



Full wwPDB EM Validation Report ⓘ

Sep 21, 2026 – 05:10 PM EDT

PDB ID : 12UT / pdb_000012ut
EMDB ID : EMD-76771
Title : The AAV2 capsid in complex with IgA-Fab#3-2
Authors : Zachery, J.; Mietzsch, M.; McKenna, R.
Deposited on : 2026-04-20
Resolution : 2.48 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.dev133
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) : 2.50

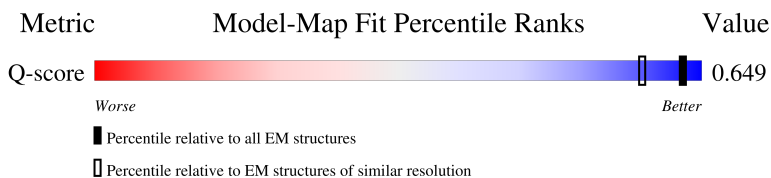
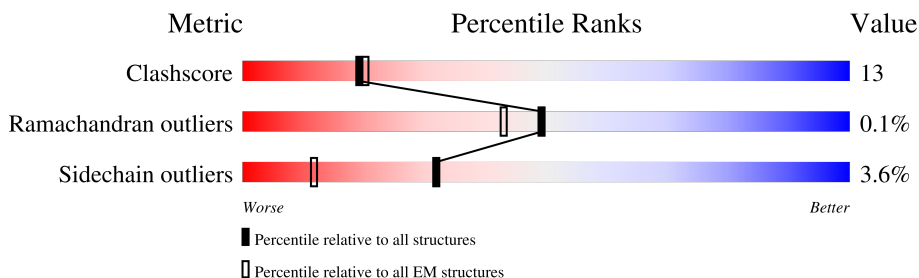
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 2.48 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.



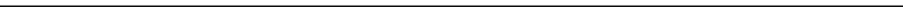
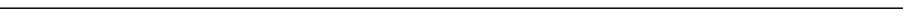
Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	6178 (1.98 - 2.98)

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	0	533	84% 12% ..
1	1	533	84% 12% ..
1	2	533	85% 12% ..
1	3	533	85% 12% ..

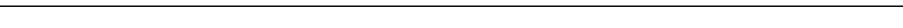
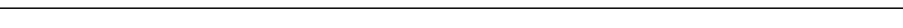
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Mol	Chain	Length	Quality of chain
1	4	533	 85% 12% ..
1	5	533	 84% 12% ..
1	6	533	 84% 12% ..
1	7	533	 85% 12% ..
1	A	533	 84% 12% ..
1	B	533	 85% 12% ..
1	C	533	 84% 12% ..
1	D	533	 85% 12% ..
1	E	533	 85% 12% ..
1	F	533	 84% 12% ..
1	G	533	 85% 12% ..
1	H	533	 84% 12% ..
1	I	533	 85% 12% ..
1	J	533	 85% 12% ..
1	K	533	 84% 12% ..
1	L	533	 85% 12% ..
1	M	533	 84% 12% ..
1	N	533	 84% 12% ..
1	O	533	 85% 12% ..
1	P	533	 84% 12% ..
1	Q	533	 85% 11% ..
1	R	533	 85% 12% ..
1	S	533	 85% 12% ..
1	T	533	 85% 12% ..
1	U	533	 85% 12% ..

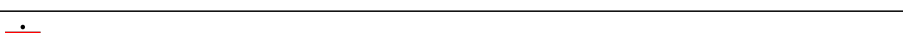
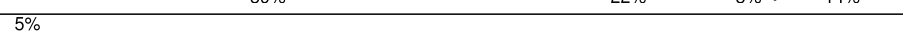
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Mol	Chain	Length	Quality of chain
1	V	533	 85% 12% ..
1	W	533	 85% 12% ..
1	X	533	 85% 12% ..
1	Y	533	 85% 12% ..
1	Z	533	 85% 11% ..
1	a	533	 85% 12% ..
1	b	533	 84% 12% ..
1	c	533	 84% 12% ..
1	d	533	 85% 12% ..
1	e	533	 84% 12% ..
1	f	533	 85% 12% ..
1	g	533	 85% 12% ..
1	h	533	 85% 12% ..
1	i	533	 85% 12% ..
1	j	533	 85% 12% ..
1	k	533	 85% 12% ..
1	l	533	 85% 12% ..
1	m	533	 84% 12% ..
1	n	533	 84% 13% ..
1	o	533	 85% 12% ..
1	p	533	 85% 11% ..
1	q	533	 85% 12% ..
1	r	533	 85% 11% ..
1	s	533	 85% 12% ..
1	t	533	 85% 12% ..

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Mol	Chain	Length	Quality of chain
1	u	533	 84% 12% . .
1	v	533	 85% 12% . .
1	w	533	 85% 12% . .
1	x	533	 84% 12% . .
1	y	533	 85% 11% . .
1	z	533	 85% 12% . .
2	0h	153	 5% 59% 22% 5% . 14%
2	1h	153	 5% 59% 22% 5% . 14%
2	2h	153	 5% 59% 22% 5% . 14%
2	3h	153	 5% 58% 24% 5% . 14%
2	4h	153	 5% 58% 24% 5% . 14%
2	5h	153	 5% 57% 24% 5% . 14%
2	6h	153	 5% 59% 22% 5% . 14%
2	7h	153	 5% 58% 23% 5% . 14%
2	Ah	153	 5% 59% 22% 5% . 14%
2	Bh	153	 5% 58% 24% 5% . 14%
2	Ch	153	 5% 57% 24% 5% . 14%
2	Dh	153	 5% 59% 22% 5% . 14%
2	Eh	153	 7% 59% 22% 5% . 14%
2	Fh	153	 7% 59% 22% 5% . 14%
2	Gh	153	 7% 57% 24% 5% . 14%
2	Hh	153	 5% 58% 23% 5% . 14%
2	Ih	153	 5% 58% 23% 5% . 14%
2	Jh	153	 5% 59% 22% 5% . 14%
2	Kh	153	 5% 59% 22% 5% . 14%

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Mol	Chain	Length	Quality of chain
2	Lh	153	
2	Mh	153	
2	Nh	153	
2	Oh	153	
2	Ph	153	
2	Qh	153	
2	Rh	153	
2	Sh	153	
2	Th	153	
2	Uh	153	
2	Vh	153	
2	Wh	153	
2	Xh	153	
2	Yh	153	
2	Zh	153	
2	ah	153	
2	bh	153	
2	ch	153	
2	dh	153	
2	eh	153	
2	fh	153	
2	gh	153	
2	hh	153	
2	ih	153	
2	jh	153	

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Mol	Chain	Length	Quality of chain
2	kh	153	
2	lh	153	
2	mh	153	
2	nh	153	
2	oh	153	
2	ph	153	
2	qh	153	
2	rh	153	
2	sh	153	
2	th	153	
2	uh	153	
2	vh	153	
2	wh	153	
2	xh	153	
2	yh	153	
2	zh	153	
3	0l	130	
3	1l	130	
3	2l	130	
3	3l	130	
3	4l	130	
3	5l	130	
3	6l	130	
3	7l	130	
3	Al	130	

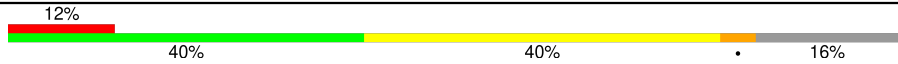
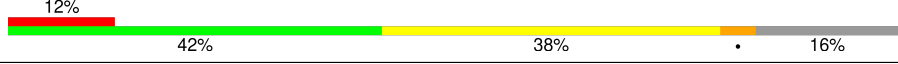
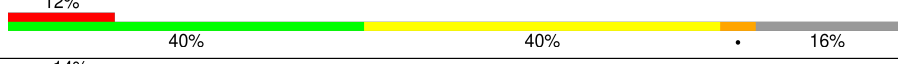
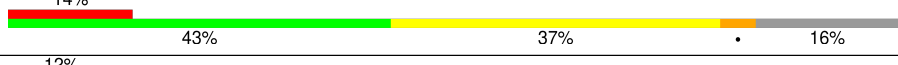
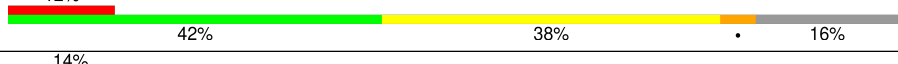
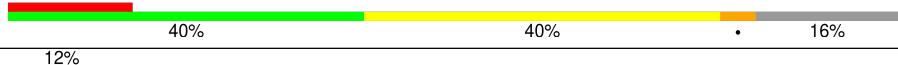
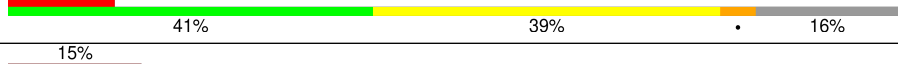
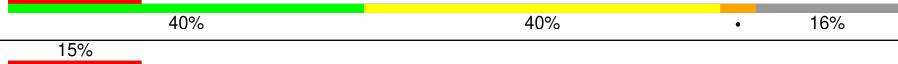
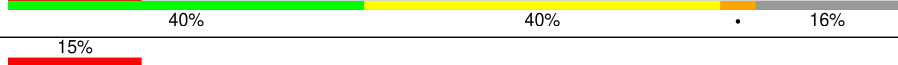
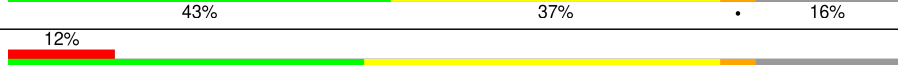
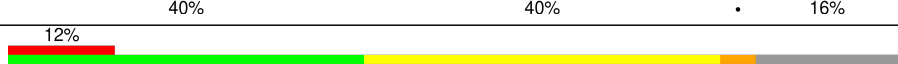
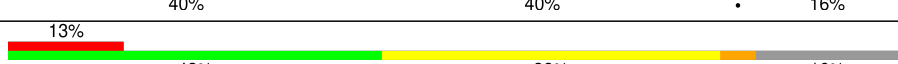
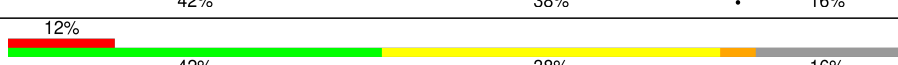
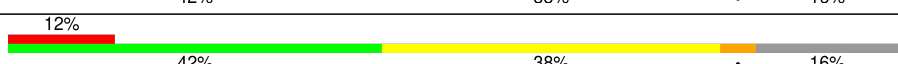
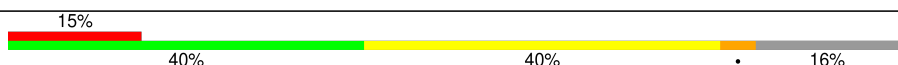
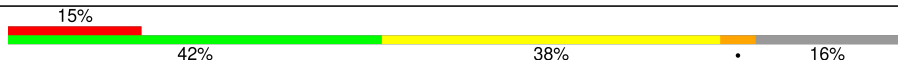
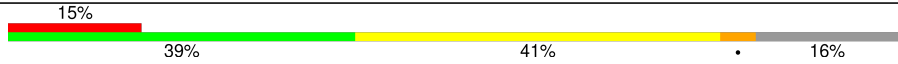
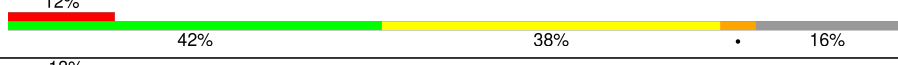
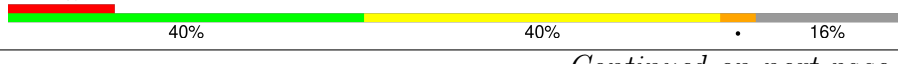
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Mol	Chain	Length	Quality of chain
3	B1	130	
3	C1	130	
3	D1	130	
3	E1	130	
3	F1	130	
3	G1	130	
3	H1	130	
3	I1	130	
3	J1	130	
3	K1	130	
3	L1	130	
3	M1	130	
3	N1	130	
3	O1	130	
3	P1	130	
3	Q1	130	
3	R1	130	
3	S1	130	
3	T1	130	
3	U1	130	
3	V1	130	
3	W1	130	
3	X1	130	
3	Y1	130	
3	Z1	130	

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Mol	Chain	Length	Quality of chain
3	al	130	
3	bl	130	
3	cl	130	
3	dl	130	
3	el	130	
3	fl	130	
3	gl	130	
3	hl	130	
3	il	130	
3	jl	130	
3	kl	130	
3	ll	130	
3	ml	130	
3	nl	130	
3	ol	130	
3	pl	130	
3	ql	130	
3	rl	130	
3	sl	130	
3	tl	130	
3	ul	130	
3	vl	130	
3	wl	130	
3	xl	130	
3	yl	130	

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Mol	Chain	Length	Quality of chain
3	zl	130	

2 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 358500 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 Capsid protein VP1.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	B	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	C	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	D	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	E	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	F	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	G	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	H	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	I	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	J	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	K	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	L	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	M	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	N	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	O	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	P	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		
1	Q	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	R	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	S	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	T	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	U	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	V	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	W	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	X	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	Y	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	Z	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	a	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	b	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	c	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	d	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	e	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	f	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	g	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	h	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	i	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	j	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	k	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	l	518	Total 4148	C 2610	N 724	O 801	S 13	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	m	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	n	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	o	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	p	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	q	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	r	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	s	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	t	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	u	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	v	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	w	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	x	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	y	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	z	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	0	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	1	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	2	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	3	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	4	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	5	518	Total 4148	C 2610	N 724	O 801	S 13	0	0
1	6	518	Total 4148	C 2610	N 724	O 801	S 13	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	7	518	Total	C	N	O	S	0	0
			4148	2610	724	801	13		

- Molecule 2 is a protein called IgA-Fab3-2 Heavy chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	Ah	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Bh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Ch	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Dh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Eh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Fh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Gh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Hh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Ih	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Jh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Kh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Lh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Mh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Nh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Oh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Ph	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Qh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Rh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	Sh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Th	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Uh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Vh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Wh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Xh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Yh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	Zh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	ah	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	bh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	ch	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	dh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	eh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	fh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	gh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	hh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	ih	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	jh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	kh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	lh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	mh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	nh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	oh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	ph	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	qh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	rh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	sh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	th	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	uh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	vh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	wh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	xh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	yh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	zh	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	0h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	1h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	2h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	3h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	4h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	5h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	6h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		
2	7h	132	Total	C	N	O	S	0	0
			1028	659	169	198	2		

- Molecule 3 is a protein called IgA-Fab3-2 Light chain.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	Al	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Bl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Cl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Dl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	El	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Fl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Gl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Hl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Il	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Jl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Kl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Ll	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Ml	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Nl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Ol	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Pl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Ql	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Rl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Sl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Tl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Ul	109	Total 799	C 494	N 134	O 167	S 4	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	Vl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Wl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Xl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Yl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	Zl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	al	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	bl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	cl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	dl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	el	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	fl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	gl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	hl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	il	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	jl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	kl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	ll	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	ml	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	nl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	ol	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	pl	109	Total 799	C 494	N 134	O 167	S 4	0	0

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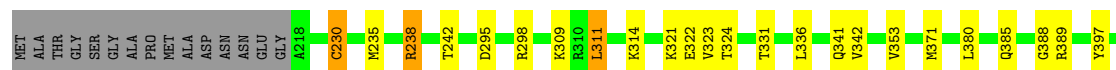
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Mol	Chain	Residues	Atoms					AltConf	Trace
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3	rl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	sl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	tl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	ul	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	vl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	wl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	xl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	yl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	zl	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	0l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	1l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	2l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	3l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	4l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	5l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	6l	109	Total 799	C 494	N 134	O 167	S 4	0	0
3	7l	109	Total 799	C 494	N 134	O 167	S 4	0	0



• Molecule 1: Capsid protein VP1

Chain D: 85% 12% ..



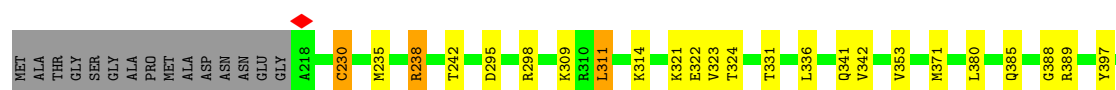
• Molecule 1: Capsid protein VP1

Chain E: 85% 12% ..



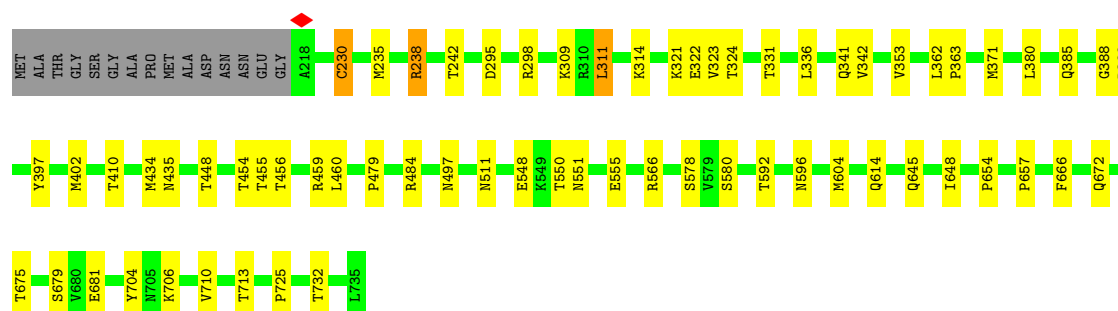
• Molecule 1: Capsid protein VP1

Chain F: 84% 12% ..



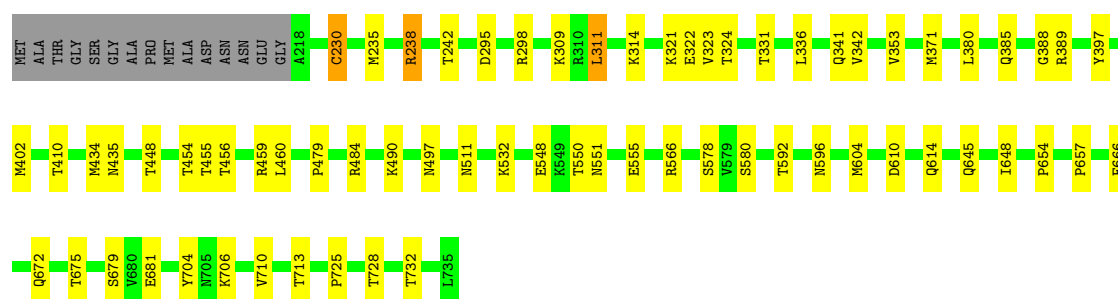
• Molecule 1: Capsid protein VP1

Chain G: 85% 12% ..



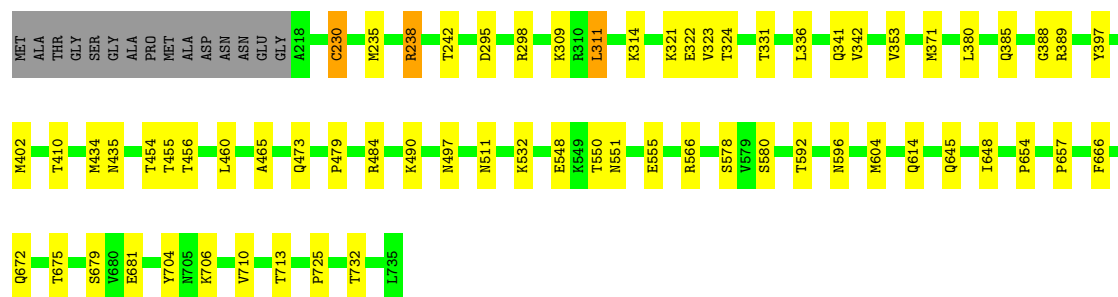
- Molecule 1: Capsid protein VP1

Chain H: 84% 12% ..



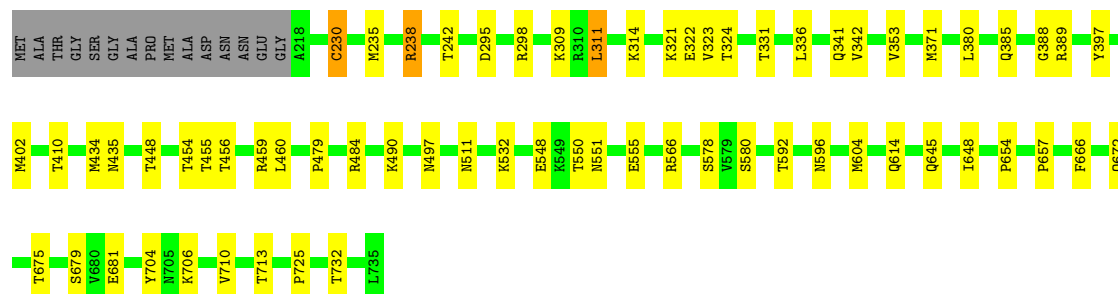
- Molecule 1: Capsid protein VP1

Chain I: 85% 12% ..

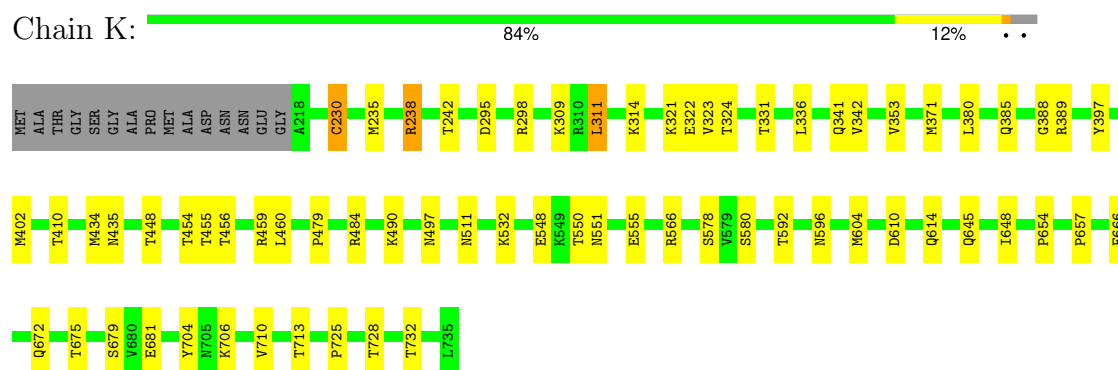


- Molecule 1: Capsid protein VP1

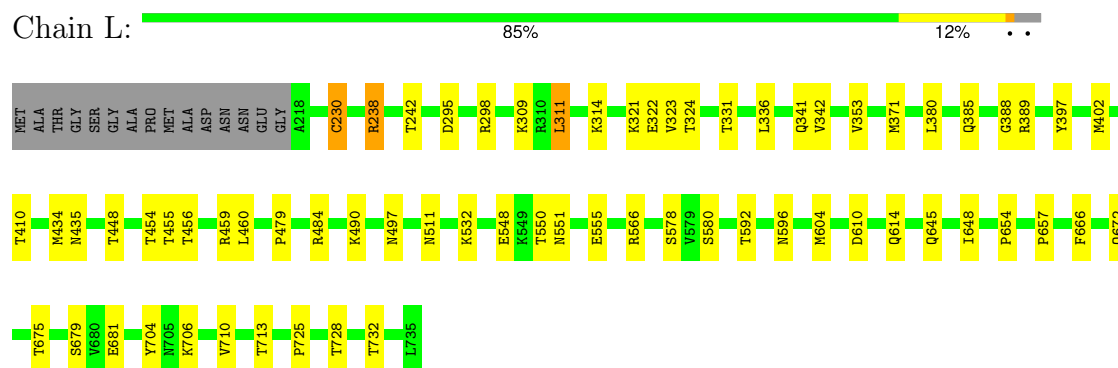
Chain J: 85% 12% ..



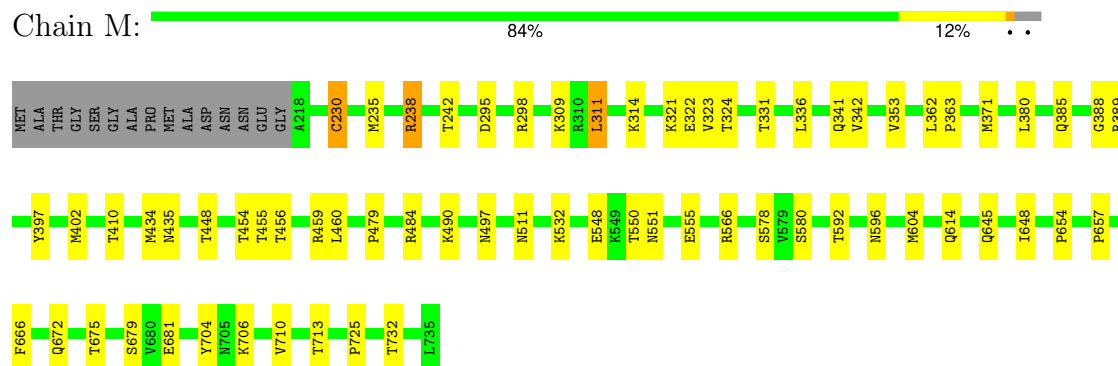
● Molecule 1: Capsid protein VP1



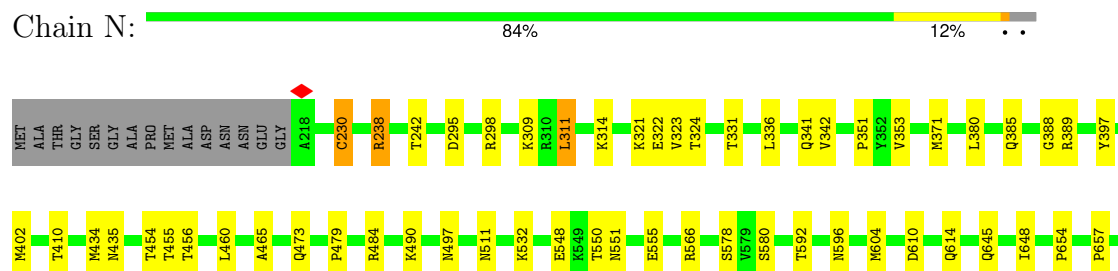
● Molecule 1: Capsid protein VP1

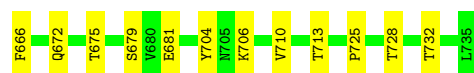


● Molecule 1: Capsid protein VP1



● Molecule 1: Capsid protein VP1





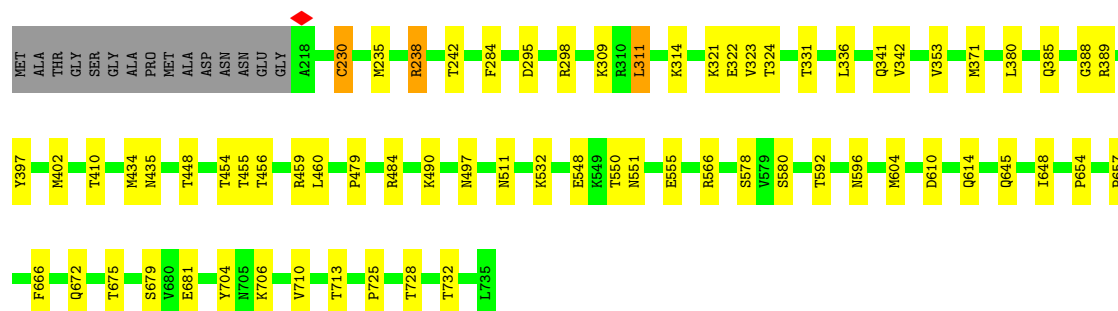
• Molecule 1: Capsid protein VP1

Chain O: 85% 12% ..



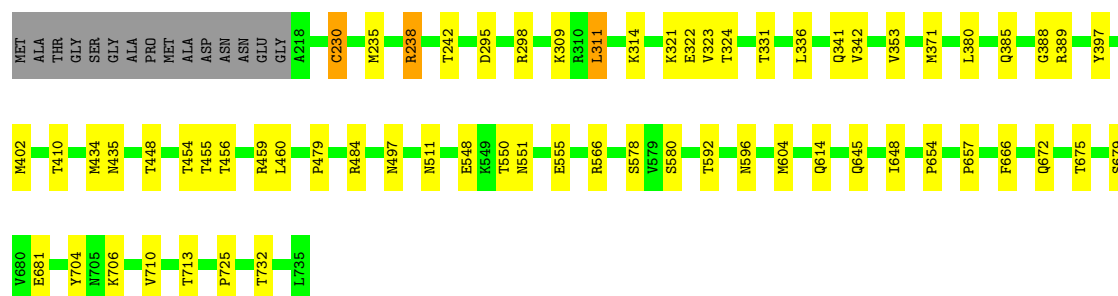
• Molecule 1: Capsid protein VP1

Chain P: 84% 12% ..



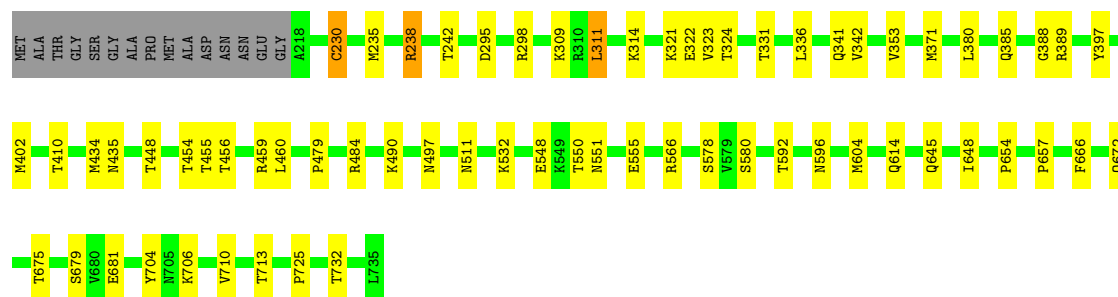
• Molecule 1: Capsid protein VP1

Chain Q: 85% 11% ..



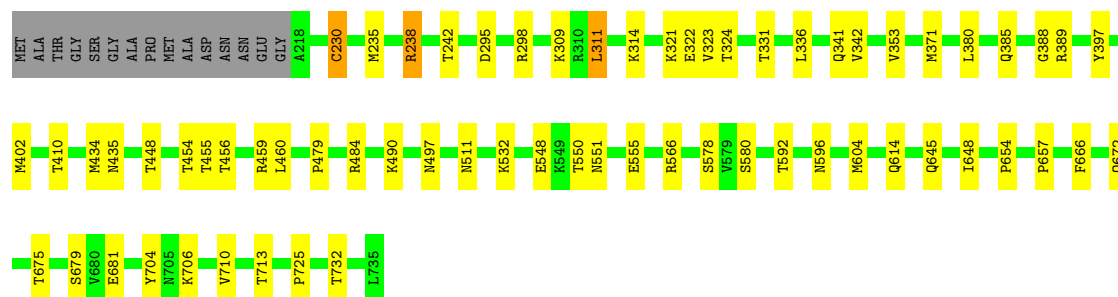
• Molecule 1: Capsid protein VP1

Chain R: 85% 12% ..



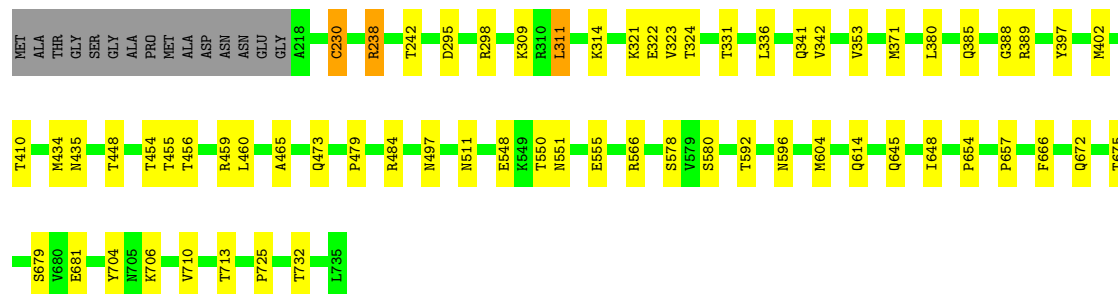
- Molecule 1: Capsid protein VP1

Chain S: 85% 12% ..



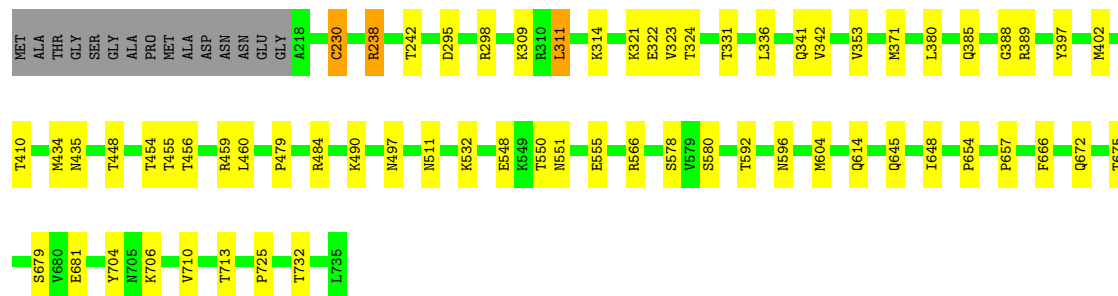
- Molecule 1: Capsid protein VP1

Chain T: 85% 12% ..



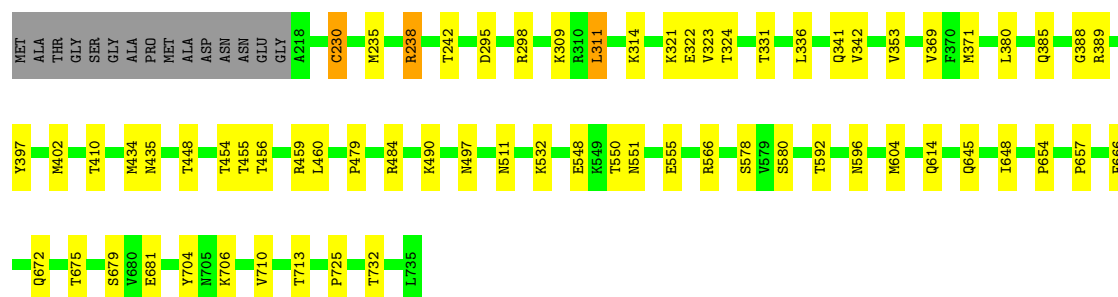
- Molecule 1: Capsid protein VP1

Chain U: 85% 12% ..



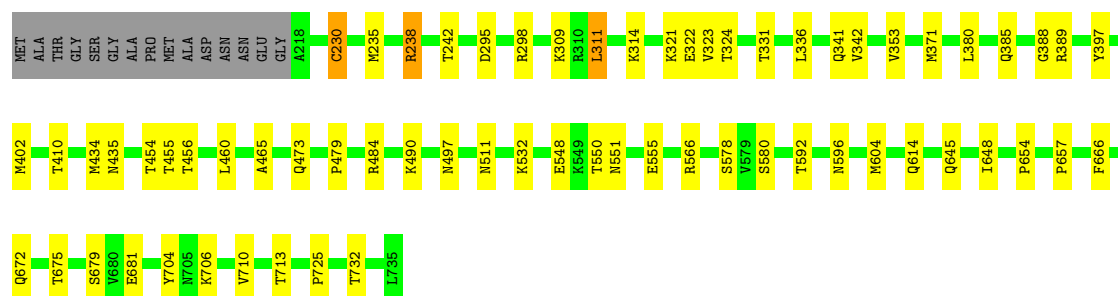
- Molecule 1: Capsid protein VP1

Chain V:  85% 12% ..



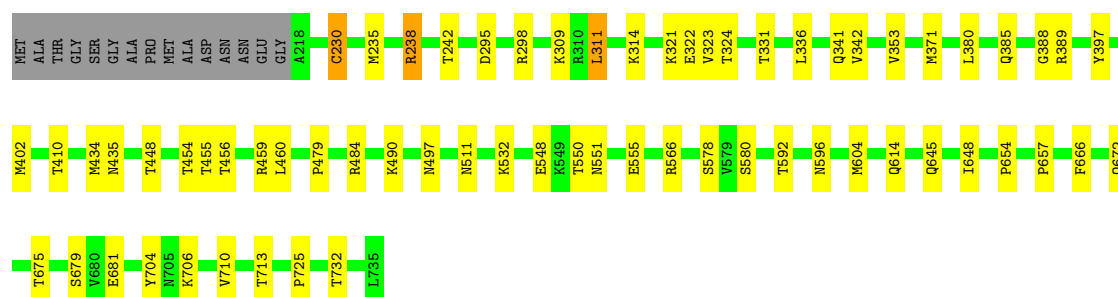
• Molecule 1: Capsid protein VP1

Chain W:  85% 12% ..



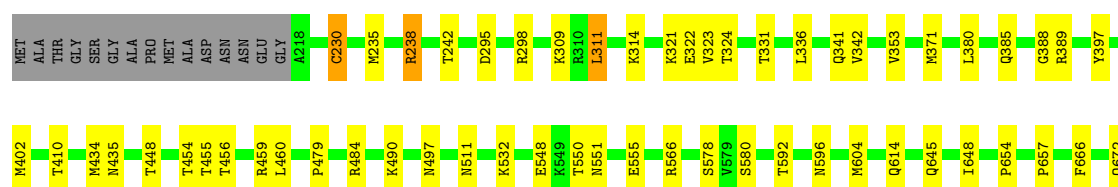
• Molecule 1: Capsid protein VP1

Chain X:  85% 12% ..



• Molecule 1: Capsid protein VP1

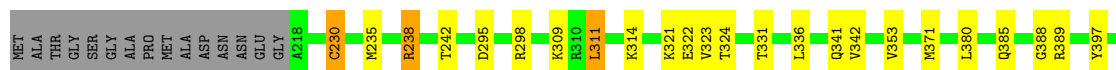
Chain Y:  85% 12% ..





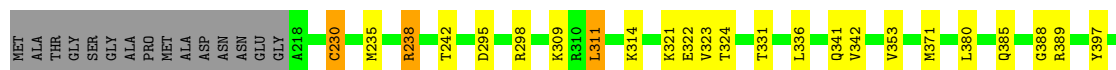
- Molecule 1: Capsid protein VP1

Chain Z: 85% 11% ..



- Molecule 1: Capsid protein VP1

Chain a: 85% 12% ..



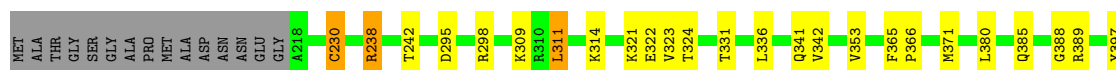
- Molecule 1: Capsid protein VP1

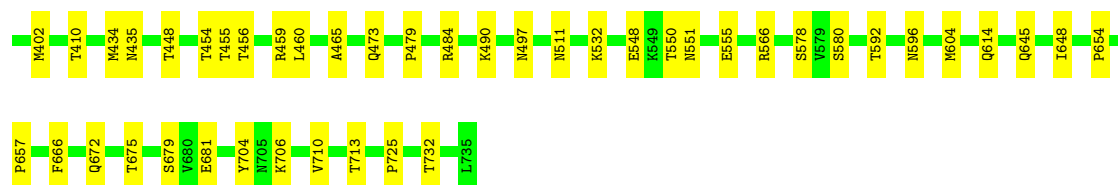
Chain b: 84% 12% ..



- Molecule 1: Capsid protein VP1

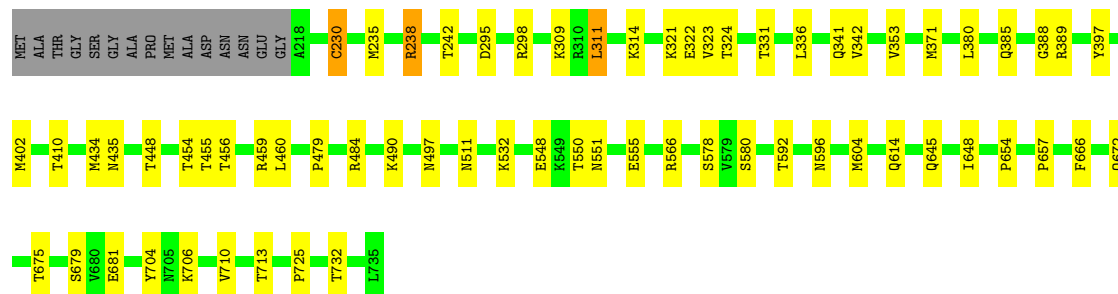
Chain c: 84% 12% ..





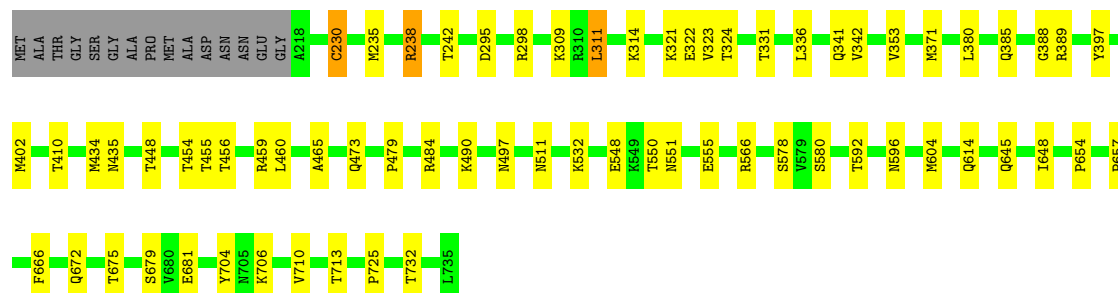
- Molecule 1: Capsid protein VP1

Chain d: 85% 12% ..



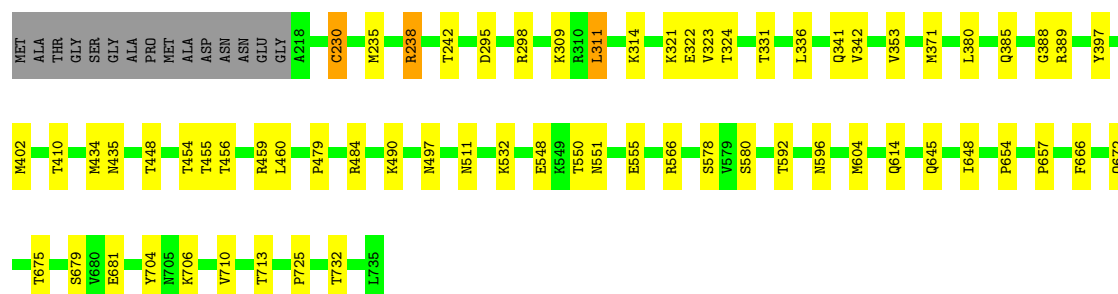
- Molecule 1: Capsid protein VP1

Chain e: 84% 12% ..



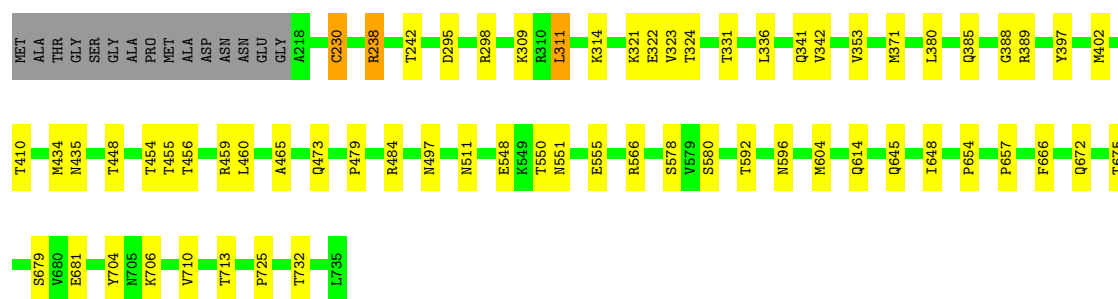
- Molecule 1: Capsid protein VP1

Chain f: 85% 12% ..



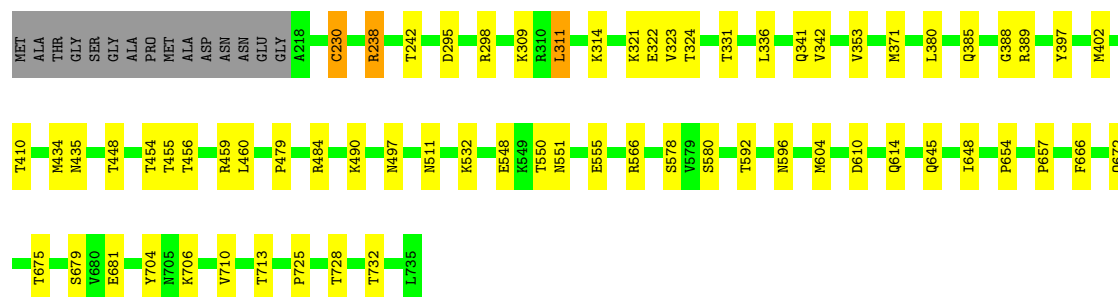
- Molecule 1: Capsid protein VP1

Chain g: 85% 12% ..



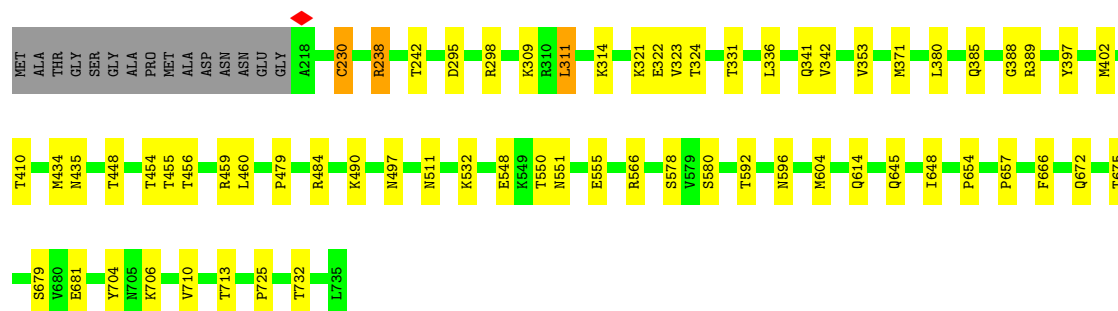
• Molecule 1: Capsid protein VP1

Chain h: 85% 12%



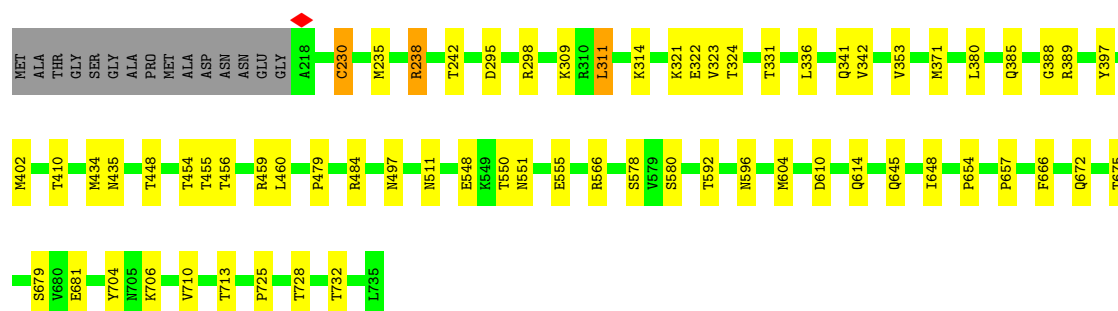
• Molecule 1: Capsid protein VP1

Chain i: 85% 12%

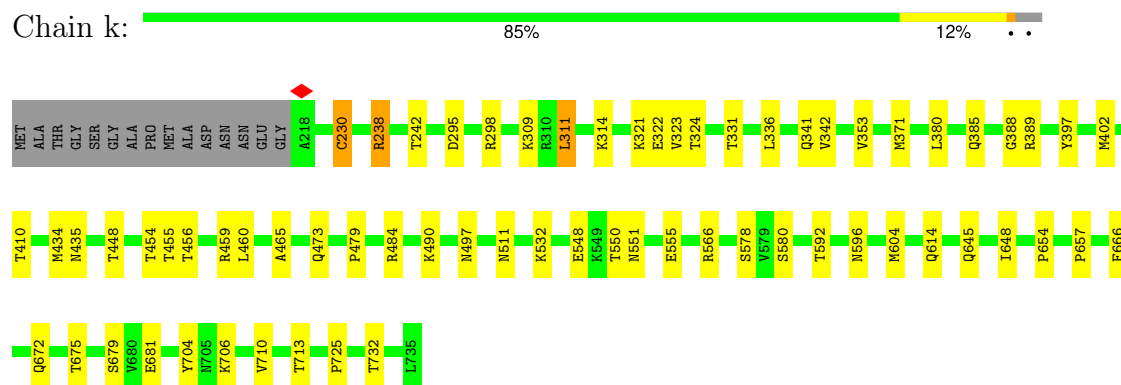


• Molecule 1: Capsid protein VP1

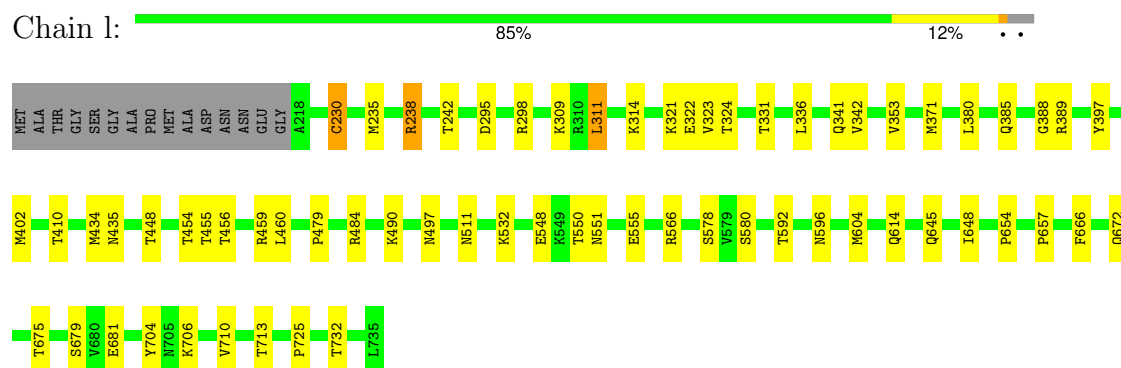
Chain j: 85% 12%



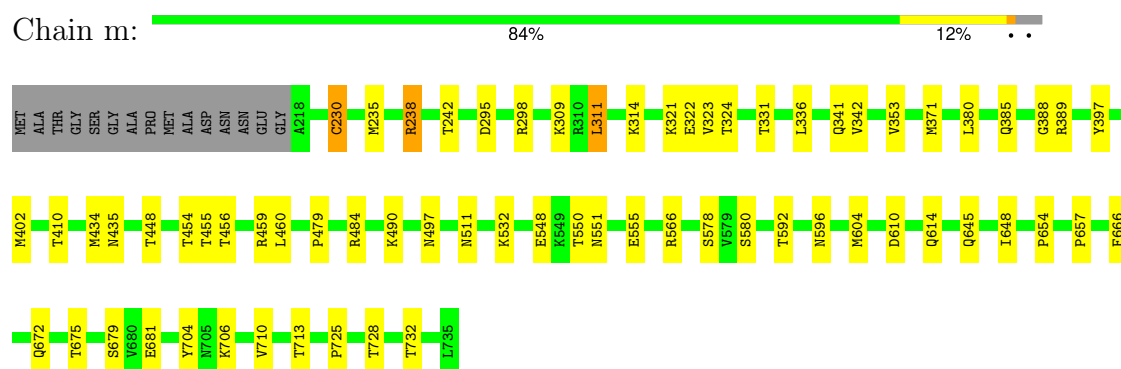
● Molecule 1: Capsid protein VP1



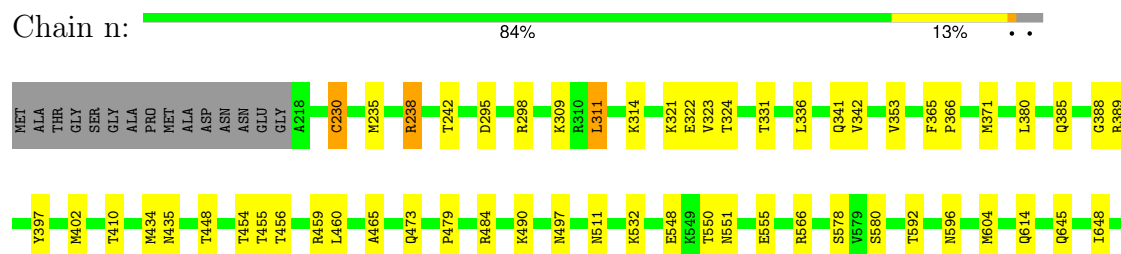
● Molecule 1: Capsid protein VP1

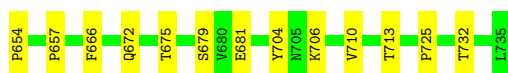


● Molecule 1: Capsid protein VP1

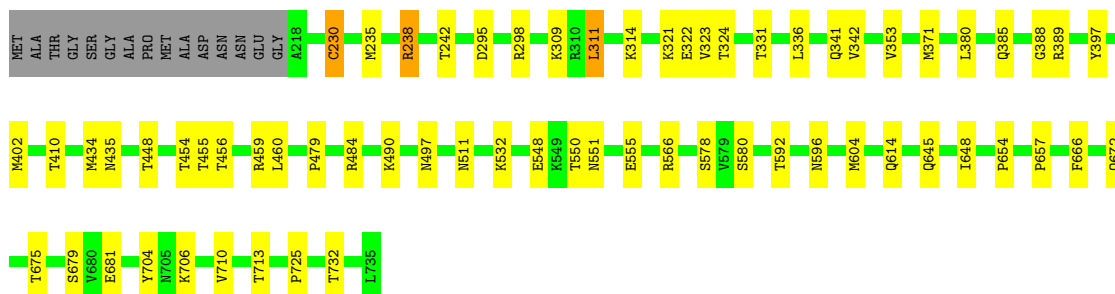
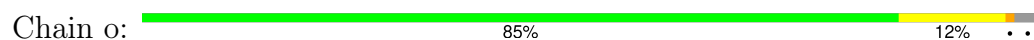


● Molecule 1: Capsid protein VP1

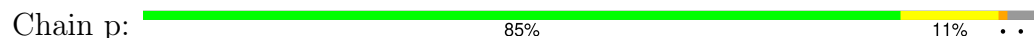




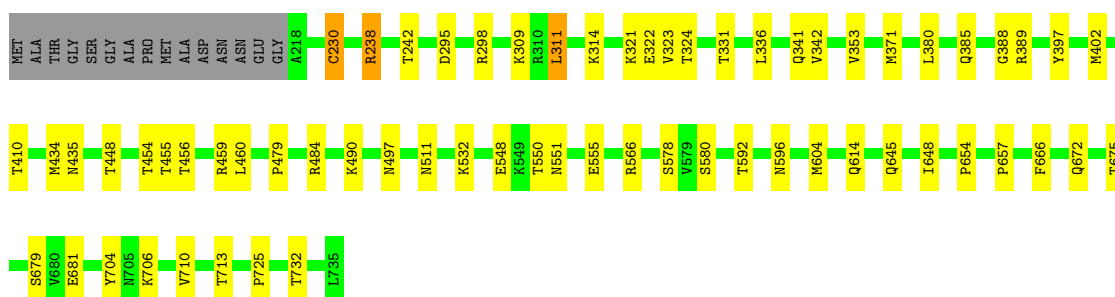
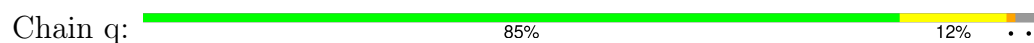
• Molecule 1: Capsid protein VP1



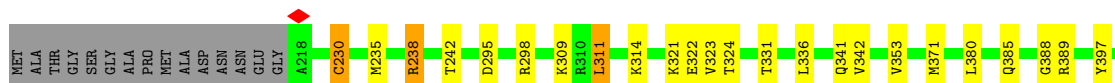
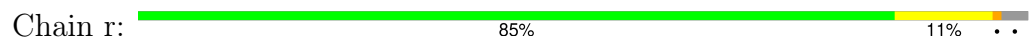
• Molecule 1: Capsid protein VP1

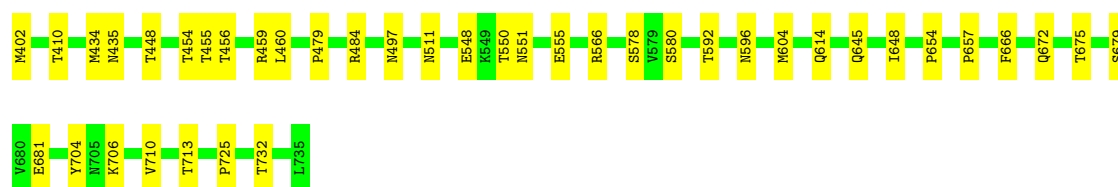


• Molecule 1: Capsid protein VP1



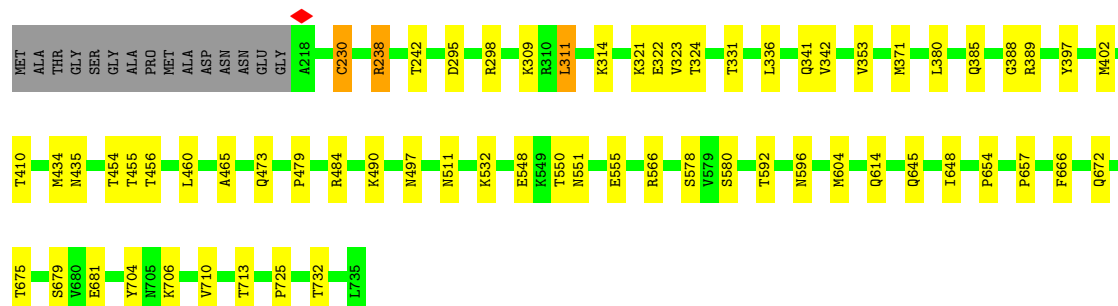
• Molecule 1: Capsid protein VP1





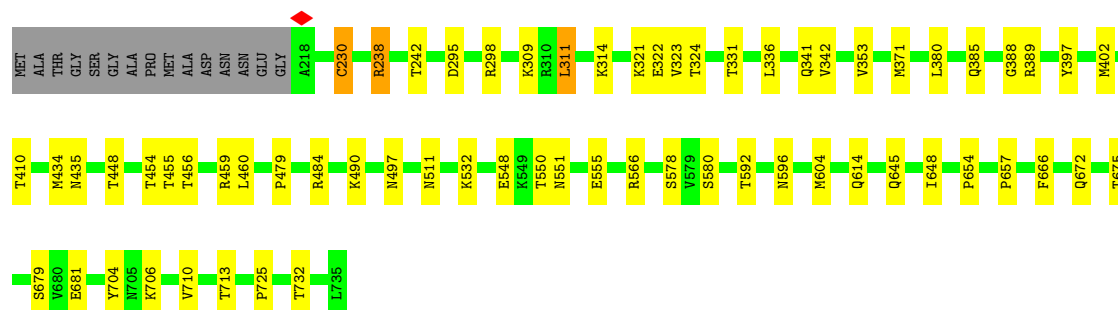
• Molecule 1: Capsid protein VP1

Chain s: 85% 12% ..



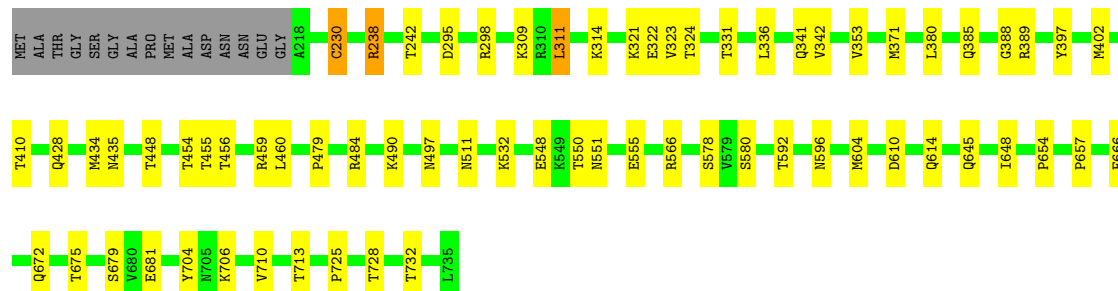
• Molecule 1: Capsid protein VP1

Chain t: 85% 12% ..



