HG2	2.11	0.46
1:1U:205:SER:OG	1:1U:206:SER:N	2.49	0.46
1:1V:440:ASN:OD1	1:1V:440:ASN:C	2.54	0.46
1:2Q:120:PHE:O	1:2Q:121:GLU:HB2	2.16	0.46
1:3V:20:ILE:O	1:3V:22:ASN:N	2.49	0.46
1:3V:64:SER:OG	1:3V:65:LEU:N	2.49	0.46
1:4U:151:THR:OG1	1:5a:59:ASN:ND2	2.48	0.46
1:5T:36:VAL:N	1:5T:37:PRO:HD2	2.30	0.46
1:5V:412:LEU:HB2	1:5V:435:VAL:HB	1.97	0.46
1:5W:7:ASP:O	1:5W:9:LYS:N	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5W:440:ASN:OD1	1:5W:440:ASN:C	2.58	0.46
1:6S:355:SER:HB3	1:6S:356:PRO:HD3	1.98	0.46
1:6U:397:THR:HG22	1:6U:397:THR:O	2.15	0.46
1:6V:317:GLY:O	1:6V:319:TYR:N	2.49	0.46
1:6W:7:ASP:OD1	1:6W:7:ASP:C	2.57	0.46
1:7P:272:ARG:NE	1:7P:272:ARG:HA	2.31	0.46
1:8S:445:GLY:O	2:8w:44:VAL:HG21	2.15	0.46
1:8U:252:ASP:O	1:8U:253:ALA:CB	2.63	0.46
1:1d:356:PRO:CD	1:1d:369:PHE:HD2	2.16	0.46
1:2W:382:LYS:NZ	2:2u:103:GLN:NE2	2.64	0.46
1:5b:310:GLU:OE1	1:5b:310:GLU:HA	2.16	0.46
1:5d:101:TYR:CD2	1:5d:101:TYR:C	2.94	0.46
2:1e:129:GLY:HA3	2:1l:138:ILE:O	2.15	0.46
2:1e:183:PHE:CD1	2:2Z:199:LEU:HB3	2.50	0.46
2:1f:247:LYS:H	2:3f:239:THR:CA	2.29	0.46
2:1h:61:ALA:HB2	2:1u:59:PRO:N	2.31	0.46
2:2a:127:ASP:CG	2:3f:122:VAL:H	2.22	0.46
2:2b:222:LEU:HD13	2:3e:226:ILE:HG21	1.89	0.46
2:2d:231:PRO:CG	2:3k:229:GLY:CA	2.93	0.46
2:3g:62:ALA:HA	2:3g:112:ILE:HD12	1.98	0.46
2:3g:110:LEU:HD12	2:3g:110:LEU:O	2.16	0.46
2:3g:229:GLY:HA3	2:2x:230:VAL:C	2.41	0.46
2:3g:229:GLY:CA	2:2x:231:PRO:CG	2.93	0.46
2:5e:148[B]:ILE:HD13	2:6g:148[B]:ILE:HD13	1.98	0.46
2:5f:215:THR:H	2:5f:218:ASN:HD22	1.64	0.46
2:6e:110:LEU:HD12	2:6e:110:LEU:O	2.16	0.46
2:7c:246:LYS:HE2	2:8j:241:THR:C	2.41	0.46
2:8e:209:LEU:CD2	2:9F:209:LEU:CG	2.94	0.46
2:8e:259:VAL:HG13	2:9F:259:VAL:CA	2.00	0.46
2:8g:120:ILE:HD12	2:8k:120:ILE:HD11	1.97	0.46
2:1j:126:LYS:C	2:1j:126:LYS:CD	2.85	0.46
2:1k:129:GLY:HA3	2:3k:138:ILE:C	2.41	0.46
2:1l:62:ALA:HA	2:1l:112:ILE:HD12	1.98	0.46
2:2e:136:LEU:HD12	2:1p:132:GLY:C	2.41	0.46
2:2f:57:MET:CE	2:3j:111:VAL:HG13	2.46	0.46
2:2g:230:VAL:HA	2:3i:229:GLY:N	2.31	0.46
2:2h:125:ILE:HA	2:3p:120:ILE:HG13	1.98	0.46
2:2i:193:LYS:HE3	2:3o:198:GLN:O	2.16	0.46
2:3i:148[B]:ILE:CD1	2:4g:148[B]:ILE:CD1	2.94	0.46
2:3k:110:LEU:HD12	2:3k:110:LEU:O	2.16	0.46
2:5h:41:TYR:CZ	2:5h:57:MET:SD	3.08	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:251:VAL:CG2	2:8o:270:ILE:CD1	2.94	0.46
2:6j:28:ILE:HB	2:5j:73:VAL:CG1	2.46	0.46
2:6j:232:TYR:CD2	2:7k:232:TYR:CD1	3.04	0.46
2:6k:243:GLY:H	2:7e:244:GLY:HA2	1.74	0.46
2:6l:158[A]:ILE:HD11	2:8p:158[A]:ILE:HG12	1.98	0.46
2:6l:163:THR:H	2:6l:166:ASN:ND2	2.09	0.46
2:6l:215:THR:H	2:6l:218:ASN:HD22	1.63	0.46
2:7g:179:ASN:ND2	2:7g:192:ASN:HD22	2.11	0.46
2:8k:232:TYR:CE1	2:9G:232:TYR:C	2.82	0.46
2:8m:223:ARG:N	2:9H:226:ILE:HB	2.31	0.46
2:8n:253:ALA:HB1	2:8r:267:ASN:CG	2.40	0.46
2:1m:183:PHE:CD1	2:2j:199:LEU:HB3	2.50	0.46
2:1o:229:GLY:HA3	2:3o:231:PRO:N	2.29	0.46
2:1o:242:LEU:HA	2:3o:246:LYS:HG2	1.98	0.46
2:2k:238:THR:CA	2:3n:247:LYS:HB2	2.45	0.46
2:2m:222:LEU:HD23	2:3t:209:LEU:CD1	2.42	0.46
2:2m:228:ALA:HA	2:3t:223:ARG:HB3	1.53	0.46
2:2n:119:SER:HB3	2:3s:126:LYS:HB2	1.98	0.46
2:2n:231:PRO:CG	2:3s:229:GLY:CA	2.94	0.46
2:3n:118:ILE:CD1	2:3n:118:ILE:N	2.73	0.46
2:5i:111:VAL:HG22	2:7j:57:MET:HG3	1.96	0.46
2:5i:148[B]:ILE:HD13	2:6o:148[B]:ILE:HD13	1.98	0.46
2:5j:63:TRP:CG	2:5j:112:ILE:HD11	2.50	0.46
2:5j:226:ILE:O	2:7k:223:ARG:CG	2.64	0.46
2:6n:279:ILE:HG21	2:5l:273:LEU:HD21	1.98	0.46
2:6o:200:LEU:HD22	2:7j:200:LEU:CD1	2.46	0.46
2:6o:215:THR:H	2:6o:218:ASN:HD22	1.64	0.46
2:6o:270:ILE:CD1	2:7j:269:LEU:HD22	2.46	0.46
2:7n:179:ASN:ND2	2:7n:192:ASN:HD22	2.11	0.46
2:8q:154:ALA:CB	2:9H:158[B]:ILE:CD1	2.69	0.46
2:8q:206:VAL:HG23	2:9H:212:GLY:CA	2.41	0.46
2:8s:234:LEU:CD2	2:9I:242:LEU:CA	2.93	0.46
2:1r:239:THR:N	2:2p:247:LYS:CB	2.78	0.46
2:2p:127:ASP:CG	2:3r:122:VAL:H	2.22	0.46
2:2r:175:PHE:HE1	2:3x:175:PHE:CE2	2.33	0.46
2:2s:196:LEU:CB	2:3w:200:LEU:HD22	2.41	0.46
2:2s:279:ILE:CD1	2:1w:251:VAL:CG1	2.82	0.46
2:4k:96:GLY:HA2	2:4k:112:ILE:O	2.15	0.46
2:5k:226:ILE:HD11	2:7o:226:ILE:HD13	1.90	0.46
2:6q:73:VAL:HB	2:9K:23:GLN:HG3	1.97	0.46
2:6r:179:ASN:ND2	2:6r:192:ASN:HD22	2.11	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6t:96:GLY:HA2	2:6t:112:ILE:O	2.15	0.46
2:8w:154:ALA:HB1	2:9I:158[A]:ILE:HA	1.93	0.46
2:8w:245:VAL:HG13	2:9I:245:VAL:N	2.31	0.46
2:9K:99:VAL:CG1	2:7v:28:ILE:HD11	2.37	0.46
2:1u:215:THR:H	2:1u:218:ASN:HD22	1.63	0.46
2:1w:242:LEU:HA	2:3w:246:LYS:HG2	1.98	0.46
2:2v:269:LEU:HD22	2:3u:270:ILE:CD1	2.46	0.46
2:3u:196:LEU:HB3	2:4m:200:LEU:CD2	2.46	0.46
2:3x:215:THR:H	2:3x:218:ASN:HD22	1.63	0.46
2:5m:215:THR:H	2:5m:218:ASN:HD22	1.63	0.46
2:5n:63:TRP:CG	2:5n:112:ILE:HD11	2.50	0.46
2:6u:73:VAL:HB	2:9Q:23:GLN:HG3	1.97	0.46
2:6w:270:ILE:CD1	2:7t:269:LEU:HD22	2.46	0.46
2:6x:114:ARG:HH12	2:9R:115:SER:CB	2.29	0.46
2:6x:188:THR:OG1	2:7w:199:LEU:O	2.30	0.46
2:7w:163:THR:H	2:7w:166:ASN:ND2	2.09	0.46
2:9N:179:ASN:ND2	2:9N:192:ASN:HD22	2.11	0.46
2:9Q:96:GLY:HA2	2:9Q:112:ILE:O	2.15	0.46
2:9R:63:TRP:CG	2:9R:112:ILE:HD11	2.50	0.46
2:9J:215:THR:H	2:9J:218:ASN:HD22	1.64	0.46
1:1B:316:ARG:HD3	1:1K:323:TYR:CE1	2.51	0.46
1:2B:37:PRO:O	1:2B:38:LEU:CB	2.63	0.46
1:2B:201:ASP:OD1	1:2B:201:ASP:C	2.59	0.46
1:3D:64:SER:OG	1:3D:65:LEU:N	2.49	0.46
1:5A:81:ASN:OD1	1:5A:81:ASN:C	2.58	0.46
1:6B:397:THR:O	1:6B:397:THR:HG22	2.15	0.46
1:6C:355:SER:O	1:6C:356:PRO:C	2.59	0.46
1:2H:314:ASN:C	1:2H:314:ASN:OD1	2.58	0.46
1:5H:154:VAL:O	1:5H:155:SER:CB	2.64	0.46
1:7G:447:GLN:HE21	2:7g:44:VAL:CG2	2.28	0.46
1:1O:392:THR:HG22	2:1o:107:LEU:HG	1.98	0.46
1:1O:443:SER:OG	1:1O:444:GLY:N	2.48	0.46
1:2L:404:VAL:C	2:2l:16:TYR:HH	2.24	0.46
1:5Q:199:LYS:HG2	1:5Q:202:GLU:HG2	1.95	0.46
1:7K:283:ASP:OD1	1:7K:283:ASP:C	2.55	0.46
1:7N:445:GLY:HA3	2:7j:53:THR:OG1	2.15	0.46
1:7O:442:ALA:HB3	2:7m:45:LYS:HZ3	1.79	0.46
1:8O:36:VAL:N	1:8O:37:PRO:CD	2.79	0.46
1:1T:316:ARG:HD3	1:1c:323:TYR:CE1	2.50	0.46
1:2Q:448:ALA:CB	2:2q:63:TRP:HZ2	2.29	0.46
1:4X:6:ASN:OD1	1:4X:6:ASN:C	2.58	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6T:448:ALA:HB3	2:6s:57:MET:HE1	1.98	0.46
1:6V:36:VAL:N	1:6V:37:PRO:CD	2.79	0.46
1:6V:252:ASP:O	1:6V:253:ALA:CB	2.63	0.46
1:7S:398:GLY:HA2	2:7o:106:GLN:NE2	2.30	0.46
1:8U:36:VAL:N	1:8U:37:PRO:CD	2.79	0.46
1:8W:82:PRO:O	1:8W:83:LEU:HB2	2.16	0.46
1:8W:446:ALA:HA	2:8z:44:VAL:N	2.31	0.46
1:9D:448:ALA:C	2:9I:57:MET:SD	2.99	0.46
1:1a:205:SER:OG	1:1a:206:SER:N	2.49	0.46
1:2V:19:ASP:OD1	1:2V:19:ASP:C	2.57	0.46
1:2V:314:ASN:OD1	1:2V:314:ASN:C	2.59	0.46
1:2X:107:GLU:OE1	1:2Y:140:TYR:OH	2.27	0.46
1:4a:355:SER:O	1:4a:356:PRO:C	2.58	0.46
1:4c:419:ASP:OD1	1:4c:419:ASP:C	2.57	0.46
1:5d:422:THR:HG21	1:5d:427:LYS:HE3	1.98	0.46
1:6Z:407:ASN:CG	2:6w:45:LYS:HA	2.40	0.46
1:7U:447:GLN:CD	2:7x:60:LEU:HD11	2.41	0.46
1:7X:444:GLY:C	2:7t:45:LYS:HZ2	2.23	0.46
1:8Y:137:GLN:O	1:8Y:137:GLN:CG	2.62	0.46
1:8a:447:GLN:CD	2:9R:44:VAL:HG11	2.41	0.46
1:9E:447:GLN:HA	2:9J:56:ASN:H	1.81	0.46
2:1f:62:ALA:HA	2:1f:112:ILE:HD12	1.98	0.46
2:1f:200:LEU:HD13	2:3f:200:LEU:HD13	1.98	0.46
2:1g:200:LEU:O	2:3g:193:LYS:HD3	2.15	0.46
2:1h:132:GLY:C	2:2t:136:LEU:HD12	2.41	0.46
2:1h:202:SER:N	2:2t:193:LYS:HD3	2.31	0.46
2:1h:280:SER:HB2	2:2t:248:GLY:O	2.16	0.46
2:2c:200:LEU:CD1	2:3l:200:LEU:HD22	2.37	0.46
2:2c:201:VAL:HG22	2:3l:197:GLN:HG2	1.97	0.46
2:2c:226:ILE:CG2	2:3l:222:LEU:HD22	2.41	0.46
2:3e:245:VAL:HG22	2:4e:245:VAL:HG13	1.98	0.46
2:4f:244:GLY:CA	2:3l:242:LEU:CD1	2.89	0.46
2:5e:120:ILE:HD12	2:6g:120:ILE:HD13	1.94	0.46
2:5e:175:PHE:CD1	2:6g:171:GLN:NE2	2.84	0.46
2:6e:73:VAL:HB	2:8i:23:GLN:HG3	1.97	0.46
2:6e:247:LYS:HG2	2:8i:278:ILE:O	2.16	0.46
2:6g:126:LYS:N	2:7Z:120:ILE:O	2.47	0.46
2:6g:225:MET:CG	2:7Z:214:PRO:HD3	2.44	0.46
2:6h:234:LEU:HD13	2:7c:234:LEU:CD1	2.45	0.46
2:7Z:19:LEU:N	2:7Z:41:TYR:O	2.46	0.46
2:7c:158[B]:ILE:HD11	2:8j:158[B]:ILE:HD11	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:254:SER:O	2:9O:267:ASN:CG	2.58	0.46
2:8j:215:THR:H	2:8j:218:ASN:HD22	1.64	0.46
2:9F:19:LEU:N	2:9F:41:TYR:O	2.46	0.46
2:1i:38:ILE:HD11	2:1i:114:ARG:CZ	2.34	0.46
2:1i:200:LEU:HD22	2:1p:200:LEU:CD1	2.45	0.46
2:1j:62:ALA:HA	2:1j:112:ILE:HD12	1.97	0.46
2:1j:242:LEU:HD13	2:2f:235:PRO:C	2.41	0.46
2:1k:183:PHE:CG	2:3k:183:PHE:CZ	2.95	0.46
2:2f:222:LEU:HD23	2:3j:209:LEU:HD11	1.98	0.46
2:2g:247:LYS:CG	2:3i:280:SER:OG	2.43	0.46
2:4h:110:LEU:HD12	2:4h:110:LEU:O	2.16	0.46
2:6i:110:LEU:HD12	2:6i:110:LEU:O	2.16	0.46
2:6j:197:GLN:HG3	2:7k:200:LEU:O	2.16	0.46
2:6k:41:TYR:CZ	2:6k:57:MET:SD	3.08	0.46
2:6k:62:ALA:HA	2:6k:112:ILE:HD12	1.98	0.46
2:6k:270:ILE:HD11	2:7e:269:LEU:HD22	1.97	0.46
2:6k:279:ILE:HG22	2:7e:273:LEU:HD23	1.98	0.46
2:8m:270:ILE:HG21	2:8q:253:ALA:N	2.30	0.46
2:8n:62:ALA:HA	2:8n:112:ILE:HD12	1.97	0.46
2:1o:131:THR:OG1	2:3o:140:THR:CA	2.63	0.46
2:1o:148[A]:ILE:HG23	2:3o:145:ARG:HG2	1.97	0.46
2:1o:215:THR:H	2:1o:218:ASN:HD22	1.63	0.46
2:1o:280:SER:OG	2:3o:249:ALA:HA	2.16	0.46
2:2l:269:LEU:HD22	2:3m:270:ILE:CD1	2.46	0.46
2:2n:193:LYS:HE3	2:3s:198:GLN:O	2.16	0.46
2:3m:231:PRO:HD3	2:4i:228:ALA:C	2.41	0.46
2:3n:96:GLY:HA2	2:3n:112:ILE:O	2.15	0.46
2:5i:99:VAL:HB	2:7j:5:PHE:CD1	2.51	0.46
2:6m:247:LYS:CE	2:8u:277:GLY:HA2	2.46	0.46
2:6n:97:TYR:CZ	2:6n:111:VAL:CB	2.82	0.46
2:6n:197:GLN:HG3	2:7p:200:LEU:O	2.16	0.46
2:6n:223:ARG:HH11	2:7p:227:GLY:HA3	1.78	0.46
2:6p:96:GLY:HA2	2:6p:112:ILE:O	2.15	0.46
2:6p:114:ARG:HH12	2:8v:115:SER:CB	2.29	0.46
2:8q:163:THR:H	2:8q:166:ASN:ND2	2.09	0.46
2:8q:279:ILE:HD11	2:9H:269:LEU:CD1	2.45	0.46
2:8r:96:GLY:HA2	2:8r:112:ILE:O	2.15	0.46
2:8s:120:ILE:HD12	2:8w:120:ILE:HD11	1.97	0.46
2:8s:223:ARG:N	2:9I:226:ILE:HB	2.30	0.46
2:8t:239:THR:HA	2:7s:247:LYS:N	2.31	0.46
2:8t:239:THR:CG2	2:7s:247:LYS:CD	2.85	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8u:61:ALA:CB	2:7q:57:MET:HB3	2.33	0.46
2:1q:234:LEU:CG	2:2o:242:LEU:HB2	2.39	0.46
2:1r:242:LEU:HD13	2:2p:235:PRO:C	2.41	0.46
2:1r:247:LYS:H	2:3r:239:THR:CA	2.29	0.46
2:2r:226:ILE:CG2	2:3x:222:LEU:HD22	2.41	0.46
2:2s:19:LEU:N	2:2s:41:TYR:O	2.46	0.46
2:3q:184:LEU:HD13	2:4k:175:PHE:HE1	1.79	0.46
2:3s:215:THR:H	2:3s:218:ASN:HD22	1.64	0.46
2:4l:41:TYR:CZ	2:4l:57:MET:SD	3.08	0.46
2:4l:110:LEU:HD12	2:4l:110:LEU:O	2.16	0.46
2:6s:228:ALA:CA	2:7o:223:ARG:CG	2.94	0.46
2:6s:270:ILE:CD1	2:7o:269:LEU:HD22	2.46	0.46
2:7r:245:VAL:HG21	2:9L:245:VAL:CG1	2.35	0.46
2:7r:251:VAL:CG2	2:9L:270:ILE:HG21	2.34	0.46
2:7s:23:GLN:HG3	2:8x:73:VAL:O	2.16	0.46
2:7s:77:LEU:HD12	2:7s:110:LEU:CD1	2.46	0.46
2:8y:120:ILE:HD12	2:9M:120:ILE:HD11	1.97	0.46
2:9L:62:ALA:HA	2:9L:112:ILE:HD12	1.98	0.46
2:1v:206:VAL:HG21	2:2u:209:LEU:O	2.16	0.46
2:1v:226:ILE:HG22	2:2u:222:LEU:CD1	2.44	0.46
2:2u:215:THR:H	2:2u:218:ASN:HD22	1.64	0.46
2:2v:219:LYS:HB3	2:3u:226:ILE:O	2.16	0.46
2:2v:223:ARG:HG2	2:3u:228:ALA:CB	2.32	0.46
2:2w:77:LEU:HD12	2:2w:110:LEU:CD1	2.46	0.46
2:5m:175:PHE:CD1	2:6w:171:GLN:NE2	2.84	0.46
2:6u:110:LEU:HD12	2:6u:110:LEU:O	2.16	0.46
2:7t:77:LEU:HD12	2:7t:110:LEU:CD1	2.46	0.46
2:9M:240:THR:N	2:9J:246:LYS:HZ3	2.11	0.46
1:2C:30:ASP:OD1	1:2C:30:ASP:C	2.59	0.46
1:2E:230:SER:OG	1:2E:231:ARG:N	2.48	0.46
1:3C:397:THR:OG1	1:3C:399:ASP:OD1	2.32	0.46
1:4C:36:VAL:N	1:4C:37:PRO:HD2	2.31	0.46
1:5B:135:ASN:N	1:5B:135:ASN:OD1	2.45	0.46
1:5B:310:GLU:HB3	1:4a:315:PRO:HB3	1.97	0.46
1:5F:245:GLU:H	1:5F:245:GLU:CD	2.14	0.46
1:5F:259:LEU:HD13	1:5F:259:LEU:HA	1.79	0.46
1:8C:362:LYS:HA	1:8C:438:ARG:HB3	1.97	0.46
1:8C:447:GLN:CG	2:8j:44:VAL:CG1	2.92	0.46
1:8F:331:SER:OG	1:8F:332:VAL:N	2.46	0.46
1:1L:245:GLU:OE1	1:1L:245:GLU:N	2.34	0.46
1:2G:37:PRO:O	1:2G:38:LEU:CB	2.63	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2H:270:MET:O	1:2H:271:ASN:HB2	2.16	0.46
1:2J:58:GLN:O	1:2J:58:GLN:HG2	2.16	0.46
1:4I:36:VAL:N	1:4I:37:PRO:HD2	2.32	0.46
1:4L:358:ILE:O	1:4L:358:ILE:CG2	2.63	0.46
1:8K:82:PRO:O	1:8K:83:LEU:HB2	2.16	0.46
1:9B:331:SER:OG	1:9B:332:VAL:N	2.49	0.46
1:1N:124:MET:HA	1:1N:125:PRO:HD3	1.84	0.46
1:1O:200:ILE:HG22	1:1O:216:LYS:HD2	1.97	0.46
1:1Q:118:LYS:O	1:1Q:120:PHE:N	2.48	0.46
1:2O:58:GLN:O	1:2O:58:GLN:HG2	2.16	0.46
1:4O:228:GLN:OE1	1:4O:228:GLN:N	2.29	0.46
1:4P:36:VAL:N	1:4P:37:PRO:CD	2.79	0.46
1:4R:205:SER:OG	1:4R:206:SER:N	2.47	0.46
1:5O:230:SER:OG	1:5O:231:ARG:N	2.49	0.46
1:6R:19:ASP:OD1	1:6R:19:ASP:C	2.58	0.46
1:7K:256:GLU:OE2	1:7K:266:LYS:NZ	2.49	0.46
1:7K:272:ARG:NE	1:7K:272:ARG:HA	2.31	0.46
1:7K:428:LEU:HD23	1:7K:428:LEU:H	1.79	0.46
1:8Q:82:PRO:O	1:8Q:83:LEU:HB2	2.16	0.46
1:9C:331:SER:OG	1:9C:332:VAL:N	2.49	0.46
1:1U:111:ASP:OD1	1:1U:111:ASP:C	2.59	0.46
1:2Q:241:ARG:HD2	1:2Q:241:ARG:C	2.41	0.46
1:3X:111:ASP:OD1	1:3X:111:ASP:C	2.57	0.46
1:3X:355:SER:HB3	1:3X:356:PRO:CD	2.46	0.46
1:4X:54:ASN:OD1	1:4X:54:ASN:C	2.59	0.46
1:5U:252:ASP:O	1:5U:253:ALA:CB	2.63	0.46
1:6U:355:SER:O	1:6U:356:PRO:C	2.59	0.46
1:7T:355:SER:HB3	1:7T:356:PRO:HD3	1.97	0.46
1:7T:444:GLY:O	2:7r:45:LYS:HE3	2.15	0.46
1:8W:111:ASP:OD1	1:8W:111:ASP:C	2.58	0.46
1:9D:331:SER:OG	1:9D:332:VAL:N	2.49	0.46
1:1a:36:VAL:N	1:1a:37:PRO:CD	2.79	0.46
1:2W:36:VAL:N	1:2W:37:PRO:HD2	2.31	0.46
1:2Y:19:ASP:OD1	1:2Y:19:ASP:C	2.59	0.46
1:3b:63:THR:O	1:3b:63:THR:CG2	2.60	0.46
1:3c:443:SER:HB3	2:3v:45:LYS:CE	2.46	0.46
1:6Y:19:ASP:OD1	1:6Y:19:ASP:C	2.58	0.46
1:6Y:448:ALA:O	2:6x:59:PRO:N	2.49	0.46
1:7V:314:ASN:C	1:7V:314:ASN:OD1	2.57	0.46
1:8a:331:SER:OG	1:8a:332:VAL:N	2.47	0.46
1:9E:111:ASP:OD1	1:9E:111:ASP:C	2.58	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9E:397:THR:HG22	2:9J:107:LEU:HD12	1.98	0.46
2:1f:247:LYS:C	2:3f:239:THR:HG22	2.41	0.46
2:1g:215:THR:H	2:1g:218:ASN:HD22	1.63	0.46
2:1g:229:GLY:CA	2:3g:231:PRO:CB	2.89	0.46
2:1g:273:LEU:CD2	2:3g:273:LEU:HD21	2.42	0.46
2:2Z:215:THR:H	2:2Z:218:ASN:HD22	1.64	0.46
2:2a:280:SER:OG	2:3f:247:LYS:HG2	2.16	0.46
2:3e:278:ILE:CD1	2:4e:278:ILE:O	2.64	0.46
2:3f:215:THR:H	2:3f:218:ASN:HD22	1.63	0.46
2:3g:226:ILE:C	2:2x:219:LYS:HE2	2.41	0.46
2:6e:251:VAL:CG2	2:8i:270:ILE:CD1	2.94	0.46
2:6h:263:VAL:HG13	2:8j:254:SER:OG	2.16	0.46
2:7b:73:VAL:HG21	2:6u:26:ASP:OD1	2.16	0.46
2:7b:75:ASP:HA	2:6u:23:GLN:HE22	1.80	0.46
2:7d:215:THR:H	2:7d:218:ASN:HD22	1.64	0.46
2:8e:76:ASN:ND2	2:8e:116:LYS:HG2	2.30	0.46
2:8e:180:VAL:HG21	2:9F:183:PHE:O	2.14	0.46
2:8g:175:PHE:HZ	2:9G:175:PHE:CZ	2.34	0.46
2:8g:246:LYS:CE	2:9G:240:THR:O	2.45	0.46
2:8g:247:LYS:HG2	2:9G:239:THR:CG2	2.40	0.46
2:1i:111:VAL:HG13	2:2e:57:MET:CE	2.46	0.46
2:1l:76:ASN:ND2	2:1l:116:LYS:HG2	2.30	0.46
2:2e:193:LYS:HD3	2:1p:202:SER:N	2.31	0.46
2:2g:122:VAL:N	2:3i:127:ASP:OD1	2.45	0.46
2:2g:212:GLY:HA3	2:3i:203:ASN:CB	2.45	0.46
2:2g:214:PRO:CG	2:3i:225:MET:HG3	2.32	0.46
2:2i:132:GLY:HA3	2:1o:136:LEU:HA	1.98	0.46
2:2i:223:ARG:HD3	2:3o:228:ALA:HA	1.98	0.46
2:5g:163:THR:H	2:5g:166:ASN:ND2	2.09	0.46
2:5h:62:ALA:HA	2:5h:112:ILE:HD12	1.98	0.46
2:6k:200:LEU:HD22	2:7e:200:LEU:CD1	2.46	0.46
2:7f:77:LEU:HD12	2:7f:110:LEU:CD1	2.46	0.46
2:7h:138:ILE:O	2:8p:132:GLY:N	2.37	0.46
2:8k:150:GLU:CG	2:9G:141:PRO:CB	2.92	0.46
2:8k:239:THR:C	2:9G:246:LYS:CD	2.84	0.46
2:8m:2:MET:HE1	2:8q:58:TYR:HB3	1.98	0.46
2:1n:110:LEU:HD12	2:1n:110:LEU:O	2.16	0.46
2:1p:215:THR:H	2:1p:218:ASN:HD22	1.64	0.46
2:2k:120:ILE:CD1	2:3n:120:ILE:CD1	2.61	0.46
2:2l:57:MET:SD	2:4i:111:VAL:CG2	3.04	0.46
2:2m:160:GLY:HA2	2:4j:173:LEU:HD13	1.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:132:GLY:HA3	2:1s:136:LEU:HA	1.98	0.46
2:3m:148[B]:ILE:CD1	2:4i:148[B]:ILE:CD1	2.94	0.46
2:3o:41:TYR:CZ	2:3o:57:MET:SD	3.08	0.46
2:4j:73:VAL:CG1	2:3t:28:ILE:CB	2.94	0.46
2:6m:139:ASN:HA	2:8u:130:ASP:N	2.31	0.46
2:6m:215:THR:H	2:6m:218:ASN:HD22	1.64	0.46
2:6n:28:ILE:HB	2:5l:73:VAL:CG1	2.46	0.46
2:6n:111:VAL:HG13	2:7p:57:MET:HE2	1.98	0.46
2:6n:111:VAL:HG13	2:7p:57:MET:CE	2.45	0.46
2:6n:225:MET:CG	2:5l:214:PRO:HG3	2.45	0.46
2:6o:62:ALA:HA	2:6o:112:ILE:HD12	1.98	0.46
2:6o:240:THR:HA	2:7j:246:LYS:CE	2.45	0.46
2:6p:215:THR:H	2:6p:218:ASN:HD22	1.63	0.46
2:6p:279:ILE:CD1	2:8v:251:VAL:HG11	2.43	0.46
2:7k:179:ASN:ND2	2:7k:192:ASN:HD22	2.11	0.46
2:8q:63:TRP:CG	2:8q:112:ILE:HD11	2.50	0.46
2:8q:126:LYS:C	2:8q:126:LYS:CD	2.85	0.46
2:8q:148[A]:ILE:HG12	2:9H:144:ALA:HB1	1.97	0.46
2:8q:154:ALA:HB1	2:9H:158[A]:ILE:HA	1.93	0.46
2:8s:215:THR:H	2:8s:218:ASN:HD22	1.63	0.46
2:8s:270:ILE:HG21	2:8w:253:ALA:N	2.31	0.46
2:8v:110:LEU:HD12	2:8v:110:LEU:O	2.16	0.46
2:1q:59:PRO:N	2:1x:61:ALA:HB2	2.31	0.46
2:1s:180:VAL:CG1	2:3s:184:LEU:HA	2.45	0.46
2:1s:199:LEU:O	2:3s:193:LYS:CG	2.64	0.46
2:1s:280:SER:OG	2:3s:249:ALA:HA	2.16	0.46
2:1t:215:THR:H	2:1t:218:ASN:HD22	1.64	0.46
2:2p:127:ASP:CG	2:3r:122:VAL:HG23	2.40	0.46
2:2r:77:LEU:HD12	2:2r:110:LEU:CD1	2.46	0.46
2:2r:215:THR:H	2:2r:218:ASN:HD22	1.64	0.46
2:2s:244:GLY:HA3	2:3w:243:GLY:C	2.38	0.46
2:3q:245:VAL:HG22	2:4k:245:VAL:HG13	1.98	0.46
2:3s:110:LEU:HD12	2:3s:110:LEU:O	2.16	0.46
2:5k:99:VAL:HB	2:7o:5:PHE:CD1	2.51	0.46
2:5k:148[B]:ILE:HD13	2:6s:148[B]:ILE:HD13	1.98	0.46
2:6q:110:LEU:HD12	2:6q:110:LEU:O	2.16	0.46
2:6q:139:ASN:HA	2:9K:130:ASP:N	2.30	0.46
2:6r:242:LEU:HD21	2:5n:236:ALA:HA	1.97	0.46
2:6r:244:GLY:C	2:7u:242:LEU:CD2	2.89	0.46
2:6t:267:ASN:HD21	2:9L:254:SER:C	2.18	0.46
2:8w:163:THR:H	2:8w:166:ASN:ND2	2.09	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:173:LEU:HD13	2:9I:157:LEU:HD12	1.98	0.46
2:8w:209:LEU:CD2	2:9I:209:LEU:CG	2.94	0.46
2:8y:129:GLY:CA	2:9M:139:ASN:HA	2.45	0.46
2:8z:62:ALA:HA	2:8z:112:ILE:HD12	1.97	0.46
2:1w:129:GLY:HA3	2:3w:138:ILE:C	2.41	0.46
2:2t:77:LEU:HD12	2:2t:110:LEU:CD1	2.46	0.46
2:2u:57:MET:CE	2:3v:111:VAL:HG13	2.46	0.46
2:2u:227:GLY:O	2:3v:230:VAL:CG1	2.57	0.46
2:2v:57:MET:SD	2:4m:111:VAL:CG2	3.04	0.46
2:3w:110:LEU:HD12	2:3w:110:LEU:O	2.16	0.46
2:6u:139:ASN:HA	2:9Q:130:ASP:N	2.31	0.46
2:6w:126:LYS:N	2:7t:120:ILE:O	2.47	0.46
2:6w:240:THR:HA	2:7t:246:LYS:CE	2.45	0.46
2:6w:242:LEU:C	2:7t:244:GLY:HA3	2.38	0.46
2:7t:215:THR:H	2:7t:218:ASN:HD22	1.64	0.46
2:7w:219:LYS:HG2	2:9R:226:ILE:HA	1.98	0.46
2:7x:77:LEU:HD12	2:7x:110:LEU:CD1	2.46	0.46
2:9M:131:THR:HB	2:9J:138:ILE:HG23	1.98	0.46
2:9M:183:PHE:CG	2:9J:183:PHE:HE2	2.28	0.46
2:9R:215:THR:H	2:9R:218:ASN:HD22	1.64	0.46
1:1C:111:ASP:OD1	1:1C:111:ASP:C	2.59	0.45
1:2D:107:GLU:OE1	1:2E:140:TYR:OH	2.27	0.45
1:4D:355:SER:CB	1:4D:356:PRO:CD	2.93	0.45
1:4E:200:ILE:HD13	1:4E:341:PHE:HB3	1.98	0.45
1:5B:14:ILE:O	1:5B:14:ILE:HG22	2.16	0.45
1:5F:317:GLY:O	1:5F:318:LEU:HB2	2.16	0.45
1:6A:447:GLN:OE1	2:6h:56:ASN:CB	2.63	0.45
1:7C:202:GLU:HA	1:7C:343:SER:CB	2.46	0.45
1:8A:156:TRP:O	1:8A:158:ASN:N	2.48	0.45
1:8A:213:PHE:CD2	1:8A:213:PHE:C	2.94	0.45
1:8B:190:TYR:CD2	1:8B:190:TYR:C	2.93	0.45
1:8D:245:GLU:OE1	1:8D:245:GLU:N	2.30	0.45
1:8D:445:GLY:O	2:8i:44:VAL:HB	2.13	0.45
1:9A:331:SER:OG	1:9A:332:VAL:N	2.49	0.45
1:1H:241:ARG:HD2	1:1H:241:ARG:C	2.42	0.45
1:2F:19:ASP:C	1:2F:19:ASP:OD1	2.58	0.45
1:4K:118:LYS:O	1:4K:120:PHE:N	2.49	0.45
1:6I:355:SER:O	1:6I:356:PRO:C	2.59	0.45
1:6J:252:ASP:O	1:6J:253:ALA:HB3	2.16	0.45
1:6L:130:LEU:HD12	1:6L:130:LEU:C	2.42	0.45
1:8H:445:GLY:HA2	2:8l:45:LYS:N	2.32	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4Q:118:LYS:O	1:4Q:120:PHE:N	2.49	0.45
1:5P:310:GLU:OE1	1:5P:310:GLU:HA	2.16	0.45
1:6N:444:GLY:CA	2:6o:44:VAL:HG21	2.47	0.45
1:6O:202:GLU:HB2	1:6O:205:SER:HB3	1.97	0.45
1:7O:275:PHE:CD2	1:7O:275:PHE:O	2.69	0.45
1:1U:252:ASP:OD1	1:1U:252:ASP:C	2.57	0.45
1:1X:130:LEU:N	1:1X:130:LEU:HD23	2.31	0.45
1:3S:111:ASP:O	1:3S:112:ALA:CB	2.63	0.45
1:3S:269:ASN:OD1	1:3S:269:ASN:C	2.59	0.45
1:3W:286:ALA:HA	1:3X:31:ASN:HB3	1.99	0.45
1:4U:36:VAL:N	1:4U:37:PRO:HD2	2.31	0.45
1:6S:447:GLN:HG3	2:6t:60:LEU:CG	2.45	0.45
1:6T:397:THR:O	1:6T:397:THR:HG22	2.15	0.45
1:6X:355:SER:CB	1:6X:356:PRO:HD3	2.47	0.45
1:7S:447:GLN:CD	2:7o:44:VAL:HG11	2.40	0.45
1:7T:275:PHE:O	1:7T:275:PHE:CD2	2.69	0.45
1:8S:156:TRP:O	1:8S:158:ASN:N	2.48	0.45
1:8S:448:ALA:HB2	2:8w:57:MET:SD	2.56	0.45
1:1Y:313:ARG:HA	1:1Y:320:TRP:HA	1.98	0.45
1:2V:30:ASP:OD1	1:2V:30:ASP:N	2.45	0.45
1:2X:314:ASN:OD1	1:2X:314:ASN:C	2.59	0.45
1:2Y:16:GLU:O	1:2Y:18:TYR:N	2.49	0.45
1:3a:201:ASP:OD2	1:3a:212:GLU:HG3	2.17	0.45
1:3c:202:GLU:HA	1:3c:203:PRO:HD3	1.60	0.45
1:4b:355:SER:CB	1:4b:356:PRO:CD	2.93	0.45
1:4c:118:LYS:O	1:4c:120:PHE:N	2.49	0.45
1:4d:6:ASN:OD1	1:4d:6:ASN:C	2.58	0.45
1:4d:54:ASN:OD1	1:4d:54:ASN:C	2.59	0.45
1:5b:412:LEU:HB2	1:5b:435:VAL:HB	1.97	0.45
1:5d:392:THR:CG2	2:5n:107:LEU:CD2	2.94	0.45
1:6b:36:VAL:N	1:6b:37:PRO:CD	2.79	0.45
1:6b:252:ASP:O	1:6b:253:ALA:HB3	2.17	0.45
1:7U:30:ASP:OD1	1:7U:30:ASP:C	2.58	0.45
1:7U:256:GLU:OE2	1:7U:266:LYS:NZ	2.49	0.45
1:7Y:275:PHE:CD2	1:7Y:275:PHE:O	2.69	0.45
1:8Y:392:THR:HG21	2:9M:107:LEU:CD2	2.37	0.45
2:1f:206:VAL:HG21	2:2a:209:LEU:O	2.16	0.45
2:2b:57:MET:SD	2:4e:111:VAL:CG2	3.04	0.45
2:2b:120:ILE:CD1	2:4e:120:ILE:CD1	2.49	0.45
2:2d:219:LYS:HE2	2:3k:226:ILE:C	2.41	0.45
2:2d:244:GLY:CA	2:3k:243:GLY:C	2.79	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:126:LYS:HB2	2:2x:119:SER:HB3	1.98	0.45
2:3h:2:MET:HE1	2:4n:58:TYR:HB2	1.89	0.45
2:3h:163:THR:H	2:3h:166:ASN:ND2	2.09	0.45
2:4f:73:VAL:CG1	2:3l:28:ILE:CB	2.94	0.45
2:5e:154:ALA:CB	2:6g:158[A]:ILE:HA	2.47	0.45
2:5f:59:PRO:HG2	2:7a:59:PRO:O	2.17	0.45
2:5f:73:VAL:CG1	2:6v:28:ILE:HB	2.46	0.45
2:5f:126:LYS:C	2:5f:126:LYS:CD	2.85	0.45
2:6e:26:ASP:OD1	2:7g:73:VAL:HG21	2.16	0.45
2:6f:111:VAL:HG13	2:7f:57:MET:CE	2.45	0.45
2:6f:209:LEU:O	2:7f:206:VAL:CG2	2.55	0.45
2:6f:225:MET:CG	2:5h:214:PRO:HG3	2.45	0.45
2:6f:239:THR:CG2	2:5h:247:LYS:CB	2.91	0.45
2:6g:270:ILE:CD1	2:7Z:269:LEU:HD22	2.46	0.45
2:8f:259:VAL:HG12	2:9P:256:ALA:O	2.16	0.45
2:8j:41:TYR:CZ	2:8j:57:MET:SD	3.08	0.45
2:8j:110:LEU:HD12	2:8j:110:LEU:O	2.16	0.45
2:1k:154:ALA:HB1	2:3k:158[B]:ILE:CD1	2.44	0.45
2:1k:280:SER:N	2:3k:249:ALA:CA	2.78	0.45
2:2g:57:MET:SD	2:4g:111:VAL:CG2	3.04	0.45
2:3i:196:LEU:HB3	2:4g:200:LEU:CD2	2.46	0.45
2:6i:145:ARG:CG	2:8o:148[A]:ILE:HG23	2.47	0.45
2:6i:148[B]:ILE:HD13	2:7l:148[B]:ILE:HD13	1.98	0.45
2:6j:209:LEU:O	2:7k:206:VAL:CG2	2.55	0.45
2:6j:279:ILE:HG21	2:5j:273:LEU:HD21	1.98	0.45
2:7e:215:THR:H	2:7e:218:ASN:HD22	1.64	0.45
2:8m:210:LEU:HD23	2:9H:206:VAL:HG13	1.70	0.45
2:1m:246:LYS:C	2:2j:239:THR:O	2.60	0.45
2:1n:242:LEU:HD13	2:2k:235:PRO:C	2.41	0.45
2:1p:62:ALA:HA	2:1p:112:ILE:HD12	1.98	0.45
2:2j:248:GLY:O	2:1t:280:SER:HB2	2.17	0.45
2:2k:215:THR:H	2:2k:218:ASN:HD22	1.64	0.45
2:2l:215:THR:H	2:2l:218:ASN:HD22	1.64	0.45
2:2m:206:VAL:CG2	2:3t:209:LEU:O	2.64	0.45
2:2m:242:LEU:HD13	2:3t:243:GLY:HA3	1.90	0.45
2:2n:223:ARG:HD3	2:3s:228:ALA:HA	1.98	0.45
2:2n:259:VAL:HG11	2:1s:258:ASP:N	2.30	0.45
2:3m:196:LEU:HB3	2:4i:200:LEU:CD2	2.46	0.45
2:4j:62:ALA:HA	2:4j:112:ILE:HD12	1.97	0.45
2:4j:163:THR:H	2:4j:166:ASN:ND2	2.09	0.45
2:5i:175:PHE:CD1	2:6o:171:GLN:NE2	2.84	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:145:ARG:CG	2:8u:148[A]:ILE:HG23	2.47	0.45
2:7j:215:THR:H	2:7j:218:ASN:HD22	1.64	0.45
2:7l:77:LEU:HD12	2:7l:110:LEU:CD1	2.46	0.45
2:7l:215:THR:H	2:7l:218:ASN:HD22	1.64	0.45
2:7m:245:VAL:HG21	2:8v:245:VAL:CG1	2.35	0.45
2:7m:269:LEU:HD22	2:8v:270:ILE:HG13	1.98	0.45
2:8q:240:THR:HA	2:9H:246:LYS:NZ	2.20	0.45
2:8q:278:ILE:C	2:9H:248:GLY:H	2.24	0.45
2:8s:129:GLY:CA	2:8w:139:ASN:HA	2.45	0.45
2:8t:215:THR:H	2:8t:218:ASN:HD22	1.64	0.45
2:1r:226:ILE:HG22	2:2p:222:LEU:CD1	2.44	0.45
2:2p:228:ALA:HA	2:3r:223:ARG:HD2	1.36	0.45
2:2q:57:MET:SD	2:4k:111:VAL:CG2	3.04	0.45
2:2s:26:ASP:OD1	2:1w:72:LYS:NZ	2.46	0.45
2:2s:136:LEU:HA	2:3w:132:GLY:CA	2.47	0.45
2:2s:136:LEU:HD12	2:3w:132:GLY:C	2.40	0.45
2:2s:179:ASN:ND2	2:2s:192:ASN:HD22	2.11	0.45
2:3q:212:GLY:HA3	2:4k:203:ASN:HB2	1.98	0.45
2:4l:73:VAL:CG1	2:3x:28:ILE:CB	2.94	0.45
2:6q:114:ARG:HB2	2:7v:114:ARG:HD2	1.97	0.45
2:6r:236:ALA:HA	2:7u:242:LEU:HD13	1.98	0.45
2:6t:215:THR:H	2:6t:218:ASN:HD22	1.63	0.45
2:6t:251:VAL:HG11	2:7r:279:ILE:HD12	1.98	0.45
2:7o:77:LEU:HD12	2:7o:110:LEU:CD1	2.47	0.45
2:7q:215:THR:H	2:7q:218:ASN:HD22	1.64	0.45
2:7r:246:LYS:HE2	2:9L:241:THR:C	2.41	0.45
2:8w:110:LEU:HD12	2:8w:110:LEU:O	2.16	0.45
2:8y:2:MET:HE1	2:9M:58:TYR:HB3	1.98	0.45
2:1v:247:LYS:C	2:3v:239:THR:HG22	2.41	0.45
2:1x:41:TYR:CZ	2:1x:57:MET:SD	3.08	0.45
2:5m:111:VAL:HG22	2:7t:57:MET:HG3	1.96	0.45
2:6v:215:THR:H	2:6v:218:ASN:HD22	1.63	0.45
2:7t:19:LEU:N	2:7t:41:TYR:O	2.46	0.45
2:7w:250:ALA:CA	2:9R:280:SER:C	2.72	0.45
2:9P:215:THR:H	2:9P:218:ASN:HD22	1.64	0.45
2:9R:62:ALA:HA	2:9R:112:ILE:HD12	1.98	0.45
1:1B:334:ARG:O	1:1B:335:PHE:HB2	2.16	0.45
1:1E:407:ASN:O	1:1E:408:GLU:CB	2.64	0.45
1:4F:95:ARG:O	1:4F:96:THR:CB	2.64	0.45
1:5B:81:ASN:OD1	1:5B:81:ASN:C	2.56	0.45
1:6A:393:GLY:HA3	2:6h:16:TYR:OH	2.15	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6D:232:ASP:OD1	1:6D:232:ASP:C	2.59	0.45
1:7C:28:GLN:HG2	2:9P:52:LEU:HD11	1.87	0.45
1:7C:397:THR:HA	2:7a:107:LEU:HB2	1.99	0.45
1:7C:445:GLY:N	2:7a:45:LYS:HZ2	2.14	0.45
1:7E:297:LYS:O	1:7E:297:LYS:CG	2.62	0.45
1:1G:420:ILE:HB	1:1G:427:LYS:HB3	1.99	0.45
1:1J:314:ASN:O	1:1J:316:ARG:N	2.49	0.45
1:2J:190:TYR:CD2	1:2J:190:TYR:C	2.94	0.45
1:3K:355:SER:HB2	1:3K:356:PRO:HD2	1.97	0.45
1:3L:355:SER:HB3	1:3L:356:PRO:CD	2.46	0.45
1:4G:36:VAL:N	1:4G:37:PRO:HD2	2.31	0.45
1:5G:228:GLN:OE1	1:5G:228:GLN:N	2.32	0.45
1:5K:7:ASP:O	1:5K:9:LYS:N	2.48	0.45
1:7F:272:ARG:NE	1:7F:272:ARG:HA	2.31	0.45
1:8I:446:ALA:HA	2:8p:44:VAL:HG13	1.98	0.45
1:1Q:394:THR:O	1:1Q:394:THR:CG2	2.63	0.45
1:1R:356:PRO:CB	1:1R:369:PHE:CE2	2.99	0.45
1:2L:314:ASN:OD1	1:2L:314:ASN:C	2.59	0.45
1:3O:245:GLU:OE1	1:3O:245:GLU:N	2.34	0.45
1:3Q:202:GLU:HA	1:3Q:203:PRO:HD3	1.60	0.45
1:4Q:21:VAL:O	1:4Q:25:ARG:N	2.50	0.45
1:6O:355:SER:O	1:6O:356:PRO:C	2.59	0.45
1:6P:317:GLY:O	1:6P:319:TYR:N	2.49	0.45
1:7O:103:ASP:HB3	1:7O:238:VAL:HG13	1.99	0.45
1:8M:213:PHE:CD2	1:8M:213:PHE:C	2.94	0.45
1:8P:444:GLY:H	2:8u:45:LYS:HD2	1.80	0.45
1:1W:314:ASN:OD1	1:1W:314:ASN:C	2.58	0.45
1:1X:425:LYS:O	1:1X:425:LYS:HG2	2.16	0.45
1:2Q:36:VAL:N	1:2Q:37:PRO:HD2	2.31	0.45
1:2R:270:MET:O	1:2R:271:ASN:HB2	2.16	0.45
1:3U:201:ASP:OD2	1:3U:212:GLU:HG3	2.16	0.45
1:3U:208:GLY:C	1:3U:212:GLU:HG2	2.24	0.45
1:5S:111:ASP:OD1	1:5S:111:ASP:C	2.57	0.45
1:5T:202:GLU:HA	1:5T:203:PRO:HD3	1.64	0.45
1:5W:288:THR:O	1:5W:288:THR:CG2	2.64	0.45
1:5W:355:SER:HB3	1:5W:356:PRO:HD3	1.99	0.45
1:5W:448:ALA:C	2:5k:63:TRP:CE2	2.93	0.45
1:8S:213:PHE:CD2	1:8S:213:PHE:C	2.94	0.45
1:8V:245:GLU:OE1	1:8V:245:GLU:N	2.30	0.45
1:9D:407:ASN:N	2:9I:45:LYS:HG3	2.30	0.45
1:2V:355:SER:N	1:2V:370:THR:O	2.45	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2W:270:MET:O	1:2W:271:ASN:HB2	2.16	0.45
1:2W:447:GLN:C	2:2u:41:TYR:CD1	2.73	0.45
1:4c:443:SER:OG	2:4m:56:ASN:OD1	2.29	0.45
1:5c:199:LYS:HG3	1:5c:199:LYS:O	2.15	0.45
1:6b:314:ASN:OD1	1:6b:314:ASN:O	2.33	0.45
1:7U:446:ALA:HA	2:7x:42:VAL:O	2.16	0.45
1:7X:355:SER:O	1:7X:356:PRO:C	2.59	0.45
1:7Y:445:GLY:CA	2:7w:45:LYS:HB3	2.45	0.45
2:1e:111:VAL:HG13	2:2Z:57:MET:HE2	1.98	0.45
2:1f:215:THR:H	2:1f:218:ASN:HD22	1.64	0.45
2:1h:246:LYS:N	2:1u:242:LEU:HD23	2.28	0.45
2:2Z:179:ASN:ND2	2:2Z:192:ASN:HD22	2.11	0.45
2:2a:226:ILE:CD1	2:3f:222:LEU:C	2.88	0.45
2:2b:77:LEU:HD12	2:2b:110:LEU:CD1	2.46	0.45
2:2c:77:LEU:HD12	2:2c:110:LEU:CD1	2.46	0.45
2:2d:223:ARG:HD3	2:3k:228:ALA:HA	1.98	0.45
2:2d:262:ALA:CB	2:3k:263:VAL:HG23	2.41	0.45
2:3e:62:ALA:HA	2:3e:112:ILE:HD12	1.97	0.45
2:3h:61:ALA:HB1	2:2w:57:MET:CE	2.45	0.45
2:3h:209:LEU:O	2:2w:206:VAL:CG2	2.64	0.45
2:3h:243:GLY:HA3	2:2w:242:LEU:CD1	2.44	0.45
2:6e:119:SER:HB3	2:8i:126:LYS:HG2	1.97	0.45
2:6f:111:VAL:HG13	2:7f:57:MET:HE2	1.98	0.45
2:6f:242:LEU:HD21	2:5h:236:ALA:HA	1.97	0.45
2:6g:62:ALA:HA	2:6g:112:ILE:HD12	1.98	0.45
2:7a:77:LEU:HD12	2:7a:110:LEU:CD1	2.46	0.45
2:8e:259:VAL:HG11	2:9F:258:ASP:O	2.12	0.45
2:8f:215:THR:H	2:8f:218:ASN:HD22	1.63	0.45
2:8g:223:ARG:NH1	2:9G:227:GLY:C	2.69	0.45
2:8g:246:LYS:CG	2:9G:240:THR:HA	2.47	0.45
2:8h:76:ASN:ND2	2:8h:116:LYS:HG2	2.30	0.45
2:9F:242:LEU:CA	2:9O:234:LEU:CD2	2.93	0.45
2:1j:114:ARG:HB2	2:2f:114:ARG:HD2	1.99	0.45
2:1k:278:ILE:HG22	2:3k:278:ILE:HD12	1.91	0.45
2:2g:223:ARG:HG2	2:3i:228:ALA:CB	2.32	0.45
2:2h:120:ILE:CD1	2:4h:120:ILE:HD13	2.47	0.45
2:2h:179:ASN:ND2	2:2h:192:ASN:HD22	2.11	0.45
2:3i:116:LYS:CA	2:3i:116:LYS:CE	2.86	0.45
2:3i:278:ILE:CD1	2:4g:278:ILE:O	2.64	0.45
2:5g:270:ILE:HG23	2:6k:251:VAL:CG2	2.36	0.45
2:5h:110:LEU:HD12	2:5h:110:LEU:O	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:179:ASN:ND2	2:5h:192:ASN:HD22	2.11	0.45
2:6k:270:ILE:CD1	2:7e:269:LEU:HD22	2.46	0.45
2:6l:267:ASN:HD21	2:8p:254:SER:C	2.18	0.45
2:7g:77:LEU:HD12	2:7g:110:LEU:CD1	2.46	0.45
2:7h:231:PRO:CG	2:8p:229:GLY:HA3	2.46	0.45
2:7h:248:GLY:CA	2:8p:278:ILE:O	2.61	0.45
2:8n:256:ALA:O	2:8r:259:VAL:HG12	2.16	0.45
2:8p:110:LEU:HD12	2:8p:110:LEU:O	2.16	0.45
2:1m:111:VAL:HG13	2:2j:57:MET:CE	2.46	0.45
2:1o:129:GLY:HA3	2:3o:138:ILE:C	2.41	0.45
2:2j:19:LEU:N	2:2j:41:TYR:O	2.46	0.45
2:2l:209:LEU:HD11	2:3m:222:LEU:HD23	1.97	0.45
2:2m:148[B]:ILE:HD13	2:4j:148[B]:ILE:HD13	1.98	0.45
2:2m:215:THR:H	2:2m:218:ASN:HD22	1.64	0.45
2:2n:246:LYS:HD3	2:3s:239:THR:O	2.17	0.45
2:3m:110:LEU:HD12	2:3m:110:LEU:O	2.16	0.45
2:3o:215:THR:H	2:3o:218:ASN:HD22	1.64	0.45
2:4j:110:LEU:HD12	2:4j:110:LEU:O	2.16	0.45
2:5i:183:PHE:CE2	2:6o:183:PHE:CE2	3.03	0.45
2:6m:73:VAL:HB	2:8u:23:GLN:HG3	1.97	0.45
2:6m:110:LEU:HD12	2:6m:110:LEU:O	2.16	0.45
2:7m:118:ILE:HD12	2:8v:114:ARG:HH12	1.80	0.45
2:8q:150:GLU:OE1	2:9H:141:PRO:HB2	2.15	0.45
2:8q:209:LEU:CD2	2:9H:209:LEU:CG	2.94	0.45
2:8t:110:LEU:HD12	2:8t:110:LEU:O	2.16	0.45
2:1s:280:SER:N	2:3s:249:ALA:CA	2.78	0.45
2:2o:77:LEU:HD12	2:2o:110:LEU:CD1	2.46	0.45
2:2r:125:ILE:HA	2:3x:120:ILE:O	2.16	0.45
2:2s:193:LYS:HE3	2:3w:198:GLN:O	2.16	0.45
2:3q:244:GLY:HA2	2:4k:243:GLY:C	2.37	0.45
2:5k:273:LEU:HD12	2:6s:269:LEU:CD1	2.29	0.45
2:5l:126:LYS:C	2:5l:126:LYS:CD	2.85	0.45
2:5l:228:ALA:CA	2:7p:229:GLY:O	2.62	0.45
2:6r:223:ARG:HH11	2:7u:227:GLY:HA3	1.78	0.45
2:6r:232:TYR:CD2	2:7u:232:TYR:CD1	3.04	0.45
2:6t:234:LEU:HD21	2:7r:243:GLY:HA2	1.97	0.45
2:8z:126:LYS:C	2:8z:126:LYS:CD	2.86	0.45
2:9I:215:THR:H	2:9I:218:ASN:HD22	1.64	0.45
2:1v:41:TYR:CZ	2:1v:57:MET:SD	3.08	0.45
2:3u:231:PRO:HD3	2:4m:228:ALA:C	2.41	0.45
2:4n:215:THR:H	2:4n:218:ASN:HD22	1.64	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5m:183:PHE:CE2	2:6w:183:PHE:CE2	3.03	0.45
2:6w:199:LEU:HD12	2:7t:183:PHE:CE1	2.51	0.45
2:6x:234:LEU:HD21	2:7w:243:GLY:HA2	1.97	0.45
2:7w:250:ALA:H	2:9R:280:SER:HB2	1.75	0.45
2:9M:270:ILE:HG21	2:9J:251:VAL:HG22	1.92	0.45
1:3A:355:SER:HB2	1:3A:356:PRO:HD3	1.98	0.45
1:3B:170:ILE:O	1:3B:171:TYR:CB	2.63	0.45
1:4A:36:VAL:N	1:4A:37:PRO:HD2	2.31	0.45
1:4E:21:VAL:O	1:4E:25:ARG:N	2.50	0.45
1:4F:227:PRO:O	1:4F:228:GLN:HB2	2.16	0.45
1:5D:310:GLU:OE1	1:5D:310:GLU:HA	2.16	0.45
1:6A:445:GLY:HA3	2:6h:53:THR:OG1	2.16	0.45
1:7A:272:ARG:NE	1:7A:272:ARG:HA	2.31	0.45
1:7C:445:GLY:H	2:7a:45:LYS:CD	2.28	0.45
1:8D:446:ALA:HA	2:8i:44:VAL:N	2.31	0.45
1:1J:314:ASN:O	1:1J:314:ASN:CG	2.45	0.45
1:1K:118:LYS:O	1:1K:120:PHE:N	2.48	0.45
1:2H:6:ASN:OD1	1:2H:6:ASN:C	2.59	0.45
1:2I:107:GLU:OE1	1:2J:140:TYR:OH	2.27	0.45
1:2J:448:ALA:O	2:2i:58:TYR:O	2.34	0.45
1:3K:286:ALA:HA	1:3L:31:ASN:HB3	1.99	0.45
1:4L:227:PRO:O	1:4L:228:GLN:HB2	2.16	0.45
1:5I:230:SER:OG	1:5I:231:ARG:N	2.49	0.45
1:5L:317:GLY:O	1:5L:318:LEU:HB2	2.16	0.45
1:6G:355:SER:HB3	1:6G:356:PRO:HD3	1.98	0.45
1:6H:103:ASP:OD1	1:6H:103:ASP:C	2.57	0.45
1:6J:36:VAL:N	1:6J:37:PRO:CD	2.79	0.45
1:7J:275:PHE:CD2	1:7J:275:PHE:O	2.69	0.45
1:8G:444:GLY:C	2:8k:56:ASN:ND2	2.75	0.45
1:8K:21:VAL:O	1:8K:21:VAL:HG12	2.17	0.45
1:8K:444:GLY:HA3	2:8n:54:GLN:HB2	1.97	0.45
1:1N:275:PHE:CD2	1:1N:275:PHE:N	2.81	0.45
1:4O:36:VAL:N	1:4O:37:PRO:HD2	2.31	0.45
1:4P:142:GLN:NE2	1:4P:142:GLN:HA	2.31	0.45
1:4P:355:SER:O	1:4P:356:PRO:C	2.59	0.45
1:5Q:355:SER:HB3	1:5Q:356:PRO:HD3	1.99	0.45
1:5Q:448:ALA:O	2:5i:63:TRP:NE1	2.49	0.45
1:5R:439:PRO:O	1:5R:440:ASN:CB	2.64	0.45
1:6O:397:THR:O	1:6O:397:THR:HG22	2.15	0.45
1:6R:330:LEU:HD23	1:6R:330:LEU:N	2.32	0.45
1:7N:355:SER:O	1:7N:356:PRO:C	2.59	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8O:448:ALA:C	2:8v:63:TRP:HE1	2.21	0.45
1:1T:334:ARG:O	1:1T:335:PHE:HB2	2.16	0.45
1:2Q:26:ASN:HA	2:3w:52:LEU:HD12	1.97	0.45
1:2R:30:ASP:OD1	1:2R:30:ASP:C	2.59	0.45
1:2R:366:GLN:NE2	2:2p:64:GLN:OE1	2.49	0.45
1:2S:448:ALA:CB	2:2o:41:TYR:HD1	2.29	0.45
1:4X:95:ARG:O	1:4X:96:THR:CB	2.64	0.45
1:5X:205:SER:OG	1:5X:206:SER:N	2.49	0.45
1:6T:448:ALA:O	2:6s:59:PRO:HA	2.17	0.45
1:7P:19:ASP:OD1	1:7P:19:ASP:C	2.59	0.45
1:7R:392:THR:OG1	2:7p:46:ASP:OD2	2.31	0.45
1:7S:446:ALA:CB	2:7o:41:TYR:CD2	2.68	0.45
1:8S:445:GLY:O	2:8w:44:VAL:HG11	2.16	0.45
1:1c:394:THR:O	1:1c:394:THR:CG2	2.63	0.45
1:1d:425:LYS:HG2	1:1d:425:LYS:O	2.16	0.45
1:3Y:19:ASP:OD1	1:3Y:19:ASP:C	2.59	0.45
1:3a:202:GLU:CB	1:3a:343:SER:HB3	2.34	0.45
1:4d:227:PRO:O	1:4d:228:GLN:HB2	2.16	0.45
1:5Y:81:ASN:OD1	1:5Y:81:ASN:C	2.58	0.45
1:6Y:392:THR:OG1	2:6x:16:TYR:CE1	2.68	0.45
1:8Y:446:ALA:HB3	2:9M:55:VAL:CB	2.47	0.45
1:8Y:446:ALA:N	2:9M:55:VAL:HA	2.31	0.45
1:8Z:356:PRO:O	1:8Z:357:ASN:HB2	2.17	0.45
1:8d:200:ILE:O	1:8d:200:ILE:CG1	2.44	0.45
1:9E:397:THR:OG1	1:9E:399:ASP:OD1	2.29	0.45
2:1e:174:LEU:CD1	2:2Z:174:LEU:HD22	2.46	0.45
2:1g:270:ILE:HG23	2:3g:251:VAL:CG1	2.47	0.45
2:1h:200:LEU:CD1	2:1u:200:LEU:HD22	2.45	0.45
2:3g:228:ALA:HA	2:2x:223:ARG:HD3	1.99	0.45
2:3h:222:LEU:HD13	2:2w:225:MET:CG	2.37	0.45
2:3h:222:LEU:HD22	2:2w:226:ILE:CG2	2.41	0.45
2:4f:110:LEU:HD12	2:4f:110:LEU:O	2.16	0.45
2:5f:236:ALA:HA	2:6v:242:LEU:HD21	1.97	0.45
2:6f:28:ILE:HB	2:5h:73:VAL:CG1	2.46	0.45
2:6f:239:THR:CA	2:5h:247:LYS:CA	2.93	0.45
2:7d:77:LEU:HD12	2:7d:110:LEU:CD1	2.46	0.45
2:8e:131:THR:HB	2:9F:138:ILE:HG23	1.98	0.45
2:8e:150:GLU:OE1	2:9F:141:PRO:HB2	2.15	0.45
2:8g:148[A]:ILE:CG2	2:8k:145:ARG:CG	2.93	0.45
2:8g:236:ALA:CA	2:9G:242:LEU:HD21	2.28	0.45
2:9F:222:LEU:CD2	2:9O:209:LEU:HD11	2.45	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1i:97:TYR:OH	2:1i:111:VAL:HB	2.15	0.45
2:1i:183:PHE:CD1	2:2e:199:LEU:HB3	2.50	0.45
2:1i:222:LEU:CB	2:2e:226:ILE:HB	2.45	0.45
2:1j:247:LYS:H	2:3j:239:THR:CA	2.29	0.45
2:1k:148[A]:ILE:HG23	2:3k:145:ARG:HG2	1.97	0.45
2:1k:177:ASP:CG	2:3k:186:ALA:CB	2.90	0.45
2:1k:280:SER:OG	2:3k:249:ALA:HA	2.16	0.45
2:2h:23:GLN:HG3	2:3p:73:VAL:O	2.16	0.45
2:4h:73:VAL:CG1	2:3p:28:ILE:HB	2.45	0.45
2:4h:270:ILE:HG22	2:4h:274:LYS:HE2	1.99	0.45
2:5g:215:THR:H	2:5g:218:ASN:HD22	1.63	0.45
2:5g:279:ILE:C	2:6k:248:GLY:O	2.58	0.45
2:6i:26:ASP:OD1	2:7l:73:VAL:HG21	2.16	0.45
2:6i:73:VAL:HB	2:8o:23:GLN:HG3	1.97	0.45
2:6j:215:THR:H	2:6j:218:ASN:HD22	1.63	0.45
2:6k:110:LEU:HD12	2:6k:110:LEU:O	2.16	0.45
2:7h:118:ILE:HD12	2:8p:114:ARG:HH12	1.80	0.45
2:8k:242:LEU:HD21	2:9G:236:ALA:HB2	1.96	0.45
2:8m:209:LEU:HD11	2:9H:222:LEU:CD2	2.45	0.45
2:8m:234:LEU:CG	2:9H:242:LEU:CB	2.94	0.45
2:1m:59:PRO:N	2:1t:61:ALA:HB2	2.31	0.45
2:1m:222:LEU:HB2	2:2j:226:ILE:CG2	2.28	0.45
2:1n:247:LYS:C	2:3n:239:THR:HG22	2.41	0.45
2:1o:177:ASP:CG	2:3o:186:ALA:CB	2.90	0.45
2:2k:240:THR:HA	2:3n:246:LYS:CG	2.45	0.45
2:2m:120:ILE:CD1	2:4j:120:ILE:HD13	2.47	0.45
2:3m:212:GLY:HA3	2:4i:203:ASN:HB2	1.98	0.45
2:3m:219:LYS:HB3	2:4i:226:ILE:O	2.17	0.45
2:3m:245:VAL:N	2:4i:243:GLY:H	2.15	0.45
2:3m:270:ILE:HG22	2:3m:274:LYS:HE2	1.99	0.45
2:6m:73:VAL:O	2:8u:23:GLN:NE2	2.49	0.45
2:6m:247:LYS:HG2	2:8u:278:ILE:O	2.16	0.45
2:6o:228:ALA:CA	2:7j:223:ARG:CG	2.94	0.45
2:6o:270:ILE:HG22	2:6o:274:LYS:HE2	1.99	0.45
2:8q:183:PHE:CG	2:9H:183:PHE:HZ	2.34	0.45
2:8t:256:ALA:O	2:8x:259:VAL:HG12	2.16	0.45
2:2o:163:THR:H	2:2o:166:ASN:ND2	2.09	0.45
2:2o:209:LEU:CD2	2:1x:209:LEU:CD2	2.90	0.45
2:2s:136:LEU:HA	2:3w:132:GLY:HA3	1.99	0.45
2:3q:278:ILE:CD1	2:4k:278:ILE:O	2.64	0.45
2:6q:148[B]:ILE:HD13	2:7v:148[B]:ILE:HD13	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6q:247:LYS:CE	2:9K:277:GLY:HA2	2.46	0.45
2:6q:270:ILE:HG22	2:6q:274:LYS:HE2	1.99	0.45
2:6r:279:ILE:HG21	2:5n:273:LEU:HD21	1.98	0.45
2:8w:132:GLY:HA3	2:9I:136:LEU:CA	2.45	0.45
2:8z:41:TYR:CZ	2:8z:57:MET:SD	3.08	0.45
2:8z:251:VAL:HG13	2:9N:279:ILE:CD1	2.42	0.45
2:9K:215:THR:H	2:9K:218:ASN:HD22	1.63	0.45
2:9L:110:LEU:HD12	2:9L:110:LEU:O	2.16	0.45
2:1u:246:LYS:C	2:2t:239:THR:O	2.60	0.45
2:1w:154:ALA:HB1	2:3w:158[B]:ILE:CD1	2.44	0.45
2:2t:215:THR:H	2:2t:218:ASN:HD22	1.64	0.45
2:2u:226:ILE:HD11	2:3v:226:ILE:HD11	1.99	0.45
2:2v:212:GLY:HA2	2:3u:203:ASN:ND2	2.25	0.45
2:2v:222:LEU:CB	2:3u:226:ILE:CB	2.94	0.45
2:3u:110:LEU:HD12	2:3u:110:LEU:O	2.16	0.45
2:3u:230:VAL:C	2:4m:229:GLY:CA	2.88	0.45
2:4n:62:ALA:HA	2:4n:112:ILE:HD12	1.97	0.45
2:5n:28:ILE:HG13	2:7u:73:VAL:HG12	1.99	0.45
2:7w:269:LEU:HD22	2:9R:270:ILE:HG13	1.98	0.45
2:9M:183:PHE:CG	2:9J:183:PHE:HZ	2.34	0.45
2:9M:215:THR:H	2:9M:218:ASN:HD22	1.64	0.45
1:1B:275:PHE:CD2	1:1B:275:PHE:N	2.81	0.45
1:2B:19:ASP:OD1	1:2B:19:ASP:C	2.57	0.45
1:2B:36:VAL:N	1:2B:37:PRO:HD2	2.31	0.45
1:3E:355:SER:HB2	1:3E:356:PRO:HD2	1.97	0.45
1:4A:140:TYR:N	1:4A:140:TYR:CD1	2.83	0.45
1:5A:438:ARG:O	1:5A:438:ARG:CG	2.60	0.45
1:5E:440:ASN:OD1	1:5E:440:ASN:C	2.58	0.45
1:8A:399:ASP:OD1	1:8A:399:ASP:C	2.57	0.45
1:8A:447:GLN:CG	2:8e:44:VAL:CG1	2.93	0.45
1:8F:6:ASN:OD1	1:8F:6:ASN:C	2.58	0.45
1:9A:111:ASP:OD1	1:9A:111:ASP:C	2.58	0.45
1:9A:355:SER:CB	1:9A:356:PRO:HD3	2.47	0.45
1:1L:130:LEU:N	1:1L:130:LEU:HD23	2.31	0.45
1:1L:356:PRO:CB	1:1L:369:PHE:CE2	2.99	0.45
1:2G:120:PHE:O	1:2G:121:GLU:HB2	2.16	0.45
1:2G:397:THR:HA	2:2g:107:LEU:HB2	1.98	0.45
1:2H:358:ILE:O	1:2H:358:ILE:CG2	2.64	0.45
1:5K:392:THR:OG1	2:5g:16:TYR:CE1	2.69	0.45
1:7G:28:GLN:OE1	2:8p:27:ILE:CD1	2.62	0.45
1:7G:30:ASP:OD1	1:7G:30:ASP:C	2.59	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7J:355:SER:HB3	1:7J:356:PRO:HD3	1.97	0.45
1:8G:95:ARG:O	1:8G:96:THR:HB	2.17	0.45
1:8H:356:PRO:O	1:8H:357:ASN:HB2	2.17	0.45
1:2M:270:MET:O	1:2M:271:ASN:HB2	2.16	0.45
1:2M:314:ASN:OD1	1:2M:314:ASN:C	2.58	0.45
1:3O:201:ASP:OD2	1:3O:212:GLU:HG3	2.17	0.45
1:3Q:286:ALA:HA	1:3R:31:ASN:HB3	1.98	0.45
1:4R:6:ASN:OD1	1:4R:6:ASN:C	2.58	0.45
1:5R:101:TYR:CD2	1:5R:101:TYR:C	2.94	0.45
1:5R:422:THR:HG21	1:5R:427:LYS:HE3	1.98	0.45
1:6P:252:ASP:O	1:6P:253:ALA:HB3	2.17	0.45
1:6R:130:LEU:HD12	1:6R:130:LEU:C	2.42	0.45
1:7M:202:GLU:HA	1:7M:343:SER:CB	2.46	0.45
1:7N:28:GLN:CG	2:6i:52:LEU:HD11	2.47	0.45
1:8P:36:VAL:N	1:8P:37:PRO:CD	2.79	0.45
1:8P:202:GLU:HA	1:8P:203:PRO:HD3	1.77	0.45
1:8R:6:ASN:OD1	1:8R:6:ASN:C	2.58	0.45
1:9C:111:ASP:OD1	1:9C:111:ASP:C	2.58	0.45
1:1U:36:VAL:N	1:1U:37:PRO:CD	2.79	0.45
1:3T:228:GLN:OE1	1:3T:228:GLN:N	2.32	0.45
1:6X:130:LEU:HD12	1:6X:130:LEU:C	2.42	0.45
1:6X:446:ALA:HB1	2:6q:42:VAL:O	2.17	0.45
1:7T:445:GLY:CA	2:7r:45:LYS:HB3	2.37	0.45
1:8V:36:VAL:N	1:8V:37:PRO:CD	2.79	0.45
1:1Z:241:ARG:C	1:1Z:241:ARG:HD2	2.42	0.45
1:1Z:334:ARG:O	1:1Z:335:PHE:HB2	2.16	0.45
1:1d:356:PRO:CB	1:1d:369:PHE:CE2	2.99	0.45
1:3Y:269:ASN:OD1	1:3Y:269:ASN:C	2.59	0.45
1:3b:20:ILE:O	1:3b:22:ASN:N	2.49	0.45
1:4a:36:VAL:N	1:4a:37:PRO:HD2	2.31	0.45
1:5Z:154:VAL:O	1:5Z:155:SER:CB	2.64	0.45
1:5a:230:SER:OG	1:5a:231:ARG:N	2.49	0.45
1:5d:205:SER:OG	1:5d:206:SER:N	2.49	0.45
1:8d:394:THR:HG22	1:8d:394:THR:O	2.16	0.45
2:1f:238:THR:C	2:2a:247:LYS:CB	2.90	0.45
2:1g:136:LEU:HA	2:2x:132:GLY:HA3	1.98	0.45
2:1h:226:ILE:HA	2:2t:219:LYS:CG	2.44	0.45
2:2Z:136:LEU:HD12	2:1l:132:GLY:C	2.41	0.45
2:2a:226:ILE:HD11	2:3f:226:ILE:HD11	1.99	0.45
2:2b:244:GLY:HA3	2:3e:242:LEU:CA	2.46	0.45
2:3e:270:ILE:HG22	2:3e:274:LYS:HE2	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:132:GLY:CA	2:2x:136:LEU:HA	2.47	0.45
2:3h:73:VAL:O	2:2w:23:GLN:HG3	2.16	0.45
2:4f:270:ILE:HG22	2:4f:274:LYS:HE2	1.99	0.45
2:6f:97:TYR:OH	2:6f:111:VAL:HB	2.15	0.45
2:6g:110:LEU:HD12	2:6g:110:LEU:O	2.16	0.45
2:6g:270:ILE:HG22	2:6g:274:LYS:HE2	1.99	0.45
2:6h:263:VAL:HG21	2:8j:256:ALA:O	2.17	0.45
2:7b:19:LEU:N	2:7b:41:TYR:O	2.46	0.45
2:7c:184:LEU:HB3	2:8j:175:PHE:CE1	2.51	0.45
2:7c:231:PRO:CG	2:8j:229:GLY:HA3	2.46	0.45
2:8e:132:GLY:HA2	2:9F:135:LEU:O	2.16	0.45
2:8g:96:GLY:HA2	2:8g:112:ILE:O	2.15	0.45
2:8g:234:LEU:CG	2:9G:242:LEU:CB	2.94	0.45
2:8h:256:ALA:O	2:8l:259:VAL:HG12	2.16	0.45
2:9F:77:LEU:HD12	2:9F:110:LEU:CD1	2.46	0.45
2:1j:239:THR:N	2:2f:247:LYS:CB	2.78	0.45
2:1k:270:ILE:HG22	2:1k:274:LYS:HE2	1.99	0.45
2:2f:280:SER:OG	2:3j:247:LYS:HG2	2.16	0.45
2:2g:244:GLY:HA3	2:3i:242:LEU:CA	2.46	0.45
2:2g:269:LEU:HD22	2:3i:270:ILE:CD1	2.46	0.45
2:2i:214:PRO:CD	2:3o:225:MET:CG	2.91	0.45
2:2i:215:THR:H	2:2i:218:ASN:HD22	1.64	0.45
2:2i:246:LYS:HD3	2:3o:239:THR:O	2.17	0.45
2:3i:245:VAL:N	2:4g:243:GLY:H	2.15	0.45
2:4g:97:TYR:OH	2:4g:111:VAL:HB	2.15	0.45
2:5g:99:VAL:HB	2:7e:5:PHE:CD1	2.51	0.45
2:8m:259:VAL:CG2	2:8q:258:ASP:HA	2.47	0.45
2:1m:72:LYS:NZ	2:2j:26:ASP:OD1	2.43	0.45
2:1m:270:ILE:HG22	2:1m:274:LYS:HE2	1.99	0.45
2:1n:41:TYR:CZ	2:1n:57:MET:SD	3.08	0.45
2:2j:193:LYS:HD3	2:1t:202:SER:N	2.31	0.45
2:2m:23:GLN:HG3	2:3t:73:VAL:O	2.16	0.45
2:3m:245:VAL:HG22	2:4i:245:VAL:HG13	1.98	0.45
2:5i:200:LEU:O	2:6o:193:LYS:HD3	2.17	0.45
2:6m:26:ASP:OD1	2:7q:73:VAL:HG21	2.16	0.45
2:6m:251:VAL:CG2	2:8u:270:ILE:CD1	2.93	0.45
2:6o:270:ILE:HD11	2:7j:269:LEU:HD22	1.97	0.45
2:6o:279:ILE:HG22	2:7j:273:LEU:HD23	1.98	0.45
2:7k:77:LEU:HD12	2:7k:110:LEU:CD1	2.46	0.45
2:8r:97:TYR:OH	2:8r:111:VAL:HB	2.15	0.45
2:8s:259:VAL:CG2	2:8w:258:ASP:HA	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8t:62:ALA:HA	2:8t:112:ILE:HD12	1.97	0.45
2:1s:177:ASP:CG	2:3s:186:ALA:CB	2.90	0.45
2:1s:229:GLY:CA	2:3s:231:PRO:CD	2.94	0.45
2:1s:273:LEU:HD13	2:3s:269:LEU:HD11	1.73	0.45
2:1s:273:LEU:HD13	2:3s:273:LEU:HD11	1.89	0.45
2:2o:248:GLY:O	2:1x:280:SER:HB2	2.17	0.45
2:2q:244:GLY:HA3	2:3q:242:LEU:CA	2.46	0.45
2:2r:120:ILE:CD1	2:4l:120:ILE:HD13	2.47	0.45
2:3q:215:THR:H	2:3q:218:ASN:HD22	1.64	0.45
2:3q:245:VAL:N	2:4k:243:GLY:H	2.15	0.45
2:5k:120:ILE:CD1	2:7o:120:ILE:HG21	2.39	0.45
2:6q:119:SER:HB3	2:9K:126:LYS:HG2	1.97	0.45
2:6r:163:THR:H	2:6r:166:ASN:ND2	2.09	0.45
2:6s:279:ILE:HG22	2:7o:273:LEU:HD23	1.98	0.45
2:6t:114:ARG:HH12	2:9L:115:SER:CB	2.29	0.45
2:7r:139:ASN:HA	2:9L:130:ASP:N	2.30	0.45
2:8w:184:LEU:CD1	2:9I:184:LEU:HD22	2.35	0.45
2:8w:215:THR:H	2:8w:218:ASN:HD22	1.64	0.45
2:8y:209:LEU:HD11	2:9J:222:LEU:CD2	2.45	0.45
2:8z:215:THR:H	2:8z:218:ASN:HD22	1.64	0.45
2:8z:256:ALA:O	2:9N:259:VAL:HG12	2.16	0.45
2:8z:270:ILE:HG22	2:8z:274:LYS:HE2	1.99	0.45
2:1v:110:LEU:HD12	2:1v:110:LEU:O	2.16	0.45
2:1v:242:LEU:HD22	2:2u:244:GLY:CA	2.44	0.45
2:2x:77:LEU:HD12	2:2x:110:LEU:CD1	2.46	0.45
2:4m:97:TYR:OH	2:4m:111:VAL:HB	2.15	0.45
2:5m:99:VAL:HB	2:7t:5:PHE:CD1	2.51	0.45
2:5m:277:GLY:C	2:6w:247:LYS:HG3	2.34	0.45
2:5n:110:LEU:HD12	2:5n:110:LEU:O	2.16	0.45
2:5n:270:ILE:HG22	2:5n:274:LYS:HE2	1.99	0.45
2:6v:97:TYR:OH	2:6v:111:VAL:HB	2.15	0.45
2:6w:240:THR:CA	2:7t:246:LYS:CD	2.85	0.45
2:7w:246:LYS:HE2	2:9R:241:THR:C	2.41	0.45
2:7x:23:GLN:HG3	2:9N:73:VAL:O	2.16	0.45
2:9M:279:ILE:HB	2:9J:272:VAL:HG11	1.93	0.45
2:9N:97:TYR:OH	2:9N:111:VAL:HB	2.15	0.45
2:9P:270:ILE:HG22	2:9P:274:LYS:HE2	1.99	0.45
1:1D:314:ASN:O	1:1D:316:ARG:N	2.49	0.45
1:1F:130:LEU:N	1:1F:130:LEU:HD23	2.31	0.45
1:1F:356:PRO:CB	1:1F:369:PHE:CE2	2.99	0.45
1:2C:270:MET:O	1:2C:271:ASN:HB2	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2E:16:GLU:O	1:2E:18:TYR:N	2.49	0.45
1:2E:91:ILE:O	1:2E:91:ILE:HG22	2.15	0.45
1:3A:314:ASN:OD1	1:3A:314:ASN:C	2.58	0.45
1:3C:201:ASP:OD2	1:3C:212:GLU:HG3	2.17	0.45
1:3F:443:SER:C	2:3e:56:ASN:ND2	2.74	0.45
1:3F:445:GLY:HA2	2:3e:45:LYS:HG2	1.99	0.45
1:4F:96:THR:HA	1:4F:132:HIS:O	2.17	0.45
1:5B:154:VAL:O	1:5B:155:SER:CB	2.64	0.45
1:5F:32:PHE:N	1:5F:32:PHE:CD1	2.83	0.45
1:5F:101:TYR:CD2	1:5F:101:TYR:C	2.94	0.45
1:6F:160:GLU:OE1	1:6F:160:GLU:N	2.47	0.45
1:8A:407:ASN:OD1	2:8e:45:LYS:HB2	2.15	0.45
1:8C:36:VAL:N	1:8C:37:PRO:CD	2.79	0.45
1:1K:407:ASN:O	1:1K:408:GLU:CB	2.64	0.45
1:2J:19:ASP:OD1	1:2J:19:ASP:C	2.59	0.45
1:3G:314:ASN:OD1	1:3G:314:ASN:C	2.58	0.45
1:3H:170:ILE:O	1:3H:171:TYR:CB	2.63	0.45
1:3I:212:GLU:OE1	1:3I:212:GLU:HA	2.17	0.45
1:3J:81:ASN:OD1	1:3J:81:ASN:C	2.59	0.45
1:3L:448:ALA:CB	2:3i:57:MET:CE	2.95	0.45
1:4G:18:TYR:CD1	1:4G:18:TYR:C	2.94	0.45
1:7F:30:ASP:OD1	1:7F:30:ASP:C	2.58	0.45
1:7J:103:ASP:HB3	1:7J:238:VAL:HG13	1.99	0.45
1:8G:145:GLN:NE2	1:8M:110:TYR:OH	2.50	0.45
1:9B:407:ASN:HD21	2:9G:46:ASP:HB2	1.82	0.45
1:1P:314:ASN:O	1:1P:315:PRO:C	2.60	0.45
1:1Q:18:TYR:O	1:1Q:18:TYR:CG	2.70	0.45
1:1R:130:LEU:N	1:1R:130:LEU:HD23	2.31	0.45
1:2L:404:VAL:C	2:2l:16:TYR:OH	2.60	0.45
1:3P:81:ASN:OD1	1:3P:81:ASN:C	2.59	0.45
1:3P:445:GLY:H	2:3o:44:VAL:CG2	2.29	0.45
1:6O:288:THR:OG1	1:6O:289:GLY:N	2.49	0.45
1:8R:19:ASP:OD1	1:8R:19:ASP:C	2.58	0.45
1:8R:394:THR:O	1:8R:394:THR:HG22	2.16	0.45
1:8R:447:GLN:CG	2:8s:44:VAL:CG2	2.94	0.45
1:1U:444:GLY:HA3	2:1s:45:LYS:HD2	1.87	0.45
1:1W:407:ASN:O	1:1W:408:GLU:CB	2.64	0.45
1:2S:25:ARG:CZ	2:3q:51:ASP:OD2	2.63	0.45
1:2S:314:ASN:C	1:2S:314:ASN:OD1	2.59	0.45
1:3U:212:GLU:HA	1:3U:212:GLU:OE1	2.17	0.45
1:3W:355:SER:HB2	1:3W:356:PRO:HD2	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4W:21:VAL:O	1:4W:25:ARG:N	2.50	0.45
1:4W:419:ASP:OD1	1:4W:419:ASP:C	2.57	0.45
1:4X:227:PRO:O	1:4X:228:GLN:HB2	2.16	0.45
1:5T:14:ILE:O	1:5T:14:ILE:HG22	2.16	0.45
1:5X:101:TYR:CD2	1:5X:101:TYR:C	2.94	0.45
1:5X:422:THR:HG21	1:5X:427:LYS:HE3	1.98	0.45
1:6T:393:GLY:N	2:6s:107:LEU:CD1	2.79	0.45
1:6W:447:GLN:HG2	2:6r:42:VAL:HG13	1.99	0.45
1:8S:95:ARG:O	1:8S:96:THR:HB	2.17	0.45
1:8T:356:PRO:O	1:8T:357:ASN:HB2	2.17	0.45
1:9D:447:GLN:CA	2:9I:55:VAL:HG13	2.43	0.45
1:1b:314:ASN:O	1:1b:315:PRO:C	2.60	0.45
1:1b:440:ASN:OD1	1:1b:440:ASN:C	2.54	0.45
1:1c:407:ASN:O	1:1c:408:GLU:CB	2.65	0.45
1:2V:241:ARG:HD2	1:2V:241:ARG:C	2.41	0.45
1:2Y:190:TYR:CD2	1:2Y:190:TYR:C	2.94	0.45
1:6Z:397:THR:O	1:6Z:397:THR:HG22	2.15	0.45
1:6a:288:THR:OG1	1:6a:289:GLY:N	2.49	0.45
2:2Z:219:LYS:CG	2:1l:226:ILE:HA	2.44	0.45
2:2a:179:ASN:ND2	2:2a:192:ASN:HD22	2.11	0.45
2:2c:202:SER:H	2:3l:197:GLN:HE22	1.54	0.45
2:2d:136:LEU:HA	2:3k:132:GLY:HA3	1.99	0.45
2:3e:212:GLY:HA3	2:4e:203:ASN:HB2	1.98	0.45
2:3e:245:VAL:N	2:4e:243:GLY:H	2.15	0.45
2:3g:196:LEU:HD22	2:2x:183:PHE:CE1	2.49	0.45
2:3h:120:ILE:O	2:2w:125:ILE:HA	2.16	0.45
2:5f:62:ALA:HA	2:5f:112:ILE:HD12	1.98	0.45
2:5f:270:ILE:HG22	2:5f:274:LYS:HE2	1.99	0.45
2:6e:150:GLU:OE1	2:7g:141:PRO:HB2	2.17	0.45
2:7d:247:LYS:N	2:9P:239:THR:HA	2.31	0.45
2:8f:267:ASN:CG	2:9P:253:ALA:HB1	2.39	0.45
2:1i:59:PRO:N	2:1p:61:ALA:HB2	2.31	0.45
2:1j:247:LYS:N	2:3j:239:THR:CA	2.77	0.45
2:1k:215:THR:H	2:1k:218:ASN:HD22	1.63	0.45
2:1k:259:VAL:HB	2:3k:258:ASP:HA	1.73	0.45
2:2h:201:VAL:HG21	2:3p:210:LEU:HD13	1.91	0.45
2:2i:119:SER:HB3	2:3o:126:LYS:HB2	1.98	0.45
2:2i:120:ILE:CD1	2:3o:120:ILE:HD13	2.47	0.45
2:2i:136:LEU:HA	2:3o:132:GLY:CA	2.47	0.45
2:3i:219:LYS:HB3	2:4g:226:ILE:O	2.17	0.45
2:3i:245:VAL:HG22	2:4g:245:VAL:HG13	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3j:215:THR:H	2:3j:218:ASN:HD22	1.63	0.45
2:4h:244:GLY:CA	2:3p:242:LEU:CD1	2.88	0.45
2:5g:234:LEU:CD1	2:6k:234:LEU:CD2	2.90	0.45
2:5h:239:THR:HG22	2:7f:247:LYS:C	2.42	0.45
2:6i:265:ASP:CB	2:8o:266:LEU:HD22	2.03	0.45
2:6k:76:ASN:ND2	2:6k:116:LYS:CG	2.80	0.45
2:6k:174:LEU:HD22	2:7e:174:LEU:HD11	1.98	0.45
2:7h:269:LEU:HD22	2:8p:270:ILE:HG13	1.98	0.45
2:8k:110:LEU:HD12	2:8k:110:LEU:O	2.16	0.45
2:8k:132:GLY:HA2	2:9G:135:LEU:O	2.16	0.45
2:8k:225:MET:CE	2:9G:212:GLY:C	2.80	0.45
2:8m:148[A]:ILE:CG2	2:8q:145:ARG:CG	2.93	0.45
2:1m:38:ILE:HD11	2:1m:114:ARG:HH22	1.73	0.45
2:1n:206:VAL:HG21	2:2k:209:LEU:O	2.16	0.45
2:1n:238:THR:C	2:2k:247:LYS:CB	2.90	0.45
2:1n:247:LYS:N	2:3n:239:THR:CA	2.77	0.45
2:1o:97:TYR:OH	2:1o:111:VAL:HB	2.15	0.45
2:1o:273:LEU:CD1	2:3o:273:LEU:CD1	2.84	0.45
2:1p:270:ILE:HG22	2:1p:274:LYS:HE2	1.99	0.45
2:2k:226:ILE:HD11	2:3n:226:ILE:HD11	1.99	0.45
2:2l:244:GLY:HA3	2:3m:242:LEU:CA	2.46	0.45
2:2l:244:GLY:O	2:3m:242:LEU:HD23	2.14	0.45
2:2n:136:LEU:HA	2:3s:132:GLY:CA	2.47	0.45
2:2n:270:ILE:HG22	2:2n:274:LYS:HE2	1.99	0.45
2:3n:215:THR:H	2:3n:218:ASN:HD22	1.63	0.45
2:5i:226:ILE:HD11	2:7j:226:ILE:HD13	1.91	0.45
2:5j:116:LYS:CA	2:5j:116:LYS:CE	2.85	0.45
2:6m:150:GLU:OE1	2:7q:141:PRO:HB2	2.17	0.45
2:6n:183:PHE:HZ	2:7p:196:LEU:HD22	1.82	0.45
2:6n:209:LEU:CD1	2:7p:225:MET:SD	2.98	0.45
2:6n:232:TYR:CD2	2:7p:232:TYR:CD1	3.05	0.45
2:6n:236:ALA:HA	2:7p:242:LEU:HD13	1.98	0.45
2:6o:127:ASP:OD1	2:7j:121[A]:GLU:CA	2.63	0.45
2:6o:242:LEU:HD22	2:7j:244:GLY:C	2.42	0.45
2:7n:77:LEU:HD12	2:7n:110:LEU:CD1	2.46	0.45
2:8q:110:LEU:HD12	2:8q:110:LEU:O	2.16	0.45
2:8s:246:LYS:CG	2:9I:240:THR:HA	2.47	0.45
2:1r:247:LYS:CD	2:3r:239:THR:N	2.80	0.45
2:1s:270:ILE:HG23	2:3s:251:VAL:CG1	2.47	0.45
2:1t:76:ASN:ND2	2:1t:116:LYS:CG	2.80	0.45
2:2q:215:THR:H	2:2q:218:ASN:HD22	1.64	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:269:LEU:HD22	2:3q:270:ILE:CD1	2.46	0.45
2:2r:125:ILE:HA	2:3x:120:ILE:HG13	1.98	0.45
2:2s:119:SER:HB3	2:3w:126:LYS:HB2	1.98	0.45
2:2s:251:VAL:CG1	2:3w:279:ILE:HD12	2.45	0.45
2:5l:62:ALA:HA	2:5l:112:ILE:HD12	1.97	0.45
2:6q:145:ARG:CG	2:9K:148[A]:ILE:HG23	2.47	0.45
2:6r:28:ILE:HB	2:5n:73:VAL:CG1	2.46	0.45
2:6s:243:GLY:H	2:7o:244:GLY:HA2	1.75	0.45
2:6s:280:SER:OG	2:7o:247:LYS:CE	2.65	0.45
2:6t:97:TYR:CZ	2:6t:111:VAL:CB	2.82	0.45
2:8w:238:THR:C	2:9I:246:LYS:HD3	2.31	0.45
2:8y:270:ILE:HG22	2:8y:274:LYS:HE2	1.99	0.45
2:1v:242:LEU:HD13	2:2u:235:PRO:C	2.41	0.45
2:1v:270:ILE:HG22	2:1v:274:LYS:HE2	1.99	0.45
2:1w:237:ALA:CB	2:3w:245:VAL:O	2.54	0.45
2:1x:76:ASN:ND2	2:1x:116:LYS:CG	2.80	0.45
2:2u:226:ILE:CD1	2:3v:222:LEU:C	2.88	0.45
2:2w:160:GLY:HA2	2:4n:173:LEU:HD13	1.98	0.45
2:3u:245:VAL:N	2:4m:243:GLY:H	2.15	0.45
2:3u:270:ILE:HG22	2:3u:274:LYS:HE2	1.99	0.45
2:3u:278:ILE:CD1	2:4m:278:ILE:O	2.64	0.45
2:4m:215:THR:H	2:4m:218:ASN:HD22	1.63	0.45
2:4n:110:LEU:HD12	2:4n:110:LEU:O	2.16	0.45
2:5m:267:ASN:ND2	2:6w:254:SER:C	2.43	0.45
2:6u:126:LYS:C	2:6u:126:LYS:CD	2.85	0.45
2:6u:247:LYS:HG2	2:9Q:278:ILE:O	2.16	0.45
2:6w:110:LEU:HD12	2:6w:110:LEU:O	2.16	0.45
2:6w:280:SER:OG	2:7t:247:LYS:CE	2.65	0.45
2:6x:158[A]:ILE:HD11	2:9R:158[A]:ILE:HG12	1.98	0.45
2:7w:251:VAL:CG2	2:9R:270:ILE:HG21	2.34	0.45
2:7x:179:ASN:ND2	2:7x:192:ASN:HD22	2.11	0.45
2:9N:215:THR:H	2:9N:218:ASN:HD22	1.63	0.45
1:1A:313:ARG:HA	1:1A:320:TRP:HA	1.98	0.45
1:2B:120:PHE:O	1:2B:121:GLU:HB2	2.16	0.45
1:2E:363:GLN:HG2	1:2E:439:PRO:HA	1.97	0.45
1:4A:18:TYR:O	1:4A:18:TYR:CD1	2.69	0.45
1:4A:407:ASN:OD1	1:4A:407:ASN:C	2.59	0.45
1:4E:118:LYS:O	1:4E:120:PHE:N	2.49	0.45
1:5C:230:SER:OG	1:5C:231:ARG:N	2.49	0.45
1:5E:36:VAL:N	1:5E:37:PRO:HD2	2.32	0.45
1:5F:205:SER:OG	1:5F:206:SER:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6A:355:SER:HB3	1:6A:356:PRO:HD3	1.98	0.45
1:7E:275:PHE:CD2	1:7E:275:PHE:O	2.69	0.45
1:8A:145:GLN:NE2	1:8G:110:TYR:OH	2.49	0.45
1:1G:312:VAL:O	1:1G:312:VAL:CG1	2.63	0.45
1:1I:444:GLY:CA	2:1k:45:LYS:NZ	2.61	0.45
1:1K:314:ASN:OD1	1:1K:314:ASN:C	2.58	0.45
1:1K:394:THR:O	1:1K:394:THR:CG2	2.63	0.45
1:3G:111:ASP:O	1:3G:112:ALA:CB	2.63	0.45
1:3J:151:THR:OG1	1:3J:152:ALA:N	2.50	0.45
1:4G:407:ASN:OD1	1:4G:407:ASN:C	2.59	0.45
1:4J:36:VAL:N	1:4J:37:PRO:CD	2.79	0.45
1:4L:20:ILE:O	1:4L:21:VAL:HB	2.17	0.45
1:5J:310:GLU:HA	1:5J:310:GLU:OE1	2.16	0.45
1:6K:245:GLU:H	1:6K:245:GLU:CD	2.13	0.45
1:8G:213:PHE:CD2	1:8G:213:PHE:C	2.94	0.45
1:8L:230:SER:OG	1:8L:231:ARG:N	2.50	0.45
1:8L:394:THR:HG22	1:8L:394:THR:O	2.16	0.45
1:1P:443:SER:CA	2:1p:56:ASN:ND2	2.53	0.45
1:1Q:407:ASN:O	1:1Q:408:GLU:CB	2.64	0.45
1:2L:36:VAL:N	1:2L:37:PRO:HD2	2.31	0.45
1:2L:241:ARG:HD2	1:2L:241:ARG:C	2.41	0.45
1:3M:19:ASP:OD1	1:3M:19:ASP:C	2.59	0.45
1:3M:355:SER:HB2	1:3M:356:PRO:HD3	1.98	0.45
1:4P:30:ASP:OD1	1:4P:30:ASP:C	2.59	0.45
1:4R:96:THR:HA	1:4R:132:HIS:O	2.17	0.45
1:1V:314:ASN:O	1:1V:315:PRO:C	2.60	0.45
1:2Q:111:ASP:OD1	1:2Q:111:ASP:C	2.58	0.45
1:3V:154:VAL:O	1:3V:154:VAL:CG1	2.57	0.45
1:5X:317:GLY:O	1:5X:318:LEU:HB2	2.16	0.45
1:7P:93:LEU:C	1:7P:93:LEU:CD1	2.87	0.45
1:7R:202:GLU:HA	1:7R:343:SER:CB	2.46	0.45
1:2V:111:ASP:OD1	1:2V:111:ASP:C	2.58	0.45
1:3a:212:GLU:HA	1:3a:212:GLU:OE1	2.17	0.45
1:3a:408:GLU:CG	1:3a:437:ILE:HD11	2.47	0.45
1:3d:411:GLN:HG2	1:3d:411:GLN:O	2.16	0.45
1:4b:137:GLN:O	1:4b:137:GLN:CG	2.62	0.45
1:4d:96:THR:HA	1:4d:132:HIS:O	2.17	0.45
1:5a:286:ALA:HA	1:5b:31:ASN:HB3	1.99	0.45
1:6Z:355:SER:CB	1:6Z:356:PRO:HD3	2.47	0.45
1:7U:272:ARG:NE	1:7U:272:ARG:HA	2.31	0.45
1:7Y:355:SER:HB3	1:7Y:356:PRO:HD3	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8Z:190:TYR:CD2	1:8Z:190:TYR:C	2.93	0.45
1:8c:21:VAL:O	1:8c:21:VAL:HG12	2.17	0.45
2:1f:76:ASN:ND2	2:1f:116:LYS:CG	2.80	0.45
2:1f:114:ARG:HB2	2:2a:114:ARG:HD2	1.99	0.45
2:1g:250:ALA:HA	2:2x:280:SER:O	2.17	0.45
2:1h:41:TYR:CZ	2:1h:57:MET:SD	3.08	0.45
2:1h:222:LEU:CD2	2:2t:209:LEU:HD11	2.47	0.45
2:1h:239:THR:N	2:2t:247:LYS:N	2.46	0.45
2:2Z:77:LEU:HD12	2:2Z:110:LEU:CD1	2.46	0.45
2:2c:23:GLN:HG3	2:3l:73:VAL:O	2.16	0.45
2:2c:125:ILE:HA	2:3l:120:ILE:HG13	1.98	0.45
2:2d:132:GLY:HA3	2:1k:136:LEU:HA	1.98	0.45
2:2d:251:VAL:CG1	2:3k:279:ILE:HD12	2.45	0.45
2:2d:270:ILE:HG22	2:2d:274:LYS:HE2	1.99	0.45
2:3e:148[B]:ILE:CD1	2:4e:148[B]:ILE:CD1	2.94	0.45
2:3e:219:LYS:HB3	2:4e:226:ILE:O	2.17	0.45
2:3g:270:ILE:HG22	2:3g:274:LYS:HE2	1.99	0.45
2:3h:239:THR:HG22	2:4n:247:LYS:CE	2.43	0.45
2:4f:76:ASN:ND2	2:4f:116:LYS:CG	2.80	0.45
2:4f:215:THR:H	2:4f:218:ASN:HD22	1.64	0.45
2:5f:110:LEU:HD12	2:5f:110:LEU:O	2.16	0.45
2:6e:145:ARG:CG	2:8i:148[A]:ILE:HG23	2.47	0.45
2:6g:280:SER:OG	2:7Z:247:LYS:CE	2.65	0.45
2:8h:110:LEU:HD12	2:8h:110:LEU:O	2.16	0.45
2:8j:76:ASN:ND2	2:8j:116:LYS:CG	2.80	0.45
2:1j:200:LEU:HD13	2:3j:200:LEU:HD13	1.98	0.45
2:2e:209:LEU:HD11	2:1p:222:LEU:CD2	2.47	0.45
2:2h:148[B]:ILE:HD13	2:4h:148[B]:ILE:HD13	1.98	0.45
2:3i:110:LEU:HD12	2:3i:110:LEU:O	2.16	0.45
2:3i:270:ILE:HG22	2:3i:274:LYS:HE2	1.99	0.45
2:3j:97:TYR:CZ	2:3j:111:VAL:CB	2.82	0.45
2:5g:200:LEU:O	2:6k:193:LYS:HD3	2.17	0.45
2:5h:59:PRO:HG2	2:7f:59:PRO:O	2.16	0.45
2:6k:127:ASP:OD1	2:7e:121[A]:GLU:CA	2.63	0.45
2:6l:41:TYR:CD2	2:6l:57:MET:HE1	2.48	0.45
2:6l:210:LEU:HA	2:7h:206:VAL:HG11	1.99	0.45
2:8k:76:ASN:ND2	2:8k:116:LYS:CG	2.80	0.45
2:8k:201:VAL:H	2:9G:193:LYS:CE	2.29	0.45
2:8k:270:ILE:H	2:9G:269:LEU:HD22	1.78	0.45
2:8m:38:ILE:HD11	2:8m:114:ARG:CZ	2.34	0.45
2:8m:97:TYR:OH	2:8m:111:VAL:HB	2.15	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1o:132:GLY:CA	2:3o:135:LEU:O	2.65	0.45
2:1o:199:LEU:O	2:3o:193:LYS:CG	2.64	0.45
2:2j:209:LEU:HD11	2:1t:222:LEU:CD2	2.47	0.45
2:2j:248:GLY:O	2:1t:280:SER:OG	2.31	0.45
2:2l:77:LEU:HD12	2:2l:110:LEU:CD1	2.46	0.45
2:2n:120:ILE:CD1	2:3s:120:ILE:HD13	2.47	0.45
2:2n:215:THR:H	2:2n:218:ASN:HD22	1.64	0.45
2:2n:279:ILE:CD1	2:1s:251:VAL:CG1	2.82	0.45
2:2n:280:SER:O	2:1s:250:ALA:HA	2.17	0.45
2:3m:62:ALA:HA	2:3m:112:ILE:HD12	1.98	0.45
2:4j:270:ILE:HG22	2:4j:274:LYS:HE2	1.99	0.45
2:5j:28:ILE:HG13	2:7k:73:VAL:HG12	1.99	0.45
2:6o:76:ASN:ND2	2:6o:116:LYS:CG	2.80	0.45
2:6o:280:SER:OG	2:7j:247:LYS:CE	2.65	0.45
2:6p:97:TYR:CZ	2:6p:111:VAL:CB	2.82	0.45