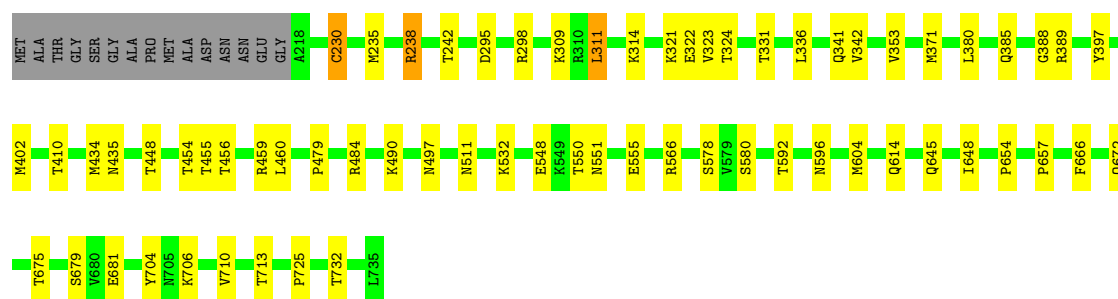
• Molecule 1: Capsid protein VP1

Chain u: 84% 12% ..



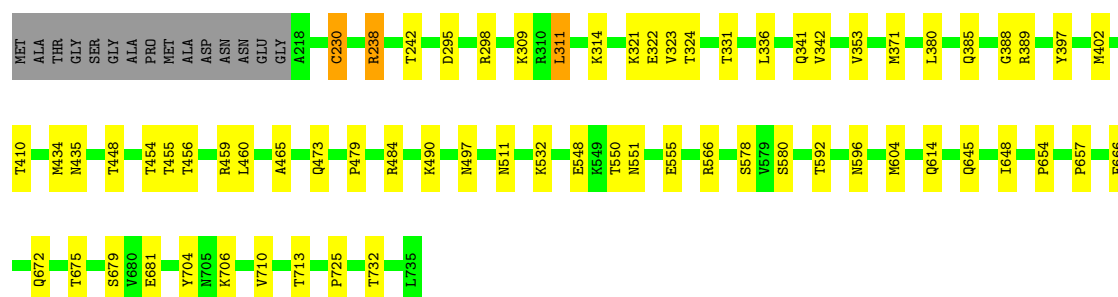
• Molecule 1: Capsid protein VP1

Chain v: 85% 12% ..



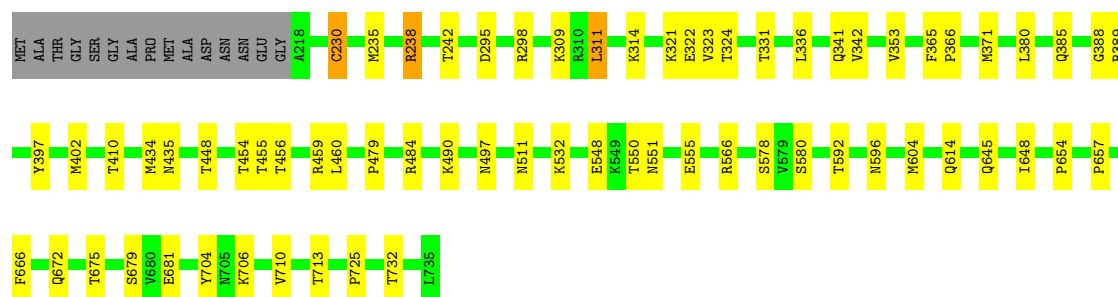
- Molecule 1: Capsid protein VP1

Chain w: 85% 12% . .



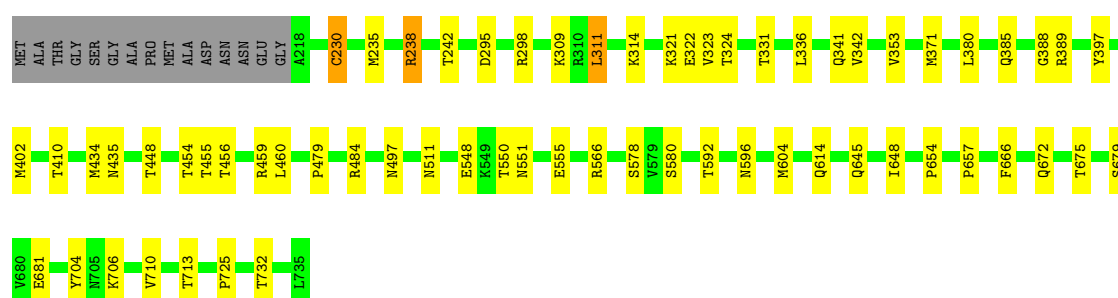
- Molecule 1: Capsid protein VP1

Chain x: 84% 12% . .



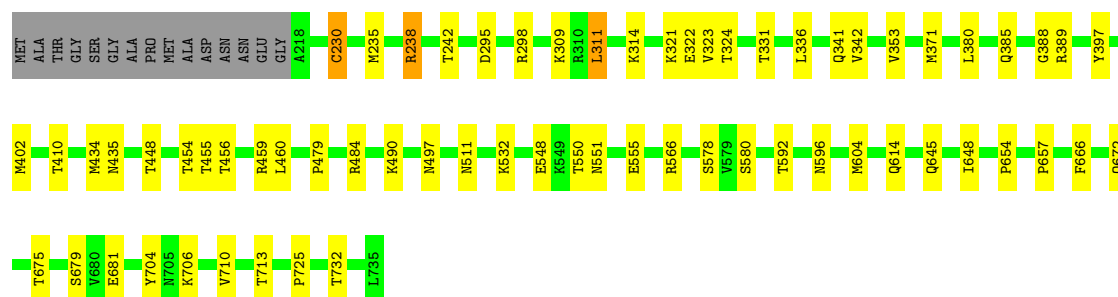
- Molecule 1: Capsid protein VP1

Chain y: 85% 11% . .



- Molecule 1: Capsid protein VP1

Chain z:  85% 12% ..



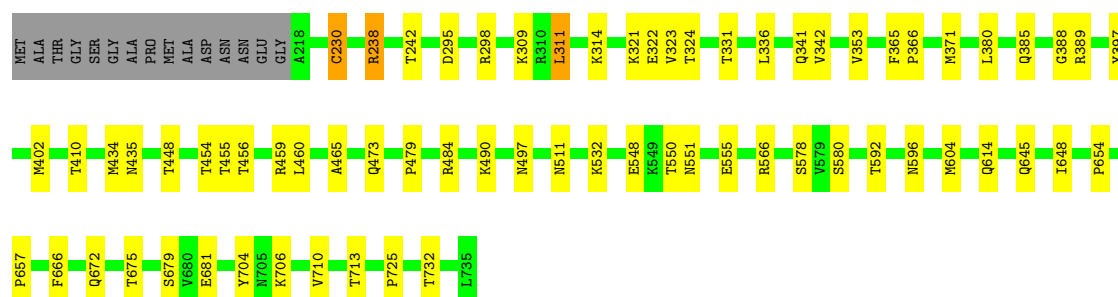
• Molecule 1: Capsid protein VP1

Chain 0:  84% 12% ..



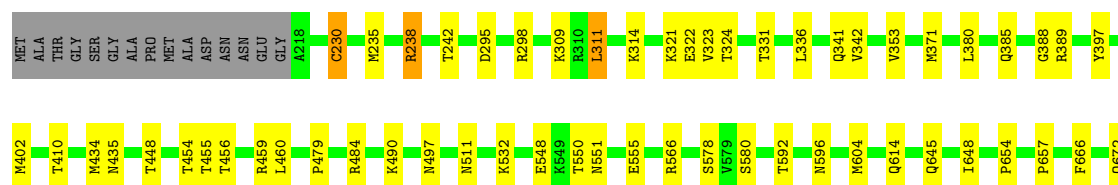
• Molecule 1: Capsid protein VP1

Chain 1:  84% 12% ..



• Molecule 1: Capsid protein VP1

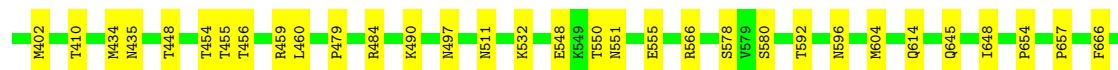
Chain 2:  85% 12% ..





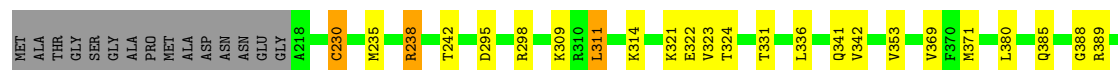
• Molecule 1: Capsid protein VP1

Chain 3: 85% 12% ..



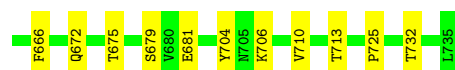
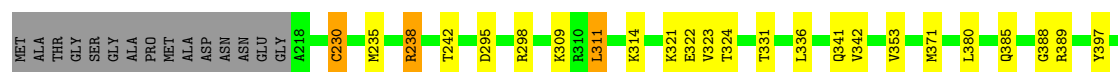
• Molecule 1: Capsid protein VP1

Chain 4: 85% 12% ..



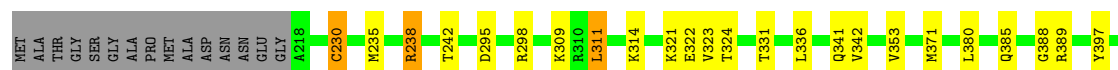
• Molecule 1: Capsid protein VP1

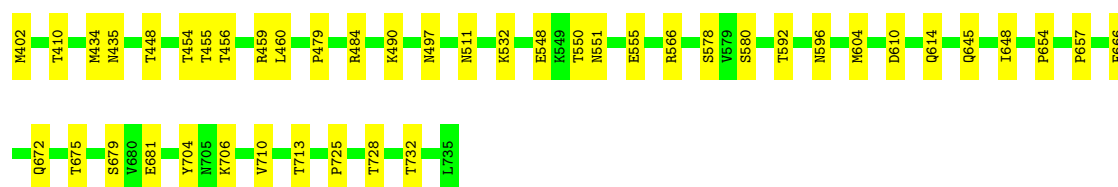
Chain 5: 84% 12% ..



• Molecule 1: Capsid protein VP1

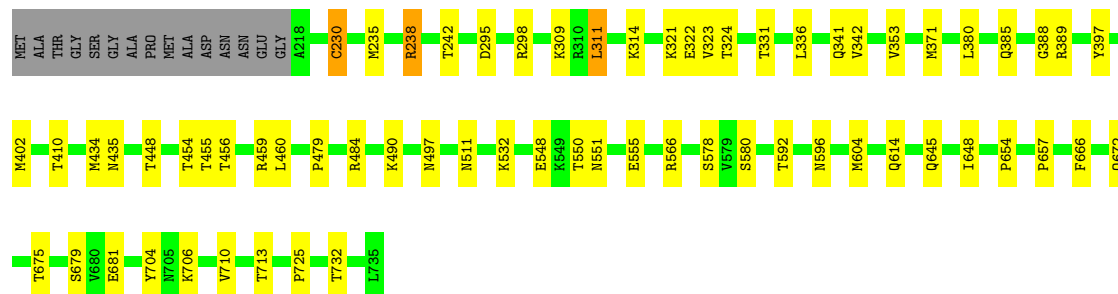
Chain 6: 84% 12% ..





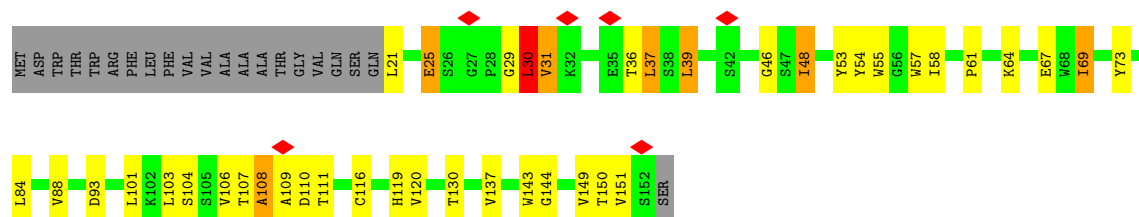
• Molecule 1: Capsid protein VP1

Chain 7: 85% 12% • •



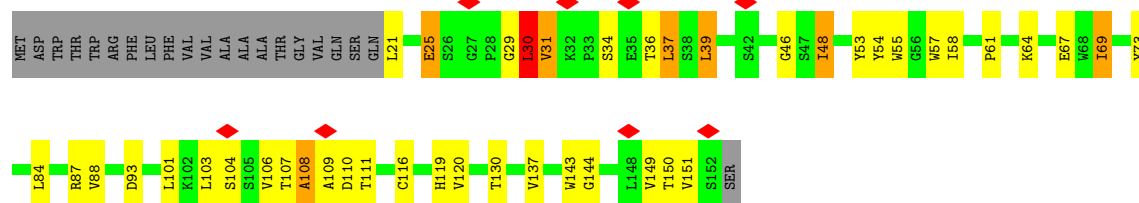
• Molecule 2: IgA-Fab3-2 Heavy chain

Chain Ah: 59% 22% 5% • 14%



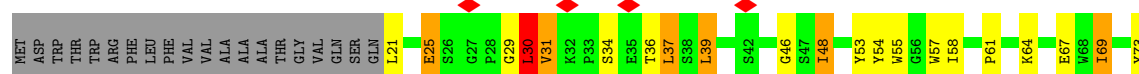
• Molecule 2: IgA-Fab3-2 Heavy chain

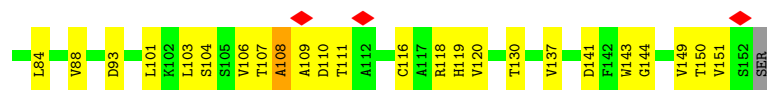
Chain Bh: 5% 58% 24% 5% • 14%



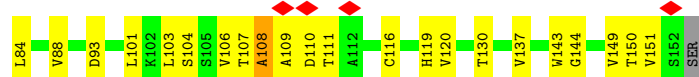
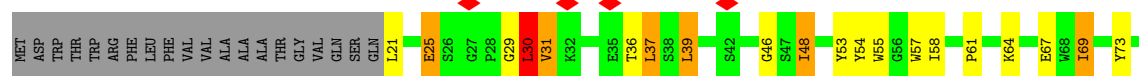
• Molecule 2: IgA-Fab3-2 Heavy chain

Chain Ch: 5% 57% 24% 5% • 14%

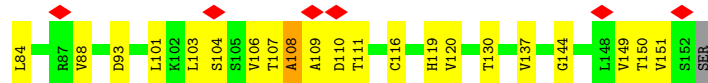




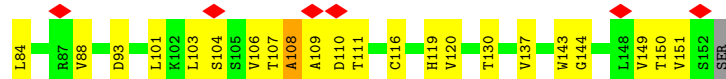
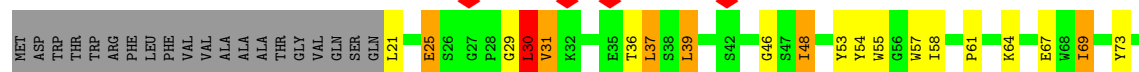
• Molecule 2: IgA-Fab3-2 Heavy chain



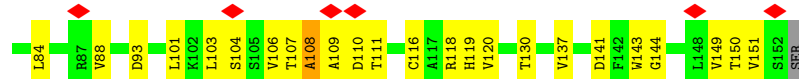
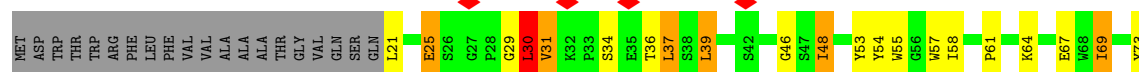
• Molecule 2: IgA-Fab3-2 Heavy chain



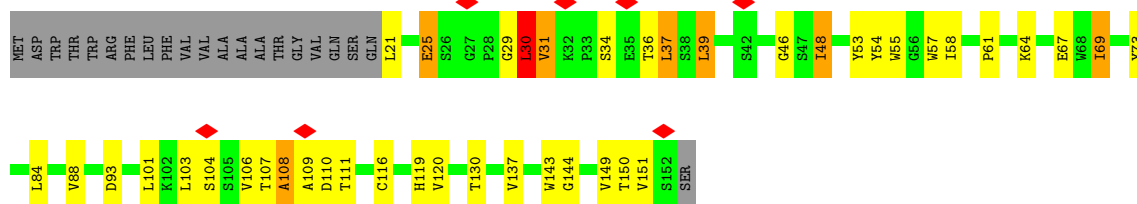
• Molecule 2: IgA-Fab3-2 Heavy chain



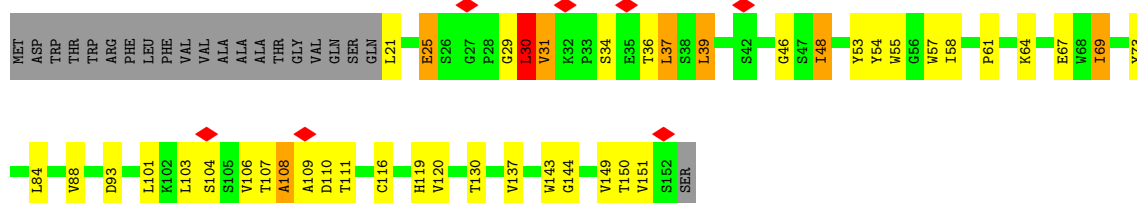
• Molecule 2: IgA-Fab3-2 Heavy chain



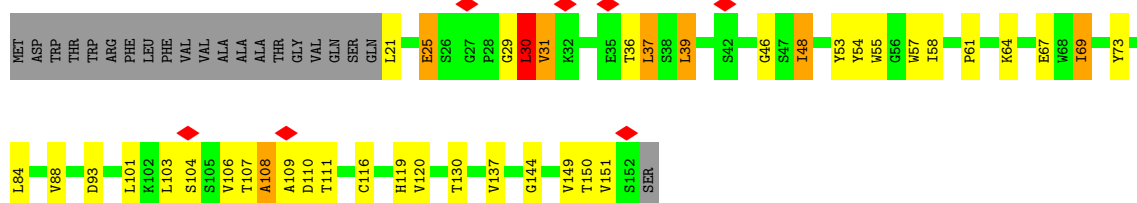
• Molecule 2: IgA-Fab3-2 Heavy chain



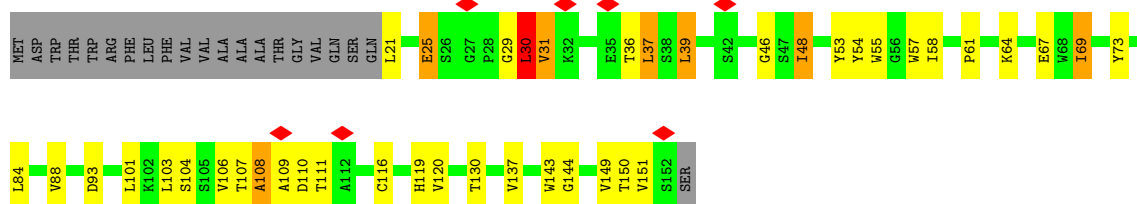
• Molecule 2: IgA-Fab3-2 Heavy chain



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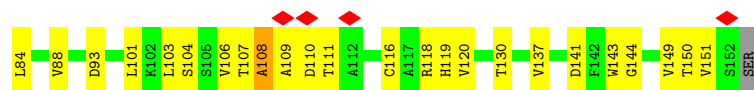


• Molecule 2: IgA-Fab3-2 Heavy chain

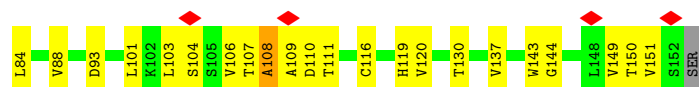


• Molecule 2: IgA-Fab3-2 Heavy chain

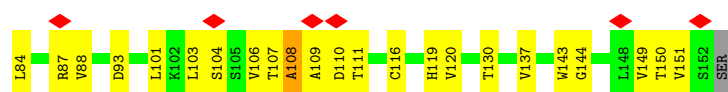




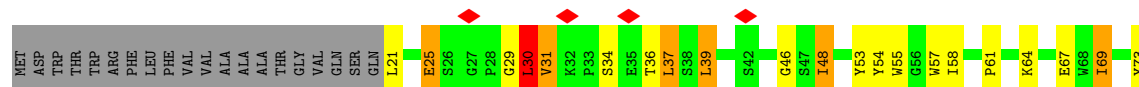
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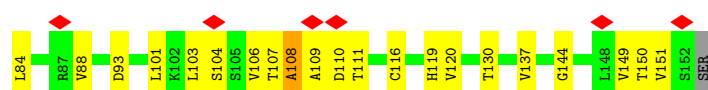
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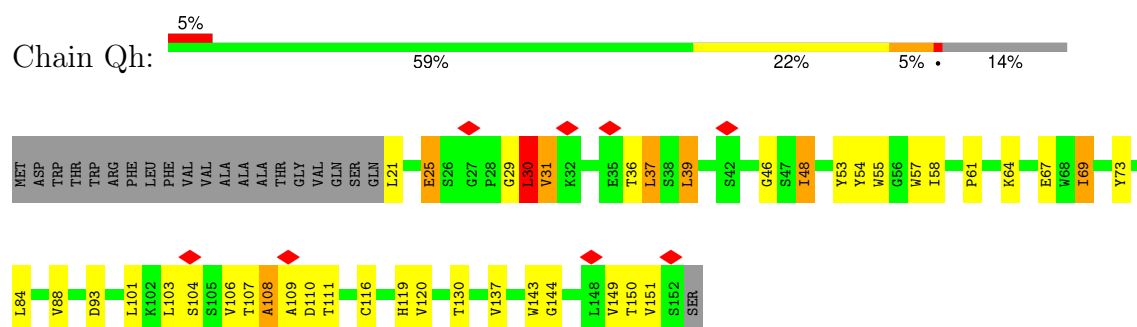
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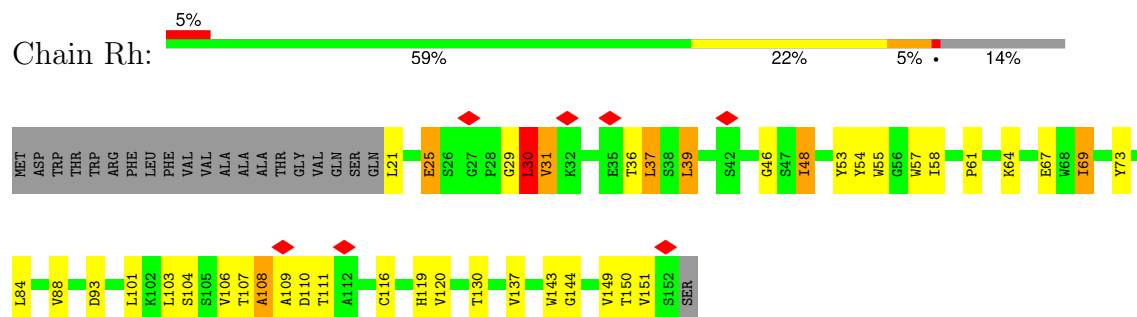
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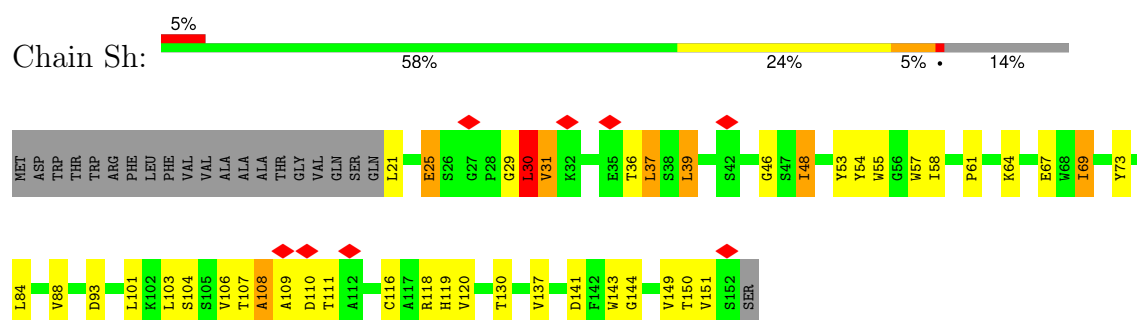
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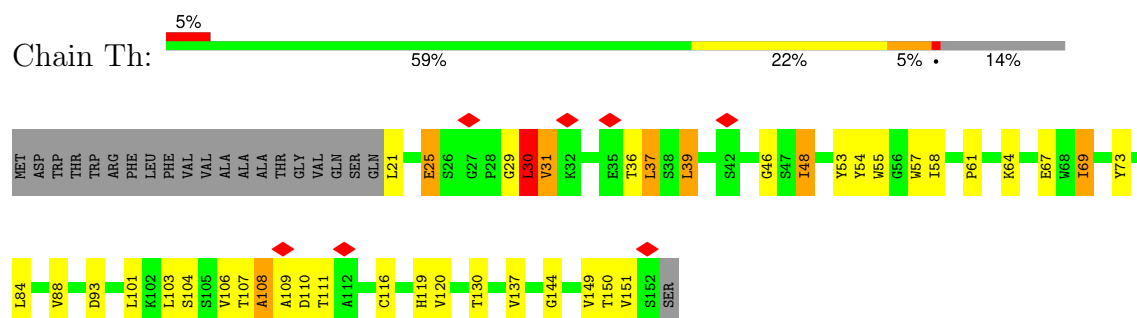
- Molecule 2: IgA-Fab3-2 Heavy chain



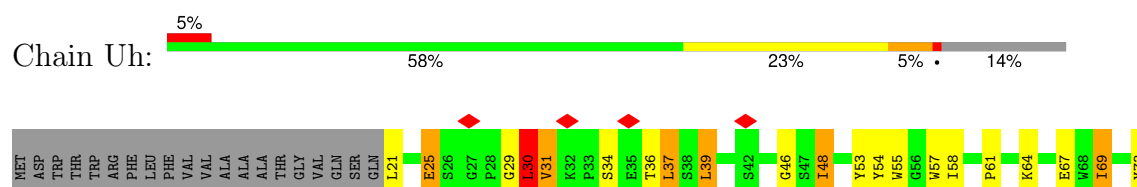
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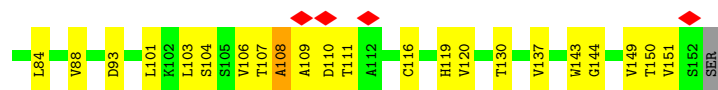


- Molecule 2: IgA-Fab3-2 Heavy chain

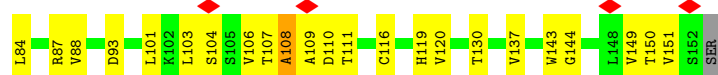
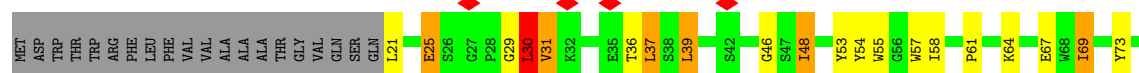


- Molecule 2: IgA-Fab3-2 Heavy chain

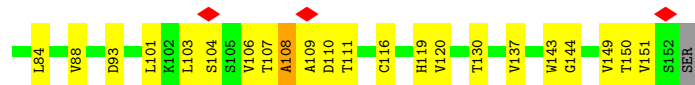
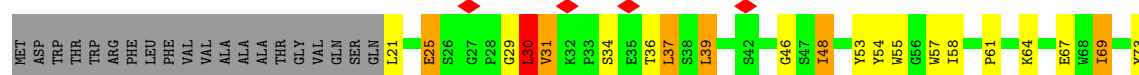




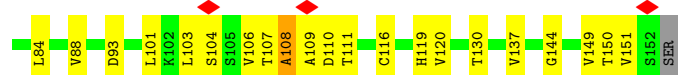
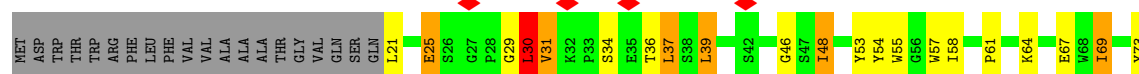
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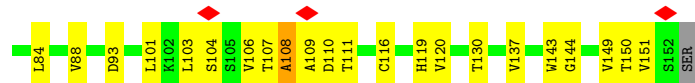
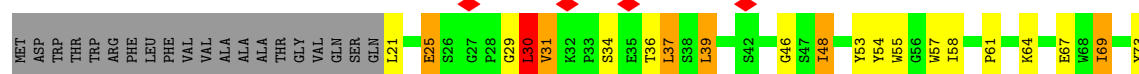
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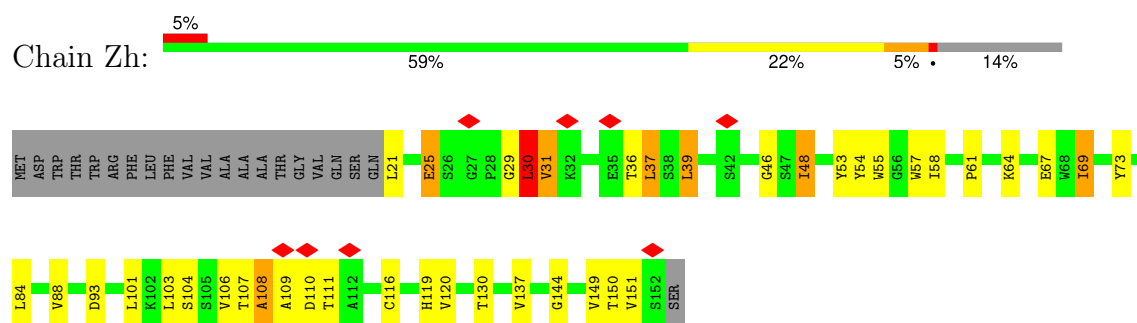
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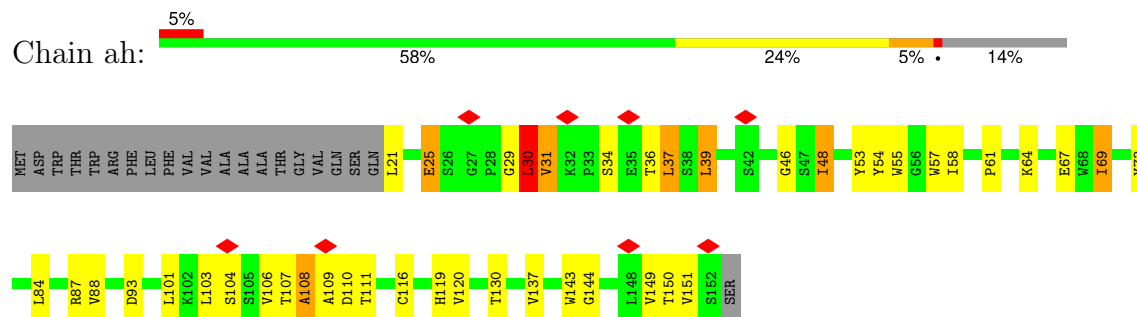
• Molecule 2: IgA-Fab3-2 Heavy chain



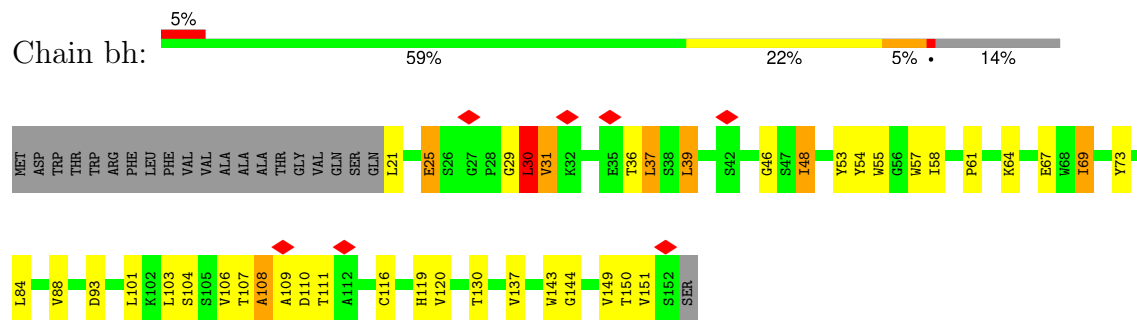
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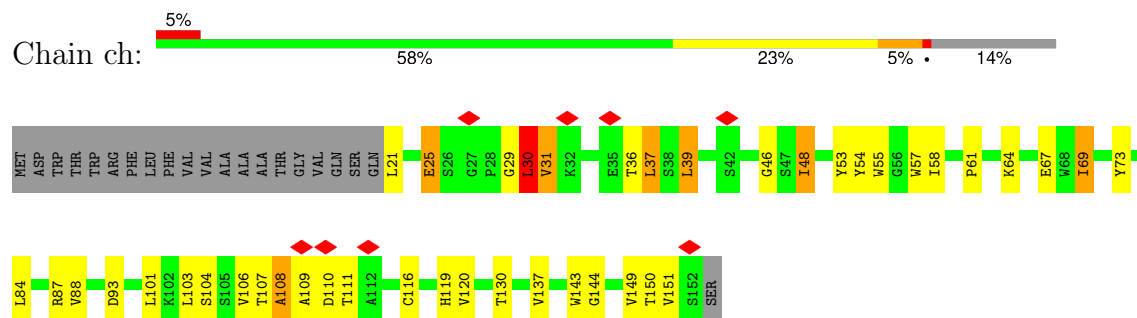
- Molecule 2: IgA-Fab3-2 Heavy chain



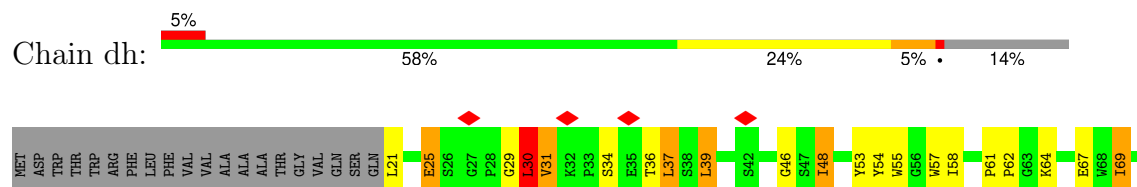
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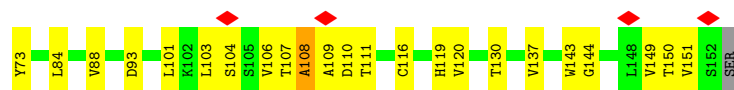


- Molecule 2: IgA-Fab3-2 Heavy chain

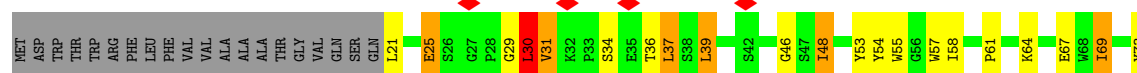


- Molecule 2: IgA-Fab3-2 Heavy chain





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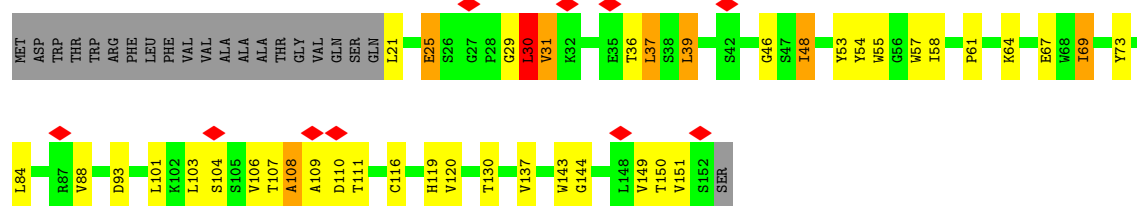


• Molecule 2: IgA-Fab3-2 Heavy chain

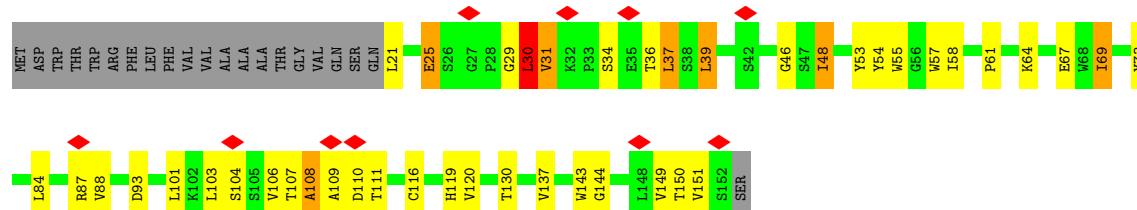


• Molecule 2: IgA-Fab3-2 Heavy chain

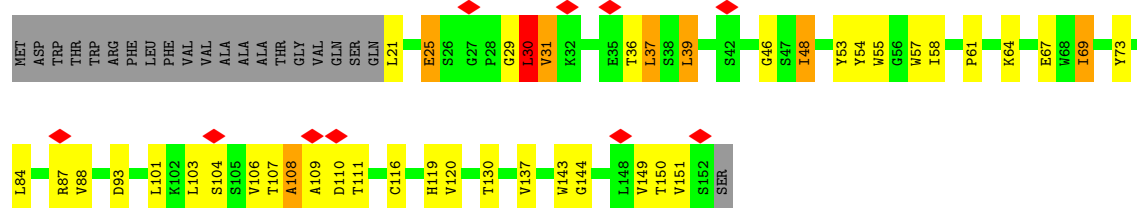




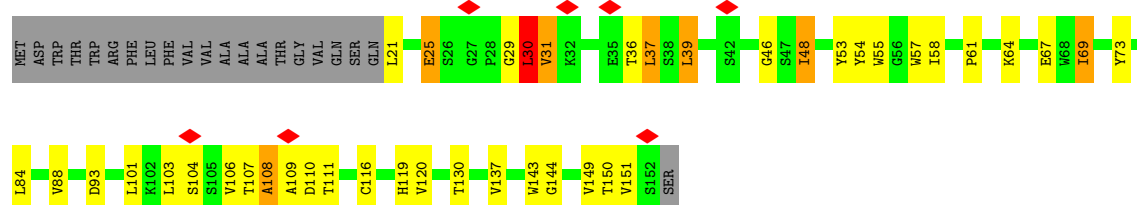
• Molecule 2: IgA-Fab3-2 Heavy chain



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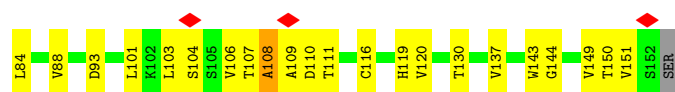


• Molecule 2: IgA-Fab3-2 Heavy chain

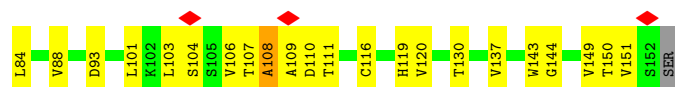


• Molecule 2: IgA-Fab3-2 Heavy chain

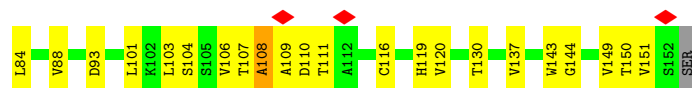




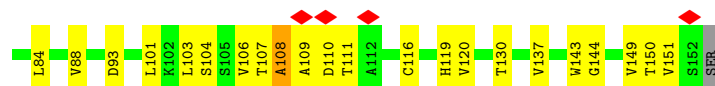
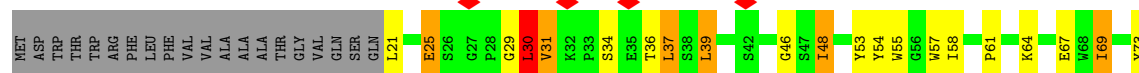
• Molecule 2: IgA-Fab3-2 Heavy chain



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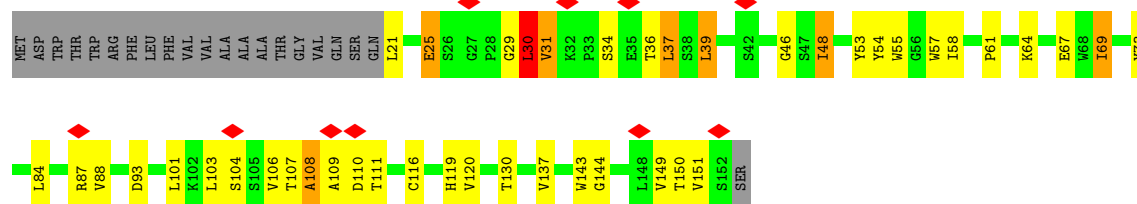
• Molecule 2: IgA-Fab3-2 Heavy chain



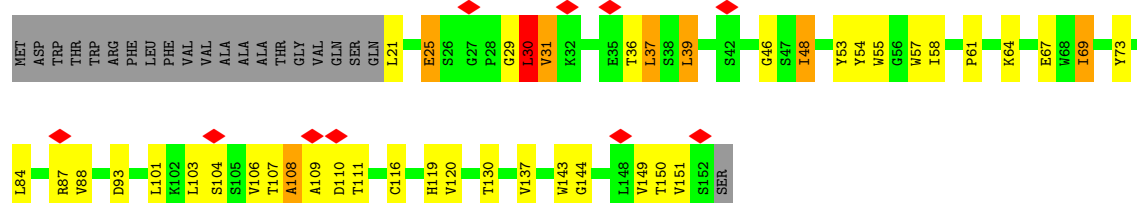
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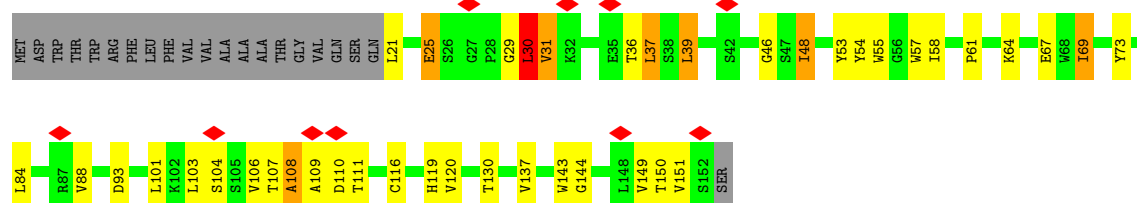
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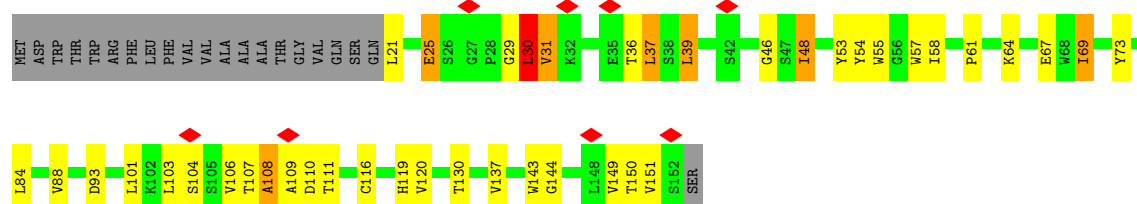
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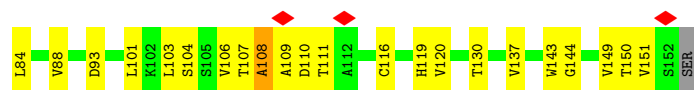


• Molecule 2: IgA-Fab3-2 Heavy chain

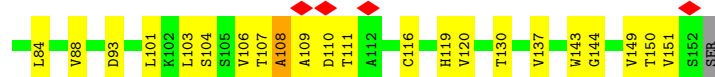
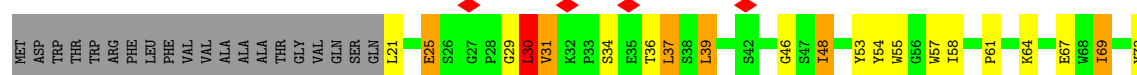


• Molecule 2: IgA-Fab3-2 Heavy chain





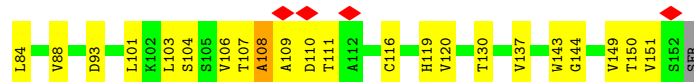
• Molecule 2: IgA-Fab3-2 Heavy chain



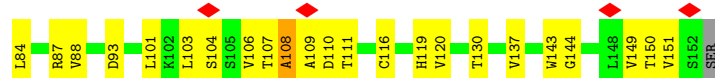
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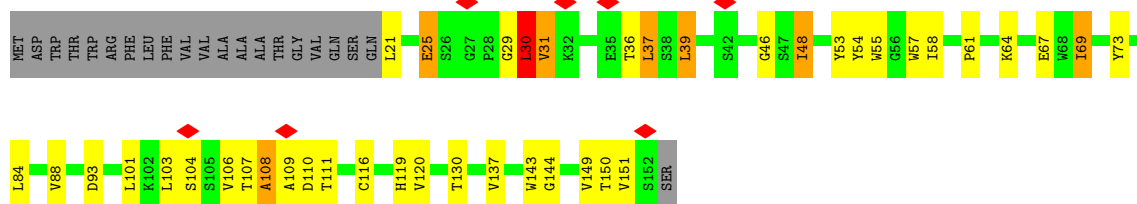
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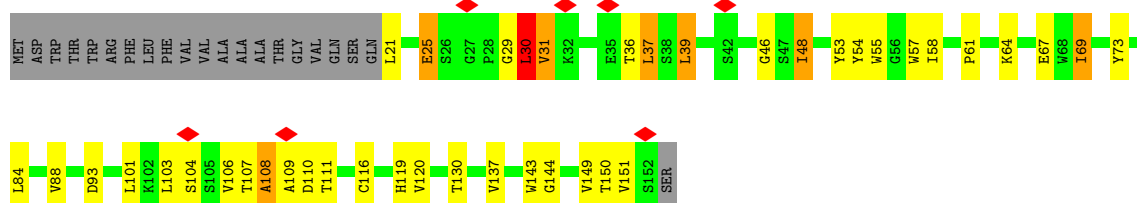
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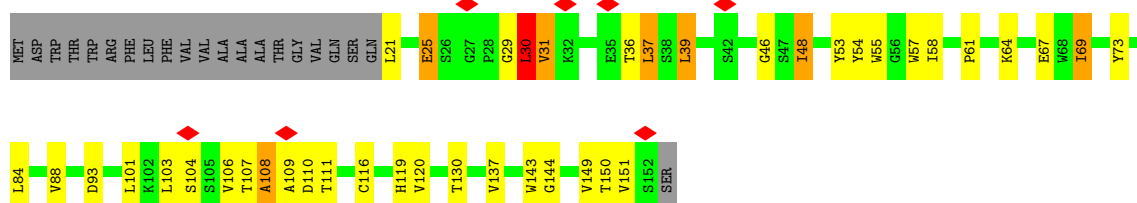
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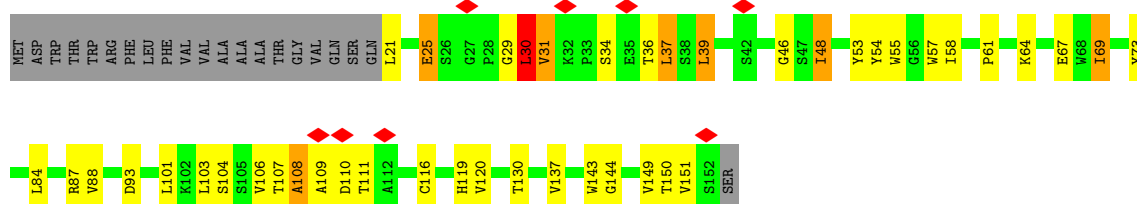
- Molecule 2: IgA-Fab3-2 Heavy chain



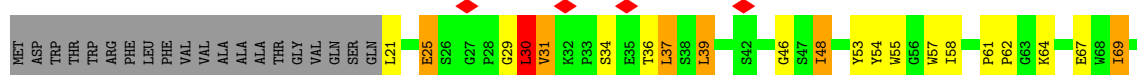
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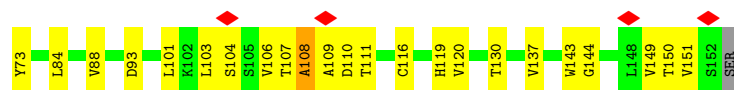


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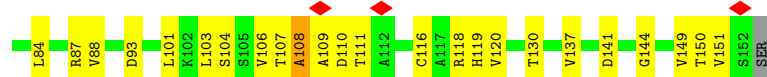
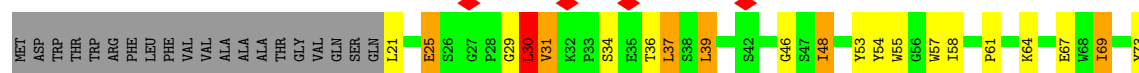


- Molecule 2: IgA-Fab3-2 Heavy chain





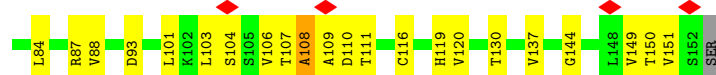
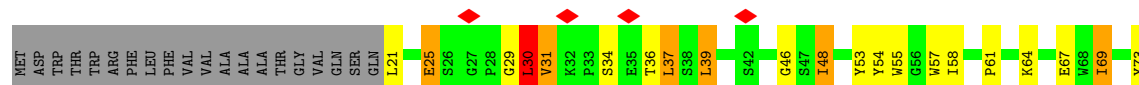
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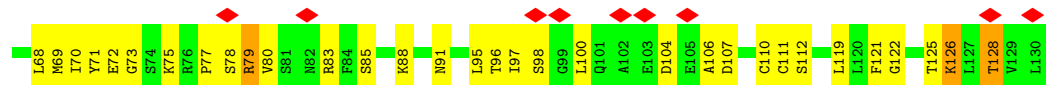
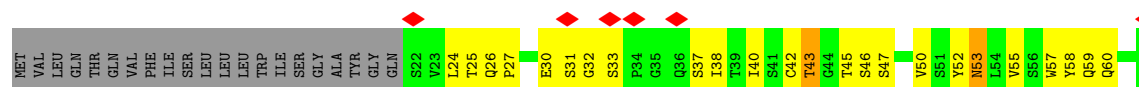
- Molecule 2: IgA-Fab3-2 Heavy chain



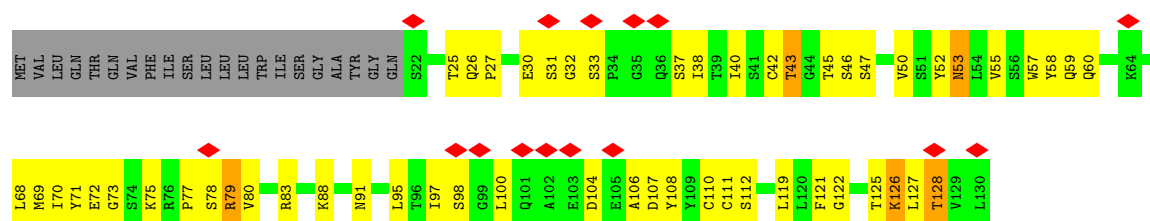
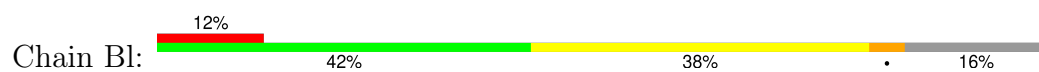
- Molecule 2: IgA-Fab3-2 Heavy chain



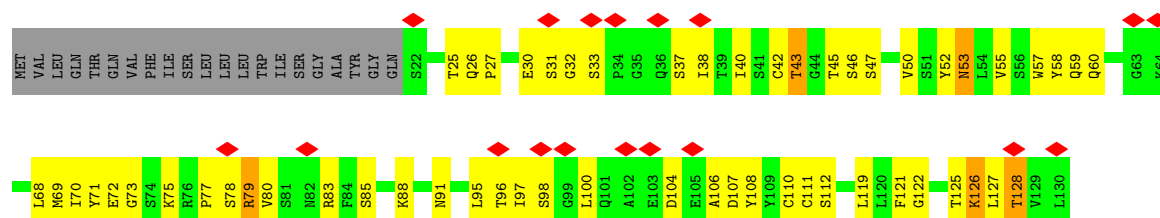
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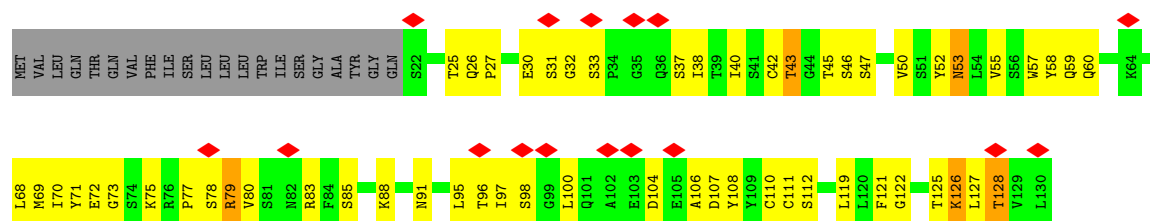
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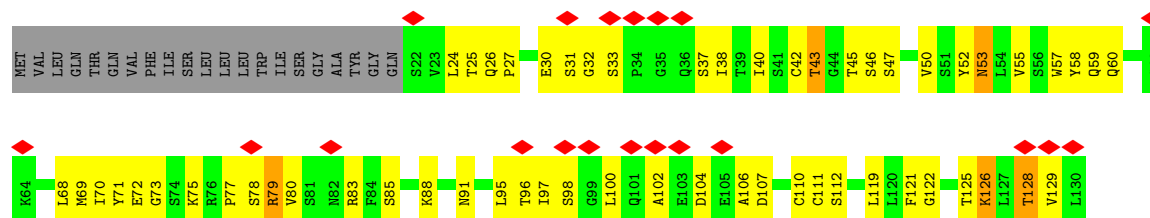
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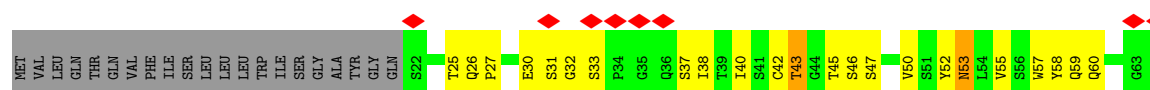
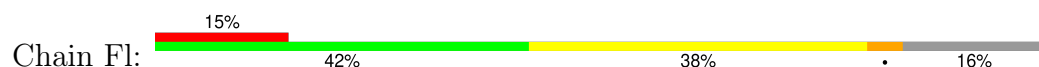
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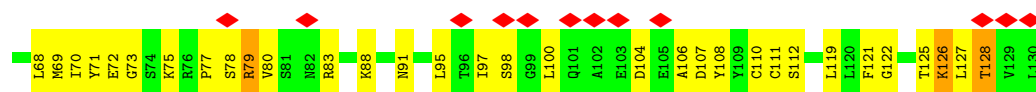


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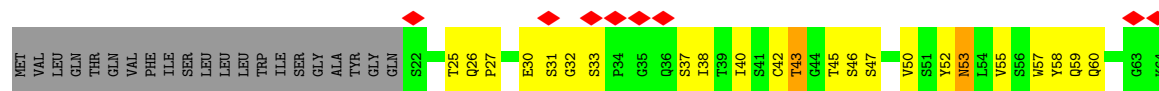
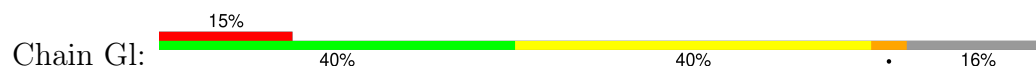


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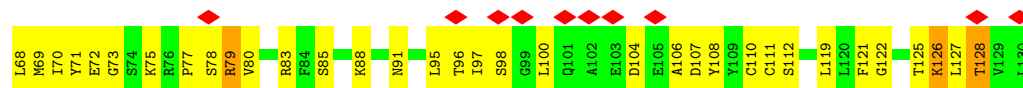
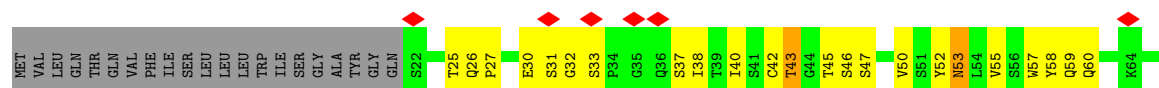




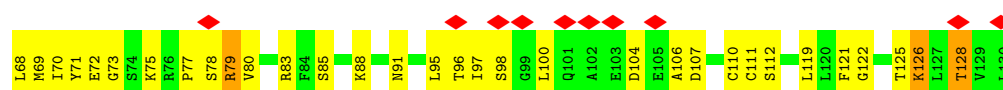
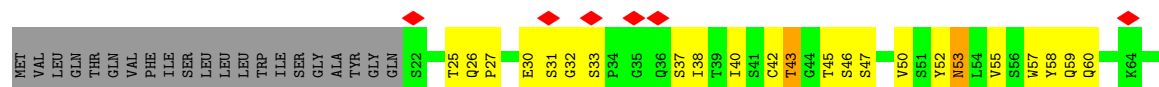
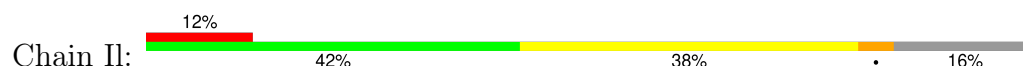
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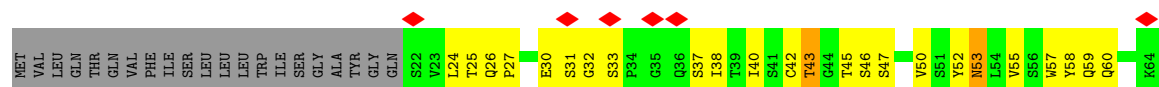
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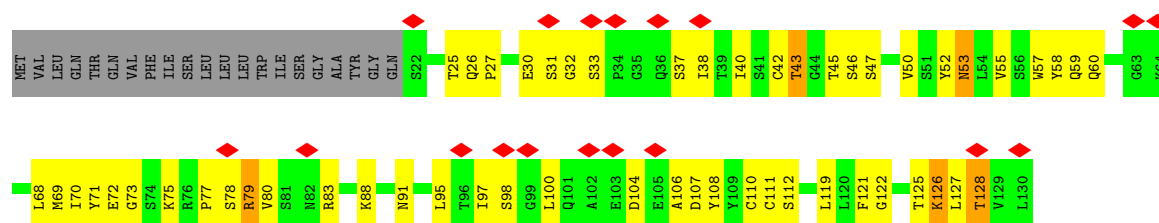
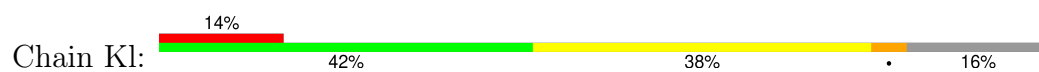
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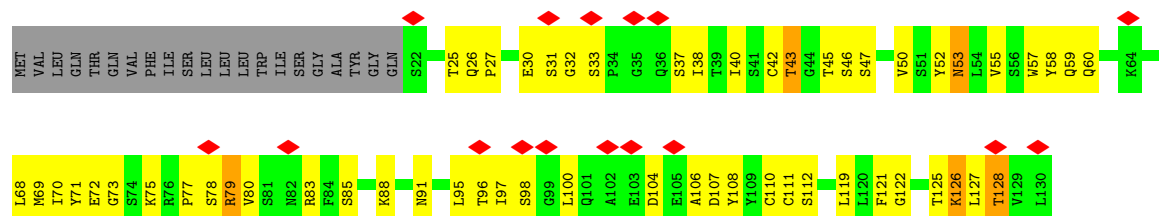
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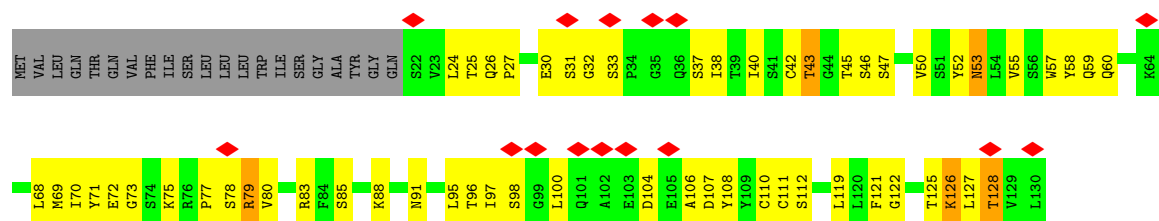
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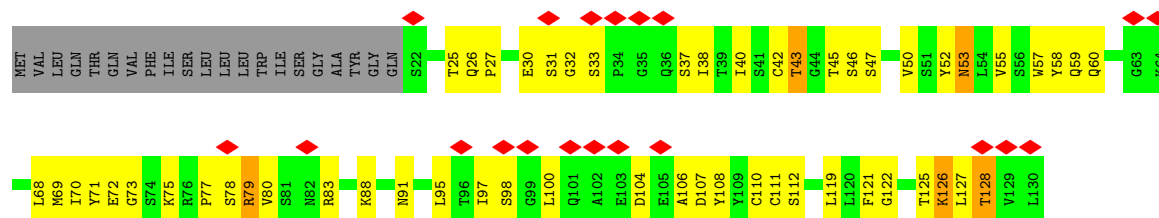
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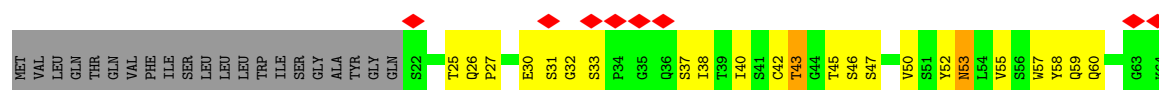
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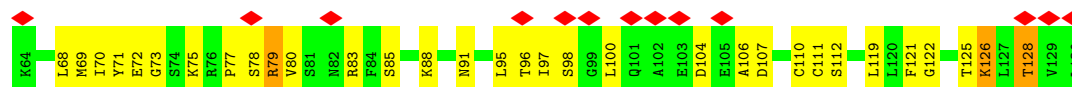
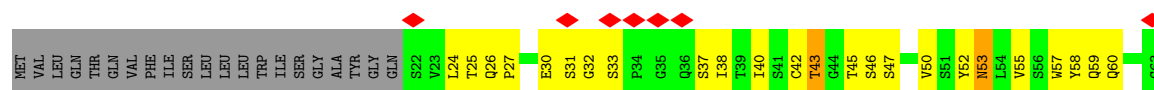
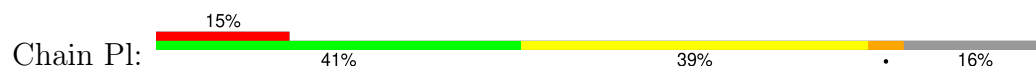