2:6p:269:LEU:HD22	2:7m:270:ILE:HG13	1.96	0.45
2:8s:175:PHE:HZ	2:9l:175:PHE:CZ	2.34	0.45
2:8t:227:GLY:O	2:7s:223:ARG:HD2	2.12	0.45
2:1q:111:VAL:HG13	2:2o:57:MET:CE	2.46	0.45
2:1s:180:VAL:HG11	2:3s:184:LEU:O	2.17	0.45
2:1s:266:LEU:CG	2:3s:265:ASP:C	2.88	0.45
2:2o:193:LYS:HD3	2:1x:202:SER:N	2.31	0.45
2:2p:226:ILE:HD11	2:3r:226:ILE:HD11	1.99	0.45
2:2s:132:GLY:HA3	2:1w:136:LEU:HA	1.98	0.45
2:2s:219:LYS:HE2	2:3w:226:ILE:C	2.41	0.45
2:2s:246:LYS:HD3	2:3w:239:THR:O	2.17	0.45
2:2s:280:SER:O	2:1w:250:ALA:HA	2.17	0.45
2:3q:76:ASN:ND2	2:3q:116:LYS:CG	2.80	0.45
2:3q:270:ILE:HG22	2:3q:274:LYS:HE2	1.99	0.45
2:4l:215:THR:H	2:4l:218:ASN:HD22	1.64	0.45
2:5l:239:THR:HA	2:7p:247:LYS:N	2.32	0.45
2:6q:62:ALA:HA	2:6q:112:ILE:HD12	1.98	0.45
2:6q:126:LYS:C	2:6q:126:LYS:CD	2.86	0.45
2:6s:242:LEU:C	2:7o:244:GLY:HA3	2.38	0.45
2:7q:270:ILE:HG22	2:7q:274:LYS:HE2	1.99	0.45
2:8y:163:THR:H	2:8y:166:ASN:ND2	2.09	0.45
2:1u:73:VAL:HG11	2:2t:27:ILE:CA	2.43	0.45
2:1u:111:VAL:HG13	2:2t:57:MET:CE	2.46	0.45
2:1u:229:GLY:N	2:2t:229:GLY:N	2.65	0.45
2:1v:247:LYS:CD	2:3v:239:THR:N	2.80	0.45
2:1w:280:SER:OG	2:3w:249:ALA:HA	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1x:163:THR:H	2:1x:166:ASN:ND2	2.09	0.45
2:2v:77:LEU:HD12	2:2v:110:LEU:CD1	2.46	0.45
2:2w:148[B]:ILE:HD13	2:4n:148[B]:ILE:HD13	1.98	0.45
2:2w:179:ASN:ND2	2:2w:192:ASN:HD22	2.11	0.45
2:6w:202:SER:CB	2:7t:193:LYS:CD	2.85	0.45
2:6w:270:ILE:HG22	2:6w:274:LYS:HE2	1.99	0.45
2:6x:210:LEU:HA	2:7w:206:VAL:HG11	1.99	0.45
2:7w:231:PRO:CG	2:9R:229:GLY:HA3	2.47	0.45
2:9M:132:GLY:HA3	2:9J:136:LEU:CA	2.45	0.45
2:9M:270:ILE:HG22	2:9M:274:LYS:HE2	1.99	0.45
2:9Q:215:THR:H	2:9Q:218:ASN:HD22	1.63	0.45
1:1C:36:VAL:N	1:1C:37:PRO:CD	2.79	0.45
1:1F:425:LYS:HG2	1:1F:425:LYS:O	2.16	0.45
1:2E:412:LEU:HB2	1:2E:435:VAL:HB	1.98	0.45
1:4A:18:TYR:CD1	1:4A:18:TYR:C	2.94	0.45
1:4D:355:SER:O	1:4D:356:PRO:C	2.59	0.45
1:4F:54:ASN:OD1	1:4F:54:ASN:C	2.59	0.45
1:6F:19:ASP:OD1	1:6F:19:ASP:C	2.58	0.45
1:6F:36:VAL:N	1:6F:37:PRO:CD	2.80	0.45
1:8B:356:PRO:O	1:8B:357:ASN:HB2	2.17	0.45
1:8F:274:ASP:OD1	1:8F:274:ASP:C	2.57	0.45
1:2G:314:ASN:OD1	1:2G:314:ASN:C	2.59	0.45
1:3K:200:ILE:HG22	1:3K:216:LYS:CD	2.47	0.45
1:4J:355:SER:O	1:4J:356:PRO:C	2.59	0.45
1:4L:54:ASN:OD1	1:4L:54:ASN:C	2.59	0.45
1:5K:36:VAL:N	1:5K:37:PRO:HD2	2.32	0.45
1:6I:288:THR:OG1	1:6I:289:GLY:N	2.49	0.45
1:8J:36:VAL:N	1:8J:37:PRO:CD	2.79	0.45
1:3R:355:SER:HB3	1:3R:356:PRO:CD	2.46	0.45
1:6R:355:SER:CB	1:6R:356:PRO:HD3	2.47	0.45
1:8P:447:GLN:HB2	2:8u:56:ASN:HB2	1.99	0.45
1:3S:355:SER:HB2	1:3S:356:PRO:HD3	1.98	0.45
1:4X:275:PHE:CD1	1:4X:275:PHE:C	2.95	0.45
1:5W:201:ASP:OD2	1:5W:343:SER:HB2	2.17	0.45
1:6U:202:GLU:HB2	1:6U:205:SER:HB3	1.97	0.45
1:9D:395:ALA:H	2:9I:16:TYR:HE1	1.61	0.45
1:2W:314:ASN:OD1	1:2W:314:ASN:C	2.58	0.45
1:3Y:355:SER:HB2	1:3Y:356:PRO:HD3	1.98	0.45
1:3a:397:THR:OG1	1:3a:399:ASP:OD1	2.32	0.45
1:3d:444:GLY:O	2:3u:44:VAL:HG23	2.16	0.45
1:4b:355:SER:O	1:4b:356:PRO:C	2.59	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5Z:397:THR:O	1:5Z:397:THR:CG2	2.61	0.45
1:5c:36:VAL:N	1:5c:37:PRO:HD2	2.32	0.45
1:5c:201:ASP:OD2	1:5c:343:SER:HB2	2.17	0.45
1:5c:355:SER:HB3	1:5c:356:PRO:HD3	1.99	0.45
1:6a:355:SER:O	1:6a:356:PRO:C	2.59	0.45
1:7X:448:ALA:C	2:7t:41:TYR:HA	2.41	0.45
1:8a:445:GLY:CA	2:9R:47:VAL:CG2	2.93	0.45
2:1e:59:PRO:N	2:1l:61:ALA:HB2	2.31	0.45
2:1f:247:LYS:CD	2:3f:239:THR:N	2.80	0.45
2:1g:270:ILE:HG22	2:1g:274:LYS:HE2	1.99	0.45
2:2a:57:MET:CE	2:3f:111:VAL:HG13	2.46	0.45
2:2b:270:ILE:HG22	2:2b:274:LYS:HE2	1.99	0.45
2:2c:120:ILE:CD1	2:4f:120:ILE:HD13	2.47	0.45
2:2d:120:ILE:CD1	2:3k:120:ILE:HD13	2.47	0.45
2:2d:136:LEU:HA	2:3k:132:GLY:CA	2.47	0.45
2:3g:132:GLY:HA3	2:2x:136:LEU:HA	1.99	0.45
2:5f:59:PRO:HD3	2:7a:61:ALA:HB2	1.98	0.45
2:5f:239:THR:HA	2:7a:247:LYS:N	2.32	0.45
2:6f:183:PHE:HZ	2:7f:196:LEU:HD22	1.82	0.45
2:6g:270:ILE:HD11	2:7Z:269:LEU:HD22	1.97	0.45
2:6h:269:LEU:CD2	2:8j:269:LEU:HD21	2.47	0.45
2:7c:256:ALA:HB3	2:8j:263:VAL:HG22	1.89	0.45
2:7c:269:LEU:HD22	2:8j:270:ILE:HG13	1.98	0.45
2:8e:58:TYR:HB3	2:9O:2:MET:HE1	1.98	0.45
2:8e:274:LYS:NZ	2:9F:251:VAL:HG22	2.32	0.45
2:8g:175:PHE:CZ	2:9G:175:PHE:HZ	2.33	0.45
2:8g:234:LEU:HD21	2:9G:242:LEU:CA	2.39	0.45
2:8g:234:LEU:CD2	2:9G:242:LEU:CA	2.93	0.45
2:8h:215:THR:H	2:8h:218:ASN:HD22	1.64	0.45
2:8i:111:VAL:HG13	2:7g:57:MET:HE2	1.97	0.45
2:1j:239:THR:HA	2:2f:247:LYS:O	2.17	0.45
2:2f:226:ILE:HD11	2:3j:226:ILE:HD11	1.99	0.45
2:2h:241:THR:CG2	2:3p:234:LEU:HD22	2.36	0.45
2:2i:136:LEU:C	2:3o:132:GLY:HA3	2.42	0.45
2:5g:154:ALA:CB	2:6k:158[A]:ILE:HA	2.47	0.45
2:5g:175:PHE:CD1	2:6k:171:GLN:NE2	2.84	0.45
2:5h:239:THR:HA	2:7f:247:LYS:N	2.32	0.45
2:6i:269:LEU:CD2	2:8o:269:LEU:CG	2.90	0.45
2:6j:184:LEU:HD13	2:7k:175:PHE:HE1	1.82	0.45
2:6j:270:ILE:HG22	2:6j:274:LYS:HE2	1.99	0.45
2:6k:242:LEU:HD22	2:7e:244:GLY:C	2.42	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6l:193:LYS:HB3	2:7h:200:LEU:O	2.17	0.45
2:7e:77:LEU:HD12	2:7e:110:LEU:CD1	2.46	0.45
2:7h:270:ILE:HG22	2:7h:274:LYS:HE2	1.99	0.45
2:8o:111:VAL:HG13	2:7l:57:MET:HE2	1.97	0.45
2:1m:129:GLY:HA3	2:1t:138:ILE:O	2.15	0.45
2:1p:110:LEU:HD12	2:1p:110:LEU:O	2.16	0.45
2:2k:270:ILE:HG22	2:2k:274:LYS:HE2	1.99	0.45
2:2k:280:SER:OG	2:3n:247:LYS:HG2	2.16	0.45
2:2n:136:LEU:C	2:3s:132:GLY:HA3	2.42	0.45
2:3p:97:TYR:OH	2:3p:111:VAL:HB	2.15	0.45
2:5i:97:TYR:OH	2:5i:111:VAL:HB	2.15	0.45
2:5j:110:LEU:HD12	2:5j:110:LEU:O	2.16	0.45
2:6m:76:ASN:ND2	2:6m:116:LYS:CG	2.80	0.45
2:6o:243:GLY:H	2:7j:244:GLY:HA2	1.74	0.45
2:7l:270:ILE:HG22	2:7l:274:LYS:HE2	1.99	0.45
2:7m:219:LYS:HG2	2:8v:226:ILE:HA	1.98	0.45
2:8r:179:ASN:ND2	2:8r:192:ASN:HD22	2.11	0.45
2:8s:174:LEU:HD11	2:9l:174:LEU:CD2	2.42	0.45
2:8t:239:THR:N	2:7s:247:LYS:HB2	2.32	0.45
2:8t:253:ALA:HB1	2:8x:267:ASN:CG	2.39	0.45
2:8u:163:THR:H	2:8u:166:ASN:ND2	2.09	0.45
2:1r:110:LEU:HD12	2:1r:110:LEU:O	2.16	0.45
2:1r:247:LYS:C	2:3r:239:THR:HG22	2.41	0.45
2:2p:77:LEU:HD12	2:2p:110:LEU:CD1	2.46	0.45
2:2q:228:ALA:C	2:4k:229:GLY:O	2.57	0.45
2:5l:270:ILE:HG22	2:5l:274:LYS:HE2	1.99	0.45
2:6q:247:LYS:HG2	2:9K:278:ILE:O	2.16	0.45
2:6s:116:LYS:CA	2:6s:116:LYS:CE	2.85	0.45
2:6s:270:ILE:HG22	2:6s:274:LYS:HE2	1.99	0.45
2:8w:175:PHE:HA	2:9l:171:GLN:HE22	1.79	0.45
2:8x:270:ILE:HG22	2:8x:274:LYS:HE2	1.99	0.45
2:8y:234:LEU:CG	2:9J:242:LEU:CB	2.94	0.45
2:8y:247:LYS:HG2	2:9J:239:THR:CG2	2.40	0.45
2:8y:267:ASN:CG	2:9M:254:SER:O	2.59	0.45
2:8z:110:LEU:HD12	2:8z:110:LEU:O	2.16	0.45
2:9K:163:THR:H	2:9K:166:ASN:ND2	2.09	0.45
2:1u:111:VAL:HG13	2:2t:57:MET:HE2	1.98	0.45
2:1u:193:LYS:CD	2:2t:202:SER:HB3	2.46	0.45
2:1v:239:THR:CG2	2:2u:247:LYS:O	2.49	0.45
2:1w:163:THR:H	2:1w:166:ASN:ND2	2.09	0.45
2:1w:177:ASP:CG	2:3w:186:ALA:CB	2.90	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1x:270:ILE:HG22	2:1x:274:LYS:HE2	1.99	0.45
2:2v:230:VAL:HA	2:3u:229:GLY:N	2.31	0.45
2:2v:244:GLY:HA3	2:3u:242:LEU:CA	2.46	0.45
2:3x:97:TYR:OH	2:3x:111:VAL:HB	2.15	0.45
2:5m:154:ALA:CB	2:6w:158[A]:ILE:HA	2.47	0.45
2:5m:270:ILE:HG22	2:5m:274:LYS:HE2	1.99	0.45
2:5n:226:ILE:O	2:7u:223:ARG:CG	2.64	0.45
2:6w:174:LEU:HD22	2:7t:174:LEU:HD11	1.98	0.45
2:6w:243:GLY:H	2:7t:244:GLY:HA2	1.74	0.45
2:6w:243:GLY:HA2	2:7t:234:LEU:HD22	1.98	0.45
2:7u:77:LEU:HD12	2:7u:110:LEU:CD1	2.46	0.45
2:7x:242:LEU:HD13	2:9N:234:LEU:CD2	2.47	0.45
2:7x:242:LEU:CD1	2:9N:234:LEU:HD23	2.47	0.45
2:9M:279:ILE:HG23	2:9J:278:ILE:HD12	1.99	0.45
1:1A:312:VAL:O	1:1A:312:VAL:CG1	2.63	0.45
1:1B:241:ARG:HD2	1:1B:241:ARG:C	2.42	0.45
1:1D:393:GLY:HA2	2:1h:107:LEU:HD12	1.99	0.45
1:1E:317:GLY:O	1:1E:318:LEU:HB2	2.17	0.45
1:2D:26:ASN:HA	2:3e:52:LEU:HD12	1.98	0.45
1:3C:444:GLY:O	2:3h:45:LYS:HG3	2.17	0.45
1:4D:36:VAL:N	1:4D:37:PRO:CD	2.79	0.45
1:6A:19:ASP:OD1	1:6A:19:ASP:C	2.58	0.45
1:6B:103:ASP:OD1	1:6B:103:ASP:C	2.57	0.45
1:6B:355:SER:CB	1:6B:356:PRO:HD3	2.47	0.45
1:6D:36:VAL:N	1:6D:37:PRO:CD	2.79	0.45
1:6D:227:PRO:HG2	1:6E:82:PRO:HG3	1.99	0.45
1:7E:355:SER:HB3	1:7E:356:PRO:HD3	1.97	0.45
1:1J:314:ASN:O	1:1J:315:PRO:C	2.60	0.45
1:5I:252:ASP:OD1	1:5I:252:ASP:C	2.57	0.45
1:8H:205:SER:OG	1:8H:206:SER:N	2.50	0.45
1:8I:392:THR:CG2	2:8p:107:LEU:HG	2.47	0.45
1:8L:6:ASN:OD1	1:8L:6:ASN:C	2.58	0.45
1:2M:36:VAL:N	1:2M:37:PRO:HD2	2.31	0.45
1:4R:20:ILE:O	1:4R:21:VAL:HB	2.17	0.45
1:8Q:21:VAL:O	1:8Q:21:VAL:HG12	2.17	0.45
1:9C:355:SER:CB	1:9C:356:PRO:HD3	2.47	0.45
1:1X:245:GLU:OE1	1:1X:245:GLU:N	2.34	0.45
1:2R:25:ARG:CZ	2:4I:51:ASP:OD1	2.64	0.45
1:2R:36:VAL:N	1:2R:37:PRO:HD2	2.31	0.45
1:3V:151:THR:OG1	1:3V:152:ALA:N	2.50	0.45
1:4T:33:LYS:O	1:4T:34:SER:CB	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4V:36:VAL:N	1:4V:37:PRO:CD	2.79	0.45
1:5U:230:SER:OG	1:5U:231:ARG:N	2.49	0.45
1:5V:310:GLU:HA	1:5V:310:GLU:OE1	2.16	0.45
1:6X:330:LEU:N	1:6X:330:LEU:HD23	2.32	0.45
1:6X:446:ALA:C	2:6q:44:VAL:HG11	2.40	0.45
1:8X:446:ALA:CA	2:8y:42:VAL:O	2.65	0.45
1:1Y:420:ILE:HB	1:1Y:427:LYS:HB3	1.99	0.45
1:1Z:81:ASN:OD1	1:1Z:81:ASN:C	2.60	0.45
1:2V:120:PHE:O	1:2V:121:GLU:HB2	2.16	0.45
1:4Y:258:GLU:HG2	1:4d:215:LYS:HD2	1.99	0.45
1:6c:7:ASP:OD1	1:6c:7:ASP:C	2.57	0.45
1:8Z:36:VAL:N	1:8Z:37:PRO:CD	2.80	0.45
2:1e:270:ILE:HG22	2:1e:274:LYS:HE2	1.99	0.45
2:1f:239:THR:HA	2:2a:247:LYS:O	2.17	0.45
2:1g:148[A]:ILE:HG23	2:3g:145:ARG:HG2	1.97	0.45
2:1h:73:VAL:HG12	2:1u:28:ILE:HG13	1.99	0.45
2:2Z:193:LYS:HD3	2:1l:202:SER:N	2.31	0.45
2:2Z:209:LEU:HD11	2:1l:222:LEU:CD2	2.47	0.45
2:2b:230:VAL:HA	2:3e:229:GLY:N	2.31	0.45
2:2c:222:LEU:HD23	2:3l:209:LEU:CD1	2.42	0.45
2:3g:196:LEU:HD22	2:2x:183:PHE:HZ	1.75	0.45
2:3g:198:GLN:O	2:2x:193:LYS:HE3	2.16	0.45
2:6h:279:ILE:HA	2:8j:248:GLY:O	2.17	0.45
2:7a:206:VAL:CG2	2:6v:209:LEU:O	2.55	0.45
2:7b:270:ILE:HG22	2:7b:274:LYS:HE2	1.99	0.45
2:7c:145:ARG:HD3	2:8j:149[A]:ILE:HA	1.98	0.45
2:8e:125:ILE:CG1	2:9F:120:ILE:HD11	2.28	0.45
2:8e:239:THR:C	2:9F:246:LYS:CD	2.84	0.45
2:8e:247:LYS:HB2	2:9O:237:ALA:HB3	1.90	0.45
2:8g:247:LYS:HB3	2:9G:239:THR:H	1.76	0.45
2:8h:163:THR:H	2:8h:166:ASN:ND2	2.09	0.45
2:8j:270:ILE:HG22	2:8j:274:LYS:HE2	1.99	0.45
2:9F:242:LEU:CB	2:9O:234:LEU:CG	2.94	0.45
2:1k:269:LEU:CB	2:3k:269:LEU:CD2	2.95	0.45
2:1l:110:LEU:HD12	2:1l:110:LEU:O	2.16	0.45
2:2g:77:LEU:HD12	2:2g:110:LEU:CD1	2.46	0.45
2:2g:244:GLY:O	2:3i:242:LEU:HD23	2.14	0.45
2:3l:179:ASN:ND2	2:3l:192:ASN:HD22	2.11	0.45
2:4h:73:VAL:CG1	2:3p:28:ILE:CB	2.94	0.45
2:5g:259:VAL:HG21	2:6k:259:VAL:H	1.78	0.45
2:5h:215:THR:H	2:5h:218:ASN:HD22	1.64	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:150:GLU:OE1	2:7l:141:PRO:HB2	2.17	0.45
2:6i:251:VAL:H	2:8o:279:ILE:HD12	1.82	0.45
2:6j:163:THR:H	2:6j:166:ASN:ND2	2.09	0.45
2:6j:201:VAL:HA	2:5j:197:GLN:NE2	2.32	0.45
2:6k:126:LYS:N	2:7e:120:ILE:O	2.47	0.45
2:6k:215:THR:H	2:6k:218:ASN:HD22	1.64	0.45
2:6k:270:ILE:HG22	2:6k:274:LYS:HE2	1.99	0.45
2:6l:120:ILE:HD13	2:7h:120:ILE:HG21	1.99	0.45
2:7h:77:LEU:HD12	2:7h:110:LEU:CD1	2.46	0.45
2:8k:215:THR:H	2:8k:218:ASN:HD22	1.64	0.45
2:8m:179:ASN:ND2	2:8m:192:ASN:HD22	2.11	0.45
2:1m:97:TYR:OH	2:1m:111:VAL:HB	2.15	0.45
2:1m:111:VAL:HG13	2:2j:57:MET:HE2	1.98	0.45
2:1m:242:LEU:HD23	2:1t:246:LYS:N	2.28	0.45
2:1p:76:ASN:ND2	2:1p:116:LYS:CG	2.80	0.45
2:2j:77:LEU:HD12	2:2j:110:LEU:CD1	2.47	0.45
2:2m:57:MET:CE	2:3t:61:ALA:HB1	2.45	0.45
2:2m:228:ALA:HA	2:3t:228:ALA:C	2.42	0.45
2:6p:263:VAL:HG21	2:8v:256:ALA:O	2.17	0.45
2:6p:279:ILE:HA	2:8v:248:GLY:O	2.17	0.45
2:7m:193:LYS:HE3	2:8v:199:LEU:O	2.16	0.45
2:8q:225:MET:CE	2:9H:212:GLY:C	2.80	0.45
2:8q:274:LYS:NZ	2:9H:251:VAL:HG22	2.32	0.45
2:8s:97:TYR:OH	2:8s:111:VAL:HB	2.15	0.45
2:8s:223:ARG:NH1	2:9I:227:GLY:C	2.69	0.45
2:1q:229:GLY:N	2:2o:229:GLY:N	2.65	0.45
2:1s:228:ALA:C	2:3s:231:PRO:CG	2.87	0.45
2:2o:209:LEU:HD11	2:1x:222:LEU:CD2	2.46	0.45
2:2p:57:MET:CE	2:3r:111:VAL:HG13	2.46	0.45
2:2p:226:ILE:CD1	2:3r:222:LEU:C	2.88	0.45
2:2p:270:ILE:HG22	2:2p:274:LYS:HE2	1.99	0.45
2:2q:77:LEU:HD12	2:2q:110:LEU:CD1	2.46	0.45
2:3s:76:ASN:ND2	2:3s:116:LYS:CG	2.80	0.45
2:5k:175:PHE:CD1	2:6s:171:GLN:NE2	2.84	0.45
2:6q:183:PHE:CE2	2:9K:183:PHE:CE2	3.05	0.45
2:6r:97:TYR:OH	2:6r:111:VAL:HB	2.15	0.45
2:6s:62:ALA:HA	2:6s:112:ILE:HD12	1.97	0.45
2:6s:215:THR:H	2:6s:218:ASN:HD22	1.64	0.45
2:6t:279:ILE:HA	2:9L:248:GLY:O	2.17	0.45
2:7s:19:LEU:N	2:7s:41:TYR:O	2.46	0.45
2:7s:242:LEU:HD13	2:8x:234:LEU:CD2	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:270:ILE:HG22	2:8w:274:LYS:HE2	1.99	0.45
2:8y:279:ILE:HD13	2:9M:251:VAL:CG1	2.39	0.45
2:8z:76:ASN:ND2	2:8z:116:LYS:CG	2.80	0.45
2:9L:163:THR:H	2:9L:166:ASN:ND2	2.09	0.45
2:1v:76:ASN:ND2	2:1v:116:LYS:CG	2.80	0.45
2:1v:200:LEU:HD13	2:3v:200:LEU:HD13	1.98	0.45
2:1w:38:ILE:HD11	2:1w:114:ARG:CZ	2.34	0.45
2:1w:270:ILE:HG23	2:3w:251:VAL:CG1	2.47	0.45
2:2t:163:THR:H	2:2t:166:ASN:ND2	2.09	0.45
2:2u:222:LEU:HD23	2:3v:209:LEU:HD11	1.98	0.45
2:2v:19:LEU:N	2:2v:41:TYR:O	2.46	0.45
2:3u:148[B]:ILE:CD1	2:4m:148[B]:ILE:CD1	2.94	0.45
2:3u:215:THR:H	2:3u:218:ASN:HD22	1.64	0.45
2:4n:76:ASN:ND2	2:4n:116:LYS:CG	2.80	0.45
2:4n:270:ILE:HG22	2:4n:274:LYS:HE2	1.99	0.45
2:6u:270:ILE:HG22	2:6u:274:LYS:HE2	1.99	0.45
2:9O:97:TYR:OH	2:9O:111:VAL:HB	2.15	0.45
2:9O:270:ILE:HG22	2:9O:274:LYS:HE2	1.99	0.45
2:9Q:97:TYR:OH	2:9Q:111:VAL:HB	2.15	0.45
1:1A:36:VAL:HB	1:1A:37:PRO:HD3	1.99	0.45
1:2D:314:ASN:OD1	1:2D:314:ASN:C	2.59	0.45
1:3A:428:LEU:HD12	1:3A:428:LEU:C	2.42	0.45
1:3C:408:GLU:CG	1:3C:437:ILE:HD11	2.47	0.45
1:4B:380:ASP:OD1	1:4B:380:ASP:C	2.57	0.45
1:4F:6:ASN:C	1:4F:6:ASN:OD1	2.58	0.45
1:5C:286:ALA:HA	1:5D:31:ASN:HB3	1.99	0.45
1:5F:439:PRO:O	1:5F:440:ASN:CB	2.64	0.45
1:6A:446:ALA:O	2:6h:56:ASN:N	2.43	0.45
1:6C:406:GLY:O	1:6C:407:ASN:HB3	2.17	0.45
1:8A:110:TYR:OH	1:8Y:145:GLN:NE2	2.50	0.45
1:8D:445:GLY:HA2	2:8i:45:LYS:H	1.81	0.45
1:1H:81:ASN:OD1	1:1H:81:ASN:C	2.60	0.45
1:2H:30:ASP:OD1	1:2H:30:ASP:C	2.59	0.45
1:3G:19:ASP:OD1	1:3G:19:ASP:C	2.59	0.45
1:4L:448:ALA:CB	2:4h:41:TYR:HD1	1.82	0.45
1:5I:286:ALA:HA	1:5J:31:ASN:HB3	1.99	0.45
1:6J:54:ASN:OD1	1:6J:54:ASN:C	2.60	0.45
1:7F:428:LEU:HD23	1:7F:428:LEU:H	1.79	0.45
1:2M:448:ALA:CB	2:2k:41:TYR:HA	2.47	0.45
1:3N:423:GLU:H	1:3N:423:GLU:CD	2.21	0.45
1:3R:447:GLN:NE2	2:3m:56:ASN:O	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4M:18:TYR:CD1	1:4M:18:TYR:O	2.69	0.45
1:4Q:200:ILE:HD13	1:4Q:341:PHE:HB3	1.98	0.45
1:4R:95:ARG:O	1:4R:96:THR:CB	2.64	0.45
1:4R:406:GLY:HA3	2:4j:44:VAL:O	2.17	0.45
1:5R:317:GLY:O	1:5R:318:LEU:HB2	2.16	0.45
1:6M:111:ASP:OD1	1:6M:111:ASP:C	2.60	0.45
1:6Q:30:ASP:OD1	1:6Q:30:ASP:C	2.60	0.45
1:8M:145:GLN:NE2	1:8S:110:TYR:OH	2.49	0.45
1:8N:356:PRO:O	1:8N:357:ASN:HB2	2.17	0.45
1:8Q:82:PRO:O	1:8Q:83:LEU:CB	2.65	0.45
1:1S:420:ILE:HB	1:1S:427:LYS:HB3	1.99	0.45
1:1T:241:ARG:HD2	1:1T:241:ARG:C	2.42	0.45
1:2S:448:ALA:HB2	2:2o:41:TYR:CD1	2.52	0.45
1:3T:226:LEU:HA	1:3T:227:PRO:HD3	1.87	0.45
1:3V:423:GLU:OE1	1:3V:423:GLU:N	2.35	0.45
1:4W:118:LYS:O	1:4W:120:PHE:N	2.49	0.45
1:4X:419:ASP:OD1	1:4X:419:ASP:C	2.60	0.45
1:5T:154:VAL:O	1:5T:155:SER:CB	2.64	0.45
1:5W:447:GLN:HB2	2:5k:42:VAL:CG1	2.46	0.45
1:5X:32:PHE:N	1:5X:32:PHE:CD1	2.83	0.45
1:7S:447:GLN:HG3	2:7o:44:VAL:CG1	2.47	0.45
1:9D:355:SER:CB	1:9D:356:PRO:HD3	2.47	0.45
1:9D:403:SER:HB3	2:9I:16:TYR:OH	2.16	0.45
1:1Y:446:ALA:CA	2:1u:42:VAL:O	2.52	0.45
1:1a:111:ASP:OD1	1:1a:111:ASP:C	2.59	0.45
1:2Y:412:LEU:HB2	1:2Y:435:VAL:HB	1.98	0.45
1:3c:200:ILE:HG22	1:3c:216:LYS:CD	2.47	0.45
1:4Y:18:TYR:HD1	1:4Y:18:TYR:O	1.99	0.45
1:4Y:36:VAL:N	1:4Y:37:PRO:HD2	2.31	0.45
1:4c:21:VAL:O	1:4c:25:ARG:N	2.49	0.45
1:4c:103:ASP:OD1	1:4c:103:ASP:C	2.60	0.45
1:6b:54:ASN:OD1	1:6b:54:ASN:C	2.60	0.45
1:6b:232:ASP:OD1	1:6b:232:ASP:C	2.59	0.45
1:6d:355:SER:CB	1:6d:356:PRO:HD3	2.47	0.45
1:7W:392:THR:OG1	2:7u:46:ASP:CG	2.59	0.45
1:7W:444:GLY:CA	2:7u:45:LYS:HZ2	2.30	0.45
2:1e:244:GLY:CA	2:2Z:242:LEU:HA	2.47	0.45
2:1g:97:TYR:OH	2:1g:111:VAL:HB	2.15	0.45
2:1g:129:GLY:HA3	2:3g:138:ILE:C	2.41	0.45
2:1g:177:ASP:CG	2:3g:186:ALA:CB	2.90	0.45
2:2c:206:VAL:CG2	2:3l:209:LEU:O	2.64	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:77:LEU:HD12	2:2d:110:LEU:CD1	2.46	0.45
2:5e:99:VAL:HB	2:7Z:5:PHE:CD1	2.51	0.45
2:5e:215:THR:H	2:5e:218:ASN:HD22	1.63	0.45
2:6e:183:PHE:CE2	2:8i:183:PHE:CE2	3.05	0.45
2:6f:197:GLN:HG3	2:7f:200:LEU:O	2.16	0.45
2:6f:200:LEU:CD1	2:7f:200:LEU:CD1	2.93	0.45
2:6f:226:ILE:HG13	2:5h:223:ARG:HG2	1.99	0.45
2:6g:76:ASN:ND2	2:6g:116:LYS:CG	2.80	0.45
2:6g:226:ILE:CD1	2:7Z:222:LEU:HB3	2.47	0.45
2:6h:120:ILE:HD13	2:7c:120:ILE:HG21	1.99	0.45
2:6h:158[A]:ILE:HD11	2:8j:158[A]:ILE:HG12	1.97	0.45
2:7a:19:LEU:N	2:7a:41:TYR:O	2.46	0.45
2:7a:232:TYR:CD1	2:6v:232:TYR:CD2	3.05	0.45
2:7b:57:MET:HE2	2:9Q:111:VAL:HG13	1.97	0.45
2:7b:77:LEU:HD12	2:7b:110:LEU:CD1	2.46	0.45
2:7b:120:ILE:HG13	2:6u:125:ILE:HA	1.99	0.45
2:7c:215:THR:H	2:7c:218:ASN:HD22	1.64	0.45
2:8e:145:ARG:CG	2:9O:148[A]:ILE:CG2	2.93	0.45
2:8e:150:GLU:CG	2:9F:141:PRO:CB	2.92	0.45
2:8e:158[A]:ILE:HD11	2:9F:158[A]:ILE:HD11	1.99	0.45
2:8h:239:THR:HA	2:7i:247:LYS:N	2.31	0.45
2:8i:270:ILE:HG22	2:8i:274:LYS:HE2	1.99	0.45
2:9F:226:ILE:C	2:9O:223:ARG:CG	2.80	0.45
2:1k:180:VAL:HG11	2:3k:184:LEU:O	2.17	0.45
2:2f:226:ILE:CD1	2:3j:222:LEU:C	2.88	0.45
2:2g:57:MET:CE	2:4g:111:VAL:HG13	2.47	0.45
2:2i:219:LYS:HE2	2:3o:226:ILE:C	2.41	0.45
2:3k:270:ILE:HG22	2:3k:274:LYS:HE2	1.99	0.45
2:5g:120:ILE:HD12	2:6k:120:ILE:HD13	1.94	0.45
2:5h:59:PRO:HD3	2:7f:61:ALA:HB2	1.98	0.45
2:6i:183:PHE:CE2	2:8o:183:PHE:CE2	3.05	0.45
2:6i:254:SER:OG	2:8o:266:LEU:HD23	2.12	0.45
2:6l:259:VAL:HG22	2:7h:259:VAL:CG2	2.45	0.45
2:6l:263:VAL:HG21	2:8p:256:ALA:O	2.17	0.45
2:7h:162:THR:OG1	2:8p:173:LEU:O	2.28	0.45
2:7i:23:GLN:HG3	2:8l:73:VAL:O	2.16	0.45
2:8k:274:LYS:NZ	2:9G:251:VAL:HG22	2.32	0.45
2:8m:247:LYS:HG2	2:9H:239:THR:CG2	2.40	0.45
2:8n:163:THR:H	2:8n:166:ASN:ND2	2.09	0.45
2:8p:76:ASN:ND2	2:8p:116:LYS:CG	2.80	0.45
2:1m:229:GLY:N	2:2j:229:GLY:N	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:247:LYS:CD	2:3n:239:THR:N	2.80	0.45
2:1o:270:ILE:HG23	2:3o:251:VAL:CG1	2.47	0.45
2:2k:228:ALA:HA	2:3n:223:ARG:HD2	1.36	0.45
2:2m:77:LEU:HD12	2:2m:110:LEU:CD1	2.47	0.45
2:3m:76:ASN:ND2	2:3m:116:LYS:CG	2.80	0.45
2:3o:270:ILE:HG22	2:3o:274:LYS:HE2	1.99	0.45
2:7j:77:LEU:HD12	2:7j:110:LEU:CD1	2.47	0.45
2:7m:270:ILE:HG22	2:7m:274:LYS:HE2	1.99	0.45
2:7n:23:GLN:HG3	2:8r:73:VAL:O	2.16	0.45
2:8s:245:VAL:O	2:9l:241:THR:O	2.35	0.45
2:8t:225:MET:CG	2:7s:209:LEU:HD12	2.46	0.45
2:8u:111:VAL:HG13	2:7q:57:MET:HE2	1.97	0.45
2:2q:230:VAL:HA	2:3q:229:GLY:N	2.31	0.45
2:2r:23:GLN:HG3	2:3x:73:VAL:O	2.16	0.45
2:2r:148[B]:ILE:HD13	2:4l:148[B]:ILE:HD13	1.98	0.45
2:6q:150:GLU:OE1	2:7v:141:PRO:HB2	2.17	0.45
2:6q:246:LYS:CE	2:9K:242:LEU:HG	2.47	0.45
2:6r:122:VAL:N	2:7u:127:ASP:OD1	2.41	0.45
2:6r:197:GLN:HG3	2:7u:200:LEU:O	2.16	0.45
2:6r:234:LEU:HD21	2:7u:243:GLY:CA	2.47	0.45
2:6s:76:ASN:ND2	2:6s:116:LYS:CG	2.80	0.45
2:7p:77:LEU:HD12	2:7p:110:LEU:CD1	2.46	0.45
2:7p:215:THR:H	2:7p:218:ASN:HD22	1.64	0.45
2:7r:270:ILE:HG22	2:7r:274:LYS:HE2	1.99	0.45
2:8y:148[A]:ILE:HG23	2:9M:145:ARG:HG2	1.98	0.45
2:8y:267:ASN:OD1	2:9M:253:ALA:CB	2.63	0.45
2:9I:77:LEU:HD12	2:9I:110:LEU:CD1	2.47	0.45
2:1w:273:LEU:CD2	2:3w:273:LEU:HD21	2.42	0.45
2:2x:270:ILE:HG22	2:2x:274:LYS:HE2	1.99	0.45
2:3w:62:ALA:HA	2:3w:112:ILE:HD12	1.98	0.45
2:6u:247:LYS:CE	2:9Q:277:GLY:HA2	2.46	0.45
2:6w:41:TYR:CZ	2:6w:57:MET:SD	3.08	0.45
2:6x:251:VAL:HG11	2:7w:279:ILE:HD12	1.98	0.45
2:6x:278:ILE:O	2:9R:248:GLY:N	2.38	0.45
2:7v:270:ILE:HG22	2:7v:274:LYS:HE2	1.99	0.45
2:9M:126:LYS:C	2:9M:126:LYS:CD	2.85	0.45
2:9M:239:THR:C	2:9J:246:LYS:CD	2.84	0.45
2:9N:270:ILE:HG22	2:9N:274:LYS:HE2	1.99	0.45
1:2A:19:ASP:OD1	1:2A:19:ASP:C	2.58	0.45
1:2C:36:VAL:N	1:2C:37:PRO:HD2	2.31	0.45
1:4D:142:GLN:NE2	1:4D:142:GLN:HA	2.31	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4F:275:PHE:CD1	1:4F:275:PHE:C	2.95	0.45
1:5D:61:PHE:CD1	1:5D:61:PHE:C	2.92	0.45
1:7B:30:ASP:OD1	1:7B:30:ASP:C	2.58	0.45
1:8A:95:ARG:O	1:8A:96:THR:HB	2.17	0.45
1:1G:289:GLY:O	1:1G:343:SER:N	2.48	0.45
1:1I:205:SER:OG	1:1I:206:SER:N	2.49	0.45
1:1K:18:TYR:O	1:1K:18:TYR:CG	2.70	0.45
1:2J:412:LEU:HB2	1:2J:435:VAL:HB	1.98	0.45
1:5K:199:LYS:HG3	1:5K:199:LYS:O	2.16	0.45
1:5K:314:ASN:OD1	1:5K:314:ASN:C	2.58	0.45
1:5K:355:SER:HB3	1:5K:356:PRO:HD3	1.99	0.45
1:5L:101:TYR:CD2	1:5L:101:TYR:C	2.94	0.45
1:5L:439:PRO:O	1:5L:440:ASN:CB	2.64	0.45
1:5L:448:ALA:CA	2:5h:41:TYR:CD1	2.88	0.45
1:6J:227:PRO:HG2	1:6K:82:PRO:HG3	1.99	0.45
1:6J:230:SER:HG	1:6J:233:TRP:CD1	2.35	0.45
1:6L:36:VAL:N	1:6L:37:PRO:CD	2.80	0.45
1:8K:82:PRO:O	1:8K:83:LEU:CB	2.65	0.45
1:5Q:36:VAL:N	1:5Q:37:PRO:HD2	2.32	0.45
1:6M:355:SER:HB3	1:6M:356:PRO:HD3	1.98	0.45
1:1S:313:ARG:HA	1:1S:320:TRP:HA	1.98	0.45
1:1S:446:ALA:C	2:1q:42:VAL:O	2.58	0.45
1:2R:6:ASN:OD1	1:2R:6:ASN:C	2.59	0.45
1:2S:227:PRO:O	1:2S:228:GLN:CB	2.65	0.45
1:3U:438:ARG:HH11	1:3U:438:ARG:CG	2.28	0.45
1:3V:63:THR:O	1:3V:63:THR:CG2	2.59	0.45
1:4S:18:TYR:CD1	1:4S:18:TYR:O	2.69	0.45
1:5X:265:ALA:O	1:5X:266:LYS:CB	2.65	0.45
1:7S:403:SER:OG	2:7o:16:TYR:CZ	2.52	0.45
1:3Y:428:LEU:HD12	1:3Y:428:LEU:C	2.42	0.45
1:3c:286:ALA:HA	1:3d:31:ASN:HB3	1.99	0.45
1:3d:355:SER:HB3	1:3d:356:PRO:CD	2.46	0.45
1:5a:145:GLN:HG2	1:5a:319:TYR:HB3	1.99	0.45
1:5d:317:GLY:O	1:5d:318:LEU:HB2	2.16	0.45
1:5d:439:PRO:O	1:5d:440:ASN:CB	2.64	0.45
1:7W:382:LYS:NZ	2:7u:101:GLU:OE1	2.49	0.45
1:8Y:30:ASP:OD1	1:8Y:30:ASP:C	2.57	0.45
1:8b:36:VAL:N	1:8b:37:PRO:CD	2.79	0.45
1:8c:82:PRO:O	1:8c:83:LEU:HB2	2.16	0.45
1:8c:445:GLY:N	2:9P:44:VAL:CG2	2.79	0.45
1:9E:355:SER:CB	1:9E:356:PRO:HD3	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1h:110:LEU:HD12	2:1h:110:LEU:O	2.16	0.45
2:2b:228:ALA:C	2:4e:229:GLY:O	2.57	0.45
2:2c:125:ILE:HA	2:3l:120:ILE:O	2.17	0.45
2:2d:193:LYS:HE3	2:3k:198:GLN:O	2.16	0.45
2:3g:120:ILE:HD13	2:2x:120:ILE:CD1	2.47	0.45
2:3g:132:GLY:HA3	2:2x:136:LEU:C	2.42	0.45
2:3h:209:LEU:CD1	2:2w:222:LEU:HD23	2.42	0.45
2:3h:234:LEU:HD11	2:2w:242:LEU:C	2.43	0.45
2:5f:28:ILE:HG13	2:7a:73:VAL:HG12	1.99	0.45
2:6h:251:VAL:HG11	2:7c:279:ILE:HD12	1.98	0.45
2:7c:77:LEU:HD12	2:7c:110:LEU:CD1	2.47	0.45
2:7c:193:LYS:HE3	2:8j:199:LEU:O	2.16	0.45
2:7d:26:ASP:O	2:8f:73:VAL:HG21	2.17	0.45
2:8e:206:VAL:HG11	2:9F:210:LEU:CA	2.47	0.45
2:8h:239:THR:N	2:7i:247:LYS:HB2	2.32	0.45
2:1i:28:ILE:HG13	2:1p:73:VAL:HG12	1.99	0.45
2:1j:236:ALA:HA	2:3j:242:LEU:HD11	1.99	0.45
2:1j:247:LYS:CD	2:3j:239:THR:N	2.80	0.45
2:1l:270:ILE:HG22	2:1l:274:LYS:HE2	1.99	0.45
2:2f:19:LEU:N	2:2f:41:TYR:O	2.46	0.45
2:2g:270:ILE:HG22	2:2g:274:LYS:HE2	1.99	0.45
2:2h:77:LEU:HD12	2:2h:110:LEU:CD1	2.46	0.45
2:2h:125:ILE:HA	2:3p:120:ILE:O	2.16	0.45
2:2h:242:LEU:C	2:3p:234:LEU:HD11	2.42	0.45
2:2i:129:GLY:N	2:1o:136:LEU:O	2.44	0.45
2:3j:270:ILE:HG22	2:3j:274:LYS:HE2	1.99	0.45
2:3k:62:ALA:HA	2:3k:112:ILE:HD12	1.98	0.45
2:6i:125:ILE:HA	2:7l:120:ILE:HG13	1.99	0.45
2:6j:226:ILE:HG13	2:5j:223:ARG:HG2	1.99	0.45
2:6l:270:ILE:HG22	2:6l:274:LYS:HE2	1.99	0.45
2:7f:215:THR:H	2:7f:218:ASN:HD22	1.64	0.45
2:7g:215:THR:H	2:7g:218:ASN:HD22	1.64	0.45
2:7h:145:ARG:HD3	2:8p:149[A]:ILE:HA	1.99	0.45
2:7h:215:THR:H	2:7h:218:ASN:HD22	1.64	0.45
2:7i:270:ILE:HG22	2:7i:274:LYS:HE2	1.99	0.45
2:8k:196:LEU:CD2	2:9G:183:PHE:CZ	2.77	0.45
2:8n:270:ILE:HG22	2:8n:274:LYS:HE2	1.99	0.45
2:8o:97:TYR:OH	2:8o:111:VAL:HB	2.15	0.45
2:1n:114:ARG:HB2	2:2k:114:ARG:HD2	1.99	0.45
2:1o:270:ILE:HG22	2:1o:274:LYS:HE2	1.99	0.45
2:2l:57:MET:CE	2:4i:111:VAL:HG13	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2n:154:ALA:HB1	2:1s:158[B]:ILE:CD1	2.47	0.45
2:3o:76:ASN:ND2	2:3o:116:LYS:CG	2.80	0.45
2:4i:163:THR:H	2:4i:166:ASN:ND2	2.09	0.45
2:5i:154:ALA:CB	2:6o:158[A]:ILE:HA	2.47	0.45
2:6n:226:ILE:HG13	2:5l:223:ARG:HG2	1.99	0.45
2:6o:126:LYS:C	2:6o:126:LYS:CD	2.85	0.45
2:8q:76:ASN:ND2	2:8q:116:LYS:CG	2.80	0.45
2:8q:150:GLU:OE1	2:9H:145:ARG:NH1	2.43	0.45
2:8q:226:ILE:HB	2:9H:219:LYS:HG2	1.94	0.45
2:8s:267:ASN:CG	2:8w:254:SER:O	2.59	0.45
2:1r:242:LEU:HD22	2:2p:244:GLY:CA	2.44	0.45
2:1r:270:ILE:HG22	2:1r:274:LYS:HE2	1.99	0.45
2:1s:132:GLY:CA	2:3s:135:LEU:O	2.65	0.45
2:1s:270:ILE:HG22	2:1s:274:LYS:HE2	1.99	0.45
2:1s:273:LEU:CD2	2:3s:273:LEU:HD21	2.43	0.45
2:2o:222:LEU:HB2	2:1x:226:ILE:CG2	2.47	0.45
2:2o:270:ILE:HG22	2:2o:274:LYS:HE2	1.99	0.45
2:2p:280:SER:OG	2:3r:247:LYS:HG2	2.16	0.45
2:2q:197:GLN:CG	2:3q:200:LEU:O	2.63	0.45
2:2q:209:LEU:HD11	2:3q:222:LEU:HD23	1.97	0.45
2:2r:160:GLY:HA2	2:4l:173:LEU:HD13	1.98	0.45
2:2r:206:VAL:CG2	2:3x:209:LEU:O	2.64	0.45
2:2s:270:ILE:HG22	2:2s:274:LYS:HE2	1.99	0.45
2:3q:62:ALA:HA	2:3q:112:ILE:HD12	1.97	0.45
2:6q:252:THR:O	2:9K:270:ILE:HD12	2.07	0.45
2:6r:201:VAL:HA	2:5n:197:GLN:NE2	2.32	0.45
2:6s:174:LEU:HD22	2:7o:174:LEU:HD11	1.98	0.45
2:7o:270:ILE:HG22	2:7o:274:LYS:HE2	1.99	0.45
2:8w:201:VAL:H	2:9l:193:LYS:CE	2.28	0.45
2:1u:247:LYS:O	2:2t:239:THR:CG2	2.64	0.45
2:2w:120:ILE:CD1	2:4n:120:ILE:HD13	2.47	0.45
2:4m:41:TYR:CD2	2:4m:57:MET:HE1	2.48	0.45
2:5m:179:ASN:ND2	2:5m:192:ASN:HD22	2.11	0.45
2:6x:279:ILE:HA	2:9R:248:GLY:O	2.17	0.45
2:7w:77:LEU:HD12	2:7w:110:LEU:CD1	2.47	0.45
2:7w:179:ASN:ND2	2:7w:192:ASN:HD22	2.11	0.45
2:9Q:270:ILE:HG22	2:9Q:274:LYS:HE2	1.99	0.45
1:1A:420:ILE:HB	1:1A:427:LYS:HB3	1.99	0.44
1:1E:18:TYR:CD1	1:1E:18:TYR:O	2.70	0.44
1:3F:411:GLN:O	1:3F:411:GLN:HG2	2.16	0.44
1:5E:201:ASP:OD2	1:5E:343:SER:HB2	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5E:250:ILE:O	1:5E:251:ILE:HB	2.17	0.44
1:6D:252:ASP:O	1:6D:253:ALA:HB3	2.17	0.44
1:6F:330:LEU:HD23	1:6F:330:LEU:N	2.32	0.44
1:7B:19:ASP:OD2	1:7B:19:ASP:C	2.61	0.44
1:8B:36:VAL:N	1:8B:37:PRO:CD	2.80	0.44
1:8C:226:LEU:HA	1:8C:227:PRO:HD3	1.85	0.44
1:8E:82:PRO:O	1:8E:83:LEU:HB2	2.16	0.44
1:1G:36:VAL:HB	1:1G:37:PRO:HD3	1.99	0.44
1:1G:447:GLN:HG3	2:1i:44:VAL:HG21	1.98	0.44
1:1K:18:TYR:O	1:1K:18:TYR:CD1	2.71	0.44
1:2H:382:LYS:NZ	2:2f:103:GLN:NE2	2.65	0.44
1:2I:227:PRO:O	1:2I:228:GLN:CB	2.65	0.44
1:3I:201:ASP:OD2	1:3I:212:GLU:HG3	2.16	0.44
1:4H:30:ASP:OD1	1:4H:30:ASP:C	2.60	0.44
1:4K:21:VAL:O	1:4K:25:ARG:N	2.50	0.44
1:5G:30:ASP:OD1	1:5G:30:ASP:C	2.60	0.44
1:6H:245:GLU:OE1	1:6H:245:GLU:N	2.38	0.44
1:8L:445:GLY:HA2	2:8m:45:LYS:HB2	1.99	0.44
1:1O:447:GLN:CG	2:1o:60:LEU:HD12	2.46	0.44
1:2O:412:LEU:HB2	1:2O:435:VAL:HB	1.98	0.44
1:3M:4:THR:O	1:3M:5:PHE:HB2	2.18	0.44
1:3Q:355:SER:HB2	1:3Q:356:PRO:HD2	1.97	0.44
1:4R:447:GLN:HB2	2:4j:42:VAL:HB	1.99	0.44
1:6P:232:ASP:OD1	1:6P:232:ASP:C	2.59	0.44
1:7M:26:ASN:CG	2:8n:52:LEU:HG	2.42	0.44
1:8N:205:SER:OG	1:8N:206:SER:N	2.50	0.44
1:9C:397:THR:OG1	1:9C:399:ASP:OD1	2.29	0.44
1:2T:412:LEU:HB2	1:2T:435:VAL:HB	1.98	0.44
1:4S:18:TYR:O	1:4S:18:TYR:HD1	1.99	0.44
1:4X:20:ILE:O	1:4X:21:VAL:HB	2.17	0.44
1:5S:227:PRO:HA	1:5S:241:ARG:HD3	1.99	0.44
1:5X:439:PRO:O	1:5X:440:ASN:CB	2.64	0.44
1:7P:36:VAL:N	1:7P:37:PRO:HD2	2.32	0.44
1:7R:406:GLY:HA3	2:7p:45:LYS:HB2	1.98	0.44
1:8S:447:GLN:HG2	2:8w:44:VAL:CG1	2.47	0.44
1:1a:392:THR:CG2	2:1w:107:LEU:HG	2.45	0.44
1:3Z:388:GLU:HA	1:3Z:388:GLU:OE1	2.18	0.44
1:3b:151:THR:OG1	1:3b:152:ALA:N	2.50	0.44
1:3d:111:ASP:OD1	1:3d:111:ASP:C	2.58	0.44
1:4Y:18:TYR:CD1	1:4Y:18:TYR:O	2.69	0.44
1:4Y:407:ASN:OD1	1:4Y:407:ASN:C	2.59	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5Y:227:PRO:HA	1:5Y:241:ARG:HD3	1.99	0.44
1:5c:201:ASP:HB3	1:5c:343:SER:HA	1.95	0.44
1:5c:440:ASN:OD1	1:5c:440:ASN:C	2.58	0.44
1:6Y:447:GLN:CG	2:6x:60:LEU:HD11	2.47	0.44
1:6a:406:GLY:O	1:6a:407:ASN:HB3	2.17	0.44
1:7V:384:VAL:CG1	2:7v:106:GLN:NE2	2.80	0.44
1:8Y:95:ARG:O	1:8Y:96:THR:HB	2.17	0.44
2:1f:242:LEU:HD13	2:2a:235:PRO:C	2.41	0.44
2:1f:270:ILE:HG22	2:1f:274:LYS:HE2	1.99	0.44
2:1g:158[B]:ILE:CD1	2:2x:154:ALA:HB1	2.47	0.44
2:2b:239:THR:HG22	2:4e:247:LYS:C	2.37	0.44
2:2b:269:LEU:HD22	2:3e:270:ILE:CD1	2.46	0.44
2:2d:119:SER:HB3	2:3k:126:LYS:HB2	1.98	0.44
2:2d:136:LEU:C	2:3k:132:GLY:HA3	2.42	0.44
2:2d:214:PRO:HD2	2:3k:225:MET:HG3	1.99	0.44
2:3e:76:ASN:ND2	2:3e:116:LYS:CG	2.80	0.44
2:3h:228:ALA:C	2:2w:228:ALA:HA	2.42	0.44
2:5f:239:THR:HG22	2:7a:247:LYS:C	2.42	0.44
2:5f:247:LYS:CB	2:6v:239:THR:CG2	2.91	0.44
2:6e:62:ALA:HA	2:6e:112:ILE:HD12	1.97	0.44
2:6e:270:ILE:HG22	2:6e:274:LYS:HE2	1.99	0.44
2:6f:215:THR:H	2:6f:218:ASN:HD22	1.63	0.44
2:8e:183:PHE:CG	2:9F:183:PHE:HE2	2.28	0.44
2:8e:279:ILE:HG23	2:9F:278:ILE:HD12	1.99	0.44
2:8f:242:LEU:HD23	2:9P:246:LYS:HG2	1.99	0.44
2:8g:179:ASN:ND2	2:8g:192:ASN:HD22	2.11	0.44
2:8g:184:LEU:HD23	2:9G:180:VAL:HG11	1.98	0.44
2:8g:259:VAL:CG2	2:8k:258:ASP:HA	2.47	0.44
2:9F:175:PHE:CZ	2:9O:175:PHE:HZ	2.34	0.44
2:9F:215:THR:H	2:9F:218:ASN:HD22	1.64	0.44
2:9F:240:THR:HA	2:9O:246:LYS:CG	2.47	0.44
2:9F:240:THR:O	2:9O:246:LYS:CE	2.45	0.44
2:9F:241:THR:O	2:9O:245:VAL:O	2.35	0.44
2:1j:76:ASN:ND2	2:1j:116:LYS:CG	2.80	0.44
2:1j:238:THR:C	2:2f:247:LYS:CB	2.90	0.44
2:1k:270:ILE:HG23	2:3k:251:VAL:CG1	2.47	0.44
2:1k:273:LEU:CD1	2:3k:273:LEU:CD1	2.84	0.44
2:2e:232:TYR:CD2	2:1p:232:TYR:CE2	2.99	0.44
2:2f:226:ILE:CG2	2:3j:222:LEU:HD13	2.42	0.44
2:2i:262:ALA:CB	2:3o:263:VAL:HG23	2.41	0.44
2:2i:270:ILE:HG22	2:2i:274:LYS:HE2	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:280:SER:O	2:1o:250:ALA:HA	2.17	0.44
2:3i:76:ASN:ND2	2:3i:116:LYS:CG	2.80	0.44
2:4h:215:THR:H	2:4h:218:ASN:HD22	1.64	0.44
2:6i:139:ASN:OD1	2:8o:130:ASP:N	2.37	0.44
2:7i:242:LEU:HD13	2:8l:234:LEU:CD2	2.47	0.44
2:8k:184:LEU:CD2	2:9G:184:LEU:CD2	2.80	0.44
2:8l:270:ILE:HG22	2:8l:274:LYS:HE2	1.99	0.44
2:8p:270:ILE:HG22	2:8p:274:LYS:HE2	1.99	0.44
2:9G:215:THR:H	2:9G:218:ASN:HD22	1.64	0.44
2:1n:76:ASN:ND2	2:1n:116:LYS:CG	2.80	0.44
2:2k:222:LEU:HD23	2:3n:209:LEU:HD11	1.98	0.44
2:2l:200:LEU:CD2	2:4i:200:LEU:HD11	2.48	0.44
2:2n:136:LEU:HA	2:3s:132:GLY:HA3	1.99	0.44
2:5j:239:THR:HG22	2:7k:247:LYS:C	2.42	0.44
2:6m:125:ILE:HA	2:7q:120:ILE:HG13	1.99	0.44
2:6m:183:PHE:CE2	2:8u:183:PHE:CE2	3.05	0.44
2:6n:239:THR:CA	2:5l:247:LYS:CA	2.93	0.44
2:6n:270:ILE:HG22	2:6n:274:LYS:HE2	1.99	0.44
2:8q:183:PHE:CD1	2:9H:183:PHE:CZ	3.05	0.44
2:8q:215:THR:H	2:8q:218:ASN:HD22	1.64	0.44
2:8q:270:ILE:HG22	2:8q:274:LYS:HE2	1.99	0.44
2:8q:280:SER:C	2:9H:250:ALA:HA	2.42	0.44
2:8r:270:ILE:HG22	2:8r:274:LYS:HE2	1.99	0.44
2:8v:76:ASN:ND2	2:8v:116:LYS:CG	2.80	0.44
2:1r:238:THR:C	2:2p:247:LYS:CB	2.90	0.44
2:2p:215:THR:H	2:2p:218:ASN:HD22	1.64	0.44
2:2p:227:GLY:O	2:3r:230:VAL:CG1	2.57	0.44
2:2s:77:LEU:HD12	2:2s:110:LEU:CD1	2.46	0.44
2:2s:120:ILE:CD1	2:3w:120:ILE:HD13	2.47	0.44
2:2s:136:LEU:C	2:3w:132:GLY:HA3	2.42	0.44
2:3q:148[B]:ILE:CD1	2:4k:148[B]:ILE:CD1	2.94	0.44
2:5k:154:ALA:CB	2:6s:158[A]:ILE:HA	2.47	0.44
2:6t:270:ILE:HG22	2:6t:274:LYS:HE2	1.99	0.44
2:7r:77:LEU:HD12	2:7r:110:LEU:CD1	2.47	0.44
2:7r:145:ARG:HD3	2:9L:149[A]:ILE:HA	1.99	0.44
2:8w:76:ASN:ND2	2:8w:116:LYS:CG	2.80	0.44
2:8w:131:THR:HB	2:9I:138:ILE:HG23	1.98	0.44
2:9K:61:ALA:CB	2:7v:57:MET:HB3	2.33	0.44
2:1x:215:THR:H	2:1x:218:ASN:HD22	1.64	0.44
2:2w:170:LEU:HD13	2:4n:174:LEU:HD23	1.99	0.44
2:3u:245:VAL:HG22	2:4m:245:VAL:HG13	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5n:59:PRO:HD3	2:7u:61:ALA:HB2	1.98	0.44
2:6u:145:ARG:CG	2:9Q:148[A]:ILE:HG23	2.47	0.44
2:6u:246:LYS:CE	2:9Q:242:LEU:HG	2.47	0.44
2:6u:269:LEU:CD1	2:9Q:273:LEU:CD1	2.91	0.44
2:6w:76:ASN:ND2	2:6w:116:LYS:CG	2.80	0.44
2:6w:225:MET:CG	2:7t:214:PRO:HD3	2.44	0.44
2:6x:263:VAL:HG21	2:9R:256:ALA:O	2.17	0.44
2:7v:215:THR:H	2:7v:218:ASN:HD22	1.64	0.44
2:9M:206:VAL:HG11	2:9J:210:LEU:CA	2.47	0.44
2:9M:245:VAL:HG13	2:9J:245:VAL:N	2.31	0.44
2:9P:76:ASN:ND2	2:9P:116:LYS:CG	2.80	0.44
1:1C:200:ILE:HG22	1:1C:216:LYS:HD3	1.99	0.44
1:1D:314:ASN:O	1:1D:315:PRO:C	2.60	0.44
1:4E:419:ASP:OD1	1:4E:419:ASP:C	2.57	0.44
1:6F:355:SER:CB	1:6F:356:PRO:HD3	2.47	0.44
1:7E:103:ASP:HB3	1:7E:238:VAL:HG13	1.99	0.44
1:1K:317:GLY:O	1:1K:318:LEU:HB2	2.17	0.44
1:2G:307:HIS:HA	1:2G:325:HIS:O	2.17	0.44
1:2H:245:GLU:OE1	1:2H:245:GLU:N	2.38	0.44
1:3G:4:THR:O	1:3G:5:PHE:HB2	2.18	0.44
1:3G:419:ASP:OD1	1:3G:419:ASP:C	2.60	0.44
1:4I:28:GLN:C	1:4I:28:GLN:CD	2.86	0.44
1:4J:142:GLN:HA	1:4J:142:GLN:NE2	2.31	0.44
1:5J:61:PHE:CD1	1:5J:61:PHE:C	2.92	0.44
1:5L:265:ALA:O	1:5L:266:LYS:CB	2.65	0.44
1:6K:81:ASN:OD1	1:6K:81:ASN:C	2.58	0.44
1:6L:448:ALA:N	2:6i:56:ASN:O	2.50	0.44
1:7H:28:GLN:CD	2:8h:52:LEU:HD11	2.42	0.44
1:1M:36:VAL:HB	1:1M:37:PRO:HD3	1.99	0.44
1:1M:313:ARG:HA	1:1M:320:TRP:HA	1.98	0.44
1:2K:202:GLU:CD	1:2K:202:GLU:C	2.85	0.44
1:2K:407:ASN:ND2	2:2m:46:ASP:O	2.51	0.44
1:2N:224:LEU:HD22	1:2N:337:ASN:HB3	2.00	0.44
1:3O:212:GLU:OE1	1:3O:212:GLU:HA	2.17	0.44
1:4M:18:TYR:O	1:4M:18:TYR:HD1	1.99	0.44
1:5M:30:ASP:OD1	1:5M:30:ASP:C	2.60	0.44
1:5M:227:PRO:HA	1:5M:241:ARG:HD3	2.00	0.44
1:5O:228:GLN:H	1:5O:228:GLN:CD	2.21	0.44
1:5Q:447:GLN:CG	2:5i:44:VAL:HG21	2.43	0.44
1:8M:95:ARG:O	1:8M:96:THR:HB	2.17	0.44
1:8Q:111:ASP:OD1	1:8Q:111:ASP:C	2.58	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1V:393:GLY:HA3	2:1t:107:LEU:CD1	2.48	0.44
1:1X:356:PRO:CD	1:1X:369:PHE:HD2	2.16	0.44
1:2P:135:ASN:N	1:2P:135:ASN:OD1	2.44	0.44
1:4S:407:ASN:OD1	1:4S:407:ASN:C	2.59	0.44
1:4W:103:ASP:OD1	1:4W:103:ASP:C	2.60	0.44
1:4W:447:GLN:OE1	2:4k:60:LEU:HD11	2.16	0.44
1:7S:355:SER:O	1:7S:356:PRO:C	2.59	0.44
1:8U:205:SER:OG	1:8U:206:SER:N	2.41	0.44
1:1c:18:TYR:CD1	1:1c:18:TYR:O	2.70	0.44
1:1d:19:ASP:OD1	1:1d:19:ASP:C	2.58	0.44
1:1d:36:VAL:HB	1:1d:37:PRO:HD3	2.00	0.44
1:3a:226:LEU:HA	1:3a:227:PRO:HD3	1.86	0.44
1:4d:419:ASP:OD1	1:4d:419:ASP:C	2.60	0.44
1:5Z:14:ILE:O	1:5Z:14:ILE:HG22	2.16	0.44
1:5b:306:LEU:HB3	1:5b:327:TRP:HB2	2.00	0.44
1:5d:259:LEU:HD13	1:5d:259:LEU:HA	1.79	0.44
1:6b:227:PRO:HG2	1:6c:82:PRO:HG3	1.99	0.44
2:1h:206:VAL:HG11	2:2t:210:LEU:CD2	2.43	0.44
2:2Z:269:LEU:HD22	2:1l:270:ILE:CD1	2.47	0.44
2:2a:163:THR:H	2:2a:166:ASN:ND2	2.09	0.44
2:2c:158[B]:ILE:HA	2:4f:154:ALA:HB1	2.00	0.44
2:2c:251:VAL:HG11	2:4f:279:ILE:HD12	1.91	0.44
2:3e:110:LEU:HD12	2:3e:110:LEU:O	2.16	0.44
2:3e:231:PRO:HA	2:4e:229:GLY:HA3	2.00	0.44
2:3f:270:ILE:HG22	2:3f:274:LYS:HE2	1.99	0.44
2:3g:239:THR:O	2:2x:246:LYS:HD3	2.17	0.44
2:5f:76:ASN:ND2	2:5f:116:LYS:CG	2.80	0.44
2:6e:57:MET:CB	2:7g:61:ALA:HB1	2.38	0.44
2:6f:279:ILE:HG21	2:5h:273:LEU:HD21	1.98	0.44
2:6g:242:LEU:HD22	2:7Z:244:GLY:C	2.42	0.44
2:7Z:77:LEU:HD12	2:7Z:110:LEU:CD1	2.46	0.44
2:7a:243:GLY:CA	2:6v:234:LEU:HD21	2.48	0.44
2:7d:23:GLN:HG3	2:8f:73:VAL:O	2.16	0.44
2:8h:118:ILE:O	2:8h:118:ILE:HG23	2.18	0.44
2:8i:38:ILE:HD11	2:8i:114:ARG:HH22	1.73	0.44
2:1j:242:LEU:HD22	2:2f:244:GLY:CA	2.44	0.44
2:1k:132:GLY:CA	2:3k:135:LEU:O	2.65	0.44
2:1l:76:ASN:ND2	2:1l:116:LYS:CG	2.80	0.44
2:2e:77:LEU:HD12	2:2e:110:LEU:CD1	2.46	0.44
2:2e:209:LEU:CD2	2:1p:209:LEU:CD2	2.90	0.44
2:2e:222:LEU:HB2	2:1p:226:ILE:CG2	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2e:248:GLY:O	2:1p:280:SER:HB2	2.17	0.44
2:2h:228:ALA:CB	2:3p:223:ARG:CB	2.94	0.44
2:2h:273:LEU:HD21	2:4h:273:LEU:HD13	2.00	0.44
2:3i:212:GLY:HA3	2:4g:203:ASN:HB2	1.98	0.44
2:4h:76:ASN:ND2	2:4h:116:LYS:CG	2.80	0.44
2:5g:270:ILE:HG12	2:6k:251:VAL:CG2	2.43	0.44
2:5h:270:ILE:HG22	2:5h:274:LYS:HE2	1.99	0.44
2:6j:236:ALA:HA	2:7k:242:LEU:HD13	1.98	0.44
2:7h:219:LYS:HG2	2:8p:226:ILE:HA	1.98	0.44
2:8k:131:THR:HB	2:9G:138:ILE:HG23	1.98	0.44
2:8n:110:LEU:HD12	2:8n:110:LEU:O	2.16	0.44
2:9G:19:LEU:N	2:9G:41:TYR:O	2.46	0.44
2:1m:234:LEU:HG	2:2j:242:LEU:HD12	2.00	0.44
2:1n:239:THR:HA	2:2k:247:LYS:O	2.17	0.44
2:1p:163:THR:H	2:1p:166:ASN:ND2	2.09	0.44
2:2n:77:LEU:HD12	2:2n:110:LEU:CD1	2.46	0.44
2:2n:214:PRO:CD	2:3s:225:MET:CG	2.91	0.44
2:5j:215:THR:H	2:5j:218:ASN:HD22	1.64	0.44
2:6m:270:ILE:HG22	2:6m:274:LYS:HE2	1.99	0.44
2:6o:118:ILE:O	2:6o:118:ILE:HG23	2.18	0.44
2:6o:226:ILE:CD1	2:7j:222:LEU:HB3	2.47	0.44
2:6o:242:LEU:HD23	2:7j:244:GLY:O	2.15	0.44
2:6p:120:ILE:HD12	2:8v:120:ILE:HD11	1.99	0.44
2:7m:77:LEU:HD12	2:7m:110:LEU:CD1	2.47	0.44
2:9H:77:LEU:HD12	2:9H:110:LEU:CD1	2.46	0.44
2:1r:114:ARG:HB2	2:2p:114:ARG:HD2	1.99	0.44
2:1r:206:VAL:HG21	2:2p:209:LEU:O	2.16	0.44
2:2o:269:LEU:HD22	2:1x:270:ILE:CD1	2.47	0.44
2:2r:242:LEU:C	2:3x:234:LEU:HD11	2.42	0.44
2:2s:154:ALA:HB1	2:1w:158[B]:ILE:CD1	2.47	0.44
2:2s:214:PRO:HD2	2:3w:225:MET:HG3	1.99	0.44
2:3q:219:LYS:HB3	2:4k:226:ILE:O	2.17	0.44
2:4l:118:ILE:O	2:4l:118:ILE:HG23	2.18	0.44
2:4l:270:ILE:HG22	2:4l:274:LYS:HE2	1.99	0.44
2:5k:149[B]:ILE:HG23	2:6s:158[B]:ILE:HG22	1.98	0.44
2:5k:246:LYS:N	2:7o:242:LEU:CD2	2.72	0.44
2:5l:215:THR:H	2:5l:218:ASN:HD22	1.64	0.44
2:6q:76:ASN:ND2	2:6q:116:LYS:CG	2.80	0.44
2:6s:110:LEU:HD12	2:6s:110:LEU:O	2.16	0.44
2:6s:118:ILE:O	2:6s:118:ILE:HG23	2.18	0.44
2:6t:263:VAL:HG21	2:9L:256:ALA:O	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7p:270:ILE:HG22	2:7p:274:LYS:HE2	1.99	0.44
2:7q:77:LEU:HD12	2:7q:110:LEU:CD1	2.46	0.44
2:8w:206:VAL:HG11	2:9I:210:LEU:CA	2.47	0.44
2:8w:278:ILE:C	2:9I:248:GLY:H	2.24	0.44
2:8z:246:LYS:HG2	2:9N:242:LEU:HD23	1.99	0.44
2:1v:239:THR:HA	2:2u:247:LYS:O	2.17	0.44
2:1w:132:GLY:CA	2:3w:135:LEU:O	2.65	0.44
2:1w:200:LEU:O	2:3w:193:LYS:HD3	2.16	0.44
2:1w:270:ILE:HG22	2:1w:274:LYS:HE2	1.99	0.44
2:1x:110:LEU:HD12	2:1x:110:LEU:O	2.16	0.44
2:2u:280:SER:OG	2:3v:247:LYS:HG2	2.16	0.44
2:3u:219:LYS:HB3	2:4m:226:ILE:O	2.17	0.44
2:3u:247:LYS:N	2:4m:238:THR:C	2.58	0.44
2:5n:59:PRO:HG2	2:7u:59:PRO:O	2.17	0.44
2:6w:215:THR:H	2:6w:218:ASN:HD22	1.64	0.44
2:6w:226:ILE:CD1	2:7t:222:LEU:HB3	2.47	0.44
2:6x:120:ILE:CD1	2:9R:120:ILE:HD13	2.48	0.44
2:7u:215:THR:H	2:7u:218:ASN:HD22	1.64	0.44
2:7w:259:VAL:CB	2:9R:259:VAL:HG22	2.42	0.44
2:9M:116:LYS:CA	2:9M:116:LYS:CE	2.86	0.44
2:9M:163:THR:H	2:9M:166:ASN:ND2	2.09	0.44
2:9M:227:GLY:HA3	2:9J:219:LYS:HZ3	1.82	0.44
2:9M:274:LYS:NZ	2:9J:251:VAL:HG22	2.32	0.44
2:9J:270:ILE:HG22	2:9J:274:LYS:HE2	1.99	0.44
1:2A:28:GLN:HE21	2:1I:27:ILE:HD12	1.24	0.44
1:3E:286:ALA:HA	1:3F:31:ASN:HB3	1.99	0.44
1:5A:30:ASP:C	1:5A:30:ASP:OD1	2.60	0.44
1:5E:314:ASN:OD1	1:5E:314:ASN:C	2.58	0.44
1:1H:448:ALA:HB2	2:1j:41:TYR:CG	2.33	0.44
1:2H:36:VAL:N	1:2H:37:PRO:HD2	2.31	0.44
1:3G:355:SER:HB2	1:3G:356:PRO:HD3	1.98	0.44
1:3L:443:SER:CA	2:3i:56:ASN:HD21	2.30	0.44
1:4J:111:ASP:OD1	1:4J:111:ASP:C	2.60	0.44
1:5G:226:LEU:HA	1:5G:227:PRO:HD3	1.84	0.44
1:5H:14:ILE:O	1:5H:14:ILE:HG22	2.16	0.44
1:5I:145:GLN:HG2	1:5I:319:TYR:HB3	1.99	0.44
1:6G:111:ASP:C	1:6G:111:ASP:OD1	2.60	0.44
1:6K:111:ASP:O	1:6K:112:ALA:CB	2.65	0.44
1:7I:446:ALA:HA	2:7e:44:VAL:HG22	2.00	0.44
1:1Q:18:TYR:O	1:1Q:18:TYR:CD1	2.71	0.44
1:2O:190:TYR:CD2	1:2O:190:TYR:C	2.94	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4M:258:GLU:HG2	1:4R:215:LYS:HD2	1.99	0.44
1:4N:33:LYS:O	1:4N:34:SER:CB	2.65	0.44
1:4N:203:PRO:CB	1:4N:212:GLU:HB2	2.46	0.44
1:4R:275:PHE:CD1	1:4R:275:PHE:C	2.95	0.44
1:5O:145:GLN:HG2	1:5O:319:TYR:HB3	1.99	0.44
1:5P:397:THR:OG1	1:5P:398:GLY:N	2.51	0.44
1:6M:425:LYS:O	1:6M:425:LYS:CG	2.65	0.44
1:8Q:245:GLU:H	1:8Q:245:GLU:CD	2.17	0.44
1:9C:269:ASN:HB2	1:9D:268:PHE:CZ	2.53	0.44
1:3T:388:GLU:OE1	1:3T:388:GLU:HA	2.18	0.44
1:3U:408:GLU:CG	1:3U:437:ILE:HD11	2.47	0.44
1:3X:411:GLN:HG2	1:3X:411:GLN:O	2.16	0.44
1:4V:142:GLN:HA	1:4V:142:GLN:NE2	2.31	0.44
1:5V:306:LEU:HB3	1:5V:327:TRP:HB2	2.00	0.44
1:5X:419:ASP:CB	1:5X:425:LYS:HZ3	2.14	0.44
1:6S:19:ASP:C	1:6S:19:ASP:OD1	2.59	0.44
1:6T:355:SER:CB	1:6T:356:PRO:HD3	2.47	0.44
1:6W:81:ASN:OD1	1:6W:81:ASN:C	2.58	0.44
1:6W:111:ASP:O	1:6W:112:ALA:CB	2.65	0.44
1:7R:395:ALA:O	2:7p:107:LEU:HD11	2.17	0.44
1:8T:36:VAL:N	1:8T:37:PRO:CD	2.80	0.44
1:9D:403:SER:OG	2:9I:16:TYR:OH	2.26	0.44
1:2X:227:PRO:O	1:2X:228:GLN:CB	2.65	0.44
1:2Y:423:GLU:O	1:2Y:424:ASP:HB2	2.18	0.44
1:6Z:447:GLN:C	2:6w:41:TYR:CD1	2.92	0.44
1:6a:245:GLU:OE1	1:6a:245:GLU:N	2.31	0.44
1:6d:36:VAL:N	1:6d:37:PRO:CD	2.80	0.44
1:7W:420:ILE:HB	1:7W:427:LYS:HB2	2.00	0.44
2:1e:28:ILE:HG13	2:1l:73:VAL:HG12	1.99	0.44
2:1g:180:VAL:HG11	2:3g:184:LEU:O	2.17	0.44
2:1h:76:ASN:ND2	2:1h:116:LYS:CG	2.80	0.44
2:2Z:248:GLY:O	2:1l:280:SER:HB2	2.17	0.44
2:2b:219:LYS:HB3	2:3e:226:ILE:O	2.16	0.44
2:2c:148[B]:ILE:HD13	2:4f:148[B]:ILE:HD13	1.98	0.44
2:3e:234:LEU:HD13	2:4e:234:LEU:CD1	2.48	0.44
2:5e:200:LEU:O	2:6g:193:LYS:HD3	2.17	0.44
2:6e:158[B]:ILE:HD12	2:8i:158[B]:ILE:HG13	2.00	0.44
2:6e:160:GLY:HA2	2:8i:173:LEU:HD13	2.00	0.44
2:6f:270:ILE:HG22	2:6f:274:LYS:HE2	1.99	0.44
2:6g:114:ARG:HG3	2:7Z:114:ARG:HG3	2.00	0.44
2:7a:215:THR:H	2:7a:218:ASN:HD22	1.64	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7c:248:GLY:CA	2:8j:278:ILE:O	2.61	0.44
2:7d:226:ILE:HD13	2:9P:226:ILE:CD1	2.46	0.44
2:7d:242:LEU:CD1	2:8f:234:LEU:HD23	2.47	0.44
2:8e:61:ALA:HB2	2:9O:59:PRO:CD	2.47	0.44
2:8e:110:LEU:HD12	2:8e:110:LEU:O	2.16	0.44
2:8e:126:LYS:C	2:8e:126:LYS:CD	2.85	0.44
2:8e:183:PHE:CD1	2:9F:183:PHE:CZ	3.05	0.44
2:8e:245:VAL:HG13	2:9F:245:VAL:N	2.31	0.44
2:8g:2:MET:HE1	2:8k:58:TYR:HB3	1.98	0.44
2:1j:110:LEU:HD12	2:1j:110:LEU:O	2.16	0.44
2:1j:200:LEU:HD13	2:3j:200:LEU:HD22	1.78	0.44
2:1k:97:TYR:OH	2:1k:111:VAL:HB	2.15	0.44
2:1l:41:TYR:CZ	2:1l:57:MET:SD	3.08	0.44
2:2e:219:LYS:CG	2:1p:226:ILE:HA	2.44	0.44
2:2g:19:LEU:N	2:2g:41:TYR:O	2.46	0.44
2:2h:148[B]:ILE:HD13	2:4h:148[B]:ILE:CD1	2.48	0.44
2:2i:136:LEU:HA	2:3o:132:GLY:HA3	1.99	0.44
2:3i:230:VAL:C	2:4g:229:GLY:CA	2.89	0.44
2:3i:231:PRO:HA	2:4g:229:GLY:HA3	2.00	0.44
2:5h:41:TYR:OH	2:5h:57:MET:SD	2.76	0.44
2:6i:158[B]:ILE:HD12	2:8o:158[B]:ILE:HG13	1.99	0.44
2:6j:210:LEU:HD22	2:7k:201:VAL:HG21	2.00	0.44
2:6k:114:ARG:HG3	2:7e:114:ARG:HG3	2.00	0.44
2:6l:219:LYS:HB3	2:7h:226:ILE:O	2.17	0.44
2:7f:270:ILE:HG22	2:7f:274:LYS:HE2	1.99	0.44
2:7g:270:ILE:HG22	2:7g:274:LYS:HE2	1.99	0.44
2:7i:19:LEU:N	2:7i:41:TYR:O	2.46	0.44
2:8k:173:LEU:HD13	2:9G:157:LEU:HD12	1.98	0.44
2:8k:206:VAL:HG11	2:9G:210:LEU:CA	2.47	0.44
2:8o:163:THR:H	2:8o:166:ASN:ND2	2.09	0.44
2:1n:239:THR:N	2:2k:247:LYS:CB	2.78	0.44
2:2l:230:VAL:C	2:3m:229:GLY:CA	2.88	0.44
2:2l:230:VAL:HA	2:3m:229:GLY:N	2.31	0.44
2:2m:170:LEU:HD13	2:4j:174:LEU:HD23	1.99	0.44
2:2m:228:ALA:CB	2:3t:223:ARG:CB	2.94	0.44
2:3m:234:LEU:HD13	2:4i:234:LEU:CD1	2.48	0.44
2:4j:215:THR:H	2:4j:218:ASN:HD22	1.64	0.44
2:5j:59:PRO:HD3	2:7k:61:ALA:HB2	1.98	0.44
2:5j:270:ILE:HG22	2:5j:274:LYS:HE2	1.99	0.44
2:6m:148[B]:ILE:HD13	2:7q:148[B]:ILE:HD13	1.98	0.44
2:6n:163:THR:H	2:6n:166:ASN:ND2	2.09	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:201:VAL:HA	2:5l:197:GLN:NE2	2.32	0.44
2:6n:244:GLY:C	2:7p:242:LEU:CD2	2.89	0.44
2:6o:174:LEU:HD22	2:7j:174:LEU:HD11	1.98	0.44
2:7n:270:ILE:HG22	2:7n:274:LYS:HE2	1.99	0.44
2:8q:175:PHE:CZ	2:9H:175:PHE:CE2	2.99	0.44
2:8v:118:ILE:O	2:8v:118:ILE:HG23	2.18	0.44
2:1s:147:ILE:O	2:3s:141:PRO:HB3	2.18	0.44
2:1t:110:LEU:HD12	2:1t:110:LEU:O	2.16	0.44
2:2p:206:VAL:HG12	2:3r:210:LEU:CD2	2.42	0.44
2:2q:219:LYS:HB3	2:3q:226:ILE:O	2.16	0.44
2:2q:239:THR:HA	2:4k:247:LYS:N	2.33	0.44
2:2r:180:VAL:HG11	2:3x:184:LEU:HD23	1.98	0.44
2:2r:201:VAL:CG2	2:3x:210:LEU:CD1	2.79	0.44
2:2s:267:ASN:CG	2:1w:254:SER:H	2.16	0.44
2:3q:110:LEU:HD12	2:3q:110:LEU:O	2.16	0.44
2:3q:234:LEU:HD13	2:4k:234:LEU:CD1	2.48	0.44
2:5k:120:ILE:HD11	2:7o:120:ILE:HD13	0.72	0.44
2:5k:229:GLY:HA2	2:6s:231:PRO:HG3	1.95	0.44
2:5k:259:VAL:HG22	2:6s:259:VAL:CG2	2.48	0.44
2:5l:59:PRO:HD3	2:7p:61:ALA:HB2	1.98	0.44
2:5l:59:PRO:HG2	2:7p:59:PRO:O	2.17	0.44
2:6r:212:GLY:HA3	2:7u:203:ASN:HD22	1.83	0.44
2:6r:226:ILE:HG13	2:5n:223:ARG:HG2	1.99	0.44
2:7q:19:LEU:N	2:7q:41:TYR:O	2.46	0.44
2:7r:219:LYS:HG2	2:9L:226:ILE:HA	1.98	0.44
2:7r:250:ALA:CA	2:9L:280:SER:C	2.72	0.44
2:7r:250:ALA:H	2:9L:280:SER:HB2	1.75	0.44
2:7r:269:LEU:HD22	2:9L:270:ILE:HG13	1.98	0.44
2:8w:150:GLU:OE1	2:9I:141:PRO:HB2	2.15	0.44
2:8w:274:LYS:NZ	2:9I:251:VAL:HG22	2.32	0.44
2:8y:223:ARG:CG	2:9J:228:ALA:CA	2.89	0.44
2:1w:280:SER:N	2:3w:249:ALA:CA	2.78	0.44
2:2w:158[B]:ILE:HA	2:4n:154:ALA:HB1	2.00	0.44
2:2w:215:THR:H	2:2w:218:ASN:HD22	1.64	0.44
2:3u:76:ASN:ND2	2:3u:116:LYS:CG	2.80	0.44
2:3u:212:GLY:HA3	2:4m:203:ASN:HB2	1.98	0.44
2:3x:270:ILE:HG22	2:3x:274:LYS:HE2	1.99	0.44
2:4m:270:ILE:HG22	2:4m:274:LYS:HE2	1.99	0.44
2:5n:76:ASN:ND2	2:5n:116:LYS:CG	2.80	0.44
2:5n:118:ILE:O	2:5n:118:ILE:HG23	2.18	0.44
2:6x:193:LYS:HB3	2:7w:200:LEU:O	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:193:LYS:HE3	2:9R:199:LEU:O	2.16	0.44
2:7w:231:PRO:HD3	2:9R:228:ALA:C	2.43	0.44
2:9M:110:LEU:HD12	2:9M:110:LEU:O	2.16	0.44
2:9M:183:PHE:CD1	2:9J:183:PHE:CZ	3.05	0.44
2:9P:118:ILE:O	2:9P:118:ILE:HG23	2.18	0.44
2:9Q:38:ILE:CD1	2:9Q:114:ARG:HH22	2.29	0.44
1:1F:36:VAL:HB	1:1F:37:PRO:HD3	1.99	0.44
1:2A:36:VAL:N	1:2A:37:PRO:HD2	2.33	0.44
1:2A:202:GLU:C	1:2A:202:GLU:CD	2.85	0.44
1:2A:245:GLU:H	1:2A:245:GLU:CD	2.22	0.44
1:3E:56:THR:HG22	1:3E:56:THR:O	2.18	0.44
1:3F:448:ALA:HB2	2:3e:41:TYR:CE1	2.51	0.44
1:5B:226:LEU:HA	1:5B:227:PRO:HD3	1.85	0.44
1:5E:204:THR:HG1	1:5E:212:GLU:CD	2.14	0.44
1:6C:288:THR:OG1	1:6C:289:GLY:N	2.49	0.44
1:6E:30:ASP:OD1	1:6E:30:ASP:C	2.60	0.44
1:7A:19:ASP:OD1	1:7A:19:ASP:C	2.59	0.44
1:7C:420:ILE:HB	1:7C:427:LYS:HB2	2.00	0.44
1:1G:313:ARG:HA	1:1G:320:TRP:HA	1.98	0.44
1:3G:428:LEU:HD12	1:3G:428:LEU:C	2.42	0.44
1:5G:81:ASN:OD1	1:5G:81:ASN:C	2.58	0.44
1:6L:160:GLU:OE1	1:6L:160:GLU:N	2.47	0.44
1:7F:425:LYS:O	1:7F:426:PRO:C	2.61	0.44
1:7H:420:ILE:HB	1:7H:427:LYS:HB2	2.00	0.44
1:8G:447:GLN:CD	2:8k:44:VAL:HG11	2.36	0.44
1:8H:36:VAL:N	1:8H:37:PRO:CD	2.80	0.44
1:8H:443:SER:C	2:8l:45:LYS:NZ	2.75	0.44
1:1M:249:LEU:HB2	1:1M:279:VAL:HG13	2.00	0.44
1:1M:289:GLY:O	1:1M:343:SER:N	2.48	0.44
1:2L:307:HIS:HA	1:2L:325:HIS:O	2.17	0.44
1:2O:19:ASP:OD1	1:2O:19:ASP:C	2.59	0.44
1:3O:446:ALA:HB1	2:3p:19:LEU:HD12	1.99	0.44
1:3Q:200:ILE:HG22	1:3Q:216:LYS:CD	2.47	0.44
1:4N:19:ASP:OD1	1:4N:19:ASP:C	2.60	0.44
1:4R:446:ALA:CB	2:4j:56:ASN:CB	2.84	0.44
1:6M:446:ALA:CA	2:6p:44:VAL:HG23	2.46	0.44
1:1S:249:LEU:HB2	1:1S:279:VAL:HG13	2.00	0.44
1:1T:392:THR:HG22	2:1r:107:LEU:HG	2.00	0.44
1:1V:404:VAL:O	1:1V:405:SER:HB3	2.17	0.44
1:2Q:307:HIS:HA	1:2Q:325:HIS:O	2.17	0.44
1:3S:4:THR:O	1:3S:5:PHE:HB2	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3T:245:GLU:H	1:3T:245:GLU:CD	2.15	0.44
1:3T:423:GLU:H	1:3T:423:GLU:CD	2.21	0.44
1:3W:202:GLU:HA	1:3W:203:PRO:HD3	1.60	0.44
1:4V:355:SER:O	1:4V:356:PRO:C	2.59	0.44
1:4W:200:ILE:HD13	1:4W:341:PHE:HB3	1.98	0.44
1:5U:286:ALA:HA	1:5V:31:ASN:HB3	1.99	0.44
1:6W:331:SER:OG	1:6W:332:VAL:N	2.51	0.44
1:8S:392:THR:HG21	2:8w:107:LEU:CD2	2.46	0.44
1:8W:447:GLN:CG	2:8z:44:VAL:HG11	2.46	0.44
1:8X:6:ASN:OD1	1:8X:6:ASN:C	2.58	0.44
1:1Y:202:GLU:HA	1:1Y:203:PRO:HD3	1.84	0.44
1:1Z:236:MET:HG2	1:1Z:334:ARG:HB3	1.99	0.44
1:1b:404:VAL:O	1:1b:405:SER:HB3	2.17	0.44
1:1c:81:ASN:OD1	1:1c:81:ASN:C	2.60	0.44
1:2V:307:HIS:HA	1:2V:325:HIS:O	2.17	0.44
1:3b:445:GLY:O	2:3w:44:VAL:HG22	2.17	0.44
1:4b:142:GLN:NE2	1:4b:142:GLN:HA	2.31	0.44
1:4d:20:ILE:O	1:4d:21:VAL:HB	2.17	0.44
1:5Y:30:ASP:OD1	1:5Y:30:ASP:C	2.60	0.44
1:7W:111:ASP:OD1	1:7W:111:ASP:C	2.61	0.44
1:8b:444:GLY:CA	2:9Q:45:LYS:HD2	2.25	0.44
1:9E:331:SER:OG	1:9E:332:VAL:N	2.49	0.44
1:9E:447:GLN:HG2	2:9J:56:ASN:HB2	1.99	0.44
2:1f:236:ALA:HA	2:3f:242:LEU:HD11	1.99	0.44
2:1g:251:VAL:HG13	2:2x:279:ILE:CD1	2.24	0.44
2:1g:273:LEU:CD1	2:3g:273:LEU:CD1	2.84	0.44
2:2Z:246:LYS:CD	2:1l:240:THR:CA	2.89	0.44
2:2a:77:LEU:HD12	2:2a:110:LEU:CD1	2.46	0.44
2:3e:244:GLY:HA2	2:4e:243:GLY:C	2.37	0.44
2:5f:223:ARG:HG2	2:6v:226:ILE:HG13	1.99	0.44
2:6g:174:LEU:HD22	2:7Z:174:LEU:HD11	1.98	0.44
2:6g:279:ILE:HG22	2:7Z:273:LEU:HD23	1.98	0.44
2:7b:215:THR:H	2:7b:218:ASN:HD22	1.64	0.44
2:8e:118:ILE:O	2:8e:118:ILE:HG23	2.18	0.44
2:8e:215:THR:H	2:8e:218:ASN:HD22	1.64	0.44
2:8e:270:ILE:HG22	2:8e:274:LYS:HE2	1.99	0.44
2:8g:59:PRO:CD	2:8k:61:ALA:HB2	2.47	0.44
2:8g:270:ILE:HG22	2:8g:274:LYS:HE2	1.99	0.44
2:8i:97:TYR:OH	2:8i:111:VAL:HB	2.15	0.44
2:1i:193:LYS:CD	2:2e:202:SER:HB3	2.46	0.44
2:1i:270:ILE:HG22	2:1i:274:LYS:HE2	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1j:200:LEU:CD2	2:2f:200:LEU:HD11	2.47	0.44
2:1k:266:LEU:CD2	2:3k:266:LEU:H	1.75	0.44
2:2e:244:GLY:HA2	2:1p:243:GLY:H	1.77	0.44
2:2h:270:ILE:HG22	2:2h:274:LYS:HE2	1.99	0.44
2:2i:184:LEU:HD23	2:3o:180:VAL:HG13	2.00	0.44
2:3i:215:THR:H	2:3i:218:ASN:HD22	1.64	0.44
2:3j:38:ILE:CD1	2:3j:114:ARG:HH22	2.29	0.44
2:4g:270:ILE:HG22	2:4g:274:LYS:HE2	1.99	0.44
2:5g:259:VAL:HG22	2:6k:259:VAL:CG2	2.47	0.44
2:6i:247:LYS:HG2	2:8o:278:ILE:O	2.16	0.44
2:6j:122:VAL:N	2:7k:127:ASP:OD1	2.41	0.44
2:6l:120:ILE:CD1	2:8p:120:ILE:HD13	2.48	0.44
2:6l:266:LEU:CD2	2:8p:265:ASP:HB2	2.48	0.44
2:6l:279:ILE:HA	2:8p:248:GLY:O	2.17	0.44
2:7h:193:LYS:HE3	2:8p:199:LEU:O	2.16	0.44
2:7h:231:PRO:HD3	2:8p:228:ALA:C	2.43	0.44
2:7i:77:LEU:HD12	2:7i:110:LEU:CD1	2.46	0.44
2:8k:175:PHE:CZ	2:9G:175:PHE:CE2	2.99	0.44
2:8m:148[A]:ILE:HG23	2:8q:145:ARG:HG2	1.98	0.44
2:8m:245:VAL:O	2:9H:241:THR:O	2.35	0.44
2:1n:118:ILE:O	2:1n:118:ILE:HG23	2.18	0.44
2:2m:125:ILE:HA	2:3t:120:ILE:O	2.16	0.44
2:2m:125:ILE:HA	2:3t:120:ILE:HG13	1.98	0.44
2:2m:273:LEU:HD21	2:4j:273:LEU:HD13	2.00	0.44
2:2n:214:PRO:HD2	2:3s:225:MET:HG3	1.99	0.44
2:3o:179:ASN:ND2	2:3o:192:ASN:HD22	2.11	0.44
2:4j:76:ASN:ND2	2:4j:116:LYS:CG	2.80	0.44
2:5j:62:ALA:HA	2:5j:112:ILE:HD12	1.98	0.44
2:6n:238:THR:CA	2:5l:247:LYS:HB2	2.48	0.44
2:6p:219:LYS:HB3	2:7m:226:ILE:O	2.17	0.44
2:7l:19:LEU:N	2:7l:41:TYR:O	2.46	0.44
2:7m:231:PRO:HD3	2:8v:228:ALA:C	2.43	0.44
2:8q:259:VAL:HG13	2:9H:259:VAL:CA	2.00	0.44
2:8s:184:LEU:HD23	2:9I:180:VAL:HG11	1.98	0.44
2:8s:223:ARG:CG	2:9I:226:ILE:HG13	2.47	0.44
2:8s:237:ALA:HB3	2:8w:247:LYS:HB2	1.90	0.44
2:8t:76:ASN:ND2	2:8t:116:LYS:CG	2.80	0.44
2:1q:222:LEU:CD1	2:2o:226:ILE:HG22	2.47	0.44
2:1s:266:LEU:CD2	2:3s:265:ASP:HB3	2.37	0.44
2:2o:111:VAL:HG13	2:1x:57:MET:HE2	1.99	0.44
2:2q:214:PRO:CG	2:3q:225:MET:HG3	2.32	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6q:251:VAL:H	2:9K:279:ILE:HD12	1.82	0.44
2:6r:184:LEU:HD13	2:7u:175:PHE:HE1	1.82	0.44
2:6r:210:LEU:HD22	2:7u:201:VAL:HG21	2.00	0.44
2:6t:120:ILE:CD1	2:9L:120:ILE:HD13	2.47	0.44
2:6t:126:LYS:HG3	2:9L:119:SER:HB3	1.94	0.44
2:6t:193:LYS:HB3	2:7r:200:LEU:O	2.17	0.44
2:8w:154:ALA:HB1	2:9I:158[B]:ILE:HA	1.95	0.44
2:8w:183:PHE:CD1	2:9I:183:PHE:CZ	3.05	0.44
2:8y:222:LEU:O	2:9J:226:ILE:CD1	2.63	0.44
2:1u:222:LEU:CD1	2:2t:226:ILE:HG22	2.47	0.44
2:1u:234:LEU:HG	2:2t:242:LEU:HD12	2.00	0.44
2:1w:199:LEU:O	2:3w:193:LYS:CG	2.64	0.44
2:1w:200:LEU:CA	2:3w:193:LYS:HG2	2.45	0.44
2:2u:77:LEU:HD12	2:2u:110:LEU:CD1	2.47	0.44
2:2v:57:MET:CE	2:4m:111:VAL:HG13	2.47	0.44
2:2w:158[B]:ILE:HA	2:4n:154:ALA:CB	2.48	0.44
2:4n:118:ILE:O	2:4n:118:ILE:HG23	2.18	0.44
2:5m:97:TYR:OH	2:5m:111:VAL:HB	2.15	0.44
2:5m:173:LEU:O	2:6w:167:LYS:HG2	2.18	0.44
2:5m:259:VAL:HG22	2:6w:259:VAL:CG2	2.47	0.44
2:6u:119:SER:HB3	2:9Q:126:LYS:HG2	1.97	0.44
2:6u:183:PHE:CE2	2:9Q:183:PHE:CE2	3.05	0.44
2:6w:242:LEU:HD22	2:7t:244:GLY:C	2.42	0.44
2:7v:77:LEU:HD12	2:7v:110:LEU:CD1	2.46	0.44
2:7w:145:ARG:HD3	2:9R:149[A]:ILE:HA	1.99	0.44
2:7x:57:MET:HE2	2:9N:111:VAL:CG2	2.45	0.44
2:9M:201:VAL:H	2:9J:193:LYS:CE	2.28	0.44
2:9M:280:SER:C	2:9J:250:ALA:HA	2.42	0.44
2:9R:76:ASN:ND2	2:9R:116:LYS:CG	2.80	0.44
2:9R:110:LEU:HD12	2:9R:110:LEU:O	2.16	0.44
1:2E:190:TYR:CD2	1:2E:190:TYR:C	2.94	0.44
1:3A:269:ASN:OD1	1:3A:269:ASN:C	2.59	0.44
1:3C:212:GLU:HA	1:3C:212:GLU:OE1	2.17	0.44
1:5E:355:SER:HB3	1:5E:356:PRO:HD3	1.99	0.44
1:5F:396:ILE:HG21	1:5F:396:ILE:HD13	1.68	0.44
1:7A:36:VAL:N	1:7A:37:PRO:HD2	2.32	0.44
1:8A:137:GLN:O	1:8A:137:GLN:CG	2.62	0.44
1:1I:445:GLY:HA3	2:1k:54:GLN:O	2.17	0.44
1:2F:202:GLU:C	1:2F:202:GLU:CD	2.85	0.44
1:3G:235:SER:O	1:3G:236:MET:CB	2.66	0.44
1:4H:135:ASN:OD1	1:4H:135:ASN:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4K:19:ASP:OD1	1:4K:19:ASP:C	2.61	0.44
1:5K:250:ILE:O	1:5K:251:ILE:HB	2.17	0.44
1:6K:331:SER:OG	1:6K:332:VAL:N	2.51	0.44
1:7J:447:GLN:C	2:7h:41:TYR:CD1	2.78	0.44
1:8L:447:GLN:HG2	2:8m:44:VAL:HG23	1.98	0.44
1:1O:111:ASP:C	1:1O:111:ASP:OD1	2.59	0.44
1:1P:404:VAL:O	1:1P:405:SER:HB3	2.17	0.44
1:2O:28:GLN:HG2	2:1n:52:LEU:HD11	2.00	0.44
1:3Q:56:THR:HG22	1:3Q:56:THR:O	2.18	0.44
1:3R:411:GLN:O	1:3R:411:GLN:HG2	2.16	0.44
1:4M:111:ASP:OD1	1:4M:111:ASP:C	2.61	0.44
1:4O:28:GLN:C	1:4O:28:GLN:CD	2.86	0.44
1:6Q:245:GLU:H	1:6Q:245:GLU:CD	2.13	0.44
1:7K:36:VAL:N	1:7K:37:PRO:HD2	2.32	0.44
1:7L:30:ASP:OD1	1:7L:30:ASP:C	2.58	0.44
1:7L:355:SER:HB3	1:7L:356:PRO:CD	2.47	0.44
1:7M:5:PHE:O	1:7M:6:ASN:HB2	2.17	0.44
1:7M:420:ILE:HB	1:7M:427:LYS:HB2	2.00	0.44
1:1U:392:THR:HG21	2:1s:66:ILE:HG12	2.00	0.44
1:1U:447:GLN:HG2	2:1s:60:LEU:CD1	2.47	0.44
1:4T:135:ASN:OD1	1:4T:135:ASN:N	2.50	0.44
1:4W:199:LYS:HG2	1:4W:202:GLU:CG	2.39	0.44
1:4X:96:THR:HA	1:4X:132:HIS:O	2.17	0.44
1:5S:226:LEU:HA	1:5S:227:PRO:HD3	1.83	0.44
1:5U:145:GLN:HG2	1:5U:319:TYR:HB3	1.99	0.44
1:7P:28:GLN:OE1	2:6s:27:ILE:HD11	2.18	0.44
1:7T:103:ASP:HB3	1:7T:238:VAL:HG13	1.99	0.44
1:8S:36:VAL:N	1:8S:37:PRO:CD	2.81	0.44
1:8W:21:VAL:O	1:8W:21:VAL:HG12	2.17	0.44
1:9D:392:THR:CB	2:9I:46:ASP:CG	2.84	0.44
1:2W:392:THR:HG23	2:2u:46:ASP:CG	2.43	0.44
1:4Z:33:LYS:O	1:4Z:34:SER:CB	2.65	0.44
1:5Z:226:LEU:HA	1:5Z:227:PRO:HD3	1.85	0.44
1:6Z:393:GLY:HA2	2:6w:107:LEU:CD1	2.48	0.44
1:6d:130:LEU:C	1:6d:130:LEU:HD12	2.41	0.44
1:6d:160:GLU:OE1	1:6d:160:GLU:N	2.47	0.44
1:9E:403:SER:OG	2:9J:16:TYR:OH	1.89	0.44
2:1e:247:LYS:O	2:2Z:239:THR:CG2	2.64	0.44
2:2Z:270:ILE:HG22	2:2Z:274:LYS:HE2	1.99	0.44
2:2a:206:VAL:HG12	2:3f:210:LEU:CD2	2.42	0.44
2:2a:242:LEU:HA	2:3f:245:VAL:H	1.75	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:210:LEU:O	2:3e:201:VAL:HG13	2.18	0.44
2:2b:244:GLY:O	2:3e:242:LEU:HD23	2.14	0.44
2:2c:215:THR:H	2:2c:218:ASN:HD22	1.64	0.44
2:2c:241:THR:CG2	2:3l:234:LEU:HD22	2.36	0.44
2:2d:193:LYS:HG2	2:3k:200:LEU:C	2.43	0.44
2:3e:118:ILE:O	2:3e:118:ILE:HG23	2.18	0.44
2:5f:118:ILE:O	2:5f:118:ILE:HG23	2.18	0.44
2:5f:214:PRO:HG3	2:6v:225:MET:CG	2.45	0.44
2:6e:251:VAL:H	2:8i:279:ILE:HD12	1.82	0.44
2:6f:184:LEU:HD13	2:7f:175:PHE:HE1	1.82	0.44
2:6f:232:TYR:CD2	2:7f:232:TYR:CD1	3.04	0.44
2:6f:234:LEU:HD21	2:7f:243:GLY:CA	2.48	0.44
2:6g:215:THR:H	2:6g:218:ASN:HD22	1.64	0.44
2:6h:259:VAL:HG22	2:7c:259:VAL:CG2	2.45	0.44
2:7a:203:ASN:HD22	2:6v:212:GLY:HA3	1.83	0.44
2:7c:231:PRO:HD3	2:8j:228:ALA:C	2.43	0.44
2:7c:247:LYS:H	2:8j:237:ALA:HB1	1.82	0.44
2:7c:270:ILE:HG22	2:7c:274:LYS:HE2	1.99	0.44
2:8e:258:ASP:HA	2:9O:259:VAL:CG2	2.47	0.44
2:8h:270:ILE:HG22	2:8h:274:LYS:HE2	1.99	0.44
2:1j:41:TYR:OH	2:2f:111:VAL:HG11	2.18	0.44
2:1j:226:ILE:HG22	2:2f:222:LEU:CD1	2.44	0.44
2:1l:116:LYS:CA	2:1l:116:LYS:CE	2.86	0.44
2:2f:270:ILE:HG22	2:2f:274:LYS:HE2	1.99	0.44
2:2h:175:PHE:HE1	2:3p:175:PHE:CE2	2.33	0.44
2:3i:234:LEU:HD13	2:4g:234:LEU:CD1	2.48	0.44
2:6j:238:THR:CA	2:5j:247:LYS:HB2	2.48	0.44
2:6k:114:ARG:CB	2:7e:114:ARG:HD2	2.40	0.44
2:6k:226:ILE:CD1	2:7e:222:LEU:HB3	2.47	0.44
2:7h:259:VAL:CB	2:8p:259:VAL:HG22	2.42	0.44
2:8k:176:SER:HB3	2:9G:164:ASN:OD1	2.18	0.44
2:8n:239:THR:N	2:7n:247:LYS:HB2	2.32	0.44
2:8n:246:LYS:HG2	2:8r:242:LEU:HD23	1.99	0.44
2:8p:118:ILE:O	2:8p:118:ILE:HG23	2.18	0.44
2:1o:147:ILE:O	2:3o:141:PRO:HB3	2.18	0.44
2:1p:118:ILE:O	2:1p:118:ILE:HG23	2.18	0.44
2:2k:226:ILE:CD1	2:3n:222:LEU:C	2.88	0.44
2:2l:179:ASN:ND2	2:2l:192:ASN:HD22	2.11	0.44
2:2m:242:LEU:C	2:3t:234:LEU:HD11	2.42	0.44
2:2n:184:LEU:HD23	2:3s:180:VAL:HG13	2.00	0.44
2:3m:231:PRO:HA	2:4i:229:GLY:HA3	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5j:239:THR:HG23	2:7k:247:LYS:HB3	2.00	0.44
2:6m:126:LYS:C	2:6m:126:LYS:CD	2.86	0.44
2:6m:246:LYS:CE	2:8u:242:LEU:CD2	2.96	0.44
2:6n:184:LEU:HD13	2:7p:175:PHE:HE1	1.82	0.44
2:6n:210:LEU:HD22	2:7p:201:VAL:HG21	2.00	0.44
2:6n:234:LEU:HD21	2:7p:243:GLY:CA	2.48	0.44
2:6p:179:ASN:ND2	2:6p:192:ASN:HD22	2.11	0.44
2:6p:193:LYS:HB3	2:7m:200:LEU:O	2.17	0.44
2:6p:267:ASN:HD21	2:8v:254:SER:C	2.18	0.44
2:7k:215:THR:H	2:7k:218:ASN:HD22	1.64	0.44
2:7n:242:LEU:HD13	2:8r:234:LEU:CD2	2.47	0.44
2:8t:163:THR:H	2:8t:166:ASN:ND2	2.09	0.44
2:8t:270:ILE:HG22	2:8t:274:LYS:HE2	1.99	0.44
2:9H:215:THR:H	2:9H:218:ASN:HD22	1.64	0.44
2:1r:200:LEU:CD2	2:2p:200:LEU:HD11	2.47	0.44
2:2q:226:ILE:HG22	2:4k:222:LEU:HD13	2.00	0.44
2:2s:244:GLY:CA	2:3w:243:GLY:C	2.79	0.44
2:4l:62:ALA:HA	2:4l:112:ILE:HD12	1.97	0.44
2:4l:179:ASN:ND2	2:4l:192:ASN:HD22	2.11	0.44
2:6q:158[B]:ILE:HD12	2:9K:158[B]:ILE:HG13	2.00	0.44
2:6s:226:ILE:CA	2:7o:219:LYS:HA	2.44	0.44
2:6s:242:LEU:HD22	2:7o:244:GLY:C	2.42	0.44
2:7r:231:PRO:HD3	2:9L:228:ALA:C	2.43	0.44
2:7s:26:ASP:O	2:8x:73:VAL:HG21	2.17	0.44
2:7s:242:LEU:CD1	2:8x:234:LEU:HD23	2.47	0.44
2:8w:279:ILE:HB	2:9I:272:VAL:HG11	1.93	0.44
2:8y:57:MET:HE2	2:8y:57:MET:HA	2.00	0.44
2:8y:184:LEU:HD23	2:9J:180:VAL:HG11	1.98	0.44
2:1u:244:GLY:CA	2:2t:242:LEU:CA	2.67	0.44
2:1v:238:THR:C	2:2u:247:LYS:CB	2.90	0.44
2:2v:197:GLN:CG	2:3u:200:LEU:O	2.63	0.44
2:2w:162:THR:OG1	2:4n:173:LEU:O	2.23	0.44
2:2w:188:THR:OG1	2:4n:199:LEU:O	2.14	0.44
2:3u:259:VAL:HG23	2:4m:259:VAL:HG21	2.00	0.44
2:4m:57:MET:HE2	2:4m:57:MET:HA	2.00	0.44
2:4n:41:TYR:CZ	2:4n:57:MET:SD	3.08	0.44
2:5n:41:TYR:OH	2:5n:57:MET:SD	2.76	0.44
2:6u:73:VAL:O	2:9Q:23:GLN:NE2	2.49	0.44
2:6w:114:ARG:HG3	2:7t:114:ARG:HG3	2.00	0.44
2:6x:219:LYS:HB3	2:7w:226:ILE:O	2.17	0.44
2:6x:269:LEU:HD22	2:7w:270:ILE:HG13	1.96	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6x:269:LEU:CD2	2:9R:269:LEU:HD21	2.47	0.44
2:6x:270:ILE:HG22	2:6x:274:LYS:HE2	1.99	0.44
2:7w:254:SER:OG	2:9R:263:VAL:CG1	2.53	0.44
2:7w:272:VAL:HG11	2:9R:279:ILE:HG21	1.98	0.44
2:9M:199:LEU:HD11	2:9J:186:ALA:CA	2.33	0.44
2:9R:41:TYR:OH	2:9R:57:MET:SD	2.76	0.44
2:9R:270:ILE:HG22	2:9R:274:LYS:HE2	1.99	0.44
2:9J:77:LEU:HD12	2:9J:110:LEU:CD1	2.47	0.44
1:2B:314:ASN:OD1	1:2B:314:ASN:C	2.59	0.44
1:2E:423:GLU:O	1:2E:424:ASP:HB2	2.18	0.44
1:3A:374:ARG:HD3	1:3A:374:ARG:HA	1.80	0.44
1:4A:258:GLU:HG2	1:4F:215:LYS:HD2	1.99	0.44
1:5D:202:GLU:O	1:5D:209:ALA:HB1	2.18	0.44
1:5F:406:GLY:O	1:5F:407:ASN:CB	2.66	0.44
1:6D:205:SER:OG	1:6D:206:SER:N	2.46	0.44
1:6F:130:LEU:HD12	1:6F:130:LEU:C	2.42	0.44
1:7D:19:ASP:OD1	1:7D:19:ASP:C	2.59	0.44
1:1G:446:ALA:HB2	2:1i:19:LEU:CD1	2.47	0.44
1:3H:388:GLU:OE1	1:3H:388:GLU:HA	2.18	0.44
1:3I:445:GLY:HA2	2:3l:45:LYS:HB2	1.99	0.44
1:5G:111:ASP:OD1	1:5G:111:ASP:C	2.57	0.44
1:5H:202:GLU:HA	1:5H:203:PRO:HD3	1.64	0.44
1:5K:448:ALA:HB2	2:5g:57:MET:HA	1.99	0.44
1:6I:406:GLY:O	1:6I:407:ASN:HB3	2.17	0.44
1:6L:330:LEU:N	1:6L:330:LEU:HD23	2.32	0.44
1:8G:36:VAL:N	1:8G:37:PRO:CD	2.81	0.44
1:8H:445:GLY:HA2	2:8l:45:LYS:CB	2.48	0.44
1:1P:314:ASN:O	1:1P:317:GLY:N	2.51	0.44
1:2L:201:ASP:OD1	1:2L:201:ASP:C	2.59	0.44
1:3N:388:GLU:HA	1:3N:388:GLU:OE1	2.18	0.44
1:4P:111:ASP:OD1	1:4P:111:ASP:C	2.60	0.44
1:5Q:201:ASP:OD2	1:5Q:343:SER:HB2	2.17	0.44
1:5R:355:SER:O	1:5R:356:PRO:C	2.61	0.44
1:6Q:331:SER:OG	1:6Q:332:VAL:N	2.51	0.44
1:6R:36:VAL:N	1:6R:37:PRO:CD	2.80	0.44
1:6R:160:GLU:OE1	1:6R:160:GLU:N	2.47	0.44
1:8M:36:VAL:N	1:8M:37:PRO:CD	2.81	0.44
1:8N:228:GLN:H	1:8N:228:GLN:CD	2.12	0.44
1:8R:447:GLN:OE1	2:8s:44:VAL:CG2	2.60	0.44
1:9C:407:ASN:CG	2:9H:45:LYS:HG2	2.41	0.44
1:1T:236:MET:HG2	1:1T:334:ARG:HB3	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1U:226:LEU:HA	1:1U:227:PRO:HD3	1.87	0.44
1:1W:18:TYR:O	1:1W:18:TYR:CG	2.70	0.44
1:1W:81:ASN:OD1	1:1W:81:ASN:C	2.60	0.44
1:1W:317:GLY:O	1:1W:318:LEU:HB2	2.17	0.44
1:1X:376:THR:OG1	1:1X:377:ASN:N	2.46	0.44
1:2P:26:ASN:HA	2:1x:52:LEU:HD12	1.99	0.44
1:2R:403:SER:C	2:2p:16:TYR:HH	2.18	0.44
1:2S:224:LEU:HD22	1:2S:337:ASN:HB3	2.00	0.44
1:3S:235:SER:O	1:3S:236:MET:CB	2.66	0.44
1:3U:443:SER:CA	2:3t:45:LYS:HZ1	2.28	0.44
1:3X:355:SER:CB	1:3X:356:PRO:HD3	2.48	0.44
1:4X:443:SER:CA	2:4l:56:ASN:ND2	2.78	0.44
1:5V:397:THR:OG1	1:5V:398:GLY:N	2.51	0.44
1:5W:36:VAL:N	1:5W:37:PRO:HD2	2.32	0.44
1:6V:252:ASP:O	1:6V:253:ALA:HB3	2.16	0.44
1:6W:30:ASP:OD1	1:6W:30:ASP:C	2.60	0.44
1:7P:447:GLN:CG	2:7s:42:VAL:CG1	2.96	0.44
1:7R:420:ILE:HB	1:7R:427:LYS:HB2	2.00	0.44
1:7S:393:GLY:N	2:7o:46:ASP:OD2	2.50	0.44
1:8S:145:GLN:NE2	1:8Y:110:TYR:OH	2.49	0.44
1:8W:82:PRO:O	1:8W:83:LEU:CB	2.65	0.44
1:1c:18:TYR:O	1:1c:18:TYR:CG	2.70	0.44
1:2U:36:VAL:N	1:2U:37:PRO:HD2	2.33	0.44
1:2V:58:GLN:OE1	1:2V:58:GLN:N	2.35	0.44
1:2Y:447:GLN:HA	2:2x:41:TYR:HE1	1.08	0.44
1:3a:438:ARG:HH11	1:3a:438:ARG:CG	2.27	0.44
1:3b:407:ASN:HB2	2:3w:44:VAL:O	2.18	0.44
1:4Z:203:PRO:CA	1:4Z:212:GLU:CG	2.76	0.44
1:4c:199:LYS:HG2	1:4c:202:GLU:CG	2.39	0.44
1:5d:446:ALA:HB2	2:5n:56:ASN:CG	2.41	0.44
1:6Z:447:GLN:O	2:6w:41:TYR:CD1	2.57	0.44
1:7V:19:ASP:OD2	1:7V:19:ASP:C	2.61	0.44
1:9E:60:ASP:O	1:9E:61:PHE:HB3	2.18	0.44
2:1g:281:LEU:N	2:3g:250:ALA:HB2	2.22	0.44
2:2b:57:MET:CE	2:4e:111:VAL:HG13	2.47	0.44
2:2b:239:THR:HA	2:4e:247:LYS:N	2.33	0.44
2:2c:170:LEU:HD13	2:4f:174:LEU:HD23	1.99	0.44
2:2c:228:ALA:HA	2:3l:223:ARG:HB3	1.53	0.44
2:2d:230:VAL:C	2:3k:229:GLY:HA3	2.41	0.44
2:2d:246:LYS:HD3	2:3k:239:THR:O	2.17	0.44
2:2d:280:SER:O	2:1k:250:ALA:HA	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3e:230:VAL:C	2:4e:229:GLY:CA	2.89	0.44
2:5e:270:ILE:HG22	2:5e:274:LYS:HE2	1.99	0.44
2:5f:41:TYR:OH	2:5f:57:MET:SD	2.76	0.44
2:5f:41:TYR:CZ	2:5f:57:MET:SD	3.08	0.44
2:5f:247:LYS:HB2	2:6v:238:THR:CA	2.48	0.44
2:6e:76:ASN:ND2	2:6e:116:LYS:CG	2.80	0.44
2:6e:125:ILE:HA	2:7g:120:ILE:HG13	1.99	0.44
2:6f:238:THR:CA	2:5h:247:LYS:HB2	2.48	0.44
2:6h:266:LEU:CD2	2:8j:265:ASP:HB2	2.48	0.44
2:7a:175:PHE:HE1	2:6v:184:LEU:HD13	1.82	0.44
2:8e:175:PHE:HA	2:9F:171:GLN:HE22	1.79	0.44
2:8e:176:SER:HB3	2:9F:164:ASN:OD1	2.18	0.44
2:9F:180:VAL:HG11	2:9O:184:LEU:HD23	1.98	0.44
2:1i:222:LEU:CD1	2:2e:226:ILE:HG22	2.47	0.44
2:2g:210:LEU:O	2:3i:201:VAL:HG13	2.18	0.44
2:2h:170:LEU:HD13	2:4h:174:LEU:HD23	1.99	0.44
2:2i:77:LEU:HD12	2:2i:110:LEU:CD1	2.46	0.44
2:3k:126:LYS:C	2:3k:126:LYS:CD	2.85	0.44
2:3l:270:ILE:HG22	2:3l:274:LYS:HE2	1.99	0.44
2:5g:173:LEU:O	2:6k:167:LYS:HG2	2.18	0.44
2:6i:76:ASN:ND2	2:6i:116:LYS:CG	2.80	0.44
2:6j:203:ASN:ND2	2:5j:212:GLY:HA3	2.33	0.44
2:6k:229:GLY:HA3	2:7e:230:VAL:C	2.43	0.44
2:6l:269:LEU:CD2	2:8p:269:LEU:HD21	2.47	0.44
2:8k:273:LEU:CB	2:9G:273:LEU:CD2	2.81	0.44
2:8m:223:ARG:CG	2:9H:226:ILE:C	2.80	0.44
2:8n:76:ASN:ND2	2:8n:116:LYS:CG	2.80	0.44
2:1o:180:VAL:HG11	2:3o:184:LEU:O	2.17	0.44
2:2l:219:LYS:HB3	2:3m:226:ILE:O	2.16	0.44
2:2m:270:ILE:HG22	2:2m:274:LYS:HE2	1.99	0.44
2:2n:219:LYS:HE2	2:3s:226:ILE:C	2.41	0.44
2:2n:246:LYS:HE2	2:3s:240:THR:C	2.43	0.44
2:3o:118:ILE:O	2:3o:118:ILE:HG23	2.18	0.44
2:5j:59:PRO:HG2	2:7k:59:PRO:O	2.17	0.44
2:5j:118:ILE:O	2:5j:118:ILE:HG23	2.18	0.44
2:7m:250:ALA:CA	2:8v:280:SER:C	2.72	0.44
2:7n:242:LEU:CD1	2:8r:234:LEU:HD23	2.47	0.44
2:8q:158[A]:ILE:HD11	2:9H:158[A]:ILE:HD11	1.99	0.44
2:8q:176:SER:HB3	2:9H:164:ASN:OD1	2.18	0.44
2:8s:59:PRO:CD	2:8w:61:ALA:HB2	2.47	0.44
2:8v:41:TYR:CZ	2:8v:57:MET:SD	3.08	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:200:LEU:CD2	2:4k:200:LEU:HD11	2.48	0.44
2:2r:158[B]:ILE:HA	2:4l:154:ALA:HB1	2.00	0.44
2:2r:273:LEU:HD21	2:4l:273:LEU:HD13	2.00	0.44
2:2s:269:LEU:HD11	2:3w:279:ILE:HD13	1.99	0.44
2:6q:125:ILE:HA	2:7v:120:ILE:HG13	1.99	0.44
2:6q:179:ASN:ND2	2:6q:192:ASN:HD22	2.11	0.44
2:6s:226:ILE:CD1	2:7o:222:LEU:HB3	2.47	0.44
2:6t:120:ILE:CD1	2:7r:120:ILE:HD11	2.29	0.44
2:8w:118:ILE:O	2:8w:118:ILE:HG23	2.18	0.44
2:8y:175:PHE:HZ	2:9J:175:PHE:CZ	2.34	0.44
2:9L:76:ASN:ND2	2:9L:116:LYS:CG	2.80	0.44
2:1u:270:ILE:HG22	2:1u:274:LYS:HE2	1.99	0.44
2:1v:41:TYR:OH	2:2u:111:VAL:HG11	2.18	0.44
2:1v:200:LEU:CD2	2:2u:200:LEU:HD11	2.47	0.44
2:2v:210:LEU:O	2:3u:201:VAL:HG13	2.18	0.44
2:3u:234:LEU:HD13	2:4m:234:LEU:CD1	2.48	0.44
2:3u:259:VAL:CG2	2:4m:259:VAL:HG22	2.42	0.44
2:3w:270:ILE:HG22	2:3w:274:LYS:HE2	1.99	0.44
2:5m:226:ILE:HD11	2:7t:226:ILE:HD13	1.90	0.44
2:7t:270:ILE:HG22	2:7t:274:LYS:HE2	1.99	0.44
2:7w:256:ALA:HB3	2:9R:263:VAL:HG22	1.89	0.44
2:7x:26:ASP:O	2:9N:73:VAL:HG21	2.17	0.44
2:9M:125:ILE:HG12	2:9J:120:ILE:CG1	2.48	0.44
2:9M:132:GLY:HA2	2:9J:135:LEU:O	2.16	0.44
2:9M:158[A]:ILE:HD11	2:9J:158[A]:ILE:HD11	1.99	0.44
2:9M:176:SER:HB3	2:9J:164:ASN:OD1	2.18	0.44
2:9M:177:ASP:OD1	2:9J:186:ALA:HB3	2.18	0.44
2:9O:163:THR:H	2:9O:166:ASN:ND2	2.09	0.44
1:1D:445:GLY:N	2:1h:44:VAL:HG23	2.32	0.44
1:1E:18:TYR:O	1:1E:18:TYR:CG	2.70	0.44
1:3B:388:GLU:HA	1:3B:388:GLU:OE1	2.18	0.44
1:3C:296:ASP:O	1:3C:297:LYS:CB	2.66	0.44
1:3F:355:SER:HB3	1:3F:356:PRO:CD	2.46	0.44
1:5A:227:PRO:HA	1:5A:241:ARG:HD3	1.99	0.44
1:5C:252:ASP:OD1	1:5C:252:ASP:C	2.57	0.44
1:7D:355:SER:O	1:7D:356:PRO:C	2.59	0.44
1:8E:21:VAL:O	1:8E:21:VAL:HG12	2.17	0.44
1:9A:407:ASN:HD21	2:9F:46:ASP:HB2	1.81	0.44
1:1L:19:ASP:OD1	1:1L:19:ASP:C	2.58	0.44
1:2I:224:LEU:HD22	1:2I:337:ASN:HB3	1.99	0.44
1:3G:269:ASN:OD1	1:3G:269:ASN:C	2.59	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3I:447:GLN:N	2:3I:44:VAL:HG23	2.32	0.44
1:4H:33:LYS:O	1:4H:34:SER:CB	2.65	0.44
1:4I:228:GLN:OE1	1:4I:228:GLN:N	2.29	0.44
1:5G:227:PRO:HA	1:5G:241:ARG:HD3	1.99	0.44
1:6H:355:SER:CB	1:6H:356:PRO:HD3	2.47	0.44
1:6L:355:SER:CB	1:6L:356:PRO:HD3	2.47	0.44
1:8H:447:GLN:HB3	2:8I:44:VAL:HG21	2.00	0.44
1:1N:241:ARG:C	1:1N:241:ARG:HD2	2.42	0.44
1:3M:419:ASP:OD1	1:3M:419:ASP:C	2.60	0.44
1:4O:217:MET:HE3	1:4O:217:MET:HB3	1.78	0.44
1:4R:54:ASN:OD1	1:4R:54:ASN:C	2.59	0.44
1:5R:265:ALA:O	1:5R:266:LYS:CB	2.66	0.44
1:6M:19:ASP:OD1	1:6M:19:ASP:C	2.59	0.44
1:6N:447:GLN:CD	2:6o:60:LEU:HD11	2.43	0.44
1:6P:54:ASN:OD1	1:6P:54:ASN:C	2.60	0.44
1:6P:170:ILE:O	1:6P:171:TYR:CB	2.66	0.44
1:6P:227:PRO:HG2	1:6Q:82:PRO:HG3	1.99	0.44
1:9C:228:GLN:OE1	1:9C:228:GLN:N	2.26	0.44
1:2R:382:LYS:NZ	2:2p:103:GLN:HE21	2.15	0.44
1:2T:19:ASP:OD1	1:2T:19:ASP:C	2.59	0.44
1:3S:428:LEU:HD12	1:3S:428:LEU:C	2.42	0.44
1:3U:203:PRO:HB3	1:3U:210:LEU:HA	2.00	0.44
1:6V:230:SER:HG	1:6V:233:TRP:CD1	2.35	0.44
1:6X:445:GLY:N	2:6q:45:LYS:HG2	2.28	0.44
1:7P:205:SER:OG	1:7P:206:SER:N	2.46	0.44
1:2Y:58:GLN:O	1:2Y:58:GLN:HG2	2.16	0.44
1:3b:64:SER:OG	1:3b:65:LEU:N	2.48	0.44
1:3d:19:ASP:OD1	1:3d:19:ASP:C	2.60	0.44
1:3d:156:TRP:O	1:3d:157:GLY:C	2.61	0.44
1:4Z:65:LEU:O	1:4Z:66:VAL:HB	2.18	0.44
1:4b:30:ASP:OD1	1:4b:30:ASP:C	2.59	0.44
1:5c:250:ILE:O	1:5c:251:ILE:HB	2.18	0.44
1:7W:202:GLU:HA	1:7W:343:SER:CB	2.46	0.44
1:7X:444:GLY:N	2:7t:45:LYS:NZ	2.66	0.44
1:8Y:36:VAL:N	1:8Y:37:PRO:CD	2.81	0.44
1:8b:445:GLY:N	2:9Q:45:LYS:CG	2.80	0.44
2:1g:132:GLY:CA	2:3g:135:LEU:O	2.65	0.44
2:1h:154:ALA:HB1	2:2t:158[B]:ILE:CD1	2.48	0.44
2:1h:270:ILE:HG22	2:1h:274:LYS:HE2	1.99	0.44
2:1h:270:ILE:CD1	2:2t:269:LEU:HD22	2.47	0.44
2:2Z:248:GLY:O	2:1l:280:SER:OG	2.31	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2a:19:LEU:N	2:2a:41:TYR:O	2.46	0.44
2:2b:57:MET:HE2	2:4e:111:VAL:HG13	2.00	0.44
2:2b:209:LEU:CD2	2:3e:209:LEU:CD2	2.95	0.44
2:2c:242:LEU:O	2:3l:234:LEU:HD22	2.15	0.44
2:2c:242:LEU:C	2:3l:234:LEU:HD11	2.43	0.44
2:3h:179:ASN:ND2	2:3h:192:ASN:HD22	2.11	0.44
2:3h:237:ALA:N	2:2w:242:LEU:CD2	2.58	0.44
2:3h:270:ILE:HG22	2:3h:274:LYS:HE2	1.99	0.44
2:4e:270:ILE:HG22	2:4e:274:LYS:HE2	1.99	0.44
2:4f:73:VAL:CG1	2:3l:28:ILE:HB	2.44	0.44
2:5f:226:ILE:O	2:7a:223:ARG:CG	2.64	0.44
2:6e:246:LYS:CE	2:8i:242:LEU:CD2	2.96	0.44
2:6e:269:LEU:CD1	2:8i:273:LEU:CD1	2.91	0.44
2:6f:212:GLY:HA3	2:7f:203:ASN:HD22	1.83	0.44
2:6h:234:LEU:HB2	2:7c:232:TYR:OH	2.18	0.44
2:8e:140:THR:C	2:9O:131:THR:OG1	2.61	0.44
2:8e:225:MET:CE	2:9F:212:GLY:C	2.80	0.44
2:8e:278:ILE:C	2:9F:248:GLY:H	2.24	0.44
2:8g:131:THR:OG1	2:8k:140:THR:C	2.61	0.44
2:1j:206:VAL:HG21	2:2f:209:LEU:O	2.16	0.44
2:1k:281:LEU:N	2:3k:250:ALA:HB2	2.22	0.44
2:2g:219:LYS:HB3	2:3i:226:ILE:O	2.16	0.44
2:2g:244:GLY:HA2	2:3i:243:GLY:N	2.29	0.44
2:2h:158[B]:ILE:HA	2:4h:154:ALA:HB1	2.00	0.44
2:2i:193:LYS:HG2	2:3o:200:LEU:C	2.43	0.44
2:2i:246:LYS:HE2	2:3o:240:THR:C	2.43	0.44
2:3k:76:ASN:ND2	2:3k:116:LYS:CG	2.80	0.44
2:5g:57:MET:HA	2:5g:57:MET:HE2	2.00	0.44
2:5g:97:TYR:OH	2:5g:111:VAL:HB	2.15	0.44
2:5g:120:ILE:HD11	2:7e:120:ILE:HD13	0.72	0.44
2:6j:219:LYS:CG	2:7k:225:MET:O	2.48	0.44
2:6j:223:ARG:CD	2:7k:227:GLY:O	2.66	0.44
2:6k:280:SER:OG	2:7e:247:LYS:CE	2.65	0.44
2:6l:251:VAL:HG11	2:7h:279:ILE:HD12	1.98	0.44
2:7h:139:ASN:OD1	2:8p:130:ASP:N	2.36	0.44
2:8k:150:GLU:OE1	2:9G:145:ARG:NH1	2.43	0.44
2:8k:158[A]:ILE:HD11	2:9G:158[A]:ILE:HD11	1.99	0.44
2:8k:278:ILE:C	2:9G:248:GLY:H	2.24	0.44
2:8m:38:ILE:CD1	2:8m:114:ARG:HH22	2.29	0.44
2:8m:41:TYR:CD2	2:8m:57:MET:HE1	2.48	0.44
2:8m:219:LYS:O	2:9H:226:ILE:C	2.54	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9G:53:THR:OG1	2:9G:54:GLN:N	2.51	0.44
2:1m:57:MET:HA	2:1m:57:MET:HE2	2.00	0.44
2:2n:193:LYS:HG2	2:3s:200:LEU:C	2.43	0.44
2:2n:269:LEU:HD11	2:3s:279:ILE:HD13	2.00	0.44
2:3m:230:VAL:C	2:4i:229:GLY:CA	2.88	0.44
2:3p:57:MET:HA	2:3p:57:MET:HE2	2.00	0.44
2:4i:97:TYR:OH	2:4i:111:VAL:HB	2.15	0.44
2:5j:228:ALA:CA	2:7k:229:GLY:O	2.62	0.44
2:6o:114:ARG:HG3	2:7j:114:ARG:HG3	2.00	0.44
2:6o:229:GLY:HA3	2:7j:230:VAL:C	2.43	0.44
2:8q:125:ILE:HG12	2:9H:120:ILE:CG1	2.48	0.44
2:8q:131:THR:HB	2:9H:138:ILE:HG23	1.98	0.44
2:8s:270:ILE:HG22	2:8s:274:LYS:HE2	1.99	0.44
2:1r:41:TYR:CZ	2:1r:57:MET:SD	3.08	0.44
2:1r:41:TYR:OH	2:2p:111:VAL:HG11	2.18	0.44
2:1s:179:ASN:ND2	2:1s:192:ASN:HD22	2.11	0.44
2:1t:118:ILE:O	2:1t:118:ILE:HG23	2.18	0.44
2:2o:219:LYS:CB	2:1x:226:ILE:C	2.88	0.44
2:2q:57:MET:CE	2:4k:111:VAL:HG13	2.47	0.44
2:2r:270:ILE:HG22	2:2r:274:LYS:HE2	1.99	0.44
2:3q:234:LEU:HD21	2:4k:243:GLY:CA	2.44	0.44
2:5l:239:THR:HG22	2:7p:247:LYS:C	2.42	0.44
2:6q:118:ILE:O	2:6q:118:ILE:HG23	2.18	0.44
2:6r:229:GLY:O	2:7u:228:ALA:HA	2.18	0.44
2:6r:270:ILE:HG22	2:6r:274:LYS:HE2	1.99	0.44
2:6t:210:LEU:HA	2:7r:206:VAL:HG11	1.99	0.44
2:8w:125:ILE:HG12	2:9I:120:ILE:CG1	2.48	0.44
2:8w:177:ASP:OD1	2:9I:186:ALA:HB3	2.18	0.44
2:8w:266:LEU:HB2	2:9I:266:LEU:HB2	1.87	0.44
2:9L:270:ILE:HG22	2:9L:274:LYS:HE2	1.99	0.44
2:1u:234:LEU:HD21	2:2t:242:LEU:O	2.18	0.44
2:1w:180:VAL:HG11	2:3w:184:LEU:O	2.17	0.44
2:2u:270:ILE:HG22	2:2u:274:LYS:HE2	1.99	0.44
2:2v:57:MET:HE2	2:4m:111:VAL:HG13	2.00	0.44
2:2v:226:ILE:HG22	2:4m:222:LEU:HD13	2.00	0.44
2:2v:239:THR:HA	2:4m:247:LYS:N	2.33	0.44
2:3u:231:PRO:HA	2:4m:229:GLY:HA3	2.00	0.44
2:3w:76:ASN:ND2	2:3w:116:LYS:CG	2.80	0.44
2:5n:215:THR:H	2:5n:218:ASN:HD22	1.64	0.44
2:6u:118:ILE:O	2:6u:118:ILE:HG23	2.18	0.44
2:6u:158[A]:ILE:CG1	2:9Q:158[A]:ILE:HD11	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6u:158[B]:ILE:HD12	2:9Q:158[B]:ILE:HG13	1.99	0.44
2:6x:234:LEU:HB2	2:7w:232:TYR:OH	2.18	0.44
2:6x:266:LEU:CD2	2:9R:265:ASP:HB2	2.48	0.44
2:9M:234:LEU:HD12	2:9J:234:LEU:HB2	1.81	0.44
2:9M:278:ILE:C	2:9J:248:GLY:H	2.24	0.44
1:1C:137:GLN:O	1:1C:137:GLN:CG	2.62	0.44
1:1E:6:ASN:OD1	1:1E:6:ASN:C	2.61	0.44
1:2B:307:HIS:HA	1:2B:325:HIS:O	2.17	0.44
1:2C:121:GLU:O	1:2C:122:ARG:HB2	2.18	0.44
1:3B:396:ILE:O	1:3B:396:ILE:CG2	2.66	0.44
1:3C:443:SER:CA	2:3h:45:LYS:NZ	2.81	0.44
1:3F:156:TRP:O	1:3F:157:GLY:C	2.61	0.44
1:4B:65:LEU:O	1:4B:66:VAL:HB	2.18	0.44
1:5C:236:MET:HG2	1:5C:334:ARG:HB3	2.00	0.44
1:5E:154:VAL:O	1:5E:155:SER:CB	2.65	0.44
1:6A:190:TYR:CD2	1:6A:190:TYR:C	2.96	0.44
1:7C:5:PHE:O	1:7C:6:ASN:HB2	2.18	0.44
1:7C:412:LEU:HB2	1:7C:435:VAL:HB	2.00	0.44
1:8E:82:PRO:O	1:8E:83:LEU:CB	2.65	0.44
1:1I:111:ASP:OD1	1:1I:111:ASP:C	2.59	0.44
1:2F:36:VAL:N	1:2F:37:PRO:HD2	2.33	0.44
1:2F:407:ASN:ND2	2:2h:46:ASP:O	2.49	0.44
1:3J:64:SER:OG	1:3J:65:LEU:N	2.49	0.44
1:3L:411:GLN:HG2	1:3L:411:GLN:O	2.16	0.44
1:4H:212:GLU:OE1	1:4H:216:LYS:HE2	2.18	0.44
1:4L:275:PHE:CD1	1:4L:275:PHE:C	2.95	0.44
1:5L:443:SER:O	2:5h:44:VAL:CG2	2.66	0.44
1:7I:355:SER:O	1:7I:356:PRO:C	2.59	0.44
1:8L:93:LEU:HD23	1:8L:93:LEU:N	2.33	0.44
1:9B:60:ASP:O	1:9B:61:PHE:HB3	2.18	0.44
1:1M:420:ILE:HB	1:1M:427:LYS:HB3	1.99	0.44
1:1M:446:ALA:CB	2:1m:19:LEU:CD1	2.93	0.44
1:1Q:317:GLY:O	1:1Q:318:LEU:HB2	2.17	0.44
1:3P:355:SER:O	1:3P:356:PRO:C	2.61	0.44
1:6Q:81:ASN:OD1	1:6Q:81:ASN:C	2.58	0.44
1:1S:110:TYR:HB3	1:1T:137:GLN:HG2	2.00	0.44
1:1U:392:THR:CG2	2:1s:107:LEU:HG	2.46	0.44
1:2P:202:GLU:C	1:2P:202:GLU:CD	2.85	0.44
1:3V:355:SER:O	1:3V:356:PRO:C	2.61	0.44
1:3W:314:ASN:OD1	1:3W:314:ASN:C	2.61	0.44
1:4S:258:GLU:HG2	1:4X:215:LYS:HD2	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6V:227:PRO:HG2	1:6W:82:PRO:HG3	1.99	0.44
1:6X:36:VAL:N	1:6X:37:PRO:CD	2.80	0.44
1:7Q:355:SER:HB3	1:7Q:356:PRO:CD	2.47	0.44
1:7R:412:LEU:HB2	1:7R:435:VAL:HB	2.00	0.44
1:8V:448:ALA:HB2	2:9K:41:TYR:CA	2.47	0.44
1:8X:202:GLU:O	1:8X:209:ALA:HB2	2.15	0.44
1:1Y:442:ALA:HB3	2:1u:45:LYS:CE	2.48	0.44
1:1a:443:SER:C	2:1w:45:LYS:HZ2	2.25	0.44
1:1c:6:ASN:OD1	1:1c:6:ASN:C	2.61	0.44
1:2U:202:GLU:CD	1:2U:202:GLU:C	2.85	0.44
1:3a:447:GLN:NE2	2:3x:44:VAL:HG21	2.24	0.44
1:4Y:111:ASP:OD1	1:4Y:111:ASP:C	2.61	0.44
1:4Z:387:VAL:O	1:4Z:387:VAL:HG13	2.18	0.44
1:5b:202:GLU:O	1:5b:209:ALA:HB1	2.18	0.44
1:5d:265:ALA:O	1:5d:266:LYS:CB	2.65	0.44
1:6Y:226:LEU:HA	1:6Y:227:PRO:HD3	1.86	0.44
1:6b:287:SER:OG	1:6b:288:THR:N	2.33	0.44
1:6c:111:ASP:O	1:6c:112:ALA:CB	2.65	0.44
1:7V:393:GLY:O	2:7v:16:TYR:HD1	2.01	0.44
1:7X:19:ASP:OD1	1:7X:19:ASP:C	2.59	0.44
1:7Y:448:ALA:HB2	2:7w:60:LEU:HG	1.95	0.44
1:8d:230:SER:OG	1:8d:231:ARG:N	2.50	0.44
2:1e:97:TYR:OH	2:1e:111:VAL:HB	2.15	0.44
2:1e:229:GLY:N	2:2Z:229:GLY:N	2.65	0.44
2:1e:246:LYS:C	2:2Z:239:THR:O	2.60	0.44
2:1f:110:LEU:HD12	2:1f:110:LEU:O	2.16	0.44
2:2Z:111:VAL:HG13	2:1l:57:MET:HE2	1.99	0.44
2:2a:200:LEU:CD2	2:3f:200:LEU:HD12	2.10	0.44
2:2b:200:LEU:CD2	2:4e:200:LEU:HD11	2.47	0.44
2:2b:223:ARG:HG2	2:3e:228:ALA:CB	2.32	0.44
2:2b:226:ILE:HG22	2:4e:222:LEU:HD13	2.00	0.44
2:2c:228:ALA:HA	2:3l:228:ALA:C	2.42	0.44
2:3e:215:THR:H	2:3e:218:ASN:HD22	1.64	0.44
2:3g:200:LEU:C	2:2x:193:LYS:HG2	2.43	0.44
2:5e:41:TYR:CD2	2:5e:57:MET:HE1	2.48	0.44
2:5e:259:VAL:HG22	2:6g:259:VAL:CG2	2.47	0.44
2:5f:212:GLY:HA3	2:6v:203:ASN:ND2	2.33	0.44
2:6f:226:ILE:CG2	2:5h:222:LEU:HB2	2.48	0.44
2:6f:229:GLY:O	2:7f:228:ALA:HA	2.18	0.44
2:6f:234:LEU:HD23	2:7f:242:LEU:C	2.43	0.44
2:6g:228:ALA:HA	2:7Z:223:ARG:CG	2.45	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:229:GLY:HA3	2:7Z:230:VAL:C	2.43	0.44
2:6h:234:LEU:HD21	2:7c:243:GLY:CA	2.48	0.44
2:7Z:270:ILE:HG22	2:7Z:274:LYS:HE2	1.99	0.44
2:7a:242:LEU:CD2	2:6v:244:GLY:C	2.89	0.44
2:8e:280:SER:C	2:9F:250:ALA:HA	2.42	0.44
2:8h:76:ASN:ND2	2:8h:116:LYS:CG	2.80	0.44
2:9F:175:PHE:HZ	2:9O:175:PHE:CZ	2.33	0.44
2:9F:201:VAL:CG2	2:9O:210:LEU:HD22	2.47	0.44
2:1j:179:ASN:ND2	2:1j:192:ASN:HD22	2.11	0.44
2:1k:199:LEU:O	2:3k:193:LYS:CG	2.64	0.44
2:2f:77:LEU:HD12	2:2f:110:LEU:CD1	2.46	0.44
2:2h:201:VAL:HA	2:3p:197:GLN:CD	2.43	0.44
2:2h:215:THR:H	2:2h:218:ASN:HD22	1.64	0.44
2:2i:214:PRO:HD2	2:3o:225:MET:HG3	1.99	0.44
2:5g:259:VAL:CG2	2:6k:259:VAL:HG23	2.48	0.44
2:5h:163:THR:H	2:5h:166:ASN:ND2	2.09	0.44
2:5h:200:LEU:HD22	2:7f:200:LEU:CD1	2.48	0.44
2:6i:118:ILE:O	2:6i:118:ILE:HG23	2.18	0.44
2:6j:38:ILE:CD1	2:6j:114:ARG:HH22	2.29	0.44
2:6j:234:LEU:HD21	2:7k:243:GLY:CA	2.47	0.44
2:7e:270:ILE:HG22	2:7e:274:LYS:HE2	1.99	0.44
2:7h:232:TYR:HD2	2:8p:232:TYR:CG	2.36	0.44
2:8k:279:ILE:HB	2:9G:272:VAL:HG11	1.93	0.44
2:8k:280:SER:C	2:9G:250:ALA:HA	2.42	0.44
2:8m:131:THR:HG1	2:8q:141:PRO:HD3	1.75	0.44
2:8m:196:LEU:HB3	2:9H:200:LEU:CD2	2.47	0.44
2:9G:270:ILE:HG22	2:9G:274:LYS:HE2	1.99	0.44
2:1m:223:ARG:CA	2:2j:226:ILE:HD12	2.42	0.44
2:2j:219:LYS:CG	2:1t:226:ILE:HA	2.44	0.44
2:2j:270:ILE:HG22	2:2j:274:LYS:HE2	1.99	0.44
2:2l:197:GLN:CG	2:3m:200:LEU:O	2.63	0.44
2:2m:175:PHE:CE1	2:3t:175:PHE:CE2	3.06	0.44
2:2n:26:ASP:OD1	2:1s:72:LYS:NZ	2.46	0.44
2:2n:53:THR:OG1	2:2n:54:GLN:N	2.51	0.44
2:3n:270:ILE:HG22	2:3n:274:LYS:HE2	1.99	0.44
2:3p:270:ILE:HG22	2:3p:274:LYS:HE2	1.99	0.44
2:5i:149[B]:ILE:HG23	2:6o:158[B]:ILE:HG22	1.98	0.44
2:6o:110:LEU:HD12	2:6o:110:LEU:O	2.16	0.44
2:6p:120:ILE:HD13	2:7m:120:ILE:HG21	1.99	0.44
2:6p:210:LEU:HA	2:7m:206:VAL:HG11	1.99	0.44
2:6p:234:LEU:HD21	2:7m:243:GLY:CA	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7j:270:ILE:HG22	2:7j:274:LYS:HE2	1.99	0.44
2:7m:145:ARG:HD3	2:8v:149[A]:ILE:HA	1.98	0.44
2:7m:272:VAL:HG11	2:8v:279:ILE:HG21	1.98	0.44
2:8t:251:VAL:HG13	2:8x:279:ILE:CD1	2.42	0.44
2:1q:242:LEU:HD23	2:1x:246:LYS:N	2.28	0.44
2:1q:247:LYS:HE3	2:2o:280:SER:OG	2.15	0.44
2:1s:41:TYR:CD2	2:1s:57:MET:HE1	2.48	0.44
2:1s:270:ILE:CB	2:3s:251:VAL:CG2	2.85	0.44
2:2s:184:LEU:HD23	2:3w:180:VAL:HG13	2.00	0.44
2:2s:209:LEU:HD21	2:3w:209:LEU:HD22	1.91	0.44
2:2s:246:LYS:HE2	2:3w:240:THR:C	2.43	0.44
2:3t:270:ILE:HG22	2:3t:274:LYS:HE2	1.99	0.44
2:4k:38:ILE:CD1	2:4k:114:ARG:HH22	2.29	0.44
2:5k:97:TYR:OH	2:5k:111:VAL:HB	2.15	0.44
2:6r:203:ASN:ND2	2:5n:212:GLY:HA3	2.33	0.44
2:6s:126:LYS:N	2:7o:120:ILE:O	2.47	0.44
2:6t:179:ASN:ND2	2:6t:192:ASN:HD22	2.11	0.44
2:6t:269:LEU:CD2	2:9L:269:LEU:HD21	2.47	0.44
2:8w:234:LEU:HD12	2:9I:234:LEU:HD22	1.74	0.44
2:8x:57:MET:HE2	2:8x:57:MET:HA	2.00	0.44
2:8y:97:TYR:OH	2:8y:111:VAL:HB	2.15	0.44
2:8y:131:THR:CB	2:9M:140:THR:C	2.91	0.44
2:8z:118:ILE:O	2:8z:118:ILE:HG23	2.18	0.44
2:9K:118:ILE:CD1	2:9K:118:ILE:N	2.73	0.44
2:1v:114:ARG:HB2	2:2u:114:ARG:HD2	1.99	0.44
2:1v:227:GLY:HA3	2:2u:223:ARG:HH11	1.83	0.44
2:2v:270:ILE:HG22	2:2v:274:LYS:HE2	1.99	0.44
2:2w:53:THR:OG1	2:2w:54:GLN:N	2.51	0.44
2:5m:259:VAL:HG21	2:6w:259:VAL:H	1.78	0.44
2:5n:239:THR:HA	2:7u:247:LYS:N	2.32	0.44
2:6u:76:ASN:ND2	2:6u:116:LYS:CG	2.80	0.44
2:6x:38:ILE:CD1	2:6x:114:ARG:HH22	2.29	0.44
2:7u:53:THR:OG1	2:7u:54:GLN:N	2.51	0.44
2:9M:76:ASN:ND2	2:9M:116:LYS:CG	2.80	0.44
2:9O:179:ASN:ND2	2:9O:192:ASN:HD22	2.11	0.44
1:1B:236:MET:HG2	1:1B:334:ARG:HB3	1.99	0.44
1:3B:54:ASN:OD1	1:3B:54:ASN:C	2.60	0.44
1:3D:63:THR:O	1:3D:63:THR:CG2	2.60	0.44
1:3E:200:ILE:HG22	1:3E:216:LYS:CD	2.47	0.44
1:4A:190:TYR:CD2	1:4A:190:TYR:C	2.96	0.44
1:4B:203:PRO:CA	1:4B:212:GLU:CD	2.86	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6E:245:GLU:H	1:6E:245:GLU:CD	2.13	0.44
1:8D:111:ASP:OD1	1:8D:111:ASP:C	2.61	0.44
1:8F:230:SER:OG	1:8F:231:ARG:N	2.50	0.44
1:1I:200:ILE:HG22	1:1I:216:LYS:HD2	1.97	0.44
1:1J:404:VAL:O	1:1J:405:SER:HB3	2.17	0.44
1:3I:408:GLU:CG	1:3I:437:ILE:HD11	2.47	0.44
1:4G:202:GLU:HG2	1:4G:343:SER:OG	2.18	0.44
1:4H:19:ASP:OD1	1:4H:19:ASP:C	2.60	0.44
1:4L:96:THR:HA	1:4L:132:HIS:O	2.17	0.44
1:5H:19:ASP:O	1:5H:20:ILE:C	2.61	0.44
1:5J:111:ASP:OD1	1:5J:111:ASP:C	2.60	0.44
1:5K:154:VAL:O	1:5K:155:SER:CB	2.65	0.44
1:5K:412:LEU:HB2	1:5K:435:VAL:HB	2.00	0.44
1:7F:271:ASN:OD1	1:7F:271:ASN:C	2.61	0.44
1:7G:19:ASP:OD2	1:7G:19:ASP:C	2.61	0.44
1:7H:202:GLU:HA	1:7H:343:SER:CB	2.46	0.44
1:2K:448:ALA:HA	2:2m:63:TRP:CZ2	2.53	0.44
1:2M:30:ASP:OD1	1:2M:30:ASP:C	2.59	0.44
1:2M:121:GLU:O	1:2M:122:ARG:HB2	2.18	0.44
1:2N:227:PRO:O	1:2N:228:GLN:CB	2.65	0.44
1:3M:428:LEU:HD12	1:3M:428:LEU:C	2.42	0.44
1:3O:217:MET:HE3	1:3O:217:MET:HB3	1.93	0.44
1:4N:212:GLU:OE1	1:4N:216:LYS:HE2	2.18	0.44
1:5N:14:ILE:O	1:5N:14:ILE:HG22	2.16	0.44
1:5O:286:ALA:HA	1:5P:31:ASN:HB3	1.99	0.44
1:5O:334:ARG:O	1:5O:335:PHE:HB2	2.18	0.44
1:6R:232:ASP:OD1	1:6R:232:ASP:N	2.50	0.44
1:7N:446:ALA:O	2:7j:55:VAL:HA	2.18	0.44
1:8R:447:GLN:HG2	2:8s:42:VAL:HG13	1.93	0.44
1:2P:36:VAL:N	1:2P:37:PRO:HD2	2.33	0.44
1:2R:19:ASP:OD1	1:2R:19:ASP:C	2.61	0.44
1:2S:139:PHE:CD1	1:2S:139:PHE:O	2.71	0.44
1:3S:19:ASP:OD1	1:3S:19:ASP:C	2.59	0.44
1:5T:215:LYS:HD2	1:5U:258:GLU:HG2	2.00	0.44
1:6U:406:GLY:O	1:6U:407:ASN:HB3	2.17	0.44
1:8X:230:SER:OG	1:8X:231:ARG:N	2.50	0.44
1:1Y:36:VAL:HB	1:1Y:37:PRO:HD3	1.99	0.44
1:1Y:420:ILE:O	1:1Y:427:LYS:N	2.29	0.44
1:1b:245:GLU:OE1	1:1b:245:GLU:N	2.32	0.44
1:2X:224:LEU:HD22	1:2X:337:ASN:HB3	2.00	0.44
1:2X:355:SER:HB3	1:2X:356:PRO:HD3	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2Y:54:ASN:OD1	1:2Y:54:ASN:C	2.61	0.44
1:3d:448:ALA:HA	2:3u:41:TYR:HD1	1.83	0.44
1:4Z:212:GLU:OE1	1:4Z:216:LYS:HE2	2.18	0.44
1:4a:28:GLN:CD	1:4a:28:GLN:C	2.86	0.44
1:4c:200:ILE:HD13	1:4c:341:PHE:HB3	1.98	0.44
1:4d:275:PHE:CD1	1:4d:275:PHE:C	2.95	0.44
1:5Z:437:ILE:O	1:5Z:438:ARG:HB2	2.18	0.44
1:5a:236:MET:HG2	1:5a:334:ARG:HB3	2.00	0.44
1:6Y:425:LYS:O	1:6Y:425:LYS:CG	2.65	0.44
1:7U:425:LYS:O	1:7U:426:PRO:C	2.61	0.44
1:7W:5:PHE:O	1:7W:6:ASN:HB2	2.17	0.44
1:8d:226:LEU:HA	1:8d:227:PRO:HD3	1.86	0.44
2:1e:234:LEU:HD21	2:2Z:242:LEU:O	2.18	0.44
2:1g:278:ILE:HG22	2:3g:278:ILE:HD12	1.91	0.44
2:2a:228:ALA:HA	2:3f:223:ARG:HD2	1.36	0.44
2:2c:273:LEU:HD21	2:4f:273:LEU:HD13	2.00	0.44
2:3g:118:ILE:O	2:3g:118:ILE:HG23	2.18	0.44
2:5e:223:ARG:HG2	2:7Z:226:ILE:O	2.17	0.44
2:5f:200:LEU:HD22	2:7a:200:LEU:CD1	2.48	0.44
2:6f:201:VAL:HA	2:5h:197:GLN:NE2	2.32	0.44
2:6f:203:ASN:ND2	2:5h:212:GLY:HA3	2.33	0.44
2:6f:236:ALA:HA	2:7f:242:LEU:HD13	1.99	0.44
2:6h:28:ILE:HD12	2:8j:99:VAL:HA	2.00	0.44
2:6h:41:TYR:CD2	2:6h:57:MET:HE1	2.48	0.44
2:6h:219:LYS:HB3	2:7c:226:ILE:O	2.17	0.44
2:7Z:53:THR:OG1	2:7Z:54:GLN:N	2.51	0.44
2:7b:141:PRO:HB2	2:6u:150:GLU:OE1	2.17	0.44
2:7b:179:ASN:ND2	2:7b:192:ASN:HD22	2.11	0.44
2:7d:242:LEU:HD13	2:8f:234:LEU:CD2	2.47	0.44
2:8e:76:ASN:ND2	2:8e:116:LYS:CG	2.80	0.44
2:8e:111:VAL:HG13	2:9O:57:MET:SD	2.58	0.44
2:8g:209:LEU:HD11	2:9G:222:LEU:CD2	2.45	0.44
2:8g:223:ARG:HD2	2:9G:228:ALA:HA	1.21	0.44
2:8g:245:VAL:O	2:9G:241:THR:O	2.35	0.44
2:9F:179:ASN:ND2	2:9F:192:ASN:HD22	2.11	0.44
2:9F:239:THR:O	2:9O:246:LYS:CG	2.60	0.44
2:2f:174:LEU:CD2	2:3j:174:LEU:HD11	2.48	0.44
2:2h:120:ILE:CD1	2:3p:120:ILE:CD1	2.68	0.44
2:2i:154:ALA:HB1	2:1o:158[B]:ILE:CD1	2.47	0.44
2:4h:118:ILE:O	2:4h:118:ILE:HG23	2.18	0.44
2:5h:28:ILE:HG13	2:7f:73:VAL:HG12	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:76:ASN:ND2	2:5h:116:LYS:CG	2.80	0.44
2:6i:73:VAL:O	2:8o:23:GLN:NE2	2.49	0.44
2:6i:270:ILE:HG22	2:6i:274:LYS:HE2	1.99	0.44
2:6j:183:PHE:HZ	2:7k:196:LEU:HD22	1.82	0.44
2:6j:234:LEU:HD23	2:7k:242:LEU:C	2.43	0.44
2:6k:226:ILE:CA	2:7e:219:LYS:HA	2.44	0.44
2:7e:19:LEU:N	2:7e:41:TYR:O	2.46	0.44
2:7i:57:MET:HE2	2:8l:111:VAL:CG2	2.45	0.44
2:8k:125:ILE:HG12	2:9G:120:ILE:CG1	2.48	0.44
2:8k:270:ILE:N	2:9G:269:LEU:HD22	2.06	0.44
2:8m:234:LEU:CD2	2:9H:242:LEU:CA	2.93	0.44
2:8n:118:ILE:O	2:8n:118:ILE:HG23	2.18	0.44
2:8p:41:TYR:CZ	2:8p:57:MET:SD	3.08	0.44
2:1n:41:TYR:OH	2:2k:111:VAL:HG11	2.18	0.44
2:1n:236:ALA:HA	2:3n:242:LEU:HD11	1.99	0.44
2:1o:263:VAL:HG22	2:3o:256:ALA:HB3	1.66	0.44
2:2j:230:VAL:HG12	2:1t:227:GLY:O	2.18	0.44
2:2j:269:LEU:HD22	2:1t:270:ILE:CD1	2.47	0.44
2:2l:226:ILE:HG22	2:4i:222:LEU:HD13	2.00	0.44
2:2l:246:LYS:HG2	2:3m:240:THR:C	2.43	0.44
2:2l:246:LYS:NZ	2:3m:240:THR:O	2.47	0.44
2:4i:270:ILE:HG22	2:4i:274:LYS:HE2	1.99	0.44
2:5i:259:VAL:HG22	2:6o:259:VAL:CG2	2.47	0.44
2:6n:122:VAL:N	2:7p:127:ASP:OD1	2.41	0.44
2:6n:203:ASN:ND2	2:5l:212:GLY:HA3	2.33	0.44
2:6n:242:LEU:HD23	2:5l:245:VAL:HA	2.00	0.44
2:6o:126:LYS:N	2:7j:120:ILE:O	2.47	0.44
2:6p:250:ALA:HA	2:7m:280:SER:O	2.18	0.44
2:8q:158[A]:ILE:HD11	2:9H:158[A]:ILE:CD1	2.48	0.44
2:8s:57:MET:SD	2:8w:111:VAL:HG13	2.58	0.44
2:8u:97:TYR:OH	2:8u:111:VAL:HB	2.15	0.44
2:8u:99:VAL:CG1	2:7q:28:ILE:HD11	2.37	0.44
2:8v:41:TYR:OH	2:8v:57:MET:SD	2.76	0.44
2:1q:234:LEU:HG	2:2o:242:LEU:HD12	2.00	0.44
2:1r:76:ASN:ND2	2:1r:116:LYS:CG	2.80	0.44
2:1r:118:ILE:O	2:1r:118:ILE:HG23	2.18	0.44
2:1r:227:GLY:HA3	2:2p:223:ARG:HH11	1.83	0.44
2:1r:239:THR:HA	2:2p:247:LYS:O	2.17	0.44
2:1s:154:ALA:HB1	2:3s:158[B]:ILE:CD1	2.44	0.44
2:2q:57:MET:HE2	2:4k:111:VAL:HG13	2.00	0.44
2:2q:210:LEU:O	2:3q:201:VAL:HG13	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2q:246:LYS:NZ	2:3q:240:THR:O	2.48	0.44
2:2r:158[B]:ILE:HA	2:4l:154:ALA:CB	2.48	0.44
2:2s:23:GLN:NE2	2:1w:74:GLY:C	2.76	0.44
2:2s:111:VAL:HG13	2:3w:57:MET:HE2	1.99	0.44
2:3q:118:ILE:O	2:3q:118:ILE:HG23	2.18	0.44
2:3s:270:ILE:HG22	2:3s:274:LYS:HE2	1.99	0.44
2:4k:97:TYR:OH	2:4k:111:VAL:HB	2.15	0.44
2:4k:270:ILE:HG22	2:4k:274:LYS:HE2	1.99	0.44
2:5l:76:ASN:ND2	2:5l:116:LYS:CG	2.80	0.44
2:6r:209:LEU:CD1	2:7u:225:MET:SD	2.98	0.44
2:6r:242:LEU:HD23	2:5n:245:VAL:HA	2.00	0.44
2:8w:238:THR:C	2:9l:246:LYS:HB3	2.43	0.44
2:8y:59:PRO:CD	2:9M:61:ALA:HB2	2.47	0.44
2:8y:184:LEU:CD2	2:9J:180:VAL:HG11	2.48	0.44
2:8y:245:VAL:O	2:9J:241:THR:O	2.35	0.44
2:8z:226:ILE:CD1	2:7x:226:ILE:HD13	2.45	0.44
2:9L:41:TYR:OH	2:9L:57:MET:SD	2.76	0.44
2:1v:239:THR:N	2:2u:247:LYS:CB	2.78	0.44
2:1w:38:ILE:CD1	2:1w:114:ARG:HH22	2.29	0.44
2:1x:118:ILE:O	2:1x:118:ILE:HG23	2.18	0.44
2:3v:270:ILE:HG22	2:3v:274:LYS:HE2	1.99	0.44
2:4m:179:ASN:ND2	2:4m:192:ASN:HD22	2.11	0.44
2:5m:149[B]:ILE:HG23	2:6w:158[B]:ILE:HG22	1.98	0.44
2:6w:118:ILE:O	2:6w:118:ILE:HG23	2.18	0.44
2:6w:279:ILE:HG22	2:7t:273:LEU:HD23	1.98	0.44
2:7w:270:ILE:HG22	2:7w:274:LYS:HE2	1.99	0.44
1:1D:393:GLY:HA2	2:1h:107:LEU:CD1	2.48	0.43
1:2D:227:PRO:O	1:2D:228:GLN:CB	2.65	0.43
1:3B:205:SER:OG	1:3B:206:SER:N	2.51	0.43
1:3F:111:ASP:OD1	1:3F:111:ASP:C	2.57	0.43
1:4B:33:LYS:O	1:4B:34:SER:CB	2.65	0.43
1:4D:111:ASP:OD1	1:4D:111:ASP:C	2.60	0.43
1:5D:391:SER:OG	1:5D:392:THR:N	2.50	0.43
1:5F:36:VAL:N	1:5F:37:PRO:HD2	2.33	0.43
1:6D:170:ILE:O	1:6D:171:TYR:CB	2.66	0.43
1:2I:314:ASN:OD1	1:2I:314:ASN:C	2.59	0.43
1:3H:19:ASP:OD1	1:3H:19:ASP:C	2.61	0.43
1:3I:296:ASP:O	1:3I:297:LYS:CB	2.66	0.43
1:3J:355:SER:CB	1:3J:356:PRO:CD	2.96	0.43
1:4G:111:ASP:OD1	1:4G:111:ASP:C	2.61	0.43
1:4G:258:GLU:HG2	1:4L:215:LYS:HD2	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4I:19:ASP:OD1	1:4I:19:ASP:C	2.61	0.43
1:6G:19:ASP:OD1	1:6G:19:ASP:C	2.58	0.43
1:6G:202:GLU:HA	1:6G:203:PRO:HD3	1.56	0.43
1:6L:119:VAL:O	1:6L:120:PHE:HB2	2.18	0.43
1:9B:355:SER:CB	1:9B:356:PRO:HD3	2.47	0.43
1:1O:200:ILE:HG22	1:1O:216:LYS:HD3	1.99	0.43
1:3O:408:GLU:CG	1:3O:437:ILE:HD11	2.47	0.43
1:4Q:140:TYR:CD1	1:4Q:140:TYR:N	2.86	0.43
1:5M:111:ASP:OD1	1:5M:111:ASP:C	2.57	0.43
1:5N:215:LYS:HD2	1:5O:258:GLU:HG2	2.00	0.43
1:6P:119:VAL:O	1:6P:120:PHE:CB	2.66	0.43
1:6P:230:SER:HG	1:6P:233:TRP:CD1	2.35	0.43
1:8O:393:GLY:HA2	2:8v:107:LEU:HD12	1.99	0.43
1:1S:36:VAL:HB	1:1S:37:PRO:HD3	1.99	0.43
1:1W:18:TYR:O	1:1W:18:TYR:CD1	2.70	0.43
1:3V:355:SER:CB	1:3V:356:PRO:CD	2.96	0.43
1:3X:81:ASN:OD1	1:3X:81:ASN:C	2.61	0.43
1:4U:28:GLN:CD	1:4U:28:GLN:C	2.86	0.43
1:4X:110:TYR:CG	1:4X:111:ASP:N	2.86	0.43
1:5U:334:ARG:O	1:5U:335:PHE:HB2	2.18	0.43
1:6X:119:VAL:O	1:6X:120:PHE:HB2	2.18	0.43
1:7T:245:GLU:OE1	1:7T:245:GLU:N	2.35	0.43
1:8T:205:SER:OG	1:8T:206:SER:N	2.50	0.43
1:9D:60:ASP:O	1:9D:61:PHE:HB3	2.18	0.43
1:2V:245:GLU:OE1	1:2V:245:GLU:N	2.29	0.43
1:2X:356:PRO:HG2	1:2X:369:PHE:CD2	2.53	0.43
1:3Z:396:ILE:O	1:3Z:396:ILE:CG2	2.66	0.43
1:3c:319:TYR:CD1	1:3c:319:TYR:C	2.96	0.43
1:4d:111:ASP:OD1	1:4d:111:ASP:C	2.61	0.43
1:5a:77:VAL:O	1:5a:77:VAL:HG13	2.18	0.43
1:5d:30:ASP:OD1	1:5d:30:ASP:C	2.56	0.43
1:6d:314:ASN:OD1	1:6d:314:ASN:C	2.61	0.43
1:7U:19:ASP:OD1	1:7U:19:ASP:C	2.59	0.43
1:7W:38:LEU:O	1:7W:39:ALA:HB3	2.18	0.43
1:7Y:103:ASP:HB3	1:7Y:238:VAL:HG13	1.98	0.43
2:1f:228:ALA:HB1	2:3f:228:ALA:CA	2.34	0.43
2:1h:227:GLY:O	2:2t:230:VAL:HG12	2.18	0.43
2:2Z:230:VAL:HG12	2:1l:227:GLY:O	2.18	0.43
2:2b:246:LYS:HG2	2:3e:240:THR:C	2.43	0.43
2:2c:158[B]:ILE:CG2	2:4f:149[B]:ILE:HG23	2.48	0.43
2:2c:180:VAL:HG11	2:3l:184:LEU:HD23	1.98	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:23:GLN:NE2	2:1k:74:GLY:C	2.76	0.43
2:2d:111:VAL:HG13	2:3k:57:MET:HE2	1.99	0.43
2:3e:259:VAL:HG23	2:4e:259:VAL:HG21	2.00	0.43
2:3f:38:ILE:CD1	2:3f:114:ARG:HH22	2.29	0.43
2:3g:76:ASN:ND2	2:3g:116:LYS:CG	2.80	0.43
2:3g:179:ASN:ND2	2:3g:192:ASN:HD22	2.11	0.43
2:5e:259:VAL:HG21	2:6g:259:VAL:H	1.78	0.43
2:5f:222:LEU:HB2	2:6v:226:ILE:CG2	2.48	0.43
2:6e:246:LYS:CE	2:8i:242:LEU:HG	2.47	0.43
2:6f:210:LEU:HD22	2:7f:201:VAL:HG21	2.00	0.43
2:6h:120:ILE:CD1	2:8j:120:ILE:HD13	2.48	0.43
2:7a:201:VAL:HG21	2:6v:210:LEU:HD22	2.00	0.43
2:7c:232:TYR:HD2	2:8j:232:TYR:CG	2.36	0.43
2:8g:219:LYS:O	2:9G:226:ILE:C	2.54	0.43
2:8j:118:ILE:O	2:8j:118:ILE:HG23	2.18	0.43
2:9F:53:THR:OG1	2:9F:54:GLN:N	2.51	0.43
2:9F:180:VAL:HG11	2:9O:184:LEU:CD2	2.48	0.43
2:9F:270:ILE:HG22	2:9F:274:LYS:HE2	1.99	0.43
2:1j:118:ILE:O	2:1j:118:ILE:HG23	2.18	0.43
2:1j:270:ILE:HG22	2:1j:274:LYS:HE2	1.99	0.43
2:1l:118:ILE:O	2:1l:118:ILE:HG23	2.18	0.43
2:2e:230:VAL:HG12	2:1p:227:GLY:O	2.18	0.43
2:2e:269:LEU:HD22	2:1p:270:ILE:CD1	2.47	0.43
2:2g:226:ILE:HG22	2:4g:222:LEU:HD13	2.00	0.43
2:2h:53:THR:OG1	2:2h:54:GLN:N	2.51	0.43
2:3i:41:TYR:CZ	2:3i:57:MET:SD	3.08	0.43
2:5g:138:ILE:O	2:7e:129:GLY:HA3	2.18	0.43
2:5g:223:ARG:HG2	2:7e:226:ILE:O	2.17	0.43
2:6i:247:LYS:CE	2:8o:277:GLY:HA2	2.46	0.43
2:6j:200:LEU:CD1	2:7k:200:LEU:CD1	2.93	0.43
2:6k:228:ALA:N	2:7e:223:ARG:CD	2.64	0.43
2:8k:227:GLY:HA3	2:9G:219:LYS:HZ3	1.83	0.43
2:8k:240:THR:HA	2:9G:246:LYS:NZ	2.20	0.43
2:8m:57:MET:HE2	2:8m:57:MET:HA	2.00	0.43
2:8m:59:PRO:CD	2:8q:61:ALA:HB2	2.47	0.43
2:8p:41:TYR:OH	2:8p:57:MET:SD	2.76	0.43
2:1m:28:ILE:HG13	2:1t:73:VAL:HG12	1.99	0.43
2:2j:222:LEU:HB2	2:1t:226:ILE:CG2	2.48	0.43
2:2k:77:LEU:HD12	2:2k:110:LEU:CD1	2.46	0.43
2:2k:243:GLY:H	2:3n:244:GLY:CA	2.26	0.43
2:2l:210:LEU:O	2:3m:201:VAL:HG13	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:158[B]:ILE:HA	2:4j:154:ALA:HB1	2.00	0.43
2:2m:203:ASN:ND2	2:3t:212:GLY:N	2.58	0.43
2:2m:242:LEU:O	2:3t:234:LEU:HD22	2.15	0.43
2:4j:126:LYS:C	2:4j:126:LYS:CD	2.85	0.43
2:5j:239:THR:HA	2:7k:247:LYS:N	2.32	0.43
2:6m:158[B]:ILE:HD12	2:8u:158[B]:ILE:HG13	1.99	0.43
2:6n:223:ARG:CD	2:7p:227:GLY:O	2.66	0.43
2:6o:114:ARG:CB	2:7j:114:ARG:HD2	2.41	0.43
2:6o:240:THR:CA	2:7j:246:LYS:CD	2.85	0.43
2:6p:120:ILE:CD1	2:8v:120:ILE:HD13	2.48	0.43
2:6p:199:LEU:O	2:8v:188:THR:OG1	2.35	0.43
2:7n:26:ASP:O	2:8r:73:VAL:HG21	2.17	0.43
2:8s:179:ASN:ND2	2:8s:192:ASN:HD22	2.11	0.43
2:1q:28:ILE:HG13	2:1x:73:VAL:HG12	1.99	0.43
2:2o:77:LEU:HD11	2:2o:110:LEU:CD2	2.28	0.43
2:2q:244:GLY:O	2:3q:242:LEU:HD23	2.14	0.43
2:2r:175:PHE:CE1	2:3x:175:PHE:CE2	3.05	0.43
2:2r:206:VAL:HG21	2:3x:209:LEU:O	2.15	0.43
2:2r:228:ALA:CB	2:3x:223:ARG:CB	2.94	0.43
2:5k:138:ILE:O	2:7o:129:GLY:HA3	2.18	0.43
2:5l:200:LEU:HD22	2:7p:200:LEU:CD1	2.48	0.43
2:5l:239:THR:HG23	2:7p:247:LYS:HB3	2.00	0.43
2:6r:183:PHE:HZ	2:7u:196:LEU:HD22	1.82	0.43
2:6r:226:ILE:CG2	2:5n:222:LEU:HB2	2.48	0.43
2:6s:114:ARG:HG3	2:7o:114:ARG:HG3	2.00	0.43
2:6t:219:LYS:HB3	2:7r:226:ILE:O	2.17	0.43
2:6t:266:LEU:CD2	2:9L:265:ASP:HB2	2.48	0.43
2:7s:270:ILE:HG22	2:7s:274:LYS:HE2	1.99	0.43
2:8w:41:TYR:CZ	2:8w:57:MET:SD	3.08	0.43
2:8w:267:ASN:ND2	2:9I:254:SER:CB	2.39	0.43
2:8y:223:ARG:CG	2:9J:226:ILE:HG13	2.47	0.43
2:8y:246:LYS:CG	2:9J:240:THR:HA	2.47	0.43
2:9I:270:ILE:HG22	2:9I:274:LYS:HE2	1.99	0.43
2:1v:118:ILE:O	2:1v:118:ILE:HG23	2.18	0.43
2:2t:270:ILE:HG22	2:2t:274:LYS:HE2	1.99	0.43
2:2w:273:LEU:HD21	2:4n:273:LEU:HD13	2.00	0.43
2:3w:179:ASN:ND2	2:3w:192:ASN:HD22	2.11	0.43
2:6u:246:LYS:CE	2:9Q:242:LEU:CD2	2.96	0.43
2:6x:120:ILE:HD13	2:7w:120:ILE:HG21	1.99	0.43
2:7x:270:ILE:HG22	2:7x:274:LYS:HE2	1.99	0.43
2:9J:19:LEU:N	2:9J:41:TYR:O	2.46	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1F:356:PRO:HG3	1:1F:369:PHE:CE2	2.24	0.43
1:2D:139:PHE:CD1	1:2D:139:PHE:O	2.71	0.43
1:2D:355:SER:HB3	1:2D:356:PRO:HD3	2.00	0.43
1:5F:422:THR:HG21	1:5F:427:LYS:HE3	1.98	0.43
1:6A:425:LYS:O	1:6A:425:LYS:CG	2.65	0.43
1:7B:444:GLY:HA3	2:7b:45:LYS:HE3	1.99	0.43
1:7D:28:GLN:CD	2:6u:52:LEU:CD1	2.92	0.43
1:7D:420:ILE:HG13	1:7D:427:LYS:HB2	2.00	0.43
1:8B:355:SER:HB2	1:8B:356:PRO:CD	2.49	0.43
1:8C:445:GLY:HA3	2:8j:47:VAL:CG2	2.48	0.43
1:1G:140:TYR:O	1:1G:323:TYR:HA	2.19	0.43
1:1G:444:GLY:O	2:1i:45:LYS:HD2	2.18	0.43
1:1K:81:ASN:OD1	1:1K:81:ASN:C	2.60	0.43
1:3H:205:SER:OG	1:3H:206:SER:N	2.51	0.43
1:3J:445:GLY:H	2:3k:44:VAL:CG2	2.31	0.43
1:5I:236:MET:HG2	1:5I:334:ARG:HB3	2.00	0.43
1:5I:334:ARG:O	1:5I:335:PHE:HB2	2.18	0.43
1:5K:201:ASP:OD2	1:5K:343:SER:HB2	2.17	0.43
1:5L:446:ALA:HA	2:5h:56:ASN:HB2	1.97	0.43
1:7F:36:VAL:N	1:7F:37:PRO:HD2	2.32	0.43
1:7G:355:SER:HB3	1:7G:356:PRO:CD	2.47	0.43
1:7H:412:LEU:HB2	1:7H:435:VAL:HB	2.00	0.43
1:8J:111:ASP:OD1	1:8J:111:ASP:C	2.61	0.43
1:8L:443:SER:N	2:8m:45:LYS:HZ3	2.05	0.43
1:1N:19:ASP:OD1	1:1N:19:ASP:C	2.61	0.43
1:1R:36:VAL:HB	1:1R:37:PRO:HD3	1.99	0.43
1:2M:403:SER:C	2:2k:16:TYR:HH	2.25	0.43
1:2N:314:ASN:OD1	1:2N:314:ASN:C	2.59	0.43
1:3Q:314:ASN:OD1	1:3Q:314:ASN:C	2.61	0.43
1:3Q:355:SER:CB	1:3Q:356:PRO:CD	2.96	0.43
1:3R:355:SER:CB	1:3R:356:PRO:HD3	2.48	0.43
1:5Q:445:GLY:HA2	2:5i:45:LYS:H	1.83	0.43
1:5R:444:GLY:CA	2:5j:45:LYS:H	2.30	0.43
1:6R:314:ASN:OD1	1:6R:314:ASN:C	2.61	0.43
1:7M:202:GLU:CA	1:7M:343:SER:HB2	2.48	0.43
1:8N:355:SER:HB2	1:8N:356:PRO:CD	2.49	0.43
1:8R:355:SER:HB3	1:8R:356:PRO:CD	2.49	0.43
1:9C:60:ASP:O	1:9C:61:PHE:HB3	2.18	0.43
1:1V:111:ASP:OD1	1:1V:111:ASP:C	2.61	0.43
1:3S:419:ASP:C	1:3S:419:ASP:OD1	2.60	0.43
1:3T:396:ILE:O	1:3T:396:ILE:CG2	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3W:200:ILE:HG22	1:3W:216:LYS:CD	2.47	0.43
1:5T:19:ASP:O	1:5T:20:ILE:C	2.61	0.43
1:5U:77:VAL:O	1:5U:77:VAL:HG13	2.18	0.43
1:2U:407:ASN:CG	2:2w:45:LYS:HG3	2.44	0.43
1:3a:203:PRO:HB3	1:3a:210:LEU:HA	2.00	0.43
1:5c:154:VAL:O	1:5c:155:SER:CB	2.65	0.43
1:6c:407:ASN:N	1:6c:407:ASN:OD1	2.51	0.43
1:6d:330:LEU:N	1:6d:330:LEU:HD23	2.32	0.43
1:7U:36:VAL:N	1:7U:37:PRO:HD2	2.32	0.43
1:7U:271:ASN:OD1	1:7U:271:ASN:C	2.61	0.43
1:7X:420:ILE:HG13	1:7X:427:LYS:HB2	2.00	0.43
1:8Y:213:PHE:CD2	1:8Y:213:PHE:C	2.94	0.43
2:1e:193:LYS:CD	2:2Z:202:SER:HB3	2.46	0.43
2:1f:41:TYR:OH	2:2a:111:VAL:HG11	2.18	0.43
2:1h:118:ILE:O	2:1h:118:ILE:HG23	2.18	0.43
2:1h:226:ILE:CG2	2:2t:222:LEU:HB2	2.48	0.43
2:2Z:219:LYS:CB	2:1l:226:ILE:C	2.88	0.43
2:2d:19:LEU:N	2:2d:41:TYR:O	2.46	0.43
2:2d:23:GLN:HG3	2:1k:73:VAL:O	2.18	0.43
2:2d:154:ALA:HB1	2:1k:158[B]:ILE:CD1	2.47	0.43
2:3g:57:MET:HE2	2:2x:111:VAL:HG13	1.99	0.43
2:3g:125:ILE:HA	2:2x:120:ILE:O	2.18	0.43
2:3h:57:MET:HA	2:3h:57:MET:HE2	2.00	0.43
2:6g:118:ILE:O	2:6g:118:ILE:HG23	2.18	0.43
2:6h:193:LYS:HB3	2:7c:200:LEU:O	2.17	0.43
2:8h:246:LYS:HG2	2:8l:242:LEU:HD23	1.99	0.43
2:8i:99:VAL:CG1	2:7g:28:ILE:HD11	2.36	0.43
2:1i:57:MET:HE2	2:1i:57:MET:HA	2.00	0.43
2:1i:229:GLY:N	2:2e:229:GLY:N	2.65	0.43
2:1i:244:GLY:CA	2:2e:242:LEU:HA	2.47	0.43
2:1k:147:ILE:O	2:3k:141:PRO:HB3	2.18	0.43
2:2e:158[B]:ILE:CD1	2:1p:154:ALA:HB1	2.48	0.43
2:2e:236:ALA:HA	2:1p:242:LEU:CD1	2.44	0.43
2:2f:57:MET:HE2	2:3j:111:VAL:HG13	2.00	0.43
2:2f:179:ASN:ND2	2:2f:192:ASN:HD22	2.11	0.43
2:2f:242:LEU:HA	2:3j:245:VAL:H	1.75	0.43
2:2f:243:GLY:H	2:3j:244:GLY:CA	2.26	0.43
2:2g:246:LYS:HG2	2:3i:240:THR:C	2.43	0.43
2:2i:210:LEU:HA	2:3o:206:VAL:CG1	2.46	0.43
2:3i:118:ILE:O	2:3i:118:ILE:HG23	2.18	0.43
2:5g:226:ILE:HD11	2:7e:226:ILE:HD13	1.90	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:226:ILE:O	2:7f:223:ARG:CG	2.64	0.43
2:6j:97:TYR:OH	2:6j:111:VAL:HB	2.15	0.43
2:6j:212:GLY:HA3	2:7k:203:ASN:HD22	1.83	0.43
2:6k:242:LEU:HD23	2:7e:244:GLY:O	2.15	0.43
2:6l:179:ASN:ND2	2:6l:192:ASN:HD22	2.11	0.43
2:8k:201:VAL:H	2:9G:193:LYS:HE3	1.83	0.43
2:8k:227:GLY:HA3	2:9G:219:LYS:HE2	1.56	0.43
2:8k:279:ILE:HG23	2:9G:278:ILE:HD12	1.99	0.43
2:8m:246:LYS:CG	2:9H:240:THR:HA	2.46	0.43
2:8n:242:LEU:HD23	2:7n:245:VAL:O	2.19	0.43
2:8o:270:ILE:HG22	2:8o:274:LYS:HE2	1.99	0.43
2:8p:179:ASN:ND2	2:8p:192:ASN:HD22	2.11	0.43
2:2l:230:VAL:O	2:3m:229:GLY:HA3	2.19	0.43
2:2l:244:GLY:C	2:3m:242:LEU:CD2	2.91	0.43
2:2n:232:TYR:CD2	2:3s:232:TYR:CD1	2.96	0.43
2:5i:179:ASN:ND2	2:5i:192:ASN:HD22	2.11	0.43
2:5i:270:ILE:HG22	2:5i:274:LYS:HE2	1.99	0.43
2:5j:41:TYR:OH	2:5j:57:MET:SD	2.76	0.43
2:6m:160:GLY:HA3	2:8u:151:ASN:ND2	2.33	0.43
2:6n:212:GLY:HA3	2:7p:203:ASN:HD22	1.83	0.43
2:7k:270:ILE:HG22	2:7k:274:LYS:HE2	1.99	0.43
2:7m:19:LEU:N	2:7m:41:TYR:O	2.46	0.43
2:7m:232:TYR:HD2	2:8v:232:TYR:CG	2.36	0.43
2:8q:118:ILE:O	2:8q:118:ILE:HG23	2.18	0.43
2:8q:279:ILE:HG23	2:9H:278:ILE:HD12	1.99	0.43
2:8s:131:THR:OG1	2:8w:140:THR:C	2.61	0.43
2:8s:266:LEU:CD2	2:8w:254:SER:OG	2.40	0.43
2:1q:234:LEU:HD21	2:2o:242:LEU:O	2.18	0.43
2:1r:236:ALA:HA	2:3r:242:LEU:HD11	1.99	0.43
2:2p:19:LEU:N	2:2p:41:TYR:O	2.46	0.43
2:2q:244:GLY:C	2:3q:242:LEU:CD2	2.91	0.43
2:2q:246:LYS:HG2	2:3q:240:THR:C	2.43	0.43
2:2r:170:LEU:HD13	2:4l:174:LEU:HD23	1.99	0.43
2:2r:222:LEU:HD23	2:3x:209:LEU:HD21	1.92	0.43
2:3q:231:PRO:HA	2:4k:229:GLY:HA3	2.00	0.43
2:3r:270:ILE:HG22	2:3r:274:LYS:HE2	1.99	0.43
2:4l:76:ASN:ND2	2:4l:116:LYS:CG	2.80	0.43
2:6q:73:VAL:O	2:9K:23:GLN:HG3	2.19	0.43
2:6q:246:LYS:CE	2:9K:242:LEU:CD2	2.96	0.43
2:6s:229:GLY:HA3	2:7o:230:VAL:C	2.43	0.43
2:6t:234:LEU:HD21	2:7r:243:GLY:CA	2.48	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7p:19:LEU:N	2:7p:41:TYR:O	2.46	0.43
2:7q:53:THR:OG1	2:7q:54:GLN:N	2.51	0.43
2:8w:158[A]:ILE:HD11	2:9I:158[A]:ILE:CD1	2.48	0.43
2:9K:270:ILE:HG22	2:9K:274:LYS:HE2	1.99	0.43
2:9L:118:ILE:O	2:9L:118:ILE:HG23	2.18	0.43
2:1v:236:ALA:HA	2:3v:242:LEU:HD11	1.99	0.43
2:1w:147:ILE:O	2:3w:141:PRO:HB3	2.18	0.43
2:5m:200:LEU:O	2:6w:193:LYS:HD3	2.17	0.43
2:6v:179:ASN:ND2	2:6v:192:ASN:HD22	2.11	0.43
2:6x:234:LEU:HD21	2:7w:243:GLY:CA	2.48	0.43
2:7u:270:ILE:HG22	2:7u:274:LYS:HE2	1.99	0.43
2:9M:201:VAL:H	2:9J:193:LYS:HE3	1.83	0.43
2:9P:110:LEU:HD12	2:9P:110:LEU:O	2.16	0.43
1:1D:404:VAL:O	1:1D:405:SER:HB3	2.17	0.43
1:2A:392:THR:CA	2:2c:46:ASP:OD2	2.65	0.43
1:3C:226:LEU:HA	1:3C:227:PRO:HD3	1.86	0.43
1:4A:111:ASP:OD1	1:4A:111:ASP:C	2.61	0.43
1:4B:30:ASP:OD1	1:4B:30:ASP:C	2.60	0.43
1:4B:212:GLU:OE1	1:4B:216:LYS:HE2	2.18	0.43
1:4C:226:LEU:HA	1:4C:227:PRO:HD3	1.88	0.43
1:4E:203:PRO:HA	1:4E:212:GLU:HG3	2.01	0.43
1:4F:20:ILE:O	1:4F:21:VAL:HB	2.17	0.43
1:5B:437:ILE:O	1:5B:438:ARG:HB2	2.18	0.43
1:5E:265:ALA:O	1:5E:266:LYS:HB2	2.18	0.43
1:5E:412:LEU:HB2	1:5E:435:VAL:HB	2.00	0.43
1:6F:119:VAL:O	1:6F:120:PHE:HB2	2.18	0.43
1:7C:38:LEU:O	1:7C:39:ALA:HB3	2.18	0.43
1:7C:447:GLN:O	2:7a:41:TYR:CD1	2.68	0.43
1:8A:36:VAL:N	1:8A:37:PRO:CD	2.81	0.43
1:8C:444:GLY:C	2:8j:45:LYS:HD3	2.42	0.43
1:9A:60:ASP:O	1:9A:61:PHE:HB3	2.18	0.43
1:9A:268:PHE:CZ	1:9E:269:ASN:HB2	2.53	0.43
1:1G:110:TYR:HB3	1:1H:137:GLN:HG2	2.00	0.43
1:2I:355:SER:HB3	1:2I:356:PRO:HD3	2.00	0.43
1:3H:396:ILE:O	1:3H:396:ILE:CG2	2.66	0.43
1:3L:19:ASP:OD1	1:3L:19:ASP:C	2.60	0.43
1:5L:447:GLN:NE2	2:5h:44:VAL:HG11	2.25	0.43
1:6G:448:ALA:HB2	2:6l:41:TYR:HD2	1.77	0.43
1:7F:19:ASP:OD1	1:7F:19:ASP:C	2.59	0.43
1:7H:111:ASP:C	1:7H:111:ASP:OD1	2.61	0.43
1:8G:356:PRO:O	1:8G:357:ASN:HB2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2N:139:PHE:CD1	1:2N:139:PHE:O	2.71	0.43
1:2N:356:PRO:HG2	1:2N:369:PHE:CD2	2.53	0.43
1:4N:203:PRO:CA	1:4N:212:GLU:CD	2.86	0.43
1:5N:437:ILE:O	1:5N:438:ARG:HB2	2.18	0.43
1:5Q:412:LEU:HB2	1:5Q:435:VAL:HB	2.00	0.43
1:5R:36:VAL:N	1:5R:37:PRO:HD2	2.33	0.43
1:6O:406:GLY:O	1:6O:407:ASN:HB3	2.17	0.43
1:6Q:447:GLN:N	2:6n:42:VAL:O	2.35	0.43
1:7M:38:LEU:O	1:7M:39:ALA:HB3	2.18	0.43
1:7M:202:GLU:O	1:7M:202:GLU:HG3	2.18	0.43
1:7M:412:LEU:HB2	1:7M:435:VAL:HB	2.00	0.43
1:8Q:228:GLN:OE1	1:8Q:228:GLN:N	2.31	0.43
1:1W:393:GLY:O	1:1W:394:THR:HB	2.19	0.43
1:1X:201:ASP:O	1:1X:202:GLU:HB3	2.19	0.43
1:2R:392:THR:HG23	2:2p:46:ASP:HB2	2.01	0.43
1:2S:19:ASP:OD1	1:2S:19:ASP:C	2.61	0.43
1:2S:355:SER:HB3	1:2S:356:PRO:HD3	2.00	0.43
1:2T:190:TYR:CD2	1:2T:190:TYR:C	2.94	0.43
1:2T:423:GLU:O	1:2T:424:ASP:HB2	2.18	0.43
1:3T:54:ASN:OD1	1:3T:54:ASN:C	2.60	0.43
1:3T:355:SER:CB	1:3T:356:PRO:HD3	2.49	0.43
1:3U:296:ASP:O	1:3U:297:LYS:CB	2.66	0.43
1:3W:319:TYR:CD1	1:3W:319:TYR:C	2.96	0.43
1:4S:111:ASP:OD1	1:4S:111:ASP:C	2.61	0.43
1:4T:19:ASP:OD1	1:4T:19:ASP:C	2.60	0.43
1:4T:65:LEU:O	1:4T:66:VAL:HB	2.18	0.43
1:5T:437:ILE:O	1:5T:438:ARG:HB2	2.18	0.43
1:5U:61:PHE:O	1:5U:62:ILE:HB	2.19	0.43
1:7Q:19:ASP:OD2	1:7Q:19:ASP:C	2.61	0.43
1:7R:38:LEU:O	1:7R:39:ALA:HB3	2.18	0.43
1:7R:202:GLU:O	1:7R:202:GLU:HG3	2.18	0.43
1:7S:395:ALA:CB	2:7o:66:ILE:HD11	2.48	0.43
1:8T:355:SER:HB2	1:8T:356:PRO:CD	2.49	0.43
1:8X:355:SER:HB3	1:8X:356:PRO:CD	2.49	0.43
1:9D:269:ASN:HB2	1:9E:268:PHE:CZ	2.53	0.43
1:1Y:140:TYR:O	1:1Y:323:TYR:HA	2.19	0.43
1:1b:314:ASN:O	1:1b:317:GLY:N	2.51	0.43
1:2U:245:GLU:H	1:2U:245:GLU:CD	2.22	0.43
1:3a:296:ASP:O	1:3a:297:LYS:CB	2.66	0.43
1:4Y:202:GLU:HG2	1:4Y:343:SER:OG	2.18	0.43
1:5d:406:GLY:O	1:5d:407:ASN:CB	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6c:331:SER:OG	1:6c:332:VAL:N	2.51	0.43
1:7W:392:THR:CG2	2:7u:14:MET:HE3	2.47	0.43
1:8Y:446:ALA:N	2:9M:54:GLN:O	2.43	0.43
1:8Z:355:SER:HB2	1:8Z:356:PRO:CD	2.49	0.43
1:8Z:448:ALA:CB	2:9N:41:TYR:CE2	3.01	0.43
2:1e:222:LEU:CD1	2:2Z:226:ILE:HG22	2.47	0.43
2:1e:245:VAL:CA	2:2Z:242:LEU:HD23	1.89	0.43
2:1g:73:VAL:O	2:2x:23:GLN:HG3	2.18	0.43
2:1g:254:SER:H	2:2x:267:ASN:CG	2.16	0.43
2:2Z:222:LEU:HB2	2:1l:226:ILE:CG2	2.48	0.43
2:2Z:234:LEU:HG	2:1l:242:LEU:HB3	2.01	0.43
2:2c:19:LEU:N	2:2c:41:TYR:O	2.46	0.43
2:2c:158[B]:ILE:HA	2:4f:154:ALA:CB	2.48	0.43
2:2d:184:LEU:HD23	2:3k:180:VAL:HG13	2.00	0.43
2:2d:269:LEU:HD11	2:3k:279:ILE:HD13	1.99	0.43
2:3g:232:TYR:HH	2:2x:234:LEU:HB2	1.79	0.43
2:3h:97:TYR:OH	2:3h:111:VAL:HB	2.15	0.43
2:4f:118:ILE:O	2:4f:118:ILE:HG23	2.18	0.43
2:5f:245:VAL:HA	2:6v:242:LEU:HD23	2.00	0.43
2:6e:73:VAL:O	2:8i:23:GLN:HG3	2.18	0.43
2:6e:126:LYS:C	2:6e:126:LYS:CD	2.85	0.43
2:6f:223:ARG:CD	2:7f:227:GLY:O	2.66	0.43
2:7a:196:LEU:HD22	2:6v:183:PHE:HZ	1.82	0.43
2:7b:28:ILE:CD1	2:9Q:99:VAL:CG1	2.72	0.43
2:7c:259:VAL:CB	2:8j:259:VAL:HG22	2.42	0.43
2:7d:57:MET:HE2	2:8f:111:VAL:CG2	2.45	0.43
2:8e:175:PHE:CZ	2:9F:175:PHE:HE2	2.24	0.43
2:8e:237:ALA:HB2	2:9F:245:VAL:CA	2.42	0.43
2:8f:97:TYR:OH	2:8f:111:VAL:HB	2.15	0.43
2:8f:270:ILE:HG22	2:8f:274:LYS:HE2	1.99	0.43
2:8g:148[A]:ILE:HG23	2:8k:145:ARG:HG2	1.98	0.43
2:1i:234:LEU:HG	2:2e:242:LEU:HD12	2.00	0.43
2:1j:227:GLY:HA3	2:2f:223:ARG:HH11	1.83	0.43
2:2g:200:LEU:CD2	2:4g:200:LEU:HD11	2.48	0.43
2:2h:175:PHE:CE1	2:3p:175:PHE:CE2	3.05	0.43
2:2i:111:VAL:HG13	2:3o:57:MET:HE2	1.99	0.43
2:2i:193:LYS:CG	2:3o:200:LEU:C	2.91	0.43
2:3k:118:ILE:O	2:3k:118:ILE:HG23	2.18	0.43
2:5h:118:ILE:O	2:5h:118:ILE:HG23	2.18	0.43
2:6j:228:ALA:HB1	2:7k:228:ALA:HB1	2.01	0.43
2:6j:229:GLY:O	2:7k:228:ALA:HA	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6l:91:PRO:O	2:6l:92:SER:CB	2.67	0.43
2:6l:234:LEU:HD21	2:7h:243:GLY:CA	2.48	0.43
2:6l:279:ILE:CD1	2:8p:251:VAL:HG11	2.43	0.43
2:7i:26:ASP:O	2:8l:73:VAL:HG21	2.17	0.43
2:8k:238:THR:C	2:9G:246:LYS:HB3	2.43	0.43
2:8k:270:ILE:HG22	2:8k:274:LYS:HE2	1.99	0.43
2:8m:223:ARG:HD2	2:9H:228:ALA:HA	1.21	0.43
2:8n:239:THR:CG2	2:7n:247:LYS:CD	2.85	0.43
2:9G:77:LEU:HD12	2:9G:110:LEU:CD1	2.46	0.43
2:1n:200:LEU:HD13	2:3n:200:LEU:HD22	1.78	0.43
2:3p:91:PRO:O	2:3p:92:SER:CB	2.67	0.43
2:5i:259:VAL:CG2	2:6o:259:VAL:HG23	2.48	0.43
2:6m:158[A]:ILE:CG1	2:8u:158[A]:ILE:HD11	2.47	0.43
2:6m:269:LEU:CD2	2:8u:269:LEU:CG	2.90	0.43
2:6n:229:GLY:O	2:7p:228:ALA:HA	2.18	0.43
2:8q:206:VAL:HG11	2:9H:210:LEU:CA	2.47	0.43
2:8q:237:ALA:HB2	2:9H:245:VAL:N	2.34	0.43
2:8s:131:THR:CB	2:8w:140:THR:C	2.91	0.43
2:8t:118:ILE:O	2:8t:118:ILE:HG23	2.18	0.43
2:1q:270:ILE:HG22	2:1q:274:LYS:HE2	1.99	0.43
2:1s:269:LEU:CG	2:3s:269:LEU:HD23	2.20	0.43
2:2q:270:ILE:HG22	2:2q:274:LYS:HE2	1.99	0.43
2:2r:222:LEU:HD23	2:3x:209:LEU:CD1	2.41	0.43
2:2s:120:ILE:O	2:3w:125:ILE:HA	2.18	0.43
2:2s:167:LYS:HD3	2:3w:175:PHE:C	2.44	0.43
2:5l:28:ILE:HG13	2:7p:73:VAL:HG12	1.99	0.43
2:5l:41:TYR:OH	2:5l:57:MET:SD	2.76	0.43
2:6t:250:ALA:HA	2:7r:280:SER:O	2.18	0.43
2:6t:251:VAL:HG13	2:7r:279:ILE:HD12	2.00	0.43
2:6t:279:ILE:CD1	2:9L:251:VAL:HG11	2.43	0.43
2:7s:53:THR:OG1	2:7s:54:GLN:N	2.51	0.43
2:8w:116:LYS:CA	2:8w:116:LYS:CE	2.86	0.43
2:8w:201:VAL:H	2:9I:193:LYS:HE3	1.83	0.43
2:8w:279:ILE:C	2:9I:248:GLY:H	2.16	0.43
2:8y:121[B]:GLU:HA	2:9J:127:ASP:OD1	2.19	0.43
2:8y:234:LEU:CD2	2:9J:242:LEU:CA	2.93	0.43
2:8z:239:THR:N	2:7x:247:LYS:HB2	2.32	0.43
2:9K:91:PRO:O	2:9K:92:SER:CB	2.67	0.43
2:2u:57:MET:HE2	2:3v:111:VAL:HG13	2.00	0.43
1:1E:393:GLY:O	1:1E:394:THR:HB	2.19	0.43
1:3A:235:SER:O	1:3A:236:MET:CB	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3D:228:GLN:OE1	1:3D:228:GLN:N	2.32	0.43
1:5E:202:GLU:HA	1:5E:203:PRO:HD3	1.87	0.43
1:6E:111:ASP:O	1:6E:112:ALA:CB	2.65	0.43
1:7A:393:GLY:O	2:7d:16:TYR:HD1	2.02	0.43
1:7B:355:SER:HB3	1:7B:356:PRO:CD	2.47	0.43
1:1K:393:GLY:O	1:1K:394:THR:HB	2.19	0.43
1:1L:36:VAL:HB	1:1L:37:PRO:HD3	1.99	0.43
1:2J:355:SER:OG	1:2J:370:THR:HB	2.19	0.43
1:3H:81:ASN:OD1	1:3H:81:ASN:C	2.61	0.43
1:3K:314:ASN:OD1	1:3K:314:ASN:C	2.61	0.43
1:4G:190:TYR:CD2	1:4G:190:TYR:C	2.96	0.43
1:4L:111:ASP:OD1	1:4L:111:ASP:C	2.61	0.43
1:5J:306:LEU:HB3	1:5J:327:TRP:HB2	2.00	0.43
1:7H:5:PHE:O	1:7H:6:ASN:HB2	2.17	0.43
1:8J:438:ARG:HA	1:8J:439:PRO:HD3	1.88	0.43
1:9B:269:ASN:HB2	1:9C:268:PHE:CZ	2.53	0.43
1:2N:355:SER:HB3	1:2N:356:PRO:HD3	2.00	0.43
1:3P:447:GLN:O	1:3P:448:ALA:C	2.62	0.43
1:3Q:202:GLU:O	1:3Q:209:ALA:HB3	2.15	0.43
1:3Q:319:TYR:CD1	1:3Q:319:TYR:C	2.96	0.43
1:3R:156:TRP:O	1:3R:157:GLY:C	2.61	0.43
1:3R:445:GLY:HA3	2:3m:47:VAL:HG21	2.00	0.43
1:4N:65:LEU:O	1:4N:66:VAL:HB	2.18	0.43
1:5Q:154:VAL:O	1:5Q:155:SER:CB	2.65	0.43
1:5Q:250:ILE:O	1:5Q:251:ILE:HB	2.18	0.43
1:6P:16:GLU:OE1	1:6P:16:GLU:N	2.44	0.43
1:6Q:111:ASP:O	1:6Q:112:ALA:CB	2.65	0.43
1:6Q:447:GLN:HG2	2:6n:42:VAL:HG13	2.00	0.43
1:8Q:445:GLY:C	2:8t:44:VAL:HG22	2.43	0.43
1:8Q:448:ALA:HB2	2:8t:41:TYR:HD1	1.74	0.43
1:8R:93:LEU:N	1:8R:93:LEU:HD23	2.33	0.43
1:1S:140:TYR:O	1:1S:323:TYR:HA	2.18	0.43
1:1U:446:ALA:CA	2:1s:44:VAL:HG23	2.47	0.43
1:1V:314:ASN:O	1:1V:317:GLY:N	2.51	0.43
1:1X:111:ASP:OD1	1:1X:111:ASP:C	2.61	0.43
1:2R:448:ALA:HB3	2:2p:41:TYR:HD1	1.83	0.43
1:4T:212:GLU:OE1	1:4T:216:LYS:HE2	2.18	0.43
1:4V:319:TYR:CD1	1:4V:319:TYR:C	2.96	0.43
1:5W:154:VAL:O	1:5W:155:SER:CB	2.65	0.43
1:6X:151:THR:OG1	1:6X:152:ALA:N	2.52	0.43
1:7P:25:ARG:HH21	2:6s:53:THR:HB	1.84	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7P:425:LYS:O	1:7P:426:PRO:C	2.61	0.43
1:7R:111:ASP:OD1	1:7R:111:ASP:C	2.61	0.43
1:8S:356:PRO:O	1:8S:357:ASN:HB2	2.19	0.43
1:1Y:110:TYR:HB3	1:1Z:137:GLN:HG2	2.00	0.43
1:2W:19:ASP:OD1	1:2W:19:ASP:C	2.61	0.43
1:3c:314:ASN:OD1	1:3c:314:ASN:C	2.61	0.43
1:4b:319:TYR:CD1	1:4b:319:TYR:C	2.96	0.43
1:4d:110:TYR:CG	1:4d:111:ASP:N	2.86	0.43
1:5b:391:SER:OG	1:5b:392:THR:N	2.50	0.43
1:7W:412:LEU:HB2	1:7W:435:VAL:HB	2.00	0.43
1:8b:445:GLY:C	2:9Q:44:VAL:HB	2.43	0.43
2:1f:200:LEU:CD2	2:2a:200:LEU:HD11	2.47	0.43
2:1f:227:GLY:HA3	2:2a:223:ARG:HH11	1.83	0.43
2:1g:147:ILE:O	2:3g:141:PRO:HB3	2.18	0.43
2:1g:180:VAL:HG23	2:3g:186:ALA:HB2	2.01	0.43
2:1h:242:LEU:HD13	2:2t:236:ALA:CA	2.44	0.43
2:2Z:246:LYS:HD3	2:1l:239:THR:C	2.44	0.43
2:2c:270:ILE:HG22	2:2c:274:LYS:HE2	1.99	0.43
2:3e:236:ALA:N	2:4e:242:LEU:CD1	2.79	0.43
2:5e:259:VAL:CG2	2:6g:259:VAL:HG23	2.48	0.43
2:6h:210:LEU:HA	2:7c:206:VAL:HG11	1.99	0.43
2:7b:57:MET:CE	2:9Q:111:VAL:HG13	2.49	0.43
2:8f:38:ILE:CD1	2:8f:114:ARG:HH22	2.29	0.43
2:9F:226:ILE:HG13	2:9O:223:ARG:CG	2.47	0.43
2:9F:226:ILE:CD1	2:9O:222:LEU:O	2.63	0.43
2:1k:41:TYR:CD2	2:1k:57:MET:HE1	2.48	0.43
2:1k:200:LEU:CA	2:3k:193:LYS:HG2	2.45	0.43
2:2e:53:THR:OG1	2:2e:54:GLN:N	2.51	0.43
2:2g:57:MET:HE2	2:4g:111:VAL:HG13	2.00	0.43
2:2g:230:VAL:O	2:3i:229:GLY:HA3	2.19	0.43
2:2g:239:THR:HA	2:4g:247:LYS:N	2.33	0.43
2:5g:270:ILE:HG22	2:5g:274:LYS:HE2	1.99	0.43
2:6i:160:GLY:HA3	2:8o:151:ASN:ND2	2.33	0.43
2:6i:179:ASN:ND2	2:6i:192:ASN:HD22	2.11	0.43
2:6k:127:ASP:OD2	2:7e:121[B]:GLU:HB3	2.19	0.43
2:6k:243:GLY:HA2	2:7e:234:LEU:HD22	1.98	0.43
2:6l:57:MET:HE2	2:6l:57:MET:HA	2.00	0.43
2:8l:97:TYR:OH	2:8l:111:VAL:HB	2.15	0.43
2:8m:131:THR:OG1	2:8q:140:THR:C	2.61	0.43
2:8m:131:THR:CB	2:8q:140:THR:C	2.91	0.43
2:1m:222:LEU:CD1	2:2j:226:ILE:HG22	2.47	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:225:MET:SD	2:1t:209:LEU:CD1	3.07	0.43
2:2k:53:THR:OG1	2:2k:54:GLN:N	2.51	0.43
2:2k:240:THR:CA	2:3n:246:LYS:CG	2.97	0.43
2:2m:158[B]:ILE:CG2	2:4j:149[B]:ILE:HG23	2.49	0.43
2:2n:23:GLN:HG3	2:1s:73:VAL:O	2.18	0.43
2:2n:111:VAL:HG13	2:3s:57:MET:HE2	1.99	0.43
2:5i:38:ILE:CD1	2:5i:114:ARG:HH22	2.29	0.43
2:5i:138:ILE:O	2:7j:129:GLY:HA3	2.18	0.43
2:5i:173:LEU:O	2:6o:167:LYS:HG2	2.18	0.43
2:6m:247:LYS:HG3	2:8u:278:ILE:HA	2.01	0.43
2:6m:251:VAL:H	2:8u:279:ILE:HD12	1.82	0.43
2:6o:127:ASP:OD1	2:7j:122:VAL:N	2.51	0.43
2:6p:270:ILE:HG22	2:6p:274:LYS:HE2	1.99	0.43
2:7j:19:LEU:N	2:7j:41:TYR:O	2.46	0.43
2:7m:120:ILE:CG1	2:8v:120:ILE:HD13	2.49	0.43
2:7m:250:ALA:H	2:8v:280:SER:HB2	1.75	0.43
2:7n:53:THR:OG1	2:7n:54:GLN:N	2.51	0.43
2:8v:270:ILE:HG22	2:8v:274:LYS:HE2	1.99	0.43
2:1q:246:LYS:C	2:2o:239:THR:O	2.60	0.43
2:1t:270:ILE:HG22	2:1t:274:LYS:HE2	1.99	0.43
2:2p:174:LEU:CD2	2:3r:174:LEU:HD11	2.48	0.43
2:2p:242:LEU:HB2	2:3r:234:LEU:HG	2.00	0.43
2:2q:222:LEU:CB	2:3q:226:ILE:CB	2.94	0.43
2:2r:53:THR:OG1	2:2r:54:GLN:N	2.51	0.43
2:3q:259:VAL:HG23	2:4k:259:VAL:HG21	2.00	0.43
2:5k:223:ARG:HG2	2:7o:226:ILE:O	2.17	0.43
2:6r:238:THR:CA	2:5n:247:LYS:HB2	2.48	0.43
2:7p:53:THR:OG1	2:7p:54:GLN:N	2.51	0.43
2:8w:279:ILE:HG23	2:9I:278:ILE:HD12	1.99	0.43
2:8w:280:SER:C	2:9I:250:ALA:HA	2.42	0.43
2:1u:91:PRO:O	2:1u:92:SER:CB	2.67	0.43
2:1w:57:MET:HE2	2:1w:57:MET:HA	2.00	0.43
2:2u:242:LEU:HB2	2:3v:234:LEU:HG	2.01	0.43
2:2w:158[B]:ILE:CG2	2:4n:149[B]:ILE:HG23	2.49	0.43
2:3w:118:ILE:O	2:3w:118:ILE:HG23	2.18	0.43
2:6u:251:VAL:H	2:9Q:279:ILE:HD12	1.82	0.43
2:6w:242:LEU:HD23	2:7t:244:GLY:O	2.15	0.43
2:6x:57:MET:HE2	2:6x:57:MET:HA	2.00	0.43
2:7w:145:ARG:CG	2:9R:148[A]:ILE:CG2	2.95	0.43
2:9M:238:THR:C	2:9J:246:LYS:HB3	2.43	0.43
2:9Q:57:MET:HA	2:9Q:57:MET:HE2	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9Q:179:ASN:ND2	2:9Q:192:ASN:HD22	2.11	0.43
2:9R:118:ILE:O	2:9R:118:ILE:HG23	2.18	0.43
1:1A:249:LEU:HB2	1:1A:279:VAL:HG13	2.00	0.43
1:2E:355:SER:OG	1:2E:370:THR:HB	2.19	0.43
1:3A:420:ILE:O	1:3A:420:ILE:CG2	2.64	0.43
1:3E:314:ASN:OD1	1:3E:314:ASN:C	2.61	0.43
1:3E:319:TYR:CD1	1:3E:319:TYR:C	2.96	0.43
1:3F:392:THR:HG22	2:3e:16:TYR:CE1	2.53	0.43
1:5C:61:PHE:O	1:5C:62:ILE:HB	2.19	0.43
1:5F:355:SER:O	1:5F:356:PRO:C	2.61	0.43
1:8B:447:GLN:HA	2:8f:56:ASN:H	1.83	0.43
1:8E:230:SER:OG	1:8E:231:ARG:N	2.45	0.43
1:9A:269:ASN:HB2	1:9B:268:PHE:CZ	2.53	0.43
1:1G:446:ALA:H	2:1i:44:VAL:N	2.16	0.43
1:1H:236:MET:HG2	1:1H:334:ARG:HB3	1.99	0.43
1:2G:355:SER:N	1:2G:370:THR:O	2.45	0.43
1:2I:356:PRO:HG2	1:2I:369:PHE:CD2	2.53	0.43