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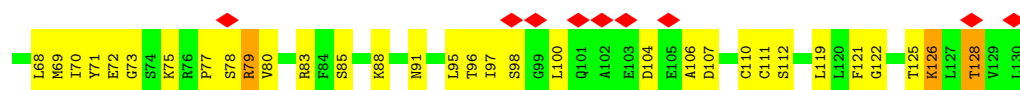
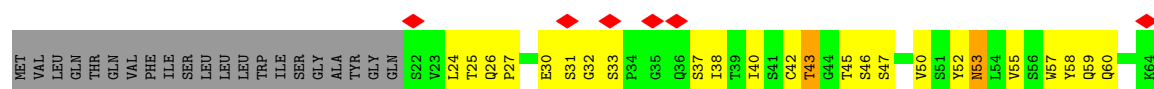
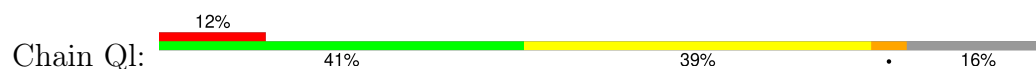




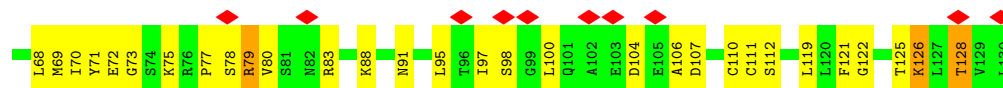
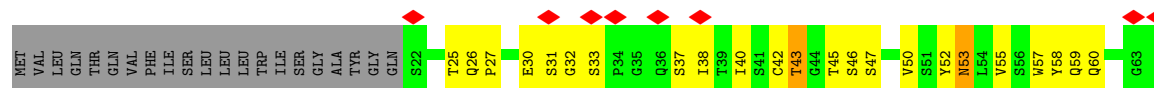
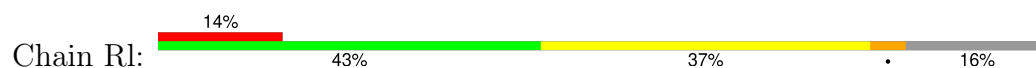
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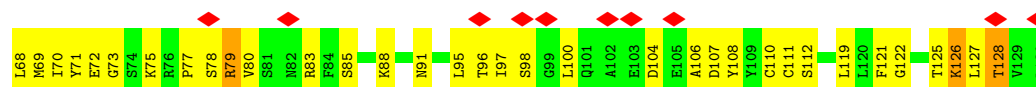
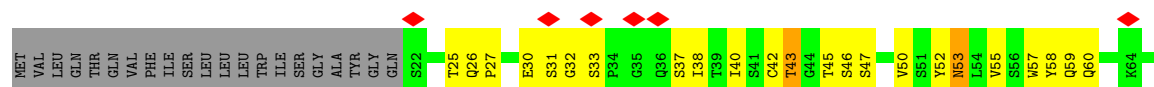
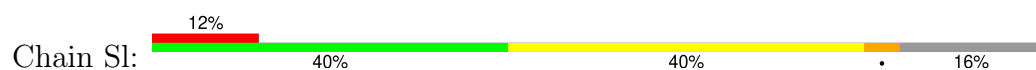
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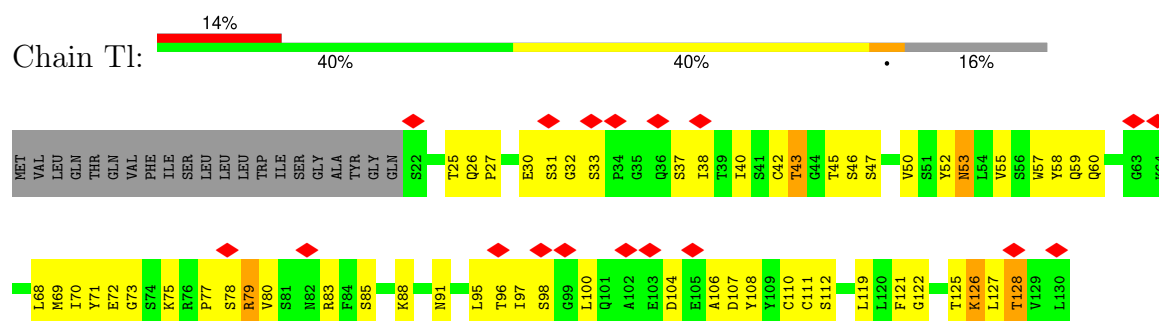
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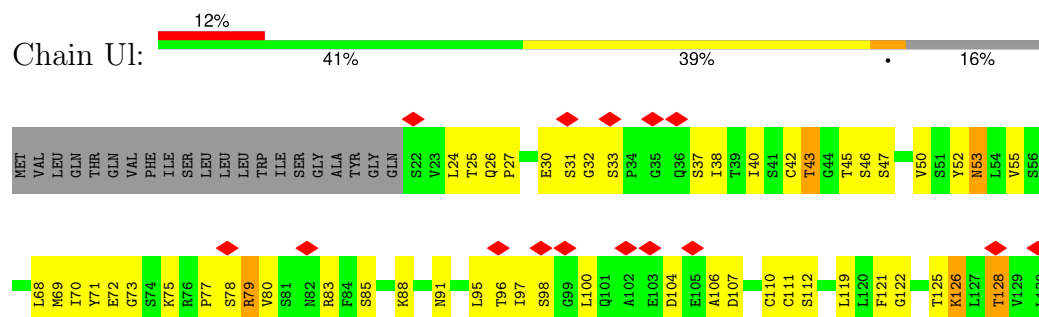
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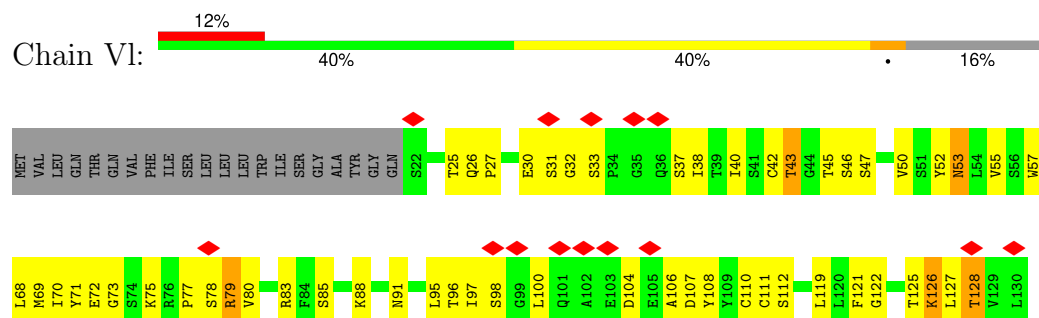
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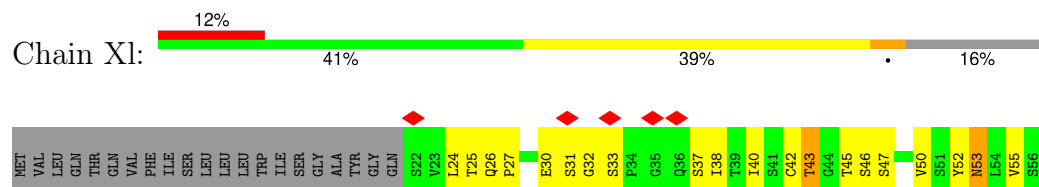
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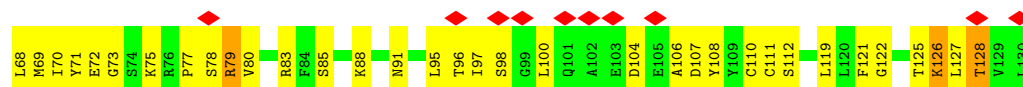
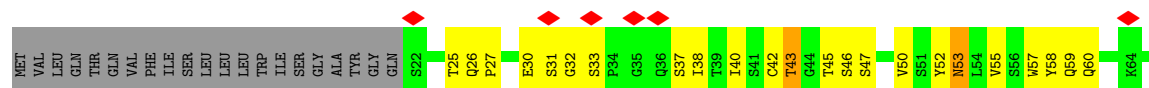
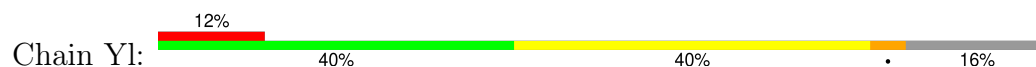


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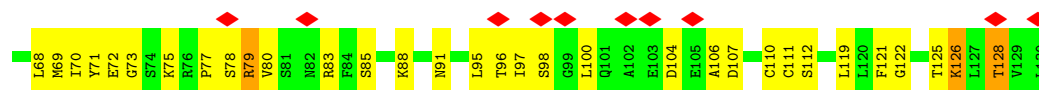
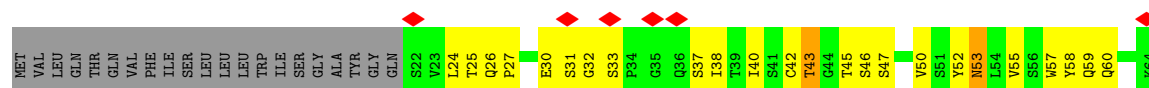




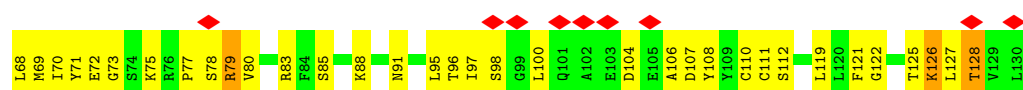
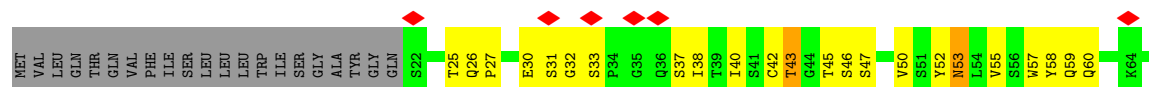
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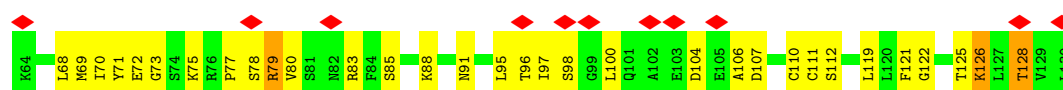
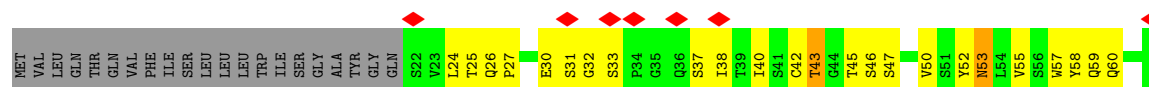
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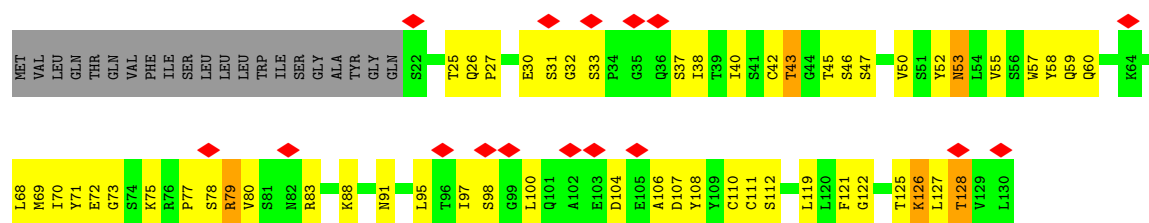
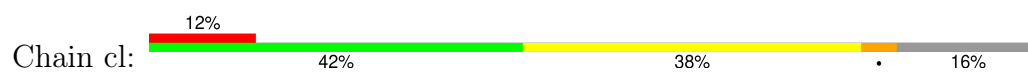
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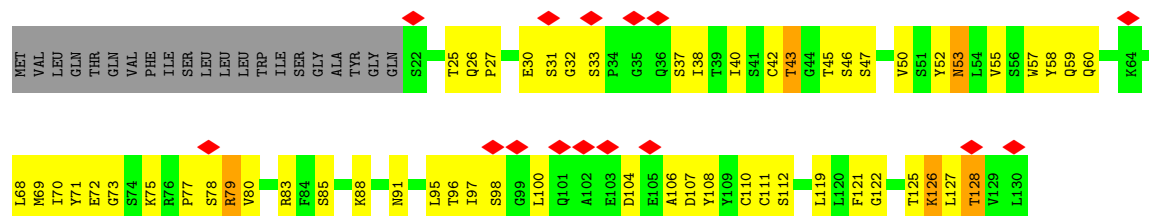
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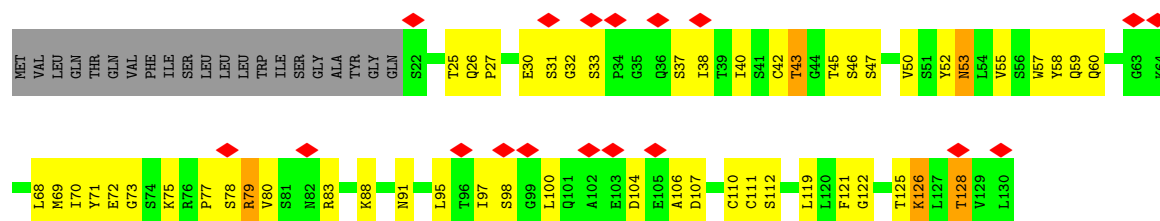
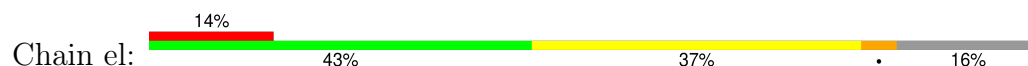
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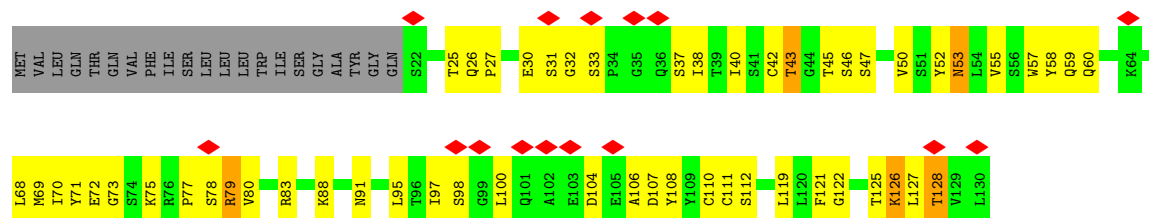
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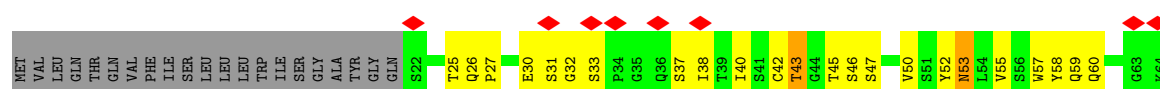
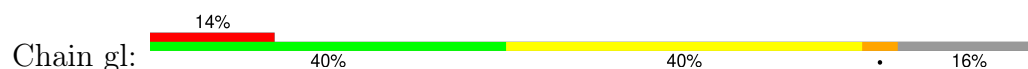
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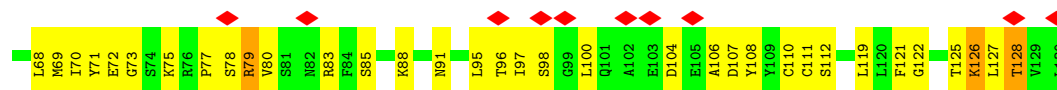


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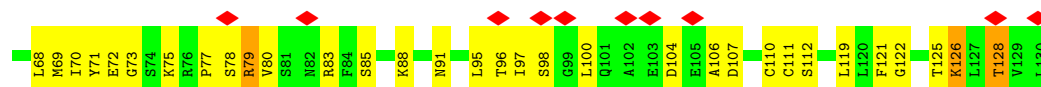
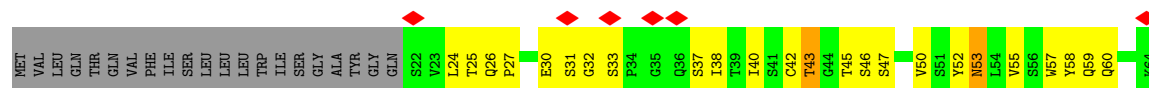
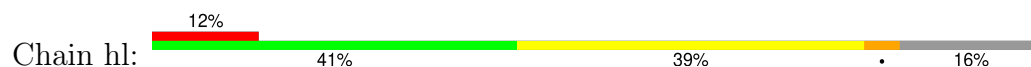


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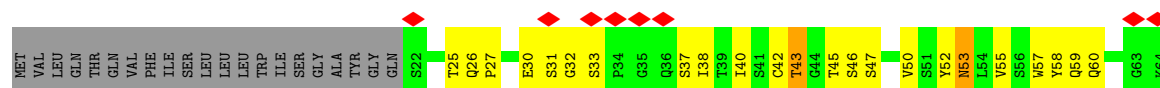




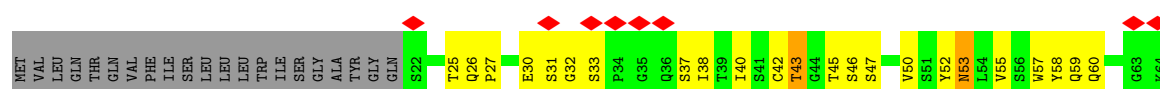
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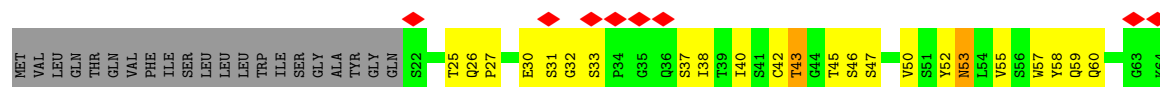
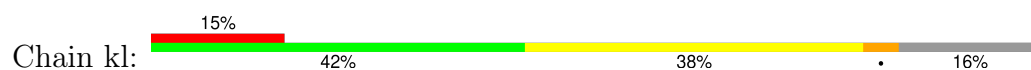
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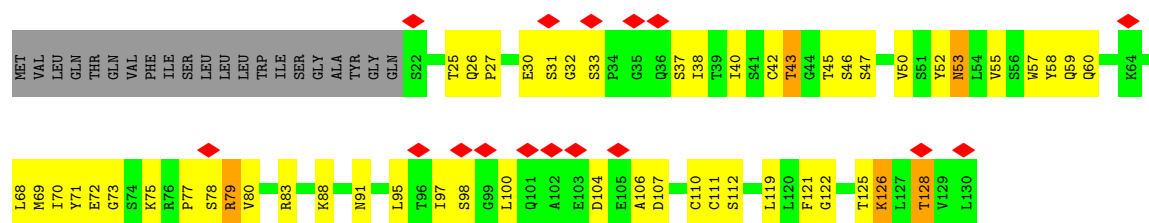
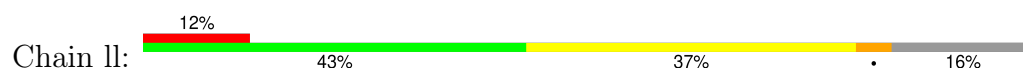
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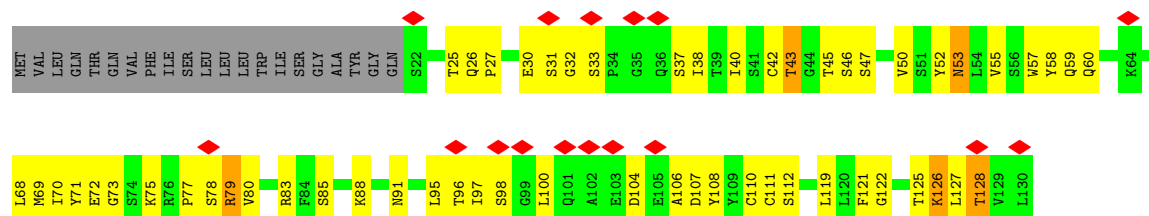
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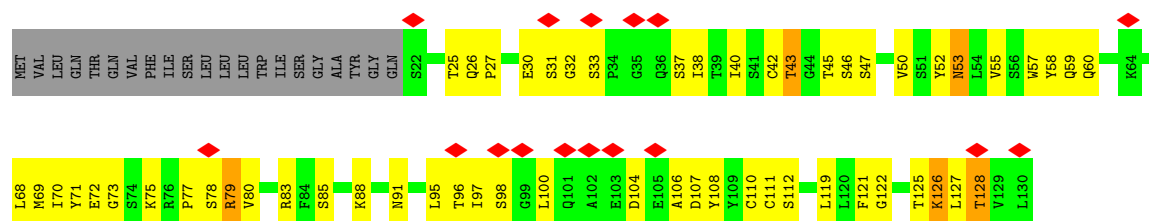
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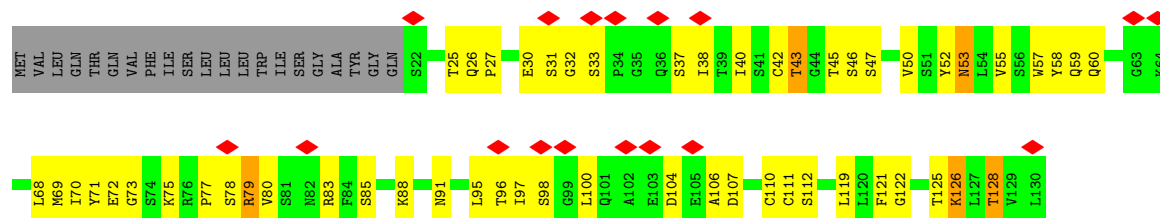
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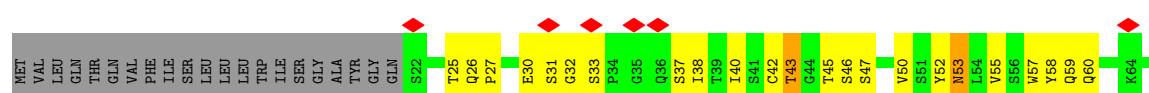
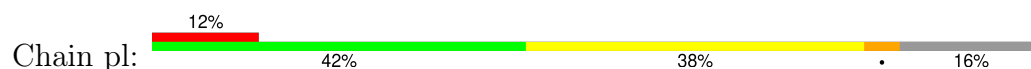
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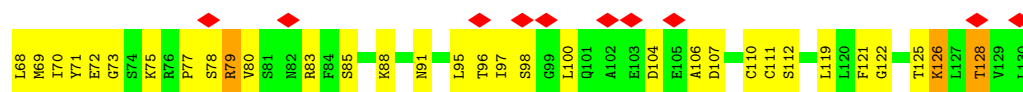


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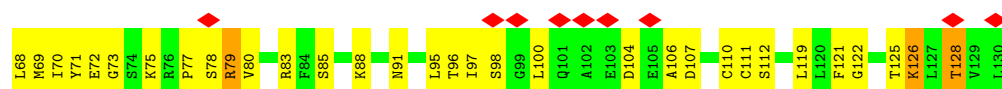
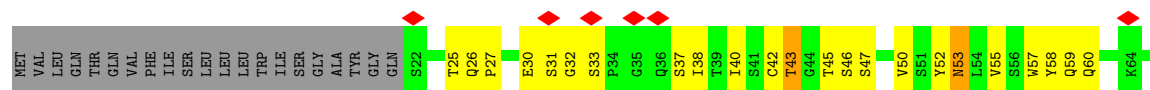
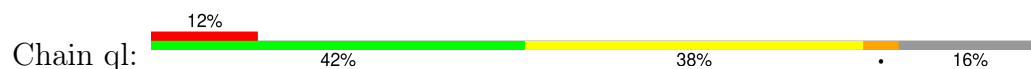


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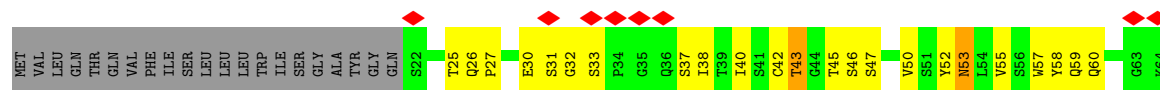
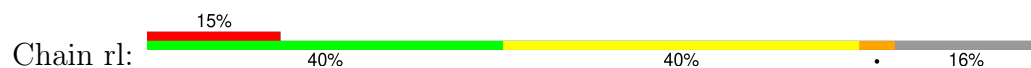




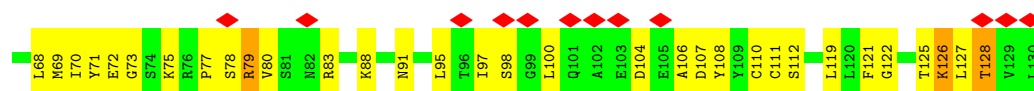
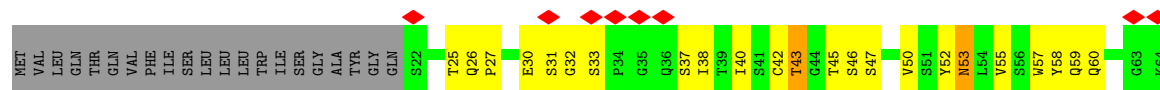
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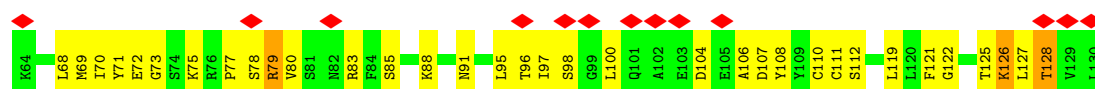
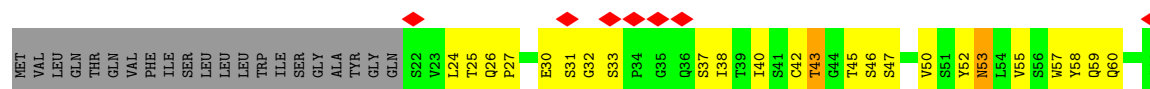
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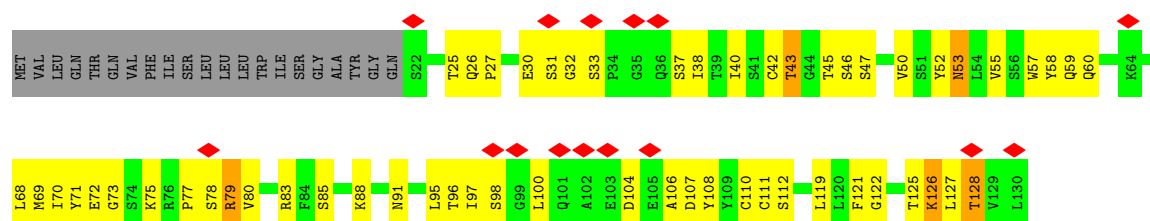
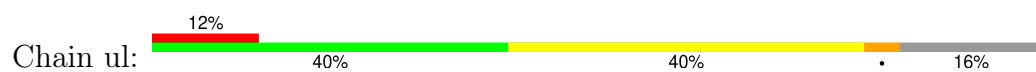
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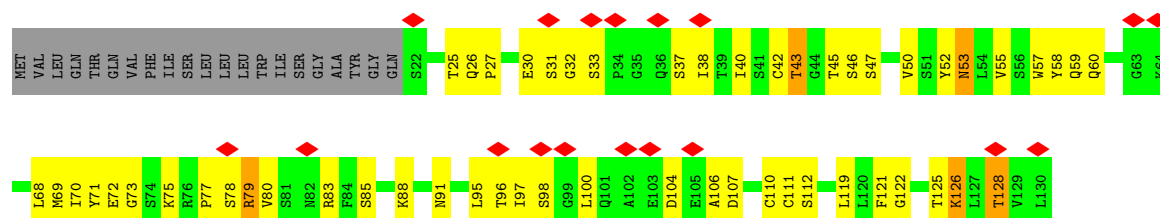
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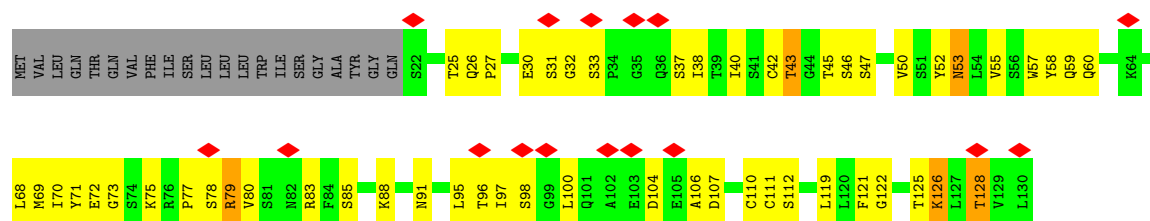
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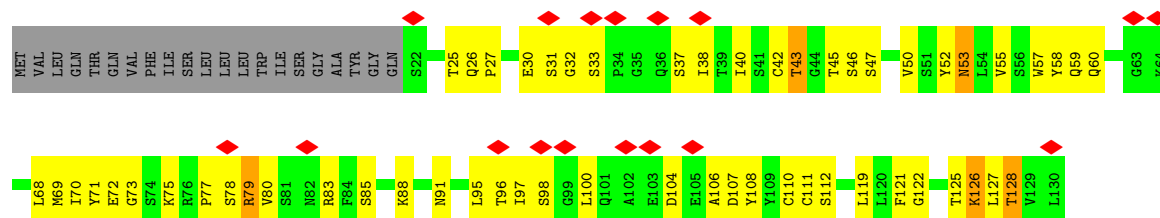
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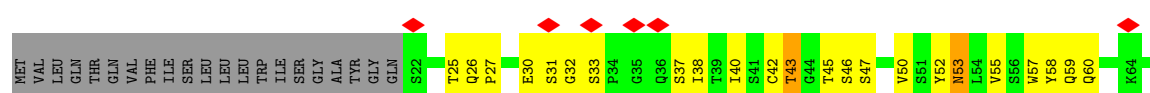
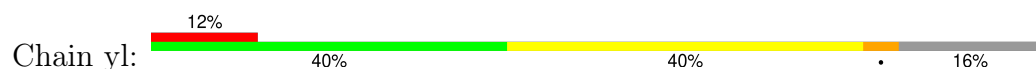
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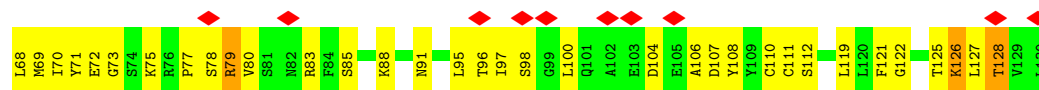


• Molecule 3: IgA-Fab3-2 Light chain

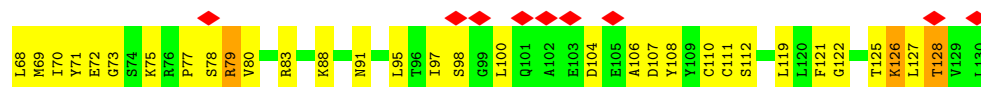
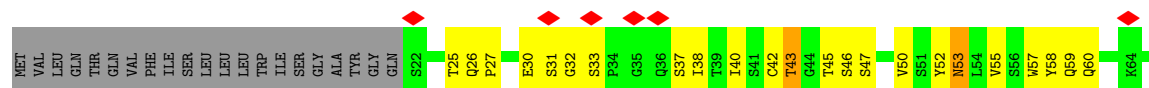
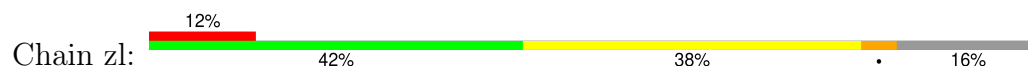


• Molecule 3: IgA-Fab3-2 Light chain

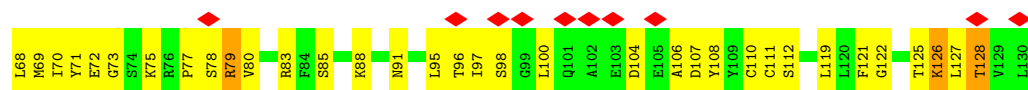
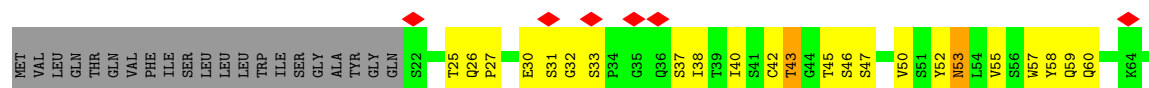




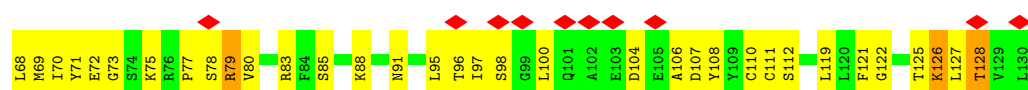
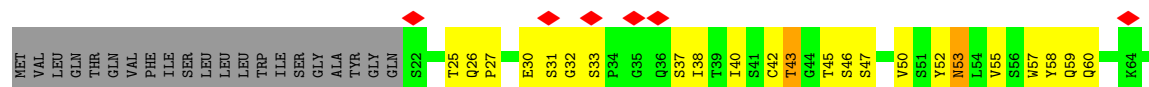
• Molecule 3: IgA-Fab3-2 Light chain



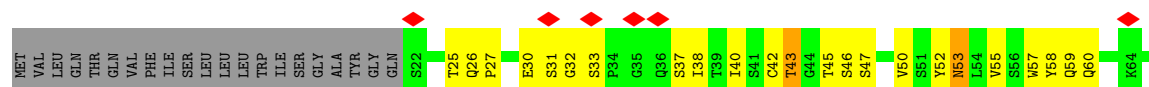
• Molecule 3: IgA-Fab3-2 Light chain



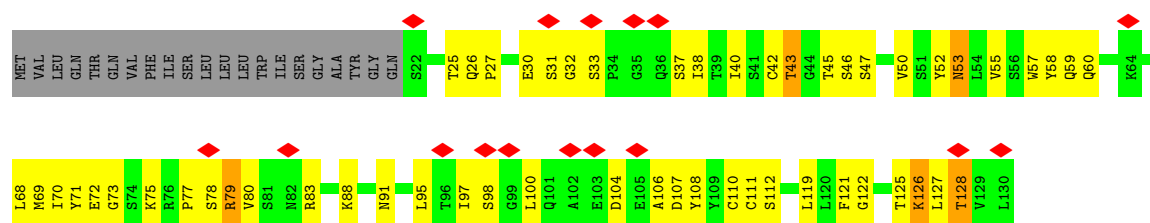
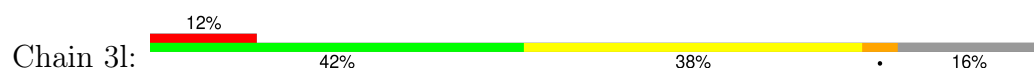
• Molecule 3: IgA-Fab3-2 Light chain



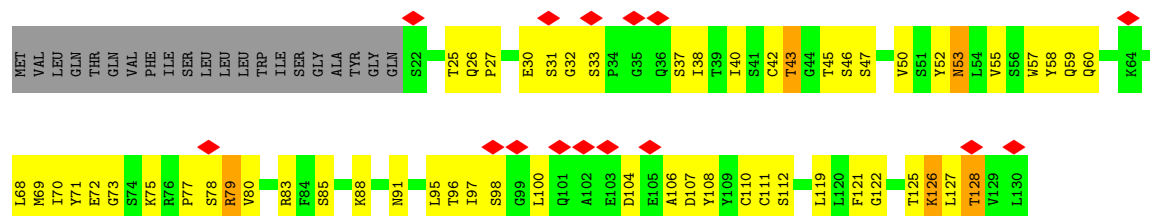
• Molecule 3: IgA-Fab3-2 Light chain



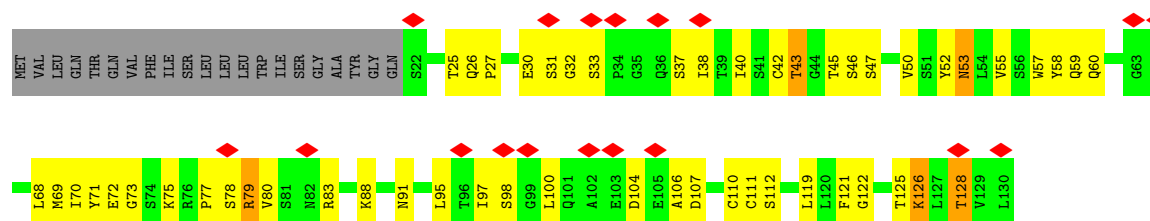
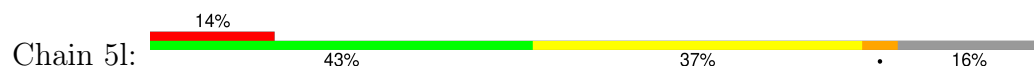
• Molecule 3: IgA-Fab3-2 Light chain



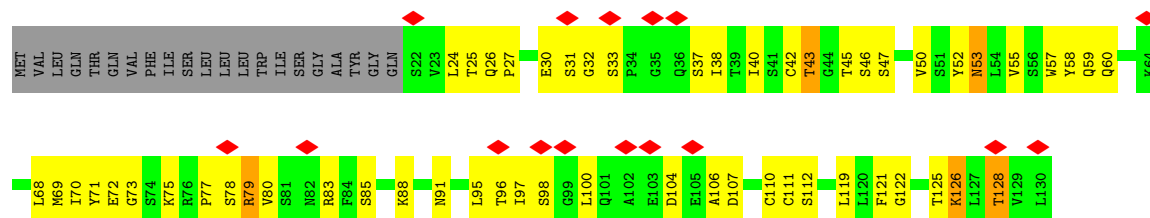
• Molecule 3: IgA-Fab3-2 Light chain



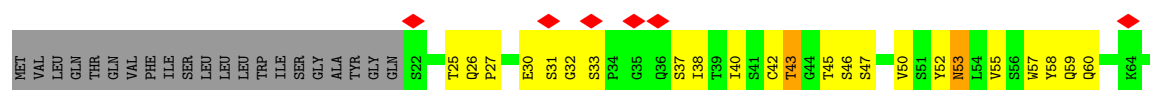
• Molecule 3: IgA-Fab3-2 Light chain

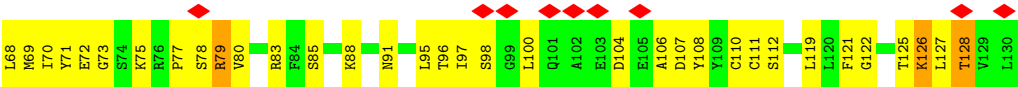


• Molecule 3: IgA-Fab3-2 Light chain



• Molecule 3: IgA-Fab3-2 Light chain





4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	10214	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	TFS GLACIOS	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	32.44	Depositor
Minimum defocus (nm)	320	Depositor
Maximum defocus (nm)	2450	Depositor
Magnification	Not provided	
Image detector	FEI FALCON II (4k x 4k)	Depositor
Maximum map value	16.324	Depositor
Minimum map value	-17.105	Depositor
Average map value	-0.000	Depositor
Map value standard deviation	1.000	Depositor
Recommended contour level	1.5	Depositor
Map size (Å)	441.0, 441.0, 441.0	wwPDB
Map dimensions	600, 600, 600	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	0.735, 0.735, 0.735	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	0	0.50	0/4271	0.77	7/5822 (0.1%)
1	1	0.50	0/4271	0.77	7/5822 (0.1%)
1	2	0.50	0/4271	0.77	7/5822 (0.1%)
1	3	0.50	0/4271	0.77	7/5822 (0.1%)
1	4	0.50	0/4271	0.77	7/5822 (0.1%)
1	5	0.50	0/4271	0.77	7/5822 (0.1%)
1	6	0.50	0/4271	0.77	7/5822 (0.1%)
1	7	0.50	0/4271	0.77	7/5822 (0.1%)
1	A	0.50	0/4271	0.77	7/5822 (0.1%)
1	B	0.50	0/4271	0.90	8/5822 (0.1%)
1	C	0.50	0/4271	0.77	7/5822 (0.1%)
1	D	0.50	0/4271	0.77	7/5822 (0.1%)
1	E	0.50	0/4271	0.77	7/5822 (0.1%)
1	F	0.50	0/4271	0.77	7/5822 (0.1%)
1	G	0.50	0/4271	0.77	7/5822 (0.1%)
1	H	0.50	0/4271	0.77	7/5822 (0.1%)
1	I	0.50	0/4271	0.77	7/5822 (0.1%)
1	J	0.50	0/4271	0.77	7/5822 (0.1%)
1	K	0.50	0/4271	0.77	7/5822 (0.1%)
1	L	0.50	0/4271	0.77	7/5822 (0.1%)
1	M	0.50	0/4271	0.77	7/5822 (0.1%)
1	N	0.50	0/4271	0.77	7/5822 (0.1%)
1	O	0.50	0/4271	0.77	7/5822 (0.1%)
1	P	0.50	0/4271	0.77	7/5822 (0.1%)
1	Q	0.50	0/4271	0.77	7/5822 (0.1%)
1	R	0.50	0/4271	0.77	7/5822 (0.1%)
1	S	0.50	0/4271	0.77	7/5822 (0.1%)
1	T	0.50	0/4271	0.77	7/5822 (0.1%)
1	U	0.50	0/4271	0.77	7/5822 (0.1%)
1	V	0.50	0/4271	0.77	7/5822 (0.1%)
1	W	0.50	0/4271	0.77	7/5822 (0.1%)
1	X	0.50	0/4271	0.77	7/5822 (0.1%)
1	Y	0.50	0/4271	0.77	7/5822 (0.1%)
1	Z	0.50	0/4271	0.77	7/5822 (0.1%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	a	0.50	0/4271	0.77	7/5822 (0.1%)
1	b	0.50	0/4271	0.77	7/5822 (0.1%)
1	c	0.50	0/4271	0.77	7/5822 (0.1%)
1	d	0.50	0/4271	0.77	7/5822 (0.1%)
1	e	0.50	0/4271	0.77	7/5822 (0.1%)
1	f	0.50	0/4271	0.77	7/5822 (0.1%)
1	g	0.50	0/4271	0.77	7/5822 (0.1%)
1	h	0.50	0/4271	0.77	7/5822 (0.1%)
1	i	0.50	0/4271	0.77	7/5822 (0.1%)
1	j	0.50	0/4271	0.77	7/5822 (0.1%)
1	k	0.50	0/4271	0.77	7/5822 (0.1%)
1	l	0.50	0/4271	0.77	7/5822 (0.1%)
1	m	0.50	0/4271	0.77	7/5822 (0.1%)
1	n	0.50	0/4271	0.77	7/5822 (0.1%)
1	o	0.50	0/4271	0.77	7/5822 (0.1%)
1	p	0.50	0/4271	0.77	7/5822 (0.1%)
1	q	0.50	0/4271	0.77	7/5822 (0.1%)
1	r	0.50	0/4271	0.77	7/5822 (0.1%)
1	s	0.50	0/4271	0.77	7/5822 (0.1%)
1	t	0.50	0/4271	0.77	7/5822 (0.1%)
1	u	0.50	0/4271	0.77	7/5822 (0.1%)
1	v	0.50	0/4271	0.77	7/5822 (0.1%)
1	w	0.50	0/4271	0.77	7/5822 (0.1%)
1	x	0.50	0/4271	0.77	7/5822 (0.1%)
1	y	0.50	0/4271	0.77	7/5822 (0.1%)
1	z	0.50	0/4271	0.77	7/5822 (0.1%)
2	0h	0.49	0/1058	0.83	3/1445 (0.2%)
2	1h	0.49	0/1058	0.84	3/1445 (0.2%)
2	2h	0.49	0/1058	0.83	3/1445 (0.2%)
2	3h	0.49	0/1058	0.83	3/1445 (0.2%)
2	4h	0.49	0/1058	0.83	3/1445 (0.2%)
2	5h	0.49	0/1058	0.83	3/1445 (0.2%)
2	6h	0.49	0/1058	0.83	3/1445 (0.2%)
2	7h	0.49	0/1058	0.83	3/1445 (0.2%)
2	Ah	0.49	0/1058	0.83	3/1445 (0.2%)
2	Bh	0.49	0/1058	0.84	3/1445 (0.2%)
2	Ch	0.49	0/1058	0.83	3/1445 (0.2%)
2	Dh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Eh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Fh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Gh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Hh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Ih	0.49	0/1058	0.83	3/1445 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
2	Jh	0.49	0/1058	0.84	3/1445 (0.2%)
2	Kh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Lh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Mh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Nh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Oh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Ph	0.49	0/1058	0.83	3/1445 (0.2%)
2	Qh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Rh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Sh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Th	0.49	0/1058	0.83	3/1445 (0.2%)
2	Uh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Vh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Wh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Xh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Yh	0.49	0/1058	0.83	3/1445 (0.2%)
2	Zh	0.49	0/1058	0.83	3/1445 (0.2%)
2	ah	0.49	0/1058	0.83	3/1445 (0.2%)
2	bh	0.49	0/1058	0.83	3/1445 (0.2%)
2	ch	0.49	0/1058	0.83	3/1445 (0.2%)
2	dh	0.49	0/1058	0.83	3/1445 (0.2%)
2	eh	0.49	0/1058	0.83	3/1445 (0.2%)
2	fh	0.49	0/1058	0.84	3/1445 (0.2%)
2	gh	0.49	0/1058	0.83	3/1445 (0.2%)
2	hh	0.49	0/1058	0.83	3/1445 (0.2%)
2	ih	0.49	0/1058	0.83	3/1445 (0.2%)
2	jh	0.49	0/1058	0.83	3/1445 (0.2%)
2	kh	0.49	0/1058	0.83	3/1445 (0.2%)
2	lh	0.49	0/1058	0.83	3/1445 (0.2%)
2	mh	0.49	0/1058	0.83	3/1445 (0.2%)
2	nh	0.49	0/1058	0.84	3/1445 (0.2%)
2	oh	0.49	0/1058	0.83	3/1445 (0.2%)
2	ph	0.49	0/1058	0.83	3/1445 (0.2%)
2	qh	0.49	0/1058	0.83	3/1445 (0.2%)
2	rh	0.49	0/1058	0.83	3/1445 (0.2%)
2	sh	0.49	0/1058	0.83	3/1445 (0.2%)
2	th	0.49	0/1058	0.83	3/1445 (0.2%)
2	uh	0.49	0/1058	0.83	3/1445 (0.2%)
2	vh	0.49	0/1058	0.83	3/1445 (0.2%)
2	wh	0.49	0/1058	0.83	3/1445 (0.2%)
2	xh	0.49	0/1058	0.83	3/1445 (0.2%)
2	yh	0.49	0/1058	0.83	3/1445 (0.2%)
2	zh	0.49	0/1058	0.84	3/1445 (0.2%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	0l	0.82	0/814	1.03	0/1103
3	1l	0.82	0/814	1.03	0/1103
3	2l	0.82	0/814	1.03	0/1103
3	3l	0.82	0/814	1.03	0/1103
3	4l	0.82	0/814	1.03	0/1103
3	5l	0.82	0/814	1.03	0/1103
3	6l	0.82	0/814	1.03	0/1103
3	7l	0.82	0/814	1.03	0/1103
3	Al	0.82	0/814	1.03	0/1103
3	Bl	0.82	0/814	1.03	0/1103
3	Cl	0.82	0/814	1.03	0/1103
3	Dl	0.82	0/814	1.03	0/1103
3	El	0.82	0/814	1.03	0/1103
3	Fl	0.82	0/814	1.03	0/1103
3	Gl	0.82	0/814	1.03	0/1103
3	Hl	0.82	0/814	1.03	0/1103
3	Il	0.82	0/814	1.03	0/1103
3	Jl	0.82	0/814	1.03	0/1103
3	Kl	0.82	0/814	1.03	0/1103
3	Ll	0.82	0/814	1.03	0/1103
3	Ml	0.82	0/814	1.03	0/1103
3	Nl	0.82	0/814	1.03	0/1103
3	Ol	0.82	0/814	1.03	0/1103
3	Pl	0.82	0/814	1.03	0/1103
3	Ql	0.82	0/814	1.03	0/1103
3	Rl	0.82	0/814	1.03	0/1103
3	Sl	0.82	0/814	1.03	0/1103
3	Tl	0.82	0/814	1.03	0/1103
3	Ul	0.82	0/814	1.03	0/1103
3	Vl	0.82	0/814	1.03	0/1103
3	Wl	0.82	0/814	1.03	0/1103
3	Xl	0.82	0/814	1.03	0/1103
3	Yl	0.82	0/814	1.03	0/1103
3	Zl	0.82	0/814	1.03	0/1103
3	al	0.82	0/814	1.03	0/1103
3	bl	0.82	0/814	1.03	0/1103
3	cl	0.82	0/814	1.03	0/1103
3	dl	0.82	0/814	1.03	0/1103
3	el	0.82	0/814	1.03	0/1103
3	fl	0.82	0/814	1.03	0/1103
3	gl	0.82	0/814	1.03	0/1103
3	hl	0.82	0/814	1.03	0/1103
3	il	0.82	0/814	1.03	0/1103

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
3	jl	0.82	0/814	1.03	0/1103
3	kl	0.82	0/814	1.03	0/1103
3	ll	0.82	0/814	1.03	0/1103
3	ml	0.82	0/814	1.03	0/1103
3	nl	0.82	0/814	1.03	0/1103
3	ol	0.82	0/814	1.03	0/1103
3	pl	0.82	0/814	1.03	0/1103
3	ql	0.82	0/814	1.03	0/1103
3	rl	0.82	0/814	1.03	0/1103
3	sl	0.82	0/814	1.03	0/1103
3	tl	0.82	0/814	1.03	0/1103
3	ul	0.82	0/814	1.03	0/1103
3	vl	0.82	0/814	1.03	0/1103
3	wl	0.82	0/814	1.03	0/1103
3	xl	0.82	0/814	1.03	0/1103
3	yl	0.82	0/814	1.03	0/1103
3	zl	0.82	0/814	1.03	0/1103
All	All	0.55	0/368580	0.82	601/502200 (0.1%)

There are no bond length outliers.

All (601) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	361	CYS	CA-CB-SG	-35.18	30.33	104.20
2	Jh	29	GLY	N-CA-C	8.01	122.34	112.73
2	Xh	29	GLY	N-CA-C	8.01	122.34	112.73
2	nh	29	GLY	N-CA-C	8.01	122.34	112.73
2	lh	29	GLY	N-CA-C	8.01	122.34	112.73
2	6h	29	GLY	N-CA-C	8.01	122.34	112.73
2	zh	29	GLY	N-CA-C	8.00	122.33	112.73
2	Oh	29	GLY	N-CA-C	8.00	122.32	112.73
2	Ch	29	GLY	N-CA-C	7.99	122.32	112.73
2	gh	29	GLY	N-CA-C	7.99	122.32	112.73
2	Bh	29	GLY	N-CA-C	7.97	122.30	112.73
2	fh	29	GLY	N-CA-C	7.97	122.30	112.73
2	Wh	29	GLY	N-CA-C	7.97	122.29	112.73
2	mh	29	GLY	N-CA-C	7.97	122.29	112.73
2	sh	29	GLY	N-CA-C	7.97	122.29	112.73
2	Oh	29	GLY	N-CA-C	7.97	122.29	112.73
2	Kh	29	GLY	N-CA-C	7.97	122.29	112.73
2	Rh	29	GLY	N-CA-C	7.97	122.29	112.73
2	Th	29	GLY	N-CA-C	7.97	122.29	112.73

Continued on next page...

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	vh	29	GLY	N-CA-C	7.97	122.29	112.73
2	Lh	29	GLY	N-CA-C	7.96	122.29	112.73
2	Sh	29	GLY	N-CA-C	7.96	122.29	112.73
2	Zh	29	GLY	N-CA-C	7.96	122.29	112.73
2	ch	29	GLY	N-CA-C	7.96	122.29	112.73
2	ph	29	GLY	N-CA-C	7.96	122.29	112.73
2	wh	29	GLY	N-CA-C	7.96	122.29	112.73
2	3h	29	GLY	N-CA-C	7.96	122.29	112.73
2	Gh	29	GLY	N-CA-C	7.96	122.28	112.73
2	kh	29	GLY	N-CA-C	7.96	122.28	112.73
2	Dh	29	GLY	N-CA-C	7.96	122.28	112.73
2	Uh	29	GLY	N-CA-C	7.96	122.28	112.73
2	hh	29	GLY	N-CA-C	7.96	122.28	112.73
2	Hh	29	GLY	N-CA-C	7.95	122.27	112.73
2	Ih	29	GLY	N-CA-C	7.95	122.27	112.73
2	oh	29	GLY	N-CA-C	7.95	122.27	112.73
2	Yh	29	GLY	N-CA-C	7.94	122.26	112.73
2	lh	29	GLY	N-CA-C	7.94	122.26	112.73
2	2h	29	GLY	N-CA-C	7.94	122.26	112.73
2	Qh	29	GLY	N-CA-C	7.94	122.25	112.73
2	yh	29	GLY	N-CA-C	7.93	122.25	112.73
2	Ah	29	GLY	N-CA-C	7.93	122.24	112.73
2	Nh	29	GLY	N-CA-C	7.92	122.23	112.73
2	Vh	29	GLY	N-CA-C	7.91	122.22	112.73
2	Eh	29	GLY	N-CA-C	7.44	122.29	112.77
2	Fh	29	GLY	N-CA-C	7.43	122.28	112.77
2	Ph	29	GLY	N-CA-C	7.43	122.28	112.77
2	ih	29	GLY	N-CA-C	7.43	122.28	112.77
2	jh	29	GLY	N-CA-C	7.43	122.28	112.77
2	rh	29	GLY	N-CA-C	7.43	122.28	112.77
2	th	29	GLY	N-CA-C	7.43	122.28	112.77
2	Mh	29	GLY	N-CA-C	7.42	122.27	112.77
2	bh	29	GLY	N-CA-C	7.42	122.27	112.77
2	eh	29	GLY	N-CA-C	7.42	122.27	112.77
2	qh	29	GLY	N-CA-C	7.42	122.27	112.77
2	uh	29	GLY	N-CA-C	7.42	122.27	112.77
2	5h	29	GLY	N-CA-C	7.42	122.27	112.77
2	xh	29	GLY	N-CA-C	7.42	122.26	112.77
2	ah	29	GLY	N-CA-C	7.40	122.24	112.77
2	dh	29	GLY	N-CA-C	7.40	122.24	112.77
2	4h	29	GLY	N-CA-C	7.40	122.24	112.77
2	7h	29	GLY	N-CA-C	7.40	122.24	112.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	E	550	THR	N-CA-C	7.06	120.40	108.90
1	P	550	THR	N-CA-C	7.06	120.40	108.90
1	t	550	THR	N-CA-C	7.06	120.40	108.90
1	J	550	THR	N-CA-C	7.05	120.39	108.90
1	n	550	THR	N-CA-C	7.05	120.39	108.90
1	l	550	THR	N-CA-C	7.05	120.39	108.90
1	z	550	THR	N-CA-C	7.04	120.38	108.90
1	A	550	THR	N-CA-C	7.04	120.38	108.90
1	F	550	THR	N-CA-C	7.04	120.38	108.90
1	G	550	THR	N-CA-C	7.04	120.38	108.90
1	N	550	THR	N-CA-C	7.04	120.38	108.90
1	O	550	THR	N-CA-C	7.04	120.38	108.90
1	j	550	THR	N-CA-C	7.04	120.38	108.90
1	k	550	THR	N-CA-C	7.04	120.38	108.90
1	r	550	THR	N-CA-C	7.04	120.38	108.90
1	s	550	THR	N-CA-C	7.04	120.38	108.90
1	K	550	THR	N-CA-C	7.04	120.38	108.90
1	R	550	THR	N-CA-C	7.04	120.38	108.90
1	e	550	THR	N-CA-C	7.04	120.38	108.90
1	o	550	THR	N-CA-C	7.04	120.38	108.90
1	v	550	THR	N-CA-C	7.04	120.38	108.90
1	C	550	THR	N-CA-C	7.03	120.36	108.90
1	T	550	THR	N-CA-C	7.03	120.36	108.90
1	g	550	THR	N-CA-C	7.03	120.36	108.90
1	x	550	THR	N-CA-C	7.03	120.36	108.90
1	L	550	THR	N-CA-C	7.03	120.36	108.90
1	S	550	THR	N-CA-C	7.03	120.36	108.90
1	Z	550	THR	N-CA-C	7.03	120.36	108.90
1	c	550	THR	N-CA-C	7.03	120.36	108.90
1	p	550	THR	N-CA-C	7.03	120.36	108.90
1	w	550	THR	N-CA-C	7.03	120.36	108.90
1	6	550	THR	N-CA-C	7.03	120.36	108.90
1	H	550	THR	N-CA-C	7.03	120.36	108.90
1	M	550	THR	N-CA-C	7.03	120.36	108.90
1	Q	550	THR	N-CA-C	7.03	120.36	108.90
1	X	550	THR	N-CA-C	7.03	120.36	108.90
1	Y	550	THR	N-CA-C	7.03	120.36	108.90
1	l	550	THR	N-CA-C	7.03	120.36	108.90
1	q	550	THR	N-CA-C	7.03	120.36	108.90
1	2	550	THR	N-CA-C	7.03	120.36	108.90
1	b	550	THR	N-CA-C	7.03	120.35	108.90
1	V	550	THR	N-CA-C	7.02	120.34	108.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	a	550	THR	N-CA-C	7.02	120.34	108.90
1	d	550	THR	N-CA-C	7.02	120.34	108.90
1	4	550	THR	N-CA-C	7.02	120.34	108.90
1	7	550	THR	N-CA-C	7.02	120.34	108.90
1	I	550	THR	N-CA-C	7.02	120.34	108.90
1	W	550	THR	N-CA-C	7.02	120.34	108.90
1	m	550	THR	N-CA-C	7.02	120.34	108.90
1	0	550	THR	N-CA-C	7.02	120.34	108.90
1	5	550	THR	N-CA-C	7.02	120.34	108.90
1	i	550	THR	N-CA-C	7.02	120.34	108.90
1	u	550	THR	N-CA-C	7.02	120.34	108.90
1	D	550	THR	N-CA-C	7.01	120.32	108.90
1	U	550	THR	N-CA-C	7.01	120.32	108.90
1	h	550	THR	N-CA-C	7.01	120.32	108.90
1	y	550	THR	N-CA-C	7.01	120.32	108.90
1	3	550	THR	N-CA-C	7.01	120.32	108.90
1	B	550	THR	N-CA-C	7.00	120.32	108.90
1	f	550	THR	N-CA-C	7.00	120.32	108.90
1	5	336	LEU	N-CA-C	6.60	118.47	111.28
1	A	336	LEU	N-CA-C	6.59	118.46	111.28
1	u	336	LEU	N-CA-C	6.59	118.46	111.28
1	x	336	LEU	N-CA-C	6.57	118.44	111.28
1	F	336	LEU	N-CA-C	6.57	118.44	111.28
1	G	336	LEU	N-CA-C	6.57	118.44	111.28
1	O	336	LEU	N-CA-C	6.57	118.44	111.28
1	j	336	LEU	N-CA-C	6.57	118.44	111.28
1	k	336	LEU	N-CA-C	6.57	118.44	111.28
1	r	336	LEU	N-CA-C	6.57	118.44	111.28
1	s	336	LEU	N-CA-C	6.57	118.44	111.28
1	K	336	LEU	N-CA-C	6.56	118.43	111.28
1	b	336	LEU	N-CA-C	6.56	118.43	111.28
1	e	336	LEU	N-CA-C	6.56	118.43	111.28
1	D	336	LEU	N-CA-C	6.56	118.43	111.28
1	U	336	LEU	N-CA-C	6.56	118.43	111.28
1	y	336	LEU	N-CA-C	6.56	118.43	111.28
1	h	336	LEU	N-CA-C	6.56	118.43	111.28
1	X	336	LEU	N-CA-C	6.55	118.42	111.28
1	E	336	LEU	N-CA-C	6.55	118.42	111.28
1	P	336	LEU	N-CA-C	6.55	118.42	111.28
1	Z	336	LEU	N-CA-C	6.55	118.42	111.28
1	c	336	LEU	N-CA-C	6.55	118.42	111.28
1	3	336	LEU	N-CA-C	6.55	118.42	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	6	336	LEU	N-CA-C	6.55	118.42	111.28
1	B	336	LEU	N-CA-C	6.55	118.42	111.28
1	V	336	LEU	N-CA-C	6.55	118.42	111.28
1	a	336	LEU	N-CA-C	6.55	118.42	111.28
1	d	336	LEU	N-CA-C	6.55	118.42	111.28
1	f	336	LEU	N-CA-C	6.55	118.42	111.28
1	4	336	LEU	N-CA-C	6.55	118.42	111.28
1	7	336	LEU	N-CA-C	6.55	118.42	111.28
1	J	336	LEU	N-CA-C	6.54	118.41	111.28
1	n	336	LEU	N-CA-C	6.54	118.41	111.28
1	l	336	LEU	N-CA-C	6.54	118.41	111.28
1	M	336	LEU	N-CA-C	6.54	118.41	111.28
1	Q	336	LEU	N-CA-C	6.54	118.41	111.28
1	q	336	LEU	N-CA-C	6.54	118.41	111.28
1	z	336	LEU	N-CA-C	6.54	118.41	111.28
1	H	336	LEU	N-CA-C	6.54	118.41	111.28
1	Y	336	LEU	N-CA-C	6.54	118.41	111.28
1	l	336	LEU	N-CA-C	6.54	118.41	111.28
1	2	336	LEU	N-CA-C	6.54	118.41	111.28
1	i	336	LEU	N-CA-C	6.53	118.40	111.28
1	t	336	LEU	N-CA-C	6.53	118.40	111.28
1	I	336	LEU	N-CA-C	6.53	118.40	111.28
1	W	336	LEU	N-CA-C	6.53	118.40	111.28
1	m	336	LEU	N-CA-C	6.53	118.40	111.28
1	0	336	LEU	N-CA-C	6.53	118.40	111.28
1	C	336	LEU	N-CA-C	6.52	118.39	111.28
1	T	336	LEU	N-CA-C	6.52	118.39	111.28
1	g	336	LEU	N-CA-C	6.52	118.39	111.28
1	R	336	LEU	N-CA-C	6.52	118.39	111.28
1	o	336	LEU	N-CA-C	6.52	118.39	111.28
1	v	336	LEU	N-CA-C	6.52	118.39	111.28
1	L	336	LEU	N-CA-C	6.52	118.38	111.28
1	S	336	LEU	N-CA-C	6.52	118.38	111.28
1	p	336	LEU	N-CA-C	6.52	118.38	111.28
1	w	336	LEU	N-CA-C	6.52	118.38	111.28
1	N	336	LEU	N-CA-C	6.52	118.38	111.28
1	K	434	MET	N-CA-C	6.19	118.51	110.53
1	T	434	MET	N-CA-C	6.18	118.51	110.53
1	E	434	MET	N-CA-C	6.18	118.50	110.53
1	P	434	MET	N-CA-C	6.18	118.50	110.53
1	i	434	MET	N-CA-C	6.18	118.50	110.53
1	t	434	MET	N-CA-C	6.18	118.50	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	Z	434	MET	N-CA-C	6.18	118.50	110.53
1	c	434	MET	N-CA-C	6.18	118.50	110.53
1	h	434	MET	N-CA-C	6.18	118.50	110.53
1	3	434	MET	N-CA-C	6.18	118.50	110.53
1	6	434	MET	N-CA-C	6.18	118.50	110.53
1	G	434	MET	N-CA-C	6.17	118.49	110.53
1	O	434	MET	N-CA-C	6.17	118.49	110.53
1	V	434	MET	N-CA-C	6.17	118.49	110.53
1	k	434	MET	N-CA-C	6.17	118.49	110.53
1	s	434	MET	N-CA-C	6.17	118.49	110.53
1	J	434	MET	N-CA-C	6.17	118.49	110.53
1	n	434	MET	N-CA-C	6.17	118.49	110.53
1	l	434	MET	N-CA-C	6.17	118.49	110.53
1	F	434	MET	N-CA-C	6.17	118.48	110.53
1	j	434	MET	N-CA-C	6.17	118.48	110.53
1	r	434	MET	N-CA-C	6.17	118.48	110.53
1	A	434	MET	N-CA-C	6.16	118.48	110.53
1	C	434	MET	N-CA-C	6.16	118.48	110.53
1	g	434	MET	N-CA-C	6.16	118.48	110.53
1	x	434	MET	N-CA-C	6.16	118.48	110.53
1	M	434	MET	N-CA-C	6.16	118.48	110.53
1	Q	434	MET	N-CA-C	6.16	118.48	110.53
1	q	434	MET	N-CA-C	6.16	118.48	110.53
1	I	434	MET	N-CA-C	6.16	118.47	110.53
1	W	434	MET	N-CA-C	6.16	118.47	110.53
1	X	434	MET	N-CA-C	6.16	118.47	110.53
1	m	434	MET	N-CA-C	6.16	118.47	110.53
1	0	434	MET	N-CA-C	6.16	118.47	110.53
1	M	323	VAL	N-CA-C	6.16	116.73	108.11
1	Q	323	VAL	N-CA-C	6.16	116.73	108.11
1	q	323	VAL	N-CA-C	6.16	116.73	108.11
1	b	434	MET	N-CA-C	6.15	118.47	110.53
1	e	434	MET	N-CA-C	6.15	118.47	110.53
1	u	323	VAL	N-CA-C	6.15	116.72	108.11
1	o	323	VAL	N-CA-C	6.15	116.72	108.11
1	N	434	MET	N-CA-C	6.14	118.46	110.53
1	R	434	MET	N-CA-C	6.14	118.45	110.53
1	v	434	MET	N-CA-C	6.14	118.45	110.53
1	3	323	VAL	N-CA-C	6.14	116.71	108.11
1	B	434	MET	N-CA-C	6.14	118.45	110.53
1	a	434	MET	N-CA-C	6.14	118.45	110.53
1	d	434	MET	N-CA-C	6.14	118.45	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	f	434	MET	N-CA-C	6.14	118.45	110.53
1	u	434	MET	N-CA-C	6.14	118.45	110.53
1	4	434	MET	N-CA-C	6.14	118.45	110.53
1	7	434	MET	N-CA-C	6.14	118.45	110.53
1	H	323	VAL	N-CA-C	6.14	116.70	108.11
1	Y	323	VAL	N-CA-C	6.14	116.70	108.11
1	l	323	VAL	N-CA-C	6.14	116.70	108.11
1	2	323	VAL	N-CA-C	6.14	116.70	108.11
1	G	323	VAL	N-CA-C	6.14	116.70	108.11
1	O	323	VAL	N-CA-C	6.14	116.70	108.11
1	k	323	VAL	N-CA-C	6.14	116.70	108.11
1	s	323	VAL	N-CA-C	6.14	116.70	108.11
1	R	323	VAL	N-CA-C	6.13	116.70	108.11
1	v	323	VAL	N-CA-C	6.13	116.70	108.11
1	5	323	VAL	N-CA-C	6.13	116.70	108.11
1	D	323	VAL	N-CA-C	6.13	116.69	108.11
1	U	323	VAL	N-CA-C	6.13	116.69	108.11
1	c	323	VAL	N-CA-C	6.13	116.69	108.11
1	h	323	VAL	N-CA-C	6.13	116.69	108.11
1	o	434	MET	N-CA-C	6.13	118.44	110.53
1	y	323	VAL	N-CA-C	6.13	116.69	108.11
1	z	434	MET	N-CA-C	6.13	118.44	110.53
1	6	323	VAL	N-CA-C	6.13	116.69	108.11
1	D	434	MET	N-CA-C	6.13	118.44	110.53
1	F	323	VAL	N-CA-C	6.13	116.69	108.11
1	N	323	VAL	N-CA-C	6.13	116.69	108.11
1	U	434	MET	N-CA-C	6.13	118.44	110.53
1	j	323	VAL	N-CA-C	6.13	116.69	108.11
1	r	323	VAL	N-CA-C	6.13	116.69	108.11
1	y	434	MET	N-CA-C	6.13	118.44	110.53
1	C	323	VAL	N-CA-C	6.13	116.69	108.11
1	T	323	VAL	N-CA-C	6.13	116.69	108.11
1	g	323	VAL	N-CA-C	6.13	116.69	108.11
1	5	434	MET	N-CA-C	6.13	118.43	110.53
1	K	323	VAL	N-CA-C	6.12	116.68	108.11
1	L	434	MET	N-CA-C	6.12	118.42	110.53
1	S	434	MET	N-CA-C	6.12	118.42	110.53
1	p	434	MET	N-CA-C	6.12	118.42	110.53
1	w	434	MET	N-CA-C	6.12	118.42	110.53
1	A	323	VAL	N-CA-C	6.11	116.67	108.11
1	V	323	VAL	N-CA-C	6.11	116.67	108.11
1	a	323	VAL	N-CA-C	6.11	116.67	108.11

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	b	323	VAL	N-CA-C	6.11	116.67	108.11
1	d	323	VAL	N-CA-C	6.11	116.67	108.11
1	e	323	VAL	N-CA-C	6.11	116.67	108.11
1	4	323	VAL	N-CA-C	6.11	116.67	108.11
1	7	323	VAL	N-CA-C	6.11	116.67	108.11
1	H	434	MET	N-CA-C	6.11	118.41	110.53
1	Y	434	MET	N-CA-C	6.11	118.41	110.53
1	l	434	MET	N-CA-C	6.11	118.41	110.53
1	t	323	VAL	N-CA-C	6.11	116.67	108.11
1	z	323	VAL	N-CA-C	6.11	116.66	108.11
1	2	434	MET	N-CA-C	6.11	118.41	110.53
1	L	323	VAL	N-CA-C	6.11	116.66	108.11
1	p	323	VAL	N-CA-C	6.11	116.66	108.11
1	w	323	VAL	N-CA-C	6.11	116.66	108.11
1	X	323	VAL	N-CA-C	6.11	116.66	108.11
1	1	323	VAL	N-CA-C	6.11	116.66	108.11
1	E	323	VAL	N-CA-C	6.10	116.66	108.11
1	P	323	VAL	N-CA-C	6.10	116.66	108.11
1	i	323	VAL	N-CA-C	6.10	116.66	108.11
1	J	323	VAL	N-CA-C	6.10	116.65	108.11
1	n	323	VAL	N-CA-C	6.10	116.65	108.11
1	x	323	VAL	N-CA-C	6.10	116.65	108.11
1	I	323	VAL	N-CA-C	6.10	116.65	108.11
1	W	323	VAL	N-CA-C	6.10	116.65	108.11
1	m	323	VAL	N-CA-C	6.10	116.65	108.11
1	0	323	VAL	N-CA-C	6.10	116.65	108.11
1	S	323	VAL	N-CA-C	6.10	116.65	108.11
1	B	323	VAL	N-CA-C	6.09	116.64	108.11
1	f	323	VAL	N-CA-C	6.09	116.64	108.11
1	Z	323	VAL	N-CA-C	6.08	116.63	108.11
1	E	551	ASN	N-CA-C	5.74	119.34	111.54
1	5	551	ASN	N-CA-C	5.72	119.31	111.54
1	a	551	ASN	N-CA-C	5.71	119.31	111.54
1	d	551	ASN	N-CA-C	5.71	119.31	111.54
1	4	551	ASN	N-CA-C	5.71	119.31	111.54
1	7	551	ASN	N-CA-C	5.71	119.31	111.54
1	O	551	ASN	N-CA-C	5.71	119.31	111.54
1	u	551	ASN	N-CA-C	5.71	119.30	111.54
1	z	551	ASN	N-CA-C	5.71	119.30	111.54
1	M	551	ASN	N-CA-C	5.70	119.30	111.54
1	Q	551	ASN	N-CA-C	5.70	119.30	111.54
1	X	551	ASN	N-CA-C	5.70	119.30	111.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	q	551	ASN	N-CA-C	5.70	119.30	111.54
1	B	551	ASN	N-CA-C	5.70	119.29	111.54
1	D	551	ASN	N-CA-C	5.70	119.29	111.54
1	L	551	ASN	N-CA-C	5.70	119.29	111.54
1	S	551	ASN	N-CA-C	5.70	119.29	111.54
1	U	551	ASN	N-CA-C	5.70	119.29	111.54
1	Z	551	ASN	N-CA-C	5.70	119.29	111.54
1	c	551	ASN	N-CA-C	5.70	119.29	111.54
1	f	551	ASN	N-CA-C	5.70	119.29	111.54
1	h	551	ASN	N-CA-C	5.70	119.29	111.54
1	p	551	ASN	N-CA-C	5.70	119.29	111.54
1	w	551	ASN	N-CA-C	5.70	119.29	111.54
1	y	551	ASN	N-CA-C	5.70	119.29	111.54
1	3	551	ASN	N-CA-C	5.70	119.29	111.54
1	6	551	ASN	N-CA-C	5.70	119.29	111.54
1	C	551	ASN	N-CA-C	5.69	119.28	111.54
1	g	551	ASN	N-CA-C	5.69	119.28	111.54
1	l	551	ASN	N-CA-C	5.69	119.28	111.54
1	K	551	ASN	N-CA-C	5.68	119.27	111.54
1	R	551	ASN	N-CA-C	5.68	119.27	111.54
1	T	551	ASN	N-CA-C	5.68	119.27	111.54
1	b	551	ASN	N-CA-C	5.68	119.27	111.54
1	e	551	ASN	N-CA-C	5.68	119.27	111.54
1	o	551	ASN	N-CA-C	5.68	119.27	111.54
1	v	551	ASN	N-CA-C	5.68	119.27	111.54
1	x	551	ASN	N-CA-C	5.68	119.27	111.54
1	H	551	ASN	N-CA-C	5.68	119.27	111.54
1	Y	551	ASN	N-CA-C	5.68	119.27	111.54
1	i	551	ASN	N-CA-C	5.68	119.27	111.54
1	l	551	ASN	N-CA-C	5.68	119.27	111.54
1	2	551	ASN	N-CA-C	5.68	119.27	111.54
1	J	551	ASN	N-CA-C	5.68	119.27	111.54
1	n	551	ASN	N-CA-C	5.68	119.27	111.54
1	A	551	ASN	N-CA-C	5.68	119.26	111.54
1	F	551	ASN	N-CA-C	5.67	119.25	111.54
1	G	551	ASN	N-CA-C	5.67	119.25	111.54
1	N	551	ASN	N-CA-C	5.67	119.25	111.54
1	P	551	ASN	N-CA-C	5.67	119.25	111.54
1	V	551	ASN	N-CA-C	5.67	119.25	111.54
1	j	551	ASN	N-CA-C	5.67	119.25	111.54
1	k	551	ASN	N-CA-C	5.67	119.25	111.54
1	r	551	ASN	N-CA-C	5.67	119.25	111.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	s	551	ASN	N-CA-C	5.67	119.25	111.54
1	t	551	ASN	N-CA-C	5.67	119.25	111.54
1	I	551	ASN	N-CA-C	5.67	119.25	111.54
1	W	551	ASN	N-CA-C	5.67	119.25	111.54
1	m	551	ASN	N-CA-C	5.67	119.25	111.54
1	0	551	ASN	N-CA-C	5.67	119.25	111.54
2	Nh	69	ILE	CB-CA-C	-5.16	105.71	111.80
2	Ch	69	ILE	CB-CA-C	-5.15	105.73	111.80
2	gh	69	ILE	CB-CA-C	-5.15	105.73	111.80
1	t	435	ASN	CA-C-N	5.13	125.20	119.87
1	t	435	ASN	C-N-CA	5.13	125.20	119.87
2	Bh	69	ILE	CB-CA-C	-5.12	105.75	111.80
2	fh	69	ILE	CB-CA-C	-5.12	105.75	111.80
2	zh	69	ILE	CB-CA-C	-5.12	105.75	111.80
1	K	435	ASN	CA-C-N	5.12	125.20	119.87
1	K	435	ASN	C-N-CA	5.12	125.20	119.87
1	O	435	ASN	CA-C-N	5.12	125.20	119.87
1	O	435	ASN	C-N-CA	5.12	125.20	119.87
1	s	435	ASN	CA-C-N	5.12	125.20	119.87
1	s	435	ASN	C-N-CA	5.12	125.20	119.87
1	u	435	ASN	CA-C-N	5.12	125.20	119.87
1	u	435	ASN	C-N-CA	5.12	125.20	119.87
2	Hh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	Jh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	Vh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	Yh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	ah	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	dh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	lh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	nh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	1h	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	2h	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	4h	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	7h	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	Eh	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	Ph	69	ILE	CB-CA-C	-5.12	105.76	111.80
2	th	69	ILE	CB-CA-C	-5.12	105.76	111.80
1	N	435	ASN	CA-C-N	5.11	125.19	119.87
1	N	435	ASN	C-N-CA	5.11	125.19	119.87
2	Dh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	Lh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	Sh	69	ILE	CB-CA-C	-5.11	105.77	111.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	Uh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	Zh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	ch	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	hh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	ph	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	wh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	3h	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	6h	69	ILE	CB-CA-C	-5.11	105.77	111.80
1	T	435	ASN	CA-C-N	5.11	125.19	119.87
1	T	435	ASN	C-N-CA	5.11	125.19	119.87
2	Xh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	Ah	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	bh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	eh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	xh	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	5h	69	ILE	CB-CA-C	-5.11	105.77	111.80
2	yh	69	ILE	CB-CA-C	-5.11	105.77	111.80
1	D	435	ASN	CA-C-N	5.11	125.18	119.87
1	D	435	ASN	C-N-CA	5.11	125.18	119.87
1	U	435	ASN	CA-C-N	5.11	125.18	119.87
1	U	435	ASN	C-N-CA	5.11	125.18	119.87
1	y	435	ASN	CA-C-N	5.11	125.18	119.87
1	y	435	ASN	C-N-CA	5.11	125.18	119.87
2	Fh	69	ILE	CB-CA-C	-5.11	105.78	111.80
2	Kh	69	ILE	CB-CA-C	-5.11	105.78	111.80
2	jh	69	ILE	CB-CA-C	-5.11	105.78	111.80
2	rh	69	ILE	CB-CA-C	-5.11	105.78	111.80
1	5	435	ASN	CA-C-N	5.10	125.17	119.87
1	5	435	ASN	C-N-CA	5.10	125.17	119.87
2	Th	69	ILE	CB-CA-C	-5.10	105.78	111.80
1	P	435	ASN	CA-C-N	5.10	125.17	119.87
1	P	435	ASN	C-N-CA	5.10	125.17	119.87
1	i	435	ASN	CA-C-N	5.10	125.17	119.87
1	i	435	ASN	C-N-CA	5.10	125.17	119.87
1	C	435	ASN	CA-C-N	5.09	125.17	119.87
1	C	435	ASN	C-N-CA	5.09	125.17	119.87
1	L	435	ASN	CA-C-N	5.09	125.17	119.87
1	L	435	ASN	C-N-CA	5.09	125.17	119.87
1	S	435	ASN	CA-C-N	5.09	125.17	119.87
1	S	435	ASN	C-N-CA	5.09	125.17	119.87
1	g	435	ASN	CA-C-N	5.09	125.17	119.87
1	g	435	ASN	C-N-CA	5.09	125.17	119.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	p	435	ASN	CA-C-N	5.09	125.17	119.87
1	p	435	ASN	C-N-CA	5.09	125.17	119.87
1	w	435	ASN	CA-C-N	5.09	125.17	119.87
1	w	435	ASN	C-N-CA	5.09	125.17	119.87
2	Mh	69	ILE	CB-CA-C	-5.09	105.79	111.80
2	Qh	69	ILE	CB-CA-C	-5.09	105.79	111.80
2	qh	69	ILE	CB-CA-C	-5.09	105.79	111.80
2	uh	69	ILE	CB-CA-C	-5.09	105.79	111.80
2	Oh	69	ILE	CB-CA-C	-5.09	105.79	111.80
2	sh	69	ILE	CB-CA-C	-5.09	105.79	111.80
1	A	435	ASN	CA-C-N	5.09	125.16	119.87
1	A	435	ASN	C-N-CA	5.09	125.16	119.87
2	oh	69	ILE	CB-CA-C	-5.09	105.80	111.80
1	G	435	ASN	CA-C-N	5.09	125.16	119.87
1	G	435	ASN	C-N-CA	5.09	125.16	119.87
1	k	435	ASN	CA-C-N	5.09	125.16	119.87
1	k	435	ASN	C-N-CA	5.09	125.16	119.87
2	ih	69	ILE	CB-CA-C	-5.09	105.80	111.80
1	V	435	ASN	CA-C-N	5.08	125.16	119.87
1	V	435	ASN	C-N-CA	5.08	125.16	119.87
1	z	435	ASN	CA-C-N	5.08	125.16	119.87
1	z	435	ASN	C-N-CA	5.08	125.16	119.87
2	Gh	69	ILE	CB-CA-C	-5.08	105.80	111.80
2	Ih	69	ILE	CB-CA-C	-5.08	105.81	111.80
2	Wh	69	ILE	CB-CA-C	-5.08	105.81	111.80
2	kh	69	ILE	CB-CA-C	-5.08	105.80	111.80
2	mh	69	ILE	CB-CA-C	-5.08	105.81	111.80
2	Oh	69	ILE	CB-CA-C	-5.08	105.81	111.80
2	Rh	69	ILE	CB-CA-C	-5.08	105.81	111.80
2	vh	69	ILE	CB-CA-C	-5.08	105.81	111.80
1	R	435	ASN	CA-C-N	5.07	125.14	119.87
1	R	435	ASN	C-N-CA	5.07	125.14	119.87
1	v	435	ASN	CA-C-N	5.07	125.14	119.87
1	v	435	ASN	C-N-CA	5.07	125.14	119.87
1	x	435	ASN	CA-C-N	5.07	125.14	119.87
1	x	435	ASN	C-N-CA	5.07	125.14	119.87
1	B	435	ASN	CA-C-N	5.07	125.14	119.87
1	B	435	ASN	C-N-CA	5.07	125.14	119.87
1	H	435	ASN	CA-C-N	5.07	125.14	119.87
1	H	435	ASN	C-N-CA	5.07	125.14	119.87
1	I	435	ASN	CA-C-N	5.07	125.14	119.87
1	I	435	ASN	C-N-CA	5.07	125.14	119.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	M	435	ASN	CA-C-N	5.07	125.14	119.87
1	M	435	ASN	C-N-CA	5.07	125.14	119.87
1	Q	435	ASN	CA-C-N	5.07	125.14	119.87
1	Q	435	ASN	C-N-CA	5.07	125.14	119.87
1	W	435	ASN	CA-C-N	5.07	125.14	119.87
1	W	435	ASN	C-N-CA	5.07	125.14	119.87
1	Y	435	ASN	CA-C-N	5.07	125.14	119.87
1	Y	435	ASN	C-N-CA	5.07	125.14	119.87
1	a	435	ASN	CA-C-N	5.07	125.14	119.87
1	a	435	ASN	C-N-CA	5.07	125.14	119.87
1	d	435	ASN	CA-C-N	5.07	125.14	119.87
1	d	435	ASN	C-N-CA	5.07	125.14	119.87
1	f	435	ASN	CA-C-N	5.07	125.14	119.87
1	f	435	ASN	C-N-CA	5.07	125.14	119.87
1	h	435	ASN	CA-C-N	5.07	125.14	119.87
1	h	435	ASN	C-N-CA	5.07	125.14	119.87
1	l	435	ASN	CA-C-N	5.07	125.14	119.87
1	l	435	ASN	C-N-CA	5.07	125.14	119.87
1	m	435	ASN	CA-C-N	5.07	125.14	119.87
1	m	435	ASN	C-N-CA	5.07	125.14	119.87
1	q	435	ASN	CA-C-N	5.07	125.14	119.87
1	q	435	ASN	C-N-CA	5.07	125.14	119.87
1	2	435	ASN	CA-C-N	5.07	125.14	119.87
1	2	435	ASN	C-N-CA	5.07	125.14	119.87
1	4	435	ASN	CA-C-N	5.07	125.14	119.87
1	4	435	ASN	C-N-CA	5.07	125.14	119.87
1	7	435	ASN	CA-C-N	5.07	125.14	119.87
1	7	435	ASN	C-N-CA	5.07	125.14	119.87
1	0	435	ASN	CA-C-N	5.06	125.14	119.87
1	0	435	ASN	C-N-CA	5.06	125.14	119.87
1	E	435	ASN	CA-C-N	5.06	125.13	119.87
1	E	435	ASN	C-N-CA	5.06	125.13	119.87
1	Z	435	ASN	CA-C-N	5.06	125.13	119.87
1	Z	435	ASN	C-N-CA	5.06	125.13	119.87
1	c	435	ASN	CA-C-N	5.06	125.13	119.87
1	c	435	ASN	C-N-CA	5.06	125.13	119.87
1	6	435	ASN	CA-C-N	5.06	125.13	119.87
1	6	435	ASN	C-N-CA	5.06	125.13	119.87
2	ih	30	LEU	N-CA-C	5.06	117.14	108.90
2	Ih	30	LEU	N-CA-C	5.06	117.14	108.90
2	Jh	30	LEU	N-CA-C	5.05	117.14	108.90
2	Xh	30	LEU	N-CA-C	5.05	117.14	108.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	nh	30	LEU	N-CA-C	5.05	117.14	108.90
2	lh	30	LEU	N-CA-C	5.05	117.14	108.90
1	b	435	ASN	CA-C-N	5.05	125.12	119.87
1	b	435	ASN	C-N-CA	5.05	125.12	119.87
1	e	435	ASN	CA-C-N	5.05	125.12	119.87
1	e	435	ASN	C-N-CA	5.05	125.12	119.87
2	Ch	30	LEU	N-CA-C	5.05	117.13	108.90
2	Eh	30	LEU	N-CA-C	5.05	117.13	108.90
2	Fh	30	LEU	N-CA-C	5.05	117.13	108.90
2	Nh	30	LEU	N-CA-C	5.05	117.13	108.90
2	Ph	30	LEU	N-CA-C	5.05	117.13	108.90
2	gh	30	LEU	N-CA-C	5.05	117.13	108.90
2	jh	30	LEU	N-CA-C	5.05	117.13	108.90
2	rh	30	LEU	N-CA-C	5.05	117.13	108.90
2	th	30	LEU	N-CA-C	5.05	117.13	108.90
1	X	435	ASN	CA-C-N	5.04	125.11	119.87
1	X	435	ASN	C-N-CA	5.04	125.11	119.87
1	o	435	ASN	CA-C-N	5.04	125.11	119.87
1	o	435	ASN	C-N-CA	5.04	125.11	119.87
2	yh	30	LEU	N-CA-C	5.04	117.12	108.90
2	Gh	30	LEU	N-CA-C	5.04	117.12	108.90
2	Oh	30	LEU	N-CA-C	5.04	117.12	108.90
2	kh	30	LEU	N-CA-C	5.04	117.12	108.90
2	Hh	30	LEU	N-CA-C	5.04	117.11	108.90
2	Bh	30	LEU	N-CA-C	5.04	117.11	108.90
2	Vh	30	LEU	N-CA-C	5.04	117.11	108.90
2	ah	30	LEU	N-CA-C	5.04	117.11	108.90
2	dh	30	LEU	N-CA-C	5.04	117.11	108.90
2	fh	30	LEU	N-CA-C	5.04	117.11	108.90
2	zh	30	LEU	N-CA-C	5.04	117.11	108.90
2	4h	30	LEU	N-CA-C	5.04	117.11	108.90
2	7h	30	LEU	N-CA-C	5.04	117.11	108.90
2	Ah	30	LEU	N-CA-C	5.04	117.11	108.90
1	3	435	ASN	CA-C-N	5.04	125.11	119.87
1	3	435	ASN	C-N-CA	5.04	125.11	119.87
2	Kh	30	LEU	N-CA-C	5.04	117.11	108.90
2	Rh	30	LEU	N-CA-C	5.04	117.11	108.90
2	Th	30	LEU	N-CA-C	5.04	117.11	108.90
2	Yh	30	LEU	N-CA-C	5.04	117.11	108.90
2	bh	30	LEU	N-CA-C	5.04	117.11	108.90
2	eh	30	LEU	N-CA-C	5.04	117.11	108.90
2	lh	30	LEU	N-CA-C	5.04	117.11	108.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
2	vh	30	LEU	N-CA-C	5.04	117.11	108.90
2	2h	30	LEU	N-CA-C	5.04	117.11	108.90
2	5h	30	LEU	N-CA-C	5.04	117.11	108.90
1	1	435	ASN	CA-C-N	5.03	125.10	119.87
1	1	435	ASN	C-N-CA	5.03	125.10	119.87
1	F	435	ASN	CA-C-N	5.03	125.10	119.87
1	F	435	ASN	C-N-CA	5.03	125.10	119.87
1	j	435	ASN	CA-C-N	5.03	125.10	119.87
1	j	435	ASN	C-N-CA	5.03	125.10	119.87
1	r	435	ASN	CA-C-N	5.03	125.10	119.87
1	r	435	ASN	C-N-CA	5.03	125.10	119.87
2	Mh	30	LEU	N-CA-C	5.03	117.10	108.90
2	Qh	30	LEU	N-CA-C	5.03	117.10	108.90
2	qh	30	LEU	N-CA-C	5.03	117.10	108.90
2	uh	30	LEU	N-CA-C	5.03	117.10	108.90
1	J	435	ASN	CA-C-N	5.03	125.10	119.87
1	J	435	ASN	C-N-CA	5.03	125.10	119.87
1	n	435	ASN	CA-C-N	5.03	125.10	119.87
1	n	435	ASN	C-N-CA	5.03	125.10	119.87
2	Dh	30	LEU	N-CA-C	5.02	117.08	108.90
2	Uh	30	LEU	N-CA-C	5.02	117.08	108.90
2	Zh	30	LEU	N-CA-C	5.02	117.08	108.90
2	hh	30	LEU	N-CA-C	5.02	117.08	108.90
2	3h	30	LEU	N-CA-C	5.02	117.08	108.90
2	Wh	30	LEU	N-CA-C	5.02	117.08	108.90
2	mh	30	LEU	N-CA-C	5.02	117.08	108.90
2	oh	30	LEU	N-CA-C	5.02	117.08	108.90
2	sh	30	LEU	N-CA-C	5.02	117.08	108.90
2	xh	30	LEU	N-CA-C	5.02	117.08	108.90
2	0h	30	LEU	N-CA-C	5.02	117.08	108.90
2	Lh	30	LEU	N-CA-C	5.01	117.07	108.90
2	Sh	30	LEU	N-CA-C	5.01	117.07	108.90
2	ch	30	LEU	N-CA-C	5.01	117.07	108.90
2	ph	30	LEU	N-CA-C	5.01	117.07	108.90
2	wh	30	LEU	N-CA-C	5.01	117.07	108.90
2	6h	30	LEU	N-CA-C	5.01	117.07	108.90

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	0	4148	0	3901	58	0
1	1	4148	0	3901	56	0
1	2	4148	0	3901	56	0
1	3	4148	0	3901	56	0
1	4	4148	0	3901	56	0
1	5	4148	0	3901	57	0
1	6	4148	0	3901	56	0
1	7	4148	0	3901	55	0
1	A	4148	0	3901	58	0
1	B	4148	0	3901	56	0
1	C	4148	0	3901	57	0
1	D	4148	0	3901	56	0
1	E	4148	0	3901	55	0
1	F	4148	0	3901	56	0
1	G	4148	0	3901	56	0
1	H	4148	0	3901	57	0
1	I	4148	0	3901	56	0
1	J	4148	0	3901	56	0
1	K	4148	0	3901	56	0
1	L	4148	0	3901	55	0
1	M	4148	0	3901	57	0
1	N	4148	0	3901	56	0
1	O	4148	0	3901	56	0
1	P	4148	0	3901	58	0
1	Q	4148	0	3901	55	0
1	R	4148	0	3901	55	0
1	S	4148	0	3901	55	0
1	T	4148	0	3901	55	0
1	U	4148	0	3901	55	0
1	V	4148	0	3901	56	0
1	W	4148	0	3901	56	0
1	X	4148	0	3901	55	0
1	Y	4148	0	3901	56	0
1	Z	4148	0	3901	54	0
1	a	4148	0	3901	55	0
1	b	4148	0	3901	56	0
1	c	4148	0	3901	57	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	d	4148	0	3901	55	0
1	e	4148	0	3901	57	0
1	f	4148	0	3901	55	0
1	g	4148	0	3901	55	0
1	h	4148	0	3901	56	0
1	i	4148	0	3901	54	0
1	j	4148	0	3901	55	0
1	k	4148	0	3901	55	0
1	l	4148	0	3901	56	0
1	m	4148	0	3901	57	0
1	n	4148	0	3901	57	0
1	o	4148	0	3901	55	0
1	p	4148	0	3901	54	0
1	q	4148	0	3901	54	0
1	r	4148	0	3901	54	0
1	s	4148	0	3901	55	0
1	t	4148	0	3901	54	0
1	u	4148	0	3901	57	0
1	v	4148	0	3901	56	0
1	w	4148	0	3901	56	0
1	x	4148	0	3901	57	0
1	y	4148	0	3901	55	0
1	z	4148	0	3901	56	0
2	0h	1028	0	988	56	0
2	1h	1028	0	988	57	0
2	2h	1028	0	988	56	0
2	3h	1028	0	988	58	0
2	4h	1028	0	988	59	0
2	5h	1028	0	988	58	0
2	6h	1028	0	988	55	0
2	7h	1028	0	988	58	0
2	Ah	1028	0	988	58	0
2	Bh	1028	0	988	58	0
2	Ch	1028	0	988	58	0
2	Dh	1028	0	988	56	0
2	Eh	1028	0	988	55	0
2	Fh	1028	0	988	55	0
2	Gh	1028	0	988	58	0
2	Hh	1028	0	988	58	0
2	Ih	1028	0	988	57	0
2	Jh	1028	0	988	56	0
2	Kh	1028	0	988	57	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	Lh	1028	0	988	57	0
2	Mh	1028	0	988	56	0
2	Nh	1028	0	988	57	0
2	Oh	1028	0	988	59	0
2	Ph	1028	0	988	55	0
2	Qh	1028	0	988	56	0
2	Rh	1028	0	988	57	0
2	Sh	1028	0	988	57	0
2	Th	1028	0	988	56	0
2	Uh	1028	0	988	57	0
2	Vh	1028	0	988	58	0
2	Wh	1028	0	988	57	0
2	Xh	1028	0	988	57	0
2	Yh	1028	0	988	58	0
2	Zh	1028	0	988	55	0
2	ah	1028	0	988	59	0
2	bh	1028	0	988	57	0
2	ch	1028	0	988	58	0
2	dh	1028	0	988	59	0
2	eh	1028	0	988	58	0
2	fh	1028	0	988	58	0
2	gh	1028	0	988	57	0
2	hh	1028	0	988	56	0
2	ih	1028	0	988	57	0
2	jh	1028	0	988	58	0
2	kh	1028	0	988	57	0
2	lh	1028	0	988	56	0
2	mh	1028	0	988	56	0
2	nh	1028	0	988	57	0
2	oh	1028	0	988	57	0
2	ph	1028	0	988	57	0
2	qh	1028	0	988	56	0
2	rh	1028	0	988	58	0
2	sh	1028	0	988	58	0
2	th	1028	0	988	57	0
2	uh	1028	0	988	56	0
2	vh	1028	0	988	57	0
2	wh	1028	0	988	57	0
2	xh	1028	0	988	57	0
2	yh	1028	0	988	56	0
2	zh	1028	0	988	57	0
3	Ol	799	0	776	46	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	1l	799	0	776	46	0
3	2l	799	0	776	43	0
3	3l	799	0	776	46	0
3	4l	799	0	776	47	0
3	5l	799	0	776	44	0
3	6l	799	0	776	47	0
3	7l	799	0	776	46	0
3	Al	799	0	776	46	0
3	Bl	799	0	776	46	0
3	Cl	799	0	776	46	0
3	Dl	799	0	776	47	0
3	El	799	0	776	47	0
3	Fl	799	0	776	45	0
3	Gl	799	0	776	46	0
3	Hl	799	0	776	46	0
3	Il	799	0	776	45	0
3	Jl	799	0	776	47	0
3	Kl	799	0	776	45	0
3	Ll	799	0	776	47	0
3	Ml	799	0	776	47	0
3	Nl	799	0	776	45	0
3	Ol	799	0	776	46	0
3	Pl	799	0	776	46	0
3	Ql	799	0	776	46	0
3	Rl	799	0	776	43	0
3	Sl	799	0	776	45	0
3	Tl	799	0	776	47	0
3	Ul	799	0	776	46	0
3	Vl	799	0	776	46	0
3	Wl	799	0	776	45	0
3	Xl	799	0	776	46	0
3	Yl	799	0	776	46	0
3	Zl	799	0	776	47	0
3	al	799	0	776	46	0
3	bl	799	0	776	46	0
3	cl	799	0	776	46	0
3	dl	799	0	776	47	0
3	el	799	0	776	44	0
3	fl	799	0	776	45	0
3	gl	799	0	776	47	0
3	hl	799	0	776	46	0
3	il	799	0	776	46	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	jl	799	0	776	45	0
3	kl	799	0	776	46	0
3	ll	799	0	776	43	0
3	ml	799	0	776	45	0
3	nl	799	0	776	46	0
3	ol	799	0	776	46	0
3	pl	799	0	776	45	0
3	ql	799	0	776	44	0
3	rl	799	0	776	46	0
3	sl	799	0	776	46	0
3	tl	799	0	776	47	0
3	ul	799	0	776	45	0
3	vl	799	0	776	46	0
3	wl	799	0	776	45	0
3	xl	799	0	776	46	0
3	yl	799	0	776	47	0
3	zl	799	0	776	46	0
All	All	358500	0	339900	8788	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 13.