1:2J:423:GLU:O	1:2J:424:ASP:HB2	2.18	0.43
1:3I:203:PRO:HB3	1:3I:210:LEU:HA	2.00	0.43
1:4I:226:LEU:HA	1:4I:227:PRO:HD3	1.88	0.43
1:5H:437:ILE:O	1:5H:438:ARG:HB2	2.18	0.43
1:5K:448:ALA:HA	2:5g:57:MET:CE	2.48	0.43
1:5L:36:VAL:N	1:5L:37:PRO:HD2	2.33	0.43
1:7H:38:LEU:O	1:7H:39:ALA:HB3	2.18	0.43
1:8J:448:ALA:CB	2:8o:41:TYR:HD2	2.31	0.43
1:8L:19:ASP:OD1	1:8L:19:ASP:C	2.58	0.43
1:3M:269:ASN:OD1	1:3M:269:ASN:C	2.59	0.43
1:3O:203:PRO:HB3	1:3O:210:LEU:HA	2.00	0.43
1:3P:448:ALA:C	2:3o:63:TRP:HE1	2.23	0.43
1:4Q:203:PRO:HA	1:4Q:212:GLU:HG3	2.01	0.43
1:4R:446:ALA:O	2:4j:42:VAL:O	2.37	0.43
1:5O:61:PHE:O	1:5O:62:ILE:HB	2.19	0.43
1:6M:202:GLU:HA	1:6M:203:PRO:HD3	1.56	0.43
1:7L:19:ASP:OD2	1:7L:19:ASP:C	2.61	0.43
1:8N:36:VAL:N	1:8N:37:PRO:CD	2.80	0.43
1:1S:446:ALA:HA	2:1q:43:ALA:CA	2.45	0.43
1:1W:228:GLN:OE1	1:1W:228:GLN:N	2.38	0.43
1:1X:36:VAL:HB	1:1X:37:PRO:HD3	1.99	0.43
1:3X:444:GLY:O	2:3q:45:LYS:HG2	2.18	0.43
1:4S:190:TYR:CD2	1:4S:190:TYR:C	2.96	0.43
1:4S:202:GLU:HG2	1:4S:343:SER:OG	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4U:287:SER:OG	1:4U:288:THR:N	2.52	0.43
1:4X:111:ASP:OD1	1:4X:111:ASP:C	2.61	0.43
1:5X:226:LEU:HA	1:5X:227:PRO:HD3	1.86	0.43
1:6T:122:ARG:HA	1:6U:143:THR:HG21	2.01	0.43
1:6X:160:GLU:OE1	1:6X:160:GLU:N	2.47	0.43
1:7S:19:ASP:C	1:7S:19:ASP:OD1	2.59	0.43
1:8V:93:LEU:HD12	1:8V:93:LEU:O	2.19	0.43
1:8X:446:ALA:HA	2:8y:43:ALA:CA	2.38	0.43
1:1c:393:GLY:O	1:1c:394:THR:HB	2.19	0.43
1:2V:201:ASP:OD1	1:2V:201:ASP:C	2.59	0.43
1:3Y:4:THR:O	1:3Y:5:PHE:HB2	2.18	0.43
1:3b:341:PHE:CD1	1:3b:341:PHE:N	2.87	0.43
1:3d:448:ALA:O	2:3u:63:TRP:CE2	2.71	0.43
1:4c:251:ILE:O	1:4c:251:ILE:HG23	2.18	0.43
1:5c:265:ALA:O	1:5c:266:LYS:HB2	2.18	0.43
1:6Z:407:ASN:OD1	2:6w:45:LYS:CB	2.65	0.43
1:6d:119:VAL:O	1:6d:120:PHE:HB2	2.18	0.43
1:7V:446:ALA:HB1	2:7v:41:TYR:CG	1.86	0.43
2:1f:242:LEU:HD22	2:2a:244:GLY:CA	2.44	0.43
2:1g:199:LEU:O	2:3g:193:LYS:CG	2.64	0.43
2:1g:266:LEU:CD2	2:3g:265:ASP:HB3	2.37	0.43
2:2a:57:MET:HE2	2:3f:111:VAL:HG13	2.00	0.43
2:2a:270:ILE:HG22	2:2a:274:LYS:HE2	1.99	0.43
2:2b:53:THR:OG1	2:2b:54:GLN:N	2.51	0.43
2:2b:57:MET:SD	2:4e:111:VAL:HG21	2.59	0.43
2:2b:230:VAL:C	2:3e:229:GLY:CA	2.88	0.43
2:2c:175:PHE:CE1	2:3l:175:PHE:CE2	3.06	0.43
2:2d:279:ILE:HG22	2:1k:248:GLY:HA3	2.01	0.43
2:3g:175:PHE:C	2:2x:167:LYS:HD3	2.44	0.43
2:5e:138:ILE:O	2:7Z:129:GLY:HA3	2.18	0.43
2:5f:148[B]:ILE:HD12	2:7a:148[B]:ILE:HD11	2.00	0.43
2:6e:118:ILE:O	2:6e:118:ILE:HG23	2.18	0.43
2:6g:243:GLY:HA2	2:7Z:234:LEU:HD22	1.98	0.43
2:7a:227:GLY:O	2:6v:223:ARG:CD	2.66	0.43
2:7b:61:ALA:HB3	2:6u:3:VAL:HG22	2.01	0.43
2:7c:120:ILE:CG1	2:8j:120:ILE:HD13	2.49	0.43
2:7d:247:LYS:HB2	2:9P:239:THR:N	2.32	0.43
2:7d:270:ILE:HG22	2:7d:274:LYS:HE2	1.99	0.43
2:8e:140:THR:C	2:9O:131:THR:CB	2.91	0.43
2:8g:57:MET:SD	2:8k:111:VAL:HG13	2.58	0.43
2:8g:131:THR:CB	2:8k:140:THR:C	2.91	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:226:ILE:O	2:9O:219:LYS:C	2.52	0.43
2:1i:234:LEU:HD21	2:2e:242:LEU:O	2.18	0.43
2:2g:57:MET:SD	2:4g:111:VAL:HG21	2.59	0.43
2:2g:129:GLY:HA3	2:4g:138:ILE:O	2.19	0.43
2:2i:19:LEU:N	2:2i:41:TYR:O	2.46	0.43
2:4h:58:TYR:CB	2:3p:2:MET:CE	2.77	0.43
2:5g:273:LEU:HD12	2:6k:269:LEU:CD1	2.29	0.43
2:6i:247:LYS:N	2:8o:237:ALA:HB1	2.34	0.43
2:6j:57:MET:HA	2:6j:57:MET:HE2	2.00	0.43
2:6j:246:LYS:HD3	2:7k:239:THR:O	2.19	0.43
2:6j:247:LYS:H	2:7k:239:THR:N	2.12	0.43
2:6l:234:LEU:HB2	2:7h:232:TYR:OH	2.18	0.43
2:7h:120:ILE:CG1	2:8p:120:ILE:HD13	2.49	0.43
2:7i:242:LEU:CD1	2:8l:234:LEU:HD23	2.47	0.43
2:8k:206:VAL:HG23	2:9G:212:GLY:CA	2.41	0.43
2:8m:270:ILE:HG22	2:8m:274:LYS:HE2	1.99	0.43
2:1m:41:TYR:CD2	2:1m:57:MET:HE1	2.48	0.43
2:1m:247:LYS:HE3	2:2j:280:SER:OG	2.15	0.43
2:2j:222:LEU:CD1	2:1t:226:ILE:HG21	2.39	0.43
2:2m:148[B]:ILE:HD13	2:4j:148[B]:ILE:CD1	2.48	0.43
2:2m:241:THR:CG2	2:3t:234:LEU:HD22	2.36	0.43
2:3n:57:MET:HA	2:3n:57:MET:HE2	2.00	0.43
2:5j:76:ASN:ND2	2:5j:116:LYS:CG	2.80	0.43
2:6m:160:GLY:HA2	2:8u:173:LEU:HD13	2.00	0.43
2:6o:63:TRP:CD1	2:6o:112:ILE:HD11	2.54	0.43
2:6o:199:LEU:HD21	2:7j:186:ALA:HA	2.01	0.43
2:6p:132:GLY:N	2:8v:138:ILE:O	2.49	0.43
2:6p:266:LEU:CD2	2:8v:265:ASP:HB2	2.48	0.43
2:6p:269:LEU:CD2	2:8v:269:LEU:HD21	2.47	0.43
2:7l:53:THR:OG1	2:7l:54:GLN:N	2.51	0.43
2:8q:63:TRP:CD1	2:8q:112:ILE:HD11	2.54	0.43
2:8q:227:GLY:HA3	2:9H:219:LYS:HZ3	1.83	0.43
2:8s:121[B]:GLU:HA	2:9I:127:ASP:OD1	2.19	0.43
2:8t:246:LYS:HG2	2:8x:242:LEU:HD23	1.99	0.43
2:8v:179:ASN:ND2	2:8v:192:ASN:HD22	2.11	0.43
2:2o:230:VAL:HG12	2:1x:227:GLY:O	2.18	0.43
2:2p:240:THR:CA	2:3r:246:LYS:CD	2.93	0.43
2:2r:203:ASN:CB	2:3x:210:LEU:C	2.92	0.43
2:2s:23:GLN:HG3	2:1w:73:VAL:O	2.18	0.43
2:5k:270:ILE:HG22	2:5k:274:LYS:HE2	1.99	0.43
2:6q:160:GLY:HA2	2:9K:173:LEU:HD13	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7r:231:PRO:CG	2:9L:229:GLY:HA3	2.46	0.43
2:1u:215:THR:H	2:1u:218:ASN:ND2	2.17	0.43
2:2w:19:LEU:N	2:2w:41:TYR:O	2.46	0.43
2:2x:179:ASN:ND2	2:2x:192:ASN:HD22	2.11	0.43
2:4m:91:PRO:O	2:4m:92:SER:CB	2.67	0.43
2:5m:38:ILE:HD11	2:5m:114:ARG:HH22	1.73	0.43
2:5m:57:MET:HE2	2:5m:57:MET:HA	2.00	0.43
2:5n:148[B]:ILE:HD12	2:7u:148[B]:ILE:HD11	2.00	0.43
2:5n:200:LEU:HD22	2:7u:200:LEU:CD1	2.48	0.43
2:5n:228:ALA:CA	2:7u:229:GLY:O	2.62	0.43
2:6u:158[A]:ILE:HA	2:9Q:154:ALA:CB	2.49	0.43
2:6w:127:ASP:OD1	2:7t:121[B]:GLU:CA	2.63	0.43
2:6w:229:GLY:HA3	2:7t:230:VAL:C	2.43	0.43
2:6x:250:ALA:HA	2:7w:280:SER:O	2.18	0.43
2:7w:120:ILE:CG1	2:9R:120:ILE:HD13	2.49	0.43
2:9M:267:ASN:ND2	2:9J:254:SER:CB	2.39	0.43
1:1E:81:ASN:OD1	1:1E:81:ASN:C	2.60	0.43
1:1F:111:ASP:C	1:1F:111:ASP:OD1	2.61	0.43
1:2E:202:GLU:HA	1:2E:203:PRO:HD3	1.90	0.43
1:3A:4:THR:O	1:3A:5:PHE:HB2	2.18	0.43
1:3D:355:SER:CB	1:3D:356:PRO:CD	2.96	0.43
1:4E:19:ASP:OD1	1:4E:19:ASP:C	2.61	0.43
1:4E:265:ALA:O	1:4E:266:LYS:HB2	2.18	0.43
1:5F:265:ALA:O	1:5F:266:LYS:CB	2.65	0.43
1:5F:448:ALA:HA	2:5f:41:TYR:HD1	1.83	0.43
1:6A:448:ALA:C	2:6h:57:MET:HA	2.44	0.43
1:6B:122:ARG:HA	1:6C:143:THR:HG21	2.01	0.43
1:6B:445:GLY:C	2:6g:44:VAL:HG22	2.40	0.43
1:6E:81:ASN:OD1	1:6E:81:ASN:C	2.58	0.43
1:1G:249:LEU:HB2	1:1G:279:VAL:HG13	2.00	0.43
1:1I:443:SER:HG	2:1k:45:LYS:HZ1	1.53	0.43
1:3K:355:SER:CB	1:3K:356:PRO:CD	2.96	0.43
1:3L:156:TRP:O	1:3L:157:GLY:C	2.61	0.43
1:4H:203:PRO:CA	1:4H:212:GLU:CD	2.86	0.43
1:4K:200:ILE:HD13	1:4K:341:PHE:HB3	1.98	0.43
1:5J:397:THR:OG1	1:5J:398:GLY:N	2.51	0.43
1:5L:355:SER:O	1:5L:356:PRO:C	2.61	0.43
1:6L:151:THR:OG1	1:6L:152:ALA:N	2.52	0.43
1:7G:447:GLN:CG	2:7g:44:VAL:CG1	2.96	0.43
1:8I:30:ASP:OD1	1:8I:30:ASP:C	2.62	0.43
1:8J:93:LEU:HD12	1:8J:93:LEU:O	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1N:81:ASN:OD1	1:1N:81:ASN:C	2.60	0.43
1:3N:355:SER:CB	1:3N:356:PRO:HD3	2.49	0.43
1:4M:202:GLU:HG2	1:4M:343:SER:OG	2.18	0.43
1:4O:19:ASP:OD1	1:4O:19:ASP:C	2.61	0.43
1:4R:111:ASP:OD1	1:4R:111:ASP:C	2.61	0.43
1:5P:202:GLU:O	1:5P:209:ALA:CB	2.66	0.43
1:5R:446:ALA:HA	2:5j:56:ASN:N	2.17	0.43
1:6N:355:SER:CB	1:6N:356:PRO:HD3	2.47	0.43
1:6P:425:LYS:N	1:6P:426:PRO:HD3	2.34	0.43
1:7M:26:ASN:OD1	2:8n:52:LEU:CG	2.66	0.43
1:7N:19:ASP:OD1	1:7N:19:ASP:C	2.59	0.43
1:4V:30:ASP:OD1	1:4V:30:ASP:C	2.59	0.43
1:5T:67:ASP:O	1:5T:68:ARG:HB2	2.19	0.43
1:5U:91:ILE:HA	1:5U:92:PRO:HD2	1.94	0.43
1:5W:199:LYS:HG2	1:5W:202:GLU:HG2	1.95	0.43
1:5W:250:ILE:O	1:5W:251:ILE:HB	2.18	0.43
1:5W:265:ALA:O	1:5W:266:LYS:HB2	2.18	0.43
1:5X:406:GLY:O	1:5X:407:ASN:CB	2.66	0.43
1:7R:202:GLU:CA	1:7R:343:SER:HB2	2.48	0.43
1:1Y:312:VAL:O	1:1Y:312:VAL:CG1	2.63	0.43
1:1c:317:GLY:O	1:1c:318:LEU:HB2	2.17	0.43
1:3Y:235:SER:O	1:3Y:236:MET:CB	2.66	0.43
1:4Z:30:ASP:OD1	1:4Z:30:ASP:C	2.60	0.43
1:4c:265:ALA:O	1:4c:266:LYS:HB2	2.18	0.43
1:7W:202:GLU:O	1:7W:202:GLU:HG3	2.18	0.43
1:8Y:392:THR:O	2:9M:16:TYR:CE1	2.72	0.43
1:8b:93:LEU:HD12	1:8b:93:LEU:O	2.19	0.43
1:8b:111:ASP:OD1	1:8b:111:ASP:C	2.61	0.43
1:8d:93:LEU:N	1:8d:93:LEU:HD23	2.33	0.43
1:8d:203:PRO:HG2	1:8d:291:GLU:HG3	2.01	0.43
1:9E:397:THR:HG22	2:9J:107:LEU:CD1	2.49	0.43
2:1e:234:LEU:HG	2:2Z:242:LEU:HD12	2.00	0.43
2:1g:237:ALA:CB	2:3g:245:VAL:O	2.54	0.43
2:1g:278:ILE:HG22	2:3g:273:LEU:HD23	2.01	0.43
2:2a:57:MET:SD	2:3f:111:VAL:HG22	2.59	0.43
2:3f:57:MET:HA	2:3f:57:MET:HE2	2.00	0.43
2:3h:197:GLN:CD	2:2w:201:VAL:HA	2.43	0.43
2:5e:173:LEU:O	2:6g:167:LYS:HG2	2.18	0.43
2:5e:270:ILE:CG1	2:6g:251:VAL:HG21	2.47	0.43
2:6f:38:ILE:CD1	2:6f:114:ARG:HH22	2.29	0.43
2:6f:91:PRO:O	2:6f:92:SER:CB	2.67	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6g:127:ASP:OD2	2:7Z:121[B]:GLU:HB3	2.19	0.43
2:7d:77:LEU:HD11	2:7d:110:LEU:CD2	2.29	0.43
2:7d:245:VAL:O	2:9P:242:LEU:HD23	2.19	0.43
2:8g:97:TYR:OH	2:8g:111:VAL:HB	2.15	0.43
2:8g:196:LEU:HB3	2:9G:200:LEU:CD2	2.47	0.43
2:8i:111:VAL:HG13	2:7g:57:MET:CE	2.49	0.43
2:1j:242:LEU:CB	2:2f:234:LEU:HD23	2.49	0.43
2:2e:234:LEU:HG	2:1p:242:LEU:HB3	2.00	0.43
2:2f:199:LEU:CD1	2:3j:183:PHE:CD1	2.95	0.43
2:2i:120:ILE:O	2:3o:125:ILE:HA	2.19	0.43
2:3l:57:MET:HE2	2:3l:57:MET:HA	2.00	0.43
2:3l:97:TYR:OH	2:3l:111:VAL:HB	2.15	0.43
2:6i:269:LEU:CD1	2:8o:273:LEU:CD1	2.91	0.43
2:6j:225:MET:CG	2:5j:214:PRO:HG3	2.45	0.43
2:6j:247:LYS:HG2	2:7k:280:SER:OG	2.18	0.43
2:6l:120:ILE:HD12	2:8p:120:ILE:HD11	1.99	0.43
2:8m:175:PHE:CZ	2:9H:175:PHE:CZ	3.07	0.43
2:8n:63:TRP:CD1	2:8n:112:ILE:HD11	2.54	0.43
2:1o:270:ILE:CB	2:3o:251:VAL:CG2	2.85	0.43
2:2j:120:ILE:O	2:1t:125:ILE:HA	2.19	0.43
2:2j:158[B]:ILE:CD1	2:1t:154:ALA:HB1	2.48	0.43
2:2j:234:LEU:HG	2:1t:242:LEU:HB3	2.01	0.43
2:2j:248:GLY:O	2:1t:280:SER:CB	2.67	0.43
2:2l:57:MET:HE2	2:4i:111:VAL:HG13	2.00	0.43
2:2l:239:THR:HA	2:4i:247:LYS:N	2.33	0.43
2:2m:239:THR:H	2:3t:247:LYS:HB2	1.31	0.43
2:2n:120:ILE:O	2:3s:125:ILE:HA	2.19	0.43
2:6m:73:VAL:O	2:8u:23:GLN:HG3	2.18	0.43
2:6m:247:LYS:N	2:8u:237:ALA:HB1	2.34	0.43
2:6m:251:VAL:HG22	2:8u:270:ILE:HG23	2.01	0.43
2:7m:247:LYS:H	2:8v:237:ALA:HB1	1.82	0.43
2:8q:201:VAL:H	2:9H:193:LYS:HE3	1.83	0.43
2:8q:234:LEU:HD12	2:9H:234:LEU:HD22	1.74	0.43
2:8q:259:VAL:CG1	2:9H:258:ASP:C	2.80	0.43
2:8r:57:MET:HA	2:8r:57:MET:HE2	2.00	0.43
2:8s:175:PHE:CZ	2:9I:175:PHE:CZ	3.07	0.43
2:1s:57:MET:HE2	2:1s:57:MET:HA	2.00	0.43
2:2o:248:GLY:O	2:1x:280:SER:CB	2.67	0.43
2:2p:57:MET:HE2	2:3r:111:VAL:HG13	2.00	0.43
2:2p:240:THR:CA	2:3r:246:LYS:CG	2.96	0.43
2:2q:129:GLY:HA3	2:4k:138:ILE:O	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:193:LYS:CG	2:3w:200:LEU:C	2.91	0.43
2:2s:279:ILE:HG22	2:1w:248:GLY:HA3	2.01	0.43
2:5k:200:LEU:O	2:6s:193:LYS:HD3	2.17	0.43
2:5k:277:GLY:C	2:6s:247:LYS:HG3	2.34	0.43
2:6q:160:GLY:HA3	2:9K:151:ASN:ND2	2.33	0.43
2:6r:228:ALA:HB1	2:7u:228:ALA:HB1	2.01	0.43
2:6t:234:LEU:HB2	2:7r:232:TYR:OH	2.18	0.43
2:6t:259:VAL:CG2	2:7r:259:VAL:CG2	2.97	0.43
2:7r:53:THR:OG1	2:7r:54:GLN:N	2.51	0.43
2:7r:232:TYR:HD2	2:9L:232:TYR:CG	2.36	0.43
2:7s:59:PRO:HG3	2:8x:59:PRO:HG2	2.00	0.43
2:8y:219:LYS:O	2:9J:226:ILE:C	2.54	0.43
2:1w:180:VAL:HG23	2:3w:186:ALA:HB2	2.01	0.43
2:2u:240:THR:CA	2:3v:246:LYS:CG	2.97	0.43
2:2v:129:GLY:HA3	2:4m:138:ILE:O	2.19	0.43
2:2v:200:LEU:CD2	2:4m:200:LEU:HD11	2.47	0.43
2:2v:238:THR:C	2:4m:247:LYS:HB3	2.42	0.43
2:2w:251:VAL:HG11	2:4n:279:ILE:HD12	1.91	0.43
2:2w:270:ILE:HG22	2:2w:274:LYS:HE2	1.99	0.43
2:5m:91:PRO:O	2:5m:92:SER:CB	2.67	0.43
2:6x:28:ILE:HD12	2:9R:99:VAL:HA	2.00	0.43
2:9M:118:ILE:O	2:9M:118:ILE:HG23	2.18	0.43
2:9M:232:TYR:HB3	2:9J:232:TYR:HB2	1.88	0.43
2:9O:91:PRO:O	2:9O:92:SER:CB	2.67	0.43
2:9Q:91:PRO:O	2:9Q:92:SER:CB	2.67	0.43
1:1A:140:TYR:O	1:1A:323:TYR:HA	2.19	0.43
1:1B:19:ASP:OD1	1:1B:19:ASP:C	2.61	0.43
1:2D:224:LEU:HD22	1:2D:337:ASN:HB3	1.99	0.43
1:2E:58:GLN:O	1:2E:58:GLN:HG2	2.16	0.43
1:3C:203:PRO:HB3	1:3C:210:LEU:HA	2.00	0.43
1:3D:151:THR:OG1	1:3D:152:ALA:N	2.50	0.43
1:3F:205:SER:OG	1:3F:206:SER:N	2.45	0.43
1:4E:444:GLY:CA	2:4e:45:LYS:HZ1	2.30	0.43
1:4F:446:ALA:HA	2:4f:56:ASN:H	1.84	0.43
1:5C:145:GLN:HG2	1:5C:319:TYR:HB3	1.99	0.43
1:5F:362:LYS:HA	1:5F:438:ARG:HB3	2.01	0.43
1:6A:111:ASP:OD1	1:6A:111:ASP:C	2.60	0.43
1:6D:425:LYS:N	1:6D:426:PRO:HD3	2.34	0.43
1:6F:232:ASP:N	1:6F:232:ASP:OD1	2.50	0.43
1:7A:425:LYS:O	1:7A:426:PRO:C	2.61	0.43
1:7B:444:GLY:HA3	2:7b:45:LYS:NZ	2.33	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7B:446:ALA:CB	2:7b:41:TYR:CD2	2.60	0.43
1:9A:392:THR:CG2	2:9F:46:ASP:CG	2.86	0.43
1:2J:28:GLN:HG2	2:1j:52:LEU:HD11	2.00	0.43
1:3J:447:GLN:O	1:3J:448:ALA:C	2.62	0.43
1:4J:319:TYR:CD1	1:4J:319:TYR:C	2.96	0.43
1:5J:202:GLU:O	1:5J:209:ALA:HB1	2.18	0.43
1:5L:419:ASP:CB	1:5L:425:LYS:HZ3	2.13	0.43
1:5L:446:ALA:HA	2:5h:56:ASN:CB	2.48	0.43
1:6K:407:ASN:N	1:6K:407:ASN:OD1	2.51	0.43
1:1M:140:TYR:O	1:1M:323:TYR:HA	2.18	0.43
1:1N:236:MET:HG2	1:1N:334:ARG:HB3	1.99	0.43
1:1N:393:GLY:HA2	2:1n:107:LEU:CD1	2.47	0.43
1:1Q:398:GLY:O	1:1Q:399:ASP:HB2	2.19	0.43
1:1R:201:ASP:O	1:1R:202:GLU:HB3	2.19	0.43
1:2K:36:VAL:N	1:2K:37:PRO:HD2	2.33	0.43
1:2L:58:GLN:O	1:2L:58:GLN:HG2	2.18	0.43
1:3P:355:SER:CB	1:3P:356:PRO:CD	2.96	0.43
1:4M:407:ASN:OD1	1:4M:407:ASN:C	2.60	0.43
1:4Q:392:THR:HG22	2:4i:16:TYR:CD1	2.52	0.43
1:4R:419:ASP:OD1	1:4R:419:ASP:C	2.60	0.43
1:5P:306:LEU:HB3	1:5P:327:TRP:HB2	2.00	0.43
1:5Q:443:SER:HA	2:5i:45:LYS:HZ3	1.84	0.43
1:6N:21:VAL:O	1:6N:25:ARG:N	2.52	0.43
1:6R:151:THR:OG1	1:6R:152:ALA:N	2.52	0.43
1:6R:423:GLU:OE1	1:6R:423:GLU:N	2.43	0.43
1:7K:425:LYS:O	1:7K:426:PRO:C	2.61	0.43
1:7O:19:ASP:OD1	1:7O:19:ASP:C	2.61	0.43
1:8M:445:GLY:O	2:8q:44:VAL:HG11	2.18	0.43
1:1W:226:LEU:HA	1:1W:227:PRO:HD3	1.88	0.43
1:2R:363:GLN:HB3	1:2R:406:GLY:HA2	2.01	0.43
1:2S:356:PRO:HG2	1:2S:369:PHE:CD2	2.53	0.43
1:2T:355:SER:OG	1:2T:370:THR:HB	2.19	0.43
1:3V:81:ASN:OD1	1:3V:81:ASN:C	2.59	0.43
1:4U:217:MET:HB3	1:4U:217:MET:HE3	1.79	0.43
1:4V:226:LEU:HA	1:4V:227:PRO:HD3	1.86	0.43
1:4W:19:ASP:C	1:4W:19:ASP:OD1	2.61	0.43
1:4W:445:GLY:HA3	2:4k:54:GLN:O	2.19	0.43
1:5S:30:ASP:OD1	1:5S:30:ASP:C	2.60	0.43
1:5T:190:TYR:CD2	1:5T:190:TYR:C	2.97	0.43
1:5T:356:PRO:O	1:5T:357:ASN:HB2	2.19	0.43
1:5V:202:GLU:O	1:5V:209:ALA:CB	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5W:226:LEU:HA	1:5W:227:PRO:HD3	1.86	0.43
1:5X:422:THR:CG2	1:5X:427:LYS:CE	2.95	0.43
1:8V:446:ALA:HB1	2:9K:19:LEU:CD1	2.49	0.43
1:1Y:249:LEU:HB2	1:1Y:279:VAL:HG13	2.00	0.43
1:1d:201:ASP:O	1:1d:202:GLU:HB3	2.19	0.43
1:2W:30:ASP:OD1	1:2W:30:ASP:C	2.59	0.43
1:2W:121:GLU:O	1:2W:122:ARG:HB2	2.18	0.43
1:2X:139:PHE:CD1	1:2X:139:PHE:O	2.71	0.43
1:3b:355:SER:CB	1:3b:356:PRO:CD	2.96	0.43
1:3b:355:SER:O	1:3b:356:PRO:C	2.61	0.43
1:4c:140:TYR:CD1	1:4c:140:TYR:N	2.86	0.43
1:5Z:245:GLU:C	1:5Z:245:GLU:CD	2.87	0.43
1:8c:267:ALA:O	1:8c:269:ASN:N	2.52	0.43
2:1g:281:LEU:HA	2:3g:250:ALA:HB1	2.01	0.43
2:1h:41:TYR:OH	2:1h:57:MET:SD	2.76	0.43
2:1h:57:MET:HE2	2:2t:111:VAL:HG13	1.99	0.43
2:2Z:248:GLY:O	2:1l:280:SER:CB	2.67	0.43
2:2a:240:THR:CA	2:3f:246:LYS:CG	2.97	0.43
2:2b:122:VAL:N	2:3e:127:ASP:OD1	2.45	0.43
2:2b:129:GLY:HA3	2:4e:138:ILE:O	2.19	0.43
2:2b:244:GLY:C	2:3e:242:LEU:HD22	2.42	0.43
2:2d:57:MET:CE	2:1k:111:VAL:HG13	2.48	0.43
2:2d:120:ILE:O	2:3k:125:ILE:HA	2.18	0.43
2:2d:246:LYS:HE2	2:3k:240:THR:C	2.43	0.43
2:3e:63:TRP:CD1	2:3e:112:ILE:HD11	2.54	0.43
2:3g:200:LEU:C	2:2x:193:LYS:CG	2.91	0.43
2:3h:91:PRO:O	2:3h:92:SER:CB	2.67	0.43
2:4e:57:MET:HA	2:4e:57:MET:HE2	2.00	0.43
2:5e:215:THR:H	2:5e:218:ASN:ND2	2.17	0.43
2:6f:57:MET:HA	2:6f:57:MET:HE2	2.00	0.43
2:6f:97:TYR:CZ	2:6f:111:VAL:CB	2.82	0.43
2:6f:228:ALA:HA	2:5h:223:ARG:CD	2.48	0.43
2:6g:199:LEU:HD21	2:7Z:186:ALA:HA	2.01	0.43
2:7a:127:ASP:OD1	2:6v:122:VAL:N	2.42	0.43
2:7c:219:LYS:CE	2:8j:226:ILE:C	2.92	0.43
2:8e:125:ILE:HG12	2:9F:120:ILE:CG1	2.48	0.43
2:8e:183:PHE:CG	2:9F:183:PHE:HZ	2.34	0.43
2:8g:121[B]:GLU:HA	2:9G:127:ASP:OD1	2.19	0.43
2:8g:175:PHE:CZ	2:9G:175:PHE:CZ	3.07	0.43
2:2e:111:VAL:HG13	2:1p:57:MET:HE2	2.00	0.43
2:2e:246:LYS:HD3	2:1p:239:THR:C	2.44	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2i:53:THR:OG1	2:2i:54:GLN:N	2.51	0.43
2:2i:269:LEU:HD11	2:3o:279:ILE:HD13	1.99	0.43
2:3i:234:LEU:HD21	2:4g:243:GLY:CA	2.43	0.43
2:3j:215:THR:H	2:3j:218:ASN:ND2	2.17	0.43
2:6i:246:LYS:CE	2:8o:242:LEU:CD2	2.96	0.43
2:6k:173:LEU:HB3	2:7e:157:LEU:CD1	2.47	0.43
2:6l:215:THR:H	2:6l:218:ASN:ND2	2.17	0.43
2:6l:250:ALA:HA	2:7h:280:SER:O	2.19	0.43
2:8l:91:PRO:O	2:8l:92:SER:CB	2.67	0.43
2:8m:183:PHE:CZ	2:9H:199:LEU:HD12	2.52	0.43
2:8m:246:LYS:CE	2:9H:240:THR:O	2.45	0.43
2:1m:193:LYS:CD	2:2j:202:SER:HB3	2.46	0.43
2:1n:270:ILE:HG22	2:1n:274:LYS:HE2	1.99	0.43
2:1o:266:LEU:CG	2:3o:265:ASP:C	2.88	0.43
2:2j:53:THR:OG1	2:2j:54:GLN:N	2.51	0.43
2:2l:129:GLY:HA3	2:4i:138:ILE:O	2.19	0.43
2:2l:239:THR:HG22	2:4i:247:LYS:C	2.37	0.43
2:2m:180:VAL:HG11	2:3t:184:LEU:HD23	1.98	0.43
2:2m:206:VAL:HG21	2:3t:209:LEU:O	2.15	0.43
2:2n:167:LYS:HD3	2:3s:175:PHE:C	2.44	0.43
2:2n:193:LYS:CG	2:3s:200:LEU:C	2.91	0.43
2:4j:63:TRP:CD1	2:4j:112:ILE:HD11	2.54	0.43
2:5j:148[B]:ILE:HD12	2:7k:148[B]:ILE:HD11	2.00	0.43
2:5j:200:LEU:HD22	2:7k:200:LEU:CD1	2.48	0.43
2:6m:118:ILE:O	2:6m:118:ILE:HG23	2.18	0.43
2:6o:127:ASP:OD2	2:7j:121[B]:GLU:HB3	2.19	0.43
2:6p:215:THR:H	2:6p:218:ASN:ND2	2.17	0.43
2:8q:242:LEU:HD21	2:9H:236:ALA:HB2	1.96	0.43
2:8s:175:PHE:CZ	2:9I:175:PHE:HZ	2.33	0.43
2:8u:111:VAL:HG13	2:7q:57:MET:CE	2.49	0.43
2:1q:38:ILE:CD1	2:1q:114:ARG:HH22	2.29	0.43
2:2o:234:LEU:HG	2:1x:242:LEU:HB3	2.01	0.43
2:2q:57:MET:SD	2:4k:111:VAL:HG21	2.59	0.43
2:2r:59:PRO:O	2:4l:59:PRO:HG2	2.19	0.43
2:3r:215:THR:H	2:3r:218:ASN:ND2	2.17	0.43
2:3s:118:ILE:O	2:3s:118:ILE:HG23	2.18	0.43
2:3t:91:PRO:O	2:3t:92:SER:CB	2.67	0.43
2:4k:57:MET:HE2	2:4k:57:MET:HA	2.00	0.43
2:5k:173:LEU:O	2:6s:167:LYS:HG2	2.18	0.43
2:5k:259:VAL:CG2	2:6s:259:VAL:HG23	2.48	0.43
2:6q:138:ILE:O	2:9K:132:GLY:N	2.39	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:176:SER:HB3	2:9I:164:ASN:OD1	2.18	0.43
2:8y:148[A]:ILE:CG2	2:9M:145:ARG:CG	2.93	0.43
2:8z:239:THR:HA	2:7x:247:LYS:H	1.84	0.43
2:1v:63:TRP:CD1	2:1v:112:ILE:HD11	2.54	0.43
2:1w:183:PHE:CE2	2:3w:183:PHE:CZ	3.07	0.43
2:2t:19:LEU:N	2:2t:41:TYR:O	2.46	0.43
2:2u:238:THR:C	2:3v:247:LYS:CB	2.61	0.43
2:2v:209:LEU:CD2	2:3u:209:LEU:CD2	2.95	0.43
2:2v:246:LYS:HG2	2:3u:240:THR:C	2.43	0.43
2:5m:138:ILE:O	2:7t:129:GLY:HA3	2.19	0.43
2:5n:239:THR:HG22	2:7u:247:LYS:C	2.42	0.43
2:6v:270:ILE:HG22	2:6v:274:LYS:HE2	1.99	0.43
2:6w:63:TRP:CD1	2:6w:112:ILE:HD11	2.54	0.43
2:9M:63:TRP:CD1	2:9M:112:ILE:HD11	2.54	0.43
2:9M:259:VAL:CG1	2:9J:258:ASP:C	2.80	0.43
2:9R:63:TRP:CD1	2:9R:112:ILE:HD11	2.54	0.43
1:3A:96:THR:HA	1:3A:132:HIS:O	2.19	0.43
1:3D:81:ASN:OD1	1:3D:81:ASN:C	2.59	0.43
1:4E:286:ALA:O	1:4E:287:SER:HB3	2.19	0.43
1:4F:391:SER:OG	1:4F:392:THR:N	2.42	0.43
1:4F:419:ASP:OD1	1:4F:419:ASP:C	2.60	0.43
1:7A:271:ASN:OD1	1:7A:271:ASN:C	2.61	0.43
1:8A:356:PRO:O	1:8A:357:ASN:HB2	2.19	0.43
1:8F:93:LEU:N	1:8F:93:LEU:HD23	2.33	0.43
1:8F:200:ILE:HD13	1:8F:341:PHE:HB3	2.01	0.43
1:8F:355:SER:HB3	1:8F:356:PRO:CD	2.49	0.43
1:1K:226:LEU:HA	1:1K:227:PRO:HD3	1.88	0.43
1:1K:398:GLY:O	1:1K:399:ASP:HB2	2.19	0.43
1:3G:226:LEU:HA	1:3G:227:PRO:HD3	1.89	0.43
1:3J:355:SER:O	1:3J:356:PRO:C	2.61	0.43
1:4H:387:VAL:O	1:4H:387:VAL:HG13	2.18	0.43
1:4K:140:TYR:CD1	1:4K:140:TYR:N	2.86	0.43
1:4K:251:ILE:HG23	1:4K:251:ILE:O	2.18	0.43
1:4K:265:ALA:O	1:4K:266:LYS:HB2	2.18	0.43
1:4K:356:PRO:HG2	1:4K:369:PHE:CD2	2.54	0.43
1:5H:356:PRO:O	1:5H:357:ASN:HB2	2.19	0.43
1:5L:443:SER:HA	2:5h:45:LYS:CD	2.47	0.43
1:5L:444:GLY:CA	2:5h:45:LYS:HG2	2.49	0.43
1:7J:407:ASN:HD21	2:7h:45:LYS:CG	2.31	0.43
1:8H:446:ALA:N	2:8l:44:VAL:H	2.08	0.43
1:1M:312:VAL:O	1:1M:312:VAL:CG1	2.63	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1M:446:ALA:HB2	2:1m:19:LEU:HD12	1.90	0.43
1:1P:393:GLY:CA	2:1p:107:LEU:HD11	2.48	0.43
1:3M:235:SER:O	1:3M:236:MET:CB	2.66	0.43
1:3O:444:GLY:H	2:3p:45:LYS:HZ1	1.67	0.43
1:4Q:19:ASP:OD1	1:4Q:19:ASP:C	2.61	0.43
1:4Q:251:ILE:O	1:4Q:251:ILE:HG23	2.18	0.43
1:4Q:265:ALA:O	1:4Q:266:LYS:HB2	2.18	0.43
1:4Q:356:PRO:HG2	1:4Q:369:PHE:CD2	2.54	0.43
1:5Q:204:THR:HG1	1:5Q:212:GLU:CD	2.12	0.43
1:5R:406:GLY:O	1:5R:407:ASN:CB	2.66	0.43
1:5R:446:ALA:O	2:5j:56:ASN:HB2	2.18	0.43
1:5R:448:ALA:HA	2:5j:41:TYR:CE1	2.48	0.43
1:7M:111:ASP:OD1	1:7M:111:ASP:C	2.61	0.43
1:8O:392:THR:HG22	2:8v:107:LEU:HD11	2.00	0.43
1:8R:230:SER:OG	1:8R:231:ARG:N	2.50	0.43
1:1U:200:ILE:HG22	1:1U:216:LYS:HD3	1.99	0.43
1:1X:356:PRO:CB	1:1X:369:PHE:CE2	2.99	0.43
1:2R:393:GLY:H	2:2p:46:ASP:CG	2.27	0.43
1:3V:447:GLN:O	1:3V:448:ALA:C	2.62	0.43
1:4T:387:VAL:O	1:4T:387:VAL:HG13	2.18	0.43
1:4U:19:ASP:OD1	1:4U:19:ASP:C	2.61	0.43
1:4X:447:GLN:HG2	2:4l:44:VAL:HG11	1.99	0.43
1:5T:245:GLU:CD	1:5T:245:GLU:C	2.87	0.43
1:6U:208:GLY:O	1:6U:212:GLU:HG3	2.19	0.43
1:6V:170:ILE:O	1:6V:171:TYR:CB	2.66	0.43
1:6X:444:GLY:C	2:6q:44:VAL:HG23	2.25	0.43
1:7P:271:ASN:OD1	1:7P:271:ASN:C	2.61	0.43
1:7S:420:ILE:HG13	1:7S:427:LYS:HB2	2.00	0.43
1:7T:19:ASP:C	1:7T:19:ASP:OD1	2.61	0.43
1:8T:314:ASN:OD1	1:8T:314:ASN:C	2.62	0.43
1:8X:93:LEU:HD23	1:8X:93:LEU:N	2.33	0.43
1:1b:445:GLY:H	2:1x:44:VAL:CG2	2.30	0.43
1:2W:363:GLN:HB3	1:2W:406:GLY:HA2	2.01	0.43
1:4Z:135:ASN:N	1:4Z:135:ASN:OD1	2.50	0.43
1:4c:203:PRO:HA	1:4c:212:GLU:HG3	2.01	0.43
1:5Z:215:LYS:HD2	1:5a:258:GLU:HG2	2.00	0.43
1:6Y:190:TYR:CD2	1:6Y:190:TYR:C	2.96	0.43
1:6a:208:GLY:O	1:6a:212:GLU:HG3	2.19	0.43
1:6b:425:LYS:N	1:6b:426:PRO:HD3	2.34	0.43
1:7V:384:VAL:HG13	2:7v:106:GLN:HE22	1.84	0.43
1:8Y:392:THR:HB	2:9M:16:TYR:CE1	2.54	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1e:73:VAL:HG11	2:2Z:27:ILE:CA	2.43	0.43
2:1e:91:PRO:O	2:1e:92:SER:CB	2.67	0.43
2:1e:225:MET:SD	2:1l:209:LEU:CD1	3.07	0.43
2:1f:206:VAL:HG11	2:2a:210:LEU:HA	2.01	0.43
2:1g:111:VAL:HG13	2:2x:57:MET:CE	2.48	0.43
2:1h:239:THR:C	2:2t:246:LYS:HD3	2.43	0.43
2:1h:242:LEU:HB3	2:2t:234:LEU:HG	2.01	0.43
2:1h:280:SER:CB	2:2t:248:GLY:O	2.66	0.43
2:2Z:210:LEU:CD2	2:1l:206:VAL:HG11	2.43	0.43
2:2a:174:LEU:CD2	2:3f:174:LEU:HD11	2.48	0.43
2:2a:238:THR:C	2:3f:247:LYS:CB	2.61	0.43
2:2a:242:LEU:HB2	2:3f:234:LEU:HG	2.01	0.43
2:2c:242:LEU:CD2	2:3l:237:ALA:N	2.57	0.43
2:3e:179:ASN:ND2	2:3e:192:ASN:HD22	2.11	0.43
2:3e:246:LYS:HD3	2:4e:240:THR:HA	2.01	0.43
2:3f:41:TYR:CD2	2:3f:57:MET:HE1	2.48	0.43
2:3g:240:THR:C	2:2x:246:LYS:HE2	2.43	0.43
2:3g:266:LEU:CD1	2:2x:266:LEU:HA	2.49	0.43
2:3g:270:ILE:HG12	2:2x:269:LEU:HD13	2.01	0.43
2:3h:91:PRO:O	2:3h:92:SER:HB3	2.19	0.43
2:6e:111:VAL:HG21	2:8i:41:TYR:OH	2.19	0.43
2:6e:163:THR:H	2:6e:166:ASN:ND2	2.09	0.43
2:6e:280:SER:CA	2:7g:247:LYS:HE2	2.49	0.43
2:6g:63:TRP:CD1	2:6g:112:ILE:HD11	2.54	0.43
2:6h:120:ILE:CD1	2:8j:120:ILE:CD1	2.97	0.43
2:6h:270:ILE:HG22	2:6h:274:LYS:HE2	1.99	0.43
2:7a:242:LEU:HD13	2:6v:236:ALA:HA	1.99	0.43
2:7a:270:ILE:HG22	2:7a:274:LYS:HE2	1.99	0.43
2:8g:184:LEU:CD2	2:9G:180:VAL:HG11	2.48	0.43
2:8h:225:MET:CG	2:7i:209:LEU:HD12	2.46	0.43
2:8h:239:THR:HA	2:7i:247:LYS:H	1.84	0.43
2:9F:127:ASP:OD1	2:9O:121[B]:GLU:HA	2.19	0.43
2:1i:225:MET:SD	2:1p:209:LEU:CD1	3.07	0.43
2:2e:270:ILE:HG22	2:2e:274:LYS:HE2	1.99	0.43
2:2f:203:ASN:ND2	2:3j:212:GLY:HA3	2.05	0.43
2:2g:179:ASN:ND2	2:2g:192:ASN:HD22	2.11	0.43
2:2h:59:PRO:O	2:4h:59:PRO:HG2	2.19	0.43
2:2i:167:LYS:HD3	2:3o:175:PHE:C	2.43	0.43
2:3l:91:PRO:O	2:3l:92:SER:HB3	2.19	0.43
2:6i:163:THR:H	2:6i:166:ASN:ND2	2.09	0.43
2:6i:246:LYS:CG	2:8o:242:LEU:CD2	2.76	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6i:280:SER:CA	2:7l:247:LYS:HE2	2.49	0.43
2:6j:91:PRO:O	2:6j:92:SER:CB	2.67	0.43
2:6k:243:GLY:CA	2:7e:234:LEU:CD2	2.71	0.43
2:8k:63:TRP:CD1	2:8k:112:ILE:HD11	2.54	0.43
2:8k:175:PHE:HA	2:9G:171:GLN:HE22	1.79	0.43
2:8k:183:PHE:CG	2:9G:183:PHE:HZ	2.34	0.43
2:8m:219:LYS:HE3	2:9H:224:THR:O	2.19	0.43
2:8n:239:THR:HG22	2:7n:247:LYS:HG2	2.01	0.43
2:8o:215:THR:H	2:8o:218:ASN:ND2	2.17	0.43
2:1o:179:ASN:ND2	2:1o:192:ASN:HD22	2.11	0.43
2:1o:183:PHE:CE2	2:3o:183:PHE:CZ	3.07	0.43
2:2m:158[B]:ILE:HA	2:4j:154:ALA:CB	2.48	0.43
2:2m:201:VAL:HA	2:3t:197:GLN:CD	2.43	0.43
2:2n:279:ILE:HG22	2:1s:248:GLY:HA3	2.01	0.43
2:3m:118:ILE:O	2:3m:118:ILE:HG23	2.18	0.43
2:3n:215:THR:H	2:3n:218:ASN:ND2	2.17	0.43
2:5i:223:ARG:HG2	2:7j:226:ILE:O	2.17	0.43
2:6m:119:SER:HB3	2:8u:126:LYS:HE2	2.01	0.43
2:6o:242:LEU:HB3	2:7j:244:GLY:HA3	2.01	0.43
2:6p:259:VAL:HG22	2:7m:259:VAL:CG2	2.45	0.43
2:8q:238:THR:C	2:9H:246:LYS:HB3	2.43	0.43
2:8s:215:THR:H	2:8s:218:ASN:ND2	2.17	0.43
2:8t:239:THR:HA	2:7s:247:LYS:H	1.84	0.43
2:8u:57:MET:HA	2:8u:57:MET:HE2	2.00	0.43
2:8u:270:ILE:HG22	2:8u:274:LYS:HE2	1.99	0.43
2:1r:126:LYS:C	2:1r:126:LYS:CD	2.85	0.43
2:1s:200:LEU:O	2:3s:193:LYS:HD3	2.16	0.43
2:2p:57:MET:SD	2:3r:111:VAL:HG22	2.59	0.43
2:2r:27:ILE:CA	2:3x:73:VAL:HG11	2.48	0.43
2:2s:193:LYS:HG2	2:3w:200:LEU:C	2.43	0.43
2:5k:176:SER:HB3	2:6s:164:ASN:OD1	2.19	0.43
2:5l:148[B]:ILE:HD12	2:7p:148[B]:ILE:HD11	2.00	0.43
2:6q:3:VAL:HG22	2:7v:61:ALA:HB3	2.01	0.43
2:6r:234:LEU:HD23	2:7u:242:LEU:C	2.43	0.43
2:6s:127:ASP:OD2	2:7o:121[B]:GLU:HB3	2.19	0.43
2:6t:91:PRO:O	2:6t:92:SER:HB3	2.19	0.43
2:7r:120:ILE:CG1	2:9L:120:ILE:HD13	2.49	0.43
2:7r:193:LYS:HE3	2:9L:199:LEU:O	2.17	0.43
2:8w:158[A]:ILE:HD11	2:9I:158[A]:ILE:HD11	1.99	0.43
2:8w:237:ALA:HB2	2:9I:245:VAL:CA	2.41	0.43
2:8y:57:MET:SD	2:9M:111:VAL:HG13	2.58	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8z:63:TRP:CD1	2:8z:112:ILE:HD11	2.54	0.43
2:9K:111:VAL:HG13	2:7v:57:MET:CE	2.49	0.43
2:1w:269:LEU:CB	2:3w:269:LEU:CD2	2.94	0.43
2:2w:148[B]:ILE:HD13	2:4n:148[B]:ILE:CD1	2.48	0.43
2:3v:57:MET:HE2	2:3v:57:MET:HA	2.00	0.43
2:3x:91:PRO:O	2:3x:92:SER:HB3	2.19	0.43
2:6u:247:LYS:N	2:9Q:237:ALA:HB1	2.34	0.43
2:6v:57:MET:HE2	2:6v:57:MET:HA	2.00	0.43
2:6v:91:PRO:O	2:6v:92:SER:CB	2.67	0.43
2:6v:215:THR:H	2:6v:218:ASN:ND2	2.17	0.43
2:6w:179:ASN:ND2	2:6w:192:ASN:HD22	2.11	0.43
2:6x:179:ASN:ND2	2:6x:192:ASN:HD22	2.11	0.43
2:7w:139:ASN:OD1	2:9R:130:ASP:N	2.36	0.43
2:7x:19:LEU:N	2:7x:41:TYR:O	2.46	0.43
2:9N:215:THR:H	2:9N:218:ASN:ND2	2.17	0.43
2:9P:63:TRP:CD1	2:9P:112:ILE:HD11	2.54	0.43
1:1D:111:ASP:C	1:1D:111:ASP:OD1	2.61	0.43
1:1D:314:ASN:O	1:1D:317:GLY:N	2.51	0.43
1:2E:438:ARG:O	1:2E:439:PRO:C	2.62	0.43
1:3C:245:GLU:OE1	1:3C:245:GLU:N	2.34	0.43
1:3F:355:SER:CB	1:3F:356:PRO:HD3	2.48	0.43
1:5C:77:VAL:O	1:5C:77:VAL:HG13	2.18	0.43
1:5C:334:ARG:O	1:5C:335:PHE:HB2	2.18	0.43
1:5D:111:ASP:OD1	1:5D:111:ASP:C	2.60	0.43
1:5E:445:GLY:O	2:5e:44:VAL:HG23	2.19	0.43
1:6E:412:LEU:HB2	1:6E:435:VAL:HB	2.01	0.43
1:7A:145:GLN:HG2	1:7A:319:TYR:HB3	2.01	0.43
1:3H:423:GLU:H	1:3H:423:GLU:CD	2.21	0.43
1:3K:56:THR:O	1:3K:56:THR:HG22	2.18	0.43
1:3L:355:SER:CB	1:3L:356:PRO:HD3	2.48	0.43
1:4L:419:ASP:OD1	1:4L:419:ASP:C	2.60	0.43
1:6G:190:TYR:CD2	1:6G:190:TYR:C	2.96	0.43
1:6G:438:ARG:HA	1:6G:439:PRO:HD3	1.90	0.43
1:6J:170:ILE:O	1:6J:171:TYR:CB	2.66	0.43
1:6J:232:ASP:OD1	1:6J:232:ASP:C	2.59	0.43
1:6L:314:ASN:OD1	1:6L:314:ASN:C	2.61	0.43
1:7J:135:ASN:N	1:7J:135:ASN:OD1	2.51	0.43
1:8K:228:GLN:OE1	1:8K:228:GLN:N	2.31	0.43
1:1M:445:GLY:N	2:1m:44:VAL:HB	2.34	0.43
1:1O:443:SER:CA	2:1o:45:LYS:HZ1	2.31	0.43
1:2O:423:GLU:O	1:2O:424:ASP:HB2	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3M:374:ARG:HD3	1:3M:374:ARG:HA	1.80	0.43
1:3P:151:THR:OG1	1:3P:152:ALA:N	2.50	0.43
1:4P:319:TYR:CD1	1:4P:319:TYR:C	2.96	0.43
1:5N:19:ASP:O	1:5N:20:ILE:C	2.61	0.43
1:5O:236:MET:HG2	1:5O:334:ARG:HB3	2.00	0.43
1:6Q:407:ASN:OD1	1:6Q:407:ASN:N	2.51	0.43
1:7K:145:GLN:HG2	1:7K:319:TYR:HB3	2.01	0.43
1:7K:234:ASN:OD1	1:7K:234:ASN:C	2.61	0.43
1:7O:446:ALA:O	2:7m:55:VAL:HA	2.18	0.43
1:8O:448:ALA:O	2:8v:63:TRP:NE1	2.38	0.43
1:2T:314:ASN:OD1	1:2T:314:ASN:C	2.62	0.43
1:3X:19:ASP:OD1	1:3X:19:ASP:C	2.60	0.43
1:4T:30:ASP:OD1	1:4T:30:ASP:C	2.60	0.43
1:4W:251:ILE:O	1:4W:251:ILE:HG23	2.18	0.43
1:4W:286:ALA:O	1:4W:287:SER:HB3	2.19	0.43
1:5X:36:VAL:N	1:5X:37:PRO:HD2	2.33	0.43
1:6U:288:THR:OG1	1:6U:289:GLY:N	2.49	0.43
1:7R:5:PHE:O	1:7R:6:ASN:HB2	2.17	0.43
1:1d:245:GLU:OE1	1:1d:245:GLU:N	2.34	0.43
1:2Y:355:SER:OG	1:2Y:370:THR:HB	2.19	0.43
1:3Y:96:THR:HA	1:3Y:132:HIS:O	2.19	0.43
1:5Z:437:ILE:O	1:5Z:438:ARG:CB	2.67	0.43
1:5a:61:PHE:O	1:5a:62:ILE:HB	2.18	0.43
1:5c:447:GLN:HB3	2:5m:60:LEU:HD11	2.00	0.43
1:5d:396:ILE:HG21	1:5d:396:ILE:HD13	1.68	0.43
1:6Y:202:GLU:HA	1:6Y:203:PRO:HD3	1.56	0.43
1:6Y:438:ARG:HA	1:6Y:439:PRO:HD3	1.90	0.43
1:6c:443:SER:O	2:6v:45:LYS:HE3	2.19	0.43
1:6d:445:GLY:O	2:6u:44:VAL:N	2.51	0.43
1:7W:332:VAL:HB	1:7X:49:ALA:HA	2.01	0.43
1:8c:82:PRO:O	1:8c:83:LEU:CB	2.65	0.43
2:1e:215:THR:H	2:1e:218:ASN:ND2	2.17	0.43
2:1f:239:THR:O	2:2a:246:LYS:HB3	2.19	0.43
2:1g:179:ASN:ND2	2:1g:192:ASN:HD22	2.11	0.43
2:1g:183:PHE:CE2	2:3g:183:PHE:CZ	3.07	0.43
2:2b:230:VAL:O	2:3e:229:GLY:HA3	2.19	0.43
2:2c:59:PRO:O	2:4f:59:PRO:HG2	2.19	0.43
2:2c:206:VAL:HG21	2:3l:209:LEU:O	2.15	0.43
2:2d:127:ASP:CG	2:1k:121[A]:GLU:HB2	2.44	0.43
2:3e:200:LEU:CD1	2:4e:200:LEU:HD13	2.49	0.43
2:3g:63:TRP:CD1	2:3g:112:ILE:HD11	2.54	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:225:MET:HG3	2:2x:214:PRO:HD2	2.00	0.43
2:3g:279:ILE:HD13	2:2x:269:LEU:HD11	2.00	0.43
2:5e:176:SER:HB3	2:6g:164:ASN:OD1	2.19	0.43
2:6e:3:VAL:HG22	2:7g:61:ALA:HB3	2.01	0.43
2:6e:253:ALA:HB1	2:8i:267:ASN:HB3	2.01	0.43
2:6f:228:ALA:HB1	2:7f:228:ALA:HB1	2.01	0.43
2:6h:250:ALA:HA	2:7c:280:SER:O	2.18	0.43
2:7a:228:ALA:HA	2:6v:229:GLY:O	2.18	0.43
2:7b:247:LYS:HE2	2:6u:280:SER:CA	2.49	0.43
2:7d:59:PRO:HG3	2:8f:59:PRO:HG2	2.01	0.43
2:7d:209:LEU:HD12	2:9P:225:MET:CG	2.46	0.43
2:8g:129:GLY:CA	2:8k:139:ASN:HA	2.45	0.43
2:8g:246:LYS:CG	2:9G:239:THR:O	2.60	0.43
2:8h:242:LEU:HD21	2:7i:244:GLY:C	2.21	0.43
2:8i:91:PRO:O	2:8i:92:SER:CB	2.67	0.43
2:1k:91:PRO:O	2:1k:92:SER:CB	2.67	0.43
2:1l:63:TRP:CD1	2:1l:112:ILE:HD11	2.54	0.43
2:2f:57:MET:SD	2:3j:111:VAL:CG2	3.07	0.43
2:2h:158[B]:ILE:CG2	2:4h:149[B]:ILE:HG23	2.49	0.43
2:2h:180:VAL:HG11	2:3p:184:LEU:HD23	1.98	0.43
2:2h:200:LEU:HD23	2:3p:196:LEU:HB3	2.01	0.43
2:2i:279:ILE:CD1	2:1o:251:VAL:CG1	2.82	0.43
2:3j:57:MET:HE2	2:3j:57:MET:HA	2.00	0.43
2:3k:63:TRP:CD1	2:3k:112:ILE:HD11	2.54	0.43
2:4g:91:PRO:O	2:4g:92:SER:CB	2.67	0.43
2:5g:91:PRO:O	2:5g:92:SER:CB	2.67	0.43
2:5g:176:SER:HB3	2:6k:164:ASN:OD1	2.19	0.43
2:5h:239:THR:CG2	2:7f:247:LYS:HB3	2.49	0.43
2:6j:228:ALA:N	2:5j:223:ARG:CD	2.73	0.43
2:6l:91:PRO:O	2:6l:92:SER:HB3	2.19	0.43
2:6l:259:VAL:CG2	2:7h:259:VAL:CG2	2.97	0.43
2:7g:53:THR:OG1	2:7g:54:GLN:N	2.51	0.43
2:8m:222:LEU:O	2:9H:226:ILE:CD1	2.63	0.43
2:8o:111:VAL:HG13	2:7l:57:MET:CE	2.49	0.43
2:1m:234:LEU:HD21	2:2j:242:LEU:O	2.18	0.43
2:1n:200:LEU:CD2	2:2k:200:LEU:HD11	2.47	0.43
2:1n:227:GLY:HA3	2:2k:223:ARG:HH11	1.83	0.43
2:1o:180:VAL:HG23	2:3o:186:ALA:HB2	2.01	0.43
2:1p:63:TRP:CD1	2:1p:112:ILE:HD11	2.54	0.43
2:2j:111:VAL:HG13	2:1t:57:MET:HE2	1.99	0.43
2:2l:57:MET:SD	2:4i:111:VAL:HG21	2.59	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2l:270:ILE:HG22	2:2l:274:LYS:HE2	1.99	0.43
2:2n:269:LEU:HD13	2:3s:270:ILE:HG12	2.01	0.43
2:3m:63:TRP:CD1	2:3m:112:ILE:HD11	2.54	0.43
2:5j:242:LEU:HD23	2:7k:245:VAL:CA	2.49	0.43
2:6m:111:VAL:HG21	2:8u:41:TYR:OH	2.19	0.43
2:6n:57:MET:HE2	2:6n:57:MET:HA	2.00	0.43
2:6o:173:LEU:CB	2:7j:157:LEU:HD12	2.43	0.43
2:6p:57:MET:HA	2:6p:57:MET:HE2	2.00	0.43
2:7j:179:ASN:ND2	2:7j:192:ASN:HD22	2.11	0.43
2:8q:154:ALA:HB1	2:9H:158[B]:ILE:HA	1.95	0.43
2:8s:212:GLY:CA	2:9I:203:ASN:CG	2.88	0.43
2:8s:219:LYS:C	2:9I:226:ILE:O	2.52	0.43
2:1q:91:PRO:O	2:1q:92:SER:CB	2.67	0.43
2:1q:97:TYR:OH	2:1q:111:VAL:HB	2.15	0.43
2:1q:225:MET:SD	2:1x:209:LEU:CD1	3.07	0.43
2:2r:201:VAL:HA	2:3x:197:GLN:CD	2.43	0.43
2:2s:269:LEU:HD13	2:3w:270:ILE:HG12	2.01	0.43
2:4l:76:ASN:HD21	2:4l:116:LYS:HD3	1.78	0.43
2:6q:63:TRP:CD1	2:6q:112:ILE:HD11	2.54	0.43
2:6t:120:ILE:HD12	2:9L:120:ILE:HD11	1.99	0.43
2:8w:237:ALA:HB2	2:9I:245:VAL:N	2.34	0.43
2:8y:179:ASN:ND2	2:8y:192:ASN:HD22	2.11	0.43
2:9K:57:MET:HA	2:9K:57:MET:HE2	2.00	0.43
2:1v:239:THR:O	2:2u:246:LYS:HB3	2.19	0.43
2:2v:246:LYS:NZ	2:3u:240:THR:O	2.48	0.43
2:3x:179:ASN:ND2	2:3x:192:ASN:HD22	2.11	0.43
2:5m:259:VAL:CG2	2:6w:259:VAL:HG23	2.48	0.43
2:6u:160:GLY:HA2	2:9Q:173:LEU:HD13	2.00	0.43
2:6x:259:VAL:CG2	2:7w:259:VAL:CG2	2.97	0.43
2:7w:232:TYR:HD2	2:9R:232:TYR:CG	2.36	0.43
2:9N:57:MET:HE2	2:9N:57:MET:HA	2.00	0.43
1:1E:398:GLY:O	1:1E:399:ASP:HB2	2.19	0.43
1:3A:36:VAL:N	1:3A:37:PRO:HD2	2.34	0.43
1:4B:387:VAL:O	1:4B:387:VAL:HG13	2.18	0.43
1:5B:20:ILE:O	1:5B:23:ALA:N	2.52	0.43
1:6A:142:GLN:HA	1:6A:142:GLN:NE2	2.34	0.43
1:6D:54:ASN:OD1	1:6D:54:ASN:C	2.60	0.43
1:6F:392:THR:HG23	2:6e:107:LEU:HD11	1.99	0.43
1:8C:446:ALA:CA	2:8j:44:VAL:HG22	2.49	0.43
1:8D:445:GLY:H	2:8i:44:VAL:HB	1.84	0.43
1:1I:446:ALA:HB1	2:1k:42:VAL:O	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1L:201:ASP:O	1:1L:202:GLU:HB3	2.19	0.43
1:2H:121:GLU:O	1:2H:122:ARG:HB2	2.18	0.43
1:3I:377:ASN:O	1:3I:378:ALA:CB	2.67	0.43
1:4G:396:ILE:O	1:4G:396:ILE:HG23	2.19	0.43
1:5I:61:PHE:O	1:5I:62:ILE:HB	2.19	0.43
1:6G:425:LYS:O	1:6G:425:LYS:CG	2.65	0.43
1:6H:122:ARG:HA	1:6I:143:THR:HG21	2.01	0.43
1:7H:202:GLU:CA	1:7H:343:SER:HB2	2.48	0.43
1:7I:28:GLN:CG	2:6e:52:LEU:HD11	2.49	0.43
1:1M:76:GLN:O	1:1M:76:GLN:HG2	2.19	0.43
1:1P:111:ASP:OD1	1:1P:111:ASP:C	2.61	0.43
1:3R:19:ASP:OD1	1:3R:19:ASP:C	2.60	0.43
1:4M:228:GLN:OE1	1:4M:228:GLN:N	2.40	0.43
1:5R:391:SER:OG	1:5R:392:THR:N	2.49	0.43
1:5R:422:THR:CG2	1:5R:427:LYS:CE	2.95	0.43
1:6R:119:VAL:O	1:6R:120:PHE:HB2	2.18	0.43
1:6R:446:ALA:CA	2:6m:44:VAL:HG13	2.48	0.43
1:8P:111:ASP:OD1	1:8P:111:ASP:C	2.61	0.43
1:8R:36:VAL:N	1:8R:37:PRO:HD2	2.34	0.43
1:1U:443:SER:CA	2:1s:45:LYS:HZ1	2.32	0.43
1:1W:27:SER:OG	1:1W:29:GLY:O	2.37	0.43
1:2T:58:GLN:O	1:2T:58:GLN:HG2	2.16	0.43
1:2T:407:ASN:HD21	2:2s:46:ASP:HB2	1.83	0.43
1:3S:96:THR:HA	1:3S:132:HIS:O	2.19	0.43
1:3X:156:TRP:O	1:3X:157:GLY:C	2.61	0.43
1:4W:265:ALA:O	1:4W:266:LYS:HB2	2.18	0.43
1:5T:343:SER:OG	1:5T:344:GLY:N	2.44	0.43
1:5T:437:ILE:O	1:5T:438:ARG:CB	2.67	0.43
1:5X:396:ILE:HD13	1:5X:396:ILE:HG21	1.68	0.43
1:6S:111:ASP:OD1	1:6S:111:ASP:C	2.60	0.43
1:6W:419:ASP:OD1	1:6W:419:ASP:C	2.62	0.43
1:6W:423:GLU:OE1	1:6W:423:GLU:N	2.35	0.43
1:7S:393:GLY:H	2:7o:46:ASP:CG	2.27	0.43
1:8X:36:VAL:N	1:8X:37:PRO:HD2	2.34	0.43
1:2U:447:GLN:HG2	2:2w:56:ASN:HB2	2.01	0.43
1:2Y:438:ARG:O	1:2Y:439:PRO:C	2.62	0.43
1:3a:438:ARG:NH1	1:3a:438:ARG:CG	2.82	0.43
1:3c:56:THR:HG22	1:3c:56:THR:O	2.18	0.43
1:5b:202:GLU:O	1:5b:209:ALA:CB	2.66	0.43
1:8d:245:GLU:H	1:8d:245:GLU:CD	2.21	0.43
1:8d:355:SER:HB3	1:8d:356:PRO:CD	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:9E:392:THR:HG21	2:9J:46:ASP:CG	2.34	0.43
2:1f:59:PRO:HG2	2:2a:59:PRO:O	2.19	0.43
2:1h:209:LEU:CD1	2:1u:225:MET:SD	3.07	0.43
2:3h:175:PHE:CE2	2:2w:175:PHE:CE1	3.06	0.43
2:3h:215:THR:H	2:3h:218:ASN:ND2	2.17	0.43
2:5f:197:GLN:NE2	2:6v:201:VAL:HA	2.32	0.43
2:6f:244:GLY:C	2:7f:242:LEU:CD2	2.89	0.43
2:8e:177:ASP:OD1	2:9F:186:ALA:HB3	2.18	0.43
2:8f:38:ILE:HD11	2:8f:114:ARG:HH22	1.73	0.43
2:8f:91:PRO:O	2:8f:92:SER:CB	2.67	0.43
2:8g:97:TYR:CZ	2:8g:111:VAL:CB	2.82	0.43
2:8g:219:LYS:HE3	2:9G:224:THR:O	2.19	0.43
2:9F:228:ALA:HA	2:9O:223:ARG:HD2	1.21	0.43
2:1i:179:ASN:ND2	2:1i:192:ASN:HD22	2.11	0.43
2:1k:57:MET:HE2	2:1k:57:MET:HA	2.00	0.43
2:2e:246:LYS:CD	2:1p:240:THR:CA	2.89	0.43
2:2f:239:THR:OG1	2:3j:247:LYS:HB3	2.18	0.43
2:2g:226:ILE:O	2:4g:223:ARG:NH1	2.46	0.43
2:2g:244:GLY:C	2:3i:242:LEU:CD2	2.91	0.43
2:2i:23:GLN:HG3	2:1o:73:VAL:O	2.18	0.43
2:3j:91:PRO:O	2:3j:92:SER:CB	2.67	0.43
2:5g:72:LYS:NZ	2:7e:26:ASP:OD1	2.50	0.43
2:5h:239:THR:HG23	2:7f:247:LYS:HB3	2.00	0.43
2:6i:160:GLY:HA2	2:8o:173:LEU:HD13	2.00	0.43
2:6j:226:ILE:O	2:5j:223:ARG:CD	2.67	0.43
2:8k:118:ILE:O	2:8k:118:ILE:HG23	2.18	0.43
2:8k:183:PHE:CD1	2:9G:183:PHE:CZ	3.05	0.43
2:8k:237:ALA:HB2	2:9G:245:VAL:N	2.34	0.43
2:8l:41:TYR:CD2	2:8l:57:MET:HE1	2.48	0.43
2:8l:215:THR:H	2:8l:218:ASN:ND2	2.17	0.43
2:8m:57:MET:SD	2:8q:111:VAL:HG13	2.58	0.43
2:8m:91:PRO:O	2:8m:92:SER:HB3	2.19	0.43
2:8m:99:VAL:HG12	2:9H:28:ILE:HD11	2.00	0.43
2:8m:279:ILE:HD13	2:8q:251:VAL:CG1	2.39	0.43
2:8o:91:PRO:O	2:8o:92:SER:HB3	2.19	0.43
2:1o:150:GLU:OE1	2:3o:145:ARG:NH2	2.48	0.43
2:2m:203:ASN:CB	2:3t:210:LEU:C	2.92	0.43
2:3m:244:GLY:HA2	2:4i:243:GLY:C	2.37	0.43
2:4i:57:MET:HE2	2:4i:57:MET:HA	2.00	0.43
2:5j:63:TRP:CD1	2:5j:112:ILE:HD11	2.54	0.43
2:6n:91:PRO:O	2:6n:92:SER:CB	2.67	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6n:234:LEU:HD23	2:7p:242:LEU:C	2.43	0.43
2:7n:59:PRO:HG3	2:8r:59:PRO:HG2	2.01	0.43
2:8q:148[A]:ILE:CD1	2:9H:148[A]:ILE:CD1	2.88	0.43
2:8s:108:VAL:O	2:8s:108:VAL:HG13	2.19	0.43
2:8s:259:VAL:CG1	2:8w:258:ASP:N	2.74	0.43
2:9H:270:ILE:HG22	2:9H:274:LYS:HE2	1.99	0.43
2:1q:57:MET:HA	2:1q:57:MET:HE2	2.00	0.43
2:1r:63:TRP:CD1	2:1r:112:ILE:HD11	2.54	0.43
2:1r:228:ALA:CA	2:2p:229:GLY:O	2.67	0.43
2:1s:215:THR:H	2:1s:218:ASN:ND2	2.17	0.43
2:2r:158[B]:ILE:CG2	2:4l:149[B]:ILE:HG23	2.49	0.43
2:3q:63:TRP:CD1	2:3q:112:ILE:HD11	2.54	0.43
2:3r:91:PRO:O	2:3r:92:SER:CB	2.67	0.43
2:5k:91:PRO:O	2:5k:92:SER:HB3	2.19	0.43
2:5k:91:PRO:O	2:5k:92:SER:CB	2.67	0.43
2:5l:118:ILE:O	2:5l:118:ILE:HG23	2.18	0.43
2:6q:247:LYS:HG3	2:9K:278:ILE:HA	2.01	0.43
2:6r:91:PRO:O	2:6r:92:SER:CB	2.67	0.43
2:6r:200:LEU:CD1	2:7u:200:LEU:CD1	2.93	0.43
2:6t:91:PRO:O	2:6t:92:SER:CB	2.67	0.43
2:6t:120:ILE:HD13	2:7r:120:ILE:HG21	1.99	0.43
2:8y:270:ILE:HD12	2:9M:254:SER:N	2.34	0.43
2:9L:179:ASN:ND2	2:9L:192:ASN:HD22	2.11	0.43
2:1v:206:VAL:HG11	2:2u:210:LEU:HA	2.01	0.43
2:1w:91:PRO:O	2:1w:92:SER:HB3	2.19	0.43
2:2w:248:GLY:O	2:4n:280:SER:N	2.42	0.43
2:3u:236:ALA:N	2:4m:242:LEU:CD1	2.79	0.43
2:3v:91:PRO:O	2:3v:92:SER:CB	2.67	0.43
2:3x:215:THR:H	2:3x:218:ASN:ND2	2.17	0.43
2:4m:215:THR:H	2:4m:218:ASN:ND2	2.17	0.43
2:5m:223:ARG:HG2	2:7t:226:ILE:O	2.17	0.43
2:5m:263:VAL:CG2	2:6w:262:ALA:HB2	2.49	0.43
2:6u:63:TRP:CD1	2:6u:112:ILE:HD11	2.54	0.43
2:6w:242:LEU:HB3	2:7t:244:GLY:HA3	2.01	0.43
2:7v:179:ASN:ND2	2:7v:192:ASN:HD22	2.11	0.43
2:9M:173:LEU:HD13	2:9J:157:LEU:HD12	1.98	0.43
2:9M:179:ASN:ND2	2:9M:192:ASN:HD22	2.11	0.43
2:9N:38:ILE:HD11	2:9N:114:ARG:CZ	2.35	0.43
2:9O:57:MET:HE2	2:9O:57:MET:HA	2.00	0.43
2:9P:41:TYR:OH	2:9P:57:MET:SD	2.76	0.43
1:1D:445:GLY:O	2:1h:44:VAL:CG2	2.52	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2B:444:GLY:HA2	2:2b:56:ASN:HD21	1.83	0.42
1:2D:356:PRO:HG2	1:2D:369:PHE:CD2	2.53	0.42
1:3F:443:SER:HA	2:3e:56:ASN:HD21	1.84	0.42
1:4A:202:GLU:HG2	1:4A:343:SER:OG	2.18	0.42
1:4D:319:TYR:CD1	1:4D:319:TYR:C	2.96	0.42
1:5B:245:GLU:C	1:5B:245:GLU:CD	2.87	0.42
1:6C:208:GLY:O	1:6C:212:GLU:HG3	2.19	0.42
1:6E:18:TYR:CD1	1:6E:18:TYR:C	2.97	0.42
1:6E:331:SER:OG	1:6E:332:VAL:N	2.51	0.42
1:6E:419:ASP:OD1	1:6E:419:ASP:C	2.62	0.42
1:8B:314:ASN:OD1	1:8B:314:ASN:C	2.62	0.42
1:8D:93:LEU:HD12	1:8D:93:LEU:O	2.19	0.42
1:8E:28:GLN:N	1:8E:28:GLN:OE1	2.52	0.42
1:8E:392:THR:CG2	2:8h:107:LEU:HG	2.49	0.42
1:9A:287:SER:O	1:9A:288:THR:OG1	2.34	0.42
1:2F:245:GLU:H	1:2F:245:GLU:CD	2.22	0.42
1:2I:139:PHE:CD1	1:2I:139:PHE:O	2.71	0.42
1:2J:314:ASN:C	1:2J:314:ASN:OD1	2.62	0.42
1:3G:202:GLU:HA	1:3G:203:PRO:HD2	1.70	0.42
1:3J:341:PHE:N	1:3J:341:PHE:CD1	2.87	0.42
1:4H:65:LEU:O	1:4H:66:VAL:HB	2.18	0.42
1:4H:203:PRO:CB	1:4H:212:GLU:HB2	2.46	0.42
1:4K:286:ALA:O	1:4K:287:SER:HB3	2.19	0.42
1:5H:67:ASP:O	1:5H:68:ARG:HB2	2.19	0.42
1:5H:215:LYS:HD2	1:5I:258:GLU:HG2	2.00	0.42
1:6J:425:LYS:N	1:6J:426:PRO:HD3	2.34	0.42
1:8I:445:GLY:O	2:8p:43:ALA:HA	2.18	0.42
1:8L:36:VAL:N	1:8L:37:PRO:HD2	2.34	0.42
1:3N:205:SER:OG	1:3N:206:SER:N	2.51	0.42
1:3R:81:ASN:OD1	1:3R:81:ASN:C	2.61	0.42
1:3R:447:GLN:N	2:3m:42:VAL:O	2.48	0.42
1:4R:110:TYR:CG	1:4R:111:ASP:N	2.86	0.42
1:5M:228:GLN:OE1	1:5M:228:GLN:N	2.32	0.42
1:5O:77:VAL:O	1:5O:77:VAL:HG13	2.18	0.42
1:5R:362:LYS:HA	1:5R:438:ARG:HB3	2.01	0.42
1:6M:142:GLN:HA	1:6M:142:GLN:NE2	2.34	0.42
1:6Q:423:GLU:OE1	1:6Q:423:GLU:N	2.35	0.42
1:7N:420:ILE:HG13	1:7N:427:LYS:HB2	2.00	0.42
1:8M:356:PRO:O	1:8M:357:ASN:HB2	2.19	0.42
1:2R:121:GLU:O	1:2R:122:ARG:HB2	2.18	0.42
1:3V:341:PHE:N	1:3V:341:PHE:CD1	2.87	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5U:236:MET:HG2	1:5U:334:ARG:HB3	2.00	0.42
1:5V:202:GLU:O	1:5V:209:ALA:HB1	2.18	0.42
1:5W:412:LEU:HB2	1:5W:435:VAL:HB	2.00	0.42
1:7R:19:ASP:OD1	1:7R:19:ASP:C	2.62	0.42
1:7R:332:VAL:HB	1:7S:49:ALA:HA	2.01	0.42
1:8W:267:ALA:O	1:8W:269:ASN:N	2.52	0.42
1:1Z:19:ASP:OD1	1:1Z:19:ASP:C	2.61	0.42
1:2W:6:ASN:OD1	1:2W:6:ASN:C	2.59	0.42
1:2W:407:ASN:CB	2:2u:45:LYS:HG3	2.48	0.42
1:2Y:202:GLU:HA	1:2Y:203:PRO:HD3	1.90	0.42
1:3Z:226:LEU:HA	1:3Z:227:PRO:HD3	1.87	0.42
1:3Z:355:SER:CB	1:3Z:356:PRO:HD3	2.48	0.42
1:3b:81:ASN:OD1	1:3b:81:ASN:C	2.59	0.42
1:3b:447:GLN:O	1:3b:448:ALA:C	2.62	0.42
1:4Z:19:ASP:OD1	1:4Z:19:ASP:C	2.60	0.42
1:4a:419:ASP:OD1	1:4a:419:ASP:C	2.63	0.42
1:4b:111:ASP:OD1	1:4b:111:ASP:C	2.60	0.42
1:5b:397:THR:OG1	1:5b:398:GLY:N	2.51	0.42
1:5c:412:LEU:HB2	1:5c:435:VAL:HB	2.00	0.42
1:6b:170:ILE:O	1:6b:171:TYR:CB	2.66	0.42
1:7U:205:SER:OG	1:7U:206:SER:N	2.46	0.42
1:8Y:356:PRO:O	1:8Y:357:ASN:HB2	2.19	0.42
1:8d:448:ALA:C	2:9O:60:LEU:H	2.17	0.42
2:1f:63:TRP:CD1	2:1f:112:ILE:HD11	2.54	0.42
2:1g:91:PRO:O	2:1g:92:SER:CB	2.67	0.42
2:1g:121[A]:GLU:HB2	2:2x:127:ASP:CG	2.44	0.42
2:1g:229:GLY:CA	2:3g:231:PRO:CD	2.94	0.42
2:2c:222:LEU:HD23	2:3l:209:LEU:HD21	1.92	0.42
2:2d:193:LYS:CG	2:3k:200:LEU:C	2.91	0.42
2:4e:91:PRO:O	2:4e:92:SER:CB	2.67	0.42
2:4e:179:ASN:ND2	2:4e:192:ASN:HD22	2.11	0.42
2:5f:239:THR:HG23	2:7a:247:LYS:HB3	2.00	0.42
2:6h:179:ASN:ND2	2:6h:192:ASN:HD22	2.11	0.42
2:8e:149[A]:ILE:HA	2:9F:145:ARG:HD3	2.01	0.42
2:8e:179:ASN:ND2	2:8e:192:ASN:HD22	2.11	0.42
2:8h:63:TRP:CD1	2:8h:112:ILE:HD11	2.54	0.42
2:8h:226:ILE:CD1	2:7i:226:ILE:HD13	2.45	0.42
2:8h:242:LEU:HD23	2:7i:245:VAL:O	2.18	0.42
2:1i:222:LEU:HB2	2:2e:226:ILE:CB	2.49	0.42
2:2e:120:ILE:O	2:1p:125:ILE:HA	2.19	0.42
2:2g:246:LYS:NZ	2:3i:240:THR:O	2.47	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:158[A]:ILE:HA	2:4h:154:ALA:HB1	2.01	0.42
2:2h:158[B]:ILE:HA	2:4h:154:ALA:CB	2.48	0.42
2:2h:229:GLY:HA3	2:3p:229:GLY:HA3	1.60	0.42
2:3i:200:LEU:CD1	2:4g:200:LEU:HD13	2.49	0.42
2:3i:259:VAL:HG23	2:4g:259:VAL:HG21	2.00	0.42
2:5h:242:LEU:HD23	2:7f:245:VAL:CA	2.49	0.42
2:6j:215:THR:H	2:6j:218:ASN:ND2	2.17	0.42
2:6k:118:ILE:O	2:6k:118:ILE:HG23	2.18	0.42
2:6k:199:LEU:HD21	2:7e:186:ALA:HA	2.01	0.42
2:7h:53:THR:OG1	2:7h:54:GLN:N	2.51	0.42
2:8k:158[A]:ILE:HD11	2:9G:158[A]:ILE:CD1	2.48	0.42
2:8m:119:SER:HB3	2:9H:126:LYS:CG	2.49	0.42
2:1n:228:ALA:CA	2:2k:229:GLY:O	2.67	0.42
2:2k:57:MET:HE2	2:3n:111:VAL:HG13	2.00	0.42
2:2k:57:MET:SD	2:3n:111:VAL:HG22	2.59	0.42
2:2l:77:LEU:HD11	2:2l:110:LEU:CD2	2.29	0.42
2:2m:59:PRO:O	2:4j:59:PRO:HG2	2.19	0.42
2:2m:200:LEU:HD23	2:3t:196:LEU:HB3	2.01	0.42
2:2n:57:MET:CE	2:1s:111:VAL:HG13	2.48	0.42
2:3m:259:VAL:HG23	2:4i:259:VAL:HG21	2.00	0.42
2:3n:91:PRO:O	2:3n:92:SER:HB3	2.19	0.42
2:4j:58:TYR:CB	2:3t:2:MET:CE	2.77	0.42
2:5i:259:VAL:HG21	2:6o:259:VAL:H	1.78	0.42
2:6m:280:SER:CA	2:7q:247:LYS:HE2	2.49	0.42
2:6n:200:LEU:CD1	2:7p:200:LEU:CD1	2.94	0.42
2:6n:228:ALA:N	2:5l:223:ARG:CD	2.74	0.42
2:6n:246:LYS:HD3	2:7p:239:THR:O	2.19	0.42
2:6p:91:PRO:O	2:6p:92:SER:CB	2.67	0.42
2:6p:91:PRO:O	2:6p:92:SER:HB3	2.19	0.42
2:8q:177:ASP:OD1	2:9H:186:ALA:HB3	2.18	0.42
2:8q:273:LEU:CB	2:9H:273:LEU:CD2	2.81	0.42
2:8s:57:MET:HA	2:8s:57:MET:HE2	2.00	0.42
2:8s:184:LEU:CD2	2:9I:180:VAL:HG11	2.48	0.42
2:1s:269:LEU:CB	2:3s:269:LEU:CD2	2.95	0.42
2:2o:219:LYS:CG	2:1x:226:ILE:HA	2.44	0.42
2:2s:53:THR:OG1	2:2s:54:GLN:N	2.51	0.42
2:4l:63:TRP:CD1	2:4l:112:ILE:HD11	2.54	0.42
2:4l:226:ILE:CD1	2:3x:226:ILE:HG21	2.48	0.42
2:5k:131:THR:OG1	2:6s:140:THR:HA	2.19	0.42
2:5l:63:TRP:CD1	2:5l:112:ILE:HD11	2.54	0.42
2:5l:239:THR:CG2	2:7p:247:LYS:HB3	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6r:111:VAL:CG2	2:7u:57:MET:SD	3.07	0.42
2:6r:215:THR:H	2:6r:218:ASN:ND2	2.17	0.42
2:6r:228:ALA:N	2:5n:223:ARG:CD	2.73	0.42
2:6s:228:ALA:HA	2:7o:223:ARG:CG	2.45	0.42
2:6s:242:LEU:HB3	2:7o:244:GLY:HA3	2.01	0.42
2:6t:57:MET:HA	2:6t:57:MET:HE2	2.00	0.42
2:8x:215:THR:H	2:8x:218:ASN:ND2	2.17	0.42
2:8y:91:PRO:O	2:8y:92:SER:CB	2.67	0.42
2:9K:97:TYR:OH	2:9K:111:VAL:HB	2.15	0.42
2:1v:41:TYR:OH	2:1v:57:MET:SD	2.76	0.42
2:2v:215:THR:H	2:2v:218:ASN:ND2	2.17	0.42
2:2w:59:PRO:O	2:4n:59:PRO:HG2	2.19	0.42
2:3u:200:LEU:CD1	2:4m:200:LEU:HD13	2.49	0.42
2:5n:63:TRP:CD1	2:5n:112:ILE:HD11	2.54	0.42
1:3B:19:ASP:C	1:3B:19:ASP:OD1	2.61	0.42
1:3D:447:GLN:O	1:3D:448:ALA:C	2.62	0.42
1:4C:28:GLN:C	1:4C:28:GLN:CD	2.86	0.42
1:5C:205:SER:OG	1:5C:206:SER:N	2.42	0.42
1:5D:306:LEU:HB3	1:5D:327:TRP:HB2	2.00	0.42
1:5E:447:GLN:HG2	2:5e:56:ASN:HD22	1.83	0.42
1:5F:447:GLN:CG	2:5f:44:VAL:HG12	2.48	0.42
1:6B:21:VAL:O	1:6B:25:ARG:N	2.52	0.42
1:6D:111:ASP:OD1	1:6D:111:ASP:C	2.61	0.42
1:7C:332:VAL:HB	1:7D:49:ALA:HA	2.01	0.42
1:1G:76:GLN:HG2	1:1G:76:GLN:O	2.19	0.42
1:1H:19:ASP:OD1	1:1H:19:ASP:C	2.61	0.42
1:3G:36:VAL:N	1:3G:37:PRO:HD2	2.34	0.42
1:3I:306:LEU:HB3	1:3I:327:TRP:HB2	2.01	0.42
1:3I:438:ARG:NH1	1:3I:438:ARG:CG	2.82	0.42
1:5L:444:GLY:H	2:5h:45:LYS:HG2	1.80	0.42
1:6J:16:GLU:OE1	1:6J:16:GLU:N	2.44	0.42
1:6K:412:LEU:HB2	1:6K:435:VAL:HB	2.01	0.42
1:7F:145:GLN:HG2	1:7F:319:TYR:HB3	2.01	0.42
1:7J:19:ASP:OD1	1:7J:19:ASP:C	2.61	0.42
1:8G:448:ALA:CB	2:8k:41:TYR:CE1	3.02	0.42
1:8G:448:ALA:HB1	2:8k:57:MET:SD	2.59	0.42
1:8K:267:ALA:O	1:8K:269:ASN:N	2.52	0.42
1:1M:110:TYR:HB3	1:1N:137:GLN:HG2	2.00	0.42
1:2M:19:ASP:OD1	1:2M:19:ASP:C	2.61	0.42
1:2M:419:ASP:OD1	1:2M:419:ASP:C	2.62	0.42
1:3N:81:ASN:OD1	1:3N:81:ASN:C	2.61	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3O:377:ASN:O	1:3O:378:ALA:CB	2.67	0.42
1:3Q:448:ALA:CB	2:3n:41:TYR:HD2	2.30	0.42
1:5N:437:ILE:O	1:5N:438:ARG:CB	2.67	0.42
1:5P:111:ASP:OD1	1:5P:111:ASP:C	2.60	0.42
1:5P:202:GLU:O	1:5P:209:ALA:HB1	2.18	0.42
1:6M:331:SER:OG	1:6M:332:VAL:N	2.46	0.42
1:7O:135:ASN:OD1	1:7O:135:ASN:N	2.51	0.42
1:8Q:28:GLN:N	1:8Q:28:GLN:OE1	2.52	0.42
1:2T:448:ALA:C	2:2s:60:LEU:HD12	2.43	0.42
1:3S:200:ILE:HG12	1:3S:342:VAL:C	2.45	0.42
1:3X:252:ASP:O	1:3X:253:ALA:HB3	2.20	0.42
1:4S:396:ILE:O	1:4S:396:ILE:HG23	2.19	0.42
1:4T:36:VAL:HB	1:4T:37:PRO:HD3	2.01	0.42
1:5X:136:ARG:NH2	1:5X:140:TYR:OH	2.53	0.42
1:6V:119:VAL:O	1:6V:120:PHE:CB	2.66	0.42
1:6X:445:GLY:H	2:6q:45:LYS:CD	2.33	0.42
1:8S:355:SER:CB	1:8S:356:PRO:CD	2.98	0.42
1:8S:438:ARG:HA	1:8S:439:PRO:HD3	1.91	0.42
1:8S:445:GLY:O	2:8w:44:VAL:CG2	2.67	0.42
1:8W:19:ASP:OD1	1:8W:19:ASP:C	2.61	0.42
1:8X:200:ILE:HD13	1:8X:341:PHE:HB3	2.01	0.42
1:8X:203:PRO:HG2	1:8X:291:GLU:HG3	2.01	0.42
1:1a:407:ASN:OD1	1:1a:407:ASN:C	2.63	0.42
1:1a:444:GLY:HA3	2:1w:45:LYS:HD2	1.90	0.42
1:1c:228:GLN:OE1	1:1c:228:GLN:N	2.38	0.42
1:3d:355:SER:CB	1:3d:356:PRO:HD3	2.48	0.42
1:4a:287:SER:OG	1:4a:288:THR:N	2.51	0.42
1:6Z:334:ARG:O	1:6Z:335:PHE:CB	2.67	0.42
1:6b:145:GLN:HG2	1:6b:319:TYR:HB3	2.02	0.42
1:6d:392:THR:HG23	2:6u:107:LEU:HD11	2.00	0.42
1:7Y:19:ASP:OD1	1:7Y:19:ASP:C	2.61	0.42
1:8b:447:GLN:CD	2:9Q:44:VAL:HG21	2.43	0.42
2:1e:59:PRO:CD	2:1l:61:ALA:HB2	2.49	0.42
2:1e:247:LYS:CD	2:2Z:239:THR:CG2	2.52	0.42
2:1g:74:GLY:C	2:2x:23:GLN:NE2	2.76	0.42
2:1g:136:LEU:O	2:2x:129:GLY:N	2.44	0.42
2:2Z:193:LYS:HD3	2:1l:201:VAL:C	2.45	0.42
2:2a:57:MET:SD	2:3f:111:VAL:CG2	3.07	0.42
2:2b:215:THR:H	2:2b:218:ASN:ND2	2.18	0.42
2:2c:158[A]:ILE:HA	2:4f:154:ALA:HB1	2.01	0.42
2:2c:201:VAL:HA	2:3l:197:GLN:CD	2.43	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2d:167:LYS:HD3	2:3k:175:PHE:C	2.44	0.42
2:2d:212:GLY:O	2:3k:225:MET:HE2	2.20	0.42
2:3f:91:PRO:O	2:3f:92:SER:CB	2.67	0.42
2:5e:226:ILE:HD11	2:7Z:226:ILE:HD13	1.90	0.42
2:5f:223:ARG:CD	2:6v:228:ALA:HA	2.48	0.42
2:5f:242:LEU:HD23	2:7a:245:VAL:CA	2.49	0.42
2:6e:229:GLY:N	2:7g:229:GLY:O	2.40	0.42
2:6f:111:VAL:CG2	2:7f:57:MET:SD	3.07	0.42
2:6f:215:THR:H	2:6f:218:ASN:ND2	2.17	0.42
2:6h:91:PRO:O	2:6h:92:SER:CB	2.67	0.42
2:7a:53:THR:OG1	2:7a:54:GLN:N	2.51	0.42
2:7a:57:MET:SD	2:6v:111:VAL:CG2	3.07	0.42
2:7d:247:LYS:HG2	2:9P:239:THR:HG22	2.01	0.42
2:8e:145:ARG:HG2	2:9O:148[A]:ILE:HG23	1.98	0.42
2:8e:279:ILE:C	2:9F:248:GLY:H	2.16	0.42
2:8g:91:PRO:O	2:8g:92:SER:CB	2.67	0.42
2:8g:99:VAL:HG12	2:9G:28:ILE:HD11	2.00	0.42
2:8g:244:GLY:H	2:9G:242:LEU:HB3	1.84	0.42
2:8j:41:TYR:OH	2:8j:57:MET:SD	2.76	0.42
2:9F:28:ILE:HD11	2:9O:99:VAL:HG12	2.00	0.42
2:9F:126:LYS:CG	2:9O:119:SER:HB3	2.49	0.42
2:9F:175:PHE:CZ	2:9O:175:PHE:CZ	3.07	0.42
2:9F:215:THR:H	2:9F:218:ASN:ND2	2.18	0.42
2:1i:41:TYR:CD2	2:1i:57:MET:HE1	2.48	0.42
2:1i:246:LYS:C	2:2e:239:THR:O	2.60	0.42
2:1k:180:VAL:HG23	2:3k:186:ALA:HB2	2.01	0.42
2:2e:193:LYS:HD3	2:1p:201:VAL:C	2.45	0.42
2:2f:240:THR:CA	2:3j:246:LYS:CG	2.97	0.42
2:2f:242:LEU:HB3	2:3j:244:GLY:H	1.82	0.42
2:2g:197:GLN:NE2	2:3i:200:LEU:O	2.52	0.42
2:2h:226:ILE:HG13	2:3p:223:ARG:CG	2.50	0.42
2:3j:91:PRO:O	2:3j:92:SER:HB3	2.19	0.42
2:6i:63:TRP:CD1	2:6i:112:ILE:HD11	2.54	0.42
2:8k:177:ASP:OD1	2:9G:186:ALA:HB3	2.18	0.42
2:8m:111:VAL:CG2	2:9H:57:MET:CE	2.97	0.42
2:8m:174:LEU:HD11	2:9H:174:LEU:CD2	2.41	0.42
2:8m:184:LEU:CD2	2:9H:180:VAL:HG11	2.48	0.42
2:8m:270:ILE:HD13	2:8q:253:ALA:N	2.34	0.42
2:8o:57:MET:HE2	2:8o:57:MET:HA	2.00	0.42
2:8p:63:TRP:CD1	2:8p:112:ILE:HD11	2.54	0.42
2:1m:209:LEU:O	2:2j:206:VAL:HG21	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:222:LEU:HB2	2:2j:226:ILE:CB	2.49	0.42
2:1n:242:LEU:CB	2:2k:234:LEU:HD23	2.49	0.42
2:1o:41:TYR:CD2	2:1o:57:MET:HE1	2.48	0.42
2:2j:246:LYS:HB3	2:1t:239:THR:HA	2.01	0.42
2:2l:19:LEU:N	2:2l:41:TYR:O	2.46	0.42
2:2l:183:PHE:HZ	2:3m:196:LEU:CD2	2.20	0.42
2:2m:53:THR:OG1	2:2m:54:GLN:N	2.51	0.42
2:2n:279:ILE:CD1	2:1s:251:VAL:HG13	2.24	0.42
2:3p:41:TYR:CD2	2:3p:57:MET:HE1	2.48	0.42
2:3p:108:VAL:O	2:3p:108:VAL:HG13	2.19	0.42
2:4j:118:ILE:O	2:4j:118:ILE:HG23	2.18	0.42
2:5i:91:PRO:O	2:5i:92:SER:HB3	2.19	0.42
2:6n:226:ILE:O	2:5l:223:ARG:CD	2.67	0.42
2:6o:225:MET:HG3	2:7j:214:PRO:CG	2.42	0.42
2:6o:226:ILE:O	2:7j:219:LYS:HB3	2.19	0.42
2:6o:226:ILE:CA	2:7j:219:LYS:HA	2.44	0.42
2:6o:242:LEU:HD23	2:7j:244:GLY:C	2.44	0.42
2:6p:234:LEU:HB2	2:7m:232:TYR:OH	2.18	0.42
2:7m:139:ASN:OD1	2:8v:130:ASP:N	2.36	0.42
2:7m:231:PRO:CG	2:8v:229:GLY:HA3	2.47	0.42
2:8s:270:ILE:HD12	2:8w:254:SER:N	2.34	0.42
2:8t:63:TRP:CD1	2:8t:112:ILE:HD11	2.54	0.42
2:1r:247:LYS:N	2:3r:239:THR:CA	2.77	0.42
2:2q:53:THR:OG1	2:2q:54:GLN:N	2.51	0.42
2:2q:273:LEU:CD2	2:3q:279:ILE:HG21	2.01	0.42
2:3r:57:MET:HA	2:3r:57:MET:HE2	2.00	0.42
2:3s:63:TRP:CD1	2:3s:112:ILE:HD11	2.54	0.42
2:4k:215:THR:H	2:4k:218:ASN:ND2	2.17	0.42
2:6q:280:SER:CA	2:7v:247:LYS:HE2	2.49	0.42
2:6t:215:THR:H	2:6t:218:ASN:ND2	2.17	0.42
2:7o:19:LEU:N	2:7o:41:TYR:O	2.46	0.42
2:7o:215:THR:H	2:7o:218:ASN:ND2	2.18	0.42
2:7r:269:LEU:CD2	2:9L:269:LEU:CG	2.94	0.42
2:8w:125:ILE:HD13	2:9I:125:ILE:HD11	2.02	0.42
2:8y:99:VAL:HG12	2:9J:28:ILE:HD11	2.01	0.42
2:8z:242:LEU:HD23	2:7x:245:VAL:O	2.19	0.42
2:1v:59:PRO:HG2	2:2u:59:PRO:O	2.19	0.42
2:1x:41:TYR:OH	2:1x:57:MET:SD	2.76	0.42
2:2t:179:ASN:ND2	2:2t:192:ASN:HD22	2.11	0.42
2:2u:125:ILE:HA	2:3v:120:ILE:O	2.19	0.42
2:2v:57:MET:SD	2:4m:111:VAL:HG21	2.59	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3u:118:ILE:O	2:3u:118:ILE:HG23	2.18	0.42
2:5n:239:THR:HG23	2:7u:247:LYS:HB3	2.00	0.42
2:6u:160:GLY:HA3	2:9Q:151:ASN:ND2	2.34	0.42
2:6w:127:ASP:OD2	2:7t:121[B]:GLU:HB3	2.19	0.42
2:6x:91:PRO:O	2:6x:92:SER:CB	2.67	0.42
2:9M:158[A]:ILE:HD11	2:9J:158[A]:ILE:CD1	2.48	0.42
2:9O:108:VAL:O	2:9O:108:VAL:HG13	2.19	0.42
1:1F:201:ASP:O	1:1F:202:GLU:HB3	2.19	0.42
1:1F:245:GLU:OE1	1:1F:245:GLU:N	2.34	0.42
1:2C:25:ARG:CZ	2:4f:51:ASP:OD2	2.67	0.42
1:2E:227:PRO:O	1:2E:228:GLN:HB2	2.20	0.42
1:3C:377:ASN:O	1:3C:378:ALA:CB	2.67	0.42
1:3E:136:ARG:NH2	1:3E:140:TYR:OH	2.53	0.42
1:4E:356:PRO:HG2	1:4E:369:PHE:CD2	2.54	0.42
1:5C:228:GLN:H	1:5C:228:GLN:CD	2.21	0.42
1:5D:202:GLU:O	1:5D:209:ALA:CB	2.66	0.42
1:5E:445:GLY:C	2:5e:44:VAL:CG2	2.92	0.42
1:6E:242:SER:OG	1:6E:243:TYR:N	2.53	0.42
1:6E:446:ALA:H	2:6f:44:VAL:HG23	1.84	0.42
1:6F:448:ALA:HB2	2:6e:56:ASN:O	2.19	0.42
1:7E:19:ASP:OD1	1:7E:19:ASP:C	2.61	0.42
1:8E:19:ASP:OD1	1:8E:19:ASP:C	2.61	0.42
1:8E:355:SER:CB	1:8E:356:PRO:CD	2.98	0.42
1:8F:36:VAL:N	1:8F:37:PRO:HD2	2.34	0.42
1:3K:136:ARG:NH2	1:3K:140:TYR:OH	2.53	0.42
1:4H:33:LYS:O	1:4H:34:SER:OG	2.35	0.42
1:5H:20:ILE:O	1:5H:23:ALA:N	2.52	0.42
1:5H:245:GLU:CD	1:5H:245:GLU:C	2.87	0.42
1:5I:243:TYR:CD2	1:5I:243:TYR:N	2.88	0.42
1:5J:202:GLU:O	1:5J:209:ALA:CB	2.66	0.42
1:5L:136:ARG:NH2	1:5L:140:TYR:OH	2.53	0.42
1:6K:30:ASP:OD1	1:6K:30:ASP:C	2.60	0.42
1:6L:232:ASP:OD1	1:6L:232:ASP:N	2.51	0.42
1:6L:445:GLY:H	2:6i:45:LYS:CG	2.32	0.42
1:7J:245:GLU:OE1	1:7J:245:GLU:N	2.35	0.42
1:8G:444:GLY:C	2:8k:56:ASN:OD1	2.62	0.42
1:8L:202:GLU:O	1:8L:209:ALA:HB2	2.15	0.42
1:1R:111:ASP:OD1	1:1R:111:ASP:C	2.61	0.42
1:3N:19:ASP:OD1	1:3N:19:ASP:C	2.61	0.42
1:4M:358:ILE:HG23	1:4M:358:ILE:O	2.20	0.42
1:4O:419:ASP:OD1	1:4O:419:ASP:C	2.63	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5M:81:ASN:OD1	1:5M:81:ASN:C	2.58	0.42
1:5N:245:GLU:CD	1:5N:245:GLU:C	2.87	0.42
1:6P:282:ILE:C	1:6P:282:ILE:CD1	2.92	0.42
1:8N:448:ALA:O	2:8r:60:LEU:N	2.41	0.42
1:8O:30:ASP:OD1	1:8O:30:ASP:C	2.62	0.42
1:8R:200:ILE:HD13	1:8R:341:PHE:HB3	2.01	0.42
1:1T:19:ASP:OD1	1:1T:19:ASP:C	2.61	0.42
1:3T:81:ASN:OD1	1:3T:81:ASN:C	2.61	0.42
1:4V:111:ASP:OD1	1:4V:111:ASP:C	2.60	0.42
1:4W:356:PRO:HG2	1:4W:369:PHE:CD2	2.54	0.42
1:5X:362:LYS:HA	1:5X:438:ARG:HB3	2.01	0.42
1:5X:447:GLN:HG2	2:5l:44:VAL:CG1	2.49	0.42
1:6V:425:LYS:N	1:6V:426:PRO:HD3	2.34	0.42
1:6W:18:TYR:CD1	1:6W:18:TYR:C	2.97	0.42
1:6X:232:ASP:OD1	1:6X:232:ASP:N	2.50	0.42
1:7P:25:ARG:NH2	2:6s:53:THR:CB	2.80	0.42
1:9D:445:GLY:CA	2:9I:53:THR:CG2	2.97	0.42
1:3Y:202:GLU:HA	1:3Y:203:PRO:HD2	1.70	0.42
1:3a:203:PRO:HD3	1:3a:209:ALA:O	2.20	0.42
1:4Y:269:ASN:OD1	1:4Y:269:ASN:C	2.62	0.42
1:4c:286:ALA:O	1:4c:287:SER:HB3	2.19	0.42
1:5a:334:ARG:O	1:5a:335:PHE:HB2	2.18	0.42
1:5b:111:ASP:OD1	1:5b:111:ASP:C	2.60	0.42
1:5d:36:VAL:N	1:5d:37:PRO:HD2	2.33	0.42
1:6Y:111:ASP:OD1	1:6Y:111:ASP:C	2.60	0.42
1:6Z:21:VAL:O	1:6Z:25:ARG:N	2.52	0.42
1:6b:119:VAL:O	1:6b:120:PHE:CB	2.66	0.42
1:6c:30:ASP:OD1	1:6c:30:ASP:C	2.60	0.42
1:6c:81:ASN:OD1	1:6c:81:ASN:C	2.58	0.42
1:6d:151:THR:OG1	1:6d:152:ALA:N	2.52	0.42
1:7V:355:SER:HB3	1:7V:356:PRO:CD	2.47	0.42
1:7Y:446:ALA:HB2	2:7w:43:ALA:HA	2.01	0.42
2:1e:72:LYS:NZ	2:2Z:26:ASP:OD1	2.42	0.42
2:1e:91:PRO:O	2:1e:92:SER:HB3	2.19	0.42
2:1f:118:ILE:O	2:1f:118:ILE:HG23	2.18	0.42
2:1f:242:LEU:CB	2:2a:234:LEU:HD23	2.49	0.42
2:1g:57:MET:HA	2:1g:57:MET:HE2	2.00	0.42
2:1g:234:LEU:CD1	2:3g:234:LEU:CG	2.94	0.42
2:1g:248:GLY:HA3	2:2x:279:ILE:HG22	2.00	0.42
2:1h:226:ILE:C	2:2t:219:LYS:CB	2.88	0.42
2:2Z:158[B]:ILE:CD1	2:1l:154:ALA:HB1	2.48	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2a:215:THR:H	2:2a:218:ASN:ND2	2.18	0.42
2:2a:243:GLY:H	2:3f:244:GLY:CA	2.26	0.42
2:2c:215:THR:H	2:2c:218:ASN:ND2	2.18	0.42
2:2d:266:LEU:HA	2:3k:266:LEU:CD1	2.49	0.42
2:3g:209:LEU:HD22	2:2x:209:LEU:HD21	1.92	0.42
2:3g:226:ILE:C	2:2x:219:LYS:HB3	2.41	0.42