All (8788) 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)
2:th:37:LEU:HD21	2:th:149:VAL:HG11	1.28	1.16
2:Sh:37:LEU:HD21	2:Sh:149:VAL:HG11	1.28	1.16
2:ih:37:LEU:HD21	2:ih:149:VAL:HG11	1.28	1.16
2:Lh:37:LEU:HD21	2:Lh:149:VAL:HG11	1.28	1.15
2:Ih:37:LEU:HD21	2:Ih:149:VAL:HG11	1.28	1.15
2:gh:37:LEU:HD21	2:gh:149:VAL:HG11	1.28	1.15
2:Th:37:LEU:HD21	2:Th:149:VAL:HG11	1.28	1.15
2:Wh:37:LEU:HD21	2:Wh:149:VAL:HG11	1.28	1.15
2:sh:37:LEU:HD21	2:sh:149:VAL:HG11	1.28	1.15
2:kh:37:LEU:HD21	2:kh:149:VAL:HG11	1.28	1.14
2:Ah:37:LEU:HD21	2:Ah:149:VAL:HG11	1.28	1.14
2:bh:37:LEU:HD21	2:bh:149:VAL:HG11	1.28	1.14
2:7h:37:LEU:HD21	2:7h:149:VAL:HG11	1.28	1.14
2:ah:37:LEU:HD21	2:ah:149:VAL:HG11	1.28	1.14
2:oh:37:LEU:HD21	2:oh:149:VAL:HG11	1.28	1.14
2:4h:37:LEU:HD21	2:4h:149:VAL:HG11	1.28	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Kh:37:LEU:HD21	2:Kh:149:VAL:HG11	1.28	1.13
3:Kl:31:SER:HA	3:Kl:128:THR:O	1.48	1.13
3:cl:31:SER:HA	3:cl:128:THR:O	1.48	1.13
2:Rh:37:LEU:HD21	2:Rh:149:VAL:HG11	1.28	1.13
2:vh:37:LEU:HD21	2:vh:149:VAL:HG11	1.28	1.13
3:Rl:31:SER:HA	3:Rl:128:THR:O	1.48	1.13
3:sl:31:SER:HA	3:sl:128:THR:O	1.48	1.13
3:3l:31:SER:HA	3:3l:128:THR:O	1.48	1.13
2:Eh:37:LEU:HD21	2:Eh:149:VAL:HG11	1.28	1.13
2:dh:37:LEU:HD21	2:dh:149:VAL:HG11	1.28	1.13
2:mh:37:LEU:HD21	2:mh:149:VAL:HG11	1.28	1.13
2:ph:37:LEU:HD21	2:ph:149:VAL:HG11	1.28	1.13
3:Ul:31:SER:HA	3:Ul:128:THR:O	1.48	1.13
3:hl:31:SER:HA	3:hl:128:THR:O	1.48	1.13
3:kl:31:SER:HA	3:kl:128:THR:O	1.48	1.13
3:ml:31:SER:HA	3:ml:128:THR:O	1.48	1.13
2:Ph:37:LEU:HD21	2:Ph:149:VAL:HG11	1.28	1.12
2:qh:37:LEU:HD21	2:qh:149:VAL:HG11	1.28	1.12
3:Sl:31:SER:HA	3:Sl:128:THR:O	1.48	1.12
3:dl:31:SER:HA	3:dl:128:THR:O	1.48	1.12
3:Ol:31:SER:HA	3:Ol:128:THR:O	1.48	1.12
2:uh:37:LEU:HD21	2:uh:149:VAL:HG11	1.28	1.12
2:wh:37:LEU:HD21	2:wh:149:VAL:HG11	1.28	1.12
2:Oh:37:LEU:HD21	2:Oh:149:VAL:HG11	1.28	1.12
3:nl:31:SER:HA	3:nl:128:THR:O	1.48	1.12
3:ll:31:SER:HA	3:ll:128:THR:O	1.48	1.12
3:4l:31:SER:HA	3:4l:128:THR:O	1.48	1.12
2:Bh:37:LEU:HD21	2:Bh:149:VAL:HG11	1.28	1.12
2:lh:37:LEU:HD21	2:lh:149:VAL:HG11	1.28	1.12
3:Al:31:SER:HA	3:Al:128:THR:O	1.48	1.12
3:Ll:31:SER:HA	3:Ll:128:THR:O	1.48	1.12
3:Ol:31:SER:HA	3:Ol:128:THR:O	1.48	1.12
3:ol:31:SER:HA	3:ol:128:THR:O	1.48	1.12
3:7l:31:SER:HA	3:7l:128:THR:O	1.48	1.12
2:2h:37:LEU:HD21	2:2h:149:VAL:HG11	1.28	1.12
3:Gl:31:SER:HA	3:Gl:128:THR:O	1.48	1.12
3:Zl:31:SER:HA	3:Zl:128:THR:O	1.48	1.12
3:al:31:SER:HA	3:al:128:THR:O	1.48	1.12
3:vl:31:SER:HA	3:vl:128:THR:O	1.48	1.12
3:yl:31:SER:HA	3:yl:128:THR:O	1.48	1.12
3:6l:31:SER:HA	3:6l:128:THR:O	1.48	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:zh:37:LEU:HD21	2:zh:149:VAL:HG11	1.28	1.11
3:bl:31:SER:HA	3:bl:128:THR:O	1.48	1.11
3:2l:31:SER:HA	3:2l:128:THR:O	1.48	1.11
2:Yh:37:LEU:HD21	2:Yh:149:VAL:HG11	1.28	1.11
3:Dl:31:SER:HA	3:Dl:128:THR:O	1.48	1.11
3:Il:31:SER:HA	3:Il:128:THR:O	1.48	1.11
3:ll:31:SER:HA	3:ll:128:THR:O	1.48	1.11
2:Hh:37:LEU:HD21	2:Hh:149:VAL:HG11	1.28	1.11
3:Cl:31:SER:HA	3:Cl:128:THR:O	1.48	1.11
3:El:31:SER:HA	3:El:128:THR:O	1.48	1.11
3:ml:31:SER:HA	3:ml:128:THR:O	1.48	1.11
3:Nl:31:SER:HA	3:Nl:128:THR:O	1.48	1.11
3:Pl:31:SER:HA	3:Pl:128:THR:O	1.48	1.11
3:Wl:31:SER:HA	3:Wl:128:THR:O	1.48	1.11
3:Xl:31:SER:HA	3:Xl:128:THR:O	1.48	1.11
3:Jl:31:SER:HA	3:Jl:128:THR:O	1.48	1.11
3:Ql:31:SER:HA	3:Ql:128:THR:O	1.48	1.11
3:xl:31:SER:HA	3:xl:128:THR:O	1.48	1.11
3:Fl:31:SER:HA	3:Fl:128:THR:O	1.48	1.11
3:Yl:31:SER:HA	3:Yl:128:THR:O	1.48	1.11
3:ql:31:SER:HA	3:ql:128:THR:O	1.48	1.11
3:Hl:31:SER:HA	3:Hl:128:THR:O	1.48	1.10
3:Vl:31:SER:HA	3:Vl:128:THR:O	1.48	1.10
3:fl:31:SER:HA	3:fl:128:THR:O	1.48	1.10
3:ul:31:SER:HA	3:ul:128:THR:O	1.48	1.10
3:5l:31:SER:HA	3:5l:128:THR:O	1.48	1.10
3:el:31:SER:HA	3:el:128:THR:O	1.48	1.10
3:wl:31:SER:HA	3:wl:128:THR:O	1.48	1.10
2:Zh:37:LEU:HD21	2:Zh:149:VAL:HG11	1.28	1.10
2:ch:37:LEU:HD21	2:ch:149:VAL:HG11	1.28	1.10
3:il:31:SER:HA	3:il:128:THR:O	1.48	1.10
3:pl:31:SER:HA	3:pl:128:THR:O	1.48	1.10
2:3h:37:LEU:HD21	2:3h:149:VAL:HG11	1.28	1.10
2:Xh:37:LEU:HD21	2:Xh:149:VAL:HG11	1.28	1.10
2:6h:37:LEU:HD21	2:6h:149:VAL:HG11	1.28	1.10
3:Tl:31:SER:HA	3:Tl:128:THR:O	1.48	1.10
3:tl:31:SER:HA	3:tl:128:THR:O	1.48	1.10
2:Dh:37:LEU:HD21	2:Dh:149:VAL:HG11	1.28	1.09
2:Jh:37:LEU:HD21	2:Jh:149:VAL:HG11	1.28	1.09
2:Nh:37:LEU:HD21	2:Nh:149:VAL:HG11	1.28	1.09
3:gl:31:SER:HA	3:gl:128:THR:O	1.48	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:rl:31:SER:HA	3:rl:128:THR:O	1.48	1.09
2:xh:37:LEU:HD21	2:xh:149:VAL:HG11	1.28	1.09
2:Ch:37:LEU:HD21	2:Ch:149:VAL:HG11	1.28	1.09
2:Fh:37:LEU:HD21	2:Fh:149:VAL:HG11	1.28	1.09
3:jl:31:SER:HA	3:jl:128:THR:O	1.48	1.09
2:yh:37:LEU:HD21	2:yh:149:VAL:HG11	1.28	1.09
3:zl:31:SER:HA	3:zl:128:THR:O	1.48	1.09
2:Qh:37:LEU:HD21	2:Qh:149:VAL:HG11	1.28	1.08
3:Bl:31:SER:HA	3:Bl:128:THR:O	1.48	1.08
2:Vh:37:LEU:HD21	2:Vh:149:VAL:HG11	1.28	1.08
2:1h:37:LEU:HD21	2:1h:149:VAL:HG11	1.28	1.08
2:Mh:37:LEU:HD21	2:Mh:149:VAL:HG11	1.28	1.08
2:eh:37:LEU:HD21	2:eh:149:VAL:HG11	1.28	1.08
2:jh:37:LEU:HD21	2:jh:149:VAL:HG11	1.28	1.08
2:nh:37:LEU:HD21	2:nh:149:VAL:HG11	1.28	1.08
2:rh:37:LEU:HD21	2:rh:149:VAL:HG11	1.28	1.08
2:5h:37:LEU:HD21	2:5h:149:VAL:HG11	1.28	1.08
2:fh:37:LEU:HD21	2:fh:149:VAL:HG11	1.28	1.08
2:Oh:37:LEU:HD21	2:Oh:149:VAL:HG11	1.28	1.07
2:Gh:37:LEU:HD21	2:Gh:149:VAL:HG11	1.28	1.07
2:hh:37:LEU:HD21	2:hh:149:VAL:HG11	1.28	1.07
2:Uh:37:LEU:HD21	2:Uh:149:VAL:HG11	1.28	1.07
3:Ml:53:ASN:O	3:Ml:73:GLY:HA3	1.57	1.05
3:il:53:ASN:O	3:il:73:GLY:HA3	1.57	1.05
3:tl:53:ASN:O	3:tl:73:GLY:HA3	1.57	1.05
3:Ll:53:ASN:O	3:Ll:73:GLY:HA3	1.57	1.05
3:Ql:53:ASN:O	3:Ql:73:GLY:HA3	1.57	1.05
3:Sl:53:ASN:O	3:Sl:73:GLY:HA3	1.57	1.05
3:el:53:ASN:O	3:el:73:GLY:HA3	1.57	1.05
3:Il:53:ASN:O	3:Il:73:GLY:HA3	1.57	1.05
3:Pl:53:ASN:O	3:Pl:73:GLY:HA3	1.57	1.05
3:Wl:53:ASN:O	3:Wl:73:GLY:HA3	1.57	1.05
3:5l:53:ASN:O	3:5l:73:GLY:HA3	1.57	1.05
2:Kh:106:VAL:HG23	2:Kh:110:ASP:OD2	1.57	1.05
2:Rh:106:VAL:HG23	2:Rh:110:ASP:OD2	1.57	1.05
3:El:53:ASN:O	3:El:73:GLY:HA3	1.57	1.05
3:Jl:53:ASN:O	3:Jl:73:GLY:HA3	1.57	1.05
3:Xl:53:ASN:O	3:Xl:73:GLY:HA3	1.57	1.05
3:Zl:53:ASN:O	3:Zl:73:GLY:HA3	1.57	1.05
3:ml:53:ASN:O	3:ml:73:GLY:HA3	1.57	1.05
2:kh:106:VAL:HG23	2:kh:110:ASP:OD2	1.57	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:lh:106:VAL:HG23	2:lh:110:ASP:OD2	1.57	1.04
2:sh:106:VAL:HG23	2:sh:110:ASP:OD2	1.57	1.04
2:2h:106:VAL:HG23	2:2h:110:ASP:OD2	1.57	1.04
3:Gl:53:ASN:O	3:Gl:73:GLY:HA3	1.57	1.04
3:jl:53:ASN:O	3:jl:73:GLY:HA3	1.57	1.04
3:wl:53:ASN:O	3:wl:73:GLY:HA3	1.57	1.04
3:Ol:53:ASN:O	3:Ol:73:GLY:HA3	1.57	1.04
3:6l:53:ASN:O	3:6l:73:GLY:HA3	1.57	1.04
2:Xh:106:VAL:HG23	2:Xh:110:ASP:OD2	1.57	1.04
2:Zh:106:VAL:HG23	2:Zh:110:ASP:OD2	1.57	1.04
3:Ol:53:ASN:O	3:Ol:73:GLY:HA3	1.57	1.04
3:pl:53:ASN:O	3:pl:73:GLY:HA3	1.57	1.04
3:rl:53:ASN:O	3:rl:73:GLY:HA3	1.57	1.04
3:3l:53:ASN:O	3:3l:73:GLY:HA3	1.57	1.04
3:4l:53:ASN:O	3:4l:73:GLY:HA3	1.57	1.04
2:Jh:106:VAL:HG23	2:Jh:110:ASP:OD2	1.57	1.04
2:Qh:106:VAL:HG23	2:Qh:110:ASP:OD2	1.57	1.04
2:Vh:106:VAL:HG23	2:Vh:110:ASP:OD2	1.57	1.04
2:fh:106:VAL:HG23	2:fh:110:ASP:OD2	1.57	1.04
2:mh:106:VAL:HG23	2:mh:110:ASP:OD2	1.57	1.04
2:6h:106:VAL:HG23	2:6h:110:ASP:OD2	1.57	1.04
3:bl:53:ASN:O	3:bl:73:GLY:HA3	1.57	1.04
3:cl:53:ASN:O	3:cl:73:GLY:HA3	1.57	1.04
3:dl:53:ASN:O	3:dl:73:GLY:HA3	1.57	1.04
2:Bh:106:VAL:HG23	2:Bh:110:ASP:OD2	1.57	1.04
2:Mh:106:VAL:HG23	2:Mh:110:ASP:OD2	1.57	1.04
2:Nh:106:VAL:HG23	2:Nh:110:ASP:OD2	1.57	1.04
3:gl:53:ASN:O	3:gl:73:GLY:HA3	1.57	1.04
2:zh:106:VAL:HG23	2:zh:110:ASP:OD2	1.57	1.04
2:0h:106:VAL:HG23	2:0h:110:ASP:OD2	1.57	1.04
3:Al:53:ASN:O	3:Al:73:GLY:HA3	1.57	1.04
3:Tl:53:ASN:O	3:Tl:73:GLY:HA3	1.57	1.04
3:Ul:53:ASN:O	3:Ul:73:GLY:HA3	1.57	1.04
3:yl:53:ASN:O	3:yl:73:GLY:HA3	1.57	1.04
2:Fh:106:VAL:HG23	2:Fh:110:ASP:OD2	1.57	1.03
2:xh:106:VAL:HG23	2:xh:110:ASP:OD2	1.57	1.03
3:Dl:53:ASN:O	3:Dl:73:GLY:HA3	1.57	1.03
3:Hl:53:ASN:O	3:Hl:73:GLY:HA3	1.57	1.03
3:hl:53:ASN:O	3:hl:73:GLY:HA3	1.57	1.03
3:ul:53:ASN:O	3:ul:73:GLY:HA3	1.57	1.03
3:zl:53:ASN:O	3:zl:73:GLY:HA3	1.57	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Ch:106:VAL:HG23	2:Ch:110:ASP:OD2	1.57	1.03
3:Bl:53:ASN:O	3:Bl:73:GLY:HA3	1.57	1.03
3:al:53:ASN:O	3:al:73:GLY:HA3	1.57	1.03
2:Dh:106:VAL:HG23	2:Dh:110:ASP:OD2	1.57	1.03
2:Lh:106:VAL:HG23	2:Lh:110:ASP:OD2	1.57	1.03
2:Oh:106:VAL:HG23	2:Oh:110:ASP:OD2	1.57	1.03
2:Th:106:VAL:HG23	2:Th:110:ASP:OD2	1.57	1.03
2:hh:106:VAL:HG23	2:hh:110:ASP:OD2	1.57	1.03
2:7h:106:VAL:HG23	2:7h:110:ASP:OD2	1.57	1.03
3:Vl:53:ASN:O	3:Vl:73:GLY:HA3	1.57	1.03
3:Yl:53:ASN:O	3:Yl:73:GLY:HA3	1.57	1.03
3:fl:53:ASN:O	3:fl:73:GLY:HA3	1.57	1.03
3:ol:53:ASN:O	3:ol:73:GLY:HA3	1.57	1.03
3:ql:53:ASN:O	3:ql:73:GLY:HA3	1.57	1.03
3:7l:53:ASN:O	3:7l:73:GLY:HA3	1.57	1.03
2:Sh:106:VAL:HG23	2:Sh:110:ASP:OD2	1.57	1.03
2:gh:106:VAL:HG23	2:gh:110:ASP:OD2	1.57	1.03
2:yh:106:VAL:HG23	2:yh:110:ASP:OD2	1.57	1.03
3:Cl:53:ASN:O	3:Cl:73:GLY:HA3	1.57	1.03
3:2l:53:ASN:O	3:2l:73:GLY:HA3	1.57	1.03
2:Eh:106:VAL:HG23	2:Eh:110:ASP:OD2	1.57	1.03
2:Gh:106:VAL:HG23	2:Gh:110:ASP:OD2	1.57	1.03
2:Uh:106:VAL:HG23	2:Uh:110:ASP:OD2	1.57	1.03
2:ah:106:VAL:HG23	2:ah:110:ASP:OD2	1.57	1.03
2:ch:106:VAL:HG23	2:ch:110:ASP:OD2	1.57	1.03
2:ih:106:VAL:HG23	2:ih:110:ASP:OD2	1.57	1.03
2:jh:106:VAL:HG23	2:jh:110:ASP:OD2	1.57	1.03
2:uh:106:VAL:HG23	2:uh:110:ASP:OD2	1.57	1.03
3:Kl:53:ASN:O	3:Kl:73:GLY:HA3	1.57	1.03
3:Rl:53:ASN:O	3:Rl:73:GLY:HA3	1.57	1.03
3:ll:53:ASN:O	3:ll:73:GLY:HA3	1.57	1.03
3:vl:53:ASN:O	3:vl:73:GLY:HA3	1.57	1.03
3:1l:53:ASN:O	3:1l:73:GLY:HA3	1.57	1.03
2:Yh:106:VAL:HG23	2:Yh:110:ASP:OD2	1.57	1.02
2:oh:106:VAL:HG23	2:oh:110:ASP:OD2	1.57	1.02
2:qh:106:VAL:HG23	2:qh:110:ASP:OD2	1.57	1.02
2:rh:106:VAL:HG23	2:rh:110:ASP:OD2	1.57	1.02
2:vh:106:VAL:HG23	2:vh:110:ASP:OD2	1.57	1.02
2:wh:106:VAL:HG23	2:wh:110:ASP:OD2	1.57	1.02
3:nl:53:ASN:O	3:nl:73:GLY:HA3	1.57	1.02
3:xl:53:ASN:O	3:xl:73:GLY:HA3	1.57	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Hh:106:VAL:HG23	2:Hh:110:ASP:OD2	1.57	1.02
2:Ph:106:VAL:HG23	2:Ph:110:ASP:OD2	1.57	1.02
2:Wh:106:VAL:HG23	2:Wh:110:ASP:OD2	1.57	1.02
2:bh:106:VAL:HG23	2:bh:110:ASP:OD2	1.57	1.02
2:th:106:VAL:HG23	2:th:110:ASP:OD2	1.57	1.02
2:3h:106:VAL:HG23	2:3h:110:ASP:OD2	1.57	1.02
2:Ah:106:VAL:HG23	2:Ah:110:ASP:OD2	1.57	1.02
2:dh:106:VAL:HG23	2:dh:110:ASP:OD2	1.57	1.02
2:ph:106:VAL:HG23	2:ph:110:ASP:OD2	1.57	1.02
2:1h:106:VAL:HG23	2:1h:110:ASP:OD2	1.57	1.02
2:Ih:106:VAL:HG23	2:Ih:110:ASP:OD2	1.57	1.02
2:nh:106:VAL:HG23	2:nh:110:ASP:OD2	1.57	1.02
2:4h:106:VAL:HG23	2:4h:110:ASP:OD2	1.57	1.02
3:Fl:53:ASN:O	3:Fl:73:GLY:HA3	1.57	1.02
3:kl:53:ASN:O	3:kl:73:GLY:HA3	1.57	1.02
3:sl:53:ASN:O	3:sl:73:GLY:HA3	1.57	1.02
3:Nl:53:ASN:O	3:Nl:73:GLY:HA3	1.57	1.02
2:eh:106:VAL:HG23	2:eh:110:ASP:OD2	1.57	1.01
2:5h:106:VAL:HG23	2:5h:110:ASP:OD2	1.57	1.01
1:A:497:ASN:ND2	1:C:456:THR:O	1.98	0.97
1:V:497:ASN:ND2	1:3:456:THR:O	1.99	0.96
1:Y:497:ASN:ND2	1:m:456:THR:O	2.00	0.95
1:H:497:ASN:ND2	1:0:456:THR:O	2.00	0.95
1:W:456:THR:O	1:l:497:ASN:ND2	2.00	0.95
1:e:456:THR:O	1:v:497:ASN:ND2	2.00	0.95
1:E:497:ASN:ND2	1:V:456:THR:O	2.00	0.95
1:I:456:THR:O	1:2:497:ASN:ND2	2.00	0.95
1:N:456:THR:O	1:h:497:ASN:ND2	2.00	0.95
1:b:497:ASN:ND2	1:x:456:THR:O	2.00	0.95
1:o:497:ASN:ND2	1:5:456:THR:O	2.00	0.95
1:F:456:THR:O	1:U:497:ASN:ND2	2.00	0.95
1:I:497:ASN:ND2	1:X:456:THR:O	2.00	0.95
1:J:456:THR:O	1:W:497:ASN:ND2	2.00	0.95
1:B:456:THR:O	1:t:497:ASN:ND2	2.00	0.94
1:C:497:ASN:ND2	1:R:456:THR:O	2.00	0.94
1:Y:456:THR:O	1:1:497:ASN:ND2	2.00	0.94
1:i:497:ASN:ND2	1:z:456:THR:O	2.00	0.94
1:H:456:THR:O	1:n:497:ASN:ND2	2.00	0.94
1:K:456:THR:O	1:x:497:ASN:ND2	2.00	0.94
1:K:497:ASN:ND2	1:b:456:THR:O	2.00	0.94
1:c:456:THR:O	1:f:497:ASN:ND2	2.00	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:G:497:ASN:ND2	1:4:456:THR:O	2.00	0.94
1:O:497:ASN:ND2	1:d:456:THR:O	2.00	0.94
1:Z:497:ASN:ND2	1:i:456:THR:O	2.00	0.94
1:L:497:ASN:ND2	1:k:456:THR:O	2.00	0.94
1:M:456:THR:O	1:j:497:ASN:ND2	2.00	0.94
1:P:497:ASN:ND2	1:f:456:THR:O	2.00	0.94
1:Q:456:THR:O	1:r:497:ASN:ND2	2.00	0.94
1:p:456:THR:O	1:4:497:ASN:ND2	2.01	0.94
1:A:456:THR:O	1:R:497:ASN:ND2	2.01	0.94
1:G:456:THR:O	1:p:497:ASN:ND2	2.00	0.94
1:M:497:ASN:ND2	1:y:456:THR:O	2.00	0.94
1:O:456:THR:O	1:w:497:ASN:ND2	2.00	0.94
1:S:497:ASN:ND2	1:s:456:THR:O	2.00	0.94
1:X:497:ASN:ND2	1:2:456:THR:O	2.00	0.94
1:d:497:ASN:ND2	1:w:456:THR:O	2.01	0.94
1:t:456:THR:O	1:6:497:ASN:ND2	2.00	0.94
1:S:456:THR:O	1:7:497:ASN:ND2	2.01	0.94
1:U:456:THR:O	1:q:497:ASN:ND2	2.00	0.94
1:D:456:THR:O	1:Q:497:ASN:ND2	2.00	0.94
1:J:497:ASN:ND2	1:l:456:THR:O	2.00	0.94
1:L:456:THR:O	1:a:497:ASN:ND2	2.01	0.94
1:T:456:THR:O	1:5:497:ASN:ND2	2.00	0.94
1:m:497:ASN:ND2	1:1:456:THR:O	2.00	0.93
1:n:456:THR:O	1:0:497:ASN:ND2	2.00	0.93
1:E:456:THR:O	1:3:497:ASN:ND2	2.00	0.93
1:F:497:ASN:ND2	1:q:456:THR:O	2.00	0.93
1:P:456:THR:O	1:c:497:ASN:ND2	2.00	0.93
1:e:497:ASN:ND2	1:g:456:THR:O	2.00	0.93
1:g:497:ASN:ND2	1:v:456:THR:O	2.00	0.93
1:T:497:ASN:ND2	1:o:456:THR:O	2.00	0.93
1:D:497:ASN:ND2	1:r:456:THR:O	2.00	0.93
1:h:456:THR:O	1:u:497:ASN:ND2	2.01	0.93
1:j:456:THR:O	1:y:497:ASN:ND2	2.00	0.92
1:s:497:ASN:ND2	1:7:456:THR:O	2.00	0.92
1:B:497:ASN:ND2	1:6:456:THR:O	2.00	0.92
1:Z:456:THR:O	1:z:497:ASN:ND2	2.00	0.92
1:a:456:THR:O	1:k:497:ASN:ND2	2.00	0.92
1:N:497:ASN:ND2	1:u:456:THR:O	2.03	0.91
2:lh:25:GLU:HG3	2:lh:116:CYS:SG	2.12	0.90
2:2h:25:GLU:HG3	2:2h:116:CYS:SG	2.12	0.90
2:3h:25:GLU:HG3	2:3h:116:CYS:SG	2.12	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ah:25:GLU:HG3	2:ah:116:CYS:SG	2.12	0.90
2:ch:25:GLU:HG3	2:ch:116:CYS:SG	2.12	0.90
2:ih:25:GLU:HG3	2:ih:116:CYS:SG	2.12	0.90
2:7h:25:GLU:HG3	2:7h:116:CYS:SG	2.12	0.90
2:Uh:25:GLU:HG3	2:Uh:116:CYS:SG	2.12	0.90
2:hh:25:GLU:HG3	2:hh:116:CYS:SG	2.12	0.90
2:nh:25:GLU:HG3	2:nh:116:CYS:SG	2.12	0.90
2:th:25:GLU:HG3	2:th:116:CYS:SG	2.12	0.90
2:xh:25:GLU:HG3	2:xh:116:CYS:SG	2.12	0.90
2:1h:25:GLU:HG3	2:1h:116:CYS:SG	2.12	0.90
2:Ch:25:GLU:HG3	2:Ch:116:CYS:SG	2.12	0.90
2:Kh:25:GLU:HG3	2:Kh:116:CYS:SG	2.12	0.90
2:Rh:25:GLU:HG3	2:Rh:116:CYS:SG	2.12	0.90
2:Bh:25:GLU:HG3	2:Bh:116:CYS:SG	2.12	0.90
2:Eh:25:GLU:HG3	2:Eh:116:CYS:SG	2.12	0.90
2:Ph:25:GLU:HG3	2:Ph:116:CYS:SG	2.12	0.90
2:Wh:25:GLU:HG3	2:Wh:116:CYS:SG	2.12	0.90
2:zh:25:GLU:HG3	2:zh:116:CYS:SG	2.12	0.90
2:Ih:25:GLU:HG3	2:Ih:116:CYS:SG	2.12	0.90
2:Th:25:GLU:HG3	2:Th:116:CYS:SG	2.12	0.89
2:gh:25:GLU:HG3	2:gh:116:CYS:SG	2.12	0.89
2:Lh:25:GLU:HG3	2:Lh:116:CYS:SG	2.12	0.89
2:Sh:25:GLU:HG3	2:Sh:116:CYS:SG	2.12	0.89
2:mh:25:GLU:HG3	2:mh:116:CYS:SG	2.12	0.89
2:Oh:25:GLU:HG3	2:Oh:116:CYS:SG	2.12	0.89
2:Hh:25:GLU:HG3	2:Hh:116:CYS:SG	2.12	0.89
2:Oh:25:GLU:HG3	2:Oh:116:CYS:SG	2.12	0.89
2:Yh:25:GLU:HG3	2:Yh:116:CYS:SG	2.12	0.89
2:oh:25:GLU:HG3	2:oh:116:CYS:SG	2.12	0.89
2:Qh:25:GLU:HG3	2:Qh:116:CYS:SG	2.12	0.89
2:vh:25:GLU:HG3	2:vh:116:CYS:SG	2.12	0.89
1:o:238:ARG:HH21	1:o:238:ARG:HG2	1.38	0.89
1:v:238:ARG:HG2	1:v:238:ARG:HH21	1.38	0.89
1:0:238:ARG:HG2	1:0:238:ARG:HH21	1.38	0.89
2:Fh:25:GLU:HG3	2:Fh:116:CYS:SG	2.12	0.89
2:Gh:25:GLU:HG3	2:Gh:116:CYS:SG	2.12	0.89
2:Mh:25:GLU:HG3	2:Mh:116:CYS:SG	2.12	0.89
2:Vh:25:GLU:HG3	2:Vh:116:CYS:SG	2.12	0.89
2:fh:25:GLU:HG3	2:fh:116:CYS:SG	2.12	0.89
2:wh:25:GLU:HG3	2:wh:116:CYS:SG	2.12	0.89
1:J:238:ARG:HG2	1:J:238:ARG:HH21	1.38	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:M:238:ARG:HG2	1:M:238:ARG:HH21	1.38	0.89
1:m:238:ARG:HG2	1:m:238:ARG:HH21	1.38	0.89
1:n:238:ARG:HG2	1:n:238:ARG:HH21	1.38	0.89
1:1:238:ARG:HH21	1:1:238:ARG:HG2	1.38	0.89
2:eh:25:GLU:HG3	2:eh:116:CYS:SG	2.12	0.89
2:ph:25:GLU:HG3	2:ph:116:CYS:SG	2.12	0.89
2:5h:25:GLU:HG3	2:5h:116:CYS:SG	2.12	0.89
2:6h:25:GLU:HG3	2:6h:116:CYS:SG	2.12	0.89
1:P:238:ARG:HG2	1:P:238:ARG:HH21	1.38	0.89
1:Q:238:ARG:HH21	1:Q:238:ARG:HG2	1.38	0.89
1:X:238:ARG:HG2	1:X:238:ARG:HH21	1.38	0.89
2:Nh:25:GLU:HG3	2:Nh:116:CYS:SG	2.12	0.89
2:Jh:25:GLU:HG3	2:Jh:116:CYS:SG	2.12	0.89
2:Zh:25:GLU:HG3	2:Zh:116:CYS:SG	2.12	0.89
2:rh:25:GLU:HG3	2:rh:116:CYS:SG	2.12	0.89
2:uh:25:GLU:HG3	2:uh:116:CYS:SG	2.12	0.89
1:E:238:ARG:HG2	1:E:238:ARG:HH21	1.38	0.89
1:V:238:ARG:HH21	1:V:238:ARG:HG2	1.38	0.89
1:f:238:ARG:HG2	1:f:238:ARG:HH21	1.38	0.89
1:j:238:ARG:HG2	1:j:238:ARG:HH21	1.38	0.89
2:Ah:25:GLU:HG3	2:Ah:116:CYS:SG	2.12	0.89
2:Dh:25:GLU:HG3	2:Dh:116:CYS:SG	2.12	0.89
2:Xh:25:GLU:HG3	2:Xh:116:CYS:SG	2.12	0.89
2:jh:25:GLU:HG3	2:jh:116:CYS:SG	2.12	0.89
2:sh:25:GLU:HG3	2:sh:116:CYS:SG	2.12	0.89
1:r:238:ARG:HG2	1:r:238:ARG:HH21	1.38	0.88
2:qh:25:GLU:HG3	2:qh:116:CYS:SG	2.12	0.88
2:yh:25:GLU:HG3	2:yh:116:CYS:SG	2.12	0.88
1:L:238:ARG:HH21	1:L:238:ARG:HG2	1.38	0.88
1:S:238:ARG:HG2	1:S:238:ARG:HH21	1.38	0.88
1:Z:238:ARG:HG2	1:Z:238:ARG:HH21	1.38	0.88
1:h:238:ARG:HG2	1:h:238:ARG:HH21	1.38	0.88
1:6:238:ARG:HH21	1:6:238:ARG:HG2	1.38	0.88
2:bh:25:GLU:HG3	2:bh:116:CYS:SG	2.12	0.88
2:kh:25:GLU:HG3	2:kh:116:CYS:SG	2.12	0.88
1:U:238:ARG:HG2	1:U:238:ARG:HH21	1.38	0.88
1:e:238:ARG:HG2	1:e:238:ARG:HH21	1.38	0.88
2:dh:25:GLU:HG3	2:dh:116:CYS:SG	2.12	0.88
2:4h:25:GLU:HG3	2:4h:116:CYS:SG	2.12	0.88
1:5:238:ARG:HG2	1:5:238:ARG:HH21	1.38	0.88
1:6:657:PRO:HB3	1:6:666:PHE:HZ	1.39	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:657:PRO:HB3	1:W:666:PHE:HZ	1.39	0.88
1:Z:657:PRO:HB3	1:Z:666:PHE:HZ	1.39	0.88
1:G:238:ARG:HG2	1:G:238:ARG:HH21	1.38	0.88
1:I:657:PRO:HB3	1:I:666:PHE:HZ	1.39	0.88
1:O:238:ARG:HG2	1:O:238:ARG:HH21	1.38	0.87
1:R:238:ARG:HG2	1:R:238:ARG:HH21	1.38	0.87
1:3:238:ARG:HH21	1:3:238:ARG:HG2	1.38	0.87
1:I:238:ARG:HH21	1:I:238:ARG:HG2	1.38	0.87
1:c:238:ARG:HG2	1:c:238:ARG:HH21	1.38	0.87
1:o:657:PRO:HB3	1:o:666:PHE:HZ	1.39	0.87
1:q:657:PRO:HB3	1:q:666:PHE:HZ	1.39	0.87
1:D:238:ARG:HH21	1:D:238:ARG:HG2	1.38	0.87
1:u:657:PRO:HB3	1:u:666:PHE:HZ	1.39	0.87
1:v:657:PRO:HB3	1:v:666:PHE:HZ	1.39	0.87
1:A:657:PRO:HB3	1:A:666:PHE:HZ	1.39	0.87
1:C:238:ARG:HG2	1:C:238:ARG:HH21	1.38	0.87
1:W:238:ARG:HG2	1:W:238:ARG:HH21	1.38	0.87
1:b:657:PRO:HB3	1:b:666:PHE:HZ	1.39	0.87
1:u:238:ARG:HG2	1:u:238:ARG:HH21	1.38	0.87
1:x:238:ARG:HG2	1:x:238:ARG:HH21	1.38	0.87
1:2:238:ARG:HG2	1:2:238:ARG:HH21	1.38	0.87
1:K:238:ARG:HG2	1:K:238:ARG:HH21	1.38	0.87
1:N:238:ARG:HH21	1:N:238:ARG:HG2	1.38	0.87
1:T:238:ARG:HH21	1:T:238:ARG:HG2	1.38	0.87
1:i:238:ARG:HH21	1:i:238:ARG:HG2	1.38	0.87
1:q:238:ARG:HH21	1:q:238:ARG:HG2	1.38	0.87
1:g:238:ARG:HH21	1:g:238:ARG:HG2	1.38	0.87
1:t:238:ARG:HH21	1:t:238:ARG:HG2	1.38	0.87
1:y:238:ARG:HH21	1:y:238:ARG:HG2	1.38	0.87
1:z:238:ARG:HG2	1:z:238:ARG:HH21	1.38	0.87
1:0:657:PRO:HB3	1:0:666:PHE:HZ	1.39	0.87
1:b:238:ARG:HG2	1:b:238:ARG:HH21	1.38	0.87
1:4:657:PRO:HB3	1:4:666:PHE:HZ	1.39	0.87
3:MI:57:TRP:CH2	3:MI:110:CYS:SG	2.68	0.87
3:QL:57:TRP:CH2	3:QL:110:CYS:SG	2.68	0.87
1:A:238:ARG:HH21	1:A:238:ARG:HG2	1.38	0.87
1:d:657:PRO:HB3	1:d:666:PHE:HZ	1.39	0.87
1:l:238:ARG:HH21	1:l:238:ARG:HG2	1.38	0.87
1:m:657:PRO:HB3	1:m:666:PHE:HZ	1.39	0.87
3:JL:57:TRP:CH2	3:JL:110:CYS:SG	2.68	0.87
3:XL:57:TRP:CH2	3:XL:110:CYS:SG	2.68	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Yl:57:TRP:CH2	3:Yl:110:CYS:SG	2.68	0.87
3:Zl:57:TRP:CH2	3:Zl:110:CYS:SG	2.68	0.87
3:al:57:TRP:CH2	3:al:110:CYS:SG	2.68	0.87
3:ol:57:TRP:CH2	3:ol:110:CYS:SG	2.68	0.87
3:vl:57:TRP:CH2	3:vl:110:CYS:SG	2.68	0.87
3:6l:57:TRP:CH2	3:6l:110:CYS:SG	2.68	0.87
3:7l:57:TRP:CH2	3:7l:110:CYS:SG	2.68	0.87
3:Fl:57:TRP:CH2	3:Fl:110:CYS:SG	2.68	0.87
3:il:57:TRP:CH2	3:il:110:CYS:SG	2.68	0.87
3:ml:57:TRP:CH2	3:ml:110:CYS:SG	2.68	0.87
3:tl:57:TRP:CH2	3:tl:110:CYS:SG	2.68	0.87
3:xl:57:TRP:CH2	3:xl:110:CYS:SG	2.68	0.87
1:C:657:PRO:HB3	1:C:666:PHE:HZ	1.39	0.86
1:r:657:PRO:HB3	1:r:666:PHE:HZ	1.39	0.86
1:s:238:ARG:HG2	1:s:238:ARG:HH21	1.38	0.86
1:w:657:PRO:HB3	1:w:666:PHE:HZ	1.39	0.86
3:Bl:57:TRP:CH2	3:Bl:110:CYS:SG	2.68	0.86
3:Cl:57:TRP:CH2	3:Cl:110:CYS:SG	2.68	0.86
3:Hl:57:TRP:CH2	3:Hl:110:CYS:SG	2.68	0.86
3:Nl:57:TRP:CH2	3:Nl:110:CYS:SG	2.68	0.86
3:kl:57:TRP:CH2	3:kl:110:CYS:SG	2.68	0.86
3:Ol:57:TRP:CH2	3:Ol:110:CYS:SG	2.68	0.86
1:B:238:ARG:HG2	1:B:238:ARG:HH21	1.38	0.86
1:F:238:ARG:HH21	1:F:238:ARG:HG2	1.38	0.86
1:h:657:PRO:HB3	1:h:666:PHE:HZ	1.39	0.86
1:k:238:ARG:HG2	1:k:238:ARG:HH21	1.38	0.86
3:Kl:57:TRP:CH2	3:Kl:110:CYS:SG	2.68	0.86
3:Ll:57:TRP:CH2	3:Ll:110:CYS:SG	2.68	0.86
3:Rl:57:TRP:CH2	3:Rl:110:CYS:SG	2.68	0.86
3:Sl:57:TRP:CH2	3:Sl:110:CYS:SG	2.68	0.86
3:Tl:57:TRP:CH2	3:Tl:110:CYS:SG	2.68	0.86
3:sl:57:TRP:CH2	3:sl:110:CYS:SG	2.68	0.86
3:zl:57:TRP:CH2	3:zl:110:CYS:SG	2.68	0.86
3:2l:57:TRP:CH2	3:2l:110:CYS:SG	2.68	0.86
3:3l:57:TRP:CH2	3:3l:110:CYS:SG	2.68	0.86
1:B:657:PRO:HB3	1:B:666:PHE:HZ	1.39	0.86
1:H:238:ARG:HG2	1:H:238:ARG:HH21	1.38	0.86
1:U:657:PRO:HB3	1:U:666:PHE:HZ	1.39	0.86
1:p:657:PRO:HB3	1:p:666:PHE:HZ	1.39	0.86
1:w:238:ARG:HH21	1:w:238:ARG:HG2	1.38	0.86
3:El:57:TRP:CH2	3:El:110:CYS:SG	2.68	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Il:57:TRP:CH2	3:Il:110:CYS:SG	2.68	0.86
3:Pl:57:TRP:CH2	3:Pl:110:CYS:SG	2.68	0.86
3:cl:57:TRP:CH2	3:cl:110:CYS:SG	2.68	0.86
3:gl:57:TRP:CH2	3:gl:110:CYS:SG	2.68	0.86
3:nl:57:TRP:CH2	3:nl:110:CYS:SG	2.68	0.86
3:pl:57:TRP:CH2	3:pl:110:CYS:SG	2.68	0.86
3:wl:57:TRP:CH2	3:wl:110:CYS:SG	2.68	0.86
3:ll:57:TRP:CH2	3:ll:110:CYS:SG	2.68	0.86
3:5l:57:TRP:CH2	3:5l:110:CYS:SG	2.68	0.86
1:Q:657:PRO:HB3	1:Q:666:PHE:HZ	1.39	0.86
1:j:657:PRO:HB3	1:j:666:PHE:HZ	1.39	0.86
1:x:657:PRO:HB3	1:x:666:PHE:HZ	1.39	0.86
1:z:657:PRO:HB3	1:z:666:PHE:HZ	1.39	0.86
3:Al:57:TRP:CH2	3:Al:110:CYS:SG	2.68	0.86
3:Wl:57:TRP:CH2	3:Wl:110:CYS:SG	2.68	0.86
3:bl:57:TRP:CH2	3:bl:110:CYS:SG	2.68	0.86
3:dl:57:TRP:CH2	3:dl:110:CYS:SG	2.68	0.86
3:el:57:TRP:CH2	3:el:110:CYS:SG	2.68	0.86
3:hl:57:TRP:CH2	3:hl:110:CYS:SG	2.68	0.86
3:jl:57:TRP:CH2	3:jl:110:CYS:SG	2.68	0.86
3:ll:57:TRP:CH2	3:ll:110:CYS:SG	2.68	0.86
3:4l:57:TRP:CH2	3:4l:110:CYS:SG	2.68	0.86
3:Ul:57:TRP:CH2	3:Ul:110:CYS:SG	2.68	0.86
3:rl:57:TRP:CH2	3:rl:110:CYS:SG	2.68	0.86
1:Y:238:ARG:HH21	1:Y:238:ARG:HG2	1.38	0.86
1:p:238:ARG:HG2	1:p:238:ARG:HH21	1.38	0.86
1:M:657:PRO:HB3	1:M:666:PHE:HZ	1.39	0.86
1:V:657:PRO:HB3	1:V:666:PHE:HZ	1.39	0.86
1:5:657:PRO:HB3	1:5:666:PHE:HZ	1.39	0.86
3:ql:57:TRP:CH2	3:ql:110:CYS:SG	2.68	0.86
3:yl:57:TRP:CH2	3:yl:110:CYS:SG	2.68	0.86
1:O:657:PRO:HB3	1:O:666:PHE:HZ	1.39	0.86
1:f:657:PRO:HB3	1:f:666:PHE:HZ	1.39	0.86
1:s:657:PRO:HB3	1:s:666:PHE:HZ	1.39	0.86
3:Dl:57:TRP:CH2	3:Dl:110:CYS:SG	2.68	0.86
3:Gl:57:TRP:CH2	3:Gl:110:CYS:SG	2.68	0.86
3:Ol:57:TRP:CH2	3:Ol:110:CYS:SG	2.68	0.86
1:H:657:PRO:HB3	1:H:666:PHE:HZ	1.39	0.86
1:S:657:PRO:HB3	1:S:666:PHE:HZ	1.39	0.86
1:e:657:PRO:HB3	1:e:666:PHE:HZ	1.39	0.86
3:ul:57:TRP:CH2	3:ul:110:CYS:SG	2.68	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:657:PRO:HB3	1:i:666:PHE:HZ	1.39	0.86
1:4:238:ARG:HG2	1:4:238:ARG:HH21	1.38	0.86
1:G:657:PRO:HB3	1:G:666:PHE:HZ	1.39	0.85
1:K:657:PRO:HB3	1:K:666:PHE:HZ	1.39	0.85
1:R:657:PRO:HB3	1:R:666:PHE:HZ	1.39	0.85
1:k:657:PRO:HB3	1:k:666:PHE:HZ	1.39	0.85
1:E:657:PRO:HB3	1:E:666:PHE:HZ	1.39	0.85
1:L:657:PRO:HB3	1:L:666:PHE:HZ	1.39	0.85
1:Y:657:PRO:HB3	1:Y:666:PHE:HZ	1.39	0.85
1:7:657:PRO:HB3	1:7:666:PHE:HZ	1.39	0.85
1:d:238:ARG:HH21	1:d:238:ARG:HG2	1.38	0.85
1:F:657:PRO:HB3	1:F:666:PHE:HZ	1.39	0.85
1:a:657:PRO:HB3	1:a:666:PHE:HZ	1.39	0.85
1:n:657:PRO:HB3	1:n:666:PHE:HZ	1.39	0.85
1:1:657:PRO:HB3	1:1:666:PHE:HZ	1.39	0.85
3:Vl:57:TRP:CH2	3:Vl:110:CYS:SG	2.68	0.85
3:fl:57:TRP:CH2	3:fl:110:CYS:SG	2.68	0.85
1:P:657:PRO:HB3	1:P:666:PHE:HZ	1.39	0.85
1:t:657:PRO:HB3	1:t:666:PHE:HZ	1.39	0.85
1:N:657:PRO:HB3	1:N:666:PHE:HZ	1.39	0.85
1:T:657:PRO:HB3	1:T:666:PHE:HZ	1.39	0.85
1:D:657:PRO:HB3	1:D:666:PHE:HZ	1.39	0.85
1:g:657:PRO:HB3	1:g:666:PHE:HZ	1.39	0.85
1:l:657:PRO:HB3	1:l:666:PHE:HZ	1.39	0.85
1:2:657:PRO:HB3	1:2:666:PHE:HZ	1.39	0.85
1:y:657:PRO:HB3	1:y:666:PHE:HZ	1.39	0.85
1:A:324:THR:OG1	2:Ah:130:THR:HG22	1.75	0.85
1:J:657:PRO:HB3	1:J:666:PHE:HZ	1.39	0.84
1:7:238:ARG:HG2	1:7:238:ARG:HH21	1.38	0.84
1:X:657:PRO:HB3	1:X:666:PHE:HZ	1.39	0.84
1:a:238:ARG:HH21	1:a:238:ARG:HG2	1.38	0.84
1:3:657:PRO:HB3	1:3:666:PHE:HZ	1.39	0.84
3:Yl:60:GLN:O	3:Yl:106:ALA:HB1	1.78	0.84
3:Hl:60:GLN:O	3:Hl:106:ALA:HB1	1.78	0.84
3:Ml:60:GLN:O	3:Ml:106:ALA:HB1	1.78	0.84
3:Ql:60:GLN:O	3:Ql:106:ALA:HB1	1.78	0.84
3:cl:60:GLN:O	3:cl:106:ALA:HB1	1.78	0.84
3:Kl:60:GLN:O	3:Kl:106:ALA:HB1	1.78	0.84
3:Rl:60:GLN:O	3:Rl:106:ALA:HB1	1.78	0.84
3:Ul:42:CYS:HB3	3:Ul:110:CYS:SG	2.18	0.84
3:Wl:60:GLN:O	3:Wl:106:ALA:HB1	1.78	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:hl:42:CYS:HB3	3:hl:110:CYS:SG	2.18	0.84
3:3l:60:GLN:O	3:3l:106:ALA:HB1	1.78	0.84
1:c:657:PRO:HB3	1:c:666:PHE:HZ	1.39	0.84
3:Bl:42:CYS:HB3	3:Bl:110:CYS:SG	2.18	0.84
3:Il:60:GLN:O	3:Il:106:ALA:HB1	1.78	0.84
3:Tl:60:GLN:O	3:Tl:106:ALA:HB1	1.78	0.84
3:gl:60:GLN:O	3:gl:106:ALA:HB1	1.78	0.84
3:jl:42:CYS:HB3	3:jl:110:CYS:SG	2.18	0.84
3:kl:42:CYS:HB3	3:kl:110:CYS:SG	2.18	0.84
3:rl:42:CYS:HB3	3:rl:110:CYS:SG	2.18	0.84
3:sl:42:CYS:HB3	3:sl:110:CYS:SG	2.18	0.84
3:zl:42:CYS:HB3	3:zl:110:CYS:SG	2.18	0.84
3:7l:42:CYS:HB3	3:7l:110:CYS:SG	2.18	0.84
1:u:385:GLN:OE1	1:0:706:LYS:HD3	1.78	0.84
3:Pl:42:CYS:HB3	3:Pl:110:CYS:SG	2.18	0.84
3:al:42:CYS:HB3	3:al:110:CYS:SG	2.18	0.84
3:el:60:GLN:O	3:el:106:ALA:HB1	1.78	0.84
3:nl:42:CYS:HB3	3:nl:110:CYS:SG	2.18	0.84
3:1l:42:CYS:HB3	3:1l:110:CYS:SG	2.18	0.84
3:5l:60:GLN:O	3:5l:106:ALA:HB1	1.78	0.84
3:Dl:42:CYS:HB3	3:Dl:110:CYS:SG	2.18	0.84
3:El:42:CYS:HB3	3:El:110:CYS:SG	2.18	0.84
3:Rl:42:CYS:HB3	3:Rl:110:CYS:SG	2.18	0.84
3:Ul:60:GLN:O	3:Ul:106:ALA:HB1	1.78	0.84
3:yl:42:CYS:HB3	3:yl:110:CYS:SG	2.18	0.84
3:Ol:42:CYS:HB3	3:Ol:110:CYS:SG	2.18	0.84
3:Gl:60:GLN:O	3:Gl:106:ALA:HB1	1.78	0.83
3:Kl:42:CYS:HB3	3:Kl:110:CYS:SG	2.18	0.83
3:hl:60:GLN:O	3:hl:106:ALA:HB1	1.78	0.83
3:il:42:CYS:HB3	3:il:110:CYS:SG	2.18	0.83
3:ml:42:CYS:HB3	3:ml:110:CYS:SG	2.18	0.83
3:tl:42:CYS:HB3	3:tl:110:CYS:SG	2.18	0.83
3:Cl:42:CYS:HB3	3:Cl:110:CYS:SG	2.18	0.83
3:Gl:42:CYS:HB3	3:Gl:110:CYS:SG	2.18	0.83
3:Ol:60:GLN:O	3:Ol:106:ALA:HB1	1.78	0.83
3:Tl:42:CYS:HB3	3:Tl:110:CYS:SG	2.18	0.83
3:Ol:42:CYS:HB3	3:Ol:110:CYS:SG	2.18	0.83
3:xl:42:CYS:HB3	3:xl:110:CYS:SG	2.18	0.83
3:5l:42:CYS:HB3	3:5l:110:CYS:SG	2.18	0.83
3:Zl:42:CYS:HB3	3:Zl:110:CYS:SG	2.18	0.83
3:el:42:CYS:HB3	3:el:110:CYS:SG	2.18	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:gl:42:CYS:HB3	3:gl:110:CYS:SG	2.18	0.83
3:ml:42:CYS:HB3	3:ml:110:CYS:SG	2.18	0.83
3:pl:42:CYS:HB3	3:pl:110:CYS:SG	2.18	0.83
3:wl:42:CYS:HB3	3:wl:110:CYS:SG	2.18	0.83
1:o:385:GLN:OE1	1:u:706:LYS:HD3	1.79	0.83
3:Al:42:CYS:HB3	3:Al:110:CYS:SG	2.18	0.83
3:Ql:42:CYS:HB3	3:Ql:110:CYS:SG	2.18	0.83
3:Vl:60:GLN:O	3:Vl:106:ALA:HB1	1.78	0.83
3:al:60:GLN:O	3:al:106:ALA:HB1	1.78	0.83
3:ol:42:CYS:HB3	3:ol:110:CYS:SG	2.18	0.83
3:vl:42:CYS:HB3	3:vl:110:CYS:SG	2.18	0.83
3:6l:42:CYS:HB3	3:6l:110:CYS:SG	2.18	0.83
3:Ll:60:GLN:O	3:Ll:106:ALA:HB1	1.78	0.83
3:Yl:42:CYS:HB3	3:Yl:110:CYS:SG	2.18	0.83
3:sl:60:GLN:O	3:sl:106:ALA:HB1	1.78	0.83
3:7l:60:GLN:O	3:7l:106:ALA:HB1	1.78	0.83
2:Mh:36:THR:HA	2:Mh:103:LEU:O	1.79	0.83
3:El:60:GLN:O	3:El:106:ALA:HB1	1.78	0.83
3:Hl:42:CYS:HB3	3:Hl:110:CYS:SG	2.18	0.83
3:Jl:42:CYS:HB3	3:Jl:110:CYS:SG	2.18	0.83
3:Sl:42:CYS:HB3	3:Sl:110:CYS:SG	2.18	0.83
3:cl:42:CYS:HB3	3:cl:110:CYS:SG	2.18	0.83
3:fl:60:GLN:O	3:fl:106:ALA:HB1	1.78	0.83
3:ll:60:GLN:O	3:ll:106:ALA:HB1	1.78	0.83
3:pl:60:GLN:O	3:pl:106:ALA:HB1	1.78	0.83
3:vl:60:GLN:O	3:vl:106:ALA:HB1	1.78	0.83
2:Kh:36:THR:HA	2:Kh:103:LEU:O	1.79	0.83
2:Qh:36:THR:HA	2:Qh:103:LEU:O	1.79	0.83
2:Rh:36:THR:HA	2:Rh:103:LEU:O	1.79	0.83
3:Ll:42:CYS:HB3	3:Ll:110:CYS:SG	2.18	0.83
3:Sl:60:GLN:O	3:Sl:106:ALA:HB1	1.78	0.83
3:bl:42:CYS:HB3	3:bl:110:CYS:SG	2.18	0.83
3:kl:60:GLN:O	3:kl:106:ALA:HB1	1.78	0.83
3:zl:60:GLN:O	3:zl:106:ALA:HB1	1.78	0.83
2:kh:36:THR:HA	2:kh:103:LEU:O	1.79	0.83
2:sh:36:THR:HA	2:sh:103:LEU:O	1.79	0.83
3:Pl:60:GLN:O	3:Pl:106:ALA:HB1	1.78	0.83
3:Xl:42:CYS:HB3	3:Xl:110:CYS:SG	2.18	0.83
3:Xl:60:GLN:O	3:Xl:106:ALA:HB1	1.78	0.83
3:ol:60:GLN:O	3:ol:106:ALA:HB1	1.78	0.83
3:ql:42:CYS:HB3	3:ql:110:CYS:SG	2.18	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:ul:42:CYS:HB3	3:ul:110:CYS:SG	2.18	0.83
3:wl:60:GLN:O	3:wl:106:ALA:HB1	1.78	0.83
3:2l:60:GLN:O	3:2l:106:ALA:HB1	1.78	0.83
1:V:706:LYS:HD3	1:x:385:GLN:OE1	1.79	0.82
2:qh:36:THR:HA	2:qh:103:LEU:O	1.79	0.82
2:zh:36:THR:HA	2:zh:103:LEU:O	1.79	0.82
3:Al:60:GLN:O	3:Al:106:ALA:HB1	1.78	0.82
3:Bl:60:GLN:O	3:Bl:106:ALA:HB1	1.78	0.82
3:Nl:60:GLN:O	3:Nl:106:ALA:HB1	1.78	0.82
3:dl:60:GLN:O	3:dl:106:ALA:HB1	1.78	0.82
3:3l:42:CYS:HB3	3:3l:110:CYS:SG	2.18	0.82
2:Bh:36:THR:HA	2:Bh:103:LEU:O	1.79	0.82
2:Jh:36:THR:HA	2:Jh:103:LEU:O	1.79	0.82
2:uh:36:THR:HA	2:uh:103:LEU:O	1.79	0.82
3:Fl:60:GLN:O	3:Fl:106:ALA:HB1	1.78	0.82
3:Gl:57:TRP:CZ3	3:Gl:110:CYS:SG	2.72	0.82
3:Ol:57:TRP:CZ3	3:Ol:110:CYS:SG	2.73	0.82
3:il:57:TRP:CZ3	3:il:110:CYS:SG	2.73	0.82
3:il:60:GLN:O	3:il:106:ALA:HB1	1.78	0.82
3:tl:57:TRP:CZ3	3:tl:110:CYS:SG	2.73	0.82
3:4l:57:TRP:CZ3	3:4l:110:CYS:SG	2.73	0.82
2:Ah:36:THR:HA	2:Ah:103:LEU:O	1.79	0.82
2:Lh:36:THR:HA	2:Lh:103:LEU:O	1.79	0.82
2:Xh:36:THR:HA	2:Xh:103:LEU:O	1.79	0.82
2:Yh:36:THR:HA	2:Yh:103:LEU:O	1.79	0.82
2:bh:36:THR:HA	2:bh:103:LEU:O	1.79	0.82
3:Hl:57:TRP:CZ3	3:Hl:110:CYS:SG	2.73	0.82
3:Il:42:CYS:HB3	3:Il:110:CYS:SG	2.18	0.82
3:Jl:60:GLN:O	3:Jl:106:ALA:HB1	1.78	0.82
3:Ll:57:TRP:CZ3	3:Ll:110:CYS:SG	2.73	0.82
3:Sl:57:TRP:CZ3	3:Sl:110:CYS:SG	2.73	0.82
3:Vl:42:CYS:HB3	3:Vl:110:CYS:SG	2.18	0.82
3:Yl:57:TRP:CZ3	3:Yl:110:CYS:SG	2.73	0.82
3:dl:57:TRP:CZ3	3:dl:110:CYS:SG	2.73	0.82
3:fl:42:CYS:HB3	3:fl:110:CYS:SG	2.18	0.82
3:ql:60:GLN:O	3:ql:106:ALA:HB1	1.78	0.82
3:tl:60:GLN:O	3:tl:106:ALA:HB1	1.78	0.82
3:2l:42:CYS:HB3	3:2l:110:CYS:SG	2.18	0.82
3:4l:42:CYS:HB3	3:4l:110:CYS:SG	2.18	0.82
3:4l:60:GLN:O	3:4l:106:ALA:HB1	1.78	0.82
2:Hh:36:THR:HA	2:Hh:103:LEU:O	1.79	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Sh:36:THR:HA	2:Sh:103:LEU:O	1.79	0.82
2:mh:36:THR:HA	2:mh:103:LEU:O	1.79	0.82
2:nh:36:THR:HA	2:nh:103:LEU:O	1.79	0.82
3:Ql:57:TRP:CZ3	3:Ql:110:CYS:SG	2.73	0.82
3:bl:57:TRP:CZ3	3:bl:110:CYS:SG	2.73	0.82
3:bl:60:GLN:O	3:bl:106:ALA:HB1	1.78	0.82
3:dl:42:CYS:HB3	3:dl:110:CYS:SG	2.18	0.82
3:gl:57:TRP:CZ3	3:gl:110:CYS:SG	2.72	0.82
3:ll:42:CYS:HB3	3:ll:110:CYS:SG	2.18	0.82
3:ll:60:GLN:O	3:ll:106:ALA:HB1	1.78	0.82
1:Z:385:GLN:OE1	1:t:706:LYS:HD3	1.80	0.82
1:i:706:LYS:HD3	1:6:385:GLN:OE1	1.80	0.82
2:Vh:36:THR:HA	2:Vh:103:LEU:O	1.79	0.82
2:fh:36:THR:HA	2:fh:103:LEU:O	1.79	0.82
2:0h:36:THR:HA	2:0h:103:LEU:O	1.79	0.82
3:Al:57:TRP:CZ3	3:Al:110:CYS:SG	2.73	0.82
3:Kl:57:TRP:CZ3	3:Kl:110:CYS:SG	2.72	0.82
3:Mi:57:TRP:CZ3	3:Mi:110:CYS:SG	2.73	0.82
3:Rl:57:TRP:CZ3	3:Rl:110:CYS:SG	2.72	0.82
3:Tl:57:TRP:CZ3	3:Tl:110:CYS:SG	2.73	0.82
3:Wl:42:CYS:HB3	3:Wl:110:CYS:SG	2.18	0.82
3:el:57:TRP:CZ3	3:el:110:CYS:SG	2.73	0.82
3:ul:60:GLN:O	3:ul:106:ALA:HB1	1.78	0.82
3:yl:60:GLN:O	3:yl:106:ALA:HB1	1.78	0.82
1:G:706:LYS:HD3	1:L:385:GLN:OE1	1.80	0.82
1:O:706:LYS:HD3	1:S:385:GLN:OE1	1.80	0.82
1:s:706:LYS:HD3	1:w:385:GLN:OE1	1.80	0.82
2:Ch:36:THR:HA	2:Ch:103:LEU:O	1.79	0.82
2:1h:36:THR:HA	2:1h:103:LEU:O	1.79	0.82
3:Il:57:TRP:CZ3	3:Il:110:CYS:SG	2.73	0.82
3:Pl:57:TRP:CZ3	3:Pl:110:CYS:SG	2.73	0.82
3:Zl:60:GLN:O	3:Zl:106:ALA:HB1	1.78	0.82
3:cl:57:TRP:CZ3	3:cl:110:CYS:SG	2.73	0.82
3:jl:60:GLN:O	3:jl:106:ALA:HB1	1.78	0.82
3:Ol:60:GLN:O	3:Ol:106:ALA:HB1	1.78	0.82
3:3l:57:TRP:CZ3	3:3l:110:CYS:SG	2.73	0.82
3:5l:57:TRP:CZ3	3:5l:110:CYS:SG	2.73	0.82
1:k:706:LYS:HD3	1:p:385:GLN:OE1	1.80	0.82
2:Gh:36:THR:HA	2:Gh:103:LEU:O	1.79	0.82
2:xh:36:THR:HA	2:xh:103:LEU:O	1.79	0.82
3:Dl:60:GLN:O	3:Dl:106:ALA:HB1	1.78	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:El:57:TRP:CZ3	3:El:110:CYS:SG	2.73	0.82
3:Wl:57:TRP:CZ3	3:Wl:110:CYS:SG	2.73	0.82
3:Zl:57:TRP:CZ3	3:Zl:110:CYS:SG	2.73	0.82
3:nl:57:TRP:CZ3	3:nl:110:CYS:SG	2.73	0.82
3:nl:60:GLN:O	3:nl:106:ALA:HB1	1.78	0.82
3:6l:57:TRP:CZ3	3:6l:110:CYS:SG	2.73	0.82
1:O:385:GLN:OE1	1:x:706:LYS:HD3	1.80	0.82
2:Oh:36:THR:HA	2:Oh:103:LEU:O	1.79	0.82
2:ph:36:THR:HA	2:ph:103:LEU:O	1.79	0.82
2:rh:36:THR:HA	2:rh:103:LEU:O	1.79	0.82
2:vh:36:THR:HA	2:vh:103:LEU:O	1.79	0.82
3:Cl:57:TRP:CZ3	3:Cl:110:CYS:SG	2.72	0.82
3:ml:60:GLN:O	3:ml:106:ALA:HB1	1.78	0.82
3:rl:60:GLN:O	3:rl:106:ALA:HB1	1.78	0.82
3:1l:57:TRP:CZ3	3:1l:110:CYS:SG	2.73	0.82
3:6l:60:GLN:O	3:6l:106:ALA:HB1	1.78	0.82
1:C:706:LYS:HD3	1:G:385:GLN:OE1	1.80	0.82
1:D:706:LYS:HD3	1:l:385:GLN:OE1	1.80	0.82
1:a:385:GLN:OE1	1:l:706:LYS:HD3	1.80	0.82
2:eh:36:THR:HA	2:eh:103:LEU:O	1.79	0.82
2:oh:36:THR:HA	2:oh:103:LEU:O	1.79	0.82
3:fl:57:TRP:CZ3	3:fl:110:CYS:SG	2.73	0.82
1:A:706:LYS:HD3	1:j:385:GLN:OE1	1.79	0.82
1:y:706:LYS:HD3	1:2:385:GLN:OE1	1.80	0.82
1:2:706:LYS:HD3	1:7:385:GLN:OE1	1.80	0.82
2:jh:36:THR:HA	2:jh:103:LEU:O	1.79	0.82