2:4f:63:TRP:CD1	2:4f:112:ILE:HD11	2.54	0.42
2:5e:57:MET:HA	2:5e:57:MET:HE2	2.00	0.42
2:5e:72:LYS:NZ	2:7Z:26:ASP:OD1	2.50	0.42
2:5e:91:PRO:O	2:5e:92:SER:CB	2.67	0.42
2:5e:179:ASN:ND2	2:5e:192:ASN:HD22	2.11	0.42
2:5f:63:TRP:CD1	2:5f:112:ILE:HD11	2.54	0.42
2:5f:179:ASN:ND2	2:5f:192:ASN:HD22	2.11	0.42
2:5f:239:THR:CG2	2:7a:247:LYS:HB3	2.49	0.42
2:6f:226:ILE:O	2:5h:223:ARG:CD	2.67	0.42
2:6f:242:LEU:HD23	2:5h:245:VAL:HA	2.00	0.42
2:6g:242:LEU:HB3	2:7Z:244:GLY:HA3	2.01	0.42
2:6g:242:LEU:HD23	2:7Z:244:GLY:C	2.44	0.42
2:6h:57:MET:HE2	2:6h:57:MET:HA	2.00	0.42
2:6h:108:VAL:O	2:6h:108:VAL:HG13	2.19	0.42
2:7a:215:THR:H	2:7a:218:ASN:ND2	2.18	0.42
2:7c:19:LEU:N	2:7c:41:TYR:O	2.46	0.42
2:7d:247:LYS:H	2:9P:239:THR:HA	1.84	0.42
2:8e:63:TRP:CD1	2:8e:112:ILE:HD11	2.54	0.42
2:8e:201:VAL:H	2:9F:193:LYS:HE3	1.83	0.42
2:8i:99:VAL:CG1	2:7g:28:ILE:CD1	2.72	0.42
2:8j:63:TRP:CD1	2:8j:112:ILE:HD11	2.54	0.42
2:9F:199:LEU:HD13	2:9O:183:PHE:CE1	2.42	0.42
2:2f:53:THR:OG1	2:2f:54:GLN:N	2.51	0.42
2:2h:228:ALA:HA	2:3p:228:ALA:C	2.42	0.42
2:2i:212:GLY:O	2:3o:225:MET:HE2	2.19	0.42
2:3i:63:TRP:CD1	2:3i:112:ILE:HD11	2.54	0.42
2:5g:179:ASN:ND2	2:5g:192:ASN:HD22	2.11	0.42
2:6i:246:LYS:CE	2:8o:242:LEU:HG	2.47	0.42
2:6j:111:VAL:CG2	2:7k:57:MET:SD	3.07	0.42
2:6k:242:LEU:HB3	2:7e:244:GLY:HA3	2.01	0.42
2:8k:199:LEU:HD11	2:9G:186:ALA:CA	2.33	0.42
2:8m:244:GLY:H	2:9H:242:LEU:HB3	1.84	0.42
2:8m:246:LYS:CD	2:9H:240:THR:CA	2.90	0.42
2:8n:239:THR:HA	2:7n:247:LYS:H	1.84	0.42
2:1m:59:PRO:CD	2:1t:61:ALA:HB2	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:215:THR:H	2:1m:218:ASN:ND2	2.17	0.42
2:1n:242:LEU:HD22	2:2k:244:GLY:CA	2.44	0.42
2:2j:215:THR:H	2:2j:218:ASN:ND2	2.18	0.42
2:2k:239:THR:HG22	2:3n:248:GLY:CA	2.47	0.42
2:2l:222:LEU:CB	2:3m:226:ILE:CB	2.94	0.42
2:3m:200:LEU:CD1	2:4i:200:LEU:HD13	2.49	0.42
2:3o:63:TRP:CD1	2:3o:112:ILE:HD11	2.54	0.42
2:3p:91:PRO:O	2:3p:92:SER:HB3	2.19	0.42
2:3p:215:THR:H	2:3p:218:ASN:ND2	2.17	0.42
2:6m:246:LYS:HG2	2:8u:242:LEU:HA	2.02	0.42
2:6n:202:SER:HB3	2:5l:193:LYS:CD	2.50	0.42
2:6n:209:LEU:O	2:7p:206:VAL:CG2	2.55	0.42
2:6o:215:THR:H	2:6o:218:ASN:ND2	2.18	0.42
2:6p:251:VAL:HG11	2:7m:279:ILE:HD12	1.98	0.42
2:8s:99:VAL:HG12	2:9I:28:ILE:HD11	2.00	0.42
2:8s:222:LEU:O	2:9I:226:ILE:CD1	2.63	0.42
2:1q:59:PRO:CD	2:1x:61:ALA:HB2	2.49	0.42
2:1q:215:THR:H	2:1q:218:ASN:ND2	2.17	0.42
2:1s:183:PHE:CE2	2:3s:183:PHE:CZ	3.07	0.42
2:2o:120:ILE:O	2:1x:125:ILE:HA	2.19	0.42
2:2o:158[B]:ILE:CD1	2:1x:154:ALA:HB1	2.48	0.42
2:2r:240:THR:C	2:3x:245:VAL:O	2.63	0.42
2:2s:57:MET:CE	2:1w:111:VAL:HG13	2.48	0.42
2:2s:183:PHE:HZ	2:3w:196:LEU:HD22	1.74	0.42
2:2s:246:LYS:HA	2:3w:238:THR:O	2.20	0.42
2:2s:266:LEU:HA	2:3w:266:LEU:CD1	2.49	0.42
2:3q:230:VAL:C	2:4k:229:GLY:CA	2.89	0.42
2:6q:246:LYS:HG2	2:9K:242:LEU:HA	2.02	0.42
2:6q:247:LYS:N	2:9K:237:ALA:HB1	2.34	0.42
2:6r:238:THR:HA	2:5n:247:LYS:HB2	2.02	0.42
2:6r:247:LYS:HG2	2:7u:280:SER:OG	2.18	0.42
2:6s:199:LEU:HD21	2:7o:186:ALA:HA	2.01	0.42
2:6s:200:LEU:HD23	2:7o:196:LEU:CB	2.47	0.42
2:7r:219:LYS:CE	2:9L:226:ILE:C	2.92	0.42
2:8w:199:LEU:CD2	2:9I:186:ALA:O	2.62	0.42
2:8w:225:MET:HG3	2:9I:214:PRO:HD2	1.87	0.42
2:8y:131:THR:OG1	2:9M:140:THR:C	2.61	0.42
2:8y:210:LEU:HD22	2:9J:201:VAL:CG2	2.47	0.42
2:1u:91:PRO:O	2:1u:92:SER:HB3	2.19	0.42
2:1v:215:THR:H	2:1v:218:ASN:ND2	2.18	0.42
2:1v:242:LEU:CB	2:2u:234:LEU:HD23	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:281:LEU:HA	2:3w:250:ALA:HB1	2.01	0.42
2:2u:57:MET:SD	2:3v:111:VAL:CG2	3.07	0.42
2:2u:57:MET:SD	2:3v:111:VAL:HG22	2.59	0.42
2:4n:76:ASN:HD21	2:4n:116:LYS:HD3	1.78	0.42
2:6u:73:VAL:O	2:9Q:23:GLN:HG3	2.18	0.42
2:6w:226:ILE:O	2:7t:219:LYS:HB3	2.19	0.42
2:6x:120:ILE:CD1	2:9R:120:ILE:CD1	2.97	0.42
2:6x:120:ILE:HD12	2:9R:120:ILE:HD11	1.99	0.42
2:7u:215:THR:H	2:7u:218:ASN:ND2	2.18	0.42
2:7w:19:LEU:N	2:7w:41:TYR:O	2.46	0.42
2:9M:150:GLU:OE1	2:9J:141:PRO:HB2	2.15	0.42
2:9J:53:THR:OG1	2:9J:54:GLN:N	2.51	0.42
1:1A:110:TYR:HB3	1:1B:137:GLN:HG2	2.00	0.42
1:1C:407:ASN:OD1	1:1C:407:ASN:C	2.63	0.42
1:1D:448:ALA:C	2:1h:41:TYR:CD1	2.97	0.42
1:3D:419:ASP:OD1	1:3D:419:ASP:C	2.63	0.42
1:3E:448:ALA:HB3	2:3f:41:TYR:HD2	1.84	0.42
1:4F:110:TYR:CG	1:4F:111:ASP:N	2.86	0.42
1:5A:226:LEU:HA	1:5A:227:PRO:HD3	1.83	0.42
1:5B:211:THR:O	1:5B:214:VAL:N	2.45	0.42
1:6D:145:GLN:HG2	1:6D:319:TYR:HB3	2.02	0.42
1:7C:202:GLU:O	1:7C:202:GLU:HG3	2.18	0.42
1:7C:445:GLY:O	2:7a:45:LYS:HB3	2.19	0.42
1:7D:226:LEU:HA	1:7D:227:PRO:HD3	1.90	0.42
1:8A:132:HIS:O	1:8A:133:GLU:HB2	2.20	0.42
1:8F:203:PRO:HG2	1:8F:291:GLU:HG3	2.01	0.42
1:1H:316:ARG:HD3	1:1Q:323:TYR:CZ	2.55	0.42
1:2G:58:GLN:O	1:2G:58:GLN:HG2	2.18	0.42
1:3I:203:PRO:HD3	1:3I:209:ALA:O	2.20	0.42
1:5I:228:GLN:H	1:5I:228:GLN:CD	2.21	0.42
1:5I:355:SER:CB	1:5I:356:PRO:CD	2.98	0.42
1:5K:265:ALA:O	1:5K:266:LYS:HB2	2.18	0.42
1:6G:142:GLN:HA	1:6G:142:GLN:NE2	2.34	0.42
1:7H:332:VAL:HB	1:7I:49:ALA:HA	2.01	0.42
1:7I:392:THR:CA	2:7e:46:ASP:OD2	2.68	0.42
1:7J:447:GLN:O	2:7h:41:TYR:CE1	2.53	0.42
1:8G:111:ASP:OD2	1:8G:111:ASP:C	2.63	0.42
1:8H:355:SER:HB2	1:8H:356:PRO:CD	2.49	0.42
1:8J:392:THR:CG2	2:8o:107:LEU:CG	2.96	0.42
1:8L:355:SER:HB3	1:8L:356:PRO:CD	2.48	0.42
1:1O:81:ASN:OD1	1:1O:81:ASN:C	2.62	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2L:444:GLY:HA2	2:2l:56:ASN:ND2	2.34	0.42
1:3M:200:ILE:HG12	1:3M:342:VAL:C	2.45	0.42
1:3N:54:ASN:OD1	1:3N:54:ASN:C	2.60	0.42
1:3O:306:LEU:HB3	1:3O:327:TRP:HB2	2.02	0.42
1:3R:448:ALA:CB	2:3m:57:MET:SD	2.99	0.42
1:5N:20:ILE:O	1:5N:23:ALA:N	2.52	0.42
1:5N:67:ASP:O	1:5N:68:ARG:HB2	2.19	0.42
1:5N:356:PRO:O	1:5N:357:ASN:HB2	2.19	0.42
1:5O:243:TYR:CD2	1:5O:243:TYR:N	2.87	0.42
1:5Q:265:ALA:O	1:5Q:266:LYS:HB2	2.18	0.42
1:6Q:18:TYR:CD1	1:6Q:18:TYR:C	2.97	0.42
1:6Q:412:LEU:HB2	1:6Q:435:VAL:HB	2.01	0.42
1:7L:36:VAL:N	1:7L:37:PRO:HD2	2.35	0.42
1:7N:355:SER:CB	1:7N:356:PRO:CD	2.98	0.42
1:8Q:267:ALA:O	1:8Q:269:ASN:N	2.52	0.42
1:1S:420:ILE:O	1:1S:427:LYS:N	2.29	0.42
1:1W:398:GLY:O	1:1W:399:ASP:HB2	2.19	0.42
1:2T:227:PRO:O	1:2T:228:GLN:HB2	2.20	0.42
1:3T:19:ASP:OD1	1:3T:19:ASP:C	2.61	0.42
1:3U:203:PRO:HD3	1:3U:209:ALA:O	2.20	0.42
1:3U:399:ASP:OD1	1:3U:399:ASP:C	2.63	0.42
1:3W:447:GLN:OE1	2:3r:56:ASN:ND2	2.48	0.42
1:3X:448:ALA:CB	2:3q:41:TYR:CD1	3.02	0.42
1:4W:203:PRO:HA	1:4W:212:GLU:HG3	2.01	0.42
1:4W:204:THR:O	1:4W:206:SER:N	2.53	0.42
1:5T:20:ILE:O	1:5T:23:ALA:N	2.52	0.42
1:5W:111:ASP:OD1	1:5W:111:ASP:C	2.63	0.42
1:6S:190:TYR:CD2	1:6S:190:TYR:C	2.96	0.42
1:6T:97:ILE:HB	1:6T:132:HIS:HB2	2.02	0.42
1:6V:232:ASP:OD1	1:6V:232:ASP:C	2.59	0.42
1:7R:314:ASN:OD1	1:7R:314:ASN:C	2.62	0.42
1:8X:446:ALA:CA	2:8y:43:ALA:HA	2.38	0.42
1:1c:398:GLY:O	1:1c:399:ASP:HB2	2.19	0.42
1:3Y:36:VAL:N	1:3Y:37:PRO:HD2	2.34	0.42
1:3c:208:GLY:O	1:3c:212:GLU:HG3	2.19	0.42
1:4a:217:MET:HB3	1:4a:217:MET:HE3	1.79	0.42
1:4c:36:VAL:HB	1:4c:37:PRO:HD3	2.01	0.42
1:6b:363:GLN:HB3	1:6b:406:GLY:HA2	2.02	0.42
1:7V:392:THR:CA	2:7v:46:ASP:CG	2.88	0.42
1:7W:202:GLU:CA	1:7W:343:SER:HB2	2.48	0.42
1:7X:397:THR:HG22	2:7t:107:LEU:HD12	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8Z:314:ASN:OD1	1:8Z:314:ASN:C	2.62	0.42
1:8b:446:ALA:HA	2:9Q:43:ALA:HA	1.99	0.42
1:8d:36:VAL:N	1:8d:37:PRO:HD2	2.34	0.42
2:1f:200:LEU:HD13	2:2a:200:LEU:CD1	2.50	0.42
2:1f:242:LEU:HA	2:2a:245:VAL:O	2.20	0.42
2:1h:61:ALA:HB2	2:1u:59:PRO:CD	2.49	0.42
2:1h:63:TRP:CD1	2:1h:112:ILE:HD11	2.54	0.42
2:2c:203:ASN:ND2	2:3l:212:GLY:N	2.57	0.42
2:2c:203:ASN:CB	2:3l:210:LEU:C	2.92	0.42
2:2d:210:LEU:HA	2:3k:206:VAL:CG1	2.46	0.42
2:2d:246:LYS:HA	2:3k:238:THR:O	2.20	0.42
2:3f:91:PRO:O	2:3f:92:SER:HB3	2.19	0.42
2:3g:180:VAL:HG13	2:2x:184:LEU:HD23	2.00	0.42
2:3g:215:THR:H	2:3g:218:ASN:ND2	2.18	0.42
2:6e:139:ASN:OD1	2:8i:130:ASP:N	2.37	0.42
2:6e:215:THR:H	2:6e:218:ASN:ND2	2.18	0.42
2:6g:127:ASP:OD1	2:7Z:122:VAL:N	2.51	0.42
2:6h:259:VAL:CG2	2:7c:259:VAL:CG2	2.97	0.42
2:8e:120:ILE:HD13	2:9F:120:ILE:CD1	2.50	0.42
2:8f:91:PRO:O	2:8f:92:SER:HB3	2.19	0.42
2:8g:57:MET:HE2	2:8g:57:MET:HA	2.00	0.42
2:8g:270:ILE:HD13	2:8k:253:ALA:N	2.34	0.42
2:8i:57:MET:HA	2:8i:57:MET:HE2	2.00	0.42
2:2g:215:THR:H	2:2g:218:ASN:ND2	2.18	0.42
2:2g:223:ARG:CD	2:3i:228:ALA:N	2.54	0.42
2:2i:127:ASP:CG	2:1o:121[A]:GLU:HB2	2.44	0.42
2:2i:246:LYS:HA	2:3o:238:THR:O	2.20	0.42
2:2i:248:GLY:CA	2:3o:279:ILE:HA	2.50	0.42
2:2i:269:LEU:HD13	2:3o:270:ILE:HG12	2.01	0.42
2:3l:215:THR:H	2:3l:218:ASN:ND2	2.17	0.42
2:4g:57:MET:HA	2:4g:57:MET:HE2	2.00	0.42
2:5g:246:LYS:N	2:7e:242:LEU:CD2	2.72	0.42
2:6i:193:LYS:HD3	2:8o:200:LEU:O	2.20	0.42
2:6i:246:LYS:HG2	2:8o:242:LEU:HA	2.02	0.42
2:6i:253:ALA:HB1	2:8o:267:ASN:HB3	2.01	0.42
2:6j:202:SER:HB3	2:5j:193:LYS:CD	2.50	0.42
2:7i:215:THR:H	2:7i:218:ASN:ND2	2.18	0.42
2:8l:38:ILE:CD1	2:8l:114:ARG:HH22	2.29	0.42
2:1o:57:MET:HA	2:1o:57:MET:HE2	2.00	0.42
2:1o:91:PRO:O	2:1o:92:SER:HB3	2.19	0.42
2:2j:219:LYS:CB	2:1t:226:ILE:C	2.88	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2k:57:MET:SD	2:3n:111:VAL:CG2	3.07	0.42
2:2l:53:THR:OG1	2:2l:54:GLN:N	2.51	0.42
2:2m:27:ILE:CA	2:3t:73:VAL:HG11	2.48	0.42
2:2m:158[A]:ILE:HA	2:4j:154:ALA:HB1	2.01	0.42
2:2m:226:ILE:HG13	2:3t:223:ARG:CG	2.50	0.42
2:2n:127:ASP:CG	2:1s:121[A]:GLU:HB2	2.44	0.42
2:2n:259:VAL:HG21	2:1s:258:ASP:HA	2.01	0.42
2:5i:57:MET:HA	2:5i:57:MET:HE2	2.00	0.42
2:5i:215:THR:H	2:5i:218:ASN:ND2	2.17	0.42
2:6n:41:TYR:CD2	2:6n:57:MET:HE1	2.48	0.42
2:6p:234:LEU:HD21	2:7m:243:GLY:HA2	1.97	0.42
2:6p:251:VAL:HG13	2:7m:279:ILE:HD12	2.00	0.42
2:7j:53:THR:OG1	2:7j:54:GLN:N	2.51	0.42
2:8r:91:PRO:O	2:8r:92:SER:CB	2.67	0.42
2:8s:91:PRO:O	2:8s:92:SER:CB	2.67	0.42
2:8s:219:LYS:HE3	2:9l:224:THR:O	2.19	0.42
2:8s:270:ILE:HD13	2:8w:253:ALA:N	2.34	0.42
2:8t:179:ASN:ND2	2:8t:192:ASN:HD22	2.11	0.42
2:8u:91:PRO:O	2:8u:92:SER:CB	2.67	0.42
2:1r:215:THR:H	2:1r:218:ASN:ND2	2.18	0.42
2:1r:223:ARG:HA	2:3r:226:ILE:HD12	2.01	0.42
2:1t:63:TRP:CD1	2:1t:112:ILE:HD11	2.54	0.42
2:2o:246:LYS:HB3	2:1x:239:THR:HA	2.01	0.42
2:2q:19:LEU:N	2:2q:41:TYR:O	2.46	0.42
2:2q:175:PHE:HZ	2:3q:175:PHE:HZ	1.68	0.42
2:2q:179:ASN:ND2	2:2q:192:ASN:HD22	2.11	0.42
2:2r:199:LEU:HB2	2:3x:183:PHE:HE1	1.02	0.42
2:2s:190:ASP:OD1	2:3w:202:SER:HB3	2.20	0.42
2:2s:212:GLY:O	2:3w:225:MET:HE2	2.19	0.42
2:3t:57:MET:HE2	2:3t:57:MET:HA	2.00	0.42
2:3t:91:PRO:O	2:3t:92:SER:HB3	2.19	0.42
2:5k:57:MET:HE2	2:5k:57:MET:HA	2.00	0.42
2:5l:226:ILE:HG22	2:7p:222:LEU:HD13	2.02	0.42
2:6r:91:PRO:O	2:6r:92:SER:HB3	2.19	0.42
2:6r:108:VAL:O	2:6r:108:VAL:HG13	2.19	0.42
2:6r:226:ILE:O	2:5n:223:ARG:CD	2.67	0.42
2:6r:246:LYS:HD3	2:7u:239:THR:O	2.19	0.42
2:6s:63:TRP:CD1	2:6s:112:ILE:HD11	2.54	0.42
2:7q:215:THR:H	2:7q:218:ASN:ND2	2.18	0.42
2:7r:215:THR:H	2:7r:218:ASN:ND2	2.18	0.42
2:8w:206:VAL:HG13	2:9l:210:LEU:HA	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8w:273:LEU:CB	2:9I:273:LEU:CD2	2.81	0.42
2:9L:215:THR:H	2:9L:218:ASN:ND2	2.18	0.42
2:1v:200:LEU:HD13	2:2u:200:LEU:CD1	2.50	0.42
2:1w:41:TYR:CD2	2:1w:57:MET:HE1	2.48	0.42
2:2w:215:THR:H	2:2w:218:ASN:ND2	2.18	0.42
2:2x:53:THR:OG1	2:2x:54:GLN:N	2.51	0.42
2:5m:91:PRO:O	2:5m:92:SER:HB3	2.19	0.42
2:6u:138:ILE:O	2:9Q:132:GLY:N	2.39	0.42
2:6u:215:THR:H	2:6u:218:ASN:ND2	2.18	0.42
2:6u:251:VAL:HG22	2:9Q:270:ILE:HG23	2.01	0.42
2:6w:215:THR:H	2:6w:218:ASN:ND2	2.18	0.42
2:6x:91:PRO:O	2:6x:92:SER:HB3	2.19	0.42
2:6x:118:ILE:HG21	2:9R:118:ILE:HD13	2.01	0.42
2:9M:125:ILE:HD13	2:9J:125:ILE:HD11	2.01	0.42
2:9R:179:ASN:ND2	2:9R:192:ASN:HD22	2.11	0.42
2:9R:215:THR:H	2:9R:218:ASN:ND2	2.18	0.42
1:1B:81:ASN:OD1	1:1B:81:ASN:C	2.60	0.42
1:1E:407:ASN:OD1	1:1E:407:ASN:C	2.62	0.42
1:3C:444:GLY:N	2:3h:45:LYS:HZ1	2.18	0.42
1:3E:208:GLY:O	1:3E:212:GLU:HG3	2.19	0.42
1:4E:140:TYR:CD1	1:4E:140:TYR:N	2.86	0.42
1:5B:437:ILE:O	1:5B:438:ARG:CB	2.67	0.42
1:5C:243:TYR:CD2	1:5C:243:TYR:N	2.87	0.42
1:5F:136:ARG:NH2	1:5F:140:TYR:OH	2.53	0.42
1:6D:119:VAL:O	1:6D:120:PHE:CB	2.66	0.42
1:6D:363:GLN:HB3	1:6D:406:GLY:HA2	2.02	0.42
1:8D:445:GLY:O	2:8i:44:VAL:C	2.62	0.42
1:8F:19:ASP:OD1	1:8F:19:ASP:C	2.58	0.42
1:9A:135:ASN:OD1	1:9A:135:ASN:N	2.52	0.42
1:1G:447:GLN:HE21	2:1i:56:ASN:HD22	1.67	0.42
1:2H:448:ALA:CB	2:2f:41:TYR:HA	2.49	0.42
1:3G:96:THR:HA	1:3G:132:HIS:O	2.19	0.42
1:3H:355:SER:CB	1:3H:356:PRO:HD3	2.49	0.42
1:4J:137:GLN:O	1:4J:137:GLN:CG	2.62	0.42
1:6H:334:ARG:O	1:6H:335:PHE:CB	2.67	0.42
1:6J:119:VAL:O	1:6J:120:PHE:CB	2.66	0.42
1:6K:145:GLN:HG2	1:6K:319:TYR:HB3	2.01	0.42
1:6K:242:SER:OG	1:6K:243:TYR:N	2.53	0.42
1:8H:446:ALA:C	2:8l:44:VAL:HG23	2.44	0.42
1:8H:447:GLN:O	2:8l:42:VAL:HG12	2.20	0.42
1:1N:355:SER:CB	1:1N:356:PRO:HD3	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1R:190:TYR:CD2	1:1R:190:TYR:C	2.98	0.42
1:1R:227:PRO:O	1:1R:228:GLN:HB3	2.20	0.42
1:2N:19:ASP:OD1	1:2N:19:ASP:C	2.61	0.42
1:3O:399:ASP:OD1	1:3O:399:ASP:C	2.63	0.42
1:3R:306:LEU:HB3	1:3R:327:TRP:HB2	2.02	0.42
1:4M:190:TYR:CD2	1:4M:190:TYR:C	2.96	0.42
1:4O:287:SER:OG	1:4O:288:THR:N	2.51	0.42
1:4R:447:GLN:CG	2:4j:44:VAL:HG12	2.50	0.42
1:6O:208:GLY:O	1:6O:212:GLU:HG3	2.19	0.42
1:7K:202:GLU:HA	1:7K:203:PRO:HD3	1.88	0.42
1:8M:111:ASP:OD2	1:8M:111:ASP:C	2.63	0.42
1:8N:448:ALA:O	2:8r:59:PRO:HA	2.19	0.42
1:8O:392:THR:CG2	2:8v:107:LEU:CD2	2.98	0.42
1:1U:407:ASN:C	1:1U:407:ASN:OD1	2.63	0.42
1:2P:446:ALA:HA	2:2r:42:VAL:O	2.19	0.42
1:2T:54:ASN:OD1	1:2T:54:ASN:C	2.61	0.42
1:4U:423:GLU:OE1	1:4U:423:GLU:N	2.30	0.42
1:5U:355:SER:CB	1:5U:356:PRO:CD	2.98	0.42
1:5V:111:ASP:OD1	1:5V:111:ASP:C	2.60	0.42
1:6V:145:GLN:HG2	1:6V:319:TYR:HB3	2.02	0.42
1:7P:145:GLN:HG2	1:7P:319:TYR:HB3	2.01	0.42
1:8W:406:GLY:O	1:8W:407:ASN:HB3	2.20	0.42
1:1b:111:ASP:OD1	1:1b:111:ASP:C	2.61	0.42
1:2Y:227:PRO:O	1:2Y:228:GLN:HB2	2.20	0.42
1:3Z:54:ASN:OD1	1:3Z:54:ASN:C	2.60	0.42
1:3a:377:ASN:O	1:3a:378:ALA:CB	2.67	0.42
1:3b:419:ASP:OD1	1:3b:419:ASP:C	2.63	0.42
1:3c:136:ARG:NH2	1:3c:140:TYR:OH	2.53	0.42
1:5Z:190:TYR:CD2	1:5Z:190:TYR:C	2.97	0.42
1:6Z:97:ILE:HB	1:6Z:132:HIS:HB2	2.02	0.42
1:6c:242:SER:OG	1:6c:243:TYR:N	2.53	0.42
1:6c:419:ASP:OD1	1:6c:419:ASP:C	2.62	0.42
1:7Y:443:SER:C	2:7w:56:ASN:HD21	2.28	0.42
1:8Y:355:SER:CB	1:8Y:356:PRO:CD	2.97	0.42
1:8c:355:SER:CB	1:8c:356:PRO:CD	2.98	0.42
1:8c:446:ALA:CA	2:9P:44:VAL:HG13	2.45	0.42
2:1e:244:GLY:CA	2:2Z:242:LEU:CA	2.67	0.42
2:1f:215:THR:H	2:1f:218:ASN:ND2	2.18	0.42
2:2Z:120:ILE:O	2:1l:125:ILE:HA	2.19	0.42
2:2a:240:THR:CA	2:3f:246:LYS:CD	2.93	0.42
2:2c:226:ILE:HG13	2:3l:223:ARG:CG	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:126:LYS:C	2:3g:126:LYS:CD	2.85	0.42
2:3g:202:SER:HB3	2:2x:190:ASP:OD1	2.20	0.42
2:3g:225:MET:HE2	2:2x:212:GLY:O	2.20	0.42
2:3g:279:ILE:HA	2:2x:248:GLY:CA	2.50	0.42
2:3h:210:LEU:HD22	2:2w:201:VAL:HG13	1.87	0.42
2:3h:234:LEU:HD22	2:2w:241:THR:CG2	2.36	0.42
2:5e:149[B]:ILE:HG23	2:6g:158[B]:ILE:HG22	1.98	0.42
2:5f:76:ASN:HD21	2:5f:116:LYS:HD3	1.78	0.42
2:6e:119:SER:HB3	2:8i:126:LYS:HE2	2.01	0.42
2:6e:160:GLY:HA3	2:8i:151:ASN:ND2	2.33	0.42
2:6e:247:LYS:N	2:8i:237:ALA:HB1	2.34	0.42
2:6f:179:ASN:ND2	2:6f:192:ASN:HD22	2.11	0.42
2:6f:246:LYS:HD3	2:7f:239:THR:O	2.19	0.42
2:6f:247:LYS:HG2	2:7f:280:SER:OG	2.18	0.42
2:6h:132:GLY:N	2:8j:138:ILE:O	2.49	0.42
2:7b:77:LEU:CD1	2:7b:110:LEU:HD22	2.28	0.42
2:7c:53:THR:OG1	2:7c:54:GLN:N	2.51	0.42
2:8e:225:MET:CE	2:9F:212:GLY:HA2	2.49	0.42
2:8e:237:ALA:HB2	2:9F:245:VAL:N	2.34	0.42
2:8e:238:THR:C	2:9F:246:LYS:HB3	2.43	0.42
2:8g:111:VAL:CG2	2:9G:57:MET:CE	2.97	0.42
2:8g:270:ILE:HD12	2:8k:254:SER:N	2.34	0.42
2:1i:209:LEU:O	2:2e:206:VAL:HG21	2.20	0.42
2:1k:266:LEU:CG	2:3k:265:ASP:C	2.88	0.42
2:2e:248:GLY:O	2:1p:280:SER:CB	2.67	0.42
2:2g:53:THR:OG1	2:2g:54:GLN:N	2.51	0.42
2:2g:242:LEU:HD23	2:4g:245:VAL:CA	2.50	0.42
2:2h:215:THR:H	2:2h:218:ASN:ND2	2.18	0.42
2:2h:225:MET:O	2:3p:219:LYS:CG	2.68	0.42
2:3l:108:VAL:O	2:3l:108:VAL:HG13	2.19	0.42
2:4h:63:TRP:CD1	2:4h:112:ILE:HD11	2.54	0.42
2:5g:136:LEU:HD21	2:7e:125:ILE:HD13	2.02	0.42
2:5g:215:THR:H	2:5g:218:ASN:ND2	2.17	0.42
2:6i:73:VAL:O	2:8o:23:GLN:HG3	2.18	0.42
2:6j:242:LEU:HD23	2:5j:245:VAL:HA	2.00	0.42
2:6l:108:VAL:O	2:6l:108:VAL:HG13	2.19	0.42
2:8k:149[A]:ILE:HA	2:9G:145:ARG:HD3	2.02	0.42
2:8m:183:PHE:HE1	2:9H:199:LEU:HB2	1.85	0.42
2:8m:209:LEU:HA	2:9H:225:MET:SD	2.59	0.42
2:8m:267:ASN:OD1	2:8q:253:ALA:CB	2.63	0.42
2:8o:179:ASN:ND2	2:8o:192:ASN:HD22	2.11	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1n:41:TYR:OH	2:1n:57:MET:SD	2.76	0.42
2:2j:246:LYS:HD3	2:1t:239:THR:C	2.44	0.42
2:2k:242:LEU:HB2	2:3n:234:LEU:HG	2.01	0.42
2:2n:23:GLN:NE2	2:1s:74:GLY:C	2.76	0.42
2:6m:3:VAL:HG22	2:7q:61:ALA:HB3	2.01	0.42
2:6m:215:THR:H	2:6m:218:ASN:ND2	2.18	0.42
2:6n:228:ALA:HB1	2:7p:228:ALA:HB1	2.01	0.42
2:6n:238:THR:HA	2:5l:247:LYS:HB2	2.02	0.42
2:6p:28:ILE:HD12	2:8v:99:VAL:HA	2.00	0.42
2:7n:57:MET:HB3	2:8r:61:ALA:CB	2.46	0.42
2:8q:206:VAL:HG13	2:9H:210:LEU:HA	2.02	0.42
2:8s:91:PRO:O	2:8s:92:SER:HB3	2.19	0.42
2:8s:246:LYS:CG	2:9I:239:THR:O	2.60	0.42
2:1r:239:THR:O	2:2p:246:LYS:HB3	2.19	0.42
2:1s:200:LEU:CA	2:3s:193:LYS:HG2	2.45	0.42
2:2p:57:MET:SD	2:3r:111:VAL:CG2	3.07	0.42
2:3q:215:THR:H	2:3q:218:ASN:ND2	2.18	0.42
2:5l:215:THR:H	2:5l:218:ASN:ND2	2.18	0.42
2:6q:111:VAL:HG21	2:9K:41:TYR:OH	2.19	0.42
2:8w:120:ILE:HD13	2:9I:120:ILE:CD1	2.50	0.42
2:8w:184:LEU:CD2	2:9I:184:LEU:HD21	2.19	0.42
2:8w:259:VAL:HG13	2:9I:259:VAL:CA	2.00	0.42
2:8y:131:THR:HG1	2:9M:141:PRO:HD3	1.77	0.42
2:8y:219:LYS:HE3	2:9J:224:THR:O	2.19	0.42
2:8y:223:ARG:NH1	2:9J:227:GLY:C	2.69	0.42
2:9L:63:TRP:CD1	2:9L:112:ILE:HD11	2.54	0.42
2:1u:97:TYR:OH	2:1u:111:VAL:HB	2.15	0.42
2:1u:179:ASN:ND2	2:1u:192:ASN:HD22	2.11	0.42
2:1x:63:TRP:CD1	2:1x:112:ILE:HD11	2.54	0.42
2:3u:63:TRP:CD1	2:3u:112:ILE:HD11	2.54	0.42
2:3u:215:THR:H	2:3u:218:ASN:ND2	2.18	0.42
2:3u:269:LEU:CD2	2:4m:270:ILE:HG12	2.20	0.42
2:3v:215:THR:H	2:3v:218:ASN:ND2	2.17	0.42
2:3w:215:THR:H	2:3w:218:ASN:ND2	2.18	0.42
2:5m:234:LEU:HD11	2:6w:234:LEU:CD2	2.50	0.42
2:5n:226:ILE:HG22	2:7u:222:LEU:HD13	2.02	0.42
2:5n:242:LEU:HD23	2:7u:245:VAL:CA	2.49	0.42
2:6v:41:TYR:CD2	2:6v:57:MET:HE1	2.48	0.42
2:6v:91:PRO:O	2:6v:92:SER:HB3	2.19	0.42
2:6x:199:LEU:O	2:9R:188:THR:OG1	2.36	0.42
2:7w:215:THR:H	2:7w:218:ASN:ND2	2.18	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7w:219:LYS:CE	2:9R:226:ILE:C	2.92	0.42
2:9M:149[A]:ILE:HA	2:9J:145:ARG:HD3	2.02	0.42
2:9M:237:ALA:HB2	2:9J:245:VAL:N	2.34	0.42
2:9Q:91:PRO:O	2:9Q:92:SER:HB3	2.19	0.42
1:2B:30:ASP:OD1	1:2B:30:ASP:N	2.45	0.42
1:2B:58:GLN:O	1:2B:58:GLN:HG2	2.18	0.42
1:2E:54:ASN:OD1	1:2E:54:ASN:C	2.61	0.42
1:2E:202:GLU:O	1:2E:202:GLU:OE1	2.38	0.42
1:3D:355:SER:O	1:3D:356:PRO:C	2.61	0.42
1:4B:226:LEU:HA	1:4B:227:PRO:HD3	1.92	0.42
1:4C:287:SER:OG	1:4C:288:THR:N	2.52	0.42
1:5A:36:VAL:N	1:5A:37:PRO:HD2	2.35	0.42
1:5B:67:ASP:O	1:5B:68:ARG:HB2	2.19	0.42
1:5F:439:PRO:O	1:5F:440:ASN:HB3	2.20	0.42
1:6A:202:GLU:HA	1:6A:203:PRO:HD3	1.56	0.42
1:6B:334:ARG:O	1:6B:335:PHE:CB	2.67	0.42
1:8A:111:ASP:C	1:8A:111:ASP:OD2	2.63	0.42
1:8B:205:SER:OG	1:8B:206:SER:N	2.50	0.42
1:2F:275:PHE:O	1:2F:276:LEU:HB2	2.20	0.42
1:2H:319:TYR:CD1	1:2H:319:TYR:C	2.98	0.42
1:2H:419:ASP:OD1	1:2H:419:ASP:C	2.62	0.42
1:3J:314:ASN:OD1	1:3J:314:ASN:C	2.63	0.42
1:4K:204:THR:O	1:4K:206:SER:N	2.53	0.42
1:5L:439:PRO:O	1:5L:440:ASN:HB3	2.20	0.42
1:6H:19:ASP:OD1	1:6H:19:ASP:C	2.63	0.42
1:6K:419:ASP:OD1	1:6K:419:ASP:C	2.62	0.42
1:7H:202:GLU:O	1:7H:202:GLU:HG3	2.18	0.42
1:8L:200:ILE:HD13	1:8L:341:PHE:HB3	2.01	0.42
1:1Q:6:ASN:OD1	1:1Q:6:ASN:C	2.61	0.42
1:1Q:81:ASN:OD1	1:1Q:81:ASN:C	2.60	0.42
1:2K:245:GLU:OE1	1:2K:245:GLU:N	2.33	0.42
1:2L:37:PRO:O	1:2L:38:LEU:HB2	2.20	0.42
1:2L:355:SER:N	1:2L:370:THR:O	2.45	0.42
1:2M:363:GLN:HB3	1:2M:406:GLY:HA2	2.01	0.42
1:3M:96:THR:HA	1:3M:132:HIS:O	2.19	0.42
1:3M:355:SER:CB	1:3M:356:PRO:HD3	2.50	0.42
1:3N:291:GLU:O	1:3N:292:ALA:HB3	2.20	0.42
1:3Q:200:ILE:HG22	1:3Q:216:LYS:HD3	2.02	0.42
1:4Q:204:THR:O	1:4Q:206:SER:N	2.53	0.42
1:5R:136:ARG:NH2	1:5R:140:TYR:OH	2.53	0.42
1:6N:97:ILE:HB	1:6N:132:HIS:HB2	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6Q:145:GLN:HG2	1:6Q:319:TYR:HB3	2.01	0.42
1:7K:28:GLN:OE1	2:6o:27:ILE:CD1	2.68	0.42
1:1S:249:LEU:HD23	1:1S:249:LEU:HA	1.84	0.42
1:1S:289:GLY:O	1:1S:343:SER:N	2.48	0.42
1:2S:140:TYR:CD1	1:2S:140:TYR:N	2.88	0.42
1:2T:407:ASN:ND2	2:2s:46:ASP:HB2	2.35	0.42
1:3S:355:SER:CB	1:3S:356:PRO:HD3	2.50	0.42
1:3W:56:THR:O	1:3W:56:THR:HG22	2.18	0.42
1:4S:358:ILE:O	1:4S:358:ILE:HG23	2.20	0.42
1:5S:36:VAL:N	1:5S:37:PRO:HD2	2.35	0.42
1:1c:128:LYS:NZ	1:1c:355:SER:O	2.53	0.42
1:1c:407:ASN:OD1	1:1c:407:ASN:C	2.62	0.42
1:1d:111:ASP:OD1	1:1d:111:ASP:C	2.61	0.42
1:1d:227:PRO:O	1:1d:228:GLN:HB3	2.20	0.42
1:2U:268:PHE:N	1:2U:268:PHE:CD1	2.82	0.42
1:2Y:202:GLU:O	1:2Y:202:GLU:OE1	2.38	0.42
1:3a:95:ARG:O	1:3a:96:THR:HB	2.20	0.42
1:3d:81:ASN:OD1	1:3d:81:ASN:C	2.61	0.42
1:5Y:226:LEU:HA	1:5Y:227:PRO:HD3	1.83	0.42
1:5Z:20:ILE:O	1:5Z:23:ALA:N	2.52	0.42
1:5d:355:SER:O	1:5d:356:PRO:C	2.61	0.42
1:6Z:156:TRP:O	1:6Z:157:GLY:C	2.62	0.42
1:6d:232:ASP:N	1:6d:232:ASP:OD1	2.50	0.42
1:8c:406:GLY:O	1:8c:407:ASN:HB3	2.20	0.42
2:2a:125:ILE:HA	2:3f:120:ILE:O	2.19	0.42
2:2d:248:GLY:CA	2:3k:279:ILE:HA	2.50	0.42
2:3g:238:THR:O	2:2x:246:LYS:HA	2.20	0.42
2:4e:215:THR:H	2:4e:218:ASN:ND2	2.17	0.42
2:5e:91:PRO:O	2:5e:92:SER:HB3	2.19	0.42
2:5e:263:VAL:CG2	2:6g:262:ALA:HB2	2.49	0.42
2:6h:120:ILE:HD12	2:8j:120:ILE:HD11	1.99	0.42
2:7d:215:THR:H	2:7d:218:ASN:ND2	2.18	0.42
2:8f:41:TYR:CD2	2:8f:57:MET:HE1	2.48	0.42
2:8g:242:LEU:HD23	2:8k:246:LYS:CA	2.50	0.42
2:8h:215:THR:H	2:8h:218:ASN:ND2	2.18	0.42
2:8j:215:THR:H	2:8j:218:ASN:ND2	2.18	0.42
2:9F:227:GLY:C	2:9O:223:ARG:NH1	2.69	0.42
2:9F:280:SER:HG	2:9O:247:LYS:CG	2.28	0.42
2:1i:59:PRO:CD	2:1p:61:ALA:HB2	2.49	0.42
2:1i:215:THR:H	2:1i:218:ASN:ND2	2.17	0.42
2:1j:206:VAL:HG11	2:2f:210:LEU:HA	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1j:239:THR:O	2:2f:246:LYS:HB3	2.19	0.42
2:1j:242:LEU:HA	2:2f:245:VAL:O	2.20	0.42
2:1k:229:GLY:CA	2:3k:231:PRO:CD	2.94	0.42
2:2f:57:MET:SD	2:3j:111:VAL:HG22	2.59	0.42
2:2g:230:VAL:C	2:3i:229:GLY:CA	2.88	0.42
2:2h:27:ILE:CA	2:3p:73:VAL:HG11	2.48	0.42
2:2i:57:MET:CE	2:1o:111:VAL:HG13	2.48	0.42
2:3k:41:TYR:OH	2:3k:57:MET:SD	2.76	0.42
2:3l:91:PRO:O	2:3l:92:SER:CB	2.67	0.42
2:5g:91:PRO:O	2:5g:92:SER:HB3	2.19	0.42
2:5g:131:THR:OG1	2:6k:140:THR:HA	2.19	0.42
2:5h:63:TRP:CD1	2:5h:112:ILE:HD11	2.54	0.42
2:5h:148[B]:ILE:HD12	2:7f:148[B]:ILE:HD11	2.00	0.42
2:6k:215:THR:H	2:6k:218:ASN:ND2	2.18	0.42
2:7f:215:THR:H	2:7f:218:ASN:ND2	2.18	0.42
2:8k:125:ILE:HD13	2:9G:125:ILE:HD11	2.02	0.42
2:8k:179:ASN:ND2	2:8k:192:ASN:HD22	2.11	0.42
2:8l:57:MET:HE2	2:8l:57:MET:HA	2.00	0.42
2:8l:91:PRO:O	2:8l:92:SER:HB3	2.19	0.42
2:8m:121[B]:GLU:HA	2:9H:127:ASP:OD1	2.19	0.42
2:8m:266:LEU:CD2	2:8q:254:SER:OG	2.40	0.42
2:8n:179:ASN:ND2	2:8n:192:ASN:HD22	2.11	0.42
2:1o:269:LEU:CB	2:3o:269:LEU:CD2	2.95	0.42
2:1o:281:LEU:HA	2:3o:250:ALA:HB1	2.01	0.42
2:2l:197:GLN:NE2	2:3m:200:LEU:O	2.52	0.42
2:2n:210:LEU:HA	2:3s:206:VAL:CG1	2.46	0.42
2:2n:246:LYS:HA	2:3s:238:THR:O	2.20	0.42
2:4j:111:VAL:HG11	2:3t:41:TYR:HH	1.85	0.42
2:5i:131:THR:OG1	2:6o:140:THR:HA	2.19	0.42
2:5i:176:SER:HB3	2:6o:164:ASN:OD1	2.19	0.42
2:6m:253:ALA:HB1	2:8u:267:ASN:HB3	2.01	0.42
2:6n:91:PRO:O	2:6n:92:SER:HB3	2.19	0.42
2:6p:97:TYR:OH	2:6p:111:VAL:HB	2.15	0.42
2:7m:219:LYS:CE	2:8v:226:ILE:C	2.92	0.42
2:7m:250:ALA:CB	2:8v:281:LEU:O	2.68	0.42
2:8q:175:PHE:HA	2:9H:171:GLN:HE22	1.79	0.42
2:8s:246:LYS:CD	2:9I:240:THR:CA	2.90	0.42
2:1q:244:GLY:CA	2:2o:242:LEU:HA	2.47	0.42
2:1s:150:GLU:OE1	2:3s:145:ARG:NH2	2.48	0.42
2:1s:278:ILE:HG22	2:3s:273:LEU:HD23	2.01	0.42
2:2o:160:GLY:HA2	2:1x:173:LEU:HD22	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2p:125:ILE:HA	2:3r:120:ILE:O	2.19	0.42
2:2r:179:ASN:ND2	2:2r:192:ASN:HD22	2.11	0.42
2:2r:200:LEU:HD23	2:3x:196:LEU:HB3	2.01	0.42
2:3t:215:THR:H	2:3t:218:ASN:ND2	2.17	0.42
2:4k:38:ILE:HD11	2:4k:114:ARG:HH22	1.73	0.42
2:6q:183:PHE:CZ	2:9K:183:PHE:CE2	3.08	0.42
2:6s:127:ASP:OD1	2:7o:122:VAL:N	2.51	0.42
2:6s:173:LEU:HB3	2:7o:157:LEU:CD1	2.47	0.42
2:7r:19:LEU:N	2:7r:41:TYR:O	2.46	0.42
2:7r:250:ALA:CB	2:9L:281:LEU:O	2.68	0.42
2:8w:149[A]:ILE:HA	2:9I:145:ARG:HD3	2.01	0.42
2:8y:183:PHE:CZ	2:9J:199:LEU:HD12	2.52	0.42
2:8y:237:ALA:HB3	2:9M:247:LYS:HB2	1.90	0.42
2:8y:259:VAL:CG1	2:9M:258:ASP:N	2.74	0.42
2:8z:215:THR:H	2:8z:218:ASN:ND2	2.18	0.42
2:9K:91:PRO:O	2:9K:92:SER:HB3	2.19	0.42
2:1v:228:ALA:CA	2:2u:229:GLY:O	2.67	0.42
2:1w:91:PRO:O	2:1w:92:SER:CB	2.67	0.42
2:1w:150:GLU:OE1	2:3w:145:ARG:NH2	2.48	0.42
2:3u:219:LYS:CG	2:4m:226:ILE:HA	2.46	0.42
2:3u:246:LYS:HD3	2:4m:240:THR:HA	2.00	0.42
2:3x:57:MET:HE2	2:3x:57:MET:HA	2.00	0.42
2:3x:91:PRO:O	2:3x:92:SER:CB	2.67	0.42
2:5m:131:THR:OG1	2:6w:140:THR:HA	2.19	0.42
2:5m:215:THR:H	2:5m:218:ASN:ND2	2.17	0.42
2:5n:239:THR:CG2	2:7u:247:LYS:HB3	2.49	0.42
2:6u:183:PHE:CZ	2:9Q:183:PHE:CE2	3.08	0.42
2:6w:59:PRO:HG2	2:7t:59:PRO:O	2.20	0.42
2:7t:215:THR:H	2:7t:218:ASN:ND2	2.18	0.42
2:7v:53:THR:OG1	2:7v:54:GLN:N	2.51	0.42
2:7w:247:LYS:H	2:9R:237:ALA:HB1	1.82	0.42
2:9M:206:VAL:HG13	2:9J:210:LEU:HA	2.02	0.42
2:9N:91:PRO:O	2:9N:92:SER:CB	2.67	0.42
2:9Q:108:VAL:O	2:9Q:108:VAL:HG13	2.19	0.42
1:1A:289:GLY:O	1:1A:343:SER:N	2.48	0.42
1:1D:6:ASN:OD1	1:1D:6:ASN:C	2.63	0.42
1:1E:323:TYR:CZ	1:1Z:316:ARG:HD3	2.55	0.42
1:2B:447:GLN:HA	2:2b:41:TYR:HE1	0.84	0.42
1:2C:6:ASN:OD1	1:2C:6:ASN:C	2.59	0.42
1:2C:319:TYR:CD1	1:2C:319:TYR:C	2.98	0.42
1:3B:81:ASN:OD1	1:3B:81:ASN:C	2.61	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3C:95:ARG:O	1:3C:96:THR:HB	2.20	0.42
1:3C:438:ARG:NH1	1:3C:438:ARG:CG	2.82	0.42
1:4B:66:VAL:O	1:4B:66:VAL:CG1	2.68	0.42
1:4B:135:ASN:OD1	1:4B:135:ASN:N	2.50	0.42
1:4E:446:ALA:HA	2:4e:44:VAL:HG23	2.02	0.42
1:5B:215:LYS:HD2	1:5C:258:GLU:HG2	2.00	0.42
1:5E:17:SER:OG	1:5E:18:TYR:N	2.53	0.42
1:5E:111:ASP:OD1	1:5E:111:ASP:C	2.63	0.42
1:6A:447:GLN:CD	2:6h:58:TYR:HB2	2.45	0.42
1:6D:16:GLU:OE1	1:6D:16:GLU:N	2.44	0.42
1:6E:407:ASN:N	1:6E:407:ASN:OD1	2.51	0.42
1:7B:447:GLN:HG2	2:7b:41:TYR:OH	2.19	0.42
1:7C:111:ASP:OD1	1:7C:111:ASP:C	2.61	0.42
1:7E:135:ASN:OD1	1:7E:135:ASN:N	2.51	0.42
1:8A:316:ARG:HD3	1:8H:323:TYR:CE2	2.55	0.42
1:8E:267:ALA:O	1:8E:269:ASN:N	2.52	0.42
1:2G:447:GLN:O	2:2g:42:VAL:HG12	2.20	0.42
1:2I:140:TYR:CD1	1:2I:140:TYR:N	2.88	0.42
1:3H:54:ASN:OD1	1:3H:54:ASN:C	2.60	0.42
1:3K:208:GLY:O	1:3K:212:GLU:HG3	2.19	0.42
1:3K:319:TYR:C	1:3K:319:TYR:CD1	2.96	0.42
1:4I:287:SER:OG	1:4I:288:THR:N	2.52	0.42
1:4L:110:TYR:CG	1:4L:111:ASP:N	2.86	0.42
1:5K:345:ASP:O	1:5K:346:VAL:HB	2.20	0.42
1:6H:97:ILE:HB	1:6H:132:HIS:HB2	2.02	0.42
1:6I:208:GLY:O	1:6I:212:GLU:HG3	2.19	0.42
1:6J:205:SER:OG	1:6J:206:SER:N	2.46	0.42
1:6J:331:SER:OG	1:6J:332:VAL:N	2.52	0.42
1:7G:447:GLN:O	2:7g:41:TYR:CD2	2.69	0.42
1:7H:314:ASN:OD1	1:7H:314:ASN:C	2.62	0.42
1:7I:420:ILE:HG13	1:7I:427:LYS:HB2	2.00	0.42
1:1N:316:ARG:HD3	1:1W:323:TYR:CZ	2.54	0.42
1:1Q:393:GLY:O	1:1Q:394:THR:HB	2.19	0.42
1:2O:438:ARG:O	1:2O:439:PRO:C	2.62	0.42
1:3M:36:VAL:N	1:3M:37:PRO:HD2	2.34	0.42
1:3O:95:ARG:O	1:3O:96:THR:HB	2.20	0.42
1:4N:36:VAL:HB	1:4N:37:PRO:HD3	2.01	0.42
1:4N:66:VAL:O	1:4N:66:VAL:CG1	2.68	0.42
1:4N:387:VAL:O	1:4N:387:VAL:HG13	2.18	0.42
1:4Q:446:ALA:O	2:4i:55:VAL:HA	2.19	0.42
1:6P:363:GLN:HB3	1:6P:406:GLY:HA2	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7M:314:ASN:OD1	1:7M:314:ASN:C	2.62	0.42
1:7M:447:GLN:HG2	2:7k:56:ASN:HB2	2.02	0.42
1:8N:443:SER:HA	2:8r:45:LYS:HZ2	1.83	0.42
1:8Q:19:ASP:OD1	1:8Q:19:ASP:C	2.61	0.42
1:8Q:406:GLY:O	1:8Q:407:ASN:HB3	2.20	0.42
1:1S:391:SER:OG	1:1S:392:THR:N	2.53	0.42
1:1T:316:ARG:HD3	1:1c:323:TYR:CZ	2.54	0.42
1:1V:393:GLY:HA3	2:1t:107:LEU:HD11	2.02	0.42
1:2Q:366:GLN:NE2	2:2q:64:GLN:OE1	2.53	0.42
1:3U:438:ARG:NH1	1:3U:438:ARG:CG	2.82	0.42
1:3V:419:ASP:OD1	1:3V:419:ASP:C	2.63	0.42
1:3W:208:GLY:O	1:3W:212:GLU:HG3	2.19	0.42
1:5X:355:SER:O	1:5X:356:PRO:C	2.61	0.42
1:6T:334:ARG:O	1:6T:335:PHE:CB	2.67	0.42
1:6V:363:GLN:HB3	1:6V:406:GLY:HA2	2.02	0.42
1:6W:445:GLY:CA	2:6r:45:LYS:N	2.79	0.42
1:8S:132:HIS:O	1:8S:133:GLU:HB2	2.19	0.42
1:8V:111:ASP:OD1	1:8V:111:ASP:C	2.61	0.42
1:8V:202:GLU:HG3	1:8V:343:SER:HB2	2.02	0.42
1:1Y:363:GLN:HG2	1:1Y:406:GLY:HA2	2.02	0.42
1:1c:310:GLU:OE1	1:1c:310:GLU:HA	2.20	0.42
1:5a:291:GLU:O	1:5a:292:ALA:HB3	2.20	0.42
1:5c:448:ALA:C	2:5m:63:TRP:HZ2	2.28	0.42
1:6Y:142:GLN:NE2	1:6Y:142:GLN:HA	2.34	0.42
1:6b:419:ASP:OD1	1:6b:419:ASP:O	2.38	0.42
1:6c:145:GLN:HG2	1:6c:319:TYR:HB3	2.01	0.42
1:8Y:132:HIS:O	1:8Y:133:GLU:HB2	2.20	0.42
1:8a:111:ASP:OD1	1:8a:111:ASP:C	2.63	0.42
1:8b:245:GLU:OE1	1:8b:245:GLU:N	2.30	0.42
2:1h:200:LEU:O	2:2t:197:GLN:HG3	2.20	0.42
2:2b:193:LYS:HE3	2:3e:198:GLN:O	2.20	0.42
2:2b:238:THR:O	2:4e:246:LYS:HA	2.20	0.42
2:2c:240:THR:C	2:3l:245:VAL:O	2.63	0.42
2:3e:259:VAL:CG2	2:4e:259:VAL:HG22	2.42	0.42
2:3h:226:ILE:HG21	2:4n:226:ILE:CD1	2.49	0.42
2:5e:131:THR:OG1	2:6g:140:THR:HA	2.19	0.42
2:5f:226:ILE:HG22	2:7a:222:LEU:HD13	2.02	0.42
2:6e:63:TRP:CD1	2:6e:112:ILE:HD11	2.54	0.42
2:6e:252:THR:O	2:8i:270:ILE:HD12	2.07	0.42
2:6g:226:ILE:O	2:7Z:219:LYS:HB3	2.19	0.42
2:6h:170:LEU:HD13	2:7c:174:LEU:HD23	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6h:277:GLY:C	2:8j:247:LYS:HE3	2.45	0.42
2:7a:242:LEU:C	2:6v:234:LEU:HD23	2.43	0.42
2:8e:215:THR:H	2:8e:218:ASN:ND2	2.18	0.42
2:8e:234:LEU:HD12	2:9F:234:LEU:HB2	1.81	0.42
2:8g:183:PHE:HE1	2:9G:199:LEU:HB2	1.85	0.42
2:8g:209:LEU:HA	2:9G:225:MET:SD	2.59	0.42
2:8g:214:PRO:CG	2:9G:225:MET:CG	2.72	0.42
2:1j:59:PRO:HG2	2:2f:59:PRO:O	2.19	0.42
2:1k:91:PRO:O	2:1k:92:SER:HB3	2.19	0.42
2:1k:108:VAL:O	2:1k:108:VAL:HG13	2.19	0.42
2:1k:200:LEU:O	2:3k:193:LYS:HD3	2.15	0.42
2:2e:179:ASN:ND2	2:2e:192:ASN:HD22	2.11	0.42
2:2e:244:GLY:HA3	2:1p:242:LEU:HB3	2.02	0.42
2:2e:246:LYS:HB3	2:1p:239:THR:HA	2.01	0.42
2:2g:219:LYS:CB	2:3i:226:ILE:HA	2.50	0.42
2:2i:23:GLN:NE2	2:1o:74:GLY:C	2.76	0.42
2:4g:91:PRO:O	2:4g:92:SER:HB3	2.19	0.42
2:4g:108:VAL:O	2:4g:108:VAL:HG13	2.19	0.42
2:5g:41:TYR:CD2	2:5g:57:MET:HE1	2.48	0.42
2:5g:108:VAL:O	2:5g:108:VAL:HG13	2.19	0.42
2:6i:119:SER:HB3	2:8o:126:LYS:HE2	2.01	0.42
2:6i:215:THR:H	2:6i:218:ASN:ND2	2.18	0.42
2:6j:226:ILE:O	2:5j:223:ARG:NH1	2.53	0.42
2:7g:215:THR:H	2:7g:218:ASN:ND2	2.18	0.42
2:8n:226:ILE:CG2	2:7n:222:LEU:HB3	2.50	0.42
2:8n:242:LEU:HD22	2:7n:244:GLY:O	1.89	0.42
2:1n:63:TRP:CD1	2:1n:112:ILE:HD11	2.54	0.42
2:1n:215:THR:H	2:1n:218:ASN:ND2	2.18	0.42
2:1n:223:ARG:HA	2:3n:226:ILE:HD12	2.02	0.42
2:1o:91:PRO:O	2:1o:92:SER:CB	2.67	0.42
2:1o:150:GLU:HG3	2:3o:145:ARG:HH12	1.85	0.42
2:1o:200:LEU:O	2:3o:193:LYS:HD3	2.16	0.42
2:2k:125:ILE:HA	2:3n:120:ILE:O	2.19	0.42
2:2k:240:THR:CA	2:3n:246:LYS:CD	2.93	0.42
2:2n:186:ALA:HA	2:3s:199:LEU:CD1	2.49	0.42
2:2n:266:LEU:HA	2:3s:266:LEU:CD1	2.49	0.42
2:5i:91:PRO:O	2:5i:92:SER:CB	2.67	0.42
2:5i:120:ILE:CD1	2:7j:120:ILE:HG21	2.39	0.42
2:6n:111:VAL:CG2	2:7p:57:MET:SD	3.07	0.42
2:6n:247:LYS:HG2	2:7p:280:SER:OG	2.19	0.42
2:6o:238:THR:O	2:7j:247:LYS:N	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:7j:215:THR:H	2:7j:218:ASN:ND2	2.18	0.42
2:8q:120:ILE:HD13	2:9H:120:ILE:CD1	2.50	0.42
2:8u:179:ASN:ND2	2:8u:192:ASN:HD22	2.11	0.42
2:1r:59:PRO:HG2	2:2p:59:PRO:O	2.19	0.42
2:1r:206:VAL:HG11	2:2p:210:LEU:HA	2.01	0.42
2:2o:244:GLY:HA3	2:1x:242:LEU:HB3	2.02	0.42
2:2p:238:THR:C	2:3r:247:LYS:CB	2.61	0.42
2:2r:158[A]:ILE:HA	2:4l:154:ALA:HB1	2.01	0.42
2:2r:225:MET:O	2:3x:219:LYS:CG	2.68	0.42
2:4l:215:THR:H	2:4l:218:ASN:ND2	2.18	0.42
2:5k:72:LYS:NZ	2:7o:26:ASP:OD1	2.50	0.42
2:5k:174:LEU:O	2:6s:171:GLN:NE2	2.52	0.42
2:6r:57:MET:HA	2:6r:57:MET:HE2	2.00	0.42
2:7r:250:ALA:CB	2:9L:280:SER:O	2.66	0.42
2:8y:259:VAL:CG2	2:9M:258:ASP:HA	2.46	0.42
2:1v:242:LEU:HA	2:2u:245:VAL:O	2.20	0.42
2:1w:245:VAL:CG2	2:3w:245:VAL:HG22	2.38	0.42
2:1w:278:ILE:HG22	2:3w:273:LEU:HD23	2.01	0.42
2:2v:239:THR:CA	2:4m:247:LYS:HB3	2.49	0.42
2:2v:244:GLY:C	2:3u:242:LEU:CD2	2.91	0.42
2:3w:63:TRP:CD1	2:3w:112:ILE:HD11	2.54	0.42
2:6x:170:LEU:HD13	2:7w:174:LEU:HD23	2.02	0.42
2:6x:215:THR:H	2:6x:218:ASN:ND2	2.17	0.42
2:6x:251:VAL:HG13	2:7w:279:ILE:HD12	2.00	0.42
2:9N:108:VAL:O	2:9N:108:VAL:HG13	2.19	0.42
2:9P:215:THR:H	2:9P:218:ASN:ND2	2.18	0.42
1:2B:354:VAL:HG21	1:2B:432:GLU:C	2.45	0.42
1:2C:19:ASP:OD1	1:2C:19:ASP:C	2.61	0.42
1:3B:355:SER:CB	1:3B:356:PRO:HD3	2.49	0.42
1:3C:36:VAL:N	1:3C:37:PRO:HD2	2.35	0.42
1:3D:341:PHE:CD1	1:3D:341:PHE:N	2.87	0.42
1:3E:200:ILE:HG22	1:3E:216:LYS:HD3	2.02	0.42
1:4B:356:PRO:O	1:4B:357:ASN:HB2	2.20	0.42
1:5B:356:PRO:O	1:5B:357:ASN:HB2	2.19	0.42
1:5C:355:SER:CB	1:5C:356:PRO:CD	2.98	0.42
1:5D:397:THR:OG1	1:5D:398:GLY:N	2.51	0.42
1:5E:228:GLN:H	1:5E:228:GLN:CD	2.16	0.42
1:6F:291:GLU:O	1:6F:292:ALA:HB3	2.20	0.42
1:8E:445:GLY:CA	2:8h:44:VAL:CG2	2.97	0.42
1:8E:447:GLN:HA	2:8h:56:ASN:O	2.19	0.42
1:4H:205:SER:O	1:4H:206:SER:CB	2.68	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5L:362:LYS:HA	1:5L:438:ARG:HB3	2.01	0.42
1:6J:419:ASP:OD1	1:6J:419:ASP:O	2.38	0.42
1:6K:18:TYR:CD1	1:6K:18:TYR:C	2.97	0.42
1:6L:291:GLU:O	1:6L:292:ALA:HB3	2.20	0.42
1:7I:355:SER:CB	1:7I:356:PRO:CD	2.98	0.42
1:7I:445:GLY:HA2	2:7e:45:LYS:HD2	2.02	0.42
1:7J:446:ALA:O	2:7h:56:ASN:N	2.43	0.42
1:8G:132:HIS:O	1:8G:133:GLU:HB2	2.19	0.42
1:8G:355:SER:CB	1:8G:356:PRO:CD	2.97	0.42
1:2K:275:PHE:O	1:2K:276:LEU:HB2	2.20	0.42
1:2M:319:TYR:CD1	1:2M:319:TYR:C	2.98	0.42
1:2M:385:TRP:N	2:2k:106:GLN:NE2	2.68	0.42
1:3O:226:LEU:HA	1:3O:227:PRO:HD3	1.86	0.42
1:3P:314:ASN:OD1	1:3P:314:ASN:C	2.63	0.42
1:4Q:274:ASP:OD1	1:4Q:274:ASP:C	2.63	0.42
1:5M:19:ASP:OD1	1:5M:19:ASP:C	2.63	0.42
1:5Q:201:ASP:HB2	1:5Q:343:SER:HB2	2.02	0.42
1:6M:190:TYR:CD2	1:6M:190:TYR:C	2.96	0.42
1:6N:334:ARG:O	1:6N:335:PHE:CB	2.67	0.42
1:6P:331:SER:OG	1:6P:332:VAL:N	2.52	0.42
1:7K:271:ASN:OD1	1:7K:271:ASN:C	2.61	0.42
1:7M:332:VAL:HB	1:7N:49:ALA:HA	2.01	0.42
1:8M:355:SER:CB	1:8M:356:PRO:CD	2.98	0.42
1:8O:226:LEU:HA	1:8O:227:PRO:HD3	1.85	0.42
1:2P:395:ALA:CB	2:2r:107:LEU:HG	2.49	0.42
1:2R:270:MET:O	1:2R:271:ASN:CB	2.68	0.42
1:2T:438:ARG:O	1:2T:439:PRO:C	2.62	0.42
1:3U:377:ASN:O	1:3U:378:ALA:CB	2.67	0.42
1:4W:36:VAL:HB	1:4W:37:PRO:HD3	2.02	0.42
1:4X:217:MET:HB3	1:4X:217:MET:HE3	1.78	0.42
1:6T:21:VAL:O	1:6T:25:ARG:N	2.52	0.42
1:6T:447:GLN:C	2:6s:41:TYR:CD1	2.91	0.42
1:7P:446:ALA:CB	2:7s:19:LEU:HD12	2.49	0.42
1:7T:26:ASN:CG	2:5l:51:ASP:OD1	2.62	0.42
1:1c:27:SER:OG	1:1c:29:GLY:O	2.37	0.42
1:2V:354:VAL:HG21	1:2V:432:GLU:C	2.45	0.42
1:3Y:200:ILE:HG12	1:3Y:342:VAL:C	2.45	0.42
1:3Y:355:SER:CB	1:3Y:356:PRO:HD3	2.50	0.42
1:3Y:419:ASP:OD1	1:3Y:419:ASP:C	2.60	0.42
1:3c:200:ILE:HG22	1:3c:216:LYS:HD3	2.02	0.42
1:4Y:358:ILE:O	1:4Y:358:ILE:HG23	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4Z:66:VAL:O	1:4Z:66:VAL:CG1	2.68	0.42
1:4a:88:LYS:O	1:4a:88:LYS:CG	2.67	0.42
1:5a:243:TYR:CD2	1:5a:243:TYR:N	2.88	0.42
1:5d:362:LYS:HA	1:5d:438:ARG:HB3	2.01	0.42
1:6Z:122:ARG:HA	1:6a:143:THR:HG21	2.01	0.42
1:6a:355:SER:CB	1:6a:356:PRO:CD	2.98	0.42
1:6c:18:TYR:CD1	1:6c:18:TYR:C	2.97	0.42
1:6c:412:LEU:HB2	1:6c:435:VAL:HB	2.01	0.42
1:8Y:407:ASN:OD1	2:9M:45:LYS:CB	2.67	0.42
1:8d:19:ASP:OD1	1:8d:19:ASP:C	2.58	0.42
1:8d:443:SER:C	2:9O:45:LYS:HZ2	2.24	0.42
1:9E:406:GLY:HA3	2:9J:45:LYS:CE	2.44	0.42
2:1f:228:ALA:CA	2:2a:229:GLY:O	2.67	0.42
2:1g:91:PRO:O	2:1g:92:SER:HB3	2.19	0.42
2:1h:125:ILE:HA	2:2t:120:ILE:O	2.19	0.42
2:1h:201:VAL:C	2:2t:193:LYS:HD3	2.44	0.42
2:2b:197:GLN:CG	2:3e:200:LEU:O	2.63	0.42
2:2c:200:LEU:HD23	2:3l:196:LEU:HB3	2.01	0.42
2:2d:186:ALA:HA	2:3k:199:LEU:CD1	2.49	0.42
2:3h:219:LYS:CG	2:2w:225:MET:O	2.68	0.42
2:6e:183:PHE:CZ	2:8i:183:PHE:CE2	3.08	0.42
2:6g:127:ASP:OD1	2:7Z:121[B]:GLU:CA	2.63	0.42
2:6g:242:LEU:HD23	2:7Z:244:GLY:O	2.15	0.42
2:6h:91:PRO:O	2:6h:92:SER:HB3	2.19	0.42
2:8e:254:SER:N	2:9O:270:ILE:HD12	2.34	0.42
2:8f:57:MET:HA	2:8f:57:MET:HE2	2.00	0.42
2:9F:224:THR:O	2:9O:219:LYS:HE3	2.19	0.42
2:1j:63:TRP:CD1	2:1j:112:ILE:HD11	2.54	0.42
2:1k:183:PHE:CE2	2:3k:183:PHE:CZ	3.07	0.42
2:1k:206:VAL:HG21	2:3k:212:GLY:CA	2.48	0.42
2:1k:270:ILE:HA	2:3k:269:LEU:HD13	2.02	0.42
2:2f:242:LEU:HB2	2:3j:234:LEU:HG	2.01	0.42
2:2g:222:LEU:HD13	2:3i:226:ILE:HG21	1.89	0.42
2:2h:19:LEU:N	2:2h:41:TYR:O	2.46	0.42
2:2h:242:LEU:O	2:3p:234:LEU:HD22	2.15	0.42
2:2i:231:PRO:HD3	2:3o:229:GLY:CA	2.50	0.42
2:6i:3:VAL:HG22	2:7l:61:ALA:HB3	2.01	0.42
2:6i:183:PHE:CZ	2:8o:183:PHE:CE2	3.08	0.42
2:6l:232:TYR:HD2	2:7h:232:TYR:CE1	2.38	0.42
2:7h:250:ALA:CB	2:8p:281:LEU:O	2.68	0.42
2:7i:59:PRO:HG3	2:8l:59:PRO:HG2	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8m:215:THR:H	2:8m:218:ASN:ND2	2.17	0.42
2:8m:270:ILE:HD12	2:8q:254:SER:N	2.34	0.42
2:8n:215:THR:H	2:8n:218:ASN:ND2	2.18	0.42
2:1n:239:THR:O	2:2k:246:LYS:HB3	2.19	0.42
2:2l:193:LYS:HE3	2:3m:198:GLN:O	2.20	0.42
2:2l:219:LYS:HA	2:3m:226:ILE:CA	2.45	0.42
2:5i:120:ILE:HD11	2:7j:120:ILE:HD13	0.72	0.42
2:6m:63:TRP:CD1	2:6m:112:ILE:HD11	2.54	0.42
2:6m:138:ILE:O	2:8u:132:GLY:N	2.39	0.42
2:6m:158[A]:ILE:HA	2:8u:154:ALA:CB	2.49	0.42
2:8q:173:LEU:HD13	2:9H:157:LEU:HD12	1.98	0.42
2:8q:179:ASN:ND2	2:8q:192:ASN:HD22	2.11	0.42
2:8r:215:THR:H	2:8r:218:ASN:ND2	2.17	0.42
2:8u:91:PRO:O	2:8u:92:SER:HB3	2.19	0.42
2:1q:108:VAL:O	2:1q:108:VAL:HG13	2.20	0.42
2:1s:180:VAL:HG23	2:3s:186:ALA:HB2	2.01	0.42
2:1s:266:LEU:CD2	2:3s:262:ALA:O	2.64	0.42
2:2o:215:THR:H	2:2o:218:ASN:ND2	2.18	0.42
2:2r:215:THR:H	2:2r:218:ASN:ND2	2.18	0.42
2:2r:241:THR:CG2	2:3x:234:LEU:HD22	2.36	0.42
2:2s:248:GLY:CA	2:3w:279:ILE:HA	2.50	0.42
2:3q:179:ASN:ND2	2:3q:192:ASN:HD22	2.11	0.42
2:5k:215:THR:H	2:5k:218:ASN:ND2	2.17	0.42
2:5k:263:VAL:CG2	2:6s:262:ALA:HB2	2.49	0.42
2:5l:242:LEU:HD23	2:7p:245:VAL:CA	2.49	0.42
2:6r:225:MET:CG	2:5n:214:PRO:HG3	2.45	0.42
2:6t:28:ILE:HD12	2:9L:99:VAL:HA	2.00	0.42
2:7o:179:ASN:ND2	2:7o:192:ASN:HD22	2.11	0.42
2:8w:63:TRP:CD1	2:8w:112:ILE:HD11	2.54	0.42
2:8w:199:LEU:C	2:9I:193:LYS:HG2	2.45	0.42
2:8w:239:THR:C	2:9I:246:LYS:CD	2.84	0.42
2:8x:91:PRO:O	2:8x:92:SER:CB	2.67	0.42
2:8y:215:THR:H	2:8y:218:ASN:ND2	2.17	0.42
2:1w:215:THR:H	2:1w:218:ASN:ND2	2.17	0.42
2:2u:53:THR:OG1	2:2u:54:GLN:N	2.51	0.42
2:2u:179:ASN:ND2	2:2u:192:ASN:HD22	2.11	0.42
2:2u:206:VAL:HG12	2:3v:210:LEU:CD2	2.42	0.42
2:2u:239:THR:HG22	2:3v:248:GLY:CA	2.47	0.42
2:2v:242:LEU:HD23	2:4m:245:VAL:CA	2.50	0.42
2:3v:41:TYR:CD2	2:3v:57:MET:HE1	2.48	0.42
2:5m:108:VAL:O	2:5m:108:VAL:HG13	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6u:179:ASN:ND2	2:6u:192:ASN:HD22	2.11	0.42
2:6u:246:LYS:HG2	2:9Q:242:LEU:HA	2.02	0.42
2:6u:265:ASP:CB	2:9Q:266:LEU:HD22	2.03	0.42
2:9O:91:PRO:O	2:9O:92:SER:HB3	2.19	0.42
2:9Q:38:ILE:HD11	2:9Q:114:ARG:HH22	1.73	0.42
1:1A:447:GLN:N	2:1e:42:VAL:O	2.52	0.42
1:1B:425:LYS:O	1:1B:427:LYS:N	2.53	0.42
1:2A:275:PHE:O	1:2A:276:LEU:HB2	2.20	0.42
1:2C:363:GLN:HB3	1:2C:406:GLY:HA2	2.01	0.42
1:3C:11:SER:OG	1:3C:12:LEU:N	2.53	0.42
1:3C:203:PRO:HD3	1:3C:209:ALA:O	2.20	0.42
1:3E:202:GLU:O	1:3E:209:ALA:HB3	2.15	0.42
1:3F:306:LEU:HB3	1:3F:327:TRP:HB2	2.02	0.42
1:4A:228:GLN:OE1	1:4A:228:GLN:N	2.40	0.42
1:4F:447:GLN:CG	2:4f:44:VAL:CG1	2.98	0.42
1:5F:226:LEU:HA	1:5F:227:PRO:HD3	1.86	0.42
1:6B:156:TRP:O	1:6B:157:GLY:C	2.62	0.42
1:6D:419:ASP:OD1	1:6D:419:ASP:O	2.38	0.42
1:1K:27:SER:OG	1:1K:29:GLY:O	2.37	0.42
1:1K:202:GLU:N	1:1K:203:PRO:HD3	2.35	0.42
1:1K:310:GLU:OE1	1:1K:310:GLU:HA	2.20	0.42
1:2G:59:ASN:ND2	1:3Q:151:THR:OG1	2.53	0.42
1:2G:81:ASN:OD1	1:2G:84:LYS:N	2.53	0.42
1:2G:354:VAL:HG21	1:2G:432:GLU:C	2.45	0.42
1:2H:363:GLN:HB3	1:2H:406:GLY:HA2	2.01	0.42
1:2J:202:GLU:OE1	1:2J:202:GLU:O	2.38	0.42
1:3J:145:GLN:O	1:3J:147:ASP:N	2.53	0.42
1:3L:448:ALA:HB2	2:3i:57:MET:CE	2.50	0.42
1:5J:145:GLN:HG2	1:5J:319:TYR:HB3	2.02	0.42
1:5L:422:THR:CG2	1:5L:427:LYS:CE	2.95	0.42
1:6H:21:VAL:O	1:6H:25:ARG:N	2.52	0.42
1:6H:443:SER:CA	2:6k:56:ASN:HD21	2.22	0.42
1:6H:444:GLY:C	2:6k:44:VAL:HG21	2.45	0.42
1:6I:355:SER:CB	1:6I:356:PRO:CD	2.98	0.42
1:6J:363:GLN:HB3	1:6J:406:GLY:HA2	2.02	0.42
1:6L:445:GLY:H	2:6i:45:LYS:HG2	1.84	0.42
1:7F:355:SER:CB	1:7F:356:PRO:HD3	2.50	0.42
1:8G:134:ARG:O	1:8G:135:ASN:CB	2.68	0.42
1:1P:21:VAL:HG12	1:1P:22:ASN:H	1.85	0.42
1:2L:59:ASN:ND2	1:3W:151:THR:OG1	2.53	0.42
1:2M:6:ASN:OD1	1:2M:6:ASN:C	2.59	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2O:355:SER:OG	1:2O:370:THR:HB	2.19	0.42
1:4M:396:ILE:O	1:4M:396:ILE:HG23	2.19	0.42
1:4N:356:PRO:O	1:4N:357:ASN:HB2	2.20	0.42
1:4Q:286:ALA:O	1:4Q:287:SER:HB3	2.19	0.42
1:5N:190:TYR:CD2	1:5N:190:TYR:C	2.97	0.42
1:5Q:445:GLY:HA2	2:5i:45:LYS:N	2.34	0.42
1:6N:19:ASP:OD1	1:6N:19:ASP:C	2.63	0.42
1:6N:122:ARG:HA	1:6O:143:THR:HG21	2.01	0.42
1:6N:145:GLN:HG2	1:6N:319:TYR:HB3	2.02	0.42
1:7N:405:SER:O	2:7j:44:VAL:O	2.37	0.42
1:7O:355:SER:HB3	1:7O:356:PRO:CD	2.50	0.42
1:8M:132:HIS:O	1:8M:133:GLU:HB2	2.20	0.42
1:8Q:355:SER:O	1:8Q:356:PRO:C	2.63	0.42
1:8Q:448:ALA:CB	2:8t:41:TYR:CE1	2.99	0.42
1:1S:76:GLN:HG2	1:1S:76:GLN:O	2.19	0.42
1:1T:355:SER:CB	1:1T:356:PRO:HD3	2.50	0.42
1:1V:6:ASN:OD1	1:1V:6:ASN:C	2.63	0.42
1:1V:355:SER:HB3	1:1V:356:PRO:CD	2.50	0.42
1:1W:128:LYS:NZ	1:1W:355:SER:O	2.53	0.42
1:1W:407:ASN:OD1	1:1W:407:ASN:C	2.62	0.42
1:3U:447:GLN:CG	2:3t:44:VAL:HG22	2.48	0.42
1:4T:205:SER:O	1:4T:206:SER:CB	2.68	0.42
1:4U:223:LYS:HB3	1:4U:233:TRP:CH2	2.55	0.42
1:4W:140:TYR:CD1	1:4W:140:TYR:N	2.86	0.42
1:5U:36:VAL:N	1:5U:37:PRO:HD2	2.35	0.42
1:5V:391:SER:OG	1:5V:392:THR:N	2.50	0.42
1:5W:445:GLY:N	2:5k:44:VAL:HB	2.33	0.42
1:6S:142:GLN:HA	1:6S:142:GLN:NE2	2.34	0.42
1:6S:425:LYS:O	1:6S:425:LYS:CG	2.65	0.42
1:6T:156:TRP:O	1:6T:157:GLY:C	2.62	0.42
1:6V:282:ILE:C	1:6V:282:ILE:CD1	2.92	0.42
1:6V:419:ASP:OD1	1:6V:419:ASP:O	2.38	0.42
1:6W:124:MET:HA	1:6W:125:PRO:HD3	1.90	0.42
1:6W:446:ALA:CA	2:6r:43:ALA:HA	2.49	0.42
1:6X:111:ASP:OD1	1:6X:111:ASP:C	2.63	0.42
1:1b:6:ASN:OD1	1:1b:6:ASN:C	2.63	0.42
1:1b:355:SER:HB3	1:1b:356:PRO:CD	2.50	0.42
1:2Y:314:ASN:C	1:2Y:314:ASN:OD1	2.62	0.42
1:3Z:19:ASP:OD1	1:3Z:19:ASP:C	2.61	0.42
1:3a:217:MET:HE3	1:3a:217:MET:HB3	1.93	0.42
1:3d:275:PHE:O	1:3d:276:LEU:HB2	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3d:447:GLN:HB2	2:3u:44:VAL:CG1	2.49	0.42
1:4Z:36:VAL:HB	1:4Z:37:PRO:HD3	2.01	0.42
1:4b:81:ASN:OD1	1:4b:81:ASN:C	2.63	0.42
1:4c:356:PRO:HG2	1:4c:369:PHE:CD2	2.54	0.42
1:5Z:67:ASP:O	1:5Z:68:ARG:HB2	2.19	0.42
1:5d:136:ARG:NH2	1:5d:140:TYR:OH	2.53	0.42
1:5d:439:PRO:O	1:5d:440:ASN:HB3	2.20	0.42
1:5d:446:ALA:HB1	2:5n:56:ASN:ND2	2.35	0.42
1:6d:111:ASP:OD1	1:6d:111:ASP:C	2.63	0.42
1:6d:446:ALA:O	2:6u:44:VAL:CG1	2.68	0.42
1:7X:447:GLN:N	2:7t:44:VAL:HG22	2.35	0.42
1:7Y:245:GLU:OE1	1:7Y:245:GLU:N	2.35	0.42
1:8Y:446:ALA:O	2:9M:56:ASN:HB2	2.20	0.42
1:8b:202:GLU:HG3	1:8b:343:SER:HB2	2.02	0.42
2:1e:57:MET:HA	2:1e:57:MET:HE2	2.00	0.42
2:1g:108:VAL:O	2:1g:108:VAL:HG13	2.20	0.42
2:1g:270:ILE:HA	2:3g:269:LEU:HD13	2.02	0.42
2:2Z:167:LYS:CD	2:1l:176:SER:HB3	2.50	0.42
2:2Z:219:LYS:HG2	2:1l:226:ILE:CA	2.48	0.42
2:2a:201:VAL:HG22	2:3f:210:LEU:HB3	2.01	0.42
2:2a:242:LEU:HB3	2:3f:244:GLY:H	1.82	0.42
2:2d:179:ASN:ND2	2:2d:192:ASN:HD22	2.11	0.42
2:2d:267:ASN:CG	2:1k:254:SER:H	2.16	0.42
2:2d:269:LEU:HD13	2:3k:270:ILE:HG12	2.01	0.42
2:3h:245:VAL:O	2:2w:240:THR:C	2.63	0.42
2:5f:215:THR:H	2:5f:218:ASN:ND2	2.18	0.42
2:6e:179:ASN:ND2	2:6e:192:ASN:HD22	2.11	0.42
2:6e:227:GLY:C	2:7g:223:ARG:HD3	2.45	0.42
2:6e:247:LYS:CE	2:8i:277:GLY:HA2	2.46	0.42
2:6e:247:LYS:HG3	2:8i:278:ILE:HA	2.01	0.42
2:6e:251:VAL:HG22	2:8i:270:ILE:HG23	2.01	0.42
2:6g:215:THR:H	2:6g:218:ASN:ND2	2.18	0.42
2:6h:120:ILE:CD1	2:7c:120:ILE:HD11	2.29	0.42
2:7Z:215:THR:H	2:7Z:218:ASN:ND2	2.18	0.42
2:7a:239:THR:O	2:6v:246:LYS:HD3	2.19	0.42
2:7c:254:SER:OG	2:8j:263:VAL:CG1	2.53	0.42
2:7d:111:VAL:HG13	2:9P:57:MET:HE2	2.02	0.42
2:8e:199:LEU:C	2:9F:193:LYS:HG2	2.45	0.42
2:8e:251:VAL:CG1	2:9O:279:ILE:HD13	2.39	0.42
2:8g:222:LEU:O	2:9G:226:ILE:CD1	2.63	0.42
2:8g:267:ASN:OD1	2:8k:253:ALA:CB	2.63	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8i:215:THR:H	2:8i:218:ASN:ND2	2.17	0.42
2:1j:200:LEU:HD13	2:2f:200:LEU:CD1	2.50	0.42
2:1k:234:LEU:CD1	2:3k:234:LEU:CG	2.94	0.42
2:1k:281:LEU:HA	2:3k:250:ALA:HB1	2.01	0.42
2:2g:238:THR:O	2:4g:246:LYS:HA	2.20	0.42
2:2i:186:ALA:HA	2:3o:199:LEU:CD1	2.49	0.42
2:2i:259:VAL:HG21	2:1o:258:ASP:HA	2.01	0.42
2:4g:215:THR:H	2:4g:218:ASN:ND2	2.17	0.42
2:6i:111:VAL:HG21	2:8o:41:TYR:OH	2.19	0.42
2:6k:226:ILE:O	2:7e:219:LYS:HB3	2.19	0.42
2:6l:28:ILE:HD12	2:8p:99:VAL:HA	2.00	0.42
2:7h:219:LYS:CE	2:8p:226:ILE:C	2.92	0.42
2:8k:154:ALA:HB1	2:9G:158[B]:ILE:HA	1.95	0.42
2:8k:199:LEU:C	2:9G:193:LYS:HG2	2.45	0.42
2:8m:91:PRO:O	2:8m:92:SER:CB	2.67	0.42
2:8o:91:PRO:O	2:8o:92:SER:CB	2.67	0.42
2:1n:59:PRO:HG2	2:2k:59:PRO:O	2.19	0.42
2:2j:179:ASN:ND2	2:2j:192:ASN:HD22	2.11	0.42
2:2j:193:LYS:HD3	2:1t:201:VAL:C	2.44	0.42
2:2l:219:LYS:CB	2:3m:226:ILE:HA	2.50	0.42
2:2l:242:LEU:HD23	2:4i:245:VAL:CA	2.50	0.42
2:2n:179:ASN:ND2	2:2n:192:ASN:HD22	2.11	0.42
2:2n:212:GLY:O	2:3s:225:MET:HE2	2.19	0.42
2:3m:247:LYS:O	2:4i:239:THR:HA	2.20	0.42
2:4i:91:PRO:O	2:4i:92:SER:HB3	2.19	0.42
2:4i:91:PRO:O	2:4i:92:SER:CB	2.67	0.42
2:4i:215:THR:H	2:4i:218:ASN:ND2	2.17	0.42
2:4j:215:THR:H	2:4j:218:ASN:ND2	2.18	0.42
2:5i:174:LEU:O	2:6o:171:GLN:NE2	2.52	0.42
2:6n:215:THR:H	2:6n:218:ASN:ND2	2.17	0.42
2:6o:59:PRO:HG2	2:7j:59:PRO:O	2.20	0.42
2:6o:179:ASN:ND2	2:6o:192:ASN:HD22	2.11	0.42
2:6o:243:GLY:HA2	2:7j:234:LEU:HD22	1.98	0.42
2:6p:232:TYR:HD2	2:7m:232:TYR:CE1	2.38	0.42
2:7l:215:THR:H	2:7l:218:ASN:ND2	2.18	0.42
2:8q:149[A]:ILE:HA	2:9H:145:ARG:HD3	2.02	0.42
2:8q:199:LEU:C	2:9H:193:LYS:HG2	2.45	0.42
2:8s:209:LEU:HA	2:9I:225:MET:SD	2.60	0.42
2:8t:41:TYR:OH	2:8t:57:MET:SD	2.76	0.42
2:8u:41:TYR:CD2	2:8u:57:MET:HE1	2.48	0.42
2:8u:108:VAL:O	2:8u:108:VAL:HG13	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8v:63:TRP:CD1	2:8v:112:ILE:HD11	2.54	0.42
2:1r:223:ARG:NH1	2:3r:227:GLY:HA3	2.35	0.42
2:1s:91:PRO:O	2:1s:92:SER:HB3	2.19	0.42
2:1t:215:THR:H	2:1t:218:ASN:ND2	2.18	0.42
2:2o:246:LYS:HD3	2:1x:239:THR:C	2.44	0.42
2:2p:201:VAL:HG22	2:3r:210:LEU:HB3	2.02	0.42
2:2r:242:LEU:O	2:3x:234:LEU:HD22	2.15	0.42
2:3r:91:PRO:O	2:3r:92:SER:HB3	2.19	0.42
2:3r:108:VAL:HG13	2:3r:108:VAL:O	2.19	0.42
2:4k:91:PRO:O	2:4k:92:SER:CB	2.67	0.42
2:6q:193:LYS:HD3	2:9K:200:LEU:O	2.20	0.42
2:6q:215:THR:H	2:6q:218:ASN:ND2	2.18	0.42
2:6q:253:ALA:HB1	2:9K:267:ASN:HB3	2.01	0.42
2:6s:242:LEU:HD23	2:7o:244:GLY:C	2.44	0.42
2:6t:108:VAL:O	2:6t:108:VAL:HG13	2.19	0.42
2:6t:170:LEU:HD13	2:7r:174:LEU:HD23	2.02	0.42
2:7p:215:THR:H	2:7p:218:ASN:ND2	2.18	0.42
2:7r:254:SER:OG	2:9L:263:VAL:CG1	2.53	0.42
2:7s:57:MET:CE	2:8x:111:VAL:CG1	2.98	0.42
2:8w:179:ASN:ND2	2:8w:192:ASN:HD22	2.11	0.42
2:8w:225:MET:CE	2:9I:212:GLY:HA2	2.49	0.42
2:8x:163:THR:H	2:8x:166:ASN:ND2	2.09	0.42
2:8y:108:VAL:O	2:8y:108:VAL:HG13	2.19	0.42
2:8y:210:LEU:HD23	2:9J:206:VAL:HG13	1.71	0.42
2:8y:270:ILE:HD13	2:9M:253:ALA:N	2.34	0.42
2:1v:223:ARG:HA	2:3v:226:ILE:HD12	2.02	0.42
2:1v:244:GLY:CA	2:3v:242:LEU:CB	2.69	0.42
2:2v:175:PHE:HZ	2:3u:175:PHE:HZ	1.67	0.42
2:2w:158[A]:ILE:HA	2:4n:154:ALA:HB1	2.01	0.42
2:3v:91:PRO:O	2:3v:92:SER:HB3	2.19	0.42
2:4n:215:THR:H	2:4n:218:ASN:ND2	2.18	0.42
2:6u:119:SER:HB3	2:9Q:126:LYS:HE2	2.01	0.42
2:6u:253:ALA:HB1	2:9Q:267:ASN:HB3	2.01	0.42
2:6w:200:LEU:HD23	2:7t:196:LEU:CB	2.47	0.42
2:7w:262:ALA:O	2:9R:266:LEU:HD22	2.20	0.42
2:7x:125:ILE:HA	2:9N:120:ILE:O	2.20	0.42
1:1E:27:SER:OG	1:1E:29:GLY:O	2.37	0.42
1:3B:291:GLU:O	1:3B:292:ALA:HB3	2.20	0.42
1:4F:425:LYS:O	1:4F:427:LYS:N	2.53	0.42
1:5B:19:ASP:O	1:5B:20:ILE:C	2.61	0.42
1:5C:36:VAL:N	1:5C:37:PRO:HD2	2.35	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7C:314:ASN:OD1	1:7C:314:ASN:C	2.62	0.42
1:7D:355:SER:CB	1:7D:356:PRO:CD	2.98	0.42
1:7E:393:GLY:HA3	2:7c:15:ALA:HB3	2.02	0.42
1:8A:217:MET:HB3	1:8A:217:MET:HE3	1.69	0.42
1:8A:446:ALA:HB3	2:8e:55:VAL:CG2	2.45	0.42
1:9A:444:GLY:HA3	2:9F:45:LYS:HE3	2.02	0.42
1:1I:343:SER:OG	1:1I:344:GLY:N	2.52	0.42
1:1J:447:GLN:HB2	2:1l:44:VAL:CG1	2.50	0.42
1:3H:291:GLU:O	1:3H:292:ALA:HB3	2.20	0.42
1:3J:228:GLN:OE1	1:3J:228:GLN:N	2.32	0.42
1:3L:448:ALA:O	2:3i:63:TRP:NE1	2.51	0.42
1:4G:358:ILE:O	1:4G:358:ILE:HG23	2.20	0.42
1:4K:203:PRO:HA	1:4K:212:GLU:HG3	2.01	0.42
1:4K:274:ASP:OD1	1:4K:274:ASP:C	2.63	0.42
1:4L:425:LYS:O	1:4L:427:LYS:N	2.53	0.42
1:5K:124:MET:HA	1:5K:125:PRO:HD3	1.93	0.42
1:6H:156:TRP:O	1:6H:157:GLY:C	2.62	0.42
1:7G:36:VAL:N	1:7G:37:PRO:HD2	2.35	0.42
1:7J:297:LYS:O	1:7J:297:LYS:CG	2.62	0.42
1:8G:444:GLY:C	2:8k:56:ASN:CG	2.87	0.42
1:8H:447:GLN:N	2:8l:44:VAL:HG23	2.35	0.42
1:8J:202:GLU:HG3	1:8J:343:SER:HB2	2.02	0.42
1:1M:363:GLN:HG2	1:1M:406:GLY:HA2	2.02	0.42
1:2O:314:ASN:OD1	1:2O:314:ASN:C	2.62	0.42
1:3O:203:PRO:HD3	1:3O:209:ALA:O	2.20	0.42
1:3P:341:PHE:CD1	1:3P:341:PHE:N	2.87	0.42
1:5M:36:VAL:N	1:5M:37:PRO:HD2	2.35	0.42
1:5Q:288:THR:O	1:5Q:288:THR:CG2	2.64	0.42
1:5Q:345:ASP:O	1:5Q:346:VAL:HB	2.20	0.42
1:6P:419:ASP:OD1	1:6P:419:ASP:O	2.38	0.42
1:6Q:242:SER:OG	1:6Q:243:TYR:N	2.53	0.42
1:7O:445:GLY:HA2	2:7m:45:LYS:HD2	2.01	0.42
1:8M:316:ARG:HD3	1:8T:323:TYR:CE2	2.55	0.42
1:8O:81:ASN:OD1	1:8O:81:ASN:C	2.63	0.42
1:8P:93:LEU:HD12	1:8P:93:LEU:O	2.19	0.42
1:8R:202:GLU:O	1:8R:209:ALA:HB2	2.15	0.42
1:1S:312:VAL:O	1:1S:312:VAL:CG1	2.63	0.42
1:2Q:355:SER:N	1:2Q:370:THR:O	2.45	0.42
1:2R:419:ASP:OD1	1:2R:419:ASP:C	2.62	0.42
1:3S:36:VAL:N	1:3S:37:PRO:HD2	2.34	0.42
1:3U:36:VAL:N	1:3U:37:PRO:HD2	2.35	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3U:448:ALA:HB2	2:3t:41:TYR:HA	2.02	0.42
1:4U:226:LEU:HA	1:4U:227:PRO:HD3	1.88	0.42
1:4X:444:GLY:HA2	2:4l:45:LYS:HD3	2.02	0.42
1:5U:243:TYR:CD2	1:5U:243:TYR:N	2.87	0.42
1:5U:291:GLU:O	1:5U:292:ALA:HB3	2.20	0.42
1:5W:446:ALA:CA	2:5k:42:VAL:O	2.67	0.42
1:7T:228:GLN:O	1:7T:228:GLN:HG2	2.19	0.42
1:8T:228:GLN:H	1:8T:228:GLN:CD	2.12	0.42
1:8W:28:GLN:OE1	1:8W:28:GLN:N	2.52	0.42
1:2V:81:ASN:OD1	1:2V:84:LYS:N	2.53	0.42
1:3a:18:TYR:CD1	1:3a:18:TYR:C	2.98	0.42
1:3a:447:GLN:CG	2:3x:44:VAL:CG2	2.82	0.42
1:3d:306:LEU:HB3	1:3d:327:TRP:HB2	2.02	0.42
1:4d:410:ASN:OD1	1:4d:410:ASN:N	2.53	0.42
1:5Y:36:VAL:N	1:5Y:37:PRO:HD2	2.35	0.42
1:5d:392:THR:CG2	2:5n:107:LEU:CG	2.98	0.42
1:8c:28:GLN:N	1:8c:28:GLN:OE1	2.52	0.42
1:8c:445:GLY:CA	2:9P:44:VAL:HG23	2.48	0.42
1:8d:445:GLY:H	2:9O:44:VAL:HB	1.85	0.42
2:1g:258:ASP:HA	2:2x:259:VAL:HG21	2.01	0.42
2:1g:266:LEU:CG	2:3g:265:ASP:C	2.88	0.42
2:1h:242:LEU:HB3	2:2t:244:GLY:HA3	2.02	0.42
2:2b:219:LYS:CB	2:3e:226:ILE:HA	2.50	0.42
2:2b:239:THR:CA	2:4e:247:LYS:HB3	2.50	0.42
2:2d:190:ASP:OD1	2:3k:202:SER:HB3	2.20	0.42
2:2d:231:PRO:HD3	2:3k:229:GLY:CA	2.50	0.42
2:2d:259:VAL:HG21	2:1k:258:ASP:HA	2.01	0.42
2:3g:199:LEU:O	2:2x:193:LYS:HG2	2.20	0.42
2:3h:210:LEU:CD1	2:2w:201:VAL:CG2	2.79	0.42
2:5e:97:TYR:OH	2:5e:111:VAL:HB	2.15	0.42
2:5f:247:LYS:HB2	2:6v:238:THR:HA	2.02	0.42
2:6e:246:LYS:HG2	2:8i:242:LEU:HA	2.02	0.42
2:6e:259:VAL:N	2:8i:259:VAL:HG22	2.35	0.42
2:6g:59:PRO:HG2	2:7Z:59:PRO:O	2.20	0.42
2:6g:280:SER:OG	2:7Z:248:GLY:O	2.37	0.42
2:6h:215:THR:H	2:6h:218:ASN:ND2	2.17	0.42
2:7a:57:MET:CE	2:6v:111:VAL:CG1	2.98	0.42
2:7a:228:ALA:HB1	2:6v:228:ALA:HB1	2.01	0.42
2:7b:97:TYR:CE1	2:6u:28:ILE:HD13	2.54	0.42
2:7c:111:VAL:HG11	2:8j:57:MET:HE2	1.93	0.42
2:8e:206:VAL:HG23	2:9F:212:GLY:CA	2.41	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8e:253:ALA:CA	2:9O:270:ILE:HG21	2.50	0.42
2:8g:183:PHE:CE1	2:9G:199:LEU:HD13	2.42	0.42
2:9F:199:LEU:HB2	2:9O:183:PHE:HE1	1.85	0.42
2:1k:150:GLU:HG3	2:3k:145:ARG:HH12	1.85	0.42
2:2e:197:GLN:HG3	2:1p:200:LEU:O	2.20	0.42
2:2f:125:ILE:HA	2:3j:120:ILE:O	2.19	0.42
2:2f:215:THR:H	2:2f:218:ASN:ND2	2.18	0.42
2:2h:57:MET:CE	2:3p:61:ALA:HB1	2.45	0.42
2:2h:229:GLY:O	2:3p:228:ALA:CA	2.68	0.42
2:2i:215:THR:H	2:2i:218:ASN:ND2	2.18	0.42
2:2i:266:LEU:HA	2:3o:266:LEU:CD1	2.49	0.42
2:2i:279:ILE:HG22	2:1o:248:GLY:HA3	2.01	0.42
2:3j:108:VAL:O	2:3j:108:VAL:HG13	2.19	0.42
2:4h:215:THR:H	2:4h:218:ASN:ND2	2.18	0.42
2:5g:234:LEU:HD11	2:6k:234:LEU:CD2	2.50	0.42
2:5h:215:THR:H	2:5h:218:ASN:ND2	2.18	0.42
2:6j:244:GLY:C	2:7k:242:LEU:CD2	2.89	0.42
2:6l:170:LEU:HD13	2:7h:174:LEU:HD23	2.02	0.42
2:6l:245:VAL:HG22	2:7h:245:VAL:HG13	2.02	0.42
2:7h:97:TYR:OH	2:8p:41:TYR:OH	1.99	0.42
2:8k:278:ILE:HG23	2:9G:278:ILE:HG23	1.89	0.42
2:1p:215:THR:H	2:1p:218:ASN:ND2	2.18	0.42
2:2j:244:GLY:HA3	2:1t:242:LEU:HB3	2.02	0.42
2:3m:179:ASN:ND2	2:3m:192:ASN:HD22	2.11	0.42
2:5j:239:THR:CG2	2:7k:247:LYS:HB3	2.49	0.42
2:6p:170:LEU:HD13	2:7m:174:LEU:HD23	2.02	0.42
2:7m:232:TYR:CD2	2:8v:232:TYR:CE2	3.08	0.42
2:8s:119:SER:HB3	2:9I:126:LYS:CG	2.49	0.42
2:8s:183:PHE:HE1	2:9I:199:LEU:HB2	1.85	0.42
2:8s:244:GLY:H	2:9I:242:LEU:HB3	1.83	0.42
2:8t:242:LEU:HD23	2:7s:245:VAL:O	2.18	0.42
2:1q:223:ARG:CA	2:2o:226:ILE:HD12	2.42	0.42
2:1r:242:LEU:HA	2:2p:245:VAL:O	2.20	0.42
2:1r:242:LEU:CB	2:2p:234:LEU:HD23	2.49	0.42
2:1r:247:LYS:CD	2:3r:239:THR:CG2	2.69	0.42
2:1s:91:PRO:O	2:1s:92:SER:CB	2.67	0.42
2:1s:150:GLU:HG3	2:3s:145:ARG:HH12	1.85	0.42
2:1s:281:LEU:HA	2:3s:250:ALA:HB1	2.01	0.42
2:2q:209:LEU:CD2	2:3q:209:LEU:CD2	2.95	0.42
2:2q:242:LEU:HD23	2:4k:245:VAL:CA	2.50	0.42
2:2r:228:ALA:HA	2:3x:228:ALA:C	2.42	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:127:ASP:CG	2:1w:121[A]:GLU:HB2	2.44	0.42
2:2s:279:ILE:CD1	2:1w:251:VAL:HG13	2.24	0.42
2:5k:108:VAL:O	2:5k:108:VAL:HG13	2.19	0.42
2:5k:199:LEU:HD13	2:6s:186:ALA:HA	2.02	0.42
2:6r:239:THR:CA	2:5n:247:LYS:CA	2.93	0.42
2:6s:59:PRO:HG2	2:7o:59:PRO:O	2.20	0.42
2:8y:209:LEU:HA	2:9J:225:MET:SD	2.60	0.42
2:8z:239:THR:HG22	2:7x:247:LYS:HG2	2.01	0.42
2:2t:215:THR:H	2:2t:218:ASN:ND2	2.17	0.42
2:2u:215:THR:H	2:2u:218:ASN:ND2	2.18	0.42
2:2v:197:GLN:NE2	2:3u:200:LEU:O	2.51	0.42
2:2v:238:THR:O	2:4m:246:LYS:HA	2.20	0.42
2:4n:63:TRP:CD1	2:4n:112:ILE:HD11	2.54	0.42
2:5m:199:LEU:HD13	2:6w:186:ALA:HA	2.02	0.42
2:6u:111:VAL:HG21	2:9Q:41:TYR:OH	2.19	0.42
2:6w:238:THR:O	2:7t:247:LYS:N	2.53	0.42
2:6x:28:ILE:HA	2:9R:73:VAL:HG11	2.02	0.42
2:6x:259:VAL:HG22	2:7w:259:VAL:CG2	2.45	0.42
2:7w:232:TYR:CD2	2:9R:232:TYR:CE2	3.08	0.42
2:7x:53:THR:OG1	2:7x:54:GLN:N	2.51	0.42
2:9M:199:LEU:C	2:9J:193:LYS:HG2	2.45	0.42
1:1A:363:GLN:HG2	1:1A:406:GLY:HA2	2.02	0.41
1:1B:355:SER:CB	1:1B:356:PRO:HD3	2.50	0.41
1:1E:310:GLU:OE1	1:1E:310:GLU:HA	2.20	0.41
1:2C:236:MET:O	1:2C:237:ALA:HB3	2.20	0.41
1:2E:314:ASN:C	1:2E:314:ASN:OD1	2.62	0.41
1:3A:200:ILE:HG12	1:3A:342:VAL:C	2.45	0.41
1:3A:419:ASP:OD1	1:3A:419:ASP:C	2.60	0.41
1:4C:19:ASP:C	1:4C:19:ASP:OD1	2.61	0.41
1:5A:203:PRO:O	1:5A:204:THR:C	2.63	0.41
1:5B:151:THR:HG23	1:6c:95:ARG:HB2	2.02	0.41
1:6B:97:ILE:HB	1:6B:132:HIS:HB2	2.02	0.41
1:6C:355:SER:CB	1:6C:356:PRO:CD	2.98	0.41
1:6E:448:ALA:O	2:6f:59:PRO:CA	2.68	0.41
1:7A:355:SER:CB	1:7A:356:PRO:HD3	2.50	0.41
1:7A:447:GLN:HA	2:7d:56:ASN:O	2.20	0.41
1:7C:202:GLU:CA	1:7C:343:SER:HB2	2.48	0.41
1:7D:447:GLN:CG	2:7Z:44:VAL:HG11	2.38	0.41
1:8A:355:SER:CB	1:8A:356:PRO:CD	2.97	0.41
1:1J:314:ASN:O	1:1J:317:GLY:N	2.51	0.41
1:1K:6:ASN:OD1	1:1K:6:ASN:C	2.61	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2J:95:ARG:O	1:2J:96:THR:HB	2.20	0.41
1:2J:438:ARG:O	1:2J:439:PRO:C	2.62	0.41
1:3G:200:ILE:HG12	1:3G:342:VAL:C	2.45	0.41
1:3J:419:ASP:OD1	1:3J:419:ASP:C	2.63	0.41
1:4K:226:LEU:HA	1:4K:227:PRO:HD3	1.88	0.41
1:5G:69:ILE:HA	1:5L:96:THR:HB	2.02	0.41
1:5H:190:TYR:CD2	1:5H:190:TYR:C	2.97	0.41
1:5K:17:SER:OG	1:5K:18:TYR:N	2.53	0.41
1:6H:423:GLU:OE2	1:6H:423:GLU:N	2.30	0.41
1:6L:286:ALA:O	1:6L:287:SER:HB3	2.20	0.41
1:7I:19:ASP:OD1	1:7I:19:ASP:C	2.59	0.41
1:8G:316:ARG:HD3	1:8N:323:TYR:CE2	2.55	0.41
1:8I:397:THR:OG1	1:8I:398:GLY:N	2.53	0.41
1:8J:412:LEU:HB2	1:8J:435:VAL:HB	2.02	0.41
1:8K:19:ASP:OD1	1:8K:19:ASP:C	2.61	0.41
1:1Q:310:GLU:HA	1:1Q:310:GLU:OE1	2.20	0.41
1:1R:291:GLU:O	1:1R:292:ALA:HB3	2.20	0.41
1:3N:396:ILE:O	1:3N:396:ILE:CG2	2.66	0.41
1:3P:145:GLN:O	1:3P:147:ASP:N	2.53	0.41
1:3R:111:ASP:OD1	1:3R:111:ASP:C	2.57	0.41
1:3R:448:ALA:O	2:3m:63:TRP:HZ2	2.03	0.41
1:4Q:103:ASP:C	1:4Q:103:ASP:OD1	2.60	0.41
1:4R:447:GLN:HG3	2:4j:44:VAL:CG1	2.50	0.41
1:5R:439:PRO:O	1:5R:440:ASN:HB3	2.20	0.41
1:6R:445:GLY:O	2:6m:45:LYS:N	2.52	0.41
1:7L:202:GLU:HA	1:7L:203:PRO:HD3	1.81	0.41
1:7O:245:GLU:OE1	1:7O:245:GLU:N	2.35	0.41
1:8M:423:GLU:OE1	1:8M:423:GLU:N	2.38	0.41
1:8O:111:ASP:OD1	1:8O:111:ASP:C	2.63	0.41
1:8R:203:PRO:HG2	1:8R:291:GLU:HG3	2.01	0.41
1:8R:445:GLY:HA2	2:8s:45:LYS:CA	2.49	0.41
1:1U:81:ASN:OD1	1:1U:81:ASN:C	2.62	0.41
1:1W:6:ASN:OD1	1:1W:6:ASN:C	2.61	0.41
1:1X:190:TYR:CD2	1:1X:190:TYR:C	2.98	0.41
1:2P:268:PHE:N	1:2P:268:PHE:CD1	2.82	0.41
1:3S:374:ARG:HD3	1:3S:374:ARG:HA	1.80	0.41
1:3U:95:ARG:O	1:3U:96:THR:HB	2.20	0.41
1:3U:217:MET:HE3	1:3U:217:MET:HB3	1.93	0.41
1:4U:315:PRO:HG2	1:5Z:312:VAL:HG22	2.02	0.41
1:4X:425:LYS:O	1:4X:427:LYS:N	2.53	0.41
1:6W:95:ARG:HB2	1:5Z:151:THR:HG23	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:6W:412:LEU:HB2	1:6W:435:VAL:HB	2.01	0.41
1:7T:355:SER:HB3	1:7T:356:PRO:CD	2.50	0.41
1:8X:399:ASP:OD1	1:8X:399:ASP:C	2.63	0.41
1:9D:135:ASN:OD1	1:9D:135:ASN:N	2.52	0.41
1:2W:236:MET:O	1:2W:237:ALA:HB3	2.20	0.41
1:3a:36:VAL:N	1:3a:37:PRO:HD2	2.35	0.41
1:3a:399:ASP:OD1	1:3a:399:ASP:C	2.63	0.41
1:4Y:190:TYR:CD2	1:4Y:190:TYR:C	2.96	0.41
1:4a:135:ASN:N	1:4a:135:ASN:OD1	2.51	0.41
1:4a:223:LYS:HB3	1:4a:233:TRP:CH2	2.55	0.41
1:4a:355:SER:CB	1:4a:356:PRO:CD	2.98	0.41
1:4c:19:ASP:OD1	1:4c:19:ASP:C	2.61	0.41
1:4d:446:ALA:HA	2:4n:56:ASN:H	1.85	0.41
1:5Y:69:ILE:HA	1:5d:96:THR:HB	2.02	0.41
1:5a:228:GLN:H	1:5a:228:GLN:CD	2.21	0.41
1:5a:355:SER:CB	1:5a:356:PRO:CD	2.98	0.41
1:5c:201:ASP:HB2	1:5c:343:SER:HB2	2.02	0.41
1:5c:345:ASP:O	1:5c:346:VAL:HB	2.20	0.41
1:5c:392:THR:HB	2:5m:107:LEU:HG	2.01	0.41
1:7V:36:VAL:N	1:7V:37:PRO:HD2	2.35	0.41
1:8Z:425:LYS:N	1:8Z:426:PRO:CD	2.83	0.41
2:1h:226:ILE:HG21	2:2t:222:LEU:CD1	2.38	0.41
2:2b:242:LEU:HD23	2:4e:245:VAL:CA	2.50	0.41
2:2d:269:LEU:CD1	2:3k:270:ILE:HG12	2.50	0.41
2:2d:273:LEU:HD23	2:3k:279:ILE:HG22	1.96	0.41
2:3e:215:THR:H	2:3e:218:ASN:ND2	2.18	0.41
2:3e:247:LYS:O	2:4e:239:THR:HA	2.20	0.41
2:3g:199:LEU:CD1	2:2x:186:ALA:HA	2.49	0.41
2:3g:270:ILE:HG12	2:2x:269:LEU:CD1	2.50	0.41
2:3h:41:TYR:CD2	2:3h:57:MET:HE1	2.48	0.41
2:3h:73:VAL:HG11	2:2w:27:ILE:CA	2.48	0.41
2:3h:210:LEU:C	2:2w:203:ASN:CB	2.92	0.41
2:4f:215:THR:H	2:4f:218:ASN:ND2	2.18	0.41
2:5e:108:VAL:O	2:5e:108:VAL:HG13	2.19	0.41
2:6e:66:ILE:O	2:6e:66:ILE:HG23	2.20	0.41
2:6f:238:THR:HA	2:5h:247:LYS:HB2	2.02	0.41
2:6g:114:ARG:CB	2:7Z:114:ARG:HD2	2.41	0.41
2:7b:99:VAL:HG12	2:6u:28:ILE:CD1	2.50	0.41
2:7c:135:LEU:O	2:8j:132:GLY:CA	2.68	0.41
2:7c:262:ALA:O	2:8j:266:LEU:HD22	2.20	0.41
2:8f:215:THR:H	2:8f:218:ASN:ND2	2.17	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8g:41:TYR:CD2	2:8g:57:MET:HE1	2.48	0.41
2:8g:91:PRO:O	2:8g:92:SER:HB3	2.19	0.41
2:8g:119:SER:HB3	2:9G:126:LYS:CG	2.49	0.41
2:1i:111:VAL:HG22	2:2e:57:MET:SD	2.60	0.41
2:1j:215:THR:H	2:1j:218:ASN:ND2	2.18	0.41
2:2e:19:LEU:N	2:2e:41:TYR:O	2.46	0.41
2:2f:279:ILE:CG2	2:3j:273:LEU:HD21	2.50	0.41
2:3k:215:THR:H	2:3k:218:ASN:ND2	2.18	0.41
2:6i:247:LYS:HG3	2:8o:278:ILE:HA	2.01	0.41
2:6i:251:VAL:HG22	2:8o:270:ILE:HG23	2.01	0.41
2:6k:242:LEU:HD23	2:7e:244:GLY:C	2.44	0.41
2:6l:277:GLY:C	2:8p:247:LYS:HE3	2.45	0.41
2:8k:215:THR:H	2:8k:218:ASN:ND2	2.18	0.41
2:8m:108:VAL:O	2:8m:108:VAL:HG13	2.19	0.41
2:8m:232:TYR:CE2	2:9H:232:TYR:CZ	3.08	0.41
2:8p:215:THR:H	2:8p:218:ASN:ND2	2.18	0.41
2:9G:215:THR:H	2:9G:218:ASN:ND2	2.18	0.41
2:1n:66:ILE:O	2:1n:66:ILE:HG23	2.20	0.41
2:1n:206:VAL:HG11	2:2k:210:LEU:HA	2.01	0.41
2:1o:278:ILE:HG22	2:3o:273:LEU:HD23	2.01	0.41
2:2j:167:LYS:CD	2:1t:176:SER:HB3	2.50	0.41
2:2j:236:ALA:CA	2:1t:242:LEU:HD13	2.44	0.41
2:2k:215:THR:H	2:2k:218:ASN:ND2	2.18	0.41
2:2l:206:VAL:HG11	2:4i:210:LEU:HA	2.02	0.41
2:2l:238:THR:C	2:4i:247:LYS:N	2.65	0.41
2:2n:215:THR:H	2:2n:218:ASN:ND2	2.18	0.41
2:2n:231:PRO:HD3	2:3s:229:GLY:CA	2.50	0.41
2:3n:108:VAL:O	2:3n:108:VAL:HG13	2.19	0.41
2:3p:38:ILE:CD1	2:3p:114:ARG:HH22	2.29	0.41
2:3p:179:ASN:ND2	2:3p:192:ASN:HD22	2.11	0.41
2:6m:183:PHE:CZ	2:8u:183:PHE:CE2	3.08	0.41
2:6o:203:ASN:ND2	2:7j:212:GLY:HA2	2.34	0.41
2:7l:179:ASN:ND2	2:7l:192:ASN:HD22	2.11	0.41
2:7m:262:ALA:O	2:8v:266:LEU:HD22	2.20	0.41
2:8s:148[A]:ILE:HG23	2:8w:145:ARG:HG2	1.98	0.41
2:2o:236:ALA:HA	2:1x:242:LEU:CD1	2.44	0.41
2:2p:215:THR:H	2:2p:218:ASN:ND2	2.17	0.41
2:2p:229:GLY:CA	2:3r:229:GLY:C	2.73	0.41
2:2q:215:THR:H	2:2q:218:ASN:ND2	2.17	0.41
2:2r:28:ILE:HD12	2:3x:99:VAL:HG12	1.99	0.41
2:2s:231:PRO:HD3	2:3w:229:GLY:CA	2.50	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3s:215:THR:H	2:3s:218:ASN:ND2	2.18	0.41
2:4k:91:PRO:O	2:4k:92:SER:HB3	2.19	0.41
2:5k:200:LEU:C	2:6s:193:LYS:CD	2.93	0.41
2:5k:234:LEU:HD11	2:6s:234:LEU:CD2	2.50	0.41
2:6q:66:ILE:O	2:6q:66:ILE:HG23	2.20	0.41
2:6q:139:ASN:OD1	2:9K:130:ASP:N	2.37	0.41
2:6q:158[A]:ILE:HA	2:9K:154:ALA:CB	2.49	0.41
2:6q:227:GLY:C	2:7v:223:ARG:HD3	2.45	0.41
2:6q:259:VAL:N	2:9K:259:VAL:HG22	2.35	0.41
2:6s:215:THR:H	2:6s:218:ASN:ND2	2.18	0.41
2:6s:226:ILE:O	2:7o:219:LYS:HB3	2.19	0.41
2:8w:215:THR:H	2:8w:218:ASN:ND2	2.18	0.41
2:1u:57:MET:HE2	2:1u:57:MET:HA	2.00	0.41
2:1u:108:VAL:O	2:1u:108:VAL:HG13	2.20	0.41
2:1w:148[A]:ILE:HD13	2:3w:148[A]:ILE:HD13	2.02	0.41
2:1w:150:GLU:HG3	2:3w:145:ARG:HH12	1.85	0.41
2:1x:215:THR:H	2:1x:218:ASN:ND2	2.18	0.41
2:3u:179:ASN:ND2	2:3u:192:ASN:HD22	2.11	0.41
2:4m:91:PRO:O	2:4m:92:SER:HB3	2.19	0.41
2:5m:176:SER:HB3	2:6w:164:ASN:OD1	2.19	0.41
2:5n:215:THR:H	2:5n:218:ASN:ND2	2.18	0.41
2:6u:66:ILE:O	2:6u:66:ILE:HG23	2.20	0.41
2:6u:247:LYS:HG3	2:9Q:278:ILE:HA	2.01	0.41
2:6x:97:TYR:OH	2:6x:111:VAL:HB	2.15	0.41
2:7x:59:PRO:HG3	2:9N:59:PRO:HG2	2.01	0.41
1:2B:58:GLN:OE1	1:2B:58:GLN:N	2.35	0.41
1:2B:81:ASN:OD1	1:2B:84:LYS:N	2.53	0.41
1:2E:95:ARG:O	1:2E:96:THR:HB	2.20	0.41
1:3F:19:ASP:OD1	1:3F:19:ASP:C	2.60	0.41
1:3F:448:ALA:HA	2:3e:41:TYR:CD1	2.55	0.41
1:4B:205:SER:O	1:4B:206:SER:CB	2.68	0.41
1:4C:223:LYS:HB3	1:4C:233:TRP:CH2	2.55	0.41
1:4D:93:LEU:C	1:4D:93:LEU:CD1	2.93	0.41
1:4E:251:ILE:O	1:4E:251:ILE:HG23	2.18	0.41
1:4E:392:THR:HG21	2:4e:16:TYR:CD1	2.55	0.41
1:5B:190:TYR:CD2	1:5B:190:TYR:C	2.97	0.41
1:5E:345:ASP:O	1:5E:346:VAL:HB	2.20	0.41
1:6F:154:VAL:O	1:6F:155:SER:HB3	2.20	0.41
1:7E:448:ALA:HB2	2:7c:60:LEU:HD11	1.82	0.41
1:1H:28:GLN:HG3	1:1H:29:GLY:H	1.86	0.41
1:1H:124:MET:HA	1:1H:125:PRO:HD3	1.83	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1H:355:SER:CB	1:1H:356:PRO:HD3	2.50	0.41
1:1J:6:ASN:OD1	1:1J:6:ASN:C	2.63	0.41
1:1J:21:VAL:HG12	1:1J:22:ASN:H	1.85	0.41
1:1L:190:TYR:CD2	1:1L:190:TYR:C	2.98	0.41
1:2G:37:PRO:O	1:2G:38:LEU:HB2	2.20	0.41
1:3G:355:SER:CB	1:3G:356:PRO:HD3	2.50	0.41
1:3L:252:ASP:O	1:3L:253:ALA:HB3	2.20	0.41
1:4J:93:LEU:C	1:4J:93:LEU:CD1	2.93	0.41
1:6J:145:GLN:HG2	1:6J:319:TYR:HB3	2.02	0.41
1:6L:154:VAL:O	1:6L:155:SER:HB3	2.20	0.41
1:7H:448:ALA:N	2:7f:41:TYR:CE1	2.87	0.41
1:8K:355:SER:CB	1:8K:356:PRO:CD	2.98	0.41
1:8L:203:PRO:HG2	1:8L:291:GLU:HG3	2.01	0.41
1:1P:6:ASN:C	1:1P:6:ASN:OD1	2.63	0.41
1:1Q:407:ASN:OD1	1:1Q:407:ASN:C	2.62	0.41
1:2O:202:GLU:HA	1:2O:203:PRO:HD3	1.90	0.41
1:3N:226:LEU:HA	1:3N:227:PRO:HD3	1.87	0.41
1:3Q:136:ARG:NH2	1:3Q:140:TYR:OH	2.53	0.41
1:3Q:208:GLY:O	1:3Q:212:GLU:HG3	2.19	0.41
1:5N:226:LEU:HA	1:5N:227:PRO:HD3	1.85	0.41
1:5O:355:SER:CB	1:5O:356:PRO:CD	2.98	0.41
1:5Q:201:ASP:HB3	1:5Q:343:SER:HA	1.95	0.41
1:6P:145:GLN:HG2	1:6P:319:TYR:HB3	2.02	0.41
1:6P:252:ASP:OD1	1:6P:252:ASP:C	2.62	0.41
1:8O:423:GLU:H	1:8O:423:GLU:CD	2.26	0.41
1:2P:275:PHE:O	1:2P:276:LEU:HB2	2.20	0.41
1:2Q:354:VAL:HG21	1:2Q:432:GLU:C	2.45	0.41
1:3T:205:SER:OG	1:3T:206:SER:N	2.51	0.41
1:3U:18:TYR:CD1	1:3U:18:TYR:C	2.98	0.41
1:4U:135:ASN:N	1:4U:135:ASN:OD1	2.51	0.41
1:4W:212:GLU:HA	1:4W:212:GLU:OE1	2.21	0.41
1:6T:145:GLN:HG2	1:6T:319:TYR:HB3	2.02	0.41
1:6U:355:SER:CB	1:6U:356:PRO:CD	2.98	0.41
1:6V:54:ASN:OD1	1:6V:54:ASN:C	2.60	0.41
1:6X:286:ALA:O	1:6X:287:SER:HB3	2.20	0.41
1:7Q:36:VAL:N	1:7Q:37:PRO:HD2	2.35	0.41
1:7T:297:LYS:O	1:7T:297:LYS:CG	2.62	0.41
1:8S:445:GLY:O	2:8w:44:VAL:CG1	2.69	0.41
1:8V:226:LEU:HA	1:8V:227:PRO:HD3	1.88	0.41
1:8V:438:ARG:HA	1:8V:439:PRO:HD3	1.87	0.41
1:8V:446:ALA:HA	2:9K:43:ALA:HA	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1Y:391:SER:OG	1:1Y:392:THR:N	2.53	0.41
1:1b:226:LEU:HA	1:1b:227:PRO:HD3	1.86	0.41
1:2V:37:PRO:O	1:2V:38:LEU:HB2	2.20	0.41
1:2V:395:ALA:CB	2:2v:107:LEU:HG	2.50	0.41
1:2W:438:ARG:HA	1:2W:439:PRO:HD3	1.92	0.41
1:3b:145:GLN:O	1:3b:147:ASP:N	2.53	0.41
1:4d:425:LYS:O	1:4d:427:LYS:N	2.53	0.41
1:5Y:203:PRO:O	1:5Y:204:THR:C	2.63	0.41
1:5Z:356:PRO:O	1:5Z:357:ASN:HB2	2.19	0.41
1:5a:36:VAL:N	1:5a:37:PRO:HD2	2.35	0.41
1:5c:111:ASP:OD1	1:5c:111:ASP:C	2.63	0.41
1:5d:405:SER:OG	2:5n:16:TYR:OH	2.16	0.41
1:6Z:217:MET:HE2	1:6Z:217:MET:HB3	1.96	0.41
1:6b:331:SER:OG	1:6b:332:VAL:N	2.52	0.41
1:6d:154:VAL:O	1:6d:155:SER:HB3	2.20	0.41
1:6d:286:ALA:O	1:6d:287:SER:HB3	2.20	0.41
1:8Z:205:SER:OG	1:8Z:206:SER:N	2.50	0.41
1:8c:19:ASP:C	1:8c:19:ASP:OD1	2.61	0.41
2:1h:176:SER:HB3	2:2t:167:LYS:CD	2.50	0.41
2:2c:120:ILE:O	2:4f:125:ILE:HA	2.21	0.41
2:2c:201:VAL:HG13	2:3l:210:LEU:HD22	1.87	0.41
2:3h:41:TYR:OH	2:4n:111:VAL:HG21	2.20	0.41
2:3h:228:ALA:CA	2:2w:229:GLY:O	2.68	0.41
2:4e:91:PRO:O	2:4e:92:SER:HB3	2.19	0.41
2:4f:58:TYR:CB	2:3l:2:MET:CE	2.77	0.41
2:4f:226:ILE:CD1	2:3l:226:ILE:HG21	2.49	0.41
2:5f:193:LYS:CD	2:6v:202:SER:HB3	2.50	0.41
2:5f:222:LEU:HD13	2:6v:226:ILE:CG2	2.46	0.41
2:6e:157:LEU:HD21	2:8i:157:LEU:CD2	2.50	0.41
2:6e:158[A]:ILE:HA	2:8i:154:ALA:CB	2.49	0.41
2:6f:91:PRO:O	2:6f:92:SER:HB3	2.19	0.41
2:6f:108:VAL:O	2:6f:108:VAL:HG13	2.19	0.41
2:6h:232:TYR:HD2	2:7c:232:TYR:CE1	2.38	0.41
2:7b:215:THR:H	2:7b:218:ASN:ND2	2.18	0.41
2:7d:222:LEU:HB3	2:9P:226:ILE:CG2	2.50	0.41
2:8e:158[A]:ILE:HD11	2:9F:158[A]:ILE:CD1	2.48	0.41
2:8e:253:ALA:N	2:9O:270:ILE:HD13	2.35	0.41
2:8f:108:VAL:O	2:8f:108:VAL:HG13	2.19	0.41
2:8g:223:ARG:CG	2:9G:226:ILE:HG13	2.47	0.41
2:8h:57:MET:HE2	2:7i:111:VAL:HG13	2.02	0.41
2:8i:91:PRO:O	2:8i:92:SER:HB3	2.19	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:9F:225:MET:SD	2:9O:209:LEU:HA	2.60	0.41
2:1j:66:ILE:O	2:1j:66:ILE:HG23	2.20	0.41
2:1k:278:ILE:HG22	2:3k:273:LEU:HD23	2.01	0.41
2:2e:167:LYS:CD	2:1p:176:SER:HB3	2.50	0.41
2:2f:201:VAL:HG22	2:3j:210:LEU:HB3	2.01	0.41
2:2g:239:THR:CA	2:4g:247:LYS:HB3	2.50	0.41
2:2h:203:ASN:CB	2:3p:210:LEU:C	2.92	0.41
2:3i:215:THR:H	2:3i:218:ASN:ND2	2.18	0.41
2:5g:200:LEU:C	2:6k:193:LYS:CD	2.93	0.41
2:6i:28:ILE:HD13	2:7l:97:TYR:CE1	2.54	0.41
2:6i:138:ILE:O	2:8o:132:GLY:N	2.39	0.41
2:6i:157:LEU:HD21	2:8o:157:LEU:CD2	2.50	0.41
2:6i:252:THR:C	2:8o:270:ILE:HG21	2.46	0.41
2:6k:63:TRP:CD1	2:6k:112:ILE:HD11	2.54	0.41
2:6k:179:ASN:ND2	2:6k:192:ASN:HD22	2.11	0.41
2:7h:232:TYR:CD2	2:8p:232:TYR:CE2	3.08	0.41
2:8n:73:VAL:HB	2:8r:23:GLN:HG3	2.03	0.41
2:1o:148[A]:ILE:HD13	2:3o:148[A]:ILE:HD13	2.02	0.41
2:1o:215:THR:H	2:1o:218:ASN:ND2	2.17	0.41
2:2j:234:LEU:O	2:1t:242:LEU:HD12	2.20	0.41
2:2k:19:LEU:N	2:2k:41:TYR:O	2.46	0.41
2:2k:238:THR:C	2:3n:247:LYS:CB	2.61	0.41
2:5i:263:VAL:HG21	2:6o:256:ALA:C	2.45	0.41
2:6m:157:LEU:HD21	2:8u:157:LEU:CD2	2.50	0.41
2:6n:226:ILE:CG2	2:5l:222:LEU:HB2	2.48	0.41
2:7m:215:THR:H	2:7m:218:ASN:ND2	2.18	0.41
2:7n:215:THR:H	2:7n:218:ASN:ND2	2.18	0.41
2:8r:91:PRO:O	2:8r:92:SER:HB3	2.19	0.41
2:8s:111:VAL:CG2	2:9l:57:MET:CE	2.97	0.41
2:8s:246:LYS:CE	2:9l:240:THR:O	2.45	0.41
2:1q:209:LEU:O	2:2o:206:VAL:HG21	2.19	0.41
2:2o:167:LYS:CD	2:1x:176:SER:HB3	2.50	0.41
2:2o:246:LYS:CD	2:1x:240:THR:CA	2.89	0.41
2:2q:219:LYS:CB	2:3q:226:ILE:HA	2.50	0.41
2:2r:148[B]:ILE:HD13	2:4l:148[B]:ILE:CD1	2.48	0.41
2:2s:186:ALA:HA	2:3w:199:LEU:CD1	2.49	0.41
2:2s:215:THR:H	2:2s:218:ASN:ND2	2.18	0.41
2:3q:200:LEU:CD1	2:4k:200:LEU:HD13	2.49	0.41
2:3q:247:LYS:O	2:4k:239:THR:HA	2.20	0.41
2:5k:259:VAL:CG2	2:6s:258:ASP:CA	2.82	0.41
2:5l:179:ASN:ND2	2:5l:192:ASN:HD22	2.11	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6r:141:PRO:HB2	2:7u:150:GLU:CD	2.45	0.41
2:7p:179:ASN:ND2	2:7p:192:ASN:HD22	2.11	0.41
2:7r:262:ALA:O	2:9L:266:LEU:HD22	2.20	0.41
2:8w:184:LEU:HD21	2:9I:184:LEU:HD22	1.94	0.41
2:8y:183:PHE:HE1	2:9J:199:LEU:HB2	1.85	0.41
2:8y:223:ARG:HD2	2:9J:228:ALA:HA	1.21	0.41
2:8z:41:TYR:OH	2:8z:57:MET:SD	2.76	0.41
2:9K:215:THR:H	2:9K:218:ASN:ND2	2.17	0.41
2:1u:111:VAL:HG22	2:2t:57:MET:SD	2.60	0.41
2:1w:270:ILE:HA	2:3w:269:LEU:HD13	2.02	0.41
2:2u:174:LEU:CD2	2:3v:174:LEU:HD11	2.48	0.41
2:4n:66:ILE:O	2:4n:66:ILE:HG23	2.21	0.41
2:5m:136:LEU:HD21	2:7t:125:ILE:HD13	2.02	0.41
2:5m:147:ILE:O	2:6w:141:PRO:HB3	2.20	0.41
2:5m:263:VAL:HG21	2:6w:256:ALA:C	2.45	0.41
2:5n:126:LYS:C	2:5n:126:LYS:CD	2.85	0.41
2:6v:108:VAL:HG13	2:6v:108:VAL:O	2.19	0.41
2:7v:215:THR:H	2:7v:218:ASN:ND2	2.18	0.41
2:9M:215:THR:H	2:9M:218:ASN:ND2	2.18	0.41
2:9M:225:MET:CE	2:9J:212:GLY:HA2	2.49	0.41
2:9M:227:GLY:HA3	2:9J:219:LYS:HE2	1.56	0.41
2:9M:243:GLY:C	2:9J:234:LEU:CD2	2.68	0.41
2:9N:91:PRO:O	2:9N:92:SER:HB3	2.19	0.41
1:1A:391:SER:OG	1:1A:392:THR:N	2.53	0.41
1:1A:442:ALA:HB3	2:1e:45:LYS:CE	2.49	0.41
1:2A:268:PHE:N	1:2A:268:PHE:CD1	2.82	0.41
1:3F:443:SER:HA	2:3e:56:ASN:ND2	2.35	0.41
1:4E:204:THR:O	1:4E:206:SER:N	2.53	0.41
1:6D:283:ASP:OD1	1:6D:283:ASP:C	2.64	0.41
1:6D:331:SER:OG	1:6D:332:VAL:N	2.52	0.41
1:6E:438:ARG:HA	1:6E:439:PRO:HD3	1.94	0.41
1:7B:36:VAL:N	1:7B:37:PRO:HD2	2.35	0.41
1:7B:447:GLN:HG3	2:7b:44:VAL:HG21	2.01	0.41
1:8A:447:GLN:O	2:8e:41:TYR:HD1	2.02	0.41
1:8B:425:LYS:N	1:8B:426:PRO:CD	2.83	0.41
1:8C:30:ASP:OD1	1:8C:30:ASP:C	2.62	0.41
1:1I:447:GLN:HG3	2:1k:60:LEU:CD1	2.48	0.41
1:2G:357:ASN:HA	1:2G:433:ALA:HB2	2.03	0.41
1:2H:19:ASP:OD1	1:2H:19:ASP:C	2.61	0.41
1:3I:11:SER:OG	1:3I:12:LEU:N	2.53	0.41
1:3I:95:ARG:O	1:3I:96:THR:HB	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3L:275:PHE:O	1:3L:276:LEU:HB2	2.20	0.41
1:4K:36:VAL:N	1:4K:37:PRO:CD	2.83	0.41
1:4L:205:SER:OG	1:4L:206:SER:N	2.47	0.41
1:5K:445:GLY:CA	2:5g:44:VAL:HB	2.50	0.41
1:5L:406:GLY:O	1:5L:407:ASN:CB	2.66	0.41
1:7F:6:ASN:OD1	1:7F:6:ASN:C	2.63	0.41
1:7F:202:GLU:HA	1:7F:203:PRO:HD3	1.89	0.41
1:8K:28:GLN:OE1	1:8K:28:GLN:N	2.52	0.41
1:1M:249:LEU:HD23	1:1M:249:LEU:HA	1.84	0.41
1:2M:270:MET:O	1:2M:271:ASN:CB	2.68	0.41
1:2O:227:PRO:O	1:2O:228:GLN:HB2	2.20	0.41
1:3M:202:GLU:HA	1:3M:203:PRO:HD2	1.70	0.41
1:3O:36:VAL:N	1:3O:37:PRO:HD2	2.35	0.41
1:4O:223:LYS:HB3	1:4O:233:TRP:CH2	2.55	0.41
1:4Q:36:VAL:HB	1:4Q:37:PRO:HD3	2.02	0.41
1:6O:419:ASP:OD1	1:6O:419:ASP:C	2.63	0.41
1:6R:154:VAL:O	1:6R:155:SER:HB3	2.20	0.41
1:7K:226:LEU:HA	1:7K:227:PRO:HD3	1.92	0.41
1:8P:202:GLU:HG3	1:8P:343:SER:HB2	2.02	0.41
1:1S:363:GLN:HG2	1:1S:406:GLY:HA2	2.02	0.41
1:1T:425:LYS:O	1:1T:427:LYS:N	2.53	0.41
1:1U:343:SER:OG	1:1U:344:GLY:N	2.52	0.41
1:1W:310:GLU:OE1	1:1W:310:GLU:HA	2.20	0.41
1:2Q:81:ASN:OD1	1:2Q:84:LYS:N	2.53	0.41
1:3T:71:LEU:HD12	1:3T:71:LEU:C	2.46	0.41
1:3T:291:GLU:O	1:3T:292:ALA:HB3	2.20	0.41
1:3U:96:THR:HA	1:3U:132:HIS:O	2.20	0.41
1:3V:314:ASN:OD1	1:3V:314:ASN:C	2.63	0.41
1:3W:136:ARG:NH2	1:3W:140:TYR:OH	2.53	0.41
1:6V:252:ASP:OD1	1:6V:252:ASP:C	2.62	0.41
1:6V:331:SER:OG	1:6V:332:VAL:N	2.52	0.41
1:7P:446:ALA:HB2	2:7s:19:LEU:CD1	2.49	0.41
1:8S:134:ARG:O	1:8S:135:ASN:CB	2.68	0.41
1:8U:30:ASP:OD1	1:8U:30:ASP:C	2.62	0.41
1:8U:111:ASP:C	1:8U:111:ASP:OD1	2.63	0.41
1:8X:446:ALA:HB1	2:8y:19:LEU:HD12	2.01	0.41
1:1d:291:GLU:O	1:1d:292:ALA:HB3	2.20	0.41
1:2U:275:PHE:O	1:2U:276:LEU:HB2	2.20	0.41
1:2W:270:MET:O	1:2W:271:ASN:CB	2.68	0.41
1:2X:448:ALA:HB2	2:2t:41:TYR:CD1	2.55	0.41
1:3Y:226:LEU:HA	1:3Y:227:PRO:HD3	1.89	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3Y:396:ILE:O	1:3Y:396:ILE:CG2	2.69	0.41
1:3Z:81:ASN:OD1	1:3Z:81:ASN:C	2.61	0.41
1:3Z:223:LYS:HB3	1:3Z:233:TRP:CH2	2.56	0.41
1:3a:96:THR:HA	1:3a:132:HIS:O	2.20	0.41
1:3d:355:SER:CB	1:3d:356:PRO:CD	2.99	0.41
1:6Z:103:ASP:OD1	1:6Z:103:ASP:C	2.57	0.41
1:6a:419:ASP:OD1	1:6a:419:ASP:C	2.63	0.41
1:7U:93:LEU:C	1:7U:93:LEU:CD1	2.87	0.41
1:8Y:217:MET:HE3	1:8Y:217:MET:HB3	1.69	0.41
1:8d:444:GLY:H	2:9O:45:LYS:HZ2	1.67	0.41
2:1g:200:LEU:CA	2:3g:193:LYS:HG2	2.45	0.41
2:1g:269:LEU:CB	2:3g:269:LEU:CD2	2.95	0.41
2:2Z:244:GLY:HA3	2:1l:242:LEU:HB3	2.02	0.41
2:2Z:246:LYS:HB3	2:1l:239:THR:HA	2.01	0.41
2:2a:180:VAL:HG11	2:3f:184:LEU:HD23	2.02	0.41
2:2a:226:ILE:HB	2:3f:222:LEU:C	2.45	0.41
2:2c:229:GLY:O	2:3l:228:ALA:CA	2.68	0.41
2:2d:193:LYS:HG2	2:3k:199:LEU:O	2.20	0.41
2:2d:262:ALA:HB1	2:3k:263:VAL:HG23	1.94	0.41
2:3g:278:ILE:HG21	2:2x:278:ILE:HG21	2.02	0.41
2:3h:196:LEU:HB3	2:2w:200:LEU:HD23	2.01	0.41
2:4f:111:VAL:HG21	2:3l:41:TYR:OH	2.20	0.41
2:5e:174:LEU:O	2:6g:171:GLN:NE2	2.52	0.41
2:6e:193:LYS:HD3	2:8i:200:LEU:O	2.20	0.41
2:6f:141:PRO:HB2	2:7f:150:GLU:CD	2.45	0.41
2:6f:202:SER:HB3	2:5h:193:LYS:CD	2.50	0.41
2:6g:179:ASN:ND2	2:6g:192:ASN:HD22	2.11	0.41
2:7a:150:GLU:CD	2:6v:141:PRO:HB2	2.46	0.41
2:7a:280:SER:OG	2:6v:247:LYS:HG2	2.19	0.41
2:7b:244:GLY:O	2:6u:242:LEU:HD22	2.21	0.41
2:7c:215:THR:H	2:7c:218:ASN:ND2	2.18	0.41
2:7c:269:LEU:CD2	2:8j:269:LEU:CG	2.94	0.41
2:8e:125:ILE:HD13	2:9F:125:ILE:HD11	2.01	0.41
2:8e:206:VAL:HG13	2:9F:210:LEU:HA	2.02	0.41
2:8e:274:LYS:NZ	2:9F:251:VAL:N	2.68	0.41
2:8g:113:SER:O	2:8g:114:ARG:HD2	2.21	0.41
2:8h:239:THR:HG22	2:7i:247:LYS:HG2	2.01	0.41
2:9F:200:LEU:CD2	2:9O:196:LEU:HB3	2.47	0.41
2:1i:91:PRO:O	2:1i:92:SER:CB	2.67	0.41
2:2e:215:THR:H	2:2e:218:ASN:ND2	2.18	0.41
2:2g:175:PHE:HZ	2:3i:175:PHE:HZ	1.67	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2g:206:VAL:HG11	2:4g:210:LEU:HA	2.02	0.41
2:2g:244:GLY:C	2:3i:242:LEU:HD22	2.42	0.41
2:2i:269:LEU:CD1	2:3o:270:ILE:HG12	2.50	0.41
2:2i:278:ILE:HG21	2:3o:278:ILE:HG21	2.02	0.41
2:5g:113:SER:O	2:5g:114:ARG:HD2	2.21	0.41
2:6i:158[A]:ILE:HA	2:8o:154:ALA:CB	2.49	0.41
2:6j:91:PRO:O	2:6j:92:SER:HB3	2.19	0.41
2:6k:238:THR:O	2:7e:247:LYS:N	2.53	0.41
2:6l:28:ILE:HA	2:8p:73:VAL:HG11	2.02	0.41
2:7h:135:LEU:O	2:8p:132:GLY:CA	2.68	0.41
2:7h:272:VAL:HG11	2:8p:279:ILE:HG21	1.98	0.41
2:8k:66:ILE:O	2:8k:66:ILE:HG23	2.20	0.41
2:2j:120:ILE:HG12	2:1t:120:ILE:HD13	2.02	0.41
2:2k:201:VAL:HG22	2:3n:210:LEU:HB3	2.01	0.41
2:2k:279:ILE:CG2	2:3n:273:LEU:HD21	2.50	0.41
2:2l:175:PHE:HZ	2:3m:175:PHE:HZ	1.68	0.41
2:2l:244:GLY:C	2:3m:242:LEU:HD22	2.42	0.41
2:2m:229:GLY:O	2:3t:228:ALA:CA	2.68	0.41
2:2n:193:LYS:HG2	2:3s:199:LEU:O	2.20	0.41
2:2n:269:LEU:CD1	2:3s:270:ILE:HG12	2.50	0.41
2:3o:126:LYS:C	2:3o:126:LYS:CD	2.85	0.41
2:6n:228:ALA:HA	2:5l:223:ARG:CD	2.48	0.41
2:6p:245:VAL:HG22	2:7m:245:VAL:HG13	2.02	0.41
2:6p:259:VAL:CG2	2:7m:259:VAL:CG2	2.97	0.41
2:7m:135:LEU:O	2:8v:132:GLY:CA	2.68	0.41
2:8q:199:LEU:HD11	2:9H:186:ALA:CA	2.33	0.41
2:8r:108:VAL:O	2:8r:108:VAL:HG13	2.19	0.41
2:8v:215:THR:H	2:8v:218:ASN:ND2	2.18	0.41
2:1q:41:TYR:OH	2:1x:111:VAL:HG21	2.20	0.41
2:1q:111:VAL:HG22	2:2o:57:MET:SD	2.60	0.41
2:1r:200:LEU:HD13	2:2p:200:LEU:CD1	2.50	0.41
2:2o:197:GLN:HG3	2:1x:200:LEU:O	2.20	0.41
2:3r:38:ILE:HD11	2:3r:114:ARG:HH22	1.73	0.41
2:3t:113:SER:O	2:3t:114:ARG:HD2	2.21	0.41
2:6q:28:ILE:CD1	2:7v:99:VAL:HG12	2.50	0.41
2:6r:229:GLY:O	2:7u:228:ALA:CA	2.69	0.41
2:6t:97:TYR:OH	2:6t:111:VAL:HB	2.15	0.41
2:8y:113:SER:O	2:8y:114:ARG:HD2	2.21	0.41
2:8y:121[A]:GLU:HA	2:9J:127:ASP:OD1	2.21	0.41
2:8z:226:ILE:CG2	2:7x:222:LEU:HB3	2.50	0.41
2:1u:247:LYS:HE3	2:2t:280:SER:OG	2.15	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:108:VAL:O	2:1w:108:VAL:HG13	2.19	0.41
2:1w:179:ASN:ND2	2:1w:192:ASN:HD22	2.11	0.41
2:1x:66:ILE:O	2:1x:66:ILE:HG23	2.21	0.41
2:3u:73:VAL:HG13	2:4m:28:ILE:HB	2.03	0.41
2:3u:247:LYS:O	2:4m:239:THR:HA	2.20	0.41
2:5m:113:SER:O	2:5m:114:ARG:HD2	2.21	0.41
2:6w:228:ALA:HA	2:7t:223:ARG:CG	2.45	0.41
2:6w:242:LEU:HD23	2:7t:244:GLY:C	2.44	0.41
2:9M:175:PHE:CZ	2:9J:175:PHE:CE2	2.99	0.41
2:9M:198:GLN:C	2:9J:193:LYS:HE3	2.46	0.41
2:9M:234:LEU:HD12	2:9J:234:LEU:HD22	1.74	0.41
2:9M:238:THR:C	2:9J:246:LYS:HD3	2.31	0.41
2:9N:113:SER:O	2:9N:114:ARG:HD2	2.21	0.41
2:9O:113:SER:O	2:9O:114:ARG:HD2	2.21	0.41
2:9J:215:THR:H	2:9J:218:ASN:ND2	2.18	0.41
1:1E:226:LEU:HA	1:1E:227:PRO:HD3	1.88	0.41
1:2A:382:LYS:HZ3	2:2c:101:GLU:CD	2.28	0.41
1:2E:382:LYS:HZ1	2:2d:101:GLU:CD	2.24	0.41
1:3A:355:SER:CB	1:3A:356:PRO:HD3	2.50	0.41
1:3A:396:ILE:O	1:3A:396:ILE:CG2	2.69	0.41
1:3F:81:ASN:OD1	1:3F:81:ASN:C	2.61	0.41
1:3F:252:ASP:O	1:3F:253:ALA:HB3	2.20	0.41
1:4E:103:ASP:OD1	1:4E:103:ASP:C	2.60	0.41
1:5C:291:GLU:O	1:5C:292:ALA:HB3	2.20	0.41
1:8C:372:TYR:CD2	1:8C:372:TYR:N	2.89	0.41
1:8F:399:ASP:OD1	1:8F:399:ASP:C	2.63	0.41
1:1G:391:SER:OG	1:1G:392:THR:N	2.53	0.41
1:1L:227:PRO:O	1:1L:228:GLN:HB3	2.20	0.41
1:1L:419:ASP:OD1	1:1L:419:ASP:C	2.63	0.41
1:2J:227:PRO:O	1:2J:228:GLN:HB2	2.20	0.41
1:3I:18:TYR:CD1	1:3I:18:TYR:C	2.98	0.41
1:3I:399:ASP:OD1	1:3I:399:ASP:C	2.63	0.41
1:3K:202:GLU:O	1:3K:209:ALA:HB3	2.16	0.41
1:3L:355:SER:CB	1:3L:356:PRO:CD	2.99	0.41
1:4I:223:LYS:HB3	1:4I:233:TRP:CH2	2.55	0.41
1:4K:103:ASP:OD1	1:4K:103:ASP:C	2.60	0.41
1:4L:410:ASN:N	1:4L:410:ASN:OD1	2.53	0.41
1:5G:36:VAL:N	1:5G:37:PRO:HD2	2.35	0.41
1:5G:112:ALA:HA	1:5G:115:ALA:HB3	2.03	0.41
1:5G:203:PRO:O	1:5G:204:THR:C	2.63	0.41
1:6J:111:ASP:OD1	1:6J:111:ASP:C	2.61	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7G:445:GLY:HA2	2:7g:45:LYS:HB3	2.03	0.41
1:7J:355:SER:HB3	1:7J:356:PRO:CD	2.50	0.41
1:8K:355:SER:O	1:8K:356:PRO:C	2.63	0.41
1:1N:425:LYS:O	1:1N:427:LYS:N	2.53	0.41
1:1Q:128:LYS:NZ	1:1Q:355:SER:O	2.53	0.41
1:1Q:202:GLU:N	1:1Q:203:PRO:HD3	2.35	0.41
1:2L:354:VAL:HG21	1:2L:432:GLU:C	2.45	0.41
1:2L:395:ALA:HB3	2:2l:107:LEU:HG	2.03	0.41
1:2N:140:TYR:CD1	1:2N:140:TYR:N	2.88	0.41
1:3O:18:TYR:CD1	1:3O:18:TYR:C	2.98	0.41
1:3O:142:GLN:NE2	1:3O:142:GLN:HA	2.35	0.41
1:3O:296:ASP:O	1:3O:297:LYS:CB	2.66	0.41
1:5M:69:ILE:HA	1:5R:96:THR:HB	2.02	0.41
1:5Q:111:ASP:OD1	1:5Q:111:ASP:C	2.63	0.41
1:6O:36:VAL:HB	1:6O:37:PRO:HD3	2.03	0.41
1:7K:355:SER:CB	1:7K:356:PRO:HD3	2.50	0.41
1:7O:445:GLY:HA3	2:7m:53:THR:OG1	2.21	0.41
1:8M:134:ARG:O	1:8M:135:ASN:CB	2.68	0.41
1:8N:314:ASN:OD1	1:8N:314:ASN:C	2.62	0.41
1:8P:412:LEU:HB2	1:8P:435:VAL:HB	2.02	0.41
1:8Q:355:SER:CB	1:8Q:356:PRO:CD	2.98	0.41
1:8Q:406:GLY:C	1:8Q:407:ASN:O	2.63	0.41
1:8R:445:GLY:H	2:8s:44:VAL:HB	1.85	0.41
1:9C:407:ASN:HB3	2:9H:45:LYS:CG	2.50	0.41
1:9C:446:ALA:N	2:9H:54:GLN:O	2.53	0.41
1:1X:58:GLN:O	1:1X:58:GLN:HG2	2.20	0.41
1:2P:145:GLN:HG2	1:2P:319:TYR:HB3	2.03	0.41
1:2S:107:GLU:OE1	1:2T:140:TYR:OH	2.27	0.41
1:5S:69:ILE:HA	1:5X:96:THR:HB	2.02	0.41
1:5V:145:GLN:HG2	1:5V:319:TYR:HB3	2.02	0.41
1:5V:355:SER:CB	1:5V:356:PRO:HD3	2.50	0.41
1:6T:245:GLU:OE1	1:6T:245:GLU:N	2.38	0.41
1:6U:419:ASP:C	1:6U:419:ASP:OD1	2.63	0.41
1:6W:242:SER:OG	1:6W:243:TYR:N	2.53	0.41
1:6W:446:ALA:CA	2:6r:42:VAL:O	2.65	0.41
1:7P:6:ASN:OD1	1:7P:6:ASN:C	2.63	0.41
1:7P:60:ASP:O	1:7P:61:PHE:HB3	2.20	0.41
1:7P:407:ASN:HD22	2:7s:46:ASP:HB2	1.85	0.41
1:8S:316:ARG:HD3	1:8Z:323:TYR:CE2	2.55	0.41
1:8W:245:GLU:H	1:8W:245:GLU:CD	2.17	0.41
1:8W:355:SER:CB	1:8W:356:PRO:CD	2.98	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8W:399:ASP:OD1	1:8W:400:GLY:N	2.54	0.41
1:1a:420:ILE:HB	1:1a:427:LYS:HB2	2.03	0.41
1:2W:393:GLY:H	2:2u:46:ASP:CG	2.28	0.41
1:3Z:205:SER:OG	1:3Z:206:SER:N	2.51	0.41
1:3Z:291:GLU:O	1:3Z:292:ALA:HB3	2.20	0.41
1:3b:423:GLU:OE1	1:3b:423:GLU:N	2.35	0.41
1:4c:204:THR:O	1:4c:206:SER:N	2.53	0.41
1:6Y:447:GLN:HB2	2:6x:56:ASN:HB2	2.01	0.41
1:7W:314:ASN:OD1	1:7W:314:ASN:C	2.62	0.41
1:8a:355:SER:HB2	1:8a:356:PRO:HD3	2.03	0.41
2:1e:61:ALA:CB	2:2Z:57:MET:HE3	2.48	0.41
2:1h:239:THR:HA	2:2t:246:LYS:HB3	2.01	0.41
2:2Z:53:THR:OG1	2:2Z:54:GLN:N	2.51	0.41
2:2c:225:MET:O	2:3l:219:LYS:CG	2.68	0.41
2:3h:113:SER:O	2:3h:114:ARG:HD2	2.21	0.41
2:3h:184:LEU:HD23	2:2w:180:VAL:HG11	1.98	0.41
2:5e:280:SER:H	2:6g:249:ALA:C	2.29	0.41
2:6f:247:LYS:H	2:7f:239:THR:N	2.12	0.41
2:6g:238:THR:O	2:7Z:247:LYS:N	2.53	0.41
2:7c:61:ALA:HB1	2:8j:57:MET:HB3	2.03	0.41
2:7c:145:ARG:CG	2:8j:148[A]:ILE:CG2	2.95	0.41
2:8e:184:LEU:CD2	2:9F:184:LEU:CD2	2.80	0.41
2:8f:23:GLN:HG3	2:9P:73:VAL:HB	2.03	0.41
2:8i:108:VAL:O	2:8i:108:VAL:HG13	2.19	0.41
2:9F:199:LEU:CB	2:9O:183:PHE:CE1	3.04	0.41
2:1i:41:TYR:OH	2:1p:111:VAL:HG21	2.20	0.41
2:1k:201:VAL:CA	2:3k:193:LYS:HD3	2.50	0.41
2:2e:244:GLY:C	2:1p:242:LEU:HD22	2.45	0.41
2:2g:193:LYS:HE3	2:3i:198:GLN:O	2.20	0.41
2:2g:238:THR:C	2:4g:247:LYS:HB3	2.42	0.41
2:3i:246:LYS:HD3	2:4g:240:THR:HA	2.01	0.41
2:3i:247:LYS:N	2:4g:238:THR:C	2.58	0.41
2:3i:269:LEU:CD2	2:4g:270:ILE:HG12	2.20	0.41
2:6i:227:GLY:C	2:7l:223:ARG:HD3	2.45	0.41
2:6l:113:SER:O	2:6l:114:ARG:HD2	2.21	0.41
2:8k:274:LYS:NZ	2:9G:251:VAL:N	2.68	0.41
2:8m:183:PHE:CE1	2:9H:199:LEU:CB	3.04	0.41
2:8m:210:LEU:HD22	2:9H:201:VAL:CG2	2.47	0.41
2:1m:91:PRO:O	2:1m:92:SER:CB	2.67	0.41
2:1m:197:GLN:HG2	2:2j:200:LEU:O	2.21	0.41
2:2l:239:THR:CA	2:4i:247:LYS:HB3	2.49	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2m:225:MET:O	2:3t:219:LYS:CG	2.68	0.41
2:2n:262:ALA:HB1	2:3s:263:VAL:HG23	1.94	0.41
2:3n:179:ASN:ND2	2:3n:192:ASN:HD22	2.11	0.41
2:5i:113:SER:O	2:5i:114:ARG:HD2	2.21	0.41
2:5i:200:LEU:C	2:6o:193:LYS:CD	2.93	0.41
2:5j:242:LEU:HD23	2:7k:245:VAL:C	2.46	0.41
2:6m:41:TYR:OH	2:6m:57:MET:SD	2.76	0.41
2:8q:215:THR:H	2:8q:218:ASN:ND2	2.18	0.41
2:8r:41:TYR:CD2	2:8r:57:MET:HE1	2.48	0.41
2:8r:113:SER:O	2:8r:114:ARG:HD2	2.21	0.41
2:8t:215:THR:H	2:8t:218:ASN:ND2	2.18	0.41
2:2o:193:LYS:HD3	2:1x:201:VAL:C	2.44	0.41
2:2o:219:LYS:HG2	2:1x:226:ILE:CA	2.48	0.41
2:2r:226:ILE:HG13	2:3x:223:ARG:CG	2.50	0.41
2:2r:228:ALA:HA	2:3x:223:ARG:HB3	1.53	0.41
2:2s:120:ILE:HG13	2:3w:125:ILE:HA	2.03	0.41
2:2s:269:LEU:CD1	2:3w:270:ILE:HG12	2.50	0.41
2:3q:73:VAL:HG13	2:4k:28:ILE:HB	2.03	0.41
2:6q:145:ARG:HG2	2:9K:148[A]:ILE:HG23	2.02	0.41
2:6q:157:LEU:HD21	2:9K:157:LEU:CD2	2.50	0.41
2:6q:251:VAL:HG22	2:9K:270:ILE:HG23	2.01	0.41
2:6r:113:SER:O	2:6r:114:ARG:HD2	2.21	0.41
2:6r:202:SER:HB3	2:5n:193:LYS:CD	2.50	0.41
2:6r:228:ALA:HA	2:5n:223:ARG:CD	2.48	0.41
2:6t:232:TYR:HD2	2:7r:232:TYR:CE1	2.38	0.41
2:7r:145:ARG:CG	2:9L:148[A]:ILE:CG2	2.95	0.41
2:8w:148[A]:ILE:CD1	2:9I:148[A]:ILE:CD1	2.88	0.41
2:8x:41:TYR:CD2	2:8x:57:MET:HE1	2.48	0.41
2:8y:91:PRO:O	2:8y:92:SER:HB3	2.19	0.41
2:8y:119:SER:HB3	2:9J:126:LYS:CG	2.49	0.41
2:9K:113:SER:O	2:9K:114:ARG:HD2	2.21	0.41
2:9I:19:LEU:N	2:9I:41:TYR:O	2.46	0.41
2:1v:223:ARG:NH1	2:3v:227:GLY:HA3	2.35	0.41
2:2u:228:ALA:HA	2:3v:223:ARG:HD2	1.36	0.41
2:2u:242:LEU:HA	2:3v:245:VAL:H	1.75	0.41
2:2v:206:VAL:HG11	2:4m:210:LEU:HA	2.02	0.41
2:3v:113:SER:O	2:3v:114:ARG:HD2	2.21	0.41
2:4m:108:VAL:O	2:4m:108:VAL:HG13	2.19	0.41
2:6w:76:ASN:HD21	2:6w:116:LYS:HD3	1.78	0.41
2:7w:250:ALA:CB	2:9R:281:LEU:O	2.68	0.41
2:9O:215:THR:H	2:9O:218:ASN:ND2	2.17	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1F:190:TYR:CD2	1:1F:190:TYR:C	2.98	0.41
1:2B:357:ASN:HA	1:2B:433:ALA:HB2	2.03	0.41
1:2B:419:ASP:OD1	1:2B:419:ASP:C	2.63	0.41
1:2C:438:ARG:HA	1:2C:439:PRO:HD3	1.92	0.41
1:3B:71:LEU:HD12	1:3B:71:LEU:C	2.46	0.41
1:3C:208:GLY:C	1:3C:212:GLU:HG2	2.24	0.41
1:3D:145:GLN:O	1:3D:147:ASP:N	2.53	0.41
1:4D:226:LEU:HA	1:4D:227:PRO:HD3	1.86	0.41
1:4D:267:ALA:O	1:4D:268:PHE:HB3	2.20	0.41
1:5A:112:ALA:HA	1:5A:115:ALA:HB3	2.03	0.41
1:5D:355:SER:CB	1:5D:356:PRO:HD3	2.50	0.41
1:7B:444:GLY:CA	2:7b:45:LYS:NZ	2.84	0.41
1:8D:446:ALA:C	2:8i:44:VAL:CG2	2.91	0.41
1:1G:363:GLN:HG2	1:1G:406:GLY:HA2	2.02	0.41
1:1I:407:ASN:OD1	1:1I:407:ASN:C	2.63	0.41
1:2J:54:ASN:OD1	1:2J:54:ASN:C	2.61	0.41
1:3J:111:ASP:OD1	1:3J:111:ASP:C	2.63	0.41
1:4G:355:SER:CB	1:4G:356:PRO:CD	2.99	0.41
1:4H:36:VAL:HB	1:4H:37:PRO:HD3	2.01	0.41
1:4J:267:ALA:O	1:4J:268:PHE:HB3	2.20	0.41
1:5H:136:ARG:HD3	1:5H:328:GLN:HG2	2.03	0.41
1:5H:437:ILE:O	1:5H:438:ARG:CB	2.67	0.41
1:5I:77:VAL:O	1:5I:77:VAL:HG13	2.18	0.41
1:5J:355:SER:CB	1:5J:356:PRO:HD3	2.50	0.41
1:5L:145:GLN:HG2	1:5L:319:TYR:HB3	2.03	0.41
1:8L:419:ASP:OD1	1:8L:419:ASP:C	2.64	0.41
1:9B:135:ASN:OD1	1:9B:135:ASN:N	2.52	0.41
1:1M:391:SER:OG	1:1M:392:THR:N	2.53	0.41
1:1O:420:ILE:HB	1:1O:427:LYS:HB2	2.03	0.41
1:2L:81:ASN:OD1	1:2L:84:LYS:N	2.53	0.41
1:2O:95:ARG:O	1:2O:96:THR:HB	2.20	0.41
1:3P:228:GLN:OE1	1:3P:228:GLN:N	2.32	0.41
1:4N:30:ASP:OD1	1:4N:30:ASP:C	2.61	0.41
1:5O:36:VAL:N	1:5O:37:PRO:HD2	2.35	0.41
1:6M:447:GLN:O	2:6p:42:VAL:HG12	2.21	0.41
1:6N:156:TRP:O	1:6N:157:GLY:C	2.62	0.41
1:7M:7:ASP:OD1	1:7M:7:ASP:C	2.64	0.41
1:8O:392:THR:HG21	2:8v:107:LEU:HD21	2.02	0.41
1:8R:355:SER:HB3	1:8R:356:PRO:HD3	2.03	0.41
1:2P:362:LYS:HA	1:2P:438:ARG:HB2	2.03	0.41
1:2R:447:GLN:OE1	2:2p:56:ASN:HB2	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2T:202:GLU:OE1	1:2T:202:GLU:O	2.38	0.41
1:3V:145:GLN:O	1:3V:147:ASP:N	2.53	0.41
1:4U:355:SER:CB	1:4U:356:PRO:CD	2.99	0.41
1:5S:203:PRO:O	1:5S:204:THR:C	2.63	0.41
1:7Q:445:GLY:O	2:7q:44:VAL:N	2.50	0.41
1:7S:445:GLY:HA2	2:7o:45:LYS:HD2	2.01	0.41
1:8U:355:SER:HB2	1:8U:356:PRO:HD3	2.03	0.41
1:8W:445:GLY:O	2:8z:44:VAL:CG2	2.64	0.41
1:1Z:425:LYS:O	1:1Z:427:LYS:N	2.53	0.41
1:1a:444:GLY:CA	2:1w:45:LYS:HZ2	2.32	0.41
1:2U:145:GLN:HG2	1:2U:319:TYR:HB3	2.03	0.41
1:2U:447:GLN:O	1:2U:448:ALA:HB3	2.21	0.41
1:2W:448:ALA:O	2:2u:58:TYR:N	2.51	0.41
1:3Y:374:ARG:HD3	1:3Y:374:ARG:HA	1.80	0.41
1:3a:11:SER:OG	1:3a:12:LEU:N	2.53	0.41
1:3a:142:GLN:HA	1:3a:142:GLN:NE2	2.35	0.41
1:3a:306:LEU:HB3	1:3a:327:TRP:HB2	2.01	0.41
1:5c:17:SER:OG	1:5c:18:TYR:N	2.53	0.41
1:5d:448:ALA:HA	2:5n:41:TYR:CE1	2.55	0.41
1:7U:228:GLN:OE1	1:7U:228:GLN:N	2.35	0.41
1:7X:355:SER:CB	1:7X:356:PRO:CD	2.98	0.41
1:8Y:134:ARG:O	1:8Y:135:ASN:CB	2.68	0.41
1:8a:397:THR:OG1	1:8a:398:GLY:N	2.53	0.41
1:8d:419:ASP:OD1	1:8d:419:ASP:C	2.64	0.41
2:1e:113:SER:O	2:1e:114:ARG:HD2	2.21	0.41
2:1e:200:LEU:HD13	2:2Z:200:LEU:CG	2.39	0.41
2:1e:209:LEU:O	2:2Z:206:VAL:HG21	2.19	0.41
2:1g:266:LEU:CD2	2:3g:266:LEU:H	1.75	0.41
2:1h:111:VAL:HG21	2:1u:41:TYR:OH	2.20	0.41
2:1h:150:GLU:CD	2:2t:141:PRO:CB	2.89	0.41
2:1h:215:THR:H	2:1h:218:ASN:ND2	2.18	0.41
2:2Z:197:GLN:HG3	2:1l:200:LEU:O	2.20	0.41
2:2Z:215:THR:H	2:2Z:218:ASN:ND2	2.18	0.41
2:2b:175:PHE:HZ	2:3e:175:PHE:HZ	1.67	0.41
2:2c:148[B]:ILE:HD13	2:4f:148[B]:ILE:CD1	2.48	0.41
2:2c:239:THR:HG22	2:3l:248:GLY:H	1.48	0.41
2:3f:215:THR:H	2:3f:218:ASN:ND2	2.17	0.41
2:3h:99:VAL:HG12	2:2w:28:ILE:HD12	1.99	0.41
2:5e:136:LEU:HD21	2:7Z:125:ILE:HD13	2.02	0.41
2:6e:252:THR:C	2:8i:270:ILE:HG21	2.45	0.41
2:6f:111:VAL:CG1	2:7f:57:MET:CE	2.98	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:226:ILE:O	2:5h:223:ARG:NH1	2.53	0.41
2:6g:226:ILE:C	2:7Z:219:LYS:CB	2.93	0.41
2:7c:148[A]:ILE:HD13	2:8j:148[A]:ILE:HD13	2.03	0.41
2:7c:250:ALA:H	2:8j:280:SER:HB2	1.75	0.41
2:7d:57:MET:CE	2:8f:111:VAL:CG1	2.98	0.41
2:8e:111:VAL:CG1	2:9O:57:MET:SD	3.09	0.41
2:8g:183:PHE:CE1	2:9G:199:LEU:CB	3.04	0.41
2:8g:242:LEU:HD22	2:8k:245:VAL:C	2.46	0.41
2:8g:270:ILE:HG21	2:8k:253:ALA:CA	2.50	0.41
2:8h:226:ILE:CG2	2:7i:222:LEU:HB3	2.50	0.41
2:1l:215:THR:H	2:1l:218:ASN:ND2	2.18	0.41
2:2g:196:LEU:HB3	2:3i:200:LEU:HD22	1.97	0.41
2:2i:26:ASP:OD1	2:1o:72:LYS:NZ	2.46	0.41
2:3i:247:LYS:O	2:4g:239:THR:HA	2.20	0.41
2:5g:263:VAL:HG21	2:6k:256:ALA:C	2.45	0.41
2:6i:28:ILE:CD1	2:7l:99:VAL:HG12	2.50	0.41
2:6j:273:LEU:CD2	2:7k:279:ILE:HG22	2.50	0.41
2:6k:225:MET:HG3	2:7e:214:PRO:CG	2.42	0.41
2:8k:206:VAL:HG13	2:9G:210:LEU:HA	2.02	0.41
2:8k:226:ILE:HB	2:9G:219:LYS:HG2	1.94	0.41
2:8l:108:VAL:HG13	2:8l:108:VAL:O	2.19	0.41
2:1m:113:SER:O	2:1m:114:ARG:HD2	2.21	0.41
2:1n:179:ASN:ND2	2:1n:192:ASN:HD22	2.11	0.41
2:1n:223:ARG:NH1	2:3n:227:GLY:HA3	2.35	0.41
2:1n:242:LEU:HA	2:2k:245:VAL:O	2.20	0.41
2:1o:228:ALA:C	2:3o:231:PRO:CD	2.91	0.41
2:2l:215:THR:H	2:2l:218:ASN:ND2	2.18	0.41
2:2l:238:THR:O	2:4i:246:LYS:HA	2.20	0.41
2:3m:73:VAL:HG13	2:4i:28:ILE:HB	2.03	0.41
2:3n:38:ILE:HD11	2:3n:114:ARG:HH22	1.73	0.41
2:4j:226:ILE:CD1	2:3t:226:ILE:HG21	2.49	0.41
2:5i:136:LEU:HD21	2:7j:125:ILE:HD13	2.02	0.41
2:5i:183:PHE:CD2	2:6o:183:PHE:HE2	2.39	0.41
2:5i:234:LEU:HD11	2:6o:234:LEU:CD2	2.50	0.41
2:5j:215:THR:H	2:5j:218:ASN:ND2	2.18	0.41
2:6m:179:ASN:ND2	2:6m:192:ASN:HD22	2.11	0.41
2:6m:269:LEU:CD1	2:8u:273:LEU:CD1	2.91	0.41
2:6n:111:VAL:CG1	2:7p:57:MET:CE	2.98	0.41
2:6n:113:SER:O	2:6n:114:ARG:HD2	2.21	0.41
2:6p:154:ALA:HB1	2:8v:158[B]:ILE:HA	2.03	0.41
2:6p:277:GLY:C	2:8v:247:LYS:HE3	2.45	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8s:196:LEU:HB3	2:9I:200:LEU:CD2	2.47	0.41
2:8t:73:VAL:HB	2:8x:23:GLN:HG3	2.02	0.41
2:9H:215:THR:H	2:9H:218:ASN:ND2	2.18	0.41
2:1s:148[A]:ILE:HD13	2:3s:148[A]:ILE:HD13	2.03	0.41
2:2s:129:GLY:N	2:1w:136:LEU:O	2.44	0.41
2:2s:193:LYS:HG2	2:3w:199:LEU:O	2.20	0.41
2:2s:210:LEU:HA	2:3w:206:VAL:CG1	2.46	0.41
2:3q:246:LYS:HD3	2:4k:240:THR:HA	2.00	0.41
2:3r:179:ASN:ND2	2:3r:192:ASN:HD22	2.11	0.41
2:3t:108:VAL:HG13	2:3t:108:VAL:O	2.19	0.41
2:4k:179:ASN:ND2	2:4k:192:ASN:HD22	2.11	0.41
2:4l:111:VAL:HG11	2:3x:41:TYR:HH	1.86	0.41
2:6q:73:VAL:O	2:9K:23:GLN:NE2	2.49	0.41
2:6q:119:SER:HB3	2:9K:126:LYS:HE2	2.01	0.41
2:6r:111:VAL:CG1	2:7u:57:MET:CE	2.98	0.41
2:6r:127:ASP:OD1	2:5n:122:VAL:HG23	2.21	0.41
2:6r:174:LEU:CD1	2:7u:174:LEU:HD22	2.51	0.41
2:6s:127:ASP:OD1	2:7o:121[B]:GLU:CA	2.63	0.41
2:7s:125:ILE:HA	2:8x:120:ILE:O	2.20	0.41
2:8w:234:LEU:HD12	2:9I:234:LEU:HB2	1.81	0.41
2:8y:97:TYR:OH	2:8y:111:VAL:CB	2.69	0.41
2:8z:179:ASN:ND2	2:8z:192:ASN:HD22	2.11	0.41
2:9L:66:ILE:O	2:9L:66:ILE:HG23	2.20	0.41
2:1v:227:GLY:HA3	2:2u:223:ARG:NH1	2.36	0.41
2:2w:120:ILE:O	2:4n:125:ILE:HA	2.21	0.41
2:2x:215:THR:H	2:2x:218:ASN:ND2	2.18	0.41
2:3u:91:PRO:O	2:3u:92:SER:CB	2.69	0.41
2:5m:200:LEU:C	2:6w:193:LYS:CD	2.93	0.41
2:6w:226:ILE:C	2:7t:219:LYS:CB	2.93	0.41
2:6x:113:SER:O	2:6x:114:ARG:HD2	2.21	0.41
2:6x:132:GLY:N	2:9R:138:ILE:O	2.49	0.41
2:7t:53:THR:OG1	2:7t:54:GLN:N	2.51	0.41
2:9M:120:ILE:HD13	2:9J:120:ILE:CD1	2.50	0.41
2:9M:175:PHE:HE1	2:9J:171:GLN:CG	2.09	0.41
2:9M:198:GLN:O	2:9J:193:LYS:NZ	2.54	0.41
2:9M:209:LEU:HD22	2:9J:209:LEU:HD21	1.86	0.41
2:9M:274:LYS:NZ	2:9J:251:VAL:H	2.19	0.41
2:9Q:113:SER:O	2:9Q:114:ARG:HD2	2.21	0.41
2:9R:66:ILE:O	2:9R:66:ILE:HG23	2.20	0.41
1:1A:226:LEU:HA	1:1A:227:PRO:HD3	1.87	0.41
1:2C:419:ASP:OD1	1:2C:419:ASP:C	2.62	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3B:406:GLY:O	1:3B:407:ASN:HB2	2.21	0.41
1:3C:18:TYR:CD1	1:3C:18:TYR:C	2.98	0.41
1:3E:151:THR:OG1	1:2V:59:ASN:ND2	2.53	0.41
1:3F:355:SER:CB	1:3F:356:PRO:CD	2.99	0.41
1:4B:12:LEU:O	1:4B:14:ILE:N	2.54	0.41
1:4E:202:GLU:O	1:4E:203:PRO:O	2.39	0.41
1:5D:419:ASP:OD2	1:5D:419:ASP:C	2.64	0.41
1:6C:36:VAL:HB	1:6C:37:PRO:HD3	2.03	0.41
1:6C:419:ASP:OD1	1:6C:419:ASP:C	2.63	0.41
1:6E:145:GLN:HG2	1:6E:319:TYR:HB3	2.01	0.41
1:6E:446:ALA:HA	2:6f:42:VAL:O	2.20	0.41
1:6F:314:ASN:C	1:6F:314:ASN:OD1	2.61	0.41
1:7A:6:ASN:OD1	1:7A:6:ASN:C	2.63	0.41
1:8A:134:ARG:O	1:8A:135:ASN:CB	2.68	0.41
1:8A:392:THR:CG2	2:8e:16:TYR:CE1	3.02	0.41
1:8A:446:ALA:O	2:8e:56:ASN:CA	2.55	0.41
1:8D:445:GLY:CA	2:8i:44:VAL:HB	2.50	0.41
1:8E:406:GLY:O	1:8E:407:ASN:HB3	2.20	0.41
1:1H:366:GLN:HG2	1:1H:403:SER:HA	2.03	0.41
1:2G:306:LEU:HB3	1:2G:327:TRP:HB2	2.03	0.41
1:2H:270:MET:O	1:2H:271:ASN:CB	2.68	0.41
1:2I:19:ASP:OD1	1:2I:19:ASP:C	2.61	0.41
1:3J:7:ASP:OD2	1:3J:7:ASP:C	2.64	0.41
1:3L:81:ASN:OD1	1:3L:81:ASN:C	2.61	0.41
1:4K:36:VAL:HB	1:4K:37:PRO:HD3	2.02	0.41
1:5G:397:THR:O	1:5G:399:ASP:N	2.54	0.41
1:7H:19:ASP:OD1	1:7H:19:ASP:C	2.62	0.41
1:1N:399:ASP:O	1:1N:400:GLY:C	2.64	0.41
1:2M:366:GLN:NE2	2:2k:64:GLN:OE1	2.50	0.41
1:2M:385:TRP:H	2:2k:106:GLN:HE22	1.68	0.41
1:3R:252:ASP:O	1:3R:253:ALA:HB3	2.20	0.41
1:4M:355:SER:CB	1:4M:356:PRO:CD	2.99	0.41
1:4Q:36:VAL:N	1:4Q:37:PRO:CD	2.83	0.41
1:5R:446:ALA:HB1	2:5j:56:ASN:ND2	2.35	0.41
1:6N:393:GLY:CA	2:6o:107:LEU:HD12	2.45	0.41
1:6Q:443:SER:C	2:6n:45:LYS:NZ	2.79	0.41
1:6R:291:GLU:O	1:6R:292:ALA:HB3	2.20	0.41
1:7O:224:LEU:HD22	1:7O:337:ASN:HB3	2.02	0.41
1:7O:226:LEU:HA	1:7O:227:PRO:HD3	1.94	0.41
1:8P:392:THR:HG22	2:8u:16:TYR:CD1	2.54	0.41
1:8Q:399:ASP:OD1	1:8Q:400:GLY:N	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1T:366:GLN:HG2	1:1T:403:SER:HA	2.03	0.41
1:1V:393:GLY:HA2	2:1t:107:LEU:HD11	1.90	0.41
1:2T:95:ARG:O	1:2T:96:THR:HB	2.20	0.41
1:3T:223:LYS:HB3	1:3T:233:TRP:CH2	2.56	0.41
1:3X:306:LEU:HB3	1:3X:327:TRP:HB2	2.02	0.41
1:4V:267:ALA:O	1:4V:268:PHE:HB3	2.20	0.41
1:5T:312:VAL:HB	1:5T:321:ASN:HB2	2.03	0.41
1:5W:18:TYR:CD1	1:5W:18:TYR:C	2.99	0.41
1:5W:345:ASP:O	1:5W:346:VAL:HB	2.20	0.41
1:6S:438:ARG:HA	1:6S:439:PRO:HD3	1.90	0.41
1:7P:355:SER:CB	1:7P:356:PRO:HD3	2.50	0.41
1:7S:355:SER:CB	1:7S:356:PRO:CD	2.98	0.41
1:9D:444:GLY:C	2:9I:53:THR:OG1	2.64	0.41
1:1Z:355:SER:CB	1:1Z:356:PRO:HD3	2.50	0.41
1:1a:81:ASN:OD1	1:1a:81:ASN:C	2.62	0.41
1:1d:58:GLN:O	1:1d:58:GLN:HG2	2.20	0.41
1:3Z:71:LEU:HD12	1:3Z:71:LEU:C	2.46	0.41
1:3a:218:ARG:NH1	1:3a:274:ASP:O	2.54	0.41
1:3d:252:ASP:O	1:3d:253:ALA:HB3	2.20	0.41
1:4c:392:THR:HG21	2:4m:66:ILE:HD11	2.02	0.41
1:6Z:145:GLN:HG2	1:6Z:319:TYR:HB3	2.02	0.41
1:6a:36:VAL:HB	1:6a:37:PRO:HD3	2.03	0.41
1:6c:438:ARG:HA	1:6c:439:PRO:HD3	1.94	0.41
1:7U:60:ASP:O	1:7U:61:PHE:HB3	2.20	0.41
1:7Y:355:SER:HB3	1:7Y:356:PRO:CD	2.50	0.41
1:8Y:111:ASP:OD2	1:8Y:111:ASP:C	2.63	0.41
1:8Y:407:ASN:OD1	2:9M:45:LYS:HB2	2.19	0.41
1:8d:399:ASP:OD1	1:8d:399:ASP:C	2.63	0.41
2:1g:215:THR:H	2:1g:218:ASN:ND2	2.17	0.41
2:1h:242:LEU:HD12	2:2t:234:LEU:O	2.21	0.41
2:2Z:160:GLY:HA2	2:1l:173:LEU:HD22	2.02	0.41
2:2d:120:ILE:HG13	2:3k:125:ILE:HA	2.03	0.41
2:3g:229:GLY:CA	2:2x:231:PRO:HD3	2.50	0.41
2:3h:183:PHE:HE1	2:2w:199:LEU:HB2	1.02	0.41
2:3h:223:ARG:CG	2:2w:226:ILE:HG13	2.50	0.41
2:3h:229:GLY:HA3	2:2w:229:GLY:HA3	1.61	0.41
2:4e:113:SER:O	2:4e:114:ARG:HD2	2.21	0.41
2:5e:147:ILE:O	2:6g:141:PRO:HB3	2.20	0.41
2:5e:263:VAL:HG21	2:6g:256:ALA:C	2.45	0.41
2:5f:66:ILE:O	2:5f:66:ILE:HG23	2.21	0.41
2:5f:91:PRO:O	2:5f:92:SER:CB	2.69	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:28:ILE:CD1	2:7g:99:VAL:HG12	2.50	0.41
2:6f:127:ASP:OD1	2:5h:122:VAL:HG23	2.21	0.41
2:7a:200:LEU:CD1	2:6v:200:LEU:CD1	2.94	0.41
2:7c:139:ASN:OD1	2:8j:130:ASP:N	2.36	0.41
2:7d:125:ILE:HA	2:8f:120:ILE:O	2.20	0.41
2:8e:199:LEU:HD11	2:9F:186:ALA:CA	2.33	0.41
2:8e:246:LYS:CA	2:9O:242:LEU:HD23	2.50	0.41
2:8g:97:TYR:OH	2:8g:111:VAL:CB	2.69	0.41
2:8g:215:THR:H	2:8g:218:ASN:ND2	2.17	0.41
2:1i:91:PRO:O	2:1i:92:SER:HB3	2.19	0.41
2:1k:132:GLY:HA3	2:3k:135:LEU:O	2.21	0.41
2:1k:148[A]:ILE:HD13	2:3k:148[A]:ILE:HD13	2.02	0.41
2:1k:245:VAL:CB	2:3k:245:VAL:CG2	2.95	0.41
2:2f:228:ALA:HA	2:3j:223:ARG:HD2	1.36	0.41
2:2h:186:ALA:HA	2:4h:199:LEU:HD13	2.03	0.41
2:2h:222:LEU:HD23	2:3p:209:LEU:CD1	2.42	0.41
2:3i:73:VAL:HG13	2:4g:28:ILE:HB	2.03	0.41
2:3k:66:ILE:O	2:3k:66:ILE:HG23	2.21	0.41
2:4g:113:SER:O	2:4g:114:ARG:HD2	2.21	0.41
2:6j:111:VAL:CG1	2:7k:57:MET:CE	2.98	0.41
2:6j:127:ASP:OD1	2:5j:122:VAL:HG23	2.21	0.41
2:6j:174:LEU:CD1	2:7k:174:LEU:HD22	2.51	0.41
2:6j:200:LEU:HD11	2:7k:200:LEU:CD2	2.51	0.41
2:6j:226:ILE:CG2	2:5j:222:LEU:HD13	2.46	0.41
2:6j:238:THR:HA	2:5j:247:LYS:HB2	2.02	0.41
2:6l:132:GLY:N	2:8p:138:ILE:O	2.49	0.41
2:7e:215:THR:H	2:7e:218:ASN:ND2	2.18	0.41
2:7i:125:ILE:HA	2:8l:120:ILE:O	2.20	0.41
2:8k:120:ILE:HD13	2:9G:120:ILE:CD1	2.50	0.41
2:8k:225:MET:CE	2:9G:212:GLY:HA2	2.50	0.41
2:1m:61:ALA:CB	2:2j:57:MET:HE3	2.48	0.41
2:2j:246:LYS:CD	2:1t:240:THR:CA	2.89	0.41
2:2k:174:LEU:CD2	2:3n:174:LEU:HD11	2.48	0.41
2:2m:28:ILE:HD12	2:3t:99:VAL:HG12	1.99	0.41
2:2m:120:ILE:O	2:4j:125:ILE:HA	2.21	0.41
2:3o:215:THR:H	2:3o:218:ASN:ND2	2.18	0.41
2:4j:111:VAL:HG21	2:3t:41:TYR:OH	2.20	0.41
2:6m:28:ILE:CD1	2:7q:99:VAL:HG12	2.50	0.41
2:6m:91:PRO:O	2:6m:92:SER:CB	2.69	0.41
2:6n:239:THR:CA	2:5l:247:LYS:CB	2.96	0.41
2:7n:125:ILE:HA	2:8r:120:ILE:O	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8q:199:LEU:O	2:9H:193:LYS:HG2	2.21	0.41
2:8q:270:ILE:H	2:9H:269:LEU:HD22	1.78	0.41
2:8r:97:TYR:OH	2:8r:111:VAL:CB	2.69	0.41
2:8s:113:SER:O	2:8s:114:ARG:HD2	2.21	0.41
2:8s:121[A]:GLU:HA	2:9I:127:ASP:OD1	2.21	0.41
2:8s:210:LEU:HD22	2:9I:201:VAL:CG2	2.47	0.41
2:1q:138:ILE:O	2:2o:129:GLY:HA3	2.21	0.41
2:1r:66:ILE:O	2:1r:66:ILE:HG23	2.21	0.41
2:1s:97:TYR:OH	2:1s:111:VAL:CB	2.69	0.41
2:2r:239:THR:HG22	2:3x:248:GLY:H	1.48	0.41
2:2s:278:ILE:HG21	2:3w:278:ILE:HG21	2.02	0.41
2:3s:91:PRO:O	2:3s:92:SER:CB	2.69	0.41
2:3s:179:ASN:ND2	2:3s:192:ASN:HD22	2.11	0.41
2:4k:113:SER:O	2:4k:114:ARG:HD2	2.21	0.41
2:5k:278:ILE:HG23	2:6s:278:ILE:HD11	1.98	0.41
2:6r:219:LYS:CG	2:7u:225:MET:O	2.48	0.41
2:6s:66:ILE:O	2:6s:66:ILE:HG23	2.21	0.41
2:6t:28:ILE:HA	2:9L:73:VAL:HG11	2.02	0.41
2:6t:154:ALA:HB1	2:9L:158[B]:ILE:HA	2.03	0.41
2:7r:179:ASN:ND2	2:7r:192:ASN:HD22	2.11	0.41
2:8x:91:PRO:O	2:8x:92:SER:HB3	2.19	0.41
2:8x:108:VAL:O	2:8x:108:VAL:HG13	2.19	0.41
2:8x:179:ASN:ND2	2:8x:192:ASN:HD22	2.11	0.41
2:8y:175:PHE:CZ	2:9J:175:PHE:CZ	3.07	0.41
2:8y:175:PHE:CZ	2:9J:175:PHE:HZ	2.33	0.41
2:8y:242:LEU:HD23	2:9M:246:LYS:CA	2.50	0.41
2:8y:270:ILE:HG21	2:9M:253:ALA:CA	2.50	0.41
2:8z:73:VAL:HB	2:9N:23:GLN:HG3	2.03	0.41
2:1x:91:PRO:O	2:1x:92:SER:CB	2.69	0.41
2:2u:239:THR:OG1	2:3v:247:LYS:HB3	2.18	0.41
2:2v:193:LYS:HE3	2:3u:198:GLN:O	2.20	0.41
2:2v:219:LYS:CB	2:3u:226:ILE:HA	2.50	0.41
2:6w:199:LEU:HD21	2:7t:186:ALA:HA	2.01	0.41
2:6x:154:ALA:HB1	2:9R:158[B]:ILE:HA	2.03	0.41
2:7x:215:THR:H	2:7x:218:ASN:ND2	2.18	0.41
2:9M:199:LEU:O	2:9J:193:LYS:HG2	2.21	0.41
2:9O:41:TYR:CD2	2:9O:57:MET:HE1	2.48	0.41
1:1A:76:GLN:O	1:1A:76:GLN:HG2	2.19	0.41
1:1A:202:GLU:HA	1:1A:203:PRO:HD3	1.84	0.41
1:1B:316:ARG:HD3	1:1K:323:TYR:CZ	2.55	0.41
1:2C:270:MET:O	1:2C:271:ASN:CB	2.68	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2E:448:ALA:C	2:2d:58:TYR:O	2.63	0.41
1:3B:228:GLN:OE1	1:3B:228:GLN:N	2.32	0.41
1:3C:444:GLY:H	2:3h:45:LYS:HZ1	1.67	0.41
1:4C:135:ASN:OD1	1:4C:135:ASN:N	2.51	0.41
1:4C:355:SER:CB	1:4C:356:PRO:CD	2.98	0.41
1:4D:190:TYR:CD2	1:4D:190:TYR:C	2.99	0.41
1:4E:199:LYS:HB3	1:4E:202:GLU:CG	2.51	0.41
1:5A:69:ILE:HA	1:5F:96:THR:HB	2.02	0.41
1:5A:397:THR:O	1:5A:399:ASP:N	2.54	0.41
1:6A:442:ALA:HB3	2:6h:45:LYS:NZ	2.36	0.41
1:6E:110:TYR:CD2	1:6E:110:TYR:C	2.99	0.41
1:6E:124:MET:HA	1:6E:125:PRO:HD3	1.91	0.41
1:6F:124:MET:HA	1:6F:125:PRO:HD3	1.93	0.41
1:7C:19:ASP:C	1:7C:19:ASP:OD1	2.62	0.41
1:8B:323:TYR:CE2	1:8Y:316:ARG:HD3	2.56	0.41
1:8E:355:SER:O	1:8E:356:PRO:C	2.63	0.41
1:8E:399:ASP:OD1	1:8E:400:GLY:N	2.54	0.41
1:1K:19:ASP:OD1	1:1K:19:ASP:C	2.63	0.41
1:1L:291:GLU:O	1:1L:292:ALA:HB3	2.20	0.41
1:2F:382:LYS:HZ3	2:2h:101:GLU:CD	2.29	0.41
1:4H:356:PRO:O	1:4H:357:ASN:HB2	2.20	0.41
1:4L:145:GLN:HG2	1:4L:319:TYR:HB3	2.03	0.41
1:5L:443:SER:HB2	2:5h:53:THR:OG1	2.21	0.41
1:6L:111:ASP:OD1	1:6L:111:ASP:C	2.63	0.41
1:7G:444:GLY:C	2:7g:45:LYS:CE	2.94	0.41
1:8G:217:MET:HE3	1:8G:217:MET:HB3	1.69	0.41
1:8G:425:LYS:O	1:8G:425:LYS:HG3	2.21	0.41
1:8I:268:PHE:O	1:8I:269:ASN:HB2	2.21	0.41
1:8I:372:TYR:CD2	1:8I:372:TYR:N	2.89	0.41
1:8K:399:ASP:OD1	1:8K:400:GLY:N	2.54	0.41
1:8K:406:GLY:O	1:8K:407:ASN:HB3	2.20	0.41
1:3N:71:LEU:HD12	1:3N:71:LEU:C	2.46	0.41
1:4O:315:PRO:HG2	1:5T:312:VAL:HG22	2.02	0.41
1:4P:190:TYR:CD2	1:4P:190:TYR:C	2.99	0.41
1:4R:425:LYS:O	1:4R:427:LYS:N	2.53	0.41
1:5P:419:ASP:OD2	1:5P:419:ASP:C	2.64	0.41
1:7O:36:VAL:N	1:7O:37:PRO:HD2	2.36	0.41
1:1W:203:PRO:CG	1:1W:213:PHE:HB2	2.51	0.41
1:1X:227:PRO:O	1:1X:228:GLN:HB3	2.20	0.41
1:2P:245:GLU:H	1:2P:245:GLU:CD	2.22	0.41
1:2Q:37:PRO:O	1:2Q:38:LEU:HB2	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2Q:58:GLN:O	1:2Q:58:GLN:HG2	2.18	0.41
1:3U:142:GLN:HA	1:3U:142:GLN:NE2	2.35	0.41
1:3V:407:ASN:OD1	2:3s:45:LYS:HB2	2.21	0.41
1:3W:200:ILE:HG22	1:3W:216:LYS:HD3	2.02	0.41
1:3X:355:SER:CB	1:3X:356:PRO:CD	2.99	0.41
1:4T:203:PRO:CA	1:4T:212:GLU:CD	2.86	0.41
1:4U:88:LYS:O	1:4U:88:LYS:CG	2.67	0.41
1:6W:145:GLN:HG2	1:6W:319:TYR:HB3	2.01	0.41
1:6W:445:GLY:CA	2:6r:45:LYS:H	2.14	0.41
1:6X:154:VAL:O	1:6X:155:SER:HB3	2.21	0.41
1:7P:447:GLN:HG3	2:7s:42:VAL:CG1	2.51	0.41
1:7R:7:ASP:OD1	1:7R:7:ASP:C	2.64	0.41
1:8X:116:GLU:O	1:8X:117:GLN:HB2	2.21	0.41
1:1Y:446:ALA:HB2	2:1u:19:LEU:CD1	2.51	0.41
1:3Z:245:GLU:H	1:3Z:245:GLU:CD	2.15	0.41
1:3b:111:ASP:OD1	1:3b:111:ASP:C	2.63	0.41
1:4c:202:GLU:O	1:4c:203:PRO:O	2.39	0.41
1:7V:59:ASN:ND2	1:8b:151:THR:OG1	2.54	0.41
1:8Y:392:THR:O	2:9M:16:TYR:OH	2.39	0.41
1:8d:200:ILE:HD13	1:8d:341:PHE:HB3	2.01	0.41
1:8d:202:GLU:O	1:8d:209:ALA:HB2	2.15	0.41
2:1e:138:ILE:O	2:2Z:129:GLY:HA3	2.21	0.41
2:1e:223:ARG:CA	2:2Z:226:ILE:HD12	2.42	0.41
2:3h:183:PHE:CE2	2:2w:180:VAL:CG2	2.96	0.41
2:5e:246:LYS:N	2:7Z:242:LEU:CD2	2.72	0.41
2:5f:122:VAL:HG23	2:6v:127:ASP:OD1	2.21	0.41
2:5f:242:LEU:HD23	2:7a:245:VAL:C	2.46	0.41
2:6e:76:ASN:HD21	2:6e:116:LYS:HD3	1.78	0.41
2:6f:229:GLY:O	2:7f:228:ALA:CA	2.69	0.41
2:6g:148[B]:ILE:HD12	2:7Z:148[B]:ILE:HD11	2.03	0.41
2:6h:28:ILE:HA	2:8j:73:VAL:HG11	2.02	0.41
2:8e:66:ILE:O	2:8e:66:ILE:HG23	2.20	0.41
2:8e:245:VAL:C	2:9O:242:LEU:HD22	2.46	0.41
2:8g:57:MET:SD	2:8k:111:VAL:CG1	3.09	0.41
2:8g:210:LEU:HD22	2:9G:201:VAL:CG2	2.47	0.41
2:9F:242:LEU:HB3	2:9O:244:GLY:H	1.84	0.41
2:1i:73:VAL:HG11	2:2e:27:ILE:CA	2.43	0.41
2:1i:97:TYR:OH	2:1i:111:VAL:CB	2.69	0.41
2:1i:108:VAL:O	2:1i:108:VAL:HG13	2.19	0.41
2:1i:113:SER:O	2:1i:114:ARG:HD2	2.21	0.41
2:1j:228:ALA:CA	2:2f:229:GLY:O	2.67	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:266:LEU:CD2	2:3k:265:ASP:HB3	2.37	0.41
2:3i:236:ALA:N	2:4g:242:LEU:CD1	2.79	0.41
2:3j:97:TYR:OH	2:3j:111:VAL:CB	2.69	0.41
2:5g:97:TYR:OH	2:5g:111:VAL:CB	2.69	0.41
2:5h:226:ILE:HG22	2:7f:222:LEU:HD13	2.02	0.41
2:6i:242:LEU:HD22	2:7l:244:GLY:O	2.20	0.41
2:6j:229:GLY:O	2:7k:228:ALA:CA	2.69	0.41
2:6j:239:THR:CA	2:5j:247:LYS:CB	2.96	0.41
2:6j:242:LEU:HD13	2:5j:236:ALA:N	2.21	0.41
2:6k:280:SER:OG	2:7e:248:GLY:O	2.37	0.41
2:6l:148[B]:ILE:HD13	2:7h:148[B]:ILE:CD1	2.51	0.41
2:7g:19:LEU:N	2:7g:41:TYR:O	2.46	0.41
2:7h:215:THR:H	2:7h:218:ASN:ND2	2.18	0.41
2:7h:262:ALA:O	2:8p:266:LEU:HD22	2.20	0.41
2:8k:184:LEU:CD2	2:9G:184:LEU:HD21	2.19	0.41
2:8m:97:TYR:OH	2:8m:111:VAL:CB	2.69	0.41
2:8m:270:ILE:HG21	2:8q:253:ALA:CA	2.50	0.41
2:8n:66:ILE:O	2:8n:66:ILE:HG23	2.20	0.41
2:1m:41:TYR:OH	2:1t:111:VAL:HG21	2.20	0.41
2:1n:200:LEU:HD13	2:2k:200:LEU:CD1	2.50	0.41
2:1n:239:THR:CG2	2:2k:247:LYS:O	2.49	0.41
2:2j:244:GLY:HA2	2:1t:243:GLY:H	1.77	0.41
2:2m:215:THR:H	2:2m:218:ASN:ND2	2.18	0.41
2:2m:240:THR:C	2:3t:245:VAL:O	2.63	0.41
2:2n:248:GLY:CA	2:3s:279:ILE:HA	2.50	0.41
2:3m:215:THR:H	2:3m:218:ASN:ND2	2.18	0.41
2:4i:108:VAL:HG13	2:4i:108:VAL:O	2.19	0.41
2:5i:246:LYS:N	2:7j:242:LEU:CD2	2.72	0.41
2:5j:226:ILE:HG22	2:7k:222:LEU:HD13	2.02	0.41
2:6m:193:LYS:HD3	2:8u:200:LEU:O	2.20	0.41
2:6m:242:LEU:HD22	2:7q:244:GLY:O	2.21	0.41
2:8s:57:MET:SD	2:8w:111:VAL:CG1	3.09	0.41
2:1q:91:PRO:O	2:1q:92:SER:HB3	2.19	0.41
2:1r:179:ASN:ND2	2:1r:192:ASN:HD22	2.11	0.41
2:1t:66:ILE:O	2:1t:66:ILE:HG23	2.20	0.41
2:2o:234:LEU:O	2:1x:242:LEU:HD12	2.20	0.41
2:2q:244:GLY:C	2:3q:242:LEU:HD22	2.42	0.41
2:2r:200:LEU:HD11	2:3x:200:LEU:CD2	2.50	0.41
2:3r:113:SER:O	2:3r:114:ARG:HD2	2.21	0.41
2:4k:97:TYR:OH	2:4k:111:VAL:CB	2.69	0.41
2:6s:148[B]:ILE:HD12	2:7o:148[B]:ILE:HD11	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6s:238:THR:O	2:7o:247:LYS:N	2.53	0.41
2:8y:246:LYS:CD	2:9J:240:THR:CA	2.90	0.41
2:8z:91:PRO:O	2:8z:92:SER:CB	2.69	0.41
2:1u:209:LEU:O	2:2t:206:VAL:HG21	2.19	0.41
2:2u:201:VAL:HG22	2:3v:210:LEU:HB3	2.01	0.41
2:2u:226:ILE:HB	2:3v:222:LEU:C	2.45	0.41
2:5m:174:LEU:O	2:6w:171:GLN:NE2	2.52	0.41
2:5m:280:SER:H	2:6w:249:ALA:C	2.29	0.41
2:5n:66:ILE:O	2:5n:66:ILE:HG23	2.21	0.41
2:6u:157:LEU:HD21	2:9Q:157:LEU:CD2	2.50	0.41
2:6u:193:LYS:HD3	2:9Q:200:LEU:O	2.20	0.41
2:6v:113:SER:O	2:6v:114:ARG:HD2	2.21	0.41
2:9M:176:SER:HB2	2:9J:164:ASN:OD1	2.21	0.41
2:9O:38:ILE:CD1	2:9O:114:ARG:HH22	2.29	0.41
1:1B:366:GLN:HG2	1:1B:403:SER:HA	2.03	0.41
1:2A:145:GLN:HG2	1:2A:319:TYR:HB3	2.03	0.41
1:2B:59:ASN:ND2	1:3K:151:THR:OG1	2.53	0.41
1:2B:202:GLU:HA	1:2B:203:PRO:HD3	1.93	0.41
1:2B:355:SER:N	1:2B:370:THR:O	2.45	0.41
1:3C:96:THR:HA	1:3C:132:HIS:O	2.20	0.41
1:3C:399:ASP:OD1	1:3C:399:ASP:C	2.63	0.41
1:3F:275:PHE:O	1:3F:276:LEU:HB2	2.20	0.41
1:4B:203:PRO:CB	1:4B:212:GLU:HB2	2.46	0.41
1:4C:319:TYR:CD1	1:4C:319:TYR:C	2.99	0.41
1:4E:212:GLU:HA	1:4E:212:GLU:OE1	2.21	0.41
1:4F:145:GLN:HG2	1:4F:319:TYR:HB3	2.03	0.41
1:4F:202:GLU:HA	1:4F:203:PRO:HD3	1.92	0.41
1:5A:356:PRO:O	1:5A:357:ASN:HB2	2.21	0.41
1:5B:312:VAL:HG22	1:4a:315:PRO:HG2	2.02	0.41
1:5D:202:GLU:HA	1:5D:203:PRO:HD3	1.85	0.41
1:5F:145:GLN:HG2	1:5F:319:TYR:HB3	2.03	0.41
1:5F:355:SER:CB	1:5F:356:PRO:CD	2.99	0.41
1:6E:95:ARG:HB2	1:5H:151:THR:HG23	2.02	0.41
1:7A:266:LYS:O	1:7A:270:MET:N	2.54	0.41
1:7B:124:MET:HA	1:7B:125:PRO:HD3	1.93	0.41
1:8C:355:SER:HB2	1:8C:356:PRO:HD3	2.03	0.41
1:8D:412:LEU:HB2	1:8D:435:VAL:HB	2.02	0.41
1:8F:202:GLU:O	1:8F:209:ALA:HB2	2.15	0.41
1:8F:355:SER:HB3	1:8F:356:PRO:HD3	2.03	0.41
1:1H:425:LYS:O	1:1H:427:LYS:N	2.53	0.41
1:1I:200:ILE:HG22	1:1I:216:LYS:HD3	1.99	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1J:355:SER:HB2	1:1J:356:PRO:HD2	2.03	0.41
1:2F:110:TYR:CD2	1:2F:110:TYR:C	2.99	0.41
1:3H:406:GLY:O	1:3H:407:ASN:HB2	2.21	0.41
1:3K:202:GLU:HA	1:3K:203:PRO:HD3	1.60	0.41
1:5G:202:GLU:HA	1:5G:203:PRO:HD3	1.96	0.41
1:5H:203:PRO:C	1:5H:204:THR:HG1	2.11	0.41
1:6K:110:TYR:CD2	1:6K:110:TYR:C	2.99	0.41
1:7G:59:ASN:ND2	1:8J:151:THR:OG1	2.54	0.41
1:7J:36:VAL:N	1:7J:37:PRO:HD2	2.36	0.41
1:1O:343:SER:OG	1:1O:344:GLY:N	2.52	0.41
1:1Q:19:ASP:OD1	1:1Q:19:ASP:C	2.64	0.41
1:2L:25:ARG:NH1	2:3s:52:LEU:O	2.53	0.41
1:2M:236:MET:O	1:2M:237:ALA:HB3	2.20	0.41
1:2O:202:GLU:O	1:2O:202:GLU:OE1	2.38	0.41
1:3M:396:ILE:O	1:3M:396:ILE:CG2	2.69	0.41
1:3P:419:ASP:OD1	1:3P:419:ASP:C	2.63	0.41
1:4N:135:ASN:OD1	1:4N:135:ASN:N	2.50	0.41
1:4N:205:SER:O	1:4N:206:SER:CB	2.68	0.41
1:4O:204:THR:O	1:4O:204:THR:HG22	2.21	0.41
1:4O:355:SER:CB	1:4O:356:PRO:CD	2.98	0.41
1:4P:203:PRO:O	1:4P:204:THR:HB	2.21	0.41
1:4Q:212:GLU:OE1	1:4Q:212:GLU:HA	2.21	0.41
1:5N:136:ARG:HD3	1:5N:328:GLN:HG2	2.03	0.41
1:5O:291:GLU:O	1:5O:292:ALA:HB3	2.20	0.41
1:5Q:445:GLY:O	2:5i:44:VAL:CA	2.65	0.41
1:6R:145:GLN:NE2	1:5X:110:TYR:OH	2.54	0.41
1:7K:60:ASP:O	1:7K:61:PHE:HB3	2.20	0.41
1:7K:446:ALA:HA	2:7n:43:ALA:HA	2.02	0.41
1:7L:59:ASN:ND2	1:8P:151:THR:OG1	2.54	0.41
1:7M:19:ASP:OD1	1:7M:19:ASP:C	2.62	0.41
1:8N:425:LYS:N	1:8N:426:PRO:CD	2.83	0.41
1:1U:420:ILE:HB	1:1U:427:LYS:HB2	2.03	0.41
1:1W:19:ASP:OD1	1:1W:19:ASP:C	2.63	0.41
1:1W:202:GLU:N	1:1W:203:PRO:HD3	2.35	0.41
1:2R:236:MET:O	1:2R:237:ALA:HB3	2.20	0.41
1:4S:379:LYS:NZ	1:4S:380:ASP:OD1	2.54	0.41
1:4T:134:ARG:HH11	1:4T:134:ARG:HG2	1.86	0.41
1:4T:419:ASP:OD1	1:4T:419:ASP:C	2.64	0.41
1:4U:334:ARG:O	1:4U:335:PHE:HB2	2.21	0.41
1:4U:419:ASP:OD1	1:4U:419:ASP:C	2.63	0.41
1:4W:36:VAL:N	1:4W:37:PRO:CD	2.83	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5X:228:GLN:OE1	1:5X:228:GLN:N	2.33	0.41
1:5X:439:PRO:O	1:5X:440:ASN:HB3	2.20	0.41
1:6U:36:VAL:HB	1:6U:37:PRO:HD3	2.03	0.41
1:7T:36:VAL:N	1:7T:37:PRO:HD2	2.36	0.41
1:8S:392:THR:HG21	2:8w:107:LEU:CG	2.49	0.41
1:8U:372:TYR:CD2	1:8U:372:TYR:N	2.89	0.41
1:1Z:28:GLN:HG3	1:1Z:29:GLY:H	1.86	0.41
1:1a:200:ILE:HG22	1:1a:216:LYS:HD3	1.99	0.41
1:1b:445:GLY:N	2:1x:44:VAL:HG23	2.31	0.41
1:2X:140:TYR:CD1	1:2X:140:TYR:N	2.88	0.41
1:2X:448:ALA:HB2	2:2t:41:TYR:HA	2.03	0.41
1:2Y:397:THR:HA	2:2x:107:LEU:HB2	2.03	0.41
1:4Z:205:SER:O	1:4Z:206:SER:CB	2.68	0.41
1:4Z:356:PRO:O	1:4Z:357:ASN:HB2	2.20	0.41
1:4a:19:ASP:OD1	1:4a:19:ASP:C	2.61	0.41
1:4d:446:ALA:HB2	2:4n:56:ASN:CB	2.46	0.41
1:5Z:312:VAL:HB	1:5Z:321:ASN:HB2	2.03	0.41
1:5b:355:SER:CB	1:5b:356:PRO:HD3	2.50	0.41
1:5d:355:SER:CB	1:5d:356:PRO:CD	2.98	0.41
1:6d:291:GLU:O	1:6d:292:ALA:HB3	2.20	0.41
1:7U:447:GLN:NE2	2:7x:60:LEU:HD13	2.36	0.41
1:7W:444:GLY:HA3	2:7u:45:LYS:HZ2	1.79	0.41
1:8a:81:ASN:OD1	1:8a:81:ASN:C	2.63	0.41
1:8c:399:ASP:OD1	1:8c:400:GLY:N	2.54	0.41
2:1f:223:ARG:HA	2:3f:226:ILE:HD12	2.02	0.41
2:2Z:234:LEU:O	2:1l:242:LEU:HD12	2.21	0.41
2:2a:53:THR:OG1	2:2a:54:GLN:N	2.51	0.41
2:2a:239:THR:OG1	2:3f:247:LYS:HB3	2.18	0.41
2:6e:91:PRO:O	2:6e:92:SER:CB	2.69	0.41
2:6e:145:ARG:CG	2:8i:148[A]:ILE:HG22	2.50	0.41
2:6f:113:SER:O	2:6f:114:ARG:HD2	2.21	0.41
2:6h:245:VAL:HG22	2:7c:245:VAL:HG13	2.02	0.41
2:8g:273:LEU:HD21	2:9G:279:ILE:HG22	2.03	0.41
2:8h:66:ILE:O	2:8h:66:ILE:HG23	2.21	0.41
2:8h:91:PRO:O	2:8h:92:SER:CB	2.69	0.41
2:8h:179:ASN:ND2	2:8h:192:ASN:HD22	2.11	0.41
2:9F:232:TYR:CZ	2:9O:232:TYR:CE2	3.08	0.41
2:2e:120:ILE:HG12	2:1p:120:ILE:HD13	2.02	0.41
2:2e:219:LYS:HG2	2:1p:226:ILE:CA	2.48	0.41
2:2f:226:ILE:HB	2:3j:222:LEU:C	2.45	0.41
2:2g:201:VAL:HG21	2:4g:210:LEU:HD22	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2h:120:ILE:O	2:4h:125:ILE:HA	2.21	0.41
2:3i:244:GLY:HA2	2:4g:243:GLY:C	2.37	0.41
2:3j:179:ASN:ND2	2:3j:192:ASN:HD22	2.11	0.41
2:4h:111:VAL:HG21	2:3p:41:TYR:OH	2.20	0.41
2:5g:147:ILE:O	2:6k:141:PRO:HB3	2.20	0.41
2:6l:154:ALA:HB1	2:8p:158[B]:ILE:HA	2.03	0.41
2:7e:179:ASN:ND2	2:7e:192:ASN:HD22	2.11	0.41
2:8k:266:LEU:HB2	2:9G:266:LEU:HB2	1.87	0.41
2:8l:113:SER:O	2:8l:114:ARG:HD2	2.21	0.41
2:1m:97:TYR:OH	2:1m:111:VAL:CB	2.69	0.41
2:1o:270:ILE:HA	2:3o:269:LEU:HD13	2.02	0.41
2:2m:242:LEU:CD2	2:3t:237:ALA:N	2.57	0.41
2:2n:141:PRO:HB2	2:3s:150:GLU:OE1	2.21	0.41
2:3n:113:SER:O	2:3n:114:ARG:HD2	2.21	0.41
2:4i:97:TYR:OH	2:4i:111:VAL:CB	2.69	0.41
2:4i:113:SER:O	2:4i:114:ARG:HD2	2.21	0.41
2:4j:91:PRO:O	2:4j:92:SER:CB	2.69	0.41
2:5i:280:SER:H	2:6o:249:ALA:C	2.28	0.41
2:5j:91:PRO:O	2:5j:92:SER:CB	2.69	0.41
2:6m:229:GLY:N	2:7q:229:GLY:O	2.40	0.41
2:6m:252:THR:C	2:8u:270:ILE:HG21	2.45	0.41
2:6p:97:TYR:OH	2:6p:111:VAL:CB	2.69	0.41
2:7m:269:LEU:CD2	2:8v:269:LEU:CG	2.94	0.41
2:7n:57:MET:CE	2:8r:111:VAL:CG1	2.98	0.41
2:8t:256:ALA:O	2:8x:259:VAL:CG1	2.69	0.41
2:8u:113:SER:O	2:8u:114:ARG:HD2	2.21	0.41
2:8u:120:ILE:HD11	2:7q:120:ILE:HD12	1.74	0.41