2:wh:36:THR:HA	2:wh:103:LEU:O	1.79	0.82
2:5h:36:THR:HA	2:5h:103:LEU:O	1.79	0.82
3:Jl:57:TRP:CZ3	3:Jl:110:CYS:SG	2.73	0.82
3:Vl:57:TRP:CZ3	3:Vl:110:CYS:SG	2.73	0.82
3:al:57:TRP:CZ3	3:al:110:CYS:SG	2.73	0.82
3:xl:57:TRP:CZ3	3:xl:110:CYS:SG	2.73	0.82
1:B:706:LYS:HD3	1:g:385:GLN:OE1	1.80	0.81
1:I:706:LYS:HD3	1:M:385:GLN:OE1	1.80	0.81
1:J:706:LYS:HD3	1:f:385:GLN:OE1	1.80	0.81
1:P:385:GLN:OE1	1:R:706:LYS:HD3	1.80	0.81
1:m:706:LYS:HD3	1:q:385:GLN:OE1	1.80	0.81
1:q:706:LYS:HD3	1:v:385:GLN:OE1	1.80	0.81
2:Ih:36:THR:HA	2:Ih:103:LEU:O	1.79	0.81
2:Ph:36:THR:HA	2:Ph:103:LEU:O	1.79	0.81
2:Th:36:THR:HA	2:Th:103:LEU:O	1.79	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Wh:36:THR:HA	2:Wh:103:LEU:O	1.79	0.81
2:ah:36:THR:HA	2:ah:103:LEU:O	1.79	0.81
2:ih:36:THR:HA	2:ih:103:LEU:O	1.79	0.81
3:Fl:42:CYS:HB3	3:Fl:110:CYS:SG	2.18	0.81
3:Fl:57:TRP:CZ3	3:Fl:110:CYS:SG	2.73	0.81
3:Xl:57:TRP:CZ3	3:Xl:110:CYS:SG	2.73	0.81
3:ul:57:TRP:CZ3	3:ul:110:CYS:SG	2.73	0.81
3:7l:57:TRP:CZ3	3:7l:110:CYS:SG	2.73	0.81
1:H:385:GLN:OE1	1:h:706:LYS:HD3	1.80	0.81
1:T:385:GLN:OE1	1:z:706:LYS:HD3	1.80	0.81
1:Y:706:LYS:HD3	1:d:385:GLN:OE1	1.80	0.81
2:gh:36:THR:HA	2:gh:103:LEU:O	1.79	0.81
2:th:36:THR:HA	2:th:103:LEU:O	1.79	0.81
3:Nl:42:CYS:HB3	3:Nl:110:CYS:SG	2.18	0.81
3:ql:57:TRP:CZ3	3:ql:110:CYS:SG	2.73	0.81
1:C:385:GLN:OE1	1:f:706:LYS:HD3	1.80	0.81
1:E:385:GLN:OE1	1:K:706:LYS:HD3	1.80	0.81
1:H:706:LYS:HD3	1:4:385:GLN:OE1	1.80	0.81
1:Q:385:GLN:OE1	1:W:706:LYS:HD3	1.80	0.81
1:U:706:LYS:HD3	1:Y:385:GLN:OE1	1.80	0.81
1:n:385:GLN:OE1	1:p:706:LYS:HD3	1.80	0.81
1:w:706:LYS:HD3	1:1:385:GLN:OE1	1.80	0.81
2:Ch:106:VAL:CG2	2:Ch:110:ASP:HB2	2.11	0.81
2:Eh:36:THR:HA	2:Eh:103:LEU:O	1.79	0.81
2:Zh:36:THR:HA	2:Zh:103:LEU:O	1.79	0.81
2:fh:106:VAL:CG2	2:fh:110:ASP:HB2	2.11	0.81
2:vh:106:VAL:CG2	2:vh:110:ASP:HB2	2.11	0.81
2:xh:106:VAL:CG2	2:xh:110:ASP:HB2	2.11	0.81
2:6h:36:THR:HA	2:6h:103:LEU:O	1.79	0.81
2:7h:36:THR:HA	2:7h:103:LEU:O	1.79	0.81
3:Dl:57:TRP:CZ3	3:Dl:110:CYS:SG	2.73	0.81
3:Nl:57:TRP:CZ3	3:Nl:110:CYS:SG	2.73	0.81
3:Ul:57:TRP:CZ3	3:Ul:110:CYS:SG	2.73	0.81
3:jl:57:TRP:CZ3	3:jl:110:CYS:SG	2.73	0.81
3:kl:57:TRP:CZ3	3:kl:110:CYS:SG	2.72	0.81
3:ol:57:TRP:CZ3	3:ol:110:CYS:SG	2.73	0.81
3:rl:57:TRP:CZ3	3:rl:110:CYS:SG	2.73	0.81
3:vl:57:TRP:CZ3	3:vl:110:CYS:SG	2.72	0.81
3:yl:57:TRP:CZ3	3:yl:110:CYS:SG	2.73	0.81
1:b:385:GLN:OE1	1:d:706:LYS:HD3	1.80	0.81
2:Uh:36:THR:HA	2:Uh:103:LEU:O	1.79	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Vh:106:VAL:CG2	2:Vh:110:ASP:HB2	2.11	0.81
2:oh:106:VAL:CG2	2:oh:110:ASP:HB2	2.11	0.81
2:4h:36:THR:HA	2:4h:103:LEU:O	1.79	0.81
3:hl:57:TRP:CZ3	3:hl:110:CYS:SG	2.73	0.81
1:F:385:GLN:OE1	1:e:706:LYS:HD3	1.80	0.81
1:U:385:GLN:OE1	1:r:706:LYS:HD3	1.80	0.81
1:W:385:GLN:OE1	1:c:706:LYS:HD3	1.80	0.81
2:Fh:36:THR:HA	2:Fh:103:LEU:O	1.79	0.81
2:Hh:106:VAL:CG2	2:Hh:110:ASP:HB2	2.11	0.81
2:Yh:106:VAL:CG2	2:Yh:110:ASP:HB2	2.11	0.81
2:dh:36:THR:HA	2:dh:103:LEU:O	1.79	0.81
2:hh:36:THR:HA	2:hh:103:LEU:O	1.79	0.81
3:Bl:57:TRP:CZ3	3:Bl:110:CYS:SG	2.73	0.81
3:ll:57:TRP:CZ3	3:ll:110:CYS:SG	2.73	0.81
3:sl:57:TRP:CZ3	3:sl:110:CYS:SG	2.72	0.81
3:xl:60:GLN:O	3:xl:106:ALA:HB1	1.78	0.81
3:zl:57:TRP:CZ3	3:zl:110:CYS:SG	2.73	0.81
3:2l:57:TRP:CZ3	3:2l:110:CYS:SG	2.73	0.81
1:A:385:GLN:OE1	1:4:706:LYS:HD3	1.80	0.81
1:h:385:GLN:OE1	1:j:706:LYS:HD3	1.80	0.81
2:7h:106:VAL:CG2	2:7h:110:ASP:HB2	2.11	0.81
3:ml:57:TRP:CZ3	3:ml:110:CYS:SG	2.73	0.81
3:pl:57:TRP:CZ3	3:pl:110:CYS:SG	2.73	0.81
1:I:385:GLN:OE1	1:3:706:LYS:HD3	1.80	0.81
1:J:385:GLN:OE1	1:L:706:LYS:HD3	1.80	0.81
1:S:706:LYS:HD3	1:X:385:GLN:OE1	1.80	0.81
1:c:314:LYS:HG3	1:c:410:THR:HG22	1.63	0.81
1:n:314:LYS:HG3	1:n:410:THR:HG22	1.63	0.81
1:1:314:LYS:HG3	1:1:410:THR:HG22	1.63	0.81
2:Ih:106:VAL:CG2	2:Ih:110:ASP:HB2	2.11	0.81
2:Uh:106:VAL:CG2	2:Uh:110:ASP:HB2	2.11	0.81
2:Wh:106:VAL:CG2	2:Wh:110:ASP:HB2	2.11	0.81
2:ah:106:VAL:CG2	2:ah:110:ASP:HB2	2.11	0.81
2:hh:106:VAL:CG2	2:hh:110:ASP:HB2	2.11	0.81
2:th:106:VAL:CG2	2:th:110:ASP:HB2	2.11	0.81
3:Cl:60:GLN:O	3:Cl:106:ALA:HB1	1.78	0.81
3:wl:57:TRP:CZ3	3:wl:110:CYS:SG	2.73	0.81
3:Ol:57:TRP:CZ3	3:Ol:110:CYS:SG	2.73	0.81
1:K:385:GLN:OE1	1:Q:706:LYS:HD3	1.80	0.81
1:N:385:GLN:OE1	1:5:706:LYS:HD3	1.80	0.81
1:V:385:GLN:OE1	1:X:706:LYS:HD3	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Z:706:LYS:HD3	1:m:385:GLN:OE1	1.80	0.81
1:b:706:LYS:HD3	1:r:385:GLN:OE1	1.80	0.81
1:j:314:LYS:HG3	1:j:410:THR:HG22	1.63	0.81
1:r:314:LYS:HG3	1:r:410:THR:HG22	1.63	0.81
1:0:385:GLN:OE1	1:6:706:LYS:HD3	1.80	0.81
1:3:314:LYS:HG3	1:3:410:THR:HG22	1.63	0.81
2:Nh:36:THR:HA	2:Nh:103:LEU:O	1.79	0.81
2:dh:106:VAL:CG2	2:dh:110:ASP:HB2	2.11	0.81
2:ih:106:VAL:CG2	2:ih:110:ASP:HB2	2.11	0.81
2:uh:106:VAL:CG2	2:uh:110:ASP:HB2	2.11	0.81
2:yh:36:THR:HA	2:yh:103:LEU:O	1.79	0.81
2:5h:106:VAL:CG2	2:5h:110:ASP:HB2	2.11	0.81
1:K:314:LYS:HG3	1:K:410:THR:HG22	1.63	0.81
1:R:314:LYS:HG3	1:R:410:THR:HG22	1.63	0.81
1:V:314:LYS:HG3	1:V:410:THR:HG22	1.63	0.81
1:m:314:LYS:HG3	1:m:410:THR:HG22	1.63	0.81
1:0:314:LYS:HG3	1:0:410:THR:HG22	1.63	0.81
1:5:314:LYS:HG3	1:5:410:THR:HG22	1.63	0.81
2:eh:106:VAL:CG2	2:eh:110:ASP:HB2	2.11	0.81
2:kh:106:VAL:CG2	2:kh:110:ASP:HB2	2.11	0.81
2:lh:36:THR:HA	2:lh:103:LEU:O	1.79	0.81
2:qh:106:VAL:CG2	2:qh:110:ASP:HB2	2.11	0.81
2:2h:36:THR:HA	2:2h:103:LEU:O	1.79	0.81
2:4h:106:VAL:CG2	2:4h:110:ASP:HB2	2.11	0.81
1:M:706:LYS:HD3	1:R:385:GLN:OE1	1.80	0.81
1:e:314:LYS:HG3	1:e:410:THR:HG22	1.63	0.81
1:g:706:LYS:HD3	1:k:385:GLN:OE1	1.80	0.81
1:i:314:LYS:HG3	1:i:410:THR:HG22	1.63	0.81
2:Dh:36:THR:HA	2:Dh:103:LEU:O	1.79	0.81
2:Fh:106:VAL:CG2	2:Fh:110:ASP:HB2	2.11	0.81
2:Nh:106:VAL:CG2	2:Nh:110:ASP:HB2	2.11	0.81
2:ph:106:VAL:CG2	2:ph:110:ASP:HB2	2.11	0.81
2:sh:106:VAL:CG2	2:sh:110:ASP:HB2	2.11	0.81
1:D:385:GLN:OE1	1:F:706:LYS:HD3	1.80	0.80
1:t:314:LYS:HG3	1:t:410:THR:HG22	1.63	0.80
2:Bh:106:VAL:CG2	2:Bh:110:ASP:HB2	2.11	0.80
2:Eh:106:VAL:CG2	2:Eh:110:ASP:HB2	2.11	0.80
2:Jh:106:VAL:CG2	2:Jh:110:ASP:HB2	2.11	0.80
1:D:314:LYS:HG3	1:D:410:THR:HG22	1.63	0.80
1:H:314:LYS:HG3	1:H:410:THR:HG22	1.63	0.80
1:N:706:LYS:HD3	1:y:385:GLN:OE1	1.80	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Q:314:LYS:HG3	1:Q:410:THR:HG22	1.63	0.80
1:T:706:LYS:HD3	1:s:385:GLN:OE1	1.80	0.80
1:o:314:LYS:HG3	1:o:410:THR:HG22	1.63	0.80
1:t:385:GLN:OE1	1:v:706:LYS:HD3	1.80	0.80
1:v:314:LYS:HG3	1:v:410:THR:HG22	1.63	0.80
1:5:385:GLN:OE1	1:7:706:LYS:HD3	1.80	0.80
2:Ah:106:VAL:CG2	2:Ah:110:ASP:HB2	2.11	0.80
2:Mh:36:THR:CB	2:Mh:103:LEU:O	2.30	0.80
2:Nh:36:THR:CB	2:Nh:103:LEU:O	2.30	0.80
2:Ph:106:VAL:CG2	2:Ph:110:ASP:HB2	2.11	0.80
2:Qh:36:THR:CB	2:Qh:103:LEU:O	2.30	0.80
2:Uh:36:THR:CB	2:Uh:103:LEU:O	2.30	0.80
2:Xh:106:VAL:CG2	2:Xh:110:ASP:HB2	2.11	0.80
2:bh:106:VAL:CG2	2:bh:110:ASP:HB2	2.11	0.80
2:ch:106:VAL:CG2	2:ch:110:ASP:HB2	2.11	0.80
2:fh:36:THR:CB	2:fh:103:LEU:O	2.30	0.80
2:hh:36:THR:CB	2:hh:103:LEU:O	2.30	0.80
2:lh:106:VAL:CG2	2:lh:110:ASP:HB2	2.11	0.80
2:wh:106:VAL:CG2	2:wh:110:ASP:HB2	2.11	0.80
2:yh:106:VAL:CG2	2:yh:110:ASP:HB2	2.11	0.80
2:0h:36:THR:CB	2:0h:103:LEU:O	2.30	0.80
1:J:314:LYS:HG3	1:J:410:THR:HG22	1.63	0.80
1:M:314:LYS:HG3	1:M:410:THR:HG22	1.63	0.80
1:Y:314:LYS:HG3	1:Y:410:THR:HG22	1.63	0.80
1:f:314:LYS:HG3	1:f:410:THR:HG22	1.63	0.80
1:y:314:LYS:HG3	1:y:410:THR:HG22	1.63	0.80
2:Fh:36:THR:CB	2:Fh:103:LEU:O	2.30	0.80
2:Gh:106:VAL:CG2	2:Gh:110:ASP:HB2	2.11	0.80
2:Kh:106:VAL:CG2	2:Kh:110:ASP:HB2	2.11	0.80
2:Lh:36:THR:CB	2:Lh:103:LEU:O	2.30	0.80
2:Sh:36:THR:CB	2:Sh:103:LEU:O	2.30	0.80
2:Sh:106:VAL:CG2	2:Sh:110:ASP:HB2	2.11	0.80
2:Vh:36:THR:CB	2:Vh:103:LEU:O	2.30	0.80
2:mh:36:THR:CB	2:mh:103:LEU:O	2.30	0.80
2:mh:106:VAL:CG2	2:mh:110:ASP:HB2	2.11	0.80
2:zh:106:VAL:CG2	2:zh:110:ASP:HB2	2.11	0.80
2:2h:106:VAL:CG2	2:2h:110:ASP:HB2	2.11	0.80
1:X:314:LYS:HG3	1:X:410:THR:HG22	1.63	0.80
1:a:706:LYS:HD3	1:e:385:GLN:OE1	1.80	0.80
1:l:314:LYS:HG3	1:l:410:THR:HG22	1.63	0.80
1:z:385:GLN:OE1	1:1:706:LYS:HD3	1.80	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Dh:106:VAL:CG2	2:Dh:110:ASP:HB2	2.11	0.80
2:Lh:106:VAL:CG2	2:Lh:110:ASP:HB2	2.11	0.80
2:Oh:106:VAL:CG2	2:Oh:110:ASP:HB2	2.11	0.80
2:Rh:106:VAL:CG2	2:Rh:110:ASP:HB2	2.11	0.80
2:dh:36:THR:CB	2:dh:103:LEU:O	2.30	0.80
2:0h:106:VAL:CG2	2:0h:110:ASP:HB2	2.11	0.80
2:3h:106:VAL:CG2	2:3h:110:ASP:HB2	2.11	0.80
2:4h:36:THR:CB	2:4h:103:LEU:O	2.30	0.80
1:B:385:GLN:OE1	1:n:706:LYS:HD3	1.80	0.80
1:L:314:LYS:HG3	1:L:410:THR:HG22	1.63	0.80
1:i:385:GLN:OE1	1:o:706:LYS:HD3	1.80	0.80
2:Jh:36:THR:CB	2:Jh:103:LEU:O	2.30	0.80
2:Yh:36:THR:CB	2:Yh:103:LEU:O	2.30	0.80
2:Zh:36:THR:CB	2:Zh:103:LEU:O	2.30	0.80
2:Zh:106:VAL:CG2	2:Zh:110:ASP:HB2	2.11	0.80
2:eh:36:THR:CB	2:eh:103:LEU:O	2.30	0.80
2:oh:36:THR:CB	2:oh:103:LEU:O	2.30	0.80
2:vh:36:THR:CB	2:vh:103:LEU:O	2.30	0.80
2:zh:36:THR:CB	2:zh:103:LEU:O	2.30	0.80
2:6h:36:THR:CB	2:6h:103:LEU:O	2.30	0.80
1:S:314:LYS:HG3	1:S:410:THR:HG22	1.63	0.80
1:q:314:LYS:HG3	1:q:410:THR:HG22	1.63	0.80
1:u:314:LYS:HG3	1:u:410:THR:HG22	1.63	0.80
1:2:314:LYS:HG3	1:2:410:THR:HG22	1.63	0.80
2:Bh:36:THR:CB	2:Bh:103:LEU:O	2.30	0.80
2:Hh:36:THR:CB	2:Hh:103:LEU:O	2.30	0.80
2:Th:36:THR:CB	2:Th:103:LEU:O	2.30	0.80
2:Xh:36:THR:CB	2:Xh:103:LEU:O	2.30	0.80
2:kh:36:THR:CB	2:kh:103:LEU:O	2.30	0.80
2:lh:36:THR:CB	2:lh:103:LEU:O	2.30	0.80
2:sh:36:THR:CB	2:sh:103:LEU:O	2.30	0.80
2:5h:36:THR:CB	2:5h:103:LEU:O	2.30	0.80
2:6h:106:VAL:CG2	2:6h:110:ASP:HB2	2.11	0.80
2:gh:36:THR:CB	2:gh:103:LEU:O	2.30	0.80
2:2h:36:THR:CB	2:2h:103:LEU:O	2.30	0.80
2:7h:36:THR:CB	2:7h:103:LEU:O	2.30	0.80
2:ch:36:THR:HA	2:ch:103:LEU:O	1.79	0.80
2:3h:36:THR:HA	2:3h:103:LEU:O	1.79	0.80
1:E:706:LYS:HD3	1:c:385:GLN:OE1	1.80	0.80
2:Eh:36:THR:CB	2:Eh:103:LEU:O	2.30	0.80
2:Gh:36:THR:CB	2:Gh:103:LEU:O	2.30	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Oh:36:THR:CB	2:Oh:103:LEU:O	2.30	0.80
2:Ph:36:THR:CB	2:Ph:103:LEU:O	2.30	0.80
2:ah:36:THR:CB	2:ah:103:LEU:O	2.30	0.80
2:3h:36:THR:CB	2:3h:103:LEU:O	2.30	0.80
1:F:314:LYS:HG3	1:F:410:THR:HG22	1.63	0.80
1:P:706:LYS:HD3	1:3:385:GLN:OE1	1.80	0.80
2:ch:36:THR:CB	2:ch:103:LEU:O	2.30	0.80
2:nh:106:VAL:CG2	2:nh:110:ASP:HB2	2.11	0.80
1:B:314:LYS:HG3	1:B:410:THR:HG22	1.63	0.79
1:C:314:LYS:HG3	1:C:410:THR:HG22	1.63	0.79
1:s:314:LYS:HG3	1:s:410:THR:HG22	1.63	0.79
1:x:314:LYS:HG3	1:x:410:THR:HG22	1.63	0.79
2:Qh:106:VAL:CG2	2:Qh:110:ASP:HB2	2.11	0.79
2:ph:36:THR:CB	2:ph:103:LEU:O	2.30	0.79
2:wh:36:THR:CB	2:wh:103:LEU:O	2.30	0.79
1:w:314:LYS:HG3	1:w:410:THR:HG22	1.63	0.79
2:nh:36:THR:CB	2:nh:103:LEU:O	2.30	0.79
2:1h:106:VAL:CG2	2:1h:110:ASP:HB2	2.11	0.79
1:N:314:LYS:HG3	1:N:410:THR:HG22	1.63	0.79
1:T:314:LYS:HG3	1:T:410:THR:HG22	1.63	0.79
1:k:314:LYS:HG3	1:k:410:THR:HG22	1.63	0.79
1:z:314:LYS:HG3	1:z:410:THR:HG22	1.63	0.79
1:6:314:LYS:HG3	1:6:410:THR:HG22	1.63	0.79
2:Mh:106:VAL:CG2	2:Mh:110:ASP:HB2	2.11	0.79
2:uh:36:THR:CB	2:uh:103:LEU:O	2.30	0.79
2:1h:36:THR:CB	2:1h:103:LEU:O	2.30	0.79
1:p:314:LYS:HG3	1:p:410:THR:HG22	1.63	0.79
2:Th:106:VAL:CG2	2:Th:110:ASP:HB2	2.11	0.79
2:Wh:36:THR:CB	2:Wh:103:LEU:O	2.30	0.79
2:qh:36:THR:CB	2:qh:103:LEU:O	2.30	0.79
1:Z:314:LYS:HG3	1:Z:410:THR:HG22	1.63	0.79
1:g:314:LYS:HG3	1:g:410:THR:HG22	1.63	0.79
1:4:314:LYS:HG3	1:4:410:THR:HG22	1.63	0.79
2:rh:106:VAL:CG2	2:rh:110:ASP:HB2	2.11	0.79
2:Ah:36:THR:CB	2:Ah:103:LEU:O	2.30	0.79
2:Ih:36:THR:CB	2:Ih:103:LEU:O	2.30	0.79
2:gh:106:VAL:CG2	2:gh:110:ASP:HB2	2.11	0.79
2:ih:36:THR:CB	2:ih:103:LEU:O	2.30	0.79
2:vh:25:GLU:OE2	2:vh:144:GLY:HA3	1.83	0.79
1:W:314:LYS:HG3	1:W:410:THR:HG22	1.63	0.79
1:d:314:LYS:HG3	1:d:410:THR:HG22	1.63	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Kh:36:THR:CB	2:Kh:103:LEU:O	2.30	0.79
2:Rh:36:THR:CB	2:Rh:103:LEU:O	2.30	0.79
2:bh:36:THR:CB	2:bh:103:LEU:O	2.30	0.79
2:jh:36:THR:CB	2:jh:103:LEU:O	2.30	0.79
2:jh:106:VAL:CG2	2:jh:110:ASP:HB2	2.11	0.79
2:nh:25:GLU:OE2	2:nh:144:GLY:HA3	1.83	0.79
2:oh:25:GLU:OE2	2:oh:144:GLY:HA3	1.83	0.79
2:lh:25:GLU:OE2	2:lh:144:GLY:HA3	1.83	0.79
1:P:314:LYS:HG3	1:P:410:THR:HG22	1.63	0.79
2:Ch:25:GLU:OE2	2:Ch:144:GLY:HA3	1.83	0.79
2:Dh:25:GLU:OE2	2:Dh:144:GLY:HA3	1.83	0.79
2:Dh:36:THR:CB	2:Dh:103:LEU:O	2.30	0.79
2:rh:36:THR:CB	2:rh:103:LEU:O	2.30	0.79
2:th:36:THR:CB	2:th:103:LEU:O	2.30	0.79
2:xh:25:GLU:OE2	2:xh:144:GLY:HA3	1.83	0.79
2:yh:36:THR:CB	2:yh:103:LEU:O	2.30	0.79
1:E:314:LYS:HG3	1:E:410:THR:HG22	1.63	0.79
1:I:314:LYS:HG3	1:I:410:THR:HG22	1.63	0.79
1:O:314:LYS:HG3	1:O:410:THR:HG22	1.63	0.79
2:Ch:36:THR:CB	2:Ch:103:LEU:O	2.30	0.79
2:Qh:25:GLU:OE2	2:Qh:144:GLY:HA3	1.83	0.79
2:yh:25:GLU:OE2	2:yh:144:GLY:HA3	1.83	0.79
1:G:314:LYS:HG3	1:G:410:THR:HG22	1.63	0.79
2:Ah:25:GLU:OE2	2:Ah:144:GLY:HA3	1.83	0.79
2:Gh:25:GLU:OE2	2:Gh:144:GLY:HA3	1.83	0.79
2:Mh:25:GLU:OE2	2:Mh:144:GLY:HA3	1.83	0.79
2:Zh:25:GLU:OE2	2:Zh:144:GLY:HA3	1.83	0.79
2:xh:36:THR:CB	2:xh:103:LEU:O	2.30	0.79
2:Nh:37:LEU:HD21	2:Nh:149:VAL:CG1	2.13	0.78
2:Oh:25:GLU:OE2	2:Oh:144:GLY:HA3	1.83	0.78
2:bh:25:GLU:OE2	2:bh:144:GLY:HA3	1.83	0.78
2:jh:25:GLU:OE2	2:jh:144:GLY:HA3	1.83	0.78
2:rh:25:GLU:OE2	2:rh:144:GLY:HA3	1.83	0.78
2:6h:25:GLU:OE2	2:6h:144:GLY:HA3	1.83	0.78
2:Fh:37:LEU:HD21	2:Fh:149:VAL:CG1	2.13	0.78
2:Yh:25:GLU:OE2	2:Yh:144:GLY:HA3	1.83	0.78
2:Zh:37:LEU:HD21	2:Zh:149:VAL:CG1	2.13	0.78
2:ih:25:GLU:OE2	2:ih:144:GLY:HA3	1.83	0.78
2:6h:37:LEU:HD21	2:6h:149:VAL:CG1	2.13	0.78
1:U:314:LYS:HG3	1:U:410:THR:HG22	1.63	0.78
2:Xh:37:LEU:HD21	2:Xh:149:VAL:CG1	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:th:25:GLU:OE2	2:th:144:GLY:HA3	1.83	0.78
1:h:314:LYS:HG3	1:h:410:THR:HG22	1.63	0.78
2:Hh:25:GLU:OE2	2:Hh:144:GLY:HA3	1.83	0.78
2:Jh:37:LEU:HD21	2:Jh:149:VAL:CG1	2.13	0.78
2:Sh:25:GLU:OE2	2:Sh:144:GLY:HA3	1.83	0.78
2:Uh:25:GLU:OE2	2:Uh:144:GLY:HA3	1.83	0.78
2:Wh:25:GLU:OE2	2:Wh:144:GLY:HA3	1.83	0.78
2:oh:37:LEU:HD21	2:oh:149:VAL:CG1	2.13	0.78
2:vh:37:LEU:HD21	2:vh:149:VAL:CG1	2.13	0.78
1:A:314:LYS:HG3	1:A:410:THR:HG22	1.63	0.78
1:u:324:THR:OG1	2:uh:130:THR:HG22	1.84	0.78
2:Ih:25:GLU:OE2	2:Ih:144:GLY:HA3	1.83	0.78
2:Lh:25:GLU:OE2	2:Lh:144:GLY:HA3	1.83	0.78
2:ah:37:LEU:HD21	2:ah:149:VAL:CG1	2.13	0.78
2:hh:25:GLU:OE2	2:hh:144:GLY:HA3	1.83	0.78
2:mh:25:GLU:OE2	2:mh:144:GLY:HA3	1.83	0.78
2:Fh:25:GLU:OE2	2:Fh:144:GLY:HA3	1.83	0.78
2:fh:25:GLU:OE2	2:fh:144:GLY:HA3	1.83	0.78
2:7h:37:LEU:HD21	2:7h:149:VAL:CG1	2.13	0.78
2:Rh:25:GLU:OE2	2:Rh:144:GLY:HA3	1.83	0.78
2:ah:25:GLU:OE2	2:ah:144:GLY:HA3	1.83	0.78
2:0h:25:GLU:OE2	2:0h:144:GLY:HA3	1.83	0.78
1:b:314:LYS:HG3	1:b:410:THR:HG22	1.63	0.78
2:Nh:25:GLU:OE2	2:Nh:144:GLY:HA3	1.83	0.78
2:Vh:25:GLU:OE2	2:Vh:144:GLY:HA3	1.83	0.78
2:kh:25:GLU:OE2	2:kh:144:GLY:HA3	1.83	0.78
2:sh:25:GLU:OE2	2:sh:144:GLY:HA3	1.83	0.78
1:7:314:LYS:HG3	1:7:410:THR:HG22	1.63	0.78
2:Jh:25:GLU:OE2	2:Jh:144:GLY:HA3	1.83	0.78
2:Kh:25:GLU:OE2	2:Kh:144:GLY:HA3	1.83	0.78
2:Xh:25:GLU:OE2	2:Xh:144:GLY:HA3	1.83	0.78
2:ph:37:LEU:HD21	2:ph:149:VAL:CG1	2.13	0.78
2:4h:25:GLU:OE2	2:4h:144:GLY:HA3	1.83	0.78
2:7h:25:GLU:OE2	2:7h:144:GLY:HA3	1.83	0.78
1:a:314:LYS:HG3	1:a:410:THR:HG22	1.63	0.78
2:dh:25:GLU:OE2	2:dh:144:GLY:HA3	1.83	0.78
2:uh:25:GLU:OE2	2:uh:144:GLY:HA3	1.83	0.78
2:lh:37:LEU:HD21	2:lh:149:VAL:CG1	2.13	0.77
2:qh:25:GLU:OE2	2:qh:144:GLY:HA3	1.83	0.77
2:wh:37:LEU:HD21	2:wh:149:VAL:CG1	2.13	0.77
2:Ph:25:GLU:OE2	2:Ph:144:GLY:HA3	1.83	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Vh:106:VAL:HG23	2:Vh:110:ASP:CB	2.15	0.77
2:fh:37:LEU:HD21	2:fh:149:VAL:CG1	2.13	0.77
2:2h:37:LEU:HD21	2:2h:149:VAL:CG1	2.13	0.77
2:Dh:106:VAL:HG23	2:Dh:110:ASP:CB	2.15	0.77
2:Sh:106:VAL:HG23	2:Sh:110:ASP:CB	2.15	0.77
2:eh:25:GLU:OE2	2:eh:144:GLY:HA3	1.83	0.77
2:fh:106:VAL:HG23	2:fh:110:ASP:CB	2.15	0.77
2:wh:25:GLU:OE2	2:wh:144:GLY:HA3	1.83	0.77
2:yh:106:VAL:HG23	2:yh:110:ASP:CB	2.15	0.77
2:Eh:25:GLU:OE2	2:Eh:144:GLY:HA3	1.83	0.77
2:Hh:106:VAL:HG23	2:Hh:110:ASP:CB	2.15	0.77
2:Lh:106:VAL:HG23	2:Lh:110:ASP:CB	2.15	0.77
2:Rh:106:VAL:HG23	2:Rh:110:ASP:CB	2.15	0.77
2:Vh:37:LEU:HD21	2:Vh:149:VAL:CG1	2.13	0.77
2:Wh:106:VAL:HG23	2:Wh:110:ASP:CB	2.15	0.77
2:Yh:106:VAL:HG23	2:Yh:110:ASP:CB	2.15	0.77
2:kh:106:VAL:HG23	2:kh:110:ASP:CB	2.15	0.77
2:sh:106:VAL:HG23	2:sh:110:ASP:CB	2.15	0.77
2:5h:25:GLU:OE2	2:5h:144:GLY:HA3	1.83	0.77
2:Bh:25:GLU:OE2	2:Bh:144:GLY:HA3	1.83	0.77
2:Kh:106:VAL:HG23	2:Kh:110:ASP:CB	2.15	0.77
2:gh:25:GLU:OE2	2:gh:144:GLY:HA3	1.83	0.77
2:ih:106:VAL:HG23	2:ih:110:ASP:CB	2.15	0.77
2:ph:25:GLU:OE2	2:ph:144:GLY:HA3	1.83	0.77
2:th:106:VAL:HG23	2:th:110:ASP:CB	2.15	0.77
2:7h:106:VAL:HG23	2:7h:110:ASP:CB	2.15	0.77
2:Ih:106:VAL:HG23	2:Ih:110:ASP:CB	2.15	0.77
2:ah:106:VAL:HG23	2:ah:110:ASP:CB	2.15	0.77
2:dh:106:VAL:HG23	2:dh:110:ASP:CB	2.15	0.77
2:wh:106:VAL:HG23	2:wh:110:ASP:CB	2.15	0.77
2:3h:25:GLU:OE2	2:3h:144:GLY:HA3	1.83	0.77
2:Dh:106:VAL:CG2	2:Dh:110:ASP:OD2	2.33	0.77
2:Rh:106:VAL:CG2	2:Rh:110:ASP:OD2	2.33	0.77
2:Th:25:GLU:OE2	2:Th:144:GLY:HA3	1.83	0.77
2:lh:25:GLU:OE2	2:lh:144:GLY:HA3	1.83	0.77
2:ph:106:VAL:CG2	2:ph:110:ASP:OD2	2.33	0.77
2:wh:106:VAL:CG2	2:wh:110:ASP:OD2	2.33	0.77
2:zh:25:GLU:OE2	2:zh:144:GLY:HA3	1.83	0.77
2:4h:106:VAL:HG23	2:4h:110:ASP:CB	2.15	0.77
1:x:324:THR:OG1	2:xh:130:THR:HG22	1.85	0.77
2:Ch:106:VAL:CG2	2:Ch:110:ASP:OD2	2.33	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Eh:37:LEU:HD21	2:Eh:149:VAL:CG1	2.13	0.77
2:Fh:106:VAL:CG2	2:Fh:110:ASP:OD2	2.33	0.77
2:Kh:106:VAL:CG2	2:Kh:110:ASP:OD2	2.33	0.77
2:Nh:106:VAL:CG2	2:Nh:110:ASP:OD2	2.33	0.77
2:ch:25:GLU:OE2	2:ch:144:GLY:HA3	1.83	0.77
2:ph:106:VAL:HG23	2:ph:110:ASP:CB	2.15	0.77
2:uh:37:LEU:HD21	2:uh:149:VAL:CG1	2.13	0.77
2:xh:106:VAL:CG2	2:xh:110:ASP:OD2	2.33	0.77
2:yh:106:VAL:CG2	2:yh:110:ASP:OD2	2.33	0.77
1:6:324:THR:OG1	2:6h:130:THR:HG22	1.85	0.77
2:Oh:106:VAL:HG23	2:Oh:110:ASP:CB	2.15	0.77
2:jh:106:VAL:CG2	2:jh:110:ASP:OD2	2.33	0.77
2:mh:106:VAL:CG2	2:mh:110:ASP:OD2	2.33	0.77
2:qh:37:LEU:HD21	2:qh:149:VAL:CG1	2.13	0.77
2:0h:106:VAL:CG2	2:0h:110:ASP:OD2	2.33	0.77
2:7h:106:VAL:CG2	2:7h:110:ASP:OD2	2.33	0.77
1:X:614:GLN:HE22	1:X:725:PRO:HA	1.50	0.77
1:Z:324:THR:OG1	2:Zh:130:THR:HG22	1.85	0.77
1:a:614:GLN:HE22	1:a:725:PRO:HA	1.50	0.77
1:7:614:GLN:HE22	1:7:725:PRO:HA	1.50	0.77
2:Gh:106:VAL:HG23	2:Gh:110:ASP:CB	2.15	0.77
2:Ph:37:LEU:HD21	2:Ph:149:VAL:CG1	2.13	0.77
2:Ph:106:VAL:HG23	2:Ph:110:ASP:CB	2.15	0.77
2:Th:106:VAL:HG23	2:Th:110:ASP:CB	2.15	0.77
2:bh:106:VAL:CG2	2:bh:110:ASP:OD2	2.33	0.77
2:gh:106:VAL:HG23	2:gh:110:ASP:CB	2.15	0.77
2:2h:25:GLU:OE2	2:2h:144:GLY:HA3	1.83	0.77
2:5h:106:VAL:HG23	2:5h:110:ASP:CB	2.15	0.77
3:Dl:53:ASN:ND2	3:Dl:88:LYS:HD2	2.00	0.77
3:Gl:53:ASN:ND2	3:Gl:88:LYS:HD2	2.00	0.77
3:Ol:53:ASN:ND2	3:Ol:88:LYS:HD2	2.00	0.77
3:Tl:53:ASN:ND2	3:Tl:88:LYS:HD2	2.00	0.77
3:dl:53:ASN:ND2	3:dl:88:LYS:HD2	2.00	0.77
3:gl:53:ASN:ND2	3:gl:88:LYS:HD2	2.00	0.77
3:yl:53:ASN:ND2	3:yl:88:LYS:HD2	2.00	0.77
3:4l:53:ASN:ND2	3:4l:88:LYS:HD2	2.00	0.77
1:C:614:GLN:HE22	1:C:725:PRO:HA	1.50	0.76
1:J:614:GLN:HE22	1:J:725:PRO:HA	1.50	0.76
1:L:324:THR:OG1	2:Lh:130:THR:HG22	1.85	0.76
1:S:324:THR:OG1	2:Sh:130:THR:HG22	1.85	0.76
1:j:614:GLN:HE22	1:j:725:PRO:HA	1.51	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:l:614:GLN:HE22	1:l:725:PRO:HA	1.50	0.76
1:r:614:GLN:HE22	1:r:725:PRO:HA	1.51	0.76
2:Ah:106:VAL:HG23	2:Ah:110:ASP:CB	2.15	0.76
2:Ah:106:VAL:CG2	2:Ah:110:ASP:OD2	2.33	0.76
2:Eh:106:VAL:HG23	2:Eh:110:ASP:CB	2.15	0.76
2:eh:106:VAL:HG23	2:eh:110:ASP:CB	2.15	0.76
2:lh:106:VAL:HG23	2:lh:110:ASP:CB	2.15	0.76
2:nh:106:VAL:CG2	2:nh:110:ASP:OD2	2.33	0.76
2:oh:106:VAL:HG23	2:oh:110:ASP:CB	2.15	0.76
2:vh:106:VAL:HG23	2:vh:110:ASP:CB	2.15	0.76
2:1h:106:VAL:CG2	2:1h:110:ASP:OD2	2.33	0.76
2:2h:106:VAL:HG23	2:2h:110:ASP:CB	2.15	0.76
3:Zl:53:ASN:ND2	3:Zl:88:LYS:HD2	2.00	0.76
3:cl:53:ASN:ND2	3:cl:88:LYS:HD2	2.00	0.76
3:6l:53:ASN:ND2	3:6l:88:LYS:HD2	2.00	0.76
1:G:614:GLN:HE22	1:G:725:PRO:HA	1.51	0.76
1:I:614:GLN:HE22	1:I:725:PRO:HA	1.50	0.76
1:Y:614:GLN:HE22	1:Y:725:PRO:HA	1.50	0.76
1:a:324:THR:OG1	2:ah:130:THR:HG22	1.85	0.76
1:e:324:THR:OG1	2:eh:130:THR:HG22	1.86	0.76
1:k:324:THR:OG1	2:kh:130:THR:HG22	1.86	0.76
1:q:324:THR:OG1	2:qh:130:THR:HG22	1.85	0.76
1:s:324:THR:OG1	2:sh:130:THR:HG22	1.86	0.76
1:x:614:GLN:HE22	1:x:725:PRO:HA	1.51	0.76
1:2:614:GLN:HE22	1:2:725:PRO:HA	1.50	0.76
1:5:324:THR:OG1	2:5h:130:THR:HG22	1.86	0.76
2:Bh:106:VAL:HG23	2:Bh:110:ASP:CG	2.11	0.76
2:Ih:37:LEU:HD21	2:Ih:149:VAL:CG1	2.13	0.76
2:Mh:106:VAL:HG23	2:Mh:110:ASP:CB	2.15	0.76
2:bh:106:VAL:HG23	2:bh:110:ASP:CB	2.15	0.76
2:nh:106:VAL:HG23	2:nh:110:ASP:CB	2.15	0.76
2:vh:106:VAL:HG23	2:vh:110:ASP:CG	2.11	0.76
2:zh:106:VAL:HG23	2:zh:110:ASP:CG	2.11	0.76
2:1h:106:VAL:HG23	2:1h:110:ASP:CB	2.15	0.76
3:Bl:53:ASN:ND2	3:Bl:88:LYS:HD2	2.00	0.76
3:Nl:53:ASN:ND2	3:Nl:88:LYS:HD2	2.00	0.76
3:Ul:53:ASN:ND2	3:Ul:88:LYS:HD2	2.00	0.76
3:ql:53:ASN:ND2	3:ql:88:LYS:HD2	2.00	0.76
3:3l:53:ASN:ND2	3:3l:88:LYS:HD2	2.00	0.76
1:O:614:GLN:HE22	1:O:725:PRO:HA	1.51	0.76
1:Q:614:GLN:HE22	1:Q:725:PRO:HA	1.51	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:614:GLN:HE22	1:W:725:PRO:HA	1.50	0.76
1:m:324:THR:OG1	2:mh:130:THR:HG22	1.86	0.76
1:t:324:THR:OG1	2:th:130:THR:HG22	1.85	0.76
1:7:324:THR:OG1	2:7h:130:THR:HG22	1.85	0.76
2:Zh:106:VAL:HG23	2:Zh:110:ASP:CB	2.15	0.76
2:ch:106:VAL:HG23	2:ch:110:ASP:CB	2.15	0.76
2:ph:106:VAL:HG23	2:ph:110:ASP:CG	2.11	0.76
2:wh:106:VAL:HG23	2:wh:110:ASP:CG	2.11	0.76
2:xh:106:VAL:HG23	2:xh:110:ASP:CB	2.15	0.76
2:0h:106:VAL:HG23	2:0h:110:ASP:CG	2.10	0.76
2:4h:106:VAL:HG23	2:4h:110:ASP:CG	2.11	0.76
3:Fl:53:ASN:ND2	3:Fl:88:LYS:HD2	2.00	0.76
3:Ml:53:ASN:ND2	3:Ml:88:LYS:HD2	2.00	0.76
3:Ql:53:ASN:ND2	3:Ql:88:LYS:HD2	2.00	0.76
3:Xl:53:ASN:ND2	3:Xl:88:LYS:HD2	2.00	0.76
3:al:53:ASN:ND2	3:al:88:LYS:HD2	2.00	0.76
3:hl:53:ASN:ND2	3:hl:88:LYS:HD2	2.00	0.76
3:ol:53:ASN:ND2	3:ol:88:LYS:HD2	2.00	0.76
3:ul:53:ASN:ND2	3:ul:88:LYS:HD2	2.00	0.76
3:7l:53:ASN:ND2	3:7l:88:LYS:HD2	2.00	0.76
1:B:324:THR:OG1	2:Bh:130:THR:HG22	1.85	0.76
1:H:614:GLN:HE22	1:H:725:PRO:HA	1.50	0.76
1:M:614:GLN:HE22	1:M:725:PRO:HA	1.51	0.76
1:t:614:GLN:HE22	1:t:725:PRO:HA	1.51	0.76
1:z:324:THR:OG1	2:zh:130:THR:HG22	1.85	0.76
1:0:324:THR:OG1	2:0h:130:THR:HG22	1.86	0.76
2:Qh:106:VAL:HG23	2:Qh:110:ASP:CB	2.15	0.76
2:dh:106:VAL:HG23	2:dh:110:ASP:CG	2.11	0.76
2:jh:106:VAL:HG23	2:jh:110:ASP:CB	2.15	0.76
2:mh:106:VAL:HG23	2:mh:110:ASP:CG	2.10	0.76
2:oh:106:VAL:HG23	2:oh:110:ASP:CG	2.11	0.76
2:rh:106:VAL:HG23	2:rh:110:ASP:CB	2.15	0.76
2:vh:106:VAL:CG2	2:vh:110:ASP:CB	2.64	0.76
2:6h:106:VAL:HG23	2:6h:110:ASP:CB	2.15	0.76
3:Jl:53:ASN:ND2	3:Jl:88:LYS:HD2	2.00	0.76
3:vl:53:ASN:ND2	3:vl:88:LYS:HD2	2.00	0.76
3:zl:53:ASN:ND2	3:zl:88:LYS:HD2	2.00	0.76
1:b:324:THR:OG1	2:bh:130:THR:HG22	1.86	0.76
1:i:324:THR:OG1	2:ih:130:THR:HG22	1.85	0.76
1:w:324:THR:OG1	2:wh:130:THR:HG22	1.85	0.76
2:Ch:106:VAL:HG23	2:Ch:110:ASP:CB	2.15	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Jh:106:VAL:HG23	2:Jh:110:ASP:CB	2.15	0.76
2:Th:106:VAL:CG2	2:Th:110:ASP:OD2	2.33	0.76
2:Wh:37:LEU:HD21	2:Wh:149:VAL:CG1	2.13	0.76
2:kh:37:LEU:HD21	2:kh:149:VAL:CG1	2.13	0.76
2:sh:37:LEU:HD21	2:sh:149:VAL:CG1	2.13	0.76
2:2h:106:VAL:CG2	2:2h:110:ASP:CB	2.64	0.76
2:3h:106:VAL:HG23	2:3h:110:ASP:CB	2.15	0.76
2:6h:106:VAL:HG23	2:6h:110:ASP:CG	2.11	0.76
3:pl:53:ASN:ND2	3:pl:88:LYS:HD2	2.00	0.76
1:d:324:THR:OG1	2:dh:130:THR:HG22	1.85	0.76
1:i:614:GLN:HE22	1:i:725:PRO:HA	1.51	0.76
1:w:614:GLN:HE22	1:w:725:PRO:HA	1.51	0.76
2:Bh:106:VAL:HG23	2:Bh:110:ASP:CB	2.15	0.76
2:Dh:106:VAL:HG23	2:Dh:110:ASP:CG	2.11	0.76
2:Eh:106:VAL:CG2	2:Eh:110:ASP:CB	2.64	0.76
2:Nh:106:VAL:HG23	2:Nh:110:ASP:CB	2.15	0.76
2:Ph:106:VAL:CG2	2:Ph:110:ASP:CB	2.64	0.76
2:Uh:37:LEU:HD21	2:Uh:149:VAL:CG1	2.13	0.76
2:Xh:106:VAL:HG23	2:Xh:110:ASP:CB	2.15	0.76
2:Zh:106:VAL:HG23	2:Zh:110:ASP:CG	2.11	0.76
2:bh:106:VAL:HG23	2:bh:110:ASP:CG	2.11	0.76
2:ch:106:VAL:CG2	2:ch:110:ASP:CB	2.64	0.76
2:gh:106:VAL:CG2	2:gh:110:ASP:OD2	2.33	0.76
2:lh:106:VAL:CG2	2:lh:110:ASP:CB	2.64	0.76
2:oh:106:VAL:CG2	2:oh:110:ASP:CB	2.64	0.76
2:yh:106:VAL:HG23	2:yh:110:ASP:CG	2.11	0.76
2:0h:106:VAL:HG23	2:0h:110:ASP:CB	2.15	0.76
2:3h:106:VAL:CG2	2:3h:110:ASP:CB	2.64	0.76
3:kl:53:ASN:ND2	3:kl:88:LYS:HD2	2.00	0.76
3:sl:53:ASN:ND2	3:sl:88:LYS:HD2	2.00	0.76
3:wl:53:ASN:ND2	3:wl:88:LYS:HD2	2.00	0.76
1:C:324:THR:OG1	2:Ch:130:THR:HG22	1.86	0.76
1:Z:614:GLN:HE22	1:Z:725:PRO:HA	1.51	0.76
1:h:324:THR:OG1	2:hh:130:THR:HG22	1.85	0.76
1:n:324:THR:OG1	2:nh:130:THR:HG22	1.86	0.76
1:p:324:THR:OG1	2:ph:130:THR:HG22	1.85	0.76
2:Ah:106:VAL:HG23	2:Ah:110:ASP:CG	2.11	0.76
2:Gh:106:VAL:CG2	2:Gh:110:ASP:OD2	2.33	0.76
2:Sh:106:VAL:HG23	2:Sh:110:ASP:CG	2.11	0.76
2:Vh:106:VAL:HG23	2:Vh:110:ASP:CG	2.11	0.76
2:fh:106:VAL:HG23	2:fh:110:ASP:CG	2.11	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:kh:106:VAL:HG23	2:kh:110:ASP:CG	2.11	0.76
2:qh:106:VAL:HG23	2:qh:110:ASP:CB	2.15	0.76
2:qh:106:VAL:CG2	2:qh:110:ASP:CB	2.64	0.76
2:uh:106:VAL:CG2	2:uh:110:ASP:CB	2.64	0.76
2:zh:106:VAL:HG23	2:zh:110:ASP:CB	2.15	0.76
3:Al:53:ASN:ND2	3:Al:88:LYS:HD2	2.00	0.76
3:Kl:53:ASN:ND2	3:Kl:88:LYS:HD2	2.00	0.76
1:D:614:GLN:HE22	1:D:725:PRO:HA	1.51	0.76
1:d:614:GLN:HE22	1:d:725:PRO:HA	1.50	0.76
1:p:614:GLN:HE22	1:p:725:PRO:HA	1.51	0.76
1:1:324:THR:OG1	2:1h:130:THR:HG22	1.86	0.76
1:3:324:THR:OG1	2:3h:130:THR:HG22	1.85	0.76
1:4:324:THR:OG1	2:4h:130:THR:HG22	1.85	0.76
2:Fh:106:VAL:HG23	2:Fh:110:ASP:CB	2.15	0.76
2:Lh:106:VAL:HG23	2:Lh:110:ASP:CG	2.11	0.76
2:Nh:106:VAL:CG2	2:Nh:110:ASP:CB	2.64	0.76
2:Oh:36:THR:CA	2:Oh:103:LEU:O	2.34	0.76
2:gh:106:VAL:HG23	2:gh:110:ASP:CG	2.11	0.76
2:kh:106:VAL:CG2	2:kh:110:ASP:CB	2.64	0.76
2:kh:106:VAL:CG2	2:kh:110:ASP:OD2	2.33	0.76
2:lh:106:VAL:CG2	2:lh:110:ASP:OD2	2.33	0.76
2:mh:106:VAL:HG23	2:mh:110:ASP:CB	2.15	0.76
2:nh:106:VAL:CG2	2:nh:110:ASP:CB	2.64	0.76
2:sh:106:VAL:CG2	2:sh:110:ASP:CB	2.64	0.76
2:sh:106:VAL:CG2	2:sh:110:ASP:OD2	2.33	0.76
2:uh:106:VAL:HG23	2:uh:110:ASP:CB	2.15	0.76
2:2h:106:VAL:CG2	2:2h:110:ASP:OD2	2.33	0.76
2:5h:106:VAL:CG2	2:5h:110:ASP:CB	2.64	0.76
3:Hl:53:ASN:ND2	3:Hl:88:LYS:HD2	2.00	0.76
3:Rl:53:ASN:ND2	3:Rl:88:LYS:HD2	2.00	0.76
3:bl:53:ASN:ND2	3:bl:88:LYS:HD2	2.00	0.76
3:jl:53:ASN:ND2	3:jl:88:LYS:HD2	2.00	0.76
1:U:324:THR:OG1	2:Uh:130:THR:HG22	1.85	0.76
1:c:324:THR:OG1	2:ch:130:THR:HG22	1.85	0.76
1:6:614:GLN:HE22	1:6:725:PRO:HA	1.51	0.76
2:Ah:36:THR:CA	2:Ah:103:LEU:O	2.34	0.76
2:Fh:106:VAL:CG2	2:Fh:110:ASP:CB	2.64	0.76
2:Gh:36:THR:CA	2:Gh:103:LEU:O	2.34	0.76
2:Hh:36:THR:CA	2:Hh:103:LEU:O	2.34	0.76
2:Kh:106:VAL:HG23	2:Kh:110:ASP:CG	2.11	0.76
2:Lh:106:VAL:CG2	2:Lh:110:ASP:CB	2.64	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Oh:106:VAL:CG2	2:Oh:110:ASP:OD2	2.33	0.76
2:Ph:36:THR:CA	2:Ph:103:LEU:O	2.34	0.76
2:Rh:36:THR:CA	2:Rh:103:LEU:O	2.34	0.76
2:Rh:106:VAL:HG23	2:Rh:110:ASP:CG	2.11	0.76
2:Th:106:VAL:HG23	2:Th:110:ASP:CG	2.11	0.76
2:Vh:106:VAL:CG2	2:Vh:110:ASP:CB	2.64	0.76
2:Yh:36:THR:CA	2:Yh:103:LEU:O	2.34	0.76
2:bh:36:THR:CA	2:bh:103:LEU:O	2.34	0.76
2:dh:106:VAL:CG2	2:dh:110:ASP:CB	2.64	0.76
2:eh:106:VAL:CG2	2:eh:110:ASP:CB	2.64	0.76
2:fh:106:VAL:CG2	2:fh:110:ASP:CB	2.64	0.76
2:hh:37:LEU:HD21	2:hh:149:VAL:CG1	2.13	0.76
2:sh:106:VAL:HG23	2:sh:110:ASP:CG	2.11	0.76
2:1h:106:VAL:CG2	2:1h:110:ASP:CB	2.64	0.76
3:Yl:53:ASN:ND2	3:Yl:88:LYS:HD2	2.00	0.76
3:rl:53:ASN:ND2	3:rl:88:LYS:HD2	2.00	0.76
1:J:324:THR:OG1	2:Jh:130:THR:HG22	1.86	0.76
1:L:614:GLN:HE22	1:L:725:PRO:HA	1.51	0.76
1:S:614:GLN:HE22	1:S:725:PRO:HA	1.51	0.76
1:T:324:THR:OG1	2:Th:130:THR:HG22	1.86	0.76
1:o:614:GLN:HE22	1:o:725:PRO:HA	1.50	0.76
1:s:614:GLN:HE22	1:s:725:PRO:HA	1.51	0.76
1:v:324:THR:OG1	2:vh:130:THR:HG22	1.86	0.76
1:y:614:GLN:HE22	1:y:725:PRO:HA	1.51	0.76
1:3:614:GLN:HE22	1:3:725:PRO:HA	1.51	0.76
1:4:614:GLN:HE22	1:4:725:PRO:HA	1.50	0.76
2:Dh:106:VAL:CG2	2:Dh:110:ASP:CB	2.64	0.76
2:Eh:36:THR:CA	2:Eh:103:LEU:O	2.34	0.76
2:Eh:106:VAL:CG2	2:Eh:110:ASP:OD2	2.33	0.76
2:Hh:106:VAL:HG23	2:Hh:110:ASP:CG	2.10	0.76
2:Jh:36:THR:CA	2:Jh:103:LEU:O	2.34	0.76
2:Kh:36:THR:CA	2:Kh:103:LEU:O	2.34	0.76
2:Ph:106:VAL:CG2	2:Ph:110:ASP:OD2	2.33	0.76
2:Sh:106:VAL:CG2	2:Sh:110:ASP:CB	2.64	0.76
2:Uh:106:VAL:CG2	2:Uh:110:ASP:CB	2.64	0.76
2:Wh:106:VAL:HG23	2:Wh:110:ASP:CG	2.10	0.76
2:Xh:36:THR:CA	2:Xh:103:LEU:O	2.34	0.76
2:Xh:106:VAL:HG23	2:Xh:110:ASP:CG	2.11	0.76
2:Yh:106:VAL:HG23	2:Yh:110:ASP:CG	2.11	0.76
2:dh:37:LEU:HD21	2:dh:149:VAL:CG1	2.13	0.76
2:hh:106:VAL:CG2	2:hh:110:ASP:CB	2.64	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ih:106:VAL:HG23	2:ih:110:ASP:CG	2.11	0.76
2:qh:36:THR:CA	2:qh:103:LEU:O	2.34	0.76
2:uh:36:THR:CA	2:uh:103:LEU:O	2.34	0.76
2:yh:106:VAL:CG2	2:yh:110:ASP:CB	2.64	0.76
2:zh:106:VAL:CG2	2:zh:110:ASP:OD2	2.33	0.76
2:0h:106:VAL:CG2	2:0h:110:ASP:CB	2.64	0.76
2:4h:106:VAL:CG2	2:4h:110:ASP:CB	2.64	0.76
3:Il:53:ASN:ND2	3:Il:88:LYS:HD2	2.00	0.76
3:xl:53:ASN:ND2	3:xl:88:LYS:HD2	2.00	0.76
1:R:324:THR:OG1	2:Rh:130:THR:HG22	1.86	0.75
1:T:614:GLN:HE22	1:T:725:PRO:HA	1.50	0.75
1:X:324:THR:OG1	2:Xh:130:THR:HG22	1.86	0.75
1:c:614:GLN:HE22	1:c:725:PRO:HA	1.51	0.75
1:5:614:GLN:HE22	1:5:725:PRO:HA	1.50	0.75
2:Dh:37:LEU:HD21	2:Dh:149:VAL:CG1	2.13	0.75
2:Gh:106:VAL:CG2	2:Gh:110:ASP:CB	2.64	0.75
2:Hh:106:VAL:CG2	2:Hh:110:ASP:CB	2.64	0.75
2:Jh:106:VAL:HG23	2:Jh:110:ASP:CG	2.11	0.75
2:Rh:106:VAL:CG2	2:Rh:110:ASP:CB	2.64	0.75
2:Yh:106:VAL:CG2	2:Yh:110:ASP:OD2	2.33	0.75
2:Zh:106:VAL:CG2	2:Zh:110:ASP:OD2	2.33	0.75
2:dh:36:THR:CA	2:dh:103:LEU:O	2.34	0.75
2:eh:106:VAL:CG2	2:eh:110:ASP:OD2	2.33	0.75
2:gh:36:THR:CA	2:gh:103:LEU:O	2.34	0.75
2:hh:106:VAL:HG23	2:hh:110:ASP:CB	2.15	0.75
2:nh:106:VAL:HG23	2:nh:110:ASP:CG	2.11	0.75
2:yh:37:LEU:HD21	2:yh:149:VAL:CG1	2.13	0.75
2:zh:106:VAL:CG2	2:zh:110:ASP:CB	2.64	0.75
2:2h:36:THR:CA	2:2h:103:LEU:O	2.34	0.75
2:5h:106:VAL:CG2	2:5h:110:ASP:OD2	2.33	0.75
3:Cl:53:ASN:ND2	3:Cl:88:LYS:HD2	2.00	0.75
3:Pl:53:ASN:ND2	3:Pl:88:LYS:HD2	2.00	0.75
3:Wl:53:ASN:ND2	3:Wl:88:LYS:HD2	2.00	0.75
3:Il:53:ASN:ND2	3:Il:88:LYS:HD2	2.00	0.75
1:B:614:GLN:HE22	1:B:725:PRO:HA	1.50	0.75
1:e:614:GLN:HE22	1:e:725:PRO:HA	1.51	0.75
1:g:324:THR:OG1	2:gh:130:THR:HG22	1.86	0.75
1:j:324:THR:OG1	2:jh:130:THR:HG22	1.86	0.75
1:k:614:GLN:HE22	1:k:725:PRO:HA	1.51	0.75
1:v:614:GLN:HE22	1:v:725:PRO:HA	1.51	0.75
2:Ah:106:VAL:CG2	2:Ah:110:ASP:CB	2.64	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Bh:106:VAL:CG2	2:Bh:110:ASP:CB	2.64	0.75
2:Hh:106:VAL:CG2	2:Hh:110:ASP:OD2	2.33	0.75
2:Ih:106:VAL:HG23	2:Ih:110:ASP:CG	2.11	0.75
2:Kh:106:VAL:CG2	2:Kh:110:ASP:CB	2.64	0.75
2:Oh:106:VAL:CG2	2:Oh:110:ASP:CB	2.64	0.75
2:Ph:106:VAL:HG23	2:Ph:110:ASP:CG	2.11	0.75
2:Th:36:THR:CA	2:Th:103:LEU:O	2.34	0.75
2:Yh:106:VAL:CG2	2:Yh:110:ASP:CB	2.64	0.75
2:ah:106:VAL:CG2	2:ah:110:ASP:CB	2.64	0.75
2:bh:106:VAL:CG2	2:bh:110:ASP:CB	2.64	0.75
2:lh:36:THR:CA	2:lh:103:LEU:O	2.34	0.75
2:lh:106:VAL:HG23	2:lh:110:ASP:CG	2.11	0.75
2:mh:106:VAL:CG2	2:mh:110:ASP:CB	2.64	0.75
2:rh:37:LEU:HD21	2:rh:149:VAL:CG1	2.13	0.75
2:th:106:VAL:HG23	2:th:110:ASP:CG	2.11	0.75
2:1h:106:VAL:HG23	2:1h:110:ASP:CG	2.11	0.75
2:3h:36:THR:CA	2:3h:103:LEU:O	2.34	0.75
2:4h:36:THR:CA	2:4h:103:LEU:O	2.34	0.75
2:4h:37:LEU:HD21	2:4h:149:VAL:CG1	2.13	0.75
2:6h:106:VAL:CG2	2:6h:110:ASP:OD2	2.33	0.75
2:7h:106:VAL:CG2	2:7h:110:ASP:CB	2.64	0.75
3:El:53:ASN:ND2	3:El:88:LYS:HD2	2.00	0.75
3:Ll:53:ASN:ND2	3:Ll:88:LYS:HD2	2.00	0.75
3:5l:53:ASN:ND2	3:5l:88:LYS:HD2	2.00	0.75
1:E:614:GLN:HE22	1:E:725:PRO:HA	1.50	0.75
1:I:324:THR:OG1	2:Ih:130:THR:HG22	1.86	0.75
1:K:324:THR:OG1	2:Kh:130:THR:HG22	1.86	0.75
1:f:614:GLN:HE22	1:f:725:PRO:HA	1.50	0.75
1:l:324:THR:OG1	2:lh:130:THR:HG22	1.86	0.75
1:o:324:THR:OG1	2:oh:130:THR:HG22	1.86	0.75
1:r:324:THR:OG1	2:rh:130:THR:HG22	1.86	0.75
1:z:614:GLN:HE22	1:z:725:PRO:HA	1.51	0.75
2:Bh:36:THR:CA	2:Bh:103:LEU:O	2.34	0.75
2:Eh:106:VAL:HG23	2:Eh:110:ASP:CG	2.11	0.75
2:Mh:106:VAL:CG2	2:Mh:110:ASP:CB	2.64	0.75
2:Uh:106:VAL:HG23	2:Uh:110:ASP:CB	2.15	0.75
2:ch:36:THR:CA	2:ch:103:LEU:O	2.34	0.75
2:jh:106:VAL:CG2	2:jh:110:ASP:CB	2.64	0.75
2:ph:106:VAL:CG2	2:ph:110:ASP:CB	2.64	0.75
2:rh:106:VAL:CG2	2:rh:110:ASP:CB	2.64	0.75
2:wh:36:THR:CA	2:wh:103:LEU:O	2.34	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:zh:36:THR:CA	2:zh:103:LEU:O	2.34	0.75
2:2h:106:VAL:HG23	2:2h:110:ASP:CG	2.11	0.75
3:el:53:ASN:ND2	3:el:88:LYS:HD2	2.00	0.75
3:nl:53:ASN:ND2	3:nl:88:LYS:HD2	2.00	0.75
1:P:324:THR:OG1	2:Ph:130:THR:HG22	1.85	0.75
1:P:614:GLN:HE22	1:P:725:PRO:HA	1.51	0.75
1:f:324:THR:OG1	2:fh:130:THR:HG22	1.85	0.75
1:g:614:GLN:HE22	1:g:725:PRO:HA	1.50	0.75
1:2:324:THR:OG1	2:2h:130:THR:HG22	1.86	0.75
2:Jh:106:VAL:CG2	2:Jh:110:ASP:CB	2.64	0.75
2:Qh:106:VAL:CG2	2:Qh:110:ASP:CB	2.64	0.75
2:eh:106:VAL:HG23	2:eh:110:ASP:CG	2.11	0.75
2:ph:36:THR:CA	2:ph:103:LEU:O	2.34	0.75
2:th:106:VAL:CG2	2:th:110:ASP:CB	2.64	0.75