2:2o:223:ARG:N	2:1x:226:ILE:HD12	2.36	0.41
2:2p:226:ILE:CD1	2:3r:226:ILE:HG12	2.51	0.41
2:2p:226:ILE:HB	2:3r:222:LEU:C	2.45	0.41
2:2q:122:VAL:N	2:3q:127:ASP:OD1	2.45	0.41
2:2r:229:GLY:O	2:3x:228:ALA:CA	2.68	0.41
2:2r:247:LYS:HE2	2:4l:280:SER:HA	2.03	0.41
2:3r:97:TYR:OH	2:3r:111:VAL:CB	2.69	0.41
2:5k:147:ILE:O	2:6s:141:PRO:HB3	2.20	0.41
2:5k:263:VAL:HG21	2:6s:256:ALA:C	2.45	0.41
2:6q:158[A]:ILE:CG1	2:9K:158[A]:ILE:HD11	2.47	0.41
2:6q:242:LEU:HD22	2:7v:244:GLY:O	2.21	0.41
2:6r:239:THR:CA	2:5n:247:LYS:CB	2.96	0.41
2:6s:203:ASN:ND2	2:7o:212:GLY:HA2	2.34	0.41
2:6t:267:ASN:CG	2:9L:254:SER:N	2.63	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6t:277:GLY:C	2:9L:247:LYS:HE3	2.45	0.41
2:7q:179:ASN:ND2	2:7q:192:ASN:HD22	2.11	0.41
2:7r:145:ARG:HD3	2:9L:149[B]:ILE:HA	2.03	0.41
2:7r:160:GLY:HA3	2:9L:151:ASN:ND2	2.36	0.41
2:7r:162:THR:OG1	2:9L:173:LEU:O	2.28	0.41
2:7s:242:LEU:CD2	2:8x:245:VAL:N	2.84	0.41
2:8w:91:PRO:O	2:8w:92:SER:CB	2.69	0.41
2:8y:38:ILE:HD11	2:8y:114:ARG:HH22	1.73	0.41
2:8y:273:LEU:HD21	2:9J:279:ILE:HG22	2.03	0.41
2:8z:225:MET:CG	2:7x:209:LEU:HD12	2.46	0.41
2:9K:108:VAL:HG13	2:9K:108:VAL:O	2.19	0.41
2:2u:226:ILE:CD1	2:3v:226:ILE:HG12	2.51	0.41
2:2v:244:GLY:O	2:3u:242:LEU:HD23	2.14	0.41
2:4m:113:SER:O	2:4m:114:ARG:HD2	2.21	0.41
2:4n:91:PRO:O	2:4n:92:SER:CB	2.69	0.41
2:5m:183:PHE:CD2	2:6w:183:PHE:HE2	2.39	0.41
2:5n:242:LEU:HD23	2:7u:245:VAL:C	2.46	0.41
2:7w:53:THR:OG1	2:7w:54:GLN:N	2.51	0.41
2:7w:135:LEU:O	2:9R:132:GLY:CA	2.68	0.41
2:7w:160:GLY:HA3	2:9R:151:ASN:ND2	2.36	0.41
2:9M:91:PRO:O	2:9M:92:SER:CB	2.69	0.41
2:9O:97:TYR:OH	2:9O:111:VAL:CB	2.69	0.41
1:1C:445:GLY:O	2:1g:44:VAL:HB	2.20	0.41
1:1D:447:GLN:HG2	2:1h:60:LEU:CD1	2.51	0.41
1:1E:202:GLU:N	1:1E:203:PRO:HD3	2.35	0.41
1:1F:227:PRO:O	1:1F:228:GLN:HB3	2.20	0.41
1:1F:419:ASP:OD1	1:1F:419:ASP:C	2.63	0.41
1:2A:31:ASN:HB3	1:2E:286:ALA:HA	2.03	0.41
1:2A:447:GLN:O	1:2A:448:ALA:HB3	2.21	0.41
1:2B:37:PRO:O	1:2B:38:LEU:HB2	2.20	0.41
1:2D:355:SER:CB	1:2D:356:PRO:CD	2.99	0.41
1:2D:445:GLY:H	2:2Z:45:LYS:HE3	1.86	0.41
1:3D:7:ASP:OD2	1:3D:7:ASP:C	2.64	0.41
1:3D:111:ASP:C	1:3D:111:ASP:OD1	2.63	0.41
1:4A:396:ILE:O	1:4A:396:ILE:HG23	2.19	0.41
1:4E:36:VAL:N	1:4E:37:PRO:CD	2.83	0.41
1:4E:36:VAL:HB	1:4E:37:PRO:HD3	2.02	0.41
1:4F:111:ASP:C	1:4F:111:ASP:OD1	2.61	0.41
1:5A:390:GLY:O	1:5A:391:SER:HB3	2.21	0.41
1:6B:409:ASP:O	1:6B:409:ASP:CG	2.64	0.41
1:6C:245:GLU:OE1	1:6C:245:GLU:N	2.31	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7C:151:THR:O	1:7C:151:THR:HG22	2.21	0.41
1:7E:355:SER:HB3	1:7E:356:PRO:CD	2.50	0.41
1:8C:268:PHE:O	1:8C:269:ASN:HB2	2.21	0.41
1:8D:202:GLU:HG2	1:8D:343:SER:OG	2.21	0.41
1:8D:202:GLU:HA	1:8D:203:PRO:HD3	1.77	0.41
1:8D:202:GLU:HG3	1:8D:343:SER:HB2	2.02	0.41
1:8F:137:GLN:HE21	1:8F:137:GLN:HB3	1.71	0.41
1:8F:446:ALA:CB	2:8g:30:ILE:HD13	2.50	0.41
1:1I:226:LEU:HA	1:1I:227:PRO:HD3	1.87	0.41
1:1K:145:GLN:HG2	1:1K:319:TYR:HB3	2.03	0.41
1:1K:407:ASN:OD1	1:1K:407:ASN:C	2.62	0.41
1:2F:31:ASN:HB3	1:2J:286:ALA:HA	2.03	0.41
1:2G:25:ARG:HH22	2:3o:51:ASP:CG	2.22	0.41
1:2I:405:SER:O	2:2e:44:VAL:O	2.38	0.41
1:3I:36:VAL:N	1:3I:37:PRO:HD2	2.35	0.41
1:3I:447:GLN:HG3	2:3l:44:VAL:HG22	1.87	0.41
1:3J:448:ALA:C	2:3k:63:TRP:HE1	2.26	0.41
1:3K:200:ILE:HG22	1:3K:216:LYS:HD3	2.02	0.41
1:3L:306:LEU:HB3	1:3L:327:TRP:HB2	2.02	0.41
1:4H:12:LEU:O	1:4H:14:ILE:N	2.54	0.41
1:4H:419:ASP:OD1	1:4H:419:ASP:C	2.64	0.41
1:4I:355:SER:CB	1:4I:356:PRO:CD	2.98	0.41
1:4J:203:PRO:O	1:4J:204:THR:HB	2.21	0.41
1:5K:111:ASP:OD1	1:5K:111:ASP:C	2.63	0.41
1:6G:5:PHE:N	1:6G:5:PHE:CD1	2.89	0.41
1:6H:145:GLN:HG2	1:6H:319:TYR:HB3	2.02	0.41
1:6I:419:ASP:OD1	1:6I:419:ASP:C	2.63	0.41
1:6J:92:PRO:O	1:6J:93:LEU:C	2.64	0.41
1:6K:226:LEU:HA	1:6K:227:PRO:HD3	1.84	0.41
1:7F:266:LYS:O	1:7F:270:MET:N	2.54	0.41
1:8H:314:ASN:OD1	1:8H:314:ASN:C	2.62	0.41
1:8J:202:GLU:HG2	1:8J:343:SER:OG	2.21	0.41
1:8L:355:SER:HB3	1:8L:356:PRO:HD3	2.03	0.41
1:8L:399:ASP:OD1	1:8L:399:ASP:C	2.63	0.41
1:9B:391:SER:OG	1:9B:392:THR:N	2.53	0.41
1:1M:314:ASN:OD1	1:1M:314:ASN:C	2.64	0.41
1:1N:28:GLN:HG3	1:1N:29:GLY:H	1.86	0.41
1:1N:333:SER:OG	1:1N:334:ARG:O	2.38	0.41
1:1O:446:ALA:CA	2:1o:44:VAL:HG23	2.48	0.41
1:1P:76:GLN:NE2	1:1P:76:GLN:HA	2.36	0.41
1:1R:58:GLN:O	1:1R:58:GLN:HG2	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1R:419:ASP:C	1:1R:419:ASP:OD1	2.63	0.41
1:2M:392:THR:CA	2:2k:46:ASP:OD2	2.57	0.41
1:2O:446:ALA:HB2	2:2n:19:LEU:CD1	2.51	0.41
1:2O:447:GLN:CG	2:2n:42:VAL:HG13	2.50	0.41
1:3N:406:GLY:O	1:3N:407:ASN:HB2	2.21	0.41
1:3O:94:GLY:O	1:3O:95:ARG:CB	2.69	0.41
1:3O:96:THR:HA	1:3O:132:HIS:O	2.20	0.41
1:3P:111:ASP:OD1	1:3P:111:ASP:C	2.63	0.41
1:3P:355:SER:HB2	1:3P:356:PRO:HD3	2.03	0.41
1:3R:275:PHE:O	1:3R:276:LEU:HB2	2.20	0.41
1:4N:33:LYS:O	1:4N:34:SER:OG	2.35	0.41
1:4O:334:ARG:O	1:4O:335:PHE:HB2	2.21	0.41
1:4R:145:GLN:HG2	1:4R:319:TYR:HB3	2.03	0.41
1:5M:203:PRO:O	1:5M:204:THR:C	2.63	0.41
1:5M:397:THR:O	1:5M:399:ASP:N	2.54	0.41
1:5O:226:LEU:HA	1:5O:227:PRO:HD3	1.84	0.41
1:5Q:116:GLU:HG3	1:5Q:117:GLN:HG3	2.03	0.41
1:5R:355:SER:CB	1:5R:356:PRO:CD	2.99	0.41
1:5R:428:LEU:C	1:5R:428:LEU:CD1	2.94	0.41
1:5R:443:SER:HA	2:5j:45:LYS:HD2	1.98	0.41
1:6O:355:SER:CB	1:6O:356:PRO:CD	2.98	0.41
1:6R:111:ASP:C	1:6R:111:ASP:OD1	2.63	0.41
1:7K:6:ASN:OD1	1:7K:6:ASN:C	2.63	0.41
1:7K:266:LYS:O	1:7K:270:MET:N	2.54	0.41
1:7K:448:ALA:N	2:7n:41:TYR:HE1	2.14	0.41
1:7L:444:GLY:CA	2:7l:45:LYS:CE	2.97	0.41
1:8R:399:ASP:OD1	1:8R:399:ASP:C	2.63	0.41
1:1V:21:VAL:HG12	1:1V:22:ASN:H	1.85	0.41
1:1V:355:SER:HB2	1:1V:356:PRO:HD2	2.03	0.41
1:2Q:59:ASN:ND2	1:3c:151:THR:OG1	2.53	0.41
1:2T:447:GLN:N	2:2s:42:VAL:O	2.54	0.41
1:3T:423:GLU:OE1	1:3T:423:GLU:N	2.36	0.41
1:3U:447:GLN:CG	2:3t:44:VAL:CG2	2.86	0.41
1:3V:355:SER:HB2	1:3V:356:PRO:HD3	2.03	0.41
1:5T:319:TYR:CD1	1:5T:319:TYR:C	2.99	0.41
1:5W:55:GLN:O	1:5W:56:THR:C	2.64	0.41
1:6S:5:PHE:N	1:6S:5:PHE:CD1	2.89	0.41
1:6S:202:GLU:HA	1:6S:203:PRO:HD3	1.56	0.41
1:6W:446:ALA:N	2:6r:44:VAL:HG23	2.36	0.41
1:7S:447:GLN:HG3	2:7o:44:VAL:CG2	2.50	0.41
1:7T:224:LEU:HD22	1:7T:337:ASN:HB3	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8U:423:GLU:H	1:8U:423:GLU:CD	2.26	0.41
1:8V:202:GLU:HG2	1:8V:343:SER:OG	2.21	0.41
1:8V:412:LEU:HB2	1:8V:435:VAL:HB	2.02	0.41
1:9D:445:GLY:HA3	2:9I:53:THR:HG23	2.03	0.41
1:9D:446:ALA:O	2:9I:55:VAL:C	2.58	0.41
1:1Z:444:GLY:O	2:1v:44:VAL:HG21	2.19	0.41
1:1a:137:GLN:O	1:1a:137:GLN:CG	2.62	0.41
1:1a:343:SER:OG	1:1a:344:GLY:N	2.52	0.41
1:1c:202:GLU:N	1:1c:203:PRO:HD3	2.35	0.41
1:1c:203:PRO:CG	1:1c:213:PHE:HB2	2.51	0.41
1:2U:31:ASN:HB3	1:2Y:286:ALA:HA	2.03	0.41
1:2U:362:LYS:HA	1:2U:438:ARG:HB2	2.03	0.41
1:2V:394:THR:HA	2:2v:16:TYR:HE1	1.86	0.41
1:2W:319:TYR:CD1	1:2W:319:TYR:C	2.98	0.41
1:2X:355:SER:CB	1:2X:356:PRO:CD	2.99	0.41
1:2Y:448:ALA:C	2:2x:60:LEU:HD12	2.45	0.41
1:4Y:396:ILE:O	1:4Y:396:ILE:HG23	2.19	0.41
1:4Z:201:ASP:HB2	1:4Z:343:SER:HA	2.03	0.41
1:5Y:356:PRO:O	1:5Y:357:ASN:HB2	2.21	0.41
1:5Y:397:THR:O	1:5Y:399:ASP:N	2.54	0.41
1:5d:392:THR:CG2	2:5n:107:LEU:HG	2.51	0.41
1:7U:6:ASN:OD1	1:7U:6:ASN:C	2.63	0.41
1:7U:145:GLN:HG2	1:7U:319:TYR:HB3	2.01	0.41
1:7U:266:LYS:O	1:7U:270:MET:N	2.54	0.41
1:7U:355:SER:CB	1:7U:356:PRO:HD3	2.50	0.41
1:7W:7:ASP:OD1	1:7W:7:ASP:C	2.64	0.41
1:7W:151:THR:O	1:7W:151:THR:HG22	2.21	0.41
1:7W:406:GLY:C	2:7u:45:LYS:HE2	2.46	0.41
1:7W:446:ALA:N	2:7u:54:GLN:O	2.42	0.41
1:8b:412:LEU:HB2	1:8b:435:VAL:HB	2.02	0.41
1:8c:355:SER:O	1:8c:356:PRO:C	2.63	0.41
1:8d:116:GLU:O	1:8d:117:GLN:HB2	2.21	0.41
2:1e:108:VAL:O	2:1e:108:VAL:HG13	2.20	0.41
2:1e:111:VAL:HG22	2:2Z:57:MET:SD	2.60	0.41
2:1f:227:GLY:HA3	2:2a:223:ARG:NH1	2.36	0.41
2:1g:113:SER:O	2:1g:114:ARG:HD2	2.21	0.41
2:1g:132:GLY:HA3	2:3g:135:LEU:O	2.21	0.41
2:1g:148[A]:ILE:HD13	2:3g:148[A]:ILE:HD13	2.02	0.41
2:1h:173:LEU:CB	2:2t:157:LEU:HD12	2.50	0.41
2:1h:242:LEU:HD22	2:2t:244:GLY:C	2.46	0.41
2:2a:242:LEU:CB	2:3f:234:LEU:HD21	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2b:244:GLY:HA2	2:3e:243:GLY:N	2.29	0.41
2:2b:244:GLY:C	2:3e:242:LEU:CD2	2.91	0.41
2:2b:278:ILE:HD13	2:3e:278:ILE:O	2.21	0.41
2:2c:27:ILE:CA	2:3l:73:VAL:HG11	2.48	0.41
2:2c:186:ALA:HA	2:4f:199:LEU:HD13	2.03	0.41
2:2d:215:THR:H	2:2d:218:ASN:ND2	2.18	0.41
2:2d:269:LEU:CD1	2:3k:279:ILE:HD13	2.51	0.41
2:3e:73:VAL:HG13	2:4e:28:ILE:HB	2.03	0.41
2:3e:91:PRO:O	2:3e:92:SER:CB	2.69	0.41
2:3e:245:VAL:HG23	2:4e:237:ALA:CB	2.51	0.41
2:3f:108:VAL:O	2:3f:108:VAL:HG13	2.19	0.41
2:3g:66:ILE:O	2:3g:66:ILE:HG23	2.21	0.41
2:3h:108:VAL:O	2:3h:108:VAL:HG13	2.20	0.41
2:4e:38:ILE:CD1	2:4e:114:ARG:HH22	2.29	0.41
2:4e:97:TYR:OH	2:4e:111:VAL:HB	2.15	0.41
2:4f:91:PRO:O	2:4f:92:SER:CB	2.69	0.41
2:5e:200:LEU:C	2:6g:193:LYS:CD	2.93	0.41
2:5f:223:ARG:CD	2:6v:226:ILE:O	2.67	0.41
2:6e:28:ILE:HD13	2:7g:97:TYR:CE1	2.54	0.41
2:6e:120:ILE:HD13	2:7g:120:ILE:CD1	2.51	0.41
2:6f:200:LEU:HD11	2:7f:200:LEU:CD2	2.51	0.41
2:6f:244:GLY:HA3	2:7f:243:GLY:N	2.36	0.41
2:6g:91:PRO:O	2:6g:92:SER:CB	2.69	0.41
2:6h:154:ALA:HB1	2:8j:158[B]:ILE:HA	2.03	0.41
2:6h:267:ASN:HD21	2:8j:254:SER:C	2.18	0.41
2:7a:228:ALA:CA	2:6v:229:GLY:O	2.69	0.41
2:7c:232:TYR:CD2	2:8j:232:TYR:CE2	3.08	0.41
2:7c:250:ALA:CB	2:8j:281:LEU:O	2.68	0.41
2:7d:179:ASN:ND2	2:7d:192:ASN:HD22	2.11	0.41
2:8e:198:GLN:O	2:9F:193:LYS:NZ	2.54	0.41
2:8e:259:VAL:CG1	2:9F:258:ASP:C	2.80	0.41
2:8e:278:ILE:HG23	2:9F:278:ILE:HG23	1.89	0.41
2:8f:113:SER:O	2:8f:114:ARG:HD2	2.21	0.41
2:8i:38:ILE:CD1	2:8i:114:ARG:HH22	2.29	0.41
2:8j:66:ILE:O	2:8j:66:ILE:HG23	2.20	0.41
2:9F:127:ASP:OD1	2:9O:121[A]:GLU:HA	2.21	0.41
2:1i:174:LEU:HD11	2:2e:174:LEU:HD22	2.03	0.41
2:1j:223:ARG:HA	2:3j:226:ILE:HD12	2.02	0.41
2:1j:227:GLY:HA3	2:2f:223:ARG:NH1	2.36	0.41
2:1k:113:SER:O	2:1k:114:ARG:HD2	2.21	0.41
2:1k:215:THR:H	2:1k:218:ASN:ND2	2.17	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1k:266:LEU:CD2	2:3k:262:ALA:O	2.64	0.41
2:1k:269:LEU:CG	2:3k:269:LEU:HD23	2.20	0.41
2:1l:91:PRO:O	2:1l:92:SER:CB	2.69	0.41
2:2e:160:GLY:HA2	2:1p:173:LEU:HD22	2.02	0.41
2:2g:197:GLN:CG	2:3i:200:LEU:O	2.63	0.41
2:2h:90:ASP:HA	2:2h:91:PRO:HD3	1.95	0.41
2:2h:251:VAL:HG11	2:4h:279:ILE:HD12	1.91	0.41
2:3l:113:SER:O	2:3l:114:ARG:HD2	2.21	0.41
2:4g:38:ILE:CD1	2:4g:114:ARG:HH22	2.29	0.41
2:4g:97:TYR:OH	2:4g:111:VAL:CB	2.69	0.41
2:4g:179:ASN:ND2	2:4g:192:ASN:HD22	2.11	0.41
2:4h:66:ILE:O	2:4h:66:ILE:HG23	2.20	0.41
2:4h:179:ASN:ND2	2:4h:192:ASN:HD22	2.11	0.41
2:5g:199:LEU:HD13	2:6k:186:ALA:HA	2.02	0.41
2:6i:66:ILE:O	2:6i:66:ILE:HG23	2.20	0.41
2:6i:120:ILE:HD13	2:7l:120:ILE:CD1	2.51	0.41
2:6i:259:VAL:N	2:8o:259:VAL:HG22	2.35	0.41
2:6j:97:TYR:CZ	2:6j:111:VAL:CB	2.82	0.41
2:6j:97:TYR:OH	2:6j:111:VAL:CB	2.69	0.41
2:6j:108:VAL:O	2:6j:108:VAL:HG13	2.19	0.41
2:6j:113:SER:O	2:6j:114:ARG:HD2	2.21	0.41
2:6j:141:PRO:HB2	2:7k:150:GLU:CD	2.45	0.41
2:6j:226:ILE:CG2	2:5j:222:LEU:HB2	2.48	0.41
2:6j:242:LEU:HD23	2:5j:245:VAL:N	2.36	0.41
2:6k:59:PRO:HG2	2:7e:59:PRO:O	2.20	0.41
2:6k:66:ILE:O	2:6k:66:ILE:HG23	2.21	0.41
2:6k:91:PRO:O	2:6k:92:SER:CB	2.69	0.41
2:7e:53:THR:OG1	2:7e:54:GLN:N	2.51	0.41
2:7f:53:THR:OG1	2:7f:54:GLN:N	2.51	0.41
2:7h:251:VAL:HG11	2:8p:279:ILE:HD13	1.86	0.41
2:8k:148[A]:ILE:CD1	2:9G:148[A]:ILE:CD1	2.88	0.41
2:8k:199:LEU:O	2:9G:193:LYS:HG2	2.21	0.41
2:8k:259:VAL:CG1	2:9G:258:ASP:C	2.80	0.41
2:8k:274:LYS:NZ	2:9G:251:VAL:H	2.19	0.41
2:8m:57:MET:SD	2:8q:111:VAL:CG1	3.09	0.41
2:8m:242:LEU:HD23	2:8q:246:LYS:CA	2.50	0.41
2:8n:225:MET:CG	2:7n:209:LEU:HD12	2.46	0.41
2:8o:97:TYR:OH	2:8o:111:VAL:CB	2.69	0.41
2:8p:66:ILE:O	2:8p:66:ILE:HG23	2.20	0.41
2:1m:91:PRO:O	2:1m:92:SER:HB3	2.19	0.41
2:1m:108:VAL:O	2:1m:108:VAL:HG13	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1m:138:ILE:O	2:2j:129:GLY:HA3	2.21	0.41
2:1m:183:PHE:CE1	2:2j:199:LEU:CB	3.04	0.41
2:1o:237:ALA:CB	2:3o:245:VAL:O	2.54	0.41
2:2j:219:LYS:HG2	2:1t:226:ILE:CA	2.48	0.41
2:2k:226:ILE:HB	2:3n:222:LEU:C	2.45	0.41
2:2k:242:LEU:HA	2:3n:245:VAL:H	1.75	0.41
2:3m:66:ILE:O	2:3m:66:ILE:HG23	2.20	0.41
2:3m:219:LYS:CG	2:4i:225:MET:O	2.66	0.41
2:3n:91:PRO:O	2:3n:92:SER:CB	2.67	0.41
2:3n:97:TYR:OH	2:3n:111:VAL:CB	2.69	0.41
2:3o:41:TYR:OH	2:3o:57:MET:SD	2.76	0.41
2:5i:97:TYR:OH	2:5i:111:VAL:CB	2.69	0.41
2:5i:147:ILE:O	2:6o:141:PRO:HB3	2.20	0.41
2:5i:278:ILE:HG23	2:6o:278:ILE:HD11	1.98	0.41
2:6m:259:VAL:N	2:8u:259:VAL:HG22	2.35	0.41
2:6n:97:TYR:OH	2:6n:111:VAL:CB	2.69	0.41
2:6n:108:VAL:O	2:6n:108:VAL:HG13	2.19	0.41
2:6n:141:PRO:HB2	2:7p:150:GLU:CD	2.45	0.41
2:6n:174:LEU:CD1	2:7p:174:LEU:HD22	2.51	0.41
2:6n:200:LEU:HD11	2:7p:200:LEU:CD2	2.51	0.41
2:6n:273:LEU:CD2	2:7p:279:ILE:HG22	2.51	0.41
2:6p:120:ILE:CD1	2:8v:120:ILE:CD1	2.97	0.41
2:7k:215:THR:H	2:7k:218:ASN:ND2	2.18	0.41
2:7m:138:ILE:O	2:8v:132:GLY:N	2.37	0.41
2:8q:91:PRO:O	2:8q:92:SER:CB	2.69	0.41
2:8q:125:ILE:HD13	2:9H:125:ILE:HD11	2.02	0.41
2:8q:176:SER:HB2	2:9H:164:ASN:OD1	2.21	0.41
2:8q:232:TYR:HB2	2:9H:232:TYR:N	2.36	0.41
2:8q:274:LYS:NZ	2:9H:251:VAL:N	2.68	0.41
2:8s:242:LEU:HD23	2:8w:246:LYS:CA	2.50	0.41
2:8s:242:LEU:HD22	2:8w:245:VAL:C	2.46	0.41
2:8s:270:ILE:HG21	2:8w:253:ALA:CA	2.50	0.41
2:8s:273:LEU:HD21	2:9I:279:ILE:HG22	2.03	0.41
2:8t:57:MET:HE2	2:7s:111:VAL:HG13	2.02	0.41
2:8u:97:TYR:OH	2:8u:111:VAL:CB	2.69	0.41
2:8u:215:THR:H	2:8u:218:ASN:ND2	2.17	0.41
2:1q:73:VAL:HG11	2:2o:27:ILE:CA	2.44	0.41
2:1q:113:SER:O	2:1q:114:ARG:HD2	2.21	0.41
2:1q:222:LEU:HB2	2:2o:226:ILE:CB	2.49	0.41
2:1s:132:GLY:HA3	2:3s:135:LEU:O	2.21	0.41
2:1s:232:TYR:HB2	2:3s:232:TYR:HB3	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1s:270:ILE:HA	2:3s:269:LEU:HD13	2.02	0.41
2:1t:91:PRO:O	2:1t:92:SER:CB	2.69	0.41
2:2p:243:GLY:H	2:3r:244:GLY:CA	2.26	0.41
2:2p:279:ILE:CG2	2:3r:273:LEU:HD21	2.50	0.41
2:2q:201:VAL:HG21	2:4k:210:LEU:HD22	2.03	0.41
2:2q:238:THR:O	2:4k:246:LYS:HA	2.20	0.41
2:2q:278:ILE:HD13	2:3q:278:ILE:O	2.21	0.41
2:2r:239:THR:HB	2:3x:247:LYS:O	1.63	0.41
2:3q:236:ALA:N	2:4k:242:LEU:CD1	2.79	0.41
2:3t:97:TYR:OH	2:3t:111:VAL:CB	2.69	0.41
2:4k:108:VAL:O	2:4k:108:VAL:HG13	2.19	0.41
2:5k:97:TYR:OH	2:5k:111:VAL:CB	2.69	0.41
2:5k:111:VAL:HG22	2:7o:57:MET:CG	2.51	0.41
2:5k:136:LEU:HD21	2:7o:125:ILE:HD13	2.02	0.41
2:5l:242:LEU:HD23	2:7p:245:VAL:C	2.46	0.41
2:6q:136:LEU:HD13	2:9K:136:LEU:HD22	2.03	0.41
2:6r:97:TYR:OH	2:6r:111:VAL:CB	2.69	0.41
2:6r:244:GLY:HA3	2:7u:243:GLY:N	2.36	0.41
2:6t:113:SER:O	2:6t:114:ARG:HD2	2.21	0.41
2:6t:199:LEU:O	2:9L:188:THR:OG1	2.35	0.41
2:7r:135:LEU:O	2:9L:132:GLY:CA	2.68	0.41
2:7s:215:THR:H	2:7s:218:ASN:ND2	2.18	0.41
2:8w:183:PHE:CG	2:9I:183:PHE:HZ	2.34	0.41
2:8w:199:LEU:O	2:9I:193:LYS:HG2	2.21	0.41
2:8w:242:LEU:HD21	2:9I:236:ALA:HB2	1.96	0.41
2:8w:274:LYS:NZ	2:9I:251:VAL:H	2.19	0.41
2:8x:97:TYR:OH	2:8x:111:VAL:CB	2.69	0.41
2:8x:113:SER:O	2:8x:114:ARG:HD2	2.21	0.41
2:8y:57:MET:SD	2:9M:111:VAL:CG1	3.09	0.41
2:8y:183:PHE:CE1	2:9J:199:LEU:CB	3.04	0.41
2:8y:242:LEU:HD22	2:9M:245:VAL:C	2.46	0.41
2:9K:41:TYR:CD2	2:9K:57:MET:HE1	2.48	0.41
2:1u:183:PHE:CE1	2:2t:199:LEU:CB	3.04	0.41
2:1u:222:LEU:HB2	2:2t:226:ILE:CB	2.49	0.41
2:1w:266:LEU:CG	2:3w:265:ASP:C	2.88	0.41
2:2u:180:VAL:HG11	2:3v:184:LEU:HD23	2.02	0.41
2:2u:279:ILE:CG2	2:3v:273:LEU:HD21	2.50	0.41
2:2v:246:LYS:CB	2:3u:238:THR:O	2.64	0.41
2:3v:108:VAL:O	2:3v:108:VAL:HG13	2.19	0.41
2:3w:91:PRO:O	2:3w:92:SER:CB	2.69	0.41
2:3x:97:TYR:OH	2:3x:111:VAL:CB	2.69	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4m:97:TYR:OH	2:4m:111:VAL:CB	2.69	0.41
2:6x:120:ILE:CD1	2:7w:120:ILE:HD11	2.29	0.41
2:6x:232:TYR:HD2	2:7w:232:TYR:CE1	2.38	0.41
2:6x:245:VAL:HG22	2:7w:245:VAL:HG13	2.02	0.41
2:6x:277:GLY:C	2:9R:247:LYS:HE3	2.45	0.41
2:7t:90:ASP:HA	2:7t:91:PRO:HD3	1.95	0.41
2:7w:61:ALA:HB1	2:9R:57:MET:HB3	2.03	0.41
2:9M:232:TYR:HB2	2:9J:232:TYR:N	2.36	0.41
2:9M:273:LEU:HB2	2:9J:273:LEU:HD21	1.95	0.41
2:9M:274:LYS:NZ	2:9J:251:VAL:N	2.68	0.41
2:9N:97:TYR:OH	2:9N:111:VAL:CB	2.69	0.41
2:9Q:215:THR:H	2:9Q:218:ASN:ND2	2.17	0.41
1:1C:420:ILE:HB	1:1C:427:LYS:HB2	2.03	0.41
1:1E:97:ILE:HB	1:1E:132:HIS:HB2	2.03	0.41
1:1E:128:LYS:NZ	1:1E:355:SER:O	2.53	0.41
1:2C:355:SER:CB	1:2C:356:PRO:CD	2.99	0.41
1:3C:306:LEU:HB3	1:3C:327:TRP:HB2	2.01	0.41
1:4A:358:ILE:O	1:4A:358:ILE:HG23	2.20	0.41
1:4E:142:GLN:NE2	1:4E:142:GLN:HA	2.36	0.41
1:5B:136:ARG:HD3	1:5B:328:GLN:HG2	2.03	0.41
1:5D:145:GLN:HG2	1:5D:319:TYR:HB3	2.02	0.41
1:5E:18:TYR:CD1	1:5E:18:TYR:C	2.99	0.41
1:5E:55:GLN:O	1:5E:56:THR:C	2.64	0.41
1:6A:5:PHE:N	1:6A:5:PHE:CD1	2.89	0.41
1:8C:111:ASP:OD1	1:8C:111:ASP:C	2.63	0.41
1:1G:314:ASN:OD1	1:1G:314:ASN:C	2.64	0.41
1:1H:399:ASP:O	1:1H:400:GLY:C	2.64	0.41
1:1I:422:THR:OG1	1:1I:423:GLU:N	2.54	0.41
1:3L:446:ALA:HB3	2:3i:55:VAL:HG22	2.02	0.41
1:4I:135:ASN:OD1	1:4I:135:ASN:N	2.51	0.41
1:4K:199:LYS:HB3	1:4K:202:GLU:CG	2.51	0.41
1:5I:226:LEU:HA	1:5I:227:PRO:HD3	1.85	0.41
1:5I:405:SER:OG	1:5I:406:GLY:N	2.47	0.41
1:6H:234:ASN:OD1	1:6H:234:ASN:O	2.39	0.41
1:6I:36:VAL:HB	1:6I:37:PRO:HD3	2.03	0.41
1:1Q:97:ILE:HB	1:1Q:132:HIS:HB2	2.03	0.41
1:2K:145:GLN:HG2	1:2K:319:TYR:HB3	2.03	0.41
1:3M:377:ASN:OD1	1:3M:377:ASN:C	2.63	0.41
1:3R:355:SER:CB	1:3R:356:PRO:CD	2.99	0.41
1:4N:134:ARG:HH11	1:4N:134:ARG:HG2	1.86	0.41
1:4N:202:GLU:HA	1:4N:203:PRO:HD2	1.88	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4O:319:TYR:CD1	1:4O:319:TYR:C	2.99	0.41
1:5M:356:PRO:O	1:5M:357:ASN:HB2	2.21	0.41
1:8O:268:PHE:O	1:8O:269:ASN:HB2	2.21	0.41
1:8O:372:TYR:CD2	1:8O:372:TYR:N	2.88	0.41
1:8R:445:GLY:HA2	2:8s:45:LYS:CB	2.47	0.41
1:1V:21:VAL:HG12	1:1V:22:ASN:N	2.37	0.41
1:1V:76:GLN:NE2	1:1V:76:GLN:HA	2.36	0.41
1:2R:407:ASN:HB2	2:2p:45:LYS:CG	2.37	0.41
1:3S:81:ASN:HA	1:3S:82:PRO:HD2	1.94	0.41
1:3U:447:GLN:HB2	2:3t:42:VAL:HG12	2.00	0.41
1:3V:4:THR:O	1:3V:5:PHE:HB2	2.21	0.41
1:4V:190:TYR:CD2	1:4V:190:TYR:C	2.99	0.41
1:4W:142:GLN:HA	1:4W:142:GLN:NE2	2.36	0.41
1:5W:110:TYR:CD2	1:5W:110:TYR:C	2.99	0.41
1:5X:355:SER:CB	1:5X:356:PRO:CD	2.98	0.41
1:5X:391:SER:OG	1:5X:392:THR:N	2.49	0.41
1:7T:135:ASN:OD1	1:7T:135:ASN:N	2.51	0.41
1:8V:444:GLY:O	2:9K:53:THR:OG1	2.36	0.41
1:8W:355:SER:O	1:8W:356:PRO:C	2.63	0.41
1:1Y:76:GLN:O	1:1Y:76:GLN:HG2	2.19	0.41
1:1a:447:GLN:HA	2:1w:42:VAL:CG1	2.51	0.41
1:1b:445:GLY:H	2:1x:44:VAL:HG23	1.87	0.41
1:2Y:357:ASN:C	1:2Y:358:ILE:CG1	2.94	0.41
1:4Z:12:LEU:O	1:4Z:14:ILE:N	2.54	0.41
1:4c:199:LYS:HB3	1:4c:202:GLU:CG	2.51	0.41
1:5Z:319:TYR:CD1	1:5Z:319:TYR:C	2.99	0.41
1:7X:392:THR:CB	2:7t:46:ASP:OD2	2.54	0.41
1:7Y:36:VAL:N	1:7Y:37:PRO:HD2	2.36	0.41
1:8b:314:ASN:OD1	1:8b:314:ASN:C	2.64	0.41
1:8d:355:SER:HB3	1:8d:356:PRO:HD3	2.03	0.41
2:1g:150:GLU:HG3	2:3g:145:ARG:HH12	1.85	0.41
2:1h:173:LEU:HD22	2:2t:160:GLY:HA2	2.02	0.41
2:1h:226:ILE:O	2:2t:223:ARG:NH1	2.54	0.41
2:1h:226:ILE:HD12	2:2t:223:ARG:N	2.36	0.41
2:2a:226:ILE:CD1	2:3f:226:ILE:HG12	2.51	0.41
2:2a:279:ILE:CG2	2:3f:273:LEU:HD21	2.50	0.41
2:3g:150:GLU:OE1	2:2x:141:PRO:HB2	2.21	0.41
2:3g:279:ILE:HD13	2:2x:269:LEU:CD1	2.51	0.41
2:3h:57:MET:HB3	2:4n:61:ALA:CB	2.41	0.41
2:5e:113:SER:O	2:5e:114:ARG:HD2	2.21	0.41
2:6e:242:LEU:HD22	2:7g:244:GLY:O	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6f:174:LEU:CD1	2:7f:174:LEU:HD22	2.51	0.41
2:7a:243:GLY:N	2:6v:244:GLY:HA3	2.36	0.41
2:9F:199:LEU:HD12	2:9O:183:PHE:CZ	2.52	0.41
2:1l:76:ASN:HD21	2:1l:116:LYS:HD3	1.78	0.41
2:2e:175:PHE:CZ	2:1p:175:PHE:HZ	2.39	0.41
2:2f:242:LEU:CB	2:3j:234:LEU:HD21	2.51	0.41
2:2h:200:LEU:HD11	2:3p:200:LEU:CD2	2.50	0.41
2:2i:141:PRO:HB2	2:3o:150:GLU:OE1	2.21	0.41
2:3k:91:PRO:O	2:3k:92:SER:CB	2.69	0.41
2:5h:242:LEU:HD23	2:7f:245:VAL:C	2.46	0.41
2:6j:111:VAL:CG1	2:7k:57:MET:HE2	2.51	0.41
2:7f:179:ASN:ND2	2:7f:192:ASN:HD22	2.11	0.41
2:7h:148[A]:ILE:HD13	2:8p:148[A]:ILE:HD13	2.03	0.41
2:8m:222:LEU:CD1	2:9H:226:ILE:CG2	2.60	0.41
2:8m:242:LEU:HD22	2:8q:245:VAL:C	2.46	0.41
2:8n:91:PRO:O	2:8n:92:SER:CB	2.69	0.41
2:1p:76:ASN:HD21	2:1p:116:LYS:CG	2.34	0.41
2:2j:197:GLN:HG3	2:1t:200:LEU:O	2.20	0.41
2:2k:226:ILE:CD1	2:3n:226:ILE:HG12	2.51	0.41
2:2k:242:LEU:CB	2:3n:234:LEU:HD21	2.51	0.41
2:2m:200:LEU:HD11	2:3t:200:LEU:CD2	2.50	0.41
2:2m:247:LYS:HE2	2:4j:280:SER:HA	2.02	0.41
2:2n:120:ILE:HG13	2:3s:125:ILE:HA	2.03	0.41
2:3m:219:LYS:CG	2:4i:226:ILE:HA	2.47	0.41
2:3o:66:ILE:O	2:3o:66:ILE:HG23	2.21	0.41
2:3o:91:PRO:O	2:3o:92:SER:CB	2.69	0.41
2:5i:108:VAL:O	2:5i:108:VAL:HG13	2.19	0.41
2:6m:251:VAL:HG22	2:8u:270:ILE:CG2	2.51	0.41
2:6o:226:ILE:C	2:7j:219:LYS:CB	2.93	0.41
2:6o:280:SER:OG	2:7j:248:GLY:O	2.37	0.41
2:6p:148[B]:ILE:HD13	2:7m:148[B]:ILE:CD1	2.51	0.41
2:6p:263:VAL:HG13	2:8v:254:SER:CB	2.51	0.41
2:8q:274:LYS:NZ	2:9H:251:VAL:H	2.19	0.41
2:8s:183:PHE:CE1	2:9I:199:LEU:CB	3.04	0.41
2:8s:267:ASN:OD1	2:8w:253:ALA:CB	2.63	0.41
2:8t:226:ILE:CG2	2:7s:222:LEU:HB3	2.50	0.41
2:1s:38:ILE:HD11	2:1s:114:ARG:CZ	2.34	0.41
2:2p:180:VAL:HG11	2:3r:184:LEU:HD23	2.02	0.41
2:2p:242:LEU:CB	2:3r:234:LEU:HD21	2.51	0.41
2:2q:239:THR:CA	2:4k:247:LYS:HB3	2.50	0.41
2:2s:171:GLN:HG2	2:3w:175:PHE:HE1	1.81	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:171:GLN:CG	2:3w:175:PHE:CE1	2.99	0.41
2:5k:183:PHE:CD2	2:6s:183:PHE:HE2	2.39	0.41
2:6q:120:ILE:HD13	2:7v:120:ILE:CD1	2.51	0.41
2:6r:214:PRO:CG	2:7u:225:MET:CG	2.99	0.41
2:6t:148[B]:ILE:HD13	2:7r:148[B]:ILE:CD1	2.51	0.41
2:6t:245:VAL:HG22	2:7r:245:VAL:HG13	2.02	0.41
2:8w:198:GLN:C	2:9I:193:LYS:HE3	2.46	0.41
2:8y:232:TYR:CE2	2:9J:232:TYR:CZ	3.09	0.41
2:9I:53:THR:OG1	2:9I:54:GLN:N	2.51	0.41
2:1u:200:LEU:HD13	2:2t:200:LEU:CG	2.39	0.41
2:2v:278:ILE:HD13	2:3u:278:ILE:O	2.21	0.41
2:4n:179:ASN:ND2	2:4n:192:ASN:HD22	2.11	0.41
2:5m:263:VAL:HG22	2:6w:256:ALA:CB	2.18	0.41
2:5n:91:PRO:O	2:5n:92:SER:CB	2.69	0.41
2:6x:97:TYR:OH	2:6x:111:VAL:CB	2.69	0.41
2:6x:108:VAL:O	2:6x:108:VAL:HG13	2.19	0.41
1:1C:444:GLY:N	2:1g:45:LYS:HZ1	2.07	0.40
1:1F:291:GLU:O	1:1F:292:ALA:HB3	2.20	0.40
1:2B:25:ARG:NH2	2:3k:51:ASP:OD1	2.48	0.40
1:3C:142:GLN:NE2	1:3C:142:GLN:HA	2.35	0.40
1:4E:274:ASP:OD1	1:4E:274:ASP:C	2.63	0.40
1:5E:201:ASP:HB2	1:5E:343:SER:HB2	2.02	0.40
1:6B:234:ASN:OD1	1:6B:234:ASN:O	2.39	0.40
1:6F:111:ASP:C	1:6F:111:ASP:OD1	2.63	0.40
1:8A:425:LYS:O	1:8A:425:LYS:HG3	2.21	0.40
1:8E:312:VAL:CG2	1:7H:315:PRO:HG3	2.51	0.40
1:1J:447:GLN:HB2	2:1l:44:VAL:HG11	2.02	0.40
1:2H:236:MET:O	1:2H:237:ALA:HB3	2.20	0.40
1:3G:95:ARG:O	1:3G:96:THR:CB	2.70	0.40
1:5H:7:ASP:OD1	1:5H:7:ASP:C	2.64	0.40
1:5I:291:GLU:O	1:5I:292:ALA:HB3	2.20	0.40
1:5L:355:SER:CB	1:5L:356:PRO:CD	2.99	0.40
1:6K:95:ARG:HB2	1:5N:151:THR:HG23	2.02	0.40
1:6L:7:ASP:OD1	1:6L:7:ASP:C	2.64	0.40
1:7J:226:LEU:HA	1:7J:227:PRO:HD3	1.94	0.40
1:8K:230:SER:OG	1:8K:231:ARG:N	2.45	0.40
1:1Q:203:PRO:CG	1:1Q:213:PHE:HB2	2.51	0.40
1:2K:446:ALA:HA	2:2m:42:VAL:O	2.21	0.40
1:2L:357:ASN:HA	1:2L:433:ALA:HB2	2.03	0.40
1:3N:111:ASP:OD1	1:3N:111:ASP:C	2.64	0.40
1:3O:242:SER:OG	1:3O:243:TYR:N	2.55	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5P:145:GLN:HG2	1:5P:319:TYR:HB3	2.02	0.40
1:5Q:110:TYR:CD2	1:5Q:110:TYR:C	2.99	0.40
1:5R:443:SER:OG	2:5j:53:THR:OG1	2.31	0.40
1:7K:270:MET:C	1:7K:270:MET:SD	3.05	0.40
1:7K:444:GLY:N	2:7n:45:LYS:HZ2	2.01	0.40
1:7N:53:ILE:O	1:7N:54:ASN:HB2	2.21	0.40
1:7N:392:THR:CG2	2:7j:46:ASP:OD2	2.64	0.40
1:7O:287:SER:OG	1:7O:288:THR:N	2.43	0.40
1:8P:393:GLY:HA3	2:8u:16:TYR:OH	2.21	0.40
1:1S:314:ASN:OD1	1:1S:314:ASN:C	2.64	0.40
1:2Q:419:ASP:OD1	1:2Q:419:ASP:C	2.63	0.40
1:2T:357:ASN:C	1:2T:358:ILE:CG1	2.94	0.40
1:3S:111:ASP:O	1:3S:112:ALA:HB3	2.22	0.40
1:4T:396:ILE:HD13	1:4T:396:ILE:HG21	1.87	0.40
1:4W:202:GLU:O	1:4W:203:PRO:O	2.39	0.40
1:5S:112:ALA:HA	1:5S:115:ALA:HB3	2.03	0.40
1:5T:154:VAL:O	1:5T:155:SER:HB3	2.21	0.40
1:6T:446:ALA:HB1	2:6s:41:TYR:HB3	2.03	0.40
1:6V:111:ASP:C	1:6V:111:ASP:OD1	2.61	0.40
1:7Q:59:ASN:ND2	1:8V:151:THR:OG1	2.54	0.40
1:8S:69:ILE:HA	1:8X:96:THR:HB	2.03	0.40
1:8U:226:LEU:HA	1:8U:227:PRO:HD3	1.85	0.40
1:1c:212:GLU:OE1	1:1c:212:GLU:HA	2.21	0.40
1:1d:190:TYR:CD2	1:1d:190:TYR:C	2.98	0.40
1:1d:422:THR:OG1	1:1d:423:GLU:N	2.54	0.40
1:2V:357:ASN:HA	1:2V:433:ALA:HB2	2.03	0.40
1:2W:355:SER:CB	1:2W:356:PRO:CD	2.99	0.40
1:2Y:95:ARG:O	1:2Y:96:THR:HB	2.20	0.40
1:3Z:406:GLY:O	1:3Z:407:ASN:HB2	2.21	0.40
1:3c:355:SER:CB	1:3c:356:PRO:CD	2.96	0.40
1:4Z:419:ASP:OD1	1:4Z:419:ASP:C	2.64	0.40
1:4c:212:GLU:OE1	1:4c:212:GLU:HA	2.21	0.40
1:5Z:154:VAL:O	1:5Z:155:SER:HB3	2.21	0.40
1:6b:283:ASP:OD1	1:6b:283:ASP:C	2.64	0.40
2:1e:183:PHE:CE1	2:2Z:199:LEU:CB	3.04	0.40
2:1f:179:ASN:ND2	2:1f:192:ASN:HD22	2.11	0.40
2:1f:210:LEU:HD22	2:3f:201:VAL:HG21	2.03	0.40
2:1g:120:ILE:HD12	2:3g:120:ILE:HD11	2.03	0.40
2:1g:200:LEU:C	2:3g:193:LYS:CG	2.95	0.40
2:2Z:120:ILE:HG12	2:1l:120:ILE:HD13	2.02	0.40
2:2c:150:GLU:OE1	2:3l:141:PRO:CB	2.64	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5e:38:ILE:CD1	2:5e:114:ARG:HH22	2.29	0.40
2:5e:259:VAL:CB	2:6g:258:ASP:HA	2.52	0.40
2:6f:200:LEU:CD1	2:5h:200:LEU:CD1	2.99	0.40
2:6f:209:LEU:CD1	2:7f:225:MET:SD	2.98	0.40
2:6f:214:PRO:CG	2:7f:225:MET:CG	2.99	0.40
2:6h:97:TYR:OH	2:6h:111:VAL:CB	2.69	0.40
2:8e:184:LEU:HD21	2:9F:184:LEU:HD22	1.94	0.40
2:8e:232:TYR:HB2	2:9F:232:TYR:N	2.36	0.40
2:8e:273:LEU:HB2	2:9F:273:LEU:HD21	1.95	0.40
2:8f:259:VAL:CG1	2:9P:256:ALA:O	2.69	0.40
2:8g:108:VAL:O	2:8g:108:VAL:HG13	2.19	0.40
2:8g:232:TYR:CE2	2:9G:232:TYR:CZ	3.09	0.40
2:8i:73:VAL:C	2:7g:23:GLN:HE21	2.28	0.40
2:1i:86:VAL:HA	2:1i:87:PRO:HD3	1.94	0.40
2:1i:138:ILE:O	2:2e:129:GLY:HA3	2.21	0.40
2:1k:97:TYR:OH	2:1k:111:VAL:CB	2.69	0.40
2:1k:179:ASN:ND2	2:1k:192:ASN:HD22	2.11	0.40
2:2e:200:LEU:CD1	2:1p:200:LEU:CD1	2.75	0.40
2:2e:223:ARG:N	2:1p:226:ILE:HD12	2.36	0.40
2:2i:190:ASP:OD1	2:3o:202:SER:HB3	2.20	0.40
2:3j:113:SER:O	2:3j:114:ARG:HD2	2.21	0.40
2:3l:97:TYR:OH	2:3l:111:VAL:CB	2.69	0.40
2:5g:149[B]:ILE:HG23	2:6k:158[B]:ILE:HG22	1.98	0.40
2:5g:280:SER:H	2:6k:249:ALA:C	2.29	0.40
2:5h:66:ILE:O	2:5h:66:ILE:HG23	2.21	0.40
2:6i:91:PRO:O	2:6i:92:SER:CB	2.69	0.40
2:6j:183:PHE:CZ	2:7k:196:LEU:HD22	2.57	0.40
2:6j:212:GLY:CA	2:7k:203:ASN:ND2	2.85	0.40
2:6k:127:ASP:OD1	2:7e:122:VAL:N	2.51	0.40
2:6k:180:VAL:CG1	2:7e:184:LEU:HD23	2.51	0.40
2:6l:97:TYR:OH	2:6l:111:VAL:CB	2.69	0.40
2:7h:61:ALA:HB1	2:8p:57:MET:HB3	2.03	0.40
2:7i:57:MET:SD	2:8l:111:VAL:HG22	2.61	0.40
2:8k:198:GLN:O	2:9G:193:LYS:NZ	2.54	0.40
2:8m:234:LEU:HD21	2:9H:242:LEU:CB	2.47	0.40
2:8n:256:ALA:O	2:8r:259:VAL:CG1	2.69	0.40
2:1o:38:ILE:HD11	2:1o:114:ARG:HH22	1.74	0.40
2:1o:97:TYR:OH	2:1o:111:VAL:CB	2.69	0.40
2:1o:245:VAL:CG2	2:3o:245:VAL:HG22	2.38	0.40
2:2n:124:ASP:HB3	2:1s:118:ILE:O	2.21	0.40
2:6m:136:LEU:HD13	2:8u:136:LEU:HD22	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6m:246:LYS:CE	2:8u:242:LEU:HG	2.47	0.40
2:6n:200:LEU:CD1	2:5l:200:LEU:CD1	2.99	0.40
2:6n:229:GLY:O	2:7p:228:ALA:CA	2.69	0.40
2:6o:76:ASN:HD21	2:6o:116:LYS:HD3	1.78	0.40
2:7n:57:MET:SD	2:8r:111:VAL:HG22	2.61	0.40
2:8q:66:ILE:O	2:8q:66:ILE:HG23	2.20	0.40
2:8s:184:LEU:HD23	2:9l:180:VAL:CG1	2.51	0.40
2:8s:232:TYR:CE2	2:9l:232:TYR:CZ	3.09	0.40
2:8t:239:THR:HG22	2:7s:247:LYS:HG2	2.01	0.40
2:8v:66:ILE:O	2:8v:66:ILE:HG23	2.20	0.40
2:1s:108:VAL:O	2:1s:108:VAL:HG13	2.19	0.40
2:1s:206:VAL:HG21	2:3s:212:GLY:CA	2.48	0.40
2:2o:53:THR:OG1	2:2o:54:GLN:N	2.51	0.40
2:2q:206:VAL:HG11	2:4k:210:LEU:HA	2.02	0.40
2:2q:219:LYS:HA	2:3q:226:ILE:CA	2.45	0.40
2:3q:66:ILE:O	2:3q:66:ILE:HG23	2.21	0.40
2:4l:111:VAL:HG21	2:3x:41:TYR:OH	2.20	0.40
2:5k:113:SER:O	2:5k:114:ARG:HD2	2.21	0.40
2:6q:28:ILE:HD13	2:7v:97:TYR:CE1	2.54	0.40
2:7r:148[A]:ILE:HD13	2:9L:148[A]:ILE:HD13	2.02	0.40
2:7r:232:TYR:CD2	2:9L:232:TYR:CE2	3.08	0.40
2:7s:57:MET:HB3	2:8x:61:ALA:CB	2.46	0.40
2:7s:179:ASN:ND2	2:7s:192:ASN:HD22	2.11	0.40
2:8y:184:LEU:HD23	2:9J:180:VAL:CG1	2.51	0.40
2:1u:113:SER:O	2:1u:114:ARG:HD2	2.21	0.40
2:1u:138:ILE:O	2:2t:129:GLY:HA3	2.21	0.40
2:1u:223:ARG:CA	2:2t:226:ILE:HD12	2.42	0.40
2:1w:232:TYR:HB2	2:3w:232:TYR:HB3	2.03	0.40
2:3u:245:VAL:HG23	2:4m:237:ALA:CB	2.51	0.40
2:6x:209:LEU:HD21	2:7w:209:LEU:CD2	2.52	0.40
2:7w:148[A]:ILE:HD13	2:9R:148[A]:ILE:HD13	2.03	0.40
1:1A:314:ASN:OD1	1:1A:314:ASN:C	2.64	0.40
1:1B:333:SER:OG	1:1B:334:ARG:O	2.38	0.40
1:1D:21:VAL:HG12	1:1D:22:ASN:H	1.85	0.40
1:1E:212:GLU:OE1	1:1E:212:GLU:HA	2.21	0.40
1:3E:202:GLU:HA	1:3E:203:PRO:HD3	1.60	0.40
1:4B:36:VAL:HB	1:4B:37:PRO:HD3	2.01	0.40
1:4C:204:THR:O	1:4C:204:THR:HG22	2.21	0.40
1:5A:228:GLN:OE1	1:5A:228:GLN:N	2.32	0.40
1:5F:443:SER:HB2	2:5f:53:THR:OG1	2.21	0.40
1:7B:81:ASN:HB3	1:7B:84:LYS:HB2	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:8F:116:GLU:O	1:8F:117:GLN:HB2	2.21	0.40
1:1G:412:LEU:HB2	1:1G:435:VAL:HB	2.04	0.40
1:2G:398:GLY:HA2	2:2g:106:GLN:OE1	2.21	0.40
1:2G:419:ASP:OD1	1:2G:419:ASP:C	2.63	0.40
1:2H:202:GLU:HA	1:2H:203:PRO:HD3	1.93	0.40
1:3G:395:ALA:O	1:3G:396:ILE:HB	2.21	0.40
1:3G:396:ILE:O	1:3G:396:ILE:CG2	2.69	0.40
1:3H:223:LYS:HB3	1:3H:233:TRP:CH2	2.56	0.40
1:3I:96:THR:HA	1:3I:132:HIS:O	2.20	0.40
1:3L:448:ALA:HA	2:3i:41:TYR:HD1	1.84	0.40
1:4H:66:VAL:O	1:4H:66:VAL:CG1	2.68	0.40
1:4L:447:GLN:HB2	2:4h:42:VAL:HB	2.02	0.40
1:5H:314:ASN:HA	1:5H:315:PRO:HD3	1.89	0.40
1:5I:36:VAL:N	1:5I:37:PRO:HD2	2.35	0.40
1:5K:19:ASP:OD1	1:5K:19:ASP:C	2.64	0.40
1:5L:205:SER:OG	1:5L:206:SER:N	2.49	0.40
1:7I:121:GLU:O	1:7I:122:ARG:HB3	2.22	0.40
1:7I:238:VAL:O	1:7I:238:VAL:HG23	2.21	0.40
1:8G:438:ARG:HA	1:8G:439:PRO:HD3	1.91	0.40
1:8I:423:GLU:H	1:8I:423:GLU:CD	2.26	0.40
1:8L:116:GLU:O	1:8L:117:GLN:HB2	2.21	0.40
1:1P:355:SER:HB2	1:1P:356:PRO:HD2	2.03	0.40
1:1R:422:THR:OG1	1:1R:423:GLU:N	2.54	0.40
1:3M:226:LEU:HA	1:3M:227:PRO:HD3	1.89	0.40
1:3O:218:ARG:NH1	1:3O:274:ASP:O	2.54	0.40
1:4N:12:LEU:O	1:4N:14:ILE:N	2.54	0.40
1:4P:267:ALA:O	1:4P:268:PHE:HB3	2.20	0.40
1:5M:390:GLY:O	1:5M:391:SER:HB3	2.21	0.40
1:5P:355:SER:CB	1:5P:356:PRO:HD3	2.50	0.40
1:6P:92:PRO:O	1:6P:93:LEU:C	2.64	0.40
1:6Q:95:ARG:HB2	1:5T:151:THR:HG23	2.02	0.40
1:6Q:110:TYR:CD2	1:6Q:110:TYR:C	2.99	0.40
1:6R:7:ASP:OD1	1:6R:7:ASP:C	2.64	0.40
1:6R:286:ALA:O	1:6R:287:SER:HB3	2.20	0.40
1:7K:26:ASN:CA	2:6o:52:LEU:HD12	2.38	0.40
1:7N:405:SER:O	2:7j:45:LYS:HA	2.20	0.40
1:8O:355:SER:HB2	1:8O:356:PRO:HD3	2.03	0.40
1:8Q:312:VAL:CG2	1:7R:315:PRO:HG3	2.52	0.40
1:8R:116:GLU:O	1:8R:117:GLN:HB2	2.21	0.40
1:9C:391:SER:OG	1:9C:392:THR:N	2.53	0.40
1:1S:291:GLU:CG	1:1S:343:SER:HB3	2.52	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:1T:81:ASN:OD1	1:1T:81:ASN:C	2.60	0.40
1:1T:167:ILE:O	1:1T:170:ILE:HG22	2.22	0.40
1:1X:419:ASP:C	1:1X:419:ASP:OD1	2.63	0.40
1:2P:31:ASN:HB3	1:2T:286:ALA:HA	2.03	0.40
1:2P:110:TYR:CD2	1:2P:110:TYR:C	2.99	0.40
1:2P:151:THR:HB	1:1b:95:ARG:HB2	2.03	0.40
1:2Q:380:ASP:OD1	1:2Q:380:ASP:C	2.65	0.40
1:3S:395:ALA:O	1:3S:396:ILE:HB	2.21	0.40
1:3U:306:LEU:HB3	1:3U:327:TRP:HB2	2.01	0.40
1:4S:202:GLU:HG3	1:4S:343:SER:HB2	2.02	0.40
1:4V:203:PRO:O	1:4V:204:THR:HB	2.21	0.40
1:5W:116:GLU:HG3	1:5W:117:GLN:HG3	2.03	0.40
1:6S:443:SER:H	2:6t:45:LYS:NZ	2.19	0.40
1:6V:92:PRO:O	1:6V:93:LEU:C	2.64	0.40
1:6X:124:MET:HA	1:6X:125:PRO:HD3	1.93	0.40
1:7P:266:LYS:O	1:7P:270:MET:N	2.54	0.40
1:7P:270:MET:C	1:7P:270:MET:SD	3.04	0.40
1:8S:111:ASP:OD2	1:8S:111:ASP:C	2.63	0.40
1:8U:448:ALA:HA	2:9L:41:TYR:CD1	2.55	0.40
1:1c:19:ASP:OD1	1:1c:19:ASP:C	2.63	0.40
1:1d:124:MET:HA	1:1d:125:PRO:HD3	1.85	0.40
1:3Y:202:GLU:O	1:3Y:202:GLU:CG	2.70	0.40
1:3b:355:SER:HB2	1:3b:356:PRO:HD3	2.03	0.40
1:4a:334:ARG:O	1:4a:335:PHE:HB2	2.21	0.40
1:4c:36:VAL:N	1:4c:37:PRO:CD	2.83	0.40
1:7X:53:ILE:O	1:7X:54:ASN:HB2	2.21	0.40
1:7X:238:VAL:O	1:7X:238:VAL:HG23	2.21	0.40
1:7Y:135:ASN:OD1	1:7Y:135:ASN:N	2.51	0.40
1:8Z:447:GLN:HG2	2:9N:44:VAL:HG23	2.02	0.40
1:8a:30:ASP:OD1	1:8a:30:ASP:C	2.62	0.40
1:8a:447:GLN:CD	2:9R:44:VAL:CG1	2.94	0.40
1:8b:447:GLN:CB	2:9Q:44:VAL:CG2	2.98	0.40
1:8d:393:GLY:O	1:8d:394:THR:C	2.64	0.40
2:1e:41:TYR:OH	2:1l:111:VAL:HG21	2.20	0.40
2:1g:199:LEU:O	2:3g:193:LYS:CE	2.70	0.40
2:1g:201:VAL:CA	2:3g:193:LYS:HD3	2.50	0.40
2:1h:175:PHE:HZ	2:2t:175:PHE:CZ	2.39	0.40
2:2b:197:GLN:NE2	2:3e:200:LEU:O	2.52	0.40
2:2c:201:VAL:HG21	2:3l:210:LEU:HD13	1.91	0.40
2:2c:247:LYS:HE2	2:4f:280:SER:HA	2.03	0.40
2:2d:124:ASP:HB3	2:1k:118:ILE:O	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6e:73:VAL:O	2:8i:23:GLN:NE2	2.49	0.40
2:6g:66:ILE:O	2:6g:66:ILE:HG23	2.21	0.40
2:7a:174:LEU:HD22	2:6v:174:LEU:CD1	2.51	0.40
2:7a:179:ASN:ND2	2:7a:192:ASN:HD22	2.11	0.40
2:7c:272:VAL:HG11	2:8j:279:ILE:HG21	1.98	0.40
2:7d:53:THR:OG1	2:7d:54:GLN:N	2.51	0.40
2:7d:57:MET:SD	2:8f:111:VAL:HG22	2.61	0.40
2:8e:41:TYR:OH	2:8e:57:MET:SD	2.76	0.40
2:8e:184:LEU:CD2	2:9F:184:LEU:HD21	2.19	0.40
2:8e:199:LEU:O	2:9F:193:LYS:HG2	2.21	0.40
2:8e:274:LYS:NZ	2:9F:251:VAL:H	2.19	0.40
2:8f:179:ASN:ND2	2:8f:192:ASN:HD22	2.11	0.40
2:8h:73:VAL:HB	2:8l:23:GLN:HG3	2.03	0.40
2:9F:180:VAL:CG1	2:9O:184:LEU:HD23	2.51	0.40
2:9F:242:LEU:CB	2:9O:234:LEU:HD21	2.47	0.40
2:1i:183:PHE:CE1	2:2e:199:LEU:CB	3.04	0.40
2:1k:120:ILE:HD12	2:3k:120:ILE:HD11	2.03	0.40
2:2i:174:LEU:CD1	2:3o:174:LEU:HD13	2.52	0.40
2:2i:193:LYS:HG2	2:3o:199:LEU:O	2.20	0.40
2:6i:158[A]:ILE:CG1	2:8o:158[A]:ILE:HD11	2.47	0.40
2:6k:202:SER:CB	2:7e:193:LYS:CD	2.85	0.40
2:6l:209:LEU:HD21	2:7h:209:LEU:CD2	2.51	0.40
2:6l:263:VAL:HG13	2:8p:254:SER:CB	2.51	0.40
2:8k:232:TYR:HB2	2:9G:232:TYR:N	2.36	0.40
2:1m:174:LEU:HD11	2:2j:174:LEU:HD22	2.03	0.40
2:1n:280:SER:CB	2:2k:247:LYS:HE2	2.51	0.40
2:1o:108:VAL:O	2:1o:108:VAL:HG13	2.19	0.40
2:1o:201:VAL:CA	2:3o:193:LYS:HD3	2.50	0.40
2:2n:174:LEU:CD1	2:3s:174:LEU:HD13	2.52	0.40
2:3m:41:TYR:OH	2:3m:57:MET:SD	2.76	0.40
2:3p:97:TYR:OH	2:3p:111:VAL:CB	2.69	0.40
2:5i:259:VAL:CB	2:6o:258:ASP:HA	2.52	0.40
2:6m:227:GLY:C	2:7q:223:ARG:HD3	2.45	0.40
2:6n:239:THR:CG2	2:5l:247:LYS:CB	2.91	0.40
2:7n:57:MET:HE2	2:8r:111:VAL:CG2	2.45	0.40
2:8s:97:TYR:OH	2:8s:111:VAL:CB	2.69	0.40
2:9H:19:LEU:N	2:9H:41:TYR:O	2.46	0.40
2:1q:174:LEU:HD11	2:2o:174:LEU:HD22	2.03	0.40
2:1s:120:ILE:HD12	2:3s:120:ILE:HD11	2.03	0.40
2:2p:199:LEU:CD1	2:3r:183:PHE:CD1	2.95	0.40
2:2r:120:ILE:O	2:4l:125:ILE:HA	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:2s:124:ASP:HB3	2:1w:118:ILE:O	2.22	0.40
2:3q:184:LEU:HA	2:4k:180:VAL:HG11	2.04	0.40
2:5k:99:VAL:HG11	2:7o:5:PHE:CE2	2.56	0.40
2:5k:231:PRO:HD3	2:7o:227:GLY:O	2.21	0.40
2:6r:200:LEU:HD11	2:7u:200:LEU:CD2	2.51	0.40
2:6r:212:GLY:CA	2:7u:203:ASN:ND2	2.85	0.40
2:6r:226:ILE:HB	2:5n:222:LEU:HB2	2.04	0.40
2:7o:53:THR:OG1	2:7o:54:GLN:N	2.51	0.40
2:7r:272:VAL:HG11	2:9L:279:ILE:HG21	1.98	0.40
2:8w:240:THR:N	2:9I:246:LYS:HZ3	2.18	0.40
2:8y:259:VAL:HG21	2:9M:257:THR:C	2.40	0.40
2:8z:66:ILE:O	2:8z:66:ILE:HG23	2.21	0.40
2:1w:132:GLY:HA3	2:3w:135:LEU:O	2.21	0.40
2:1w:240:THR:C	2:3w:246:LYS:HZ3	2.28	0.40
2:3u:234:LEU:HD21	2:4m:243:GLY:CA	2.43	0.40
2:3x:108:VAL:O	2:3x:108:VAL:HG13	2.19	0.40
2:6u:252:THR:C	2:9Q:270:ILE:HG21	2.45	0.40
2:6x:148[A]:ILE:CG2	2:9R:145:ARG:HG2	2.51	0.40
2:6x:263:VAL:HG13	2:9R:254:SER:CB	2.51	0.40
1:1A:142:GLN:HA	1:1A:142:GLN:NE2	2.37	0.40
1:3B:223:LYS:HB3	1:3B:233:TRP:CH2	2.56	0.40
1:3C:94:GLY:O	1:3C:95:ARG:CB	2.69	0.40
1:4E:447:GLN:CD	2:4e:60:LEU:HD11	2.46	0.40
1:6A:447:GLN:HB2	2:6h:56:ASN:HB2	2.00	0.40
1:6B:145:GLN:HG2	1:6B:319:TYR:HB3	2.02	0.40
1:7A:270:MET:SD	1:7A:270:MET:C	3.04	0.40
1:7D:238:VAL:O	1:7D:238:VAL:HG23	2.21	0.40
1:7D:447:GLN:N	2:7Z:44:VAL:HG22	2.37	0.40
1:7E:395:ALA:HB3	2:7c:107:LEU:HD11	2.04	0.40
1:7E:448:ALA:HA	2:7c:58:TYR:O	2.21	0.40
1:1G:291:GLU:CG	1:1G:343:SER:HB3	2.52	0.40
1:1J:111:ASP:OD1	1:1J:111:ASP:C	2.61	0.40
1:1K:203:PRO:CG	1:1K:213:PHE:HB2	2.51	0.40
1:2G:58:GLN:OE1	1:2G:58:GLN:N	2.35	0.40
1:2H:355:SER:CB	1:2H:356:PRO:CD	2.99	0.40
1:4G:142:GLN:HA	1:4G:142:GLN:NE2	2.36	0.40
1:4G:269:ASN:OD1	1:4G:269:ASN:C	2.61	0.40
1:4G:312:VAL:O	1:4G:312:VAL:HG13	2.22	0.40
1:5K:201:ASP:HB3	1:5K:343:SER:HA	1.95	0.40
1:5L:428:LEU:C	1:5L:428:LEU:CD1	2.94	0.40
1:6K:134:ARG:HD2	1:6K:327:TRP:HB3	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7F:234:ASN:C	1:7F:234:ASN:OD1	2.61	0.40
1:7F:270:MET:SD	1:7F:270:MET:C	3.04	0.40
1:7J:224:LEU:HD22	1:7J:337:ASN:HB3	2.03	0.40
1:8I:355:SER:HB2	1:8I:356:PRO:HD3	2.03	0.40
1:2K:245:GLU:H	1:2K:245:GLU:CD	2.22	0.40
1:2M:392:THR:HG23	2:2k:46:ASP:CB	2.51	0.40
1:2N:397:THR:HG22	2:2j:107:LEU:HB2	2.03	0.40
1:3N:223:LYS:HB3	1:3N:233:TRP:CH2	2.56	0.40
1:4M:202:GLU:HG3	1:4M:343:SER:HB2	2.02	0.40
1:4O:135:ASN:OD1	1:4O:135:ASN:N	2.51	0.40
1:5N:312:VAL:HB	1:5N:321:ASN:HB2	2.03	0.40
1:5Q:18:TYR:CD1	1:5Q:18:TYR:C	2.99	0.40
1:7N:121:GLU:O	1:7N:122:ARG:HB3	2.21	0.40
1:7N:393:GLY:H	2:7j:46:ASP:CG	2.30	0.40
1:7N:395:ALA:HB2	2:7j:66:ILE:HD11	2.03	0.40
1:7O:419:ASP:OD1	1:7O:419:ASP:C	2.65	0.40
1:8M:425:LYS:O	1:8M:425:LYS:HG3	2.21	0.40
1:2Q:306:LEU:HB3	1:2Q:327:TRP:HB2	2.03	0.40
1:2Q:357:ASN:HA	1:2Q:433:ALA:HB2	2.03	0.40
1:2R:319:TYR:CD1	1:2R:319:TYR:C	2.98	0.40
1:3S:377:ASN:OD1	1:3S:377:ASN:C	2.63	0.40
1:3U:11:SER:OG	1:3U:12:LEU:N	2.53	0.40
1:3X:275:PHE:O	1:3X:276:LEU:HB2	2.20	0.40
1:4T:12:LEU:O	1:4T:14:ILE:N	2.54	0.40
1:4T:201:ASP:HB2	1:4T:343:SER:HA	2.03	0.40
1:4T:356:PRO:O	1:4T:357:ASN:HB2	2.20	0.40
1:4V:88:LYS:HA	1:4V:88:LYS:HD3	1.91	0.40
1:5S:397:THR:O	1:5S:399:ASP:N	2.54	0.40
1:5T:136:ARG:HD3	1:5T:328:GLN:HG2	2.03	0.40
1:5T:203:PRO:C	1:5T:204:THR:HG1	2.12	0.40
1:6T:19:ASP:OD1	1:6T:19:ASP:C	2.63	0.40
1:7S:121:GLU:O	1:7S:122:ARG:HB3	2.22	0.40
1:7S:238:VAL:O	1:7S:238:VAL:HG23	2.21	0.40
1:7T:419:ASP:OD1	1:7T:419:ASP:C	2.65	0.40
1:8T:425:LYS:N	1:8T:426:PRO:CD	2.83	0.40
1:8U:217:MET:HE2	1:8U:217:MET:HB2	1.97	0.40
1:8X:419:ASP:OD1	1:8X:419:ASP:C	2.64	0.40
1:1Z:366:GLN:HG2	1:1Z:403:SER:HA	2.03	0.40
1:2U:202:GLU:HA	1:2U:203:PRO:HD3	1.92	0.40
1:2V:58:GLN:O	1:2V:58:GLN:HG2	2.18	0.40
1:3Y:377:ASN:OD1	1:3Y:377:ASN:C	2.63	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3c:269:ASN:OD1	1:3c:269:ASN:C	2.65	0.40
1:4Y:312:VAL:O	1:4Y:312:VAL:HG13	2.22	0.40
1:4d:217:MET:HB3	1:4d:217:MET:HE3	1.78	0.40
1:5c:110:TYR:CD2	1:5c:110:TYR:C	2.99	0.40
1:6b:92:PRO:O	1:6b:93:LEU:C	2.64	0.40
1:6b:111:ASP:OD1	1:6b:111:ASP:C	2.61	0.40
1:6c:110:TYR:CD2	1:6c:110:TYR:C	2.99	0.40
1:7X:447:GLN:O	2:7t:55:VAL:HG13	2.17	0.40
2:1e:174:LEU:HD11	2:2Z:174:LEU:HD22	2.03	0.40
2:1f:91:PRO:O	2:1f:92:SER:CB	2.69	0.40
2:1f:280:SER:CB	2:2a:247:LYS:HE2	2.51	0.40
2:2Z:223:ARG:NH1	2:1l:226:ILE:O	2.54	0.40
2:2Z:244:GLY:C	2:1l:242:LEU:HD22	2.45	0.40
2:2d:171:GLN:HG2	2:3k:175:PHE:HE1	1.81	0.40
2:3f:113:SER:O	2:3f:114:ARG:HD2	2.21	0.40
2:5e:97:TYR:OH	2:5e:111:VAL:CB	2.69	0.40
2:5e:234:LEU:HD11	2:6g:234:LEU:CD2	2.50	0.40
2:6f:200:LEU:HD11	2:7f:200:LEU:HD22	2.04	0.40
2:6f:239:THR:CA	2:5h:247:LYS:CB	2.96	0.40
2:6g:180:VAL:CG1	2:7Z:184:LEU:HD23	2.51	0.40
2:7a:57:MET:HE2	2:6v:111:VAL:CG1	2.51	0.40
2:7b:53:THR:OG1	2:7b:54:GLN:N	2.51	0.40
2:7b:223:ARG:HD3	2:6u:227:GLY:C	2.46	0.40
2:7c:254:SER:CB	2:8j:263:VAL:HG13	2.51	0.40
2:8e:176:SER:HB2	2:9F:164:ASN:OD1	2.21	0.40
2:8g:121[A]:GLU:HA	2:9G:127:ASP:OD1	2.21	0.40
2:8g:184:LEU:HD23	2:9G:180:VAL:CG1	2.51	0.40
2:1j:91:PRO:O	2:1j:92:SER:CB	2.69	0.40
2:2g:214:PRO:CG	2:3i:225:MET:O	2.69	0.40
2:2g:219:LYS:HA	2:3i:226:ILE:CA	2.45	0.40
2:2g:246:LYS:HG2	2:3i:241:THR:N	2.37	0.40
2:2h:240:THR:C	2:3p:245:VAL:O	2.62	0.40
2:2i:86:VAL:HA	2:2i:87:PRO:HD3	1.94	0.40
2:2i:120:ILE:HG13	2:3o:125:ILE:HA	2.03	0.40
2:4h:41:TYR:OH	2:4h:57:MET:SD	2.76	0.40
2:5g:99:VAL:HG11	2:7e:5:PHE:CE2	2.56	0.40
2:6i:251:VAL:HG22	2:8o:270:ILE:CG2	2.51	0.40
2:6j:111:VAL:HG22	2:7k:57:MET:SD	2.61	0.40
2:6j:223:ARG:HD3	2:7k:228:ALA:CA	2.52	0.40
2:6l:148[A]:ILE:CG2	2:8p:145:ARG:HG2	2.51	0.40
2:7h:266:LEU:H	2:8p:266:LEU:CD2	2.20	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:8l:86:VAL:HA	2:8l:87:PRO:HD3	1.95	0.40
2:8o:108:VAL:O	2:8o:108:VAL:HG13	2.19	0.40
2:2j:160:GLY:HA2	2:1t:173:LEU:HD22	2.02	0.40
2:2l:209:LEU:CD2	2:3m:209:LEU:CD2	2.95	0.40
2:2m:186:ALA:HA	2:4j:199:LEU:HD13	2.03	0.40
2:3m:91:PRO:O	2:3m:92:SER:CB	2.69	0.40
2:5j:179:ASN:ND2	2:5j:192:ASN:HD22	2.11	0.40
2:6n:223:ARG:HD3	2:7p:228:ALA:CA	2.52	0.40
2:6n:226:ILE:O	2:5l:223:ARG:NH1	2.53	0.40
2:6p:267:ASN:CG	2:8v:254:SER:N	2.63	0.40
2:8q:198:GLN:O	2:9H:193:LYS:NZ	2.54	0.40
2:8r:38:ILE:HD11	2:8r:114:ARG:CZ	2.35	0.40
2:8s:38:ILE:HD11	2:8s:114:ARG:HH22	1.73	0.40
2:8s:223:ARG:CG	2:9I:228:ALA:CA	2.89	0.40
2:1r:91:PRO:O	2:1r:92:SER:CB	2.69	0.40
2:2o:120:ILE:HG12	2:1x:120:ILE:HD13	2.02	0.40
2:2p:203:ASN:ND2	2:3r:212:GLY:HA3	2.05	0.40
2:2p:242:LEU:HB3	2:3r:244:GLY:H	1.81	0.40
2:3q:91:PRO:O	2:3q:92:SER:CB	2.69	0.40
2:4l:91:PRO:O	2:4l:92:SER:CB	2.69	0.40
2:6s:179:ASN:ND2	2:6s:192:ASN:HD22	2.11	0.40
2:8w:176:SER:HB2	2:9I:164:ASN:OD1	2.21	0.40
2:8y:263:VAL:HG11	2:9M:255:THR:HA	2.03	0.40
2:1w:113:SER:O	2:1w:114:ARG:HD2	2.21	0.40
2:1w:120:ILE:HD12	2:3w:120:ILE:HD11	2.03	0.40
2:1w:199:LEU:O	2:3w:193:LYS:CE	2.70	0.40
2:1w:206:VAL:HG21	2:3w:212:GLY:CA	2.48	0.40
2:3w:66:ILE:O	2:3w:66:ILE:HG23	2.20	0.40
2:5m:259:VAL:CB	2:6w:258:ASP:HA	2.51	0.40
2:6w:132:GLY:C	2:7t:136:LEU:HD12	2.47	0.40
2:7t:179:ASN:ND2	2:7t:192:ASN:HD22	2.11	0.40
2:7x:57:MET:HB3	2:9N:61:ALA:CB	2.46	0.40
2:9M:279:ILE:HG22	2:9J:273:LEU:HA	2.04	0.40
2:9Q:97:TYR:OH	2:9Q:111:VAL:CB	2.69	0.40
2:9R:91:PRO:O	2:9R:92:SER:CB	2.69	0.40
1:1D:76:GLN:NE2	1:1D:76:GLN:HA	2.36	0.40
1:1E:201:ASP:OD2	1:1F:372:TYR:CE1	2.75	0.40
1:2D:448:ALA:HB2	2:2Z:41:TYR:HA	2.03	0.40
1:3C:242:SER:OG	1:3C:243:TYR:N	2.54	0.40
1:3E:19:ASP:O	1:3E:20:ILE:HB	2.22	0.40
1:4C:88:LYS:O	1:4C:88:LYS:CG	2.67	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4C:419:ASP:OD1	1:4C:419:ASP:C	2.63	0.40
1:5E:124:MET:HA	1:5E:125:PRO:HD3	1.93	0.40
1:5F:110:TYR:OH	1:6d:145:GLN:NE2	2.54	0.40
1:6F:36:VAL:HB	1:6F:37:PRO:HD3	2.04	0.40
1:6F:145:GLN:NE2	1:5L:110:TYR:OH	2.54	0.40
1:6F:286:ALA:O	1:6F:287:SER:HB3	2.20	0.40
1:7B:446:ALA:HA	2:7b:41:TYR:HE2	1.04	0.40
1:7D:445:GLY:C	2:7Z:45:LYS:HB3	2.46	0.40
1:7E:448:ALA:HB1	2:7c:60:LEU:HB2	2.02	0.40
1:1I:420:ILE:HB	1:1I:427:LYS:HB2	2.03	0.40
1:3H:71:LEU:HD12	1:3H:71:LEU:C	2.46	0.40
1:3I:142:GLN:NE2	1:3I:142:GLN:HA	2.35	0.40
1:4H:377:ASN:OD1	1:4H:377:ASN:C	2.65	0.40
1:4K:142:GLN:HA	1:4K:142:GLN:NE2	2.36	0.40
1:6J:252:ASP:OD1	1:6J:252:ASP:C	2.62	0.40
1:6L:16:GLU:O	1:6L:16:GLU:HG3	2.22	0.40
1:6L:36:VAL:HB	1:6L:37:PRO:HD3	2.04	0.40
1:6L:145:GLN:NE2	1:5R:110:TYR:OH	2.54	0.40
1:7F:447:GLN:HA	2:7i:56:ASN:H	1.85	0.40
1:8J:447:GLN:HG2	2:8o:44:VAL:CG2	2.51	0.40
1:8L:124:MET:HA	1:8L:125:PRO:HD3	1.96	0.40
1:8L:444:GLY:H	2:8m:45:LYS:CD	2.33	0.40
1:1M:291:GLU:CG	1:1M:343:SER:HB3	2.52	0.40
1:1P:21:VAL:HG12	1:1P:22:ASN:N	2.37	0.40
1:2O:30:ASP:O	1:2O:31:ASN:HB2	2.22	0.40
1:3M:95:ARG:O	1:3M:96:THR:CB	2.70	0.40
1:3M:111:ASP:O	1:3M:112:ALA:HB3	2.22	0.40
1:4N:377:ASN:OD1	1:4N:377:ASN:C	2.65	0.40
1:4Q:202:GLU:O	1:4Q:203:PRO:O	2.39	0.40
1:5M:112:ALA:HA	1:5M:115:ALA:HB3	2.03	0.40
1:5P:97:ILE:HB	1:5P:132:HIS:HB2	2.04	0.40
1:5P:391:SER:OG	1:5P:392:THR:N	2.50	0.40
1:5R:145:GLN:HG2	1:5R:319:TYR:HB3	2.03	0.40
1:6P:283:ASP:OD1	1:6P:283:ASP:C	2.64	0.40
1:6R:447:GLN:CG	2:6m:44:VAL:HG11	2.51	0.40
1:7M:26:ASN:HA	2:8n:52:LEU:HD12	2.02	0.40
1:7O:248:HIS:CD2	1:7O:278:ASN:HB2	2.57	0.40
1:8R:314:ASN:O	1:8R:318:LEU:N	2.55	0.40
1:1S:412:LEU:HB2	1:1S:435:VAL:HB	2.03	0.40
1:1W:201:ASP:OD2	1:1X:372:TYR:CE1	2.75	0.40
1:2T:406:GLY:O	2:2s:45:LYS:HE2	2.22	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3S:396:ILE:O	1:3S:396:ILE:CG2	2.69	0.40
1:3U:94:GLY:O	1:3U:95:ARG:CB	2.69	0.40
1:3W:19:ASP:O	1:3W:20:ILE:HB	2.22	0.40
1:4T:377:ASN:OD1	1:4T:377:ASN:C	2.65	0.40
1:4V:93:LEU:C	1:4V:93:LEU:CD1	2.93	0.40
1:5S:356:PRO:O	1:5S:357:ASN:HB2	2.21	0.40
1:5V:217:MET:HE3	1:5V:217:MET:HB3	1.98	0.40
1:6X:7:ASP:OD1	1:6X:7:ASP:C	2.64	0.40
1:7P:447:GLN:CG	2:7s:42:VAL:HG13	2.47	0.40
1:7S:53:ILE:O	1:7S:54:ASN:HB2	2.21	0.40
1:7S:398:GLY:N	2:7o:106:GLN:HB3	2.37	0.40
1:8U:448:ALA:HB2	2:9L:57:MET:HA	2.04	0.40
1:8V:377:ASN:OD1	1:8V:377:ASN:C	2.64	0.40
1:8W:228:GLN:OE1	1:8W:228:GLN:N	2.31	0.40
1:8W:312:VAL:CG2	1:7W:315:PRO:HG3	2.52	0.40
1:9D:391:SER:OG	1:9D:392:THR:N	2.53	0.40
1:9D:446:ALA:HA	2:9I:41:TYR:HE2	1.10	0.40
1:1Z:167:ILE:O	1:1Z:170:ILE:HG22	2.22	0.40
1:1a:36:VAL:HB	1:1a:37:PRO:HD3	2.04	0.40
1:1b:21:VAL:HG12	1:1b:22:ASN:N	2.37	0.40
1:1d:419:ASP:OD1	1:1d:419:ASP:C	2.63	0.40
1:2V:306:LEU:HB3	1:2V:327:TRP:HB2	2.03	0.40
1:2W:382:LYS:NZ	2:2u:103:GLN:HE21	2.19	0.40
1:3b:4:THR:O	1:3b:5:PHE:HB2	2.21	0.40
1:3b:314:ASN:OD1	1:3b:314:ASN:C	2.63	0.40
1:4Y:355:SER:CB	1:4Y:356:PRO:CD	2.99	0.40
1:4Y:379:LYS:NZ	1:4Y:380:ASP:OD1	2.54	0.40
1:4Z:134:ARG:HH11	1:4Z:134:ARG:HG2	1.86	0.40
1:4b:267:ALA:O	1:4b:268:PHE:HB3	2.20	0.40
1:4c:142:GLN:NE2	1:4c:142:GLN:HA	2.37	0.40
1:4c:226:LEU:HA	1:4c:227:PRO:HD3	1.88	0.40
1:5d:226:LEU:HA	1:5d:227:PRO:HD3	1.86	0.40
1:7X:397:THR:CG2	2:7t:107:LEU:HD12	2.51	0.40
1:7X:445:GLY:HA2	2:7t:45:LYS:CD	2.40	0.40
1:7Y:297:LYS:O	1:7Y:297:LYS:CG	2.62	0.40
1:8a:226:LEU:HA	1:8a:227:PRO:HD3	1.85	0.40
1:9E:391:SER:OG	1:9E:392:THR:N	2.53	0.40
2:1e:41:TYR:CD2	2:1e:57:MET:HE1	2.48	0.40
2:1e:97:TYR:OH	2:1e:111:VAL:CB	2.69	0.40
2:1e:247:LYS:CA	2:2Z:239:THR:HG22	2.12	0.40
2:1g:41:TYR:CD2	2:1g:57:MET:HE1	2.48	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:3g:91:PRO:O	2:3g:92:SER:CB	2.69	0.40
2:3g:174:LEU:HD13	2:2x:174:LEU:CD1	2.52	0.40
2:4e:97:TYR:OH	2:4e:111:VAL:CB	2.69	0.40
2:4e:108:VAL:O	2:4e:108:VAL:HG13	2.19	0.40
2:6f:97:TYR:OH	2:6f:111:VAL:CB	2.69	0.40
2:6f:183:PHE:CZ	2:7f:196:LEU:HD22	2.57	0.40
2:6g:232:TYR:CD1	2:7Z:232:TYR:CD2	3.04	0.40
2:6h:113:SER:O	2:6h:114:ARG:HD2	2.21	0.40
2:6h:148[A]:ILE:CG2	2:8j:145:ARG:HG2	2.51	0.40
2:6h:209:LEU:HD21	2:7c:209:LEU:CD2	2.52	0.40
2:6h:263:VAL:HG13	2:8j:254:SER:CB	2.51	0.40
2:7b:120:ILE:CD1	2:6u:120:ILE:HD13	2.51	0.40
2:8e:91:PRO:O	2:8e:92:SER:CB	2.69	0.40
2:8e:255:THR:HA	2:9O:263:VAL:HG11	2.03	0.40
2:9F:57:MET:CE	2:9O:111:VAL:CG2	2.97	0.40
2:1j:280:SER:CB	2:2f:247:LYS:HE2	2.51	0.40
2:1l:66:ILE:O	2:1l:66:ILE:HG23	2.20	0.40
2:2e:234:LEU:O	2:1p:242:LEU:HD12	2.20	0.40
2:2f:180:VAL:HG11	2:3j:184:LEU:HD23	2.03	0.40
2:2f:226:ILE:CD1	2:3j:226:ILE:HG12	2.51	0.40
2:2g:278:ILE:HD13	2:3i:278:ILE:O	2.21	0.40
2:2i:179:ASN:ND2	2:2i:192:ASN:HD22	2.11	0.40
2:5g:111:VAL:HG22	2:7e:57:MET:CG	2.51	0.40
2:5g:231:PRO:HD3	2:7e:227:GLY:O	2.21	0.40
2:6i:76:ASN:HD21	2:6i:116:LYS:CG	2.34	0.40
2:6j:239:THR:CG2	2:5j:247:LYS:CB	2.90	0.40
2:6k:132:GLY:C	2:7e:136:LEU:HD12	2.47	0.40
2:6k:206:VAL:HG21	2:7e:210:LEU:HA	2.04	0.40
2:7i:53:THR:OG1	2:7i:54:GLN:N	2.51	0.40
2:8n:57:MET:HE2	2:7n:111:VAL:HG13	2.02	0.40
2:8p:91:PRO:O	2:8p:92:SER:CB	2.69	0.40
2:1m:111:VAL:HG22	2:2j:57:MET:SD	2.60	0.40
2:1o:113:SER:O	2:1o:114:ARG:HD2	2.21	0.40
2:1p:91:PRO:O	2:1p:92:SER:CB	2.69	0.40
2:2k:175:PHE:HZ	2:3n:175:PHE:CZ	2.38	0.40
2:2k:229:GLY:CA	2:3n:229:GLY:C	2.73	0.40
2:2l:278:ILE:HD13	2:3m:278:ILE:O	2.21	0.40
2:2n:269:LEU:CD1	2:3s:279:ILE:HD13	2.51	0.40
2:3p:86:VAL:HA	2:3p:87:PRO:HD3	1.94	0.40
2:6n:214:PRO:CG	2:7p:225:MET:CG	2.99	0.40
2:6n:242:LEU:HD23	2:5l:245:VAL:N	2.36	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6p:28:ILE:HA	2:8v:73:VAL:HG11	2.02	0.40
2:6p:38:ILE:HD11	2:6p:114:ARG:HH22	1.73	0.40
2:7k:19:LEU:N	2:7k:41:TYR:O	2.46	0.40
2:8s:38:ILE:HD11	2:8s:114:ARG:CZ	2.34	0.40
2:8t:91:PRO:O	2:8t:92:SER:CB	2.69	0.40
2:1r:227:GLY:HA3	2:2p:223:ARG:NH1	2.36	0.40
2:1s:266:LEU:HD11	2:3s:266:LEU:N	2.28	0.40
2:2o:179:ASN:ND2	2:2o:192:ASN:HD22	2.11	0.40
2:2o:223:ARG:NH1	2:1x:226:ILE:O	2.54	0.40
2:2q:193:LYS:HE3	2:3q:198:GLN:O	2.20	0.40
2:2q:197:GLN:NE2	2:3q:200:LEU:O	2.52	0.40
2:2q:230:VAL:O	2:3q:229:GLY:HA3	2.19	0.40
2:2s:259:VAL:HG21	2:1w:258:ASP:HA	2.02	0.40
2:5k:259:VAL:CB	2:6s:258:ASP:HA	2.52	0.40
2:5k:280:SER:H	2:6s:249:ALA:C	2.28	0.40
2:5l:66:ILE:O	2:5l:66:ILE:HG23	2.20	0.40
2:6q:145:ARG:CG	2:9K:148[A]:ILE:HG22	2.50	0.40
2:6q:251:VAL:HG22	2:9K:270:ILE:CG2	2.51	0.40
2:6q:252:THR:C	2:9K:270:ILE:HG21	2.45	0.40
2:6s:132:GLY:C	2:7o:136:LEU:HD12	2.47	0.40
2:6t:263:VAL:HG13	2:9L:254:SER:CB	2.51	0.40
2:7r:139:ASN:OD1	2:9L:130:ASP:N	2.36	0.40
2:8w:274:LYS:NZ	2:9I:251:VAL:N	2.68	0.40
2:8z:256:ALA:O	2:9N:259:VAL:CG1	2.69	0.40
2:9I:215:THR:H	2:9I:218:ASN:ND2	2.18	0.40
2:1w:201:VAL:CA	2:3w:193:LYS:HD3	2.50	0.40
2:2u:19:LEU:N	2:2u:41:TYR:O	2.46	0.40
2:2u:242:LEU:CB	2:3v:234:LEU:HD21	2.51	0.40
2:3x:113:SER:O	2:3x:114:ARG:HD2	2.21	0.40
2:5m:97:TYR:OH	2:5m:111:VAL:CB	2.69	0.40
2:9M:173:LEU:CB	2:9J:157:LEU:CD1	2.99	0.40
2:9M:266:LEU:HD11	2:9J:266:LEU:C	2.36	0.40
2:9P:66:ILE:O	2:9P:66:ILE:HG23	2.21	0.40
1:1A:291:GLU:CG	1:1A:343:SER:HB3	2.52	0.40
1:2A:94:GLY:O	1:2A:95:ARG:HB2	2.22	0.40
1:2B:124:MET:HA	1:2B:125:PRO:HD3	1.95	0.40
1:2E:331:SER:OG	1:2E:332:VAL:N	2.55	0.40
1:4E:444:GLY:CA	2:4e:45:LYS:HZ2	2.27	0.40
1:5B:7:ASP:OD1	1:5B:7:ASP:C	2.64	0.40
1:5B:319:TYR:CD1	1:5B:319:TYR:C	2.99	0.40
1:5E:116:GLU:HG3	1:5E:117:GLN:HG3	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:5E:226:LEU:HA	1:5E:227:PRO:HD3	1.86	0.40
1:6F:7:ASP:OD1	1:6F:7:ASP:C	2.64	0.40
1:6F:447:GLN:H	2:6e:56:ASN:N	2.10	0.40
1:7B:59:ASN:ND2	1:8D:151:THR:OG1	2.54	0.40
1:7E:224:LEU:HD22	1:7E:337:ASN:HB3	2.03	0.40
1:7E:248:HIS:CD2	1:7E:278:ASN:HB2	2.57	0.40
1:8A:245:GLU:OE1	1:8A:245:GLU:N	2.34	0.40
1:8C:423:GLU:H	1:8C:423:GLU:CD	2.26	0.40
1:1G:349:VAL:HG21	1:1G:418:VAL:HG11	2.04	0.40
1:1L:58:GLN:O	1:1L:58:GLN:HG2	2.20	0.40
1:2F:447:GLN:O	1:2F:448:ALA:HB3	2.21	0.40
1:2H:105:THR:OG1	1:2H:106:LYS:N	2.55	0.40
1:3K:447:GLN:HA	2:3j:56:ASN:HB2	2.04	0.40
1:4I:334:ARG:O	1:4I:335:PHE:HB2	2.21	0.40
1:4K:202:GLU:O	1:4K:203:PRO:O	2.39	0.40
1:5G:356:PRO:O	1:5G:357:ASN:HB2	2.21	0.40
1:5G:390:GLY:O	1:5G:391:SER:HB3	2.21	0.40
1:5J:97:ILE:HB	1:5J:132:HIS:HB2	2.04	0.40
1:5K:10:THR:O	1:5K:12:LEU:N	2.55	0.40
1:7F:60:ASP:O	1:7F:61:PHE:HB3	2.20	0.40
1:8H:425:LYS:N	1:8H:426:PRO:CD	2.83	0.40
1:8J:314:ASN:OD1	1:8J:314:ASN:C	2.64	0.40
1:8L:393:GLY:O	1:8L:394:THR:C	2.64	0.40
1:1N:358:ILE:O	1:1N:358:ILE:CG2	2.70	0.40
1:2K:362:LYS:HA	1:2K:438:ARG:HB2	2.03	0.40
1:3N:245:GLU:H	1:3N:245:GLU:CD	2.15	0.40
1:3R:228:GLN:OE1	1:3R:228:GLN:N	2.34	0.40
1:5N:319:TYR:CD1	1:5N:319:TYR:C	2.99	0.40
1:6Q:419:ASP:OD1	1:6Q:419:ASP:C	2.62	0.40
1:6R:16:GLU:O	1:6R:16:GLU:HG3	2.22	0.40
1:8M:69:ILE:HA	1:8R:96:THR:HB	2.03	0.40
1:8N:61:PHE:CD2	1:8N:62:ILE:HG13	2.57	0.40
1:8P:314:ASN:OD1	1:8P:314:ASN:C	2.64	0.40
1:8R:203:PRO:O	1:8R:204:THR:C	2.65	0.40
1:1T:28:GLN:HG3	1:1T:29:GLY:H	1.86	0.40
1:1T:124:MET:HA	1:1T:125:PRO:HD3	1.83	0.40
1:1X:81:ASN:OD1	1:1X:81:ASN:C	2.65	0.40
1:1X:422:THR:OG1	1:1X:423:GLU:N	2.54	0.40
1:2P:447:GLN:O	1:2P:448:ALA:HB3	2.21	0.40
1:2Q:446:ALA:CA	2:2q:42:VAL:O	2.69	0.40
1:2T:90:GLN:O	1:2T:91:ILE:C	2.65	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4T:33:LYS:O	1:4T:34:SER:OG	2.35	0.40
1:4T:66:VAL:O	1:4T:66:VAL:CG1	2.68	0.40
1:4X:410:ASN:N	1:4X:410:ASN:OD1	2.53	0.40
1:6U:81:ASN:HA	1:6U:82:PRO:HD2	1.96	0.40
1:6W:134:ARG:HD2	1:6W:327:TRP:HB3	2.04	0.40
1:6W:226:LEU:HA	1:6W:227:PRO:HD3	1.84	0.40
1:6X:145:GLN:NE2	1:5d:110:TYR:OH	2.54	0.40
1:6X:291:GLU:O	1:6X:292:ALA:HB3	2.20	0.40
1:7P:202:GLU:HA	1:7P:203:PRO:HD3	1.88	0.40
1:7R:425:LYS:N	1:7R:426:PRO:HD3	2.37	0.40
1:7S:447:GLN:HG3	2:7o:44:VAL:HG11	2.03	0.40
1:9D:232:ASP:C	1:9D:233:TRP:CG	2.99	0.40
1:1Z:283:ASP:OD1	1:1Z:283:ASP:C	2.64	0.40
1:1a:446:ALA:CA	2:1w:42:VAL:O	2.70	0.40
1:2Y:30:ASP:O	1:2Y:31:ASN:HB2	2.22	0.40
1:3Z:235:SER:HB2	1:3Z:334:ARG:HB2	2.04	0.40
1:3a:447:GLN:O	1:3a:448:ALA:CB	2.70	0.40
1:4Z:377:ASN:OD1	1:4Z:377:ASN:C	2.65	0.40
1:5Z:48:GLY:O	1:5Z:49:ALA:HB3	2.22	0.40
1:5b:145:GLN:HG2	1:5b:319:TYR:HB3	2.02	0.40
1:5c:10:THR:O	1:5c:12:LEU:N	2.55	0.40
1:5d:428:LEU:C	1:5d:428:LEU:CD1	2.94	0.40
1:7X:121:GLU:O	1:7X:122:ARG:HB3	2.22	0.40
2:1e:247:LYS:HE3	2:2Z:280:SER:OG	2.15	0.40
2:1g:200:LEU:O	2:3g:193:LYS:CB	2.54	0.40
2:2Z:175:PHE:CZ	2:1l:175:PHE:HZ	2.39	0.40
2:2b:201:VAL:HG21	2:4e:210:LEU:HD22	2.03	0.40
2:2b:206:VAL:HG11	2:4e:210:LEU:HA	2.02	0.40
2:3e:66:ILE:O	2:3e:66:ILE:HG23	2.20	0.40
2:3h:248:GLY:H	2:2w:239:THR:HG22	1.48	0.40
2:4f:66:ILE:O	2:4f:66:ILE:HG23	2.20	0.40
2:6g:201:VAL:HG22	2:7Z:197:GLN:HG2	2.04	0.40
2:8h:238:THR:C	2:7i:247:LYS:CB	2.91	0.40
2:1i:197:GLN:HG2	2:2e:200:LEU:O	2.21	0.40
2:1j:41:TYR:OH	2:1j:57:MET:SD	2.76	0.40
2:1k:28:ILE:HB	2:3k:73:VAL:HG13	2.04	0.40
2:2e:210:LEU:CD2	2:1p:206:VAL:HG11	2.43	0.40
2:2g:125:ILE:HA	2:4g:120:ILE:O	2.22	0.40
2:2i:269:LEU:CD1	2:3o:279:ILE:HD13	2.51	0.40
2:4h:91:PRO:O	2:4h:92:SER:CB	2.69	0.40
2:5g:183:PHE:CD2	2:6k:183:PHE:HE2	2.39	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5g:263:VAL:CG2	2:6k:262:ALA:HB2	2.49	0.40
2:6j:214:PRO:CG	2:7k:225:MET:CG	2.99	0.40
2:6j:226:ILE:HB	2:5j:222:LEU:HB2	2.04	0.40
2:6k:225:MET:HG3	2:7e:214:PRO:HD3	1.99	0.40
2:8l:97:TYR:OH	2:8l:111:VAL:CB	2.69	0.40
2:8m:263:VAL:HG11	2:8q:255:THR:HA	2.04	0.40
2:1n:227:GLY:HA3	2:2k:223:ARG:NH1	2.36	0.40
2:1o:28:ILE:HB	2:3o:73:VAL:HG13	2.04	0.40
2:2j:223:ARG:NH1	2:1t:226:ILE:O	2.54	0.40
2:2l:209:LEU:HG	2:3m:206:VAL:HG22	2.03	0.40
2:2l:227:GLY:O	2:4i:230:VAL:HA	2.22	0.40
2:3m:184:LEU:HA	2:4i:180:VAL:HG11	2.04	0.40
2:3p:113:SER:O	2:3p:114:ARG:HD2	2.21	0.40
2:6n:183:PHE:CZ	2:7p:196:LEU:HD22	2.57	0.40
2:6n:212:GLY:CA	2:7p:203:ASN:ND2	2.85	0.40
2:6n:226:ILE:HB	2:5l:222:LEU:HB2	2.04	0.40
2:6o:148[B]:ILE:HD12	2:7j:148[B]:ILE:HD11	2.03	0.40
2:6p:108:VAL:O	2:6p:108:VAL:HG13	2.19	0.40
2:7m:145:ARG:CG	2:8v:148[A]:ILE:CG2	2.95	0.40
2:7m:251:VAL:CG2	2:8v:270:ILE:HG21	2.34	0.40
2:7n:242:LEU:CD2	2:8r:245:VAL:N	2.84	0.40
2:8q:209:LEU:HD22	2:9H:209:LEU:HD21	1.85	0.40
2:8u:73:VAL:HG11	2:7q:27:ILE:C	2.47	0.40
2:1s:274:LYS:HD3	2:3s:251:VAL:H	1.86	0.40
2:2o:136:LEU:HA	2:1x:132:GLY:HA3	2.04	0.40
2:2o:175:PHE:CZ	2:1x:175:PHE:HZ	2.39	0.40
2:2q:148[B]:ILE:CD1	2:3q:148[B]:ILE:HD12	2.52	0.40
2:2q:227:GLY:O	2:4k:230:VAL:HA	2.22	0.40
2:2q:246:LYS:HG2	2:3q:241:THR:N	2.37	0.40
2:2r:201:VAL:HG13	2:3x:210:LEU:HD22	1.87	0.40
2:5l:91:PRO:O	2:5l:92:SER:CB	2.69	0.40
2:6r:111:VAL:HG22	2:7u:57:MET:SD	2.61	0.40
2:6r:242:LEU:HD23	2:5n:245:VAL:N	2.36	0.40
2:6s:180:VAL:CG1	2:7o:184:LEU:HD23	2.51	0.40
2:6s:270:ILE:HG12	2:7o:269:LEU:CD2	2.52	0.40
2:8w:227:GLY:HA3	2:9I:219:LYS:HE2	1.56	0.40
2:8z:57:MET:HE2	2:7x:111:VAL:HG13	2.02	0.40
2:9K:73:VAL:HG11	2:7v:27:ILE:C	2.47	0.40
2:9K:179:ASN:ND2	2:9K:192:ASN:HD22	2.11	0.40
2:9L:91:PRO:O	2:9L:92:SER:CB	2.69	0.40
2:1w:97:TYR:OH	2:1w:111:VAL:CB	2.69	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1w:200:LEU:C	2:3w:193:LYS:CG	2.95	0.40
2:1w:234:LEU:CD1	2:3w:234:LEU:CG	2.94	0.40
2:2v:53:THR:OG1	2:2v:54:GLN:N	2.51	0.40
2:2v:227:GLY:O	2:4m:230:VAL:HA	2.22	0.40
2:2x:19:LEU:N	2:2x:41:TYR:O	2.46	0.40
2:3v:179:ASN:ND2	2:3v:192:ASN:HD22	2.11	0.40
2:3w:76:ASN:HD21	2:3w:116:LYS:HD3	1.78	0.40
2:5m:111:VAL:HG22	2:7t:57:MET:CG	2.51	0.40
2:6w:201:VAL:HG22	2:7t:197:GLN:HG2	2.04	0.40
2:6w:270:ILE:HG12	2:7t:269:LEU:CD2	2.52	0.40
2:9M:225:MET:HG3	2:9J:214:PRO:HD2	1.87	0.40
2:9M:278:ILE:HG23	2:9J:278:ILE:CD1	1.90	0.40
2:9P:179:ASN:ND2	2:9P:192:ASN:HD22	2.11	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

There are no protein backbone outliers to report in this entry.

5.3.2 Protein sidechains [i](#)

There are no protein residues with a non-rotameric sidechain to report in this entry.

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

5.5 Carbohydrates [i](#)

There are no oligosaccharides 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.

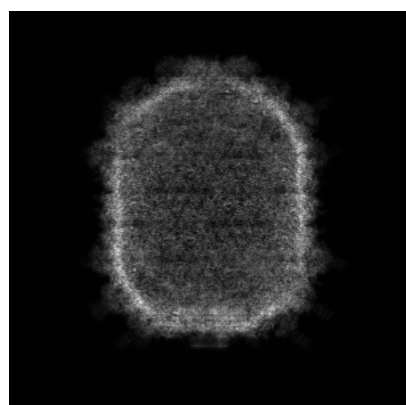
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-4655. These allow visual inspection of the internal detail of the map and identification of artifacts.

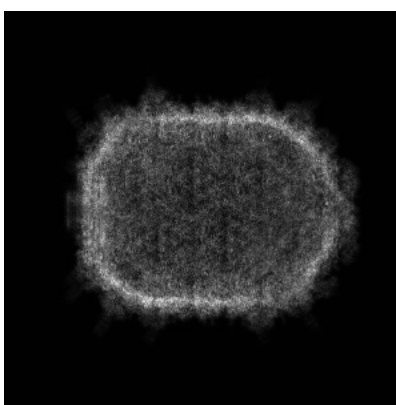
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections [i](#)

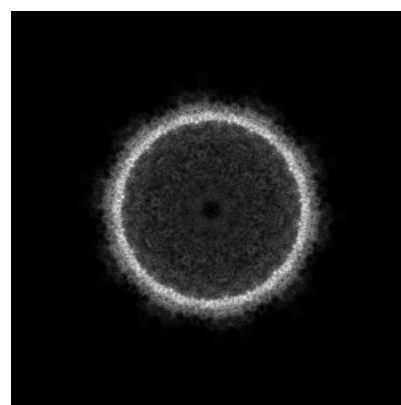
6.1.1 Primary map



X



Y



Z

The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

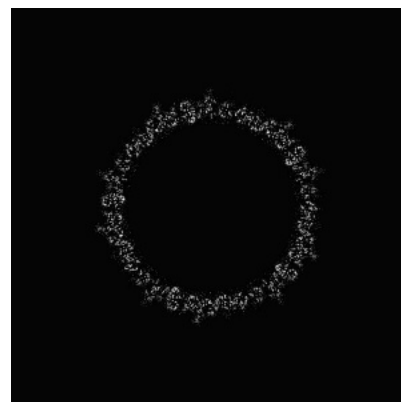
6.2.1 Primary map



X Index: 352



Y Index: 352

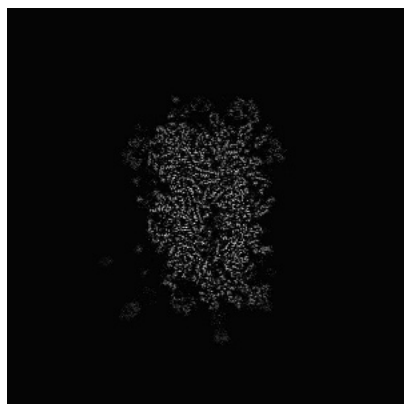


Z Index: 352

The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

6.3.1 Primary map



X Index: 511



Y Index: 192

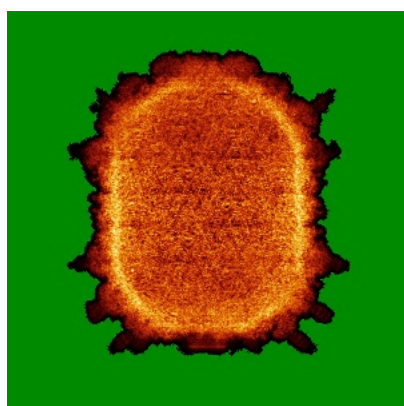


Z Index: 280

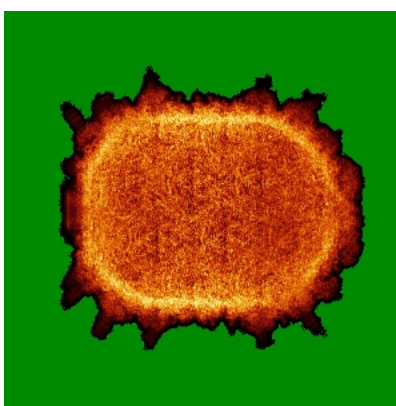
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

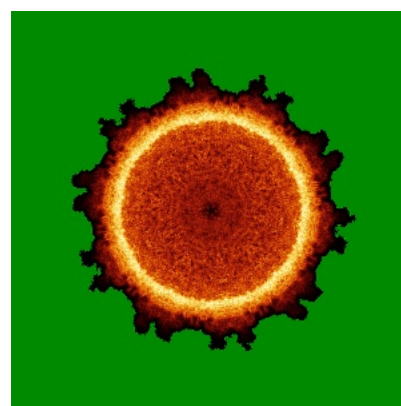
6.4.1 Primary map



X



Y



Z

The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views

This section was not generated.

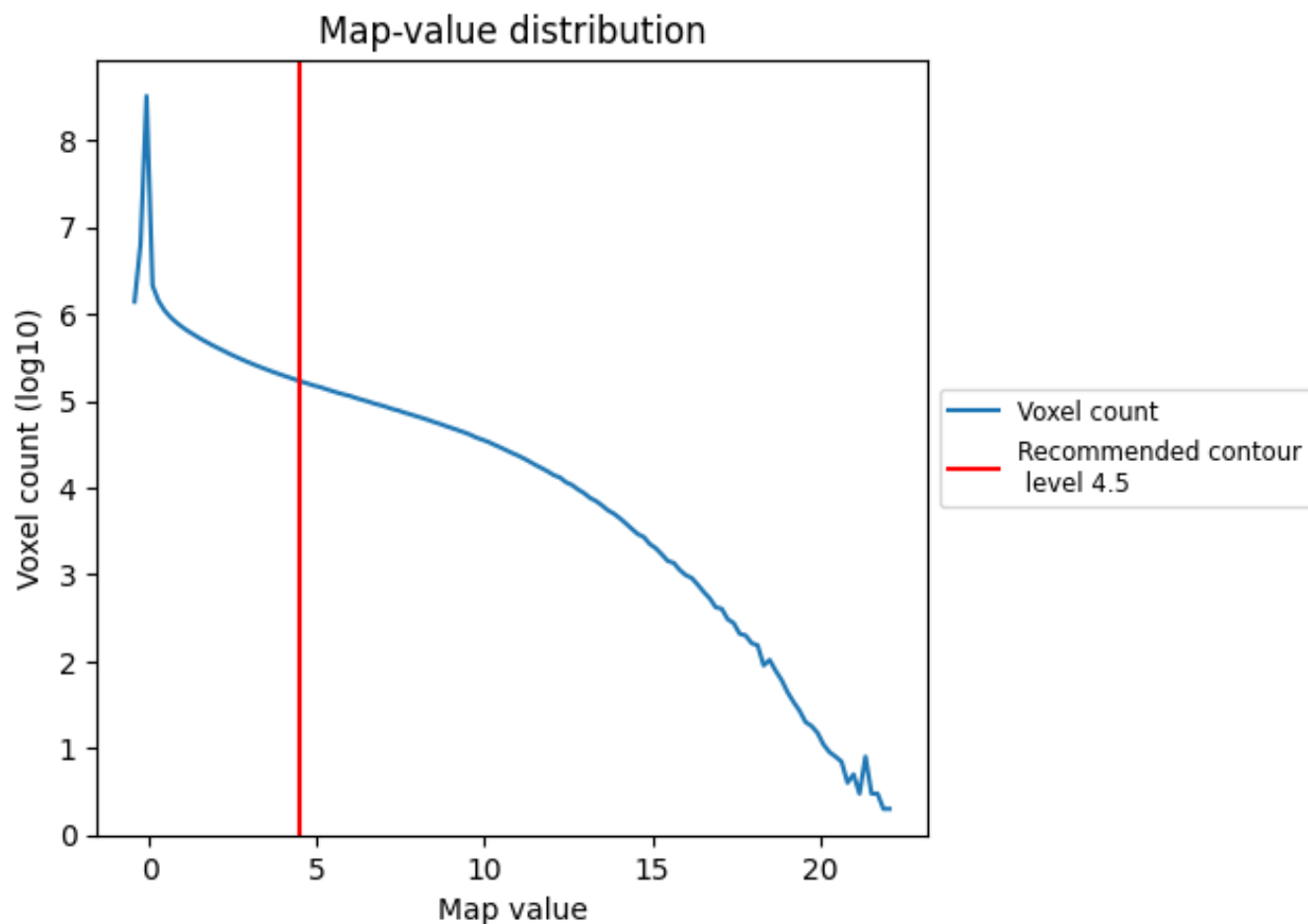
6.6 Mask visualisation

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

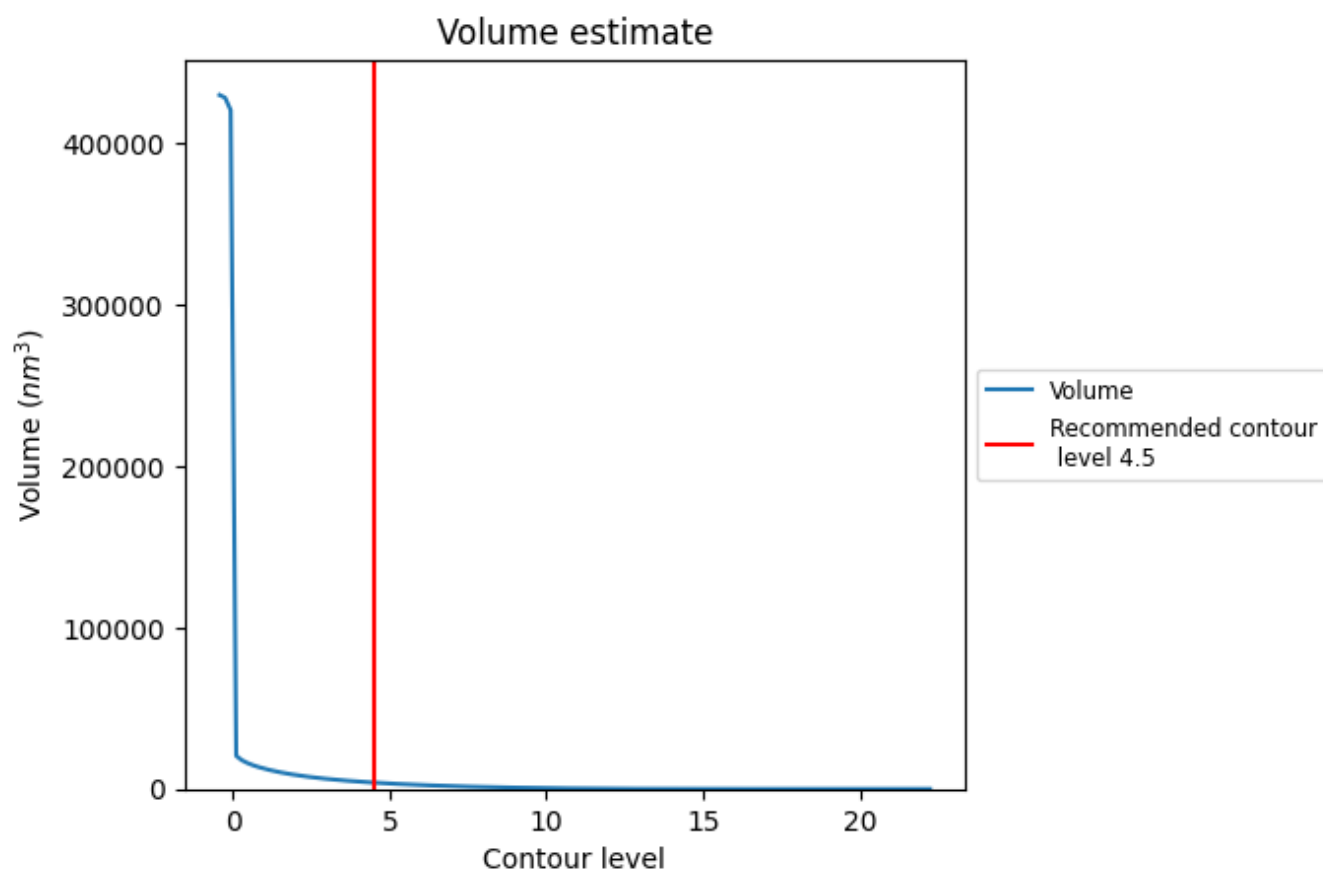
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

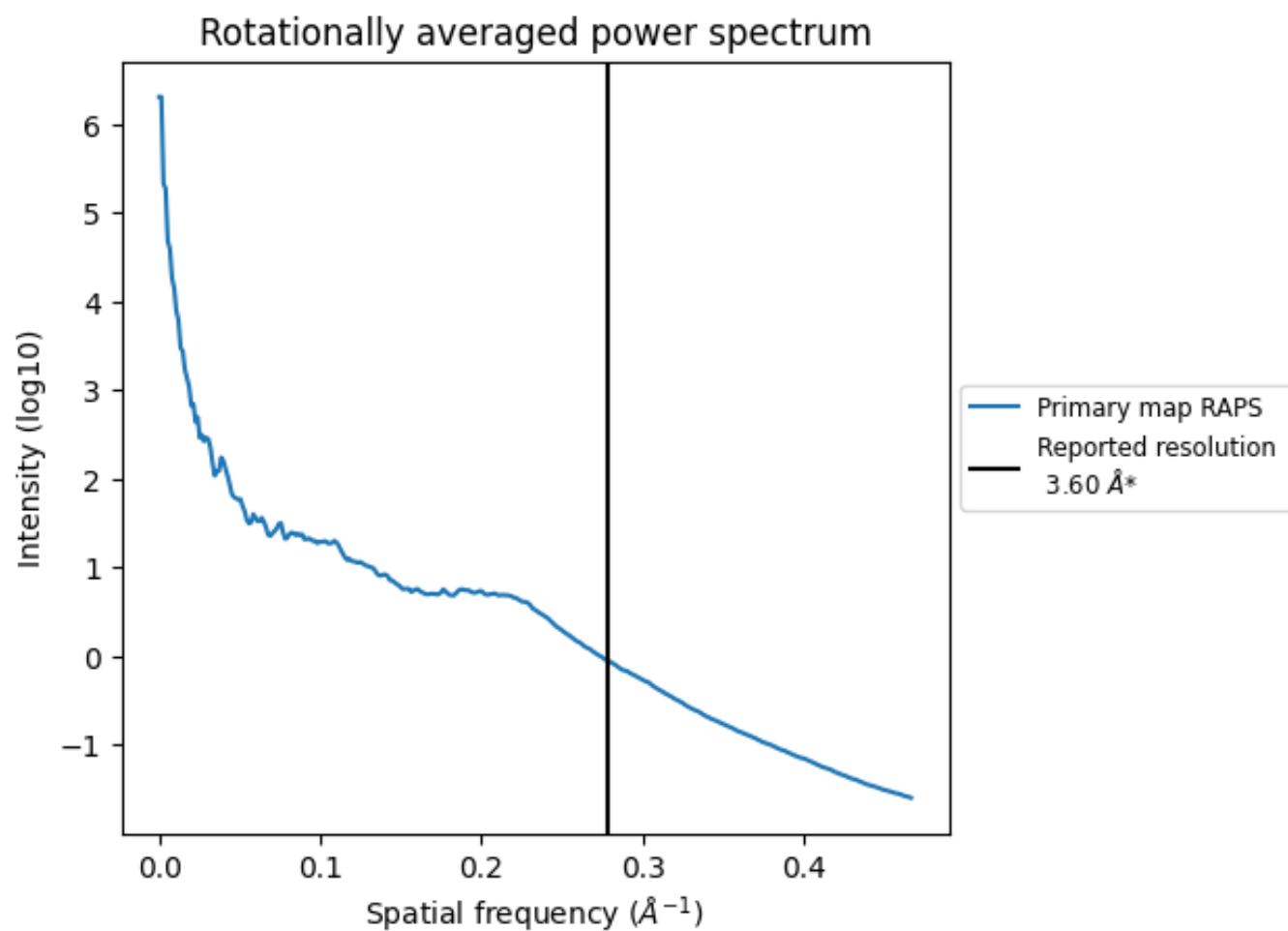
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 3930 nm^3 ; this corresponds to an approximate mass of 3550 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

7.3 Rotationally averaged power spectrum ⓘ



*Reported resolution corresponds to spatial frequency of 0.278 Å⁻¹

8 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

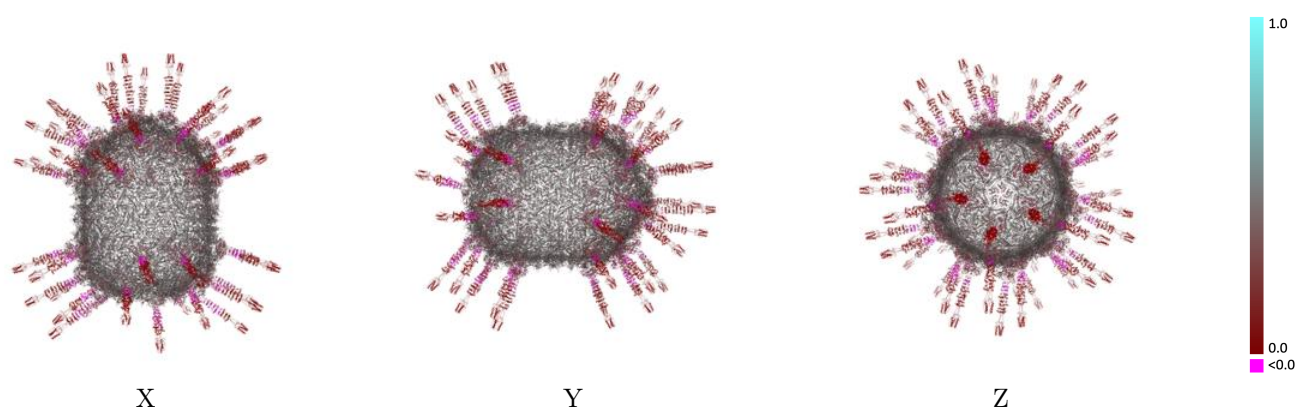
9 Map-model fit [i](#)

This section contains information regarding the fit between EMDB map EMD-4655 and PDB model 6QVK. Per-residue inclusion information can be found in section 3 on page 47.

9.1 Map-model overlay [i](#)

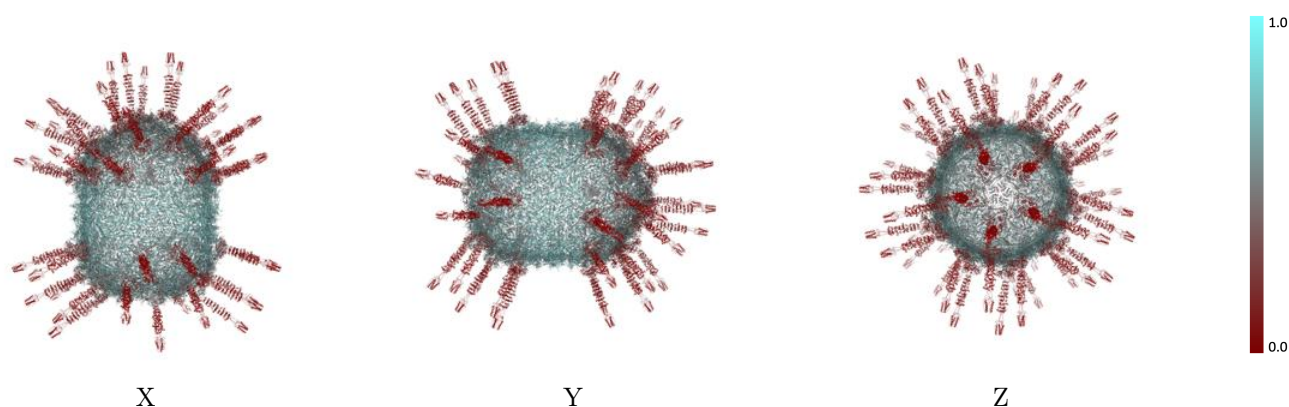
This section was not generated.

9.2 Q-score mapped to coordinate model [i](#)



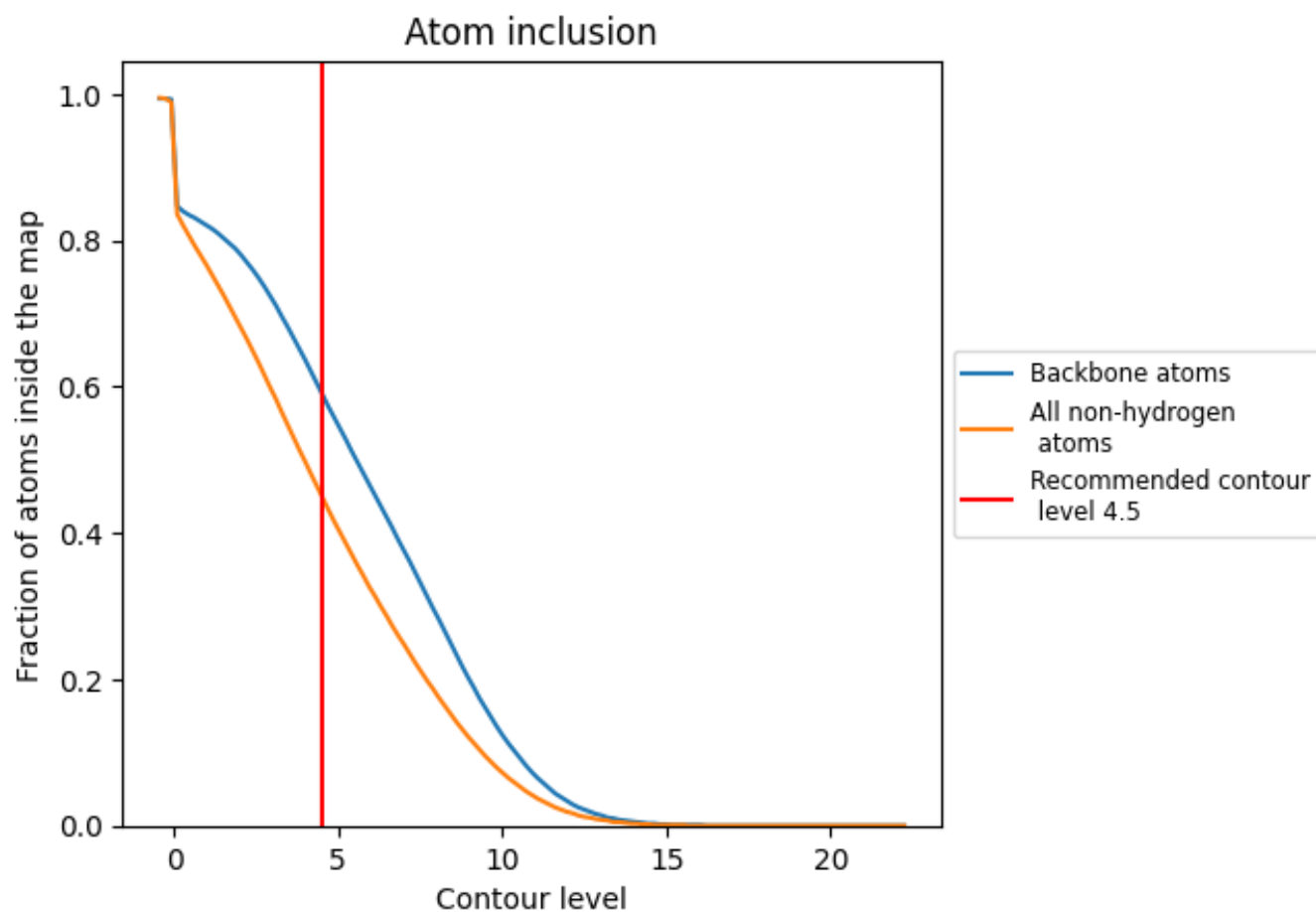
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

9.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (4.5).

9.4 Atom inclusion [i](#)



At the recommended contour level, 59% of all backbone atoms, 45% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary ⓘ

The table lists the average atom inclusion at the recommended contour level (4.5) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	0.4510	0.3280
1A	0.5290	0.4160
1B	0.6150	0.4310
1C	0.6070	0.4240
1D	0.6260	0.4330
1E	0.6050	0.4310
1F	0.5260	0.4070
1G	0.5250	0.4130
1H	0.6180	0.4320
1I	0.6070	0.4240
1J	0.6270	0.4330
1K	0.6040	0.4320
1L	0.5280	0.4080
1M	0.5300	0.4130
1N	0.6160	0.4330
1O	0.6080	0.4240
1P	0.6260	0.4320
1Q	0.6020	0.4320
1R	0.5240	0.4090
1S	0.5290	0.4130
1T	0.6170	0.4310
1U	0.6080	0.4230
1V	0.6230	0.4320
1W	0.6040	0.4320
1X	0.5240	0.4100
1Y	0.5300	0.4130
1Z	0.6180	0.4310
1a	0.6100	0.4230
1b	0.6260	0.4330
1c	0.6010	0.4320
1d	0.5250	0.4070
1e	0.1460	0.1390
1f	0.0930	0.1260
1g	0.1580	0.1300
1h	0.1680	0.1580



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Chain	Atom inclusion	Q-score
1i	0.1430	0.1360
1j	0.0940	0.1270
1k	0.1530	0.1290
1l	0.1690	0.1560
1m	0.1360	0.1260
1n	0.0900	0.1230
1o	0.1530	0.1310
1p	0.1690	0.1570
1q	0.1350	0.1260
1r	0.0880	0.1200
1s	0.1540	0.1260
1t	0.1690	0.1540
1u	0.1400	0.1330
1v	0.0950	0.1260
1w	0.1520	0.1300
1x	0.1680	0.1560
2A	0.6060	0.4300
2B	0.6180	0.4310
2C	0.5950	0.4240
2D	0.5970	0.4290
2E	0.5910	0.4250
2F	0.6020	0.4300
2G	0.6160	0.4290
2H	0.5980	0.4230
2I	0.5970	0.4280
2J	0.5860	0.4240
2K	0.6060	0.4310
2L	0.6170	0.4310
2M	0.5960	0.4240
2N	0.6000	0.4280
2O	0.5900	0.4240
2P	0.6080	0.4290
2Q	0.6190	0.4310
2R	0.5960	0.4230
2S	0.6000	0.4280
2T	0.5910	0.4230
2U	0.6080	0.4300
2V	0.6160	0.4290
2W	0.5980	0.4230
2X	0.5970	0.4290
2Y	0.5910	0.4230
2Z	0.1670	0.1460

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Chain	Atom inclusion	Q-score
2a	 0.1110	 0.1400
2b	 0.1620	 0.1410
2c	 0.0740	 0.1100
2d	 0.1650	 0.1460
2e	 0.1720	 0.1480
2f	 0.1130	 0.1420
2g	 0.1660	 0.1450
2h	 0.0800	 0.1160
2i	 0.1670	 0.1520
2j	 0.1680	 0.1380
2k	 0.1110	 0.1350
2l	 0.1570	 0.1370
2m	 0.0800	 0.1130
2n	 0.1660	 0.1480
2o	 0.1690	 0.1340
2p	 0.1110	 0.1320
2q	 0.1550	 0.1300
2r	 0.0780	 0.1090
2s	 0.1640	 0.1460
2t	 0.1700	 0.1400
2u	 0.1130	 0.1360
2v	 0.1560	 0.1390
2w	 0.0750	 0.1100
2x	 0.1650	 0.1450
3A	 0.6590	 0.4270
3B	 0.6640	 0.4230
3C	 0.6710	 0.4240
3D	 0.6450	 0.4320
3E	 0.6410	 0.4350
3F	 0.6450	 0.4310
3G	 0.6590	 0.4270
3H	 0.6630	 0.4220
3I	 0.6700	 0.4260
3J	 0.6440	 0.4320
3K	 0.6450	 0.4350
3L	 0.6430	 0.4300
3M	 0.6570	 0.4260
3N	 0.6650	 0.4220
3O	 0.6730	 0.4260
3P	 0.6440	 0.4330
3Q	 0.6430	 0.4370
3R	 0.6430	 0.4300

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Chain	Atom inclusion	Q-score
3S	 0.6590	 0.4240
3T	 0.6630	 0.4230
3U	 0.6680	 0.4270
3V	 0.6450	 0.4300
3W	 0.6430	 0.4350
3X	 0.6460	 0.4300
3Y	 0.6610	 0.4260
3Z	 0.6600	 0.4220
3a	 0.6670	 0.4240
3b	 0.6450	 0.4310
3c	 0.6430	 0.4360
3d	 0.6430	 0.4300
3e	 0.1400	 0.1230
3f	 0.0890	 0.1100
3g	 0.1640	 0.1300
3h	 0.0700	 0.1020
3i	 0.1460	 0.1250
3j	 0.0860	 0.1080
3k	 0.1590	 0.1300
3l	 0.0740	 0.1000
3m	 0.1420	 0.1190
3n	 0.0880	 0.1090
3o	 0.1710	 0.1410
3p	 0.0790	 0.1080
3q	 0.1380	 0.1150
3r	 0.0810	 0.1030
3s	 0.1780	 0.1420
3t	 0.0770	 0.1070
3u	 0.1410	 0.1180
3v	 0.0840	 0.1050
3w	 0.1750	 0.1390
3x	 0.0760	 0.1060
4A	 0.6630	 0.4350
4B	 0.6720	 0.4210
4C	 0.6790	 0.4260
4D	 0.6840	 0.4380
4E	 0.6600	 0.4230
4F	 0.6600	 0.4370
4G	 0.6620	 0.4360
4H	 0.6720	 0.4200
4I	 0.6810	 0.4250
4J	 0.6800	 0.4370

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Chain	Atom inclusion	Q-score
4K	 0.6570	 0.4230
4L	 0.6570	 0.4370
4M	 0.6650	 0.4360
4N	 0.6770	 0.4200
4O	 0.6840	 0.4270
4P	 0.6810	 0.4370
4Q	 0.6590	 0.4240
4R	 0.6560	 0.4360
4S	 0.6650	 0.4350
4T	 0.6750	 0.4200
4U	 0.6820	 0.4270
4V	 0.6790	 0.4370
4W	 0.6590	 0.4210
4X	 0.6570	 0.4340
4Y	 0.6640	 0.4350
4Z	 0.6700	 0.4200
4a	 0.6790	 0.4250
4b	 0.6830	 0.4380
4c	 0.6610	 0.4220
4d	 0.6570	 0.4360
4e	 0.1430	 0.1200
4f	 0.0790	 0.1110
4g	 0.1430	 0.1230
4h	 0.0860	 0.1220
4i	 0.1450	 0.1150
4j	 0.0810	 0.1190
4k	 0.1420	 0.1060
4l	 0.0810	 0.1110
4m	 0.1430	 0.1120
4n	 0.0790	 0.1100
5A	 0.6350	 0.4180
5B	 0.6710	 0.4220
5C	 0.6830	 0.4340
5D	 0.6760	 0.4330
5E	 0.6370	 0.4160
5F	 0.6210	 0.4110
5G	 0.6350	 0.4200
5H	 0.6710	 0.4220
5I	 0.6820	 0.4340
5J	 0.6760	 0.4320
5K	 0.6380	 0.4170
5L	 0.6180	 0.4100

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Chain	Atom inclusion	Q-score
5M	 0.6360	 0.4180
5N	 0.6660	 0.4210
5O	 0.6830	 0.4340
5P	 0.6750	 0.4340
5Q	 0.6390	 0.4160
5R	 0.6200	 0.4100
5S	 0.6330	 0.4180
5T	 0.6700	 0.4220
5U	 0.6790	 0.4310
5V	 0.6800	 0.4300
5W	 0.6390	 0.4160
5X	 0.6190	 0.4100
5Y	 0.6360	 0.4170
5Z	 0.6680	 0.4210
5a	 0.6830	 0.4330
5b	 0.6770	 0.4310
5c	 0.6420	 0.4150
5d	 0.6190	 0.4100
5e	 0.0760	 0.1000
5f	 0.0300	 0.0910
5g	 0.0750	 0.1060
5h	 0.0360	 0.0970
5i	 0.0750	 0.0990
5j	 0.0410	 0.1100
5k	 0.0650	 0.0890
5l	 0.0350	 0.1030
5m	 0.0690	 0.0950
5n	 0.0350	 0.0960
6A	 0.5760	 0.4080
6B	 0.5980	 0.4150
6C	 0.6180	 0.4130
6D	 0.6470	 0.4140
6E	 0.6380	 0.4190
6F	 0.6200	 0.4190
6G	 0.5800	 0.4090
6H	 0.5970	 0.4150
6I	 0.6230	 0.4130
6J	 0.6480	 0.4150
6K	 0.6370	 0.4180
6L	 0.6240	 0.4190
6M	 0.5800	 0.4090
6N	 0.6000	 0.4140

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Chain	Atom inclusion	Q-score
6O	 0.6230	 0.4130
6P	 0.6490	 0.4130
6Q	 0.6360	 0.4180
6R	 0.6240	 0.4200
6S	 0.5820	 0.4090
6T	 0.5990	 0.4130
6U	 0.6220	 0.4140
6V	 0.6500	 0.4130
6W	 0.6380	 0.4180
6X	 0.6210	 0.4180
6Y	 0.5800	 0.4080
6Z	 0.6000	 0.4130
6a	 0.6200	 0.4130
6b	 0.6490	 0.4120
6c	 0.6420	 0.4180
6d	 0.6260	 0.4180
6e	 0.0700	 0.0780
6f	 0.0340	 0.0900
6g	 0.0700	 0.0930
6h	 0.0280	 0.0840
6i	 0.0870	 0.0910
6j	 0.0360	 0.1010
6k	 0.0740	 0.1030
6l	 0.0280	 0.0900
6m	 0.0780	 0.0830
6n	 0.0330	 0.0920
6o	 0.0780	 0.1070
6p	 0.0300	 0.0910
6q	 0.0670	 0.0670
6r	 0.0340	 0.0880
6s	 0.0720	 0.0970
6t	 0.0330	 0.0900
6u	 0.0700	 0.0690
6v	 0.0340	 0.0880
6w	 0.0700	 0.0920
6x	 0.0250	 0.0870
7A	 0.5050	 0.3990
7B	 0.5040	 0.4010
7C	 0.5140	 0.4040
7D	 0.5280	 0.4040
7E	 0.5120	 0.3930
7F	 0.5010	 0.4010

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Chain	Atom inclusion	Q-score
7G	 0.5080	 0.4010
7H	 0.5100	 0.4050
7I	 0.5300	 0.4040
7J	 0.5110	 0.3940
7K	 0.5060	 0.4010
7L	 0.5050	 0.4030
7M	 0.5110	 0.4030
7N	 0.5290	 0.4030
7O	 0.5130	 0.3930
7P	 0.5020	 0.3990
7Q	 0.5030	 0.4030
7R	 0.5120	 0.4020
7S	 0.5310	 0.4000
7T	 0.5100	 0.3920
7U	 0.5030	 0.3990
7V	 0.5070	 0.4020
7W	 0.5150	 0.4030
7X	 0.5260	 0.4020
7Y	 0.5170	 0.3930
7Z	 0.0900	 0.1180
7a	 0.0380	 0.0960
7b	 0.0690	 0.0990
7c	 0.0350	 0.0780
7d	 0.0600	 0.0990
7e	 0.0980	 0.1230
7f	 0.0410	 0.0970
7g	 0.0710	 0.1010
7h	 0.0380	 0.0890
7i	 0.0640	 0.1050
7j	 0.0960	 0.1190
7k	 0.0390	 0.1030
7l	 0.0760	 0.1130
7m	 0.0480	 0.1060
7n	 0.0670	 0.1120
7o	 0.0840	 0.1070
7p	 0.0410	 0.1000
7q	 0.0700	 0.1100
7r	 0.0390	 0.0950
7s	 0.0610	 0.1080
7t	 0.0870	 0.1130
7u	 0.0360	 0.0970
7v	 0.0710	 0.1030

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Chain	Atom inclusion	Q-score
7w	 0.0350	 0.0850
7x	 0.0590	 0.1020
8A	 0.5420	 0.4110
8B	 0.5340	 0.4050
8C	 0.5530	 0.4110
8D	 0.5550	 0.4120
8E	 0.5620	 0.4090
8F	 0.5380	 0.4150
8G	 0.5430	 0.4110
8H	 0.5330	 0.4060
8I	 0.5550	 0.4120
8J	 0.5530	 0.4120
8K	 0.5600	 0.4100
8L	 0.5380	 0.4150
8M	 0.5430	 0.4100
8N	 0.5280	 0.4040
8O	 0.5550	 0.4110
8P	 0.5550	 0.4100
8Q	 0.5610	 0.4080
8R	 0.5340	 0.4150
8S	 0.5420	 0.4090
8T	 0.5300	 0.4040
8U	 0.5500	 0.4110
8V	 0.5560	 0.4090
8W	 0.5600	 0.4060
8X	 0.5380	 0.4140
8Y	 0.5410	 0.4090
8Z	 0.5310	 0.4040
8a	 0.5480	 0.4110
8b	 0.5540	 0.4100
8c	 0.5640	 0.4080
8d	 0.5360	 0.4130
8e	 0.0520	 0.1020
8f	 0.0370	 0.0830
8g	 0.0550	 0.1200
8h	 0.0410	 0.0740
8i	 0.0560	 0.0840
8j	 0.0290	 0.0720
8k	 0.0550	 0.0990
8l	 0.0430	 0.0890
8m	 0.0510	 0.1100
8n	 0.0570	 0.0960

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Chain	Atom inclusion	Q-score
8o	 0.0680	 0.1000
8p	 0.0380	 0.0870
8q	 0.0580	 0.0890
8r	 0.0440	 0.1030
8s	 0.0490	 0.0980
8t	 0.0500	 0.0930
8u	 0.0650	 0.0960
8v	 0.0420	 0.1080
8w	 0.0480	 0.0870
8x	 0.0490	 0.1070
8y	 0.0500	 0.0970
8z	 0.0420	 0.0770
9A	 0.4630	 0.4000
9B	 0.4650	 0.3990
9C	 0.4680	 0.4020
9D	 0.4670	 0.4010
9E	 0.4670	 0.3980
9F	 0.0590	 0.1160
9G	 0.0600	 0.1210
9H	 0.0570	 0.1070
9I	 0.0570	 0.0970
9J	 0.0580	 0.1040
9K	 0.0540	 0.0840
9L	 0.0390	 0.1040
9M	 0.0540	 0.0910
9N	 0.0400	 0.0930
9O	 0.0570	 0.1120
9P	 0.0330	 0.0630
9Q	 0.0490	 0.0740
9R	 0.0330	 0.0880