2:wh:106:VAL:CG2	2:wh:110:ASP:CB	2.64	0.75
2:5h:106:VAL:HG23	2:5h:110:ASP:CG	2.11	0.75
3:Sl:53:ASN:ND2	3:Sl:88:LYS:HD2	2.00	0.75
3:sl:53:ASN:O	3:sl:73:GLY:CA	2.35	0.75
1:E:324:THR:OG1	2:Eh:130:THR:HG22	1.85	0.75
1:H:324:THR:OG1	2:Hh:130:THR:HG22	1.86	0.75
1:Y:324:THR:OG1	2:Yh:130:THR:HG22	1.86	0.75
2:Ch:106:VAL:CG2	2:Ch:110:ASP:CB	2.64	0.75
2:Kh:37:LEU:HD21	2:Kh:149:VAL:CG1	2.13	0.75
2:Qh:106:VAL:CG2	2:Qh:110:ASP:OD2	2.33	0.75
2:Uh:106:VAL:CG2	2:Uh:110:ASP:OD2	2.33	0.75
2:Xh:106:VAL:CG2	2:Xh:110:ASP:CB	2.64	0.75
2:Xh:106:VAL:CG2	2:Xh:110:ASP:OD2	2.33	0.75
2:ih:36:THR:CA	2:ih:103:LEU:O	2.34	0.75
2:ih:106:VAL:CG2	2:ih:110:ASP:CB	2.64	0.75
2:jh:37:LEU:HD21	2:jh:149:VAL:CG1	2.13	0.75
2:7h:106:VAL:HG23	2:7h:110:ASP:CG	2.11	0.75
3:Al:53:ASN:O	3:Al:73:GLY:CA	2.35	0.75
3:bl:53:ASN:O	3:bl:73:GLY:CA	2.35	0.75
3:jl:53:ASN:O	3:jl:73:GLY:CA	2.35	0.75
3:kl:53:ASN:O	3:kl:73:GLY:CA	2.35	0.75
3:rl:53:ASN:O	3:rl:73:GLY:CA	2.35	0.75
1:O:324:THR:OG1	2:Oh:130:THR:HG22	1.86	0.75
1:V:324:THR:OG1	2:Vh:130:THR:HG22	1.85	0.75
1:W:324:THR:OG1	2:Wh:130:THR:HG22	1.86	0.75
2:Lh:36:THR:CA	2:Lh:103:LEU:O	2.34	0.75
2:ah:106:VAL:HG23	2:ah:110:ASP:CG	2.11	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:fh:106:VAL:CG2	2:fh:110:ASP:OD2	2.33	0.75
2:jh:106:VAL:HG23	2:jh:110:ASP:CG	2.11	0.75
2:qh:106:VAL:CG2	2:qh:110:ASP:OD2	2.33	0.75
2:rh:36:THR:CA	2:rh:103:LEU:O	2.34	0.75
2:rh:106:VAL:HG23	2:rh:110:ASP:CG	2.11	0.75
2:th:36:THR:CA	2:th:103:LEU:O	2.34	0.75
2:uh:106:VAL:CG2	2:uh:110:ASP:OD2	2.33	0.75
2:xh:106:VAL:CG2	2:xh:110:ASP:CB	2.64	0.75
3:ml:53:ASN:ND2	3:ml:88:LYS:HD2	2.00	0.75
3:3l:53:ASN:O	3:3l:73:GLY:CA	2.35	0.75
1:G:324:THR:OG1	2:Gh:130:THR:HG22	1.86	0.75
1:V:614:GLN:HE22	1:V:725:PRO:HA	1.51	0.75
2:Ih:36:THR:CA	2:Ih:103:LEU:O	2.34	0.75
2:Jh:106:VAL:CG2	2:Jh:110:ASP:OD2	2.33	0.75
2:Lh:106:VAL:CG2	2:Lh:110:ASP:OD2	2.33	0.75
2:Mh:106:VAL:CG2	2:Mh:110:ASP:OD2	2.33	0.75
2:Oh:106:VAL:HG23	2:Oh:110:ASP:CG	2.11	0.75
2:Sh:36:THR:CA	2:Sh:103:LEU:O	2.34	0.75
2:Vh:106:VAL:CG2	2:Vh:110:ASP:OD2	2.33	0.75
2:dh:106:VAL:CG2	2:dh:110:ASP:OD2	2.33	0.75
2:hh:106:VAL:CG2	2:hh:110:ASP:OD2	2.33	0.75
2:jh:36:THR:CA	2:jh:103:LEU:O	2.34	0.75
3:0l:53:ASN:ND2	3:0l:88:LYS:HD2	2.00	0.75
1:D:324:THR:OG1	2:Dh:130:THR:HG22	1.85	0.75
1:U:614:GLN:HE22	1:U:725:PRO:HA	1.51	0.75
2:Ch:106:VAL:HG23	2:Ch:110:ASP:CG	2.11	0.75
2:Qh:36:THR:CA	2:Qh:103:LEU:O	2.34	0.75
2:Rh:37:LEU:HD21	2:Rh:149:VAL:CG1	2.13	0.75
2:Sh:106:VAL:CG2	2:Sh:110:ASP:OD2	2.33	0.75
2:Th:106:VAL:CG2	2:Th:110:ASP:CB	2.64	0.75
2:Uh:36:THR:CA	2:Uh:103:LEU:O	2.34	0.75
2:Wh:36:THR:CA	2:Wh:103:LEU:O	2.34	0.75
2:ch:106:VAL:CG2	2:ch:110:ASP:OD2	2.33	0.75
2:gh:106:VAL:CG2	2:gh:110:ASP:CB	2.64	0.75
2:uh:106:VAL:HG23	2:uh:110:ASP:CG	2.11	0.75
2:xh:106:VAL:HG23	2:xh:110:ASP:CG	2.11	0.75
1:F:324:THR:OG1	2:Fh:130:THR:HG22	1.86	0.75
1:y:324:THR:OG1	2:yh:130:THR:HG22	1.85	0.75
2:Gh:106:VAL:HG23	2:Gh:110:ASP:CG	2.11	0.75
2:Nh:106:VAL:HG23	2:Nh:110:ASP:CG	2.11	0.75
2:ah:36:THR:CA	2:ah:103:LEU:O	2.34	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:bh:37:LEU:HD21	2:bh:149:VAL:CG1	2.13	0.75
2:qh:106:VAL:HG23	2:qh:110:ASP:CG	2.11	0.75
2:4h:106:VAL:CG2	2:4h:110:ASP:OD2	2.33	0.75
3:il:53:ASN:O	3:il:73:GLY:CA	2.35	0.75
3:il:53:ASN:ND2	3:il:88:LYS:HD2	2.00	0.75
3:2l:53:ASN:ND2	3:2l:88:LYS:HD2	2.00	0.75
1:K:614:GLN:HE22	1:K:725:PRO:HA	1.51	0.74
1:h:614:GLN:HE22	1:h:725:PRO:HA	1.51	0.74
2:Fh:106:VAL:HG23	2:Fh:110:ASP:CG	2.11	0.74
2:Mh:36:THR:CA	2:Mh:103:LEU:O	2.34	0.74
2:Mh:37:LEU:HD21	2:Mh:149:VAL:CG1	2.13	0.74
2:Zh:106:VAL:CG2	2:Zh:110:ASP:CB	2.64	0.74
2:hh:36:THR:CA	2:hh:103:LEU:O	2.34	0.74
2:0h:36:THR:CA	2:0h:103:LEU:O	2.34	0.74
2:7h:36:THR:CA	2:7h:103:LEU:O	2.34	0.74
3:Wl:53:ASN:O	3:Wl:73:GLY:CA	2.35	0.74
3:fl:53:ASN:O	3:fl:73:GLY:CA	2.35	0.74
3:zl:53:ASN:O	3:zl:73:GLY:CA	2.35	0.74
1:0:614:GLN:HE22	1:0:725:PRO:HA	1.50	0.74
2:Ah:37:LEU:HD21	2:Ah:149:VAL:CG1	2.13	0.74
2:Bh:106:VAL:CG2	2:Bh:110:ASP:OD2	2.33	0.74
2:mh:36:THR:CA	2:mh:103:LEU:O	2.34	0.74
2:3h:106:VAL:CG2	2:3h:110:ASP:OD2	2.33	0.74
2:6h:106:VAL:CG2	2:6h:110:ASP:CB	2.64	0.74
3:Bl:53:ASN:O	3:Bl:73:GLY:CA	2.35	0.74
3:Vl:53:ASN:ND2	3:Vl:88:LYS:HD2	2.00	0.74
3:tl:53:ASN:ND2	3:tl:88:LYS:HD2	2.00	0.74
1:N:324:THR:OG1	2:Nh:130:THR:HG22	1.86	0.74
1:R:614:GLN:HE22	1:R:725:PRO:HA	1.51	0.74
2:Ih:106:VAL:CG2	2:Ih:110:ASP:CB	2.64	0.74
2:Wh:106:VAL:CG2	2:Wh:110:ASP:OD2	2.33	0.74
2:6h:36:THR:CA	2:6h:103:LEU:O	2.34	0.74
3:El:53:ASN:O	3:El:73:GLY:CA	2.35	0.74
3:Vl:53:ASN:O	3:Vl:73:GLY:CA	2.35	0.74
3:fl:53:ASN:ND2	3:fl:88:LYS:HD2	2.00	0.74
3:ql:53:ASN:O	3:ql:73:GLY:CA	2.35	0.74
2:Hh:37:LEU:HD21	2:Hh:149:VAL:CG1	2.13	0.74
2:Mh:106:VAL:HG23	2:Mh:110:ASP:CG	2.11	0.74
2:Qh:37:LEU:HD21	2:Qh:149:VAL:CG1	2.13	0.74
2:Wh:106:VAL:CG2	2:Wh:110:ASP:CB	2.64	0.74
2:Yh:37:LEU:HD21	2:Yh:149:VAL:CG1	2.13	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Zh:36:THR:CA	2:Zh:103:LEU:O	2.34	0.74
2:nh:36:THR:CA	2:nh:103:LEU:O	2.34	0.74
2:vh:106:VAL:CG2	2:vh:110:ASP:OD2	2.33	0.74
2:5h:36:THR:CA	2:5h:103:LEU:O	2.34	0.74
3:Pl:53:ASN:O	3:Pl:73:GLY:CA	2.35	0.74
3:il:53:ASN:ND2	3:il:88:LYS:HD2	2.00	0.74
1:Q:324:THR:OG1	2:Qh:130:THR:HG22	1.85	0.74
1:n:614:GLN:HE22	1:n:725:PRO:HA	1.50	0.74
2:Fh:36:THR:CA	2:Fh:103:LEU:O	2.34	0.74
2:Ih:106:VAL:CG2	2:Ih:110:ASP:OD2	2.33	0.74
2:Uh:106:VAL:HG23	2:Uh:110:ASP:CG	2.11	0.74
2:Vh:36:THR:CA	2:Vh:103:LEU:O	2.34	0.74
2:ch:106:VAL:HG23	2:ch:110:ASP:CG	2.11	0.74
2:eh:36:THR:CA	2:eh:103:LEU:O	2.34	0.74
2:oh:36:THR:CA	2:oh:103:LEU:O	2.34	0.74
2:oh:106:VAL:CG2	2:oh:110:ASP:OD2	2.33	0.74
2:1h:36:THR:CA	2:1h:103:LEU:O	2.34	0.74
3:Zl:53:ASN:O	3:Zl:73:GLY:CA	2.35	0.74
3:6l:53:ASN:O	3:6l:73:GLY:CA	2.35	0.74
1:m:614:GLN:HE22	1:m:725:PRO:HA	1.50	0.74
2:Dh:36:THR:CA	2:Dh:103:LEU:O	2.34	0.74
2:Nh:36:THR:CA	2:Nh:103:LEU:O	2.34	0.74
2:Qh:106:VAL:HG23	2:Qh:110:ASP:CG	2.11	0.74
2:Sh:37:LEU:HD21	2:Sh:149:VAL:CG1	2.13	0.74
2:hh:106:VAL:HG23	2:hh:110:ASP:CG	2.11	0.74
2:xh:36:THR:CA	2:xh:103:LEU:O	2.34	0.74
2:3h:106:VAL:HG23	2:3h:110:ASP:CG	2.11	0.74
1:M:324:THR:OG1	2:Mh:130:THR:HG22	1.85	0.74
1:q:614:GLN:HE22	1:q:725:PRO:HA	1.51	0.74
1:u:614:GLN:HE22	1:u:725:PRO:HA	1.50	0.74
1:1:614:GLN:HE22	1:1:725:PRO:HA	1.50	0.74
2:Ch:36:THR:CA	2:Ch:103:LEU:O	2.34	0.74
2:fh:36:THR:CA	2:fh:103:LEU:O	2.34	0.74
2:vh:36:THR:CA	2:vh:103:LEU:O	2.34	0.74
2:yh:36:THR:CA	2:yh:103:LEU:O	2.34	0.74
3:Tl:53:ASN:O	3:Tl:73:GLY:CA	2.35	0.74
3:ol:53:ASN:O	3:ol:73:GLY:CA	2.35	0.74
3:gl:53:ASN:O	3:gl:73:GLY:CA	2.35	0.74
2:Lh:37:LEU:HD21	2:Lh:149:VAL:CG1	2.13	0.74
3:Sl:53:ASN:O	3:Sl:73:GLY:CA	2.35	0.74
3:vl:53:ASN:O	3:vl:73:GLY:CA	2.35	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:N:614:GLN:HE22	1:N:725:PRO:HA	1.50	0.74
2:Ch:37:LEU:HD21	2:Ch:149:VAL:CG1	2.13	0.74
2:sh:36:THR:CA	2:sh:103:LEU:O	2.34	0.74
3:Ll:53:ASN:O	3:Ll:73:GLY:CA	2.35	0.73
3:Ul:53:ASN:O	3:Ul:73:GLY:CA	2.35	0.73
2:kh:36:THR:CA	2:kh:103:LEU:O	2.34	0.73
3:el:53:ASN:O	3:el:73:GLY:CA	2.35	0.73
3:tl:53:ASN:O	3:tl:73:GLY:CA	2.35	0.73
1:F:614:GLN:HE22	1:F:725:PRO:HA	1.51	0.73
2:ah:106:VAL:CG2	2:ah:110:ASP:OD2	2.33	0.73
2:xh:37:LEU:HD21	2:xh:149:VAL:CG1	2.13	0.73
3:Ml:53:ASN:O	3:Ml:73:GLY:CA	2.35	0.73
3:hl:53:ASN:O	3:hl:73:GLY:CA	2.35	0.73
3:5l:53:ASN:O	3:5l:73:GLY:CA	2.35	0.73
2:Th:37:LEU:HD21	2:Th:149:VAL:CG1	2.13	0.73
2:gh:37:LEU:HD21	2:gh:149:VAL:CG1	2.13	0.73
3:Ql:53:ASN:O	3:Ql:73:GLY:CA	2.35	0.73
3:al:53:ASN:O	3:al:73:GLY:CA	2.35	0.73
3:il:53:ASN:O	3:il:73:GLY:CA	2.35	0.73
3:ml:53:ASN:O	3:ml:73:GLY:CA	2.35	0.73
3:ol:53:ASN:O	3:ol:73:GLY:CA	2.35	0.73
1:b:614:GLN:HE22	1:b:725:PRO:HA	1.51	0.73
2:rh:106:VAL:CG2	2:rh:110:ASP:OD2	2.33	0.73
2:Oh:37:LEU:HD21	2:Oh:149:VAL:CG1	2.13	0.73
2:th:37:LEU:HD21	2:th:149:VAL:CG1	2.13	0.73
2:zh:37:LEU:HD21	2:zh:149:VAL:CG1	2.13	0.73
2:0h:37:LEU:HD21	2:0h:149:VAL:CG1	2.13	0.73
3:Gl:53:ASN:O	3:Gl:73:GLY:CA	2.35	0.73
3:Ol:53:ASN:O	3:Ol:73:GLY:CA	2.35	0.73
3:7l:53:ASN:O	3:7l:73:GLY:CA	2.35	0.73
3:Kl:52:TYR:O	3:Kl:55:VAL:HG23	1.89	0.73
3:nl:52:TYR:O	3:nl:55:VAL:HG23	1.89	0.73
3:pl:53:ASN:O	3:pl:73:GLY:CA	2.35	0.73
3:wl:53:ASN:O	3:wl:73:GLY:CA	2.35	0.73
3:1l:52:TYR:O	3:1l:55:VAL:HG23	1.89	0.73
1:A:614:GLN:HE22	1:A:725:PRO:HA	1.51	0.73
2:Bh:37:LEU:HD21	2:Bh:149:VAL:CG1	2.13	0.73
3:Rl:52:TYR:O	3:Rl:55:VAL:HG23	1.89	0.73
3:Ul:52:TYR:O	3:Ul:55:VAL:HG23	1.89	0.73
3:hl:52:TYR:O	3:hl:55:VAL:HG23	1.89	0.73
3:ol:52:TYR:O	3:ol:55:VAL:HG23	1.89	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:vl:52:TYR:O	3:vl:55:VAL:HG23	1.89	0.73
2:Gh:37:LEU:HD21	2:Gh:149:VAL:CG1	2.13	0.73
2:mh:37:LEU:HD21	2:mh:149:VAL:CG1	2.13	0.73
3:Cl:53:ASN:O	3:Cl:73:GLY:CA	2.35	0.73
3:Ll:52:TYR:O	3:Ll:55:VAL:HG23	1.89	0.73
3:Sl:52:TYR:O	3:Sl:55:VAL:HG23	1.89	0.73
3:tl:52:TYR:O	3:tl:55:VAL:HG23	1.89	0.73
2:ih:37:LEU:HD21	2:ih:149:VAL:CG1	2.13	0.73
2:th:106:VAL:CG2	2:th:110:ASP:OD2	2.33	0.73
3:Bl:52:TYR:O	3:Bl:55:VAL:HG23	1.89	0.73
3:Fl:52:TYR:O	3:Fl:55:VAL:HG23	1.89	0.73
3:il:52:TYR:O	3:il:55:VAL:HG23	1.89	0.73
3:jl:52:TYR:O	3:jl:55:VAL:HG23	1.89	0.73
3:ll:53:ASN:O	3:ll:73:GLY:CA	2.35	0.73
1:I:555:GLU:OE1	1:I:555:GLU:N	2.19	0.72
1:W:555:GLU:OE1	1:W:555:GLU:N	2.20	0.72
3:Nl:52:TYR:O	3:Nl:55:VAL:HG23	1.89	0.72
3:fl:52:TYR:O	3:fl:55:VAL:HG23	1.89	0.72
3:nl:53:ASN:O	3:nl:73:GLY:CA	2.35	0.72
3:rl:52:TYR:O	3:rl:55:VAL:HG23	1.89	0.72
3:xl:53:ASN:O	3:xl:73:GLY:CA	2.35	0.72
3:zl:52:TYR:O	3:zl:55:VAL:HG23	1.89	0.72
3:Cl:52:TYR:O	3:Cl:55:VAL:HG23	1.89	0.72
3:Vl:52:TYR:O	3:Vl:55:VAL:HG23	1.89	0.72
3:ul:52:TYR:O	3:ul:55:VAL:HG23	1.89	0.72
3:xl:52:TYR:O	3:xl:55:VAL:HG23	1.89	0.72
3:ll:53:ASN:O	3:ll:73:GLY:CA	2.35	0.72
3:2l:53:ASN:O	3:2l:73:GLY:CA	2.35	0.72
1:q:555:GLU:OE1	1:q:555:GLU:N	2.19	0.72
2:ih:106:VAL:CG2	2:ih:110:ASP:OD2	2.33	0.72
3:Dl:52:TYR:O	3:Dl:55:VAL:HG23	1.89	0.72
3:ql:52:TYR:O	3:ql:55:VAL:HG23	1.89	0.72
2:kh:37:LEU:CD2	2:kh:149:VAL:HG11	2.16	0.72
3:Il:52:TYR:O	3:Il:55:VAL:HG23	1.89	0.72
3:Wl:52:TYR:O	3:Wl:55:VAL:HG23	1.89	0.72
3:al:52:TYR:O	3:al:55:VAL:HG23	1.89	0.72
3:pl:52:TYR:O	3:pl:55:VAL:HG23	1.89	0.72
3:yl:52:TYR:O	3:yl:55:VAL:HG23	1.89	0.72
3:7l:52:TYR:O	3:7l:55:VAL:HG23	1.89	0.72
1:U:555:GLU:OE1	1:U:555:GLU:N	2.19	0.72
1:h:555:GLU:OE1	1:h:555:GLU:N	2.19	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:wl:52:TYR:O	3:wl:55:VAL:HG23	1.89	0.72
1:A:322:GLU:OE1	2:Ah:130:THR:HB	1.90	0.72
2:zh:37:LEU:CD2	2:zh:149:VAL:HG11	2.16	0.72
3:Fl:53:ASN:O	3:Fl:73:GLY:CA	2.35	0.72
3:Xl:52:TYR:O	3:Xl:55:VAL:HG23	1.89	0.72
3:sl:52:TYR:O	3:sl:55:VAL:HG23	1.89	0.72
3:ol:52:TYR:O	3:ol:55:VAL:HG23	1.89	0.72
3:3l:52:TYR:O	3:3l:55:VAL:HG23	1.89	0.72
1:L:555:GLU:OE1	1:L:555:GLU:N	2.19	0.72
1:S:555:GLU:OE1	1:S:555:GLU:N	2.19	0.72
2:Jh:37:LEU:CD2	2:Jh:149:VAL:HG11	2.16	0.72
2:sh:37:LEU:CD2	2:sh:149:VAL:HG11	2.16	0.72
3:Jl:52:TYR:O	3:Jl:55:VAL:HG23	1.89	0.72
3:Ql:52:TYR:O	3:Ql:55:VAL:HG23	1.89	0.72
3:bl:52:TYR:O	3:bl:55:VAL:HG23	1.89	0.72
3:cl:52:TYR:O	3:cl:55:VAL:HG23	1.89	0.72
3:kl:52:TYR:O	3:kl:55:VAL:HG23	1.89	0.72
3:ml:52:TYR:O	3:ml:55:VAL:HG23	1.89	0.72
3:6l:52:TYR:O	3:6l:55:VAL:HG23	1.89	0.72
1:s:555:GLU:OE1	1:s:555:GLU:N	2.19	0.72
2:Xh:37:LEU:CD2	2:Xh:149:VAL:HG11	2.16	0.72
2:3h:37:LEU:HD21	2:3h:149:VAL:CG1	2.13	0.72
3:Hl:52:TYR:O	3:Hl:55:VAL:HG23	1.89	0.72
1:X:555:GLU:OE1	1:X:555:GLU:N	2.20	0.72
1:k:555:GLU:OE1	1:k:555:GLU:N	2.19	0.72
2:Bh:37:LEU:CD2	2:Bh:149:VAL:HG11	2.16	0.72
2:ch:37:LEU:HD21	2:ch:149:VAL:CG1	2.13	0.72
3:Al:52:TYR:O	3:Al:55:VAL:HG23	1.89	0.72
3:Mi:52:TYR:O	3:Mi:55:VAL:HG23	1.89	0.72
3:Nl:53:ASN:O	3:Nl:73:GLY:CA	2.35	0.72
3:Tl:52:TYR:O	3:Tl:55:VAL:HG23	1.89	0.72
3:Yl:52:TYR:O	3:Yl:55:VAL:HG23	1.89	0.72
3:Zl:52:TYR:O	3:Zl:55:VAL:HG23	1.89	0.72
3:5l:52:TYR:O	3:5l:55:VAL:HG23	1.89	0.72
2:ph:37:LEU:CD2	2:ph:149:VAL:HG11	2.16	0.71
3:El:52:TYR:O	3:El:55:VAL:HG23	1.89	0.71
3:Ll:110:CYS:O	3:Ll:122:GLY:N	2.23	0.71
3:Pl:52:TYR:O	3:Pl:55:VAL:HG23	1.89	0.71
3:Sl:110:CYS:O	3:Sl:122:GLY:N	2.23	0.71
3:Wl:110:CYS:O	3:Wl:122:GLY:N	2.23	0.71
3:ol:110:CYS:O	3:ol:122:GLY:N	2.23	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:555:GLU:OE1	1:C:555:GLU:N	2.19	0.71
2:eh:37:LEU:HD21	2:eh:149:VAL:CG1	2.13	0.71
2:wh:37:LEU:CD2	2:wh:149:VAL:HG11	2.16	0.71
2:5h:37:LEU:HD21	2:5h:149:VAL:CG1	2.13	0.71
3:Il:110:CYS:O	3:Il:122:GLY:N	2.23	0.71
3:Ol:52:TYR:O	3:Ol:55:VAL:HG23	1.89	0.71
3:el:52:TYR:O	3:el:55:VAL:HG23	1.89	0.71
3:gl:52:TYR:O	3:gl:55:VAL:HG23	1.89	0.71
3:vl:110:CYS:O	3:vl:122:GLY:N	2.23	0.71
1:M:555:GLU:OE1	1:M:555:GLU:N	2.19	0.71
1:a:555:GLU:OE1	1:a:555:GLU:N	2.19	0.71
1:m:555:GLU:OE1	1:m:555:GLU:N	2.20	0.71
2:Ah:37:LEU:CD2	2:Ah:149:VAL:HG11	2.16	0.71
2:ah:37:LEU:CD2	2:ah:149:VAL:HG11	2.16	0.71
2:bh:37:LEU:CD2	2:bh:149:VAL:HG11	2.16	0.71
2:qh:37:LEU:CD2	2:qh:149:VAL:HG11	2.16	0.71
3:jl:110:CYS:O	3:jl:122:GLY:N	2.23	0.71
3:rl:110:CYS:O	3:rl:122:GLY:N	2.23	0.71
3:ul:53:ASN:O	3:ul:73:GLY:CA	2.35	0.71
1:J:555:GLU:OE1	1:J:555:GLU:N	2.20	0.71
1:O:555:GLU:OE1	1:O:555:GLU:N	2.20	0.71
2:uh:39:LEU:HD13	2:uh:101:LEU:HD23	1.73	0.71
2:7h:37:LEU:CD2	2:7h:149:VAL:HG11	2.16	0.71
3:Gl:52:TYR:O	3:Gl:55:VAL:HG23	1.89	0.71
3:Il:52:TYR:O	3:Il:55:VAL:HG23	1.89	0.71
1:x:555:GLU:OE1	1:x:555:GLU:N	2.19	0.71
2:qh:39:LEU:HD13	2:qh:101:LEU:HD23	1.73	0.71
2:uh:37:LEU:CD2	2:uh:149:VAL:HG11	2.16	0.71
3:Rl:53:ASN:O	3:Rl:73:GLY:CA	2.35	0.71
3:2l:52:TYR:O	3:2l:55:VAL:HG23	1.89	0.71
1:Q:555:GLU:OE1	1:Q:555:GLU:N	2.19	0.71
1:7:555:GLU:OE1	1:7:555:GLU:N	2.19	0.71
2:ch:39:LEU:HD13	2:ch:101:LEU:HD23	1.73	0.71
2:dh:39:LEU:HD13	2:dh:101:LEU:HD23	1.73	0.71
2:eh:39:LEU:HD13	2:eh:101:LEU:HD23	1.73	0.71
2:3h:39:LEU:HD13	2:3h:101:LEU:HD23	1.73	0.71
2:4h:39:LEU:HD13	2:4h:101:LEU:HD23	1.73	0.71
1:Z:555:GLU:OE1	1:Z:555:GLU:N	2.19	0.71
2:Fh:39:LEU:HD13	2:Fh:101:LEU:HD23	1.73	0.71
2:Jh:39:LEU:HD13	2:Jh:101:LEU:HD23	1.73	0.71
2:Lh:39:LEU:HD13	2:Lh:101:LEU:HD23	1.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Nh:39:LEU:HD13	2:Nh:101:LEU:HD23	1.73	0.71
2:Sh:39:LEU:HD13	2:Sh:101:LEU:HD23	1.73	0.71
2:Xh:39:LEU:HD13	2:Xh:101:LEU:HD23	1.73	0.71
2:5h:39:LEU:HD13	2:5h:101:LEU:HD23	1.73	0.71
2:6h:39:LEU:HD13	2:6h:101:LEU:HD23	1.73	0.71
3:Kl:53:ASN:O	3:Kl:73:GLY:CA	2.35	0.71
3:dl:52:TYR:O	3:dl:55:VAL:HG23	1.89	0.71
3:zl:53:ASN:HD22	3:zl:53:ASN:H	1.39	0.71
2:Fh:37:LEU:CD2	2:Fh:149:VAL:HG11	2.16	0.71
2:Ih:39:LEU:HD13	2:Ih:101:LEU:HD23	1.73	0.71
2:Kh:39:LEU:HD13	2:Kh:101:LEU:HD23	1.73	0.71
2:Rh:39:LEU:HD13	2:Rh:101:LEU:HD23	1.73	0.71
2:Wh:39:LEU:HD13	2:Wh:101:LEU:HD23	1.73	0.71
2:Zh:39:LEU:HD13	2:Zh:101:LEU:HD23	1.73	0.71
2:fh:39:LEU:HD13	2:fh:101:LEU:HD23	1.73	0.71
3:Bl:53:ASN:HD22	3:Bl:53:ASN:H	1.39	0.71
3:Ql:53:ASN:H	3:Ql:53:ASN:HD22	1.39	0.71
3:Yl:110:CYS:O	3:Yl:122:GLY:N	2.23	0.71
3:Zl:59:GLN:OE1	3:Zl:69:MET:CE	2.39	0.71
3:cl:53:ASN:O	3:cl:73:GLY:CA	2.35	0.71
3:6l:59:GLN:OE1	3:6l:69:MET:CE	2.39	0.71
2:Vh:39:LEU:HD13	2:Vh:101:LEU:HD23	1.73	0.71
2:bh:39:LEU:HD13	2:bh:101:LEU:HD23	1.73	0.71
2:rh:39:LEU:HD13	2:rh:101:LEU:HD23	1.73	0.71
2:wh:39:LEU:HD13	2:wh:101:LEU:HD23	1.73	0.71
3:Hl:110:CYS:O	3:Hl:122:GLY:N	2.23	0.71
3:Ml:53:ASN:HD22	3:Ml:53:ASN:H	1.39	0.71
3:Rl:53:ASN:HD22	3:Rl:53:ASN:H	1.39	0.71
3:hl:53:ASN:HD22	3:hl:53:ASN:H	1.39	0.71
3:kl:59:GLN:OE1	3:kl:69:MET:CE	2.39	0.71
3:ll:59:GLN:OE1	3:ll:69:MET:CE	2.39	0.71
3:2l:59:GLN:OE1	3:2l:69:MET:CE	2.39	0.71
3:4l:52:TYR:O	3:4l:55:VAL:HG23	1.89	0.71
1:u:555:GLU:OE1	1:u:555:GLU:N	2.19	0.71
2:Ah:39:LEU:HD13	2:Ah:101:LEU:HD23	1.73	0.71
2:Nh:37:LEU:CD2	2:Nh:149:VAL:HG11	2.16	0.71
2:Th:37:LEU:CD2	2:Th:149:VAL:HG11	2.16	0.71
2:Uh:39:LEU:HD13	2:Uh:101:LEU:HD23	1.73	0.71
2:gh:37:LEU:CD2	2:gh:149:VAL:HG11	2.16	0.71
2:ph:39:LEU:HD13	2:ph:101:LEU:HD23	1.73	0.71
2:zh:39:LEU:HD13	2:zh:101:LEU:HD23	1.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Cl:53:ASN:H	3:Cl:53:ASN:HD22	1.39	0.71
3:Dl:53:ASN:O	3:Dl:73:GLY:CA	2.35	0.71
3:Kl:53:ASN:H	3:Kl:53:ASN:HD22	1.39	0.71
3:Ul:53:ASN:HD22	3:Ul:53:ASN:H	1.39	0.71
3:jl:59:GLN:OE1	3:jl:69:MET:CE	2.39	0.71
3:rl:59:GLN:OE1	3:rl:69:MET:CE	2.39	0.71
3:xl:53:ASN:HD22	3:xl:53:ASN:H	1.39	0.71
3:yl:53:ASN:O	3:yl:73:GLY:CA	2.35	0.71
3:ol:59:GLN:OE1	3:ol:69:MET:CE	2.39	0.71
1:6:555:GLU:OE1	1:6:555:GLU:N	2.19	0.70
2:Bh:39:LEU:HD13	2:Bh:101:LEU:HD23	1.73	0.70
2:hh:39:LEU:HD13	2:hh:101:LEU:HD23	1.73	0.70
2:jh:39:LEU:HD13	2:jh:101:LEU:HD23	1.73	0.70
2:1h:37:LEU:HD21	2:1h:149:VAL:CG1	2.13	0.70
3:Al:59:GLN:OE1	3:Al:69:MET:CE	2.39	0.70
3:fl:53:ASN:H	3:fl:53:ASN:HD22	1.39	0.70
3:ml:59:GLN:OE1	3:ml:69:MET:CE	2.39	0.70
3:pl:59:GLN:OE1	3:pl:69:MET:CE	2.39	0.70
3:sl:59:GLN:OE1	3:sl:69:MET:CE	2.39	0.70
3:wl:59:GLN:OE1	3:wl:69:MET:CE	2.39	0.70
2:Lh:36:THR:HG22	2:Lh:103:LEU:O	1.92	0.70
2:Sh:36:THR:HG22	2:Sh:103:LEU:O	1.92	0.70
2:lh:39:LEU:HD13	2:lh:101:LEU:HD23	1.73	0.70
2:nh:37:LEU:HD21	2:nh:149:VAL:CG1	2.13	0.70
2:nh:39:LEU:HD13	2:nh:101:LEU:HD23	1.73	0.70
2:2h:39:LEU:HD13	2:2h:101:LEU:HD23	1.73	0.70
3:Ml:59:GLN:OE1	3:Ml:69:MET:CE	2.39	0.70
3:Tl:59:GLN:OE1	3:Tl:69:MET:CE	2.39	0.70
3:Xl:53:ASN:O	3:Xl:73:GLY:CA	2.35	0.70
3:bl:59:GLN:OE1	3:bl:69:MET:CE	2.39	0.70
3:gl:59:GLN:OE1	3:gl:69:MET:CE	2.39	0.70
3:ol:53:ASN:H	3:ol:53:ASN:HD22	1.39	0.70
3:Hl:59:GLN:OE1	3:Hl:69:MET:CE	2.39	0.70
3:Il:59:GLN:OE1	3:Il:69:MET:CE	2.39	0.70
3:Ml:110:CYS:O	3:Ml:122:GLY:N	2.23	0.70
3:Ql:59:GLN:OE1	3:Ql:69:MET:CE	2.39	0.70
3:Ql:110:CYS:O	3:Ql:122:GLY:N	2.23	0.70
3:Vl:53:ASN:H	3:Vl:53:ASN:HD22	1.39	0.70
3:Wl:59:GLN:OE1	3:Wl:69:MET:CE	2.39	0.70
3:dl:53:ASN:O	3:dl:73:GLY:CA	2.35	0.70
3:3l:53:ASN:H	3:3l:53:ASN:HD22	1.39	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Mh:36:THR:HG22	2:Mh:103:LEU:O	1.92	0.70
2:Qh:36:THR:HG22	2:Qh:103:LEU:O	1.92	0.70
2:Rh:36:THR:HG22	2:Rh:103:LEU:O	1.92	0.70
2:jh:36:THR:HG22	2:jh:103:LEU:O	1.92	0.70
2:rh:36:THR:HG22	2:rh:103:LEU:O	1.92	0.70
2:th:39:LEU:HD13	2:th:101:LEU:HD23	1.73	0.70
2:th:69:ILE:HG23	2:th:88:VAL:HG11	1.74	0.70
2:1h:39:LEU:HD13	2:1h:101:LEU:HD23	1.73	0.70
3:Bl:59:GLN:OE1	3:Bl:69:MET:CE	2.39	0.70
3:Yl:59:GLN:OE1	3:Yl:69:MET:CE	2.39	0.70
3:hl:59:GLN:OE1	3:hl:69:MET:CE	2.39	0.70
3:zl:59:GLN:OE1	3:zl:69:MET:CE	2.39	0.70
3:1l:53:ASN:H	3:1l:53:ASN:HD22	1.39	0.70
2:Kh:36:THR:HG22	2:Kh:103:LEU:O	1.92	0.70
2:ih:69:ILE:HG23	2:ih:88:VAL:HG11	1.74	0.70
3:El:59:GLN:OE1	3:El:69:MET:CE	2.39	0.70
3:Jl:53:ASN:O	3:Jl:73:GLY:CA	2.35	0.70
3:Pl:59:GLN:OE1	3:Pl:69:MET:CE	2.39	0.70
3:Ul:59:GLN:OE1	3:Ul:69:MET:CE	2.39	0.70
3:al:59:GLN:OE1	3:al:69:MET:CE	2.39	0.70
3:cl:53:ASN:H	3:cl:53:ASN:HD22	1.39	0.70
3:nl:59:GLN:OE1	3:nl:69:MET:CE	2.39	0.70
3:xl:59:GLN:OE1	3:xl:69:MET:CE	2.39	0.70
3:5l:53:ASN:HD22	3:5l:53:ASN:H	1.39	0.70
2:Gh:69:ILE:HG23	2:Gh:88:VAL:HG11	1.74	0.70
2:Hh:36:THR:HG22	2:Hh:103:LEU:O	1.92	0.70
2:Mh:69:ILE:HG23	2:Mh:88:VAL:HG11	1.74	0.70
2:Qh:69:ILE:HG23	2:Qh:88:VAL:HG11	1.74	0.70
2:Yh:36:THR:HG22	2:Yh:103:LEU:O	1.92	0.70
2:ih:39:LEU:HD13	2:ih:101:LEU:HD23	1.73	0.70
2:kh:39:LEU:HD13	2:kh:101:LEU:HD23	1.73	0.70
2:oh:39:LEU:HD13	2:oh:101:LEU:HD23	1.73	0.70
3:Cl:59:GLN:OE1	3:Cl:69:MET:CE	2.39	0.70
3:Sl:59:GLN:OE1	3:Sl:69:MET:CE	2.39	0.70
3:Yl:53:ASN:O	3:Yl:73:GLY:CA	2.35	0.70
3:el:110:CYS:O	3:el:122:GLY:N	2.23	0.70
3:ml:53:ASN:HD22	3:ml:53:ASN:H	1.39	0.70
3:nl:53:ASN:H	3:nl:53:ASN:HD22	1.39	0.70
3:nl:110:CYS:O	3:nl:122:GLY:N	2.23	0.70
3:ul:53:ASN:HD22	3:ul:53:ASN:H	1.39	0.70
3:1l:59:GLN:OE1	3:1l:69:MET:CE	2.39	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:1l:110:CYS:O	3:1l:122:GLY:N	2.23	0.70
3:4l:53:ASN:O	3:4l:73:GLY:CA	2.35	0.70
3:7l:59:GLN:OE1	3:7l:69:MET:CE	2.39	0.70
1:V:555:GLU:OE1	1:V:555:GLU:N	2.19	0.70
2:Oh:69:ILE:HG23	2:Oh:88:VAL:HG11	1.74	0.70
2:sh:39:LEU:HD13	2:sh:101:LEU:HD23	1.73	0.70
2:vh:39:LEU:HD13	2:vh:101:LEU:HD23	1.73	0.70
3:Ll:59:GLN:OE1	3:Ll:69:MET:CE	2.39	0.70
3:el:53:ASN:HD22	3:el:53:ASN:H	1.39	0.70
3:ol:53:ASN:HD22	3:ol:53:ASN:H	1.39	0.70
3:pl:53:ASN:HD22	3:pl:53:ASN:H	1.39	0.70
2:Th:36:THR:HG22	2:Th:103:LEU:O	1.92	0.70
2:gh:36:THR:HG22	2:gh:103:LEU:O	1.92	0.70
2:mh:39:LEU:HD13	2:mh:101:LEU:HD23	1.73	0.70
2:ph:36:THR:HG22	2:ph:103:LEU:O	1.92	0.70
2:0h:39:LEU:HD13	2:0h:101:LEU:HD23	1.73	0.70
3:Cl:110:CYS:O	3:Cl:122:GLY:N	2.23	0.70
3:Jl:59:GLN:OE1	3:Jl:69:MET:CE	2.39	0.70
3:Kl:59:GLN:OE1	3:Kl:69:MET:CE	2.39	0.70
3:Pl:53:ASN:HD22	3:Pl:53:ASN:H	1.39	0.70
3:Vl:59:GLN:OE1	3:Vl:69:MET:CE	2.39	0.70
3:bl:110:CYS:O	3:bl:122:GLY:N	2.23	0.70
3:fl:59:GLN:OE1	3:fl:69:MET:CE	2.39	0.70
3:il:59:GLN:OE1	3:il:69:MET:CE	2.39	0.70
3:ol:59:GLN:OE1	3:ol:69:MET:CE	2.39	0.70
3:ql:53:ASN:H	3:ql:53:ASN:HD22	1.39	0.70
3:sl:110:CYS:O	3:sl:122:GLY:N	2.23	0.70
3:vl:53:ASN:H	3:vl:53:ASN:HD22	1.39	0.70
3:vl:59:GLN:OE1	3:vl:69:MET:CE	2.39	0.70
3:wl:53:ASN:H	3:wl:53:ASN:HD22	1.39	0.70
3:5l:110:CYS:O	3:5l:122:GLY:N	2.23	0.70
2:wh:36:THR:HG22	2:wh:103:LEU:O	1.92	0.70
3:El:53:ASN:HD22	3:El:53:ASN:H	1.39	0.70
3:Hl:53:ASN:O	3:Hl:73:GLY:CA	2.35	0.70
3:Rl:59:GLN:OE1	3:Rl:69:MET:CE	2.39	0.70
3:Xl:59:GLN:OE1	3:Xl:69:MET:CE	2.39	0.70
3:Zl:53:ASN:HD22	3:Zl:53:ASN:H	1.39	0.70
3:el:59:GLN:OE1	3:el:69:MET:CE	2.39	0.70
3:xl:110:CYS:O	3:xl:122:GLY:N	2.23	0.70
3:yl:59:GLN:OE1	3:yl:69:MET:CE	2.39	0.70
3:3l:59:GLN:OE1	3:3l:69:MET:CE	2.39	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:4l:59:GLN:OE1	3:4l:69:MET:CE	2.39	0.70
3:6l:53:ASN:H	3:6l:53:ASN:HD22	1.39	0.70
1:f:555:GLU:OE1	1:f:555:GLU:N	2.19	0.70
1:n:555:GLU:OE1	1:n:555:GLU:N	2.20	0.70
1:y:555:GLU:OE1	1:y:555:GLU:N	2.19	0.70
2:Eh:36:THR:HG22	2:Eh:103:LEU:O	1.92	0.70
2:Hh:69:ILE:HG23	2:Hh:88:VAL:HG11	1.74	0.70
2:Wh:36:THR:HG22	2:Wh:103:LEU:O	1.92	0.70
2:lh:37:LEU:CD2	2:lh:149:VAL:HG11	2.16	0.70
2:nh:36:THR:HG22	2:nh:103:LEU:O	1.92	0.70
2:oh:36:THR:HG22	2:oh:103:LEU:O	1.92	0.70
2:xh:69:ILE:HG23	2:xh:88:VAL:HG11	1.74	0.70
3:Al:110:CYS:O	3:Al:122:GLY:N	2.23	0.70
3:Fl:59:GLN:OE1	3:Fl:69:MET:CE	2.39	0.70
3:dl:59:GLN:OE1	3:dl:69:MET:CE	2.39	0.70
3:kl:110:CYS:O	3:kl:122:GLY:N	2.23	0.70
3:tl:59:GLN:OE1	3:tl:69:MET:CE	2.39	0.70
2:Ah:36:THR:HG22	2:Ah:103:LEU:O	1.92	0.69
2:Ch:69:ILE:HG23	2:Ch:88:VAL:HG11	1.74	0.69
2:Eh:37:LEU:CD2	2:Eh:149:VAL:HG11	2.16	0.69
2:Ih:37:LEU:CD2	2:Ih:149:VAL:HG11	2.16	0.69
2:Ph:36:THR:HG22	2:Ph:103:LEU:O	1.92	0.69
2:bh:36:THR:HG22	2:bh:103:LEU:O	1.92	0.69
2:ch:36:THR:HG22	2:ch:103:LEU:O	1.92	0.69
2:1h:36:THR:HG22	2:1h:103:LEU:O	1.92	0.69
2:3h:36:THR:HG22	2:3h:103:LEU:O	1.92	0.69
3:Dl:59:GLN:OE1	3:Dl:69:MET:CE	2.39	0.69
3:Gl:59:GLN:OE1	3:Gl:69:MET:CE	2.39	0.69
3:Nl:53:ASN:H	3:Nl:53:ASN:HD22	1.39	0.69
3:Nl:59:GLN:OE1	3:Nl:69:MET:CE	2.39	0.69
3:cl:59:GLN:OE1	3:cl:69:MET:CE	2.39	0.69
3:pl:110:CYS:O	3:pl:122:GLY:N	2.23	0.69
3:wl:110:CYS:O	3:wl:122:GLY:N	2.23	0.69
3:5l:59:GLN:OE1	3:5l:69:MET:CE	2.39	0.69
2:Ih:36:THR:HG22	2:Ih:103:LEU:O	1.92	0.69
2:Lh:37:LEU:CD2	2:Lh:149:VAL:HG11	2.16	0.69
2:Mh:39:LEU:HD13	2:Mh:101:LEU:HD23	1.73	0.69
2:Sh:37:LEU:CD2	2:Sh:149:VAL:HG11	2.16	0.69
2:Yh:69:ILE:HG23	2:Yh:88:VAL:HG11	1.74	0.69
2:dh:37:LEU:CD2	2:dh:149:VAL:HG11	2.16	0.69
2:vh:36:THR:HG22	2:vh:103:LEU:O	1.92	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:37:LEU:CD2	2:4h:149:VAL:HG11	2.16	0.69
2:5h:37:LEU:CD2	2:5h:149:VAL:HG11	2.16	0.69
3:El:110:CYS:O	3:El:122:GLY:N	2.23	0.69
3:Fl:53:ASN:H	3:Fl:53:ASN:HD22	1.39	0.69
1:D:555:GLU:OE1	1:D:555:GLU:N	2.19	0.69
1:e:555:GLU:OE1	1:e:555:GLU:N	2.19	0.69
1:1:555:GLU:OE1	1:1:555:GLU:N	2.20	0.69
2:Dh:36:THR:HG22	2:Dh:103:LEU:O	1.92	0.69
2:Jh:36:THR:HG22	2:Jh:103:LEU:O	1.92	0.69
2:Jh:69:ILE:HG23	2:Jh:88:VAL:HG11	1.74	0.69
2:Ph:37:LEU:CD2	2:Ph:149:VAL:HG11	2.16	0.69
2:eh:37:LEU:CD2	2:eh:149:VAL:HG11	2.16	0.69
2:eh:69:ILE:HG23	2:eh:88:VAL:HG11	1.74	0.69
2:th:37:LEU:CD2	2:th:149:VAL:HG11	2.16	0.69
2:7h:39:LEU:HD13	2:7h:101:LEU:HD23	1.73	0.69
3:Ol:59:GLN:OE1	3:Ol:69:MET:CE	2.39	0.69
2:Bh:36:THR:HG22	2:Bh:103:LEU:O	1.92	0.69
2:Dh:37:LEU:CD2	2:Dh:149:VAL:HG11	2.16	0.69
2:Th:39:LEU:HD13	2:Th:101:LEU:HD23	1.73	0.69
2:Xh:36:THR:HG22	2:Xh:103:LEU:O	1.92	0.69
2:ah:39:LEU:HD13	2:ah:101:LEU:HD23	1.73	0.69
2:gh:39:LEU:HD13	2:gh:101:LEU:HD23	1.73	0.69
2:ih:37:LEU:CD2	2:ih:149:VAL:HG11	2.16	0.69
2:sh:36:THR:HG22	2:sh:103:LEU:O	1.92	0.69
2:yh:36:THR:HG22	2:yh:103:LEU:O	1.92	0.69
2:2h:37:LEU:CD2	2:2h:149:VAL:HG11	2.16	0.69
2:5h:69:ILE:HG23	2:5h:88:VAL:HG11	1.74	0.69
3:Pl:110:CYS:O	3:Pl:122:GLY:N	2.23	0.69
3:Tl:53:ASN:H	3:Tl:53:ASN:HD22	1.39	0.69
3:Tl:110:CYS:O	3:Tl:122:GLY:N	2.23	0.69
2:Fh:69:ILE:HG23	2:Fh:88:VAL:HG11	1.74	0.69
2:Hh:39:LEU:HD13	2:Hh:101:LEU:HD23	1.73	0.69
2:Nh:36:THR:HG22	2:Nh:103:LEU:O	1.92	0.69
2:Qh:39:LEU:HD13	2:Qh:101:LEU:HD23	1.73	0.69
2:Uh:69:ILE:HG23	2:Uh:88:VAL:HG11	1.74	0.69
2:Wh:37:LEU:CD2	2:Wh:149:VAL:HG11	2.16	0.69
2:Xh:69:ILE:HG23	2:Xh:88:VAL:HG11	1.74	0.69
2:kh:36:THR:HG22	2:kh:103:LEU:O	1.92	0.69
2:zh:69:ILE:HG23	2:zh:88:VAL:HG11	1.74	0.69
2:4h:69:ILE:HG23	2:4h:88:VAL:HG11	1.74	0.69
3:gl:110:CYS:O	3:gl:122:GLY:N	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:ql:59:GLN:OE1	3:ql:69:MET:CE	2.39	0.69
3:tl:53:ASN:H	3:tl:53:ASN:HD22	1.39	0.69
2:Fh:36:THR:HG22	2:Fh:103:LEU:O	1.92	0.69
2:Nh:69:ILE:HG23	2:Nh:88:VAL:HG11	1.74	0.69
2:Oh:36:THR:HG22	2:Oh:103:LEU:O	1.92	0.69
2:Yh:39:LEU:HD13	2:Yh:101:LEU:HD23	1.73	0.69
2:dh:69:ILE:HG23	2:dh:88:VAL:HG11	1.74	0.69
2:eh:36:THR:HG22	2:eh:103:LEU:O	1.92	0.69
2:zh:36:THR:HG22	2:zh:103:LEU:O	1.92	0.69
3:gl:53:ASN:HD22	3:gl:53:ASN:H	1.39	0.69
3:il:53:ASN:H	3:il:53:ASN:HD22	1.39	0.69
3:sl:53:ASN:HD22	3:sl:53:ASN:H	1.39	0.69
1:5:555:GLU:OE1	1:5:555:GLU:N	2.19	0.69
2:Bh:69:ILE:HG23	2:Bh:88:VAL:HG11	1.74	0.69
2:Ph:39:LEU:HD13	2:Ph:101:LEU:HD23	1.73	0.69
2:Yh:37:LEU:CD2	2:Yh:149:VAL:HG11	2.16	0.69
2:Zh:69:ILE:HG23	2:Zh:88:VAL:HG11	1.74	0.69
2:hh:69:ILE:HG23	2:hh:88:VAL:HG11	1.74	0.69
2:4h:36:THR:HG22	2:4h:103:LEU:O	1.92	0.69
2:7h:69:ILE:HG23	2:7h:88:VAL:HG11	1.74	0.69
3:jl:53:ASN:HD22	3:jl:53:ASN:H	1.39	0.69
3:kl:53:ASN:H	3:kl:53:ASN:HD22	1.39	0.69
3:ul:59:GLN:OE1	3:ul:69:MET:CE	2.39	0.69
1:A:324:THR:OG1	2:Ah:130:THR:CG2	2.41	0.69
1:N:555:GLU:OE1	1:N:555:GLU:N	2.19	0.69
2:Eh:39:LEU:HD13	2:Eh:101:LEU:HD23	1.73	0.69
2:Gh:36:THR:HG22	2:Gh:103:LEU:O	1.92	0.69
2:Lh:69:ILE:HG23	2:Lh:88:VAL:HG11	1.74	0.69
2:Oh:37:LEU:CD2	2:Oh:149:VAL:HG11	2.16	0.69
2:Sh:69:ILE:HG23	2:Sh:88:VAL:HG11	1.74	0.69
2:Vh:69:ILE:HG23	2:Vh:88:VAL:HG11	1.74	0.69
2:ah:69:ILE:HG23	2:ah:88:VAL:HG11	1.74	0.69
2:dh:36:THR:HG22	2:dh:103:LEU:O	1.92	0.69
2:fh:69:ILE:HG23	2:fh:88:VAL:HG11	1.74	0.69
2:ih:36:THR:HG22	2:ih:103:LEU:O	1.92	0.69
2:mh:69:ILE:HG23	2:mh:88:VAL:HG11	1.74	0.69
2:yh:37:LEU:CD2	2:yh:149:VAL:HG11	2.16	0.69
2:yh:39:LEU:HD13	2:yh:101:LEU:HD23	1.73	0.69
2:0h:69:ILE:HG23	2:0h:88:VAL:HG11	1.74	0.69
2:2h:36:THR:HG22	2:2h:103:LEU:O	1.92	0.69
2:2h:69:ILE:HG23	2:2h:88:VAL:HG11	1.74	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:5h:36:THR:HG22	2:5h:103:LEU:O	1.92	0.69
2:6h:69:ILE:HG23	2:6h:88:VAL:HG11	1.74	0.69
3:Jl:53:ASN:HD22	3:Jl:53:ASN:H	1.39	0.69
3:Xl:53:ASN:HD22	3:Xl:53:ASN:H	1.39	0.69
3:rl:53:ASN:HD22	3:rl:53:ASN:H	1.39	0.69
3:4l:53:ASN:HD22	3:4l:53:ASN:H	1.39	0.69
3:7l:53:ASN:HD22	3:7l:53:ASN:H	1.39	0.69
2:Ch:39:LEU:HD13	2:Ch:101:LEU:HD23	1.73	0.69
2:Dh:39:LEU:HD13	2:Dh:101:LEU:HD23	1.73	0.69
2:Hh:37:LEU:CD2	2:Hh:149:VAL:HG11	2.16	0.69
2:Oh:39:LEU:HD13	2:Oh:101:LEU:HD23	1.73	0.69
2:kh:69:ILE:HG23	2:kh:88:VAL:HG11	1.74	0.69
2:lh:36:THR:HG22	2:lh:103:LEU:O	1.92	0.69
2:lh:69:ILE:HG23	2:lh:88:VAL:HG11	1.74	0.69
2:th:36:THR:HG22	2:th:103:LEU:O	1.92	0.69
1:E:555:GLU:OE1	1:E:555:GLU:N	2.19	0.69
1:F:555:GLU:OE1	1:F:555:GLU:N	2.19	0.69
1:P:555:GLU:OE1	1:P:555:GLU:N	2.19	0.69
2:Gh:37:LEU:CD2	2:Gh:149:VAL:HG11	2.16	0.69
2:Ph:69:ILE:HG23	2:Ph:88:VAL:HG11	1.74	0.69
2:Zh:36:THR:HG22	2:Zh:103:LEU:O	1.92	0.69
2:sh:69:ILE:HG23	2:sh:88:VAL:HG11	1.74	0.69
3:dl:53:ASN:H	3:dl:53:ASN:HD22	1.39	0.69
3:yl:53:ASN:H	3:yl:53:ASN:HD22	1.39	0.69
2:Eh:69:ILE:HG23	2:Eh:88:VAL:HG11	1.74	0.68
2:Gh:39:LEU:HD13	2:Gh:101:LEU:HD23	1.73	0.68
2:Vh:36:THR:HG22	2:Vh:103:LEU:O	1.92	0.68
2:hh:36:THR:HG22	2:hh:103:LEU:O	1.92	0.68
2:qh:69:ILE:HG23	2:qh:88:VAL:HG11	1.74	0.68
2:uh:69:ILE:HG23	2:uh:88:VAL:HG11	1.74	0.68
2:vh:69:ILE:HG23	2:vh:88:VAL:HG11	1.74	0.68
2:yh:69:ILE:HG23	2:yh:88:VAL:HG11	1.74	0.68
3:Al:53:ASN:H	3:Al:53:ASN:HD22	1.39	0.68
3:Gl:53:ASN:HD22	3:Gl:53:ASN:H	1.39	0.68
3:al:53:ASN:H	3:al:53:ASN:HD22	1.39	0.68
2:Ch:36:THR:HG22	2:Ch:103:LEU:O	1.92	0.68
2:Dh:69:ILE:HG23	2:Dh:88:VAL:HG11	1.74	0.68
2:Kh:37:LEU:CD2	2:Kh:149:VAL:HG11	2.16	0.68
2:Uh:36:THR:HG22	2:Uh:103:LEU:O	1.92	0.68
2:xh:36:THR:HG22	2:xh:103:LEU:O	1.92	0.68
2:xh:39:LEU:HD13	2:xh:101:LEU:HD23	1.73	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6h:36:THR:HG22	2:6h:103:LEU:O	1.92	0.68
3:Bl:110:CYS:O	3:Bl:122:GLY:N	2.23	0.68
3:Dl:53:ASN:HD22	3:Dl:53:ASN:H	1.39	0.68
2:Qh:37:LEU:CD2	2:Qh:149:VAL:HG11	2.16	0.68
2:Rh:69:ILE:HG23	2:Rh:88:VAL:HG11	1.74	0.68
2:fh:36:THR:HG22	2:fh:103:LEU:O	1.92	0.68
2:mh:36:THR:HG22	2:mh:103:LEU:O	1.92	0.68
2:oh:69:ILE:HG23	2:oh:88:VAL:HG11	1.74	0.68
2:ph:69:ILE:HG23	2:ph:88:VAL:HG11	1.74	0.68
2:rh:69:ILE:HG23	2:rh:88:VAL:HG11	1.74	0.68
2:wh:69:ILE:HG23	2:wh:88:VAL:HG11	1.74	0.68
2:7h:36:THR:HG22	2:7h:103:LEU:O	1.92	0.68
3:Fl:110:CYS:O	3:Fl:122:GLY:N	2.23	0.68
3:Nl:110:CYS:O	3:Nl:122:GLY:N	2.23	0.68
3:Ol:53:ASN:HD22	3:Ol:53:ASN:H	1.39	0.68
3:bl:53:ASN:HD22	3:bl:53:ASN:H	1.39	0.68
1:R:555:GLU:OE1	1:R:555:GLU:N	2.20	0.68
2:ah:36:THR:HG22	2:ah:103:LEU:O	1.92	0.68
2:jh:69:ILE:HG23	2:jh:88:VAL:HG11	1.74	0.68
2:qh:36:THR:HG22	2:qh:103:LEU:O	1.92	0.68
3:Wl:53:ASN:HD22	3:Wl:53:ASN:H	1.39	0.68
1:G:555:GLU:OE1	1:G:555:GLU:N	2.19	0.68
1:K:555:GLU:OE1	1:K:555:GLU:N	2.20	0.68
2:Kh:69:ILE:HG23	2:Kh:88:VAL:HG11	1.74	0.68
2:0h:36:THR:HG22	2:0h:103:LEU:O	1.92	0.68
3:Il:53:ASN:H	3:Il:53:ASN:HD22	1.39	0.68
3:al:110:CYS:O	3:al:122:GLY:N	2.23	0.68
3:zl:110:CYS:O	3:zl:122:GLY:N	2.23	0.68
1:M:242:THR:HG22	1:M:681:GLU:HB2	1.76	0.68
2:uh:36:THR:HG22	2:uh:103:LEU:O	1.92	0.68
1:Q:242:THR:HG22	1:Q:681:GLU:HB2	1.76	0.68
1:c:555:GLU:OE1	1:c:555:GLU:N	2.19	0.68
2:Mh:37:LEU:CD2	2:Mh:149:VAL:HG11	2.16	0.68
2:Rh:37:LEU:CD2	2:Rh:149:VAL:HG11	2.16	0.68
2:1h:69:ILE:HG23	2:1h:88:VAL:HG11	1.74	0.68
3:Rl:110:CYS:O	3:Rl:122:GLY:N	2.23	0.68
3:Sl:53:ASN:H	3:Sl:53:ASN:HD22	1.39	0.68
3:ll:110:CYS:O	3:ll:122:GLY:N	2.23	0.68
1:A:242:THR:HG22	1:A:681:GLU:HB2	1.76	0.68
1:b:242:THR:HG22	1:b:681:GLU:HB2	1.76	0.68
1:d:555:GLU:OE1	1:d:555:GLU:N	2.19	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:l:242:THR:HG22	1:l:681:GLU:HB2	1.76	0.68
1:1:242:THR:HG22	1:1:681:GLU:HB2	1.76	0.68
1:2:242:THR:HG22	1:2:681:GLU:HB2	1.76	0.68
2:Ah:69:ILE:HG23	2:Ah:88:VAL:HG11	1.74	0.68
2:bh:69:ILE:HG23	2:bh:88:VAL:HG11	1.74	0.68
2:gh:69:ILE:HG23	2:gh:88:VAL:HG11	1.74	0.68
3:Kl:110:CYS:O	3:Kl:122:GLY:N	2.23	0.68
3:2l:110:CYS:O	3:2l:122:GLY:N	2.23	0.68
3:7l:110:CYS:O	3:7l:122:GLY:N	2.23	0.68
1:E:242:THR:HG22	1:E:681:GLU:HB2	1.76	0.68
1:O:555:GLU:OE1	1:O:555:GLU:N	2.19	0.68
1:P:242:THR:HG22	1:P:681:GLU:HB2	1.76	0.68
1:T:242:THR:HG22	1:T:681:GLU:HB2	1.76	0.68
1:k:242:THR:HG22	1:k:681:GLU:HB2	1.76	0.68
1:n:242:THR:HG22	1:n:681:GLU:HB2	1.76	0.68
1:3:555:GLU:OE1	1:3:555:GLU:N	2.19	0.68
1:4:555:GLU:OE1	1:4:555:GLU:N	2.19	0.68
2:Th:69:ILE:HG23	2:Th:88:VAL:HG11	1.74	0.68
2:ch:69:ILE:HG23	2:ch:88:VAL:HG11	1.74	0.68
3:Ll:53:ASN:HD22	3:Ll:53:ASN:H	1.39	0.68
3:Yl:53:ASN:H	3:Yl:53:ASN:HD22	1.39	0.68
1:H:555:GLU:OE1	1:H:555:GLU:N	2.19	0.68
1:Y:555:GLU:OE1	1:Y:555:GLU:N	2.19	0.68
1:g:242:THR:HG22	1:g:681:GLU:HB2	1.76	0.68
1:p:242:THR:HG22	1:p:681:GLU:HB2	1.76	0.68
1:s:242:THR:HG22	1:s:681:GLU:HB2	1.76	0.68
1:w:242:THR:HG22	1:w:681:GLU:HB2	1.76	0.68
2:mh:37:LEU:CD2	2:mh:149:VAL:HG11	2.16	0.68
2:nh:69:ILE:HG23	2:nh:88:VAL:HG11	1.74	0.68
3:Dl:110:CYS:O	3:Dl:122:GLY:N	2.23	0.68
3:Gl:110:CYS:O	3:Gl:122:GLY:N	2.23	0.68
3:Ul:110:CYS:O	3:Ul:122:GLY:N	2.23	0.68
1:l:555:GLU:OE1	1:l:555:GLU:N	2.19	0.67
1:3:242:THR:HG22	1:3:681:GLU:HB2	1.76	0.67
2:3h:69:ILE:HG23	2:3h:88:VAL:HG11	1.74	0.67
3:Hl:53:ASN:H	3:Hl:53:ASN:HD22	1.39	0.67
3:Zl:110:CYS:O	3:Zl:122:GLY:N	2.23	0.67
3:hl:110:CYS:O	3:hl:122:GLY:N	2.23	0.67
1:L:242:THR:HG22	1:L:681:GLU:HB2	1.76	0.67
1:i:242:THR:HG22	1:i:681:GLU:HB2	1.76	0.67
1:m:242:THR:HG22	1:m:681:GLU:HB2	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:o:242:THR:HG22	1:o:681:GLU:HB2	1.76	0.67
1:t:242:THR:HG22	1:t:681:GLU:HB2	1.76	0.67
1:t:555:GLU:OE1	1:t:555:GLU:N	2.19	0.67
1:v:242:THR:HG22	1:v:681:GLU:HB2	1.76	0.67
1:0:242:THR:HG22	1:0:681:GLU:HB2	1.76	0.67
1:6:242:THR:HG22	1:6:681:GLU:HB2	1.76	0.67
2:6h:37:LEU:CD2	2:6h:149:VAL:HG11	2.16	0.67
3:cl:110:CYS:O	3:cl:122:GLY:N	2.23	0.67
3:ql:110:CYS:O	3:ql:122:GLY:N	2.23	0.67
3:ul:110:CYS:O	3:ul:122:GLY:N	2.23	0.67
3:yl:110:CYS:O	3:yl:122:GLY:N	2.23	0.67
1:S:242:THR:HG22	1:S:681:GLU:HB2	1.76	0.67
1:Z:242:THR:HG22	1:Z:681:GLU:HB2	1.76	0.67
1:c:242:THR:HG22	1:c:681:GLU:HB2	1.76	0.67
1:j:555:GLU:OE1	1:j:555:GLU:N	2.19	0.67
2:Ch:106:VAL:HG22	2:Ch:110:ASP:HB2	1.77	0.67
2:0h:37:LEU:CD2	2:0h:149:VAL:HG11	2.16	0.67
2:1h:37:LEU:CD2	2:1h:149:VAL:HG11	2.16	0.67
3:Ol:110:CYS:O	3:Ol:122:GLY:N	2.23	0.67
3:ll:53:ASN:H	3:ll:53:ASN:HD22	1.39	0.67
3:ml:110:CYS:O	3:ml:122:GLY:N	2.23	0.67
3:2l:53:ASN:HD22	3:2l:53:ASN:H	1.39	0.67
1:i:555:GLU:OE1	1:i:555:GLU:N	2.19	0.67
2:xh:106:VAL:HG22	2:xh:110:ASP:HB2	1.77	0.67
3:6l:110:CYS:O	3:6l:122:GLY:N	2.23	0.67
1:V:242:THR:HG22	1:V:681:GLU:HB2	1.76	0.67
1:f:242:THR:HG22	1:f:681:GLU:HB2	1.76	0.67
1:u:322:GLU:OE1	2:uh:130:THR:HB	1.94	0.67
1:2:555:GLU:OE1	1:2:555:GLU:N	2.19	0.67
2:Wh:69:ILE:HG23	2:Wh:88:VAL:HG11	1.74	0.67
2:Zh:37:LEU:CD2	2:Zh:149:VAL:HG11	2.16	0.67
2:kh:106:VAL:HG22	2:kh:110:ASP:HB2	1.77	0.67
3:Il:32:GLY:HA3	3:Il:100:LEU:HD13	1.77	0.67
3:Wl:32:GLY:HA3	3:Wl:100:LEU:HD13	1.77	0.67
3:3l:110:CYS:O	3:3l:122:GLY:N	2.23	0.67
1:G:242:THR:HG22	1:G:681:GLU:HB2	1.76	0.67
1:r:555:GLU:OE1	1:r:555:GLU:N	2.19	0.67
2:Oh:106:VAL:HG22	2:Oh:110:ASP:HB2	1.77	0.67
2:sh:106:VAL:HG22	2:sh:110:ASP:HB2	1.77	0.67
3:Fl:32:GLY:HA3	3:Fl:100:LEU:HD13	1.77	0.67
3:Nl:32:GLY:HA3	3:Nl:100:LEU:HD13	1.77	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Vl:110:CYS:O	3:Vl:122:GLY:N	2.23	0.67
3:fl:32:GLY:HA3	3:fl:100:LEU:HD13	1.77	0.67
3:ql:32:GLY:HA3	3:ql:100:LEU:HD13	1.77	0.67
3:ul:32:GLY:HA3	3:ul:100:LEU:HD13	1.77	0.67
1:O:242:THR:HG22	1:O:681:GLU:HB2	1.76	0.67
1:X:242:THR:HG22	1:X:681:GLU:HB2	1.76	0.67
1:d:242:THR:HG22	1:d:681:GLU:HB2	1.76	0.67
2:Ih:69:ILE:HG23	2:Ih:88:VAL:HG11	1.74	0.67
2:jh:106:VAL:HG22	2:jh:110:ASP:HB2	1.77	0.67
2:rh:106:VAL:HG22	2:rh:110:ASP:HB2	1.77	0.67
3:Vl:32:GLY:HA3	3:Vl:100:LEU:HD13	1.77	0.67
3:Ol:110:CYS:O	3:Ol:122:GLY:N	2.23	0.67
1:J:242:THR:HG22	1:J:681:GLU:HB2	1.76	0.67
1:p:555:GLU:OE1	1:p:555:GLU:N	2.19	0.67
1:w:555:GLU:OE1	1:w:555:GLU:N	2.19	0.67
1:4:242:THR:HG22	1:4:681:GLU:HB2	1.76	0.67
2:Gh:106:VAL:HG22	2:Gh:110:ASP:HB2	1.77	0.67
2:Qh:106:VAL:HG22	2:Qh:110:ASP:HB2	1.77	0.67
2:bh:106:VAL:HG22	2:bh:110:ASP:HB2	1.77	0.67
2:ih:106:VAL:HG22	2:ih:110:ASP:HB2	1.77	0.67
2:mh:106:VAL:HG22	2:mh:110:ASP:HB2	1.77	0.67
2:nh:37:LEU:CD2	2:nh:149:VAL:HG11	2.16	0.67
2:th:106:VAL:HG22	2:th:110:ASP:HB2	1.77	0.67
2:yh:106:VAL:HG22	2:yh:110:ASP:HB2	1.77	0.67
3:Tl:32:GLY:HA3	3:Tl:100:LEU:HD13	1.77	0.67
3:Ul:32:GLY:HA3	3:Ul:100:LEU:HD13	1.77	0.67
3:ml:32:GLY:HA3	3:ml:100:LEU:HD13	1.77	0.67
1:a:242:THR:HG22	1:a:681:GLU:HB2	1.76	0.67
1:b:555:GLU:OE1	1:b:555:GLU:N	2.19	0.67
1:u:242:THR:HG22	1:u:681:GLU:HB2	1.76	0.67
2:Ah:106:VAL:HG22	2:Ah:110:ASP:HB2	1.77	0.67
2:Dh:106:VAL:HG22	2:Dh:110:ASP:HB2	1.77	0.67
2:Lh:106:VAL:HG22	2:Lh:110:ASP:HB2	1.77	0.67
2:Mh:106:VAL:HG22	2:Mh:110:ASP:HB2	1.77	0.67
2:Oh:106:VAL:HG22	2:Oh:110:ASP:HB2	1.77	0.67
3:Dl:32:GLY:HA3	3:Dl:100:LEU:HD13	1.77	0.67
3:El:32:GLY:HA3	3:El:100:LEU:HD13	1.77	0.67
3:fl:110:CYS:O	3:fl:122:GLY:N	2.23	0.67
3:yl:32:GLY:HA3	3:yl:100:LEU:HD13	1.77	0.67
3:Ol:32:GLY:HA3	3:Ol:100:LEU:HD13	1.77	0.67
1:C:242:THR:HG22	1:C:681:GLU:HB2	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:x:322:GLU:OE1	2:xh:130:THR:HB	1.95	0.67
2:Sh:106:VAL:HG22	2:Sh:110:ASP:HB2	1.77	0.67
3:Ml:32:GLY:HA3	3:Ml:100:LEU:HD13	1.77	0.67
3:Pl:32:GLY:HA3	3:Pl:100:LEU:HD13	1.77	0.67
3:Ql:32:GLY:HA3	3:Ql:100:LEU:HD13	1.77	0.67
3:gl:32:GLY:HA3	3:gl:100:LEU:HD13	1.77	0.67
3:hl:32:GLY:HA3	3:hl:100:LEU:HD13	1.77	0.67
3:il:32:GLY:HA3	3:il:100:LEU:HD13	1.77	0.67
3:nl:32:GLY:HA3	3:nl:100:LEU:HD13	1.77	0.67
3:tl:110:CYS:O	3:tl:122:GLY:N	2.23	0.67
3:xl:32:GLY:HA3	3:xl:100:LEU:HD13	1.77	0.67
3:1l:32:GLY:HA3	3:1l:100:LEU:HD13	1.77	0.67
1:q:242:THR:HG22	1:q:681:GLU:HB2	1.76	0.66
1:s:322:GLU:OE1	2:sh:130:THR:HB	1.96	0.66
1:x:242:THR:HG22	1:x:681:GLU:HB2	1.76	0.66
1:7:242:THR:HG22	1:7:681:GLU:HB2	1.76	0.66
2:Nh:106:VAL:HG22	2:Nh:110:ASP:HB2	1.77	0.66
3:Cl:32:GLY:HA3	3:Cl:100:LEU:HD13	1.77	0.66
3:Kl:32:GLY:HA3	3:Kl:100:LEU:HD13	1.77	0.66
3:Rl:32:GLY:HA3	3:Rl:100:LEU:HD13	1.77	0.66
3:al:32:GLY:HA3	3:al:100:LEU:HD13	1.77	0.66
3:tl:32:GLY:HA3	3:tl:100:LEU:HD13	1.77	0.66
3:7l:32:GLY:HA3	3:7l:100:LEU:HD13	1.77	0.66
1:c:322:GLU:OE1	2:ch:130:THR:HB	1.96	0.66
1:k:322:GLU:OE1	2:kh:130:THR:HB	1.96	0.66
1:v:555:GLU:OE1	1:v:555:GLU:N	2.20	0.66
1:3:322:GLU:OE1	2:3h:130:THR:HB	1.96	0.66
2:Fh:106:VAL:HG22	2:Fh:110:ASP:HB2	1.77	0.66
2:Zh:106:VAL:HG22	2:Zh:110:ASP:HB2	1.77	0.66
2:6h:106:VAL:HG22	2:6h:110:ASP:HB2	1.77	0.66
3:bl:32:GLY:HA3	3:bl:100:LEU:HD13	1.77	0.66
3:jl:32:GLY:HA3	3:jl:100:LEU:HD13	1.77	0.66
3:rl:32:GLY:HA3	3:rl:100:LEU:HD13	1.77	0.66
1:A:555:GLU:OE1	1:A:555:GLU:N	2.19	0.66
1:C:322:GLU:OE1	2:Ch:130:THR:HB	1.96	0.66
1:o:555:GLU:OE1	1:o:555:GLU:N	2.20	0.66
2:Xh:106:VAL:HG22	2:Xh:110:ASP:HB2	1.77	0.66
2:fh:37:LEU:CD2	2:fh:149:VAL:HG11	2.16	0.66
1:Z:322:GLU:OE1	2:Zh:130:THR:HB	1.96	0.66
1:w:322:GLU:OE1	2:wh:130:THR:HB	1.95	0.66
1:6:322:GLU:OE1	2:6h:130:THR:HB	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:uh:106:VAL:HG22	2:uh:110:ASP:HB2	1.77	0.66
2:2h:106:VAL:HG22	2:2h:110:ASP:HB2	1.77	0.66
3:Al:32:GLY:HA3	3:Al:100:LEU:HD13	1.77	0.66
3:Ll:42:CYS:CB	3:Ll:110:CYS:SG	2.84	0.66
3:Sl:42:CYS:CB	3:Sl:110:CYS:SG	2.84	0.66
3:dl:110:CYS:O	3:dl:122:GLY:N	2.23	0.66
3:il:110:CYS:O	3:il:122:GLY:N	2.23	0.66
3:4l:110:CYS:O	3:4l:122:GLY:N	2.23	0.66
1:J:322:GLU:OE1	2:Jh:130:THR:HB	1.96	0.66
1:S:322:GLU:OE1	2:Sh:130:THR:HB	1.95	0.66
1:T:322:GLU:OE1	2:Th:130:THR:HB	1.96	0.66
1:X:322:GLU:OE1	2:Xh:130:THR:HB	1.96	0.66
1:e:242:THR:HG22	1:e:681:GLU:HB2	1.76	0.66
1:g:322:GLU:OE1	2:gh:130:THR:HB	1.96	0.66
1:l:322:GLU:OE1	2:lh:130:THR:HB	1.96	0.66
1:p:322:GLU:OE1	2:ph:130:THR:HB	1.95	0.66
1:2:322:GLU:OE1	2:2h:130:THR:HB	1.96	0.66
2:Jh:106:VAL:HG22	2:Jh:110:ASP:HB2	1.77	0.66
2:eh:106:VAL:HG22	2:eh:110:ASP:HB2	1.77	0.66
2:oh:106:VAL:HG22	2:oh:110:ASP:HB2	1.77	0.66
2:th:54:TYR:CE1	2:th:73:TYR:HB2	2.31	0.66
2:vh:106:VAL:HG22	2:vh:110:ASP:HB2	1.77	0.66
2:7h:31:VAL:HG11	2:7h:106:VAL:HG11	1.78	0.66
3:Ul:42:CYS:CB	3:Ul:110:CYS:SG	2.84	0.66
3:Zl:42:CYS:CB	3:Zl:110:CYS:SG	2.84	0.66
3:hl:42:CYS:CB	3:hl:110:CYS:SG	2.84	0.66
3:6l:42:CYS:CB	3:6l:110:CYS:SG	2.84	0.66
1:D:242:THR:HG22	1:D:681:GLU:HB2	1.76	0.66
1:I:242:THR:HG22	1:I:681:GLU:HB2	1.76	0.66
1:L:322:GLU:OE1	2:Lh:130:THR:HB	1.95	0.66
1:O:322:GLU:OE1	2:Oh:130:THR:HB	1.96	0.66
1:R:242:THR:HG22	1:R:681:GLU:HB2	1.76	0.66
1:5:242:THR:HG22	1:5:681:GLU:HB2	1.76	0.66
2:Vh:54:TYR:CE1	2:Vh:73:TYR:HB2	2.31	0.66
2:Zh:31:VAL:HG11	2:Zh:106:VAL:HG11	1.78	0.66
2:ah:31:VAL:HG11	2:ah:106:VAL:HG11	1.78	0.66
2:fh:54:TYR:CE1	2:fh:73:TYR:HB2	2.31	0.66
2:ih:54:TYR:CE1	2:ih:73:TYR:HB2	2.31	0.66
2:lh:106:VAL:HG22	2:lh:110:ASP:HB2	1.77	0.66
2:qh:106:VAL:HG22	2:qh:110:ASP:HB2	1.77	0.66
2:rh:54:TYR:CE1	2:rh:73:TYR:HB2	2.31	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:6h:31:VAL:HG11	2:6h:106:VAL:HG11	1.78	0.66
2:7h:54:TYR:CE1	2:7h:73:TYR:HB2	2.31	0.66
1:B:242:THR:HG22	1:B:681:GLU:HB2	1.76	0.66
1:B:322:GLU:OE1	2:Bh:130:THR:HB	1.96	0.66
1:D:322:GLU:OE1	2:Dh:130:THR:HB	1.96	0.66
1:G:322:GLU:OE1	2:Gh:130:THR:HB	1.96	0.66
1:H:242:THR:HG22	1:H:681:GLU:HB2	1.76	0.66
1:W:242:THR:HG22	1:W:681:GLU:HB2	1.76	0.66
1:Y:242:THR:HG22	1:Y:681:GLU:HB2	1.76	0.66
1:a:322:GLU:OE1	2:ah:130:THR:HB	1.96	0.66
1:e:322:GLU:OE1	2:eh:130:THR:HB	1.96	0.66
1:h:322:GLU:OE1	2:hh:130:THR:HB	1.96	0.66
1:r:242:THR:HG22	1:r:681:GLU:HB2	1.76	0.66
1:y:322:GLU:OE1	2:yh:130:THR:HB	1.96	0.66
1:z:322:GLU:OE1	2:zh:130:THR:HB	1.96	0.66
1:5:322:GLU:OE1	2:5h:130:THR:HB	1.96	0.66
1:7:322:GLU:OE1	2:7h:130:THR:HB	1.96	0.66
2:Eh:54:TYR:CE1	2:Eh:73:TYR:HB2	2.31	0.66
2:Hh:31:VAL:HG11	2:Hh:106:VAL:HG11	1.78	0.66
2:Jh:54:TYR:CE1	2:Jh:73:TYR:HB2	2.31	0.66
2:Lh:31:VAL:HG11	2:Lh:106:VAL:HG11	1.78	0.66
2:Ph:54:TYR:CE1	2:Ph:73:TYR:HB2	2.31	0.66
2:Sh:31:VAL:HG11	2:Sh:106:VAL:HG11	1.78	0.66
2:Vh:37:LEU:CD2	2:Vh:149:VAL:HG11	2.16	0.66
2:Xh:54:TYR:CE1	2:Xh:73:TYR:HB2	2.31	0.66
2:ah:54:TYR:CE1	2:ah:73:TYR:HB2	2.31	0.66
2:jh:54:TYR:CE1	2:jh:73:TYR:HB2	2.31	0.66
2:sh:54:TYR:CE1	2:sh:73:TYR:HB2	2.31	0.66
2:1h:106:VAL:HG22	2:1h:110:ASP:HB2	1.77	0.66
2:5h:106:VAL:HG22	2:5h:110:ASP:HB2	1.77	0.66
3:DI:42:CYS:CB	3:DI:110:CYS:SG	2.84	0.66
3:HI:42:CYS:CB	3:HI:110:CYS:SG	2.84	0.66
3:OI:42:CYS:CB	3:OI:110:CYS:SG	2.84	0.66
3:TI:42:CYS:CB	3:TI:110:CYS:SG	2.84	0.66
3:YI:42:CYS:CB	3:YI:110:CYS:SG	2.84	0.66
3:dl:32:GLY:HA3	3:dl:100:LEU:HD13	1.77	0.66
3:gl:42:CYS:CB	3:gl:110:CYS:SG	2.84	0.66
3:yl:42:CYS:CB	3:yl:110:CYS:SG	2.84	0.66
1:K:242:THR:HG22	1:K:681:GLU:HB2	1.76	0.66
1:R:322:GLU:OE1	2:Rh:130:THR:HB	1.96	0.66
1:U:322:GLU:OE1	2:Uh:130:THR:HB	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:q:322:GLU:OE1	2:qh:130:THR:HB	1.96	0.66
1:y:242:THR:HG22	1:y:681:GLU:HB2	1.76	0.66
1:z:242:THR:HG22	1:z:681:GLU:HB2	1.76	0.66
2:Bh:106:VAL:HG22	2:Bh:110:ASP:HB2	1.77	0.66
2:Qh:54:TYR:CE1	2:Qh:73:TYR:HB2	2.31	0.66
2:Vh:106:VAL:HG22	2:Vh:110:ASP:HB2	1.77	0.66
2:fh:106:VAL:HG22	2:fh:110:ASP:HB2	1.77	0.66
2:kh:54:TYR:CE1	2:kh:73:TYR:HB2	2.31	0.66
2:ph:106:VAL:HG22	2:ph:110:ASP:HB2	1.77	0.66
2:wh:106:VAL:HG22	2:wh:110:ASP:HB2	1.77	0.66
2:3h:31:VAL:HG11	2:3h:106:VAL:HG11	1.78	0.66
2:6h:54:TYR:CE1	2:6h:73:TYR:HB2	2.31	0.66
3:Gl:42:CYS:CB	3:Gl:110:CYS:SG	2.84	0.66
3:Hl:32:GLY:HA3	3:Hl:100:LEU:HD13	1.77	0.66
3:Xl:42:CYS:CB	3:Xl:110:CYS:SG	2.84	0.66
3:ll:32:GLY:HA3	3:ll:100:LEU:HD13	1.77	0.66
3:ql:42:CYS:CB	3:ql:110:CYS:SG	2.84	0.66
3:ul:42:CYS:CB	3:ul:110:CYS:SG	2.84	0.66
3:4l:32:GLY:HA3	3:4l:100:LEU:HD13	1.77	0.66
1:E:322:GLU:OE1	2:Eh:130:THR:HB	1.96	0.66
1:V:322:GLU:OE1	2:Vh:130:THR:HB	1.95	0.66
1:j:242:THR:HG22	1:j:681:GLU:HB2	1.76	0.66
1:j:322:GLU:OE1	2:jh:130:THR:HB	1.96	0.66
2:Ch:54:TYR:CE1	2:Ch:73:TYR:HB2	2.31	0.66
2:Dh:54:TYR:CE1	2:Dh:73:TYR:HB2	2.31	0.66
2:Mh:54:TYR:CE1	2:Mh:73:TYR:HB2	2.31	0.66
2:Ph:31:VAL:HG11	2:Ph:106:VAL:HG11	1.78	0.66
2:Yh:31:VAL:HG11	2:Yh:106:VAL:HG11	1.78	0.66
2:Zh:54:TYR:CE1	2:Zh:73:TYR:HB2	2.31	0.66
2:ah:106:VAL:HG22	2:ah:110:ASP:HB2	1.77	0.66
2:ch:31:VAL:HG11	2:ch:106:VAL:HG11	1.78	0.66
2:dh:31:VAL:HG11	2:dh:106:VAL:HG11	1.78	0.66
2:nh:106:VAL:HG22	2:nh:110:ASP:HB2	1.77	0.66
2:yh:54:TYR:CE1	2:yh:73:TYR:HB2	2.31	0.66
2:Oh:54:TYR:CE1	2:Oh:73:TYR:HB2	2.31	0.66
2:4h:31:VAL:HG11	2:4h:106:VAL:HG11	1.78	0.66
2:4h:106:VAL:HG22	2:4h:110:ASP:HB2	1.77	0.66
3:Bl:32:GLY:HA3	3:Bl:100:LEU:HD13	1.77	0.66
3:Bl:42:CYS:CB	3:Bl:110:CYS:SG	2.84	0.66
3:Pl:53:ASN:HD22	3:Pl:53:ASN:N	1.94	0.66
3:Wl:53:ASN:HD22	3:Wl:53:ASN:N	1.94	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:pl:42:CYS:CB	3:pl:110:CYS:SG	2.84	0.66
3:wl:42:CYS:CB	3:wl:110:CYS:SG	2.84	0.66
3:zl:42:CYS:CB	3:zl:110:CYS:SG	2.84	0.66
3:ll:42:CYS:CB	3:ll:110:CYS:SG	2.84	0.66
1:K:322:GLU:OE1	2:Kh:130:THR:HB	1.96	0.66
1:P:322:GLU:OE1	2:Ph:130:THR:HB	1.96	0.66
1:r:322:GLU:OE1	2:rh:130:THR:HB	1.96	0.66
2:Eh:31:VAL:HG11	2:Eh:106:VAL:HG11	1.78	0.66
2:Kh:31:VAL:HG11	2:Kh:106:VAL:HG11	1.78	0.66
2:Rh:31:VAL:HG11	2:Rh:106:VAL:HG11	1.78	0.66
2:mh:54:TYR:CE1	2:mh:73:TYR:HB2	2.31	0.66
2:nh:54:TYR:CE1	2:nh:73:TYR:HB2	2.31	0.66
2:xh:54:TYR:CE1	2:xh:73:TYR:HB2	2.31	0.66
2:zh:106:VAL:HG22	2:zh:110:ASP:HB2	1.77	0.66
2:lh:54:TYR:CE1	2:lh:73:TYR:HB2	2.31	0.66
3:El:53:ASN:HD22	3:El:53:ASN:N	1.94	0.66
3:Il:53:ASN:HD22	3:Il:53:ASN:N	1.94	0.66
3:Jl:42:CYS:CB	3:Jl:110:CYS:SG	2.84	0.66
3:il:42:CYS:CB	3:il:110:CYS:SG	2.84	0.66
3:kl:53:ASN:HD22	3:kl:53:ASN:N	1.94	0.66
3:nl:42:CYS:CB	3:nl:110:CYS:SG	2.84	0.66
3:ol:42:CYS:CB	3:ol:110:CYS:SG	2.84	0.66
3:vl:42:CYS:CB	3:vl:110:CYS:SG	2.84	0.66
3:xl:42:CYS:CB	3:xl:110:CYS:SG	2.84	0.66
3:zl:32:GLY:HA3	3:zl:100:LEU:HD13	1.77	0.66
3:2l:32:GLY:HA3	3:2l:100:LEU:HD13	1.77	0.66
1:T:555:GLU:OE1	1:T:555:GLU:N	2.19	0.65
1:t:322:GLU:OE1	2:th:130:THR:HB	1.96	0.65
2:Hh:54:TYR:CE1	2:Hh:73:TYR:HB2	2.31	0.65
2:Ih:54:TYR:CE1	2:Ih:73:TYR:HB2	2.31	0.65
2:Yh:54:TYR:CE1	2:Yh:73:TYR:HB2	2.31	0.65
2:dh:106:VAL:HG22	2:dh:110:ASP:HB2	1.77	0.65
2:ph:54:TYR:CE1	2:ph:73:TYR:HB2	2.31	0.65
2:wh:54:TYR:CE1	2:wh:73:TYR:HB2	2.31	0.65
2:7h:106:VAL:HG22	2:7h:110:ASP:HB2	1.77	0.65
3:Cl:42:CYS:CB	3:Cl:110:CYS:SG	2.84	0.65
3:Tl:53:ASN:HD22	3:Tl:53:ASN:N	1.94	0.65
3:Vl:53:ASN:HD22	3:Vl:53:ASN:N	1.94	0.65
3:Wl:42:CYS:CB	3:Wl:110:CYS:SG	2.84	0.65
3:Yl:32:GLY:HA3	3:Yl:100:LEU:HD13	1.77	0.65
3:sl:53:ASN:HD22	3:sl:53:ASN:N	1.94	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:3l:32:GLY:HA3	3:3l:100:LEU:HD13	1.77	0.65
1:H:322:GLU:OE1	2:Hh:130:THR:HB	1.96	0.65
1:U:242:THR:HG22	1:U:681:GLU:HB2	1.76	0.65
1:f:322:GLU:OE1	2:fh:130:THR:HB	1.96	0.65
1:h:242:THR:HG22	1:h:681:GLU:HB2	1.76	0.65
1:i:322:GLU:OE1	2:ih:130:THR:HB	1.96	0.65
2:Nh:54:TYR:CE1	2:Nh:73:TYR:HB2	2.31	0.65
2:Wh:54:TYR:CE1	2:Wh:73:TYR:HB2	2.31	0.65
2:oh:54:TYR:CE1	2:oh:73:TYR:HB2	2.31	0.65
3:Sl:32:GLY:HA3	3:Sl:100:LEU:HD13	1.77	0.65
3:Vl:42:CYS:CB	3:Vl:110:CYS:SG	2.84	0.65
3:cl:32:GLY:HA3	3:cl:100:LEU:HD13	1.77	0.65
3:fl:53:ASN:HD22	3:fl:53:ASN:N	1.94	0.65
3:gl:53:ASN:HD22	3:gl:53:ASN:N	1.94	0.65
3:pl:32:GLY:HA3	3:pl:100:LEU:HD13	1.77	0.65
3:rl:42:CYS:CB	3:rl:110:CYS:SG	2.84	0.65
3:sl:32:GLY:HA3	3:sl:100:LEU:HD13	1.77	0.65
1:F:242:THR:HG22	1:F:681:GLU:HB2	1.76	0.65
1:N:242:THR:HG22	1:N:681:GLU:HB2	1.76	0.65
1:Y:322:GLU:OE1	2:Yh:130:THR:HB	1.96	0.65
1:m:322:GLU:OE1	2:mh:130:THR:HB	1.96	0.65
1:0:322:GLU:OE1	2:0h:130:THR:HB	1.96	0.65
2:Dh:31:VAL:HG11	2:Dh:106:VAL:HG11	1.78	0.65
2:Fh:54:TYR:CE1	2:Fh:73:TYR:HB2	2.31	0.65
2:Uh:37:LEU:CD2	2:Uh:149:VAL:HG11	2.16	0.65
2:Wh:106:VAL:HG22	2:Wh:110:ASP:HB2	1.77	0.65
2:ih:31:VAL:HG11	2:ih:106:VAL:HG11	1.78	0.65
2:th:31:VAL:HG11	2:th:106:VAL:HG11	1.78	0.65
2:3h:106:VAL:HG22	2:3h:110:ASP:HB2	1.77	0.65
3:El:42:CYS:CB	3:El:110:CYS:SG	2.84	0.65
3:Il:42:CYS:CB	3:Il:110:CYS:SG	2.84	0.65
3:Kl:42:CYS:CB	3:Kl:110:CYS:SG	2.84	0.65
3:Rl:42:CYS:CB	3:Rl:110:CYS:SG	2.84	0.65
3:Sl:53:ASN:HD22	3:Sl:53:ASN:N	1.94	0.65
3:el:42:CYS:CB	3:el:110:CYS:SG	2.84	0.65
3:fl:42:CYS:CB	3:fl:110:CYS:SG	2.84	0.65
3:kl:32:GLY:HA3	3:kl:100:LEU:HD13	1.77	0.65
3:ll:53:ASN:HD22	3:ll:53:ASN:N	1.94	0.65
3:tl:42:CYS:CB	3:tl:110:CYS:SG	2.84	0.65
3:wl:32:GLY:HA3	3:wl:100:LEU:HD13	1.77	0.65
3:2l:42:CYS:CB	3:2l:110:CYS:SG	2.84	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:5l:42:CYS:CB	3:5l:110:CYS:SG	2.84	0.65
1:z:555:GLU:OE1	1:z:555:GLU:N	2.19	0.65
1:4:322:GLU:OE1	2:4h:130:THR:HB	1.96	0.65
2:Ch:31:VAL:HG11	2:Ch:106:VAL:HG11	1.78	0.65
2:Rh:106:VAL:HG22	2:Rh:110:ASP:HB2	1.77	0.65
2:mh:31:VAL:HG11	2:mh:106:VAL:HG11	1.78	0.65
2:oh:37:LEU:CD2	2:oh:149:VAL:HG11	2.16	0.65
2:vh:54:TYR:CE1	2:vh:73:TYR:HB2	2.31	0.65
2:yh:31:VAL:HG11	2:yh:106:VAL:HG11	1.78	0.65
2:3h:37:LEU:CD2	2:3h:149:VAL:HG11	2.16	0.65
3:Cl:59:GLN:OE1	3:Cl:69:MET:HE3	1.97	0.65
3:Ll:32:GLY:HA3	3:Ll:100:LEU:HD13	1.77	0.65
3:Ll:53:ASN:HD22	3:Ll:53:ASN:N	1.94	0.65
3:Ml:59:GLN:OE1	3:Ml:69:MET:HE3	1.97	0.65
3:Ol:53:ASN:HD22	3:Ol:53:ASN:N	1.94	0.65
3:Pl:42:CYS:CB	3:Pl:110:CYS:SG	2.84	0.65
3:Ql:59:GLN:OE1	3:Ql:69:MET:HE3	1.97	0.65
3:Xl:110:CYS:O	3:Xl:122:GLY:N	2.23	0.65
3:al:42:CYS:CB	3:al:110:CYS:SG	2.84	0.65
3:bl:42:CYS:CB	3:bl:110:CYS:SG	2.84	0.65
3:bl:53:ASN:HD22	3:bl:53:ASN:N	1.94	0.65
3:dl:42:CYS:CB	3:dl:110:CYS:SG	2.84	0.65
3:ll:42:CYS:CB	3:ll:110:CYS:SG	2.84	0.65
3:pl:59:GLN:OE1	3:pl:69:MET:HE3	1.97	0.65
3:wl:59:GLN:OE1	3:wl:69:MET:HE3	1.97	0.65
3:yl:53:ASN:HD22	3:yl:53:ASN:N	1.94	0.65
3:1l:53:ASN:HD22	3:1l:53:ASN:N	1.94	0.65
3:2l:53:ASN:HD22	3:2l:53:ASN:N	1.94	0.65
3:3l:59:GLN:OE1	3:3l:69:MET:HE3	1.97	0.65
3:4l:42:CYS:CB	3:4l:110:CYS:SG	2.84	0.65
3:7l:42:CYS:CB	3:7l:110:CYS:SG	2.84	0.65
1:B:555:GLU:OE1	1:B:555:GLU:N	2.19	0.65
1:N:322:GLU:OE1	2:Nh:130:THR:HB	1.96	0.65
1:d:322:GLU:OE1	2:dh:130:THR:HB	1.96	0.65
1:g:555:GLU:OE1	1:g:555:GLU:N	2.19	0.65
1:n:322:GLU:OE1	2:nh:130:THR:HB	1.96	0.65
1:v:322:GLU:OE1	2:vh:130:THR:HB	1.96	0.65
1:1:322:GLU:OE1	2:1h:130:THR:HB	1.96	0.65
2:Fh:54:TYR:HE1	2:Fh:73:TYR:HB2	1.62	0.65
2:kh:31:VAL:HG11	2:kh:106:VAL:HG11	1.78	0.65
2:mh:54:TYR:HE1	2:mh:73:TYR:HB2	1.62	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:nh:31:VAL:HG11	2:nh:106:VAL:HG11	1.78	0.65
2:sh:31:VAL:HG11	2:sh:106:VAL:HG11	1.78	0.65
2:xh:31:VAL:HG11	2:xh:106:VAL:HG11	1.78	0.65
2:zh:54:TYR:CE1	2:zh:73:TYR:HB2	2.31	0.65
2:0h:54:TYR:HE1	2:0h:73:TYR:HB2	1.62	0.65
2:1h:31:VAL:HG11	2:1h:106:VAL:HG11	1.78	0.65
3:Al:42:CYS:CB	3:Al:110:CYS:SG	2.84	0.65
3:Al:53:ASN:HD22	3:Al:53:ASN:N	1.94	0.65
3:Bl:53:ASN:HD22	3:Bl:53:ASN:N	1.94	0.65
3:Bl:59:GLN:OE1	3:Bl:69:MET:HE3	1.97	0.65
3:Gl:53:ASN:HD22	3:Gl:53:ASN:N	1.94	0.65
3:Jl:53:ASN:HD22	3:Jl:53:ASN:N	1.94	0.65
3:Jl:59:GLN:OE1	3:Jl:69:MET:HE3	1.97	0.65
3:Xl:59:GLN:OE1	3:Xl:69:MET:HE3	1.97	0.65
3:cl:42:CYS:CB	3:cl:110:CYS:SG	2.84	0.65
3:cl:59:GLN:OE1	3:cl:69:MET:HE3	1.97	0.65
3:dl:59:GLN:OE1	3:dl:69:MET:HE3	1.97	0.65
3:jl:42:CYS:CB	3:jl:110:CYS:SG	2.84	0.65
3:nl:53:ASN:HD22	3:nl:53:ASN:N	1.94	0.65
3:ol:32:GLY:HA3	3:ol:100:LEU:HD13	1.77	0.65
3:vl:32:GLY:HA3	3:vl:100:LEU:HD13	1.77	0.65
3:xl:59:GLN:OE1	3:xl:69:MET:HE3	1.97	0.65
3:4l:59:GLN:OE1	3:4l:69:MET:HE3	1.97	0.65
3:7l:53:ASN:HD22	3:7l:53:ASN:N	1.94	0.65
2:Bh:54:TYR:CE1	2:Bh:73:TYR:HB2	2.31	0.65
2:Kh:106:VAL:HG22	2:Kh:110:ASP:HB2	1.77	0.65
2:Nh:54:TYR:HE1	2:Nh:73:TYR:HB2	1.62	0.65
2:Th:54:TYR:CE1	2:Th:73:TYR:HB2	2.31	0.65
2:Wh:31:VAL:HG11	2:Wh:106:VAL:HG11	1.78	0.65
2:ch:37:LEU:CD2	2:ch:149:VAL:HG11	2.16	0.65
2:ch:106:VAL:HG22	2:ch:110:ASP:HB2	1.77	0.65
2:gh:54:TYR:CE1	2:gh:73:TYR:HB2	2.31	0.65
2:nh:54:TYR:HE1	2:nh:73:TYR:HB2	1.62	0.65
2:qh:31:VAL:HG11	2:qh:106:VAL:HG11	1.78	0.65
2:uh:31:VAL:HG11	2:uh:106:VAL:HG11	1.78	0.65
2:0h:31:VAL:HG11	2:0h:106:VAL:HG11	1.78	0.65
2:1h:54:TYR:HE1	2:1h:73:TYR:HB2	1.62	0.65
3:Dl:53:ASN:HD22	3:Dl:53:ASN:N	1.94	0.65
3:Kl:59:GLN:OE1	3:Kl:69:MET:HE3	1.97	0.65
3:Nl:59:GLN:OE1	3:Nl:69:MET:HE3	1.97	0.65
3:Xl:53:ASN:HD22	3:Xl:53:ASN:N	1.94	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:cl:53:ASN:HD22	3:cl:53:ASN:N	1.94	0.65
3:ol:53:ASN:HD22	3:ol:53:ASN:N	1.94	0.65
3:ql:59:GLN:OE1	3:ql:69:MET:HE3	1.97	0.65
3:ul:59:GLN:OE1	3:ul:69:MET:HE3	1.97	0.65
3:vl:53:ASN:HD22	3:vl:53:ASN:N	1.94	0.65
3:zl:53:ASN:HD22	3:zl:53:ASN:N	1.94	0.65
3:zl:59:GLN:OE1	3:zl:69:MET:HE3	1.97	0.65
3:3l:42:CYS:CB	3:3l:110:CYS:SG	2.84	0.65
3:5l:32:GLY:HA3	3:5l:100:LEU:HD13	1.77	0.65
1:F:322:GLU:OE1	2:Fh:130:THR:HB	1.96	0.65
1:M:322:GLU:OE1	2:Mh:130:THR:HB	1.96	0.65
1:Q:322:GLU:OE1	2:Qh:130:THR:HB	1.96	0.65
1:W:322:GLU:OE1	2:Wh:130:THR:HB	1.96	0.65
2:Eh:54:TYR:HE1	2:Eh:73:TYR:HB2	1.62	0.65
2:Eh:106:VAL:HG22	2:Eh:110:ASP:HB2	1.77	0.65
2:Ih:31:VAL:HG11	2:Ih:106:VAL:HG11	1.78	0.65
2:Ih:106:VAL:HG22	2:Ih:110:ASP:HB2	1.77	0.65
2:jh:54:TYR:HE1	2:jh:73:TYR:HB2	1.62	0.65
2:rh:54:TYR:HE1	2:rh:73:TYR:HB2	1.62	0.65
2:3h:54:TYR:HE1	2:3h:73:TYR:HB2	1.62	0.65
2:5h:54:TYR:CE1	2:5h:73:TYR:HB2	2.31	0.65
3:Cl:53:ASN:HD22	3:Cl:53:ASN:N	1.94	0.65
3:Fl:59:GLN:OE1	3:Fl:69:MET:HE3	1.97	0.65
3:Rl:59:GLN:OE1	3:Rl:69:MET:HE3	1.97	0.65
3:Ul:53:ASN:HD22	3:Ul:53:ASN:N	1.94	0.65
3:Wl:59:GLN:OE1	3:Wl:69:MET:HE3	1.97	0.65
3:Zl:32:GLY:HA3	3:Zl:100:LEU:HD13	1.77	0.65
3:al:59:GLN:OE1	3:al:69:MET:HE3	1.97	0.65
3:el:32:GLY:HA3	3:el:100:LEU:HD13	1.77	0.65
3:hl:59:GLN:OE1	3:hl:69:MET:HE3	1.97	0.65
3:il:53:ASN:HD22	3:il:53:ASN:N	1.94	0.65
3:3l:53:ASN:HD22	3:3l:53:ASN:N	1.94	0.65
1:I:322:GLU:OE1	2:Ih:130:THR:HB	1.96	0.65
2:Ah:54:TYR:CE1	2:Ah:73:TYR:HB2	2.31	0.65
2:Xh:54:TYR:HE1	2:Xh:73:TYR:HB2	1.62	0.65
2:ch:54:TYR:HE1	2:ch:73:TYR:HB2	1.62	0.65
2:fh:54:TYR:HE1	2:fh:73:TYR:HB2	1.62	0.65
2:hh:37:LEU:CD2	2:hh:149:VAL:HG11	2.16	0.65
2:ih:54:TYR:HE1	2:ih:73:TYR:HB2	1.62	0.65
2:th:54:TYR:HE1	2:th:73:TYR:HB2	1.62	0.65
3:Fl:42:CYS:CB	3:Fl:110:CYS:SG	2.84	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Il:59:GLN:OE1	3:Il:69:MET:HE3	1.97	0.65
3:Jl:110:CYS:O	3:Jl:122:GLY:N	2.23	0.65
3:Zl:53:ASN:HD22	3:Zl:53:ASN:N	1.94	0.65
3:al:53:ASN:HD22	3:al:53:ASN:N	1.94	0.65
3:el:59:GLN:OE1	3:el:69:MET:HE3	1.97	0.65
3:hl:53:ASN:HD22	3:hl:53:ASN:N	1.94	0.65
3:il:59:GLN:OE1	3:il:69:MET:HE3	1.97	0.65
3:rl:59:GLN:OE1	3:rl:69:MET:HE3	1.97	0.65
3:xl:53:ASN:HD22	3:xl:53:ASN:N	1.94	0.65
3:5l:53:ASN:HD22	3:5l:53:ASN:N	1.94	0.65
3:6l:53:ASN:HD22	3:6l:53:ASN:N	1.94	0.65
3:7l:59:GLN:OE1	3:7l:69:MET:HE3	1.97	0.65
1:l:238:ARG:HG2	1:l:238:ARG:NH2	2.12	0.65
2:Bh:54:TYR:HE1	2:Bh:73:TYR:HB2	1.62	0.65
2:Ph:54:TYR:HE1	2:Ph:73:TYR:HB2	1.62	0.65
2:Ph:106:VAL:HG22	2:Ph:110:ASP:HB2	1.77	0.65
2:Vh:54:TYR:HE1	2:Vh:73:TYR:HB2	1.62	0.65
2:bh:31:VAL:HG11	2:bh:106:VAL:HG11	1.78	0.65
2:eh:54:TYR:CE1	2:eh:73:TYR:HB2	2.31	0.65
2:wh:54:TYR:HE1	2:wh:73:TYR:HB2	1.62	0.65
3:Nl:42:CYS:CB	3:Nl:110:CYS:SG	2.84	0.65
3:Ul:59:GLN:OE1	3:Ul:69:MET:HE3	1.97	0.65
3:Xl:32:GLY:HA3	3:Xl:100:LEU:HD13	1.77	0.65
3:el:53:ASN:HD22	3:el:53:ASN:N	1.94	0.65
3:Il:59:GLN:OE1	3:Il:69:MET:HE3	1.97	0.65
3:tl:59:GLN:OE1	3:tl:69:MET:HE3	1.97	0.65
3:2l:59:GLN:OE1	3:2l:69:MET:HE3	1.97	0.65
3:5l:59:GLN:OE1	3:5l:69:MET:HE3	1.97	0.65
3:6l:32:GLY:HA3	3:6l:100:LEU:HD13	1.77	0.65
2:Ah:31:VAL:HG11	2:Ah:106:VAL:HG11	1.78	0.65
2:Jh:54:TYR:HE1	2:Jh:73:TYR:HB2	1.62	0.65
2:Lh:54:TYR:CE1	2:Lh:73:TYR:HB2	2.31	0.65
2:Sh:54:TYR:CE1	2:Sh:73:TYR:HB2	2.31	0.65
2:Uh:106:VAL:HG22	2:Uh:110:ASP:HB2	1.77	0.65
2:bh:54:TYR:CE1	2:bh:73:TYR:HB2	2.31	0.65
2:hh:106:VAL:HG22	2:hh:110:ASP:HB2	1.77	0.65
2:lh:54:TYR:CE1	2:lh:73:TYR:HB2	2.31	0.65
2:oh:31:VAL:HG11	2:oh:106:VAL:HG11	1.78	0.65
2:ph:54:TYR:HE1	2:ph:73:TYR:HB2	1.62	0.65
2:zh:54:TYR:HE1	2:zh:73:TYR:HB2	1.62	0.65
2:2h:54:TYR:CE1	2:2h:73:TYR:HB2	2.31	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Vl:59:GLN:OE1	3:Vl:69:MET:HE3	1.97	0.65
3:fl:59:GLN:OE1	3:fl:69:MET:HE3	1.97	0.65
3:jl:59:GLN:OE1	3:jl:69:MET:HE3	1.97	0.65
2:Hh:106:VAL:HG22	2:Hh:110:ASP:HB2	1.77	0.64
2:Kh:54:TYR:HE1	2:Kh:73:TYR:HB2	1.62	0.64
2:Rh:54:TYR:HE1	2:Rh:73:TYR:HB2	1.62	0.64
2:Uh:31:VAL:HG11	2:Uh:106:VAL:HG11	1.78	0.64
2:Uh:54:TYR:CE1	2:Uh:73:TYR:HB2	2.31	0.64
2:dh:54:TYR:HE1	2:dh:73:TYR:HB2	1.62	0.64
2:hh:31:VAL:HG11	2:hh:106:VAL:HG11	1.78	0.64
2:4h:54:TYR:CE1	2:4h:73:TYR:HB2	2.31	0.64
2:4h:54:TYR:HE1	2:4h:73:TYR:HB2	1.62	0.64
2:5h:31:VAL:HG11	2:5h:106:VAL:HG11	1.78	0.64
3:Hl:53:ASN:HD22	3:Hl:53:ASN:N	1.94	0.64
3:Jl:32:GLY:HA3	3:Jl:100:LEU:HD13	1.77	0.64
3:kl:42:CYS:CB	3:kl:110:CYS:SG	2.84	0.64
3:ml:42:CYS:CB	3:ml:110:CYS:SG	2.84	0.64
3:sl:42:CYS:CB	3:sl:110:CYS:SG	2.84	0.64
3:ul:53:ASN:HD22	3:ul:53:ASN:N	1.94	0.64
3:Ol:42:CYS:CB	3:Ol:110:CYS:SG	2.84	0.64
2:Fh:31:VAL:HG11	2:Fh:106:VAL:HG11	1.78	0.64
2:Mh:31:VAL:HG11	2:Mh:106:VAL:HG11	1.78	0.64
2:Oh:54:TYR:CE1	2:Oh:73:TYR:HB2	2.31	0.64
2:Qh:54:TYR:HE1	2:Qh:73:TYR:HB2	1.62	0.64
2:Yh:106:VAL:HG22	2:Yh:110:ASP:HB2	1.77	0.64
2:dh:54:TYR:CE1	2:dh:73:TYR:HB2	2.31	0.64
2:eh:31:VAL:HG11	2:eh:106:VAL:HG11	1.78	0.64
2:hh:54:TYR:CE1	2:hh:73:TYR:HB2	2.31	0.64
2:sh:54:TYR:HE1	2:sh:73:TYR:HB2	1.62	0.64
2:vh:31:VAL:HG11	2:vh:106:VAL:HG11	1.78	0.64
3:Ql:53:ASN:HD22	3:Ql:53:ASN:N	1.94	0.64
3:Rl:53:ASN:HD22	3:Rl:53:ASN:N	1.94	0.64
3:Zl:59:GLN:OE1	3:Zl:69:MET:HE3	1.97	0.64
3:kl:59:GLN:OE1	3:kl:69:MET:HE3	1.97	0.64
3:rl:53:ASN:HD22	3:rl:53:ASN:N	1.94	0.64
3:sl:59:GLN:OE1	3:sl:69:MET:HE3	1.97	0.64
3:wl:53:ASN:HD22	3:wl:53:ASN:N	1.94	0.64
3:4l:53:ASN:HD22	3:4l:53:ASN:N	1.94	0.64
1:s:238:ARG:HG2	1:s:238:ARG:NH2	2.12	0.64
2:Gh:54:TYR:CE1	2:Gh:73:TYR:HB2	2.31	0.64
2:Oh:31:VAL:HG11	2:Oh:106:VAL:HG11	1.78	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:jh:31:VAL:HG11	2:jh:106:VAL:HG11	1.78	0.64
2:kh:54:TYR:HE1	2:kh:73:TYR:HB2	1.62	0.64
2:ph:31:VAL:HG11	2:ph:106:VAL:HG11	1.78	0.64
2:qh:54:TYR:CE1	2:qh:73:TYR:HB2	2.31	0.64
2:uh:54:TYR:CE1	2:uh:73:TYR:HB2	2.31	0.64
2:wh:31:VAL:HG11	2:wh:106:VAL:HG11	1.78	0.64
3:Gl:32:GLY:HA3	3:Gl:100:LEU:HD13	1.77	0.64
3:Ll:59:GLN:OE1	3:Ll:69:MET:HE3	1.97	0.64
3:MI:53:ASN:HD22	3:MI:53:ASN:N	1.94	0.64
3:Yl:53:ASN:HD22	3:Yl:53:ASN:N	1.94	0.64
3:dl:53:ASN:HD22	3:dl:53:ASN:N	1.94	0.64
3:jl:53:ASN:HD22	3:jl:53:ASN:N	1.94	0.64
3:pl:53:ASN:HD22	3:pl:53:ASN:N	1.94	0.64
3:ql:53:ASN:HD22	3:ql:53:ASN:N	1.94	0.64
1:b:322:GLU:OE1	2:bh:130:THR:HB	1.96	0.64
1:k:238:ARG:HG2	1:k:238:ARG:NH2	2.12	0.64
1:p:238:ARG:HG2	1:p:238:ARG:NH2	2.12	0.64
1:w:238:ARG:HG2	1:w:238:ARG:NH2	2.12	0.64
2:Ih:54:TYR:HE1	2:Ih:73:TYR:HB2	1.62	0.64
2:Mh:54:TYR:HE1	2:Mh:73:TYR:HB2	1.62	0.64
2:Sh:54:TYR:HE1	2:Sh:73:TYR:HB2	1.62	0.64
2:Wh:54:TYR:HE1	2:Wh:73:TYR:HB2	1.62	0.64
2:lh:54:TYR:HE1	2:lh:73:TYR:HB2	1.62	0.64
2:2h:31:VAL:HG11	2:2h:106:VAL:HG11	1.78	0.64
3:KI:53:ASN:HD22	3:KI:53:ASN:N	1.94	0.64
3:Ol:32:GLY:HA3	3:Ol:100:LEU:HD13	1.77	0.64
3:Sl:59:GLN:OE1	3:Sl:69:MET:HE3	1.97	0.64
3:ol:59:GLN:OE1	3:ol:69:MET:HE3	1.97	0.64
3:vl:59:GLN:OE1	3:vl:69:MET:HE3	1.97	0.64
3:6l:59:GLN:OE1	3:6l:69:MET:HE3	1.97	0.64
1:e:238:ARG:HG2	1:e:238:ARG:NH2	2.12	0.64
1:5:238:ARG:HG2	1:5:238:ARG:NH2	2.12	0.64
2:Gh:31:VAL:HG11	2:Gh:106:VAL:HG11	1.78	0.64
2:Nh:31:VAL:HG11	2:Nh:106:VAL:HG11	1.78	0.64
2:Qh:31:VAL:HG11	2:Qh:106:VAL:HG11	1.78	0.64
2:ch:54:TYR:CE1	2:ch:73:TYR:HB2	2.31	0.64
2:lh:31:VAL:HG11	2:lh:106:VAL:HG11	1.78	0.64
2:qh:54:TYR:HE1	2:qh:73:TYR:HB2	1.62	0.64
2:rh:31:VAL:HG11	2:rh:106:VAL:HG11	1.78	0.64
2:6h:54:TYR:HE1	2:6h:73:TYR:HB2	1.62	0.64
3:HI:59:GLN:OE1	3:HI:69:MET:HE3	1.97	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Ql:42:CYS:CB	3:Ql:110:CYS:SG	2.84	0.64
1:I:242:THR:HG22	1:I:681:GLU:CB	2.28	0.64
1:S:238:ARG:HG2	1:S:238:ARG:NH2	2.12	0.64
2:Ch:54:TYR:HE1	2:Ch:73:TYR:HB2	1.62	0.64
2:Jh:31:VAL:HG11	2:Jh:106:VAL:HG11	1.78	0.64
2:Lh:54:TYR:HE1	2:Lh:73:TYR:HB2	1.62	0.64
2:Th:31:VAL:HG11	2:Th:106:VAL:HG11	1.78	0.64
2:Th:106:VAL:HG22	2:Th:110:ASP:HB2	1.77	0.64
2:Zh:54:TYR:HE1	2:Zh:73:TYR:HB2	1.62	0.64
2:gh:106:VAL:HG22	2:gh:110:ASP:HB2	1.77	0.64
2:uh:54:TYR:HE1	2:uh:73:TYR:HB2	1.62	0.64
2:xh:54:TYR:HE1	2:xh:73:TYR:HB2	1.62	0.64
2:2h:54:TYR:HE1	2:2h:73:TYR:HB2	1.62	0.64
2:3h:54:TYR:CE1	2:3h:73:TYR:HB2	2.31	0.64
3:Nl:53:ASN:HD22	3:Nl:53:ASN:N	1.94	0.64
3:Yl:59:GLN:OE1	3:Yl:69:MET:HE3	1.97	0.64
1:F:242:THR:HG22	1:F:681:GLU:CB	2.28	0.64
1:K:242:THR:HG22	1:K:681:GLU:CB	2.28	0.64
1:N:242:THR:HG22	1:N:681:GLU:CB	2.28	0.64
1:R:242:THR:HG22	1:R:681:GLU:CB	2.28	0.64
1:W:242:THR:HG22	1:W:681:GLU:CB	2.28	0.64
1:Z:242:THR:HG22	1:Z:681:GLU:CB	2.28	0.64
1:l:242:THR:HG22	1:l:681:GLU:CB	2.28	0.64
2:Xh:31:VAL:HG11	2:Xh:106:VAL:HG11	1.78	0.64
2:fh:31:VAL:HG11	2:fh:106:VAL:HG11	1.78	0.64
2:xh:37:LEU:CD2	2:xh:149:VAL:HG11	2.16	0.64
3:Al:59:GLN:OE1	3:Al:69:MET:HE3	1.97	0.64
3:Fl:53:ASN:HD22	3:Fl:53:ASN:N	1.94	0.64
3:gl:59:GLN:OE1	3:gl:69:MET:HE3	1.97	0.64
1:L:238:ARG:HG2	1:L:238:ARG:NH2	2.12	0.64
1:2:242:THR:HG22	1:2:681:GLU:CB	2.28	0.64
1:6:242:THR:HG22	1:6:681:GLU:CB	2.28	0.64
2:Bh:31:VAL:HG11	2:Bh:106:VAL:HG11	1.78	0.64
2:Ch:37:LEU:CD2	2:Ch:149:VAL:HG11	2.16	0.64
2:Rh:54:TYR:CE1	2:Rh:73:TYR:HB2	2.31	0.64
2:zh:31:VAL:HG11	2:zh:106:VAL:HG11	1.78	0.64
3:Dl:59:GLN:OE1	3:Dl:69:MET:HE3	1.97	0.64
3:ml:42:CYS:CB	3:ml:110:CYS:SG	2.84	0.64
3:Ol:59:GLN:OE1	3:Ol:69:MET:HE3	1.97	0.64
1:D:242:THR:HG22	1:D:681:GLU:CB	2.28	0.64
1:a:242:THR:HG22	1:a:681:GLU:CB	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:242:THR:HG22	1:i:681:GLU:CB	2.28	0.64
1:o:322:GLU:OE1	2:oh:130:THR:HB	1.97	0.64
1:r:242:THR:HG22	1:r:681:GLU:CB	2.28	0.64
1:t:242:THR:HG22	1:t:681:GLU:CB	2.28	0.64
1:7:242:THR:HG22	1:7:681:GLU:CB	2.28	0.64
2:Dh:54:TYR:HE1	2:Dh:73:TYR:HB2	1.62	0.64
2:Kh:54:TYR:CE1	2:Kh:73:TYR:HB2	2.31	0.64
2:gh:31:VAL:HG11	2:gh:106:VAL:HG11	1.78	0.64
2:yh:54:TYR:HE1	2:yh:73:TYR:HB2	1.62	0.64
3:Gl:59:GLN:OE1	3:Gl:69:MET:HE3	1.97	0.64
3:Tl:59:GLN:OE1	3:Tl:69:MET:HE3	1.97	0.64
3:yl:59:GLN:OE1	3:yl:69:MET:HE3	1.97	0.64
1:M:242:THR:HG22	1:M:681:GLU:CB	2.28	0.64
1:c:242:THR:HG22	1:c:681:GLU:CB	2.28	0.64
1:e:242:THR:HG22	1:e:681:GLU:CB	2.28	0.64
1:j:242:THR:HG22	1:j:681:GLU:CB	2.28	0.64
1:v:242:THR:HG22	1:v:681:GLU:CB	2.28	0.64
1:y:242:THR:HG22	1:y:681:GLU:CB	2.28	0.64
1:3:242:THR:HG22	1:3:681:GLU:CB	2.28	0.64
1:7:238:ARG:HG2	1:7:238:ARG:NH2	2.12	0.64
2:Vh:31:VAL:HG11	2:Vh:106:VAL:HG11	1.78	0.64
3:bl:59:GLN:OE1	3:bl:69:MET:HE3	1.97	0.64
1:G:242:THR:HG22	1:G:681:GLU:CB	2.28	0.63
1:Q:242:THR:HG22	1:Q:681:GLU:CB	2.28	0.63
1:V:242:THR:HG22	1:V:681:GLU:CB	2.28	0.63
1:o:242:THR:HG22	1:o:681:GLU:CB	2.28	0.63
1:5:242:THR:HG22	1:5:681:GLU:CB	2.28	0.63
2:eh:54:TYR:HE1	2:eh:73:TYR:HB2	1.62	0.63
1:M:238:ARG:HG2	1:M:238:ARG:NH2	2.12	0.63
1:O:242:THR:HG22	1:O:681:GLU:CB	2.28	0.63
1:U:242:THR:HG22	1:U:681:GLU:CB	2.28	0.63
1:a:238:ARG:HG2	1:a:238:ARG:NH2	2.12	0.63
1:f:242:THR:HG22	1:f:681:GLU:CB	2.28	0.63
1:g:238:ARG:HG2	1:g:238:ARG:NH2	2.12	0.63
1:h:242:THR:HG22	1:h:681:GLU:CB	2.28	0.63
1:i:242:THR:HG22	1:i:681:GLU:HG3	1.81	0.63
1:n:242:THR:HG22	1:n:681:GLU:HG3	1.81	0.63
1:t:242:THR:HG22	1:t:681:GLU:HG3	1.81	0.63
1:v:242:THR:HG22	1:v:681:GLU:HG3	1.81	0.63
1:y:238:ARG:HG2	1:y:238:ARG:NH2	2.12	0.63
1:1:242:THR:HG22	1:1:681:GLU:HG3	1.81	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Yh:54:TYR:HE1	2:Yh:73:TYR:HB2	1.62	0.63
1:K:242:THR:HG22	1:K:681:GLU:HG3	1.80	0.63
1:Q:238:ARG:HG2	1:Q:238:ARG:NH2	2.12	0.63
1:a:242:THR:HG22	1:a:681:GLU:HG3	1.81	0.63
1:q:242:THR:HG22	1:q:681:GLU:CB	2.28	0.63
1:u:242:THR:HG22	1:u:681:GLU:CB	2.28	0.63
1:7:242:THR:HG22	1:7:681:GLU:HG3	1.81	0.63
2:Hh:54:TYR:HE1	2:Hh:73:TYR:HB2	1.62	0.63
2:ah:54:TYR:HE1	2:ah:73:TYR:HB2	1.62	0.63
2:7h:54:TYR:HE1	2:7h:73:TYR:HB2	1.62	0.63
3:tl:53:ASN:HD22	3:tl:53:ASN:N	1.94	0.63
1:D:238:ARG:HG2	1:D:238:ARG:NH2	2.12	0.63
1:G:242:THR:HG22	1:G:681:GLU:HG3	1.81	0.63
1:L:242:THR:HG22	1:L:681:GLU:CB	2.28	0.63
1:O:242:THR:HG22	1:O:681:GLU:HG3	1.81	0.63
1:S:242:THR:HG22	1:S:681:GLU:CB	2.28	0.63
1:T:238:ARG:HG2	1:T:238:ARG:NH2	2.12	0.63
1:o:242:THR:HG22	1:o:681:GLU:HG3	1.81	0.63
1:s:242:THR:HG22	1:s:681:GLU:HG3	1.81	0.63
2:5h:54:TYR:HE1	2:5h:73:TYR:HB2	1.62	0.63
3:ml:59:GLN:OE1	3:ml:69:MET:HE3	1.97	0.63
3:Ol:53:ASN:HD22	3:Ol:53:ASN:N	1.94	0.63
3:Ol:59:GLN:OE1	3:Ol:69:MET:HE3	1.97	0.63
1:T:242:THR:HG22	1:T:681:GLU:CB	2.28	0.63
1:T:242:THR:HG22	1:T:681:GLU:HG3	1.81	0.63
1:c:242:THR:HG22	1:c:681:GLU:CG	2.29	0.63
1:k:242:THR:HG22	1:k:681:GLU:HG3	1.81	0.63
1:4:242:THR:HG22	1:4:681:GLU:CB	2.28	0.63
2:Ah:54:TYR:HE1	2:Ah:73:TYR:HB2	1.62	0.63
2:Th:54:TYR:HE1	2:Th:73:TYR:HB2	1.62	0.63
3:Il:59:GLN:OE1	3:Il:69:MET:HE3	1.97	0.63
1:B:242:THR:HG22	1:B:681:GLU:CB	2.28	0.63
1:J:242:THR:HG22	1:J:681:GLU:CG	2.29	0.63
1:L:242:THR:HG22	1:L:681:GLU:HG3	1.81	0.63
1:R:242:THR:HG22	1:R:681:GLU:HG3	1.81	0.63
1:X:242:THR:HG22	1:X:681:GLU:CG	2.29	0.63
1:d:242:THR:HG22	1:d:681:GLU:CB	2.28	0.63
1:g:242:THR:HG22	1:g:681:GLU:CB	2.28	0.63
1:g:242:THR:HG22	1:g:681:GLU:HG3	1.81	0.63
1:i:242:THR:HG22	1:i:681:GLU:CG	2.29	0.63
1:t:242:THR:HG22	1:t:681:GLU:CG	2.29	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:v:242:THR:HG22	1:v:681:GLU:CG	2.29	0.63
1:z:242:THR:HG22	1:z:681:GLU:HG3	1.81	0.63
1:3:242:THR:HG22	1:3:681:GLU:CG	2.29	0.63
2:bh:54:TYR:HE1	2:bh:73:TYR:HB2	1.62	0.63
1:A:242:THR:HG22	1:A:681:GLU:CB	2.28	0.63
1:B:242:THR:HG22	1:B:681:GLU:HG3	1.81	0.63
1:G:242:THR:HG22	1:G:681:GLU:CG	2.29	0.63
1:H:242:THR:HG22	1:H:681:GLU:CB	2.28	0.63
1:I:242:THR:HG22	1:I:681:GLU:CG	2.29	0.63
1:S:242:THR:HG22	1:S:681:GLU:HG3	1.81	0.63
1:W:242:THR:HG22	1:W:681:GLU:CG	2.29	0.63
1:X:242:THR:HG22	1:X:681:GLU:CB	2.28	0.63
1:e:242:THR:HG22	1:e:681:GLU:HG3	1.81	0.63
1:k:242:THR:HG22	1:k:681:GLU:CG	2.29	0.63
1:o:242:THR:HG22	1:o:681:GLU:CG	2.29	0.63
1:s:242:THR:HG22	1:s:681:GLU:CG	2.29	0.63
1:5:242:THR:HG22	1:5:681:GLU:HG3	1.81	0.63
3:ml:53:ASN:HD22	3:ml:53:ASN:N	1.94	0.63
1:A:242:THR:HG22	1:A:681:GLU:HG3	1.81	0.63
1:D:242:THR:HG22	1:D:681:GLU:CG	2.29	0.63
1:J:242:THR:HG22	1:J:681:GLU:CB	2.28	0.63
1:O:242:THR:HG22	1:O:681:GLU:CG	2.29	0.63
1:Y:242:THR:HG22	1:Y:681:GLU:CB	2.28	0.63
1:m:242:THR:HG22	1:m:681:GLU:CG	2.29	0.63
1:p:242:THR:HG22	1:p:681:GLU:CG	2.29	0.63
1:0:242:THR:HG22	1:0:681:GLU:CG	2.29	0.63
2:gh:54:TYR:HE1	2:gh:73:TYR:HB2	1.62	0.63
2:rh:37:LEU:CD2	2:rh:149:VAL:HG11	2.16	0.63
2:vh:37:LEU:CD2	2:vh:149:VAL:HG11	2.16	0.63
3:nl:59:GLN:OE1	3:nl:69:MET:HE3	1.97	0.63
1:H:242:THR:HG22	1:H:681:GLU:CG	2.29	0.63
1:Y:242:THR:HG22	1:Y:681:GLU:CG	2.29	0.63
1:b:242:THR:HG22	1:b:681:GLU:CB	2.28	0.63
1:f:242:THR:HG22	1:f:681:GLU:CG	2.29	0.63
1:w:242:THR:HG22	1:w:681:GLU:CB	2.28	0.63
1:w:242:THR:HG22	1:w:681:GLU:CG	2.29	0.63
1:z:242:THR:HG22	1:z:681:GLU:CB	2.28	0.63
2:Gh:54:TYR:HE1	2:Gh:73:TYR:HB2	1.62	0.63
2:Oh:54:TYR:HE1	2:Oh:73:TYR:HB2	1.62	0.63
1:H:242:THR:HG22	1:H:681:GLU:HG3	1.81	0.62
1:L:242:THR:HG22	1:L:681:GLU:CG	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:V:242:THR:HG22	1:V:681:GLU:CG	2.29	0.62
1:Z:242:THR:HG22	1:Z:681:GLU:HG3	1.81	0.62
1:b:242:THR:HG22	1:b:681:GLU:HG3	1.81	0.62
1:j:242:THR:HG22	1:j:681:GLU:CG	2.29	0.62
1:k:242:THR:HG22	1:k:681:GLU:CB	2.28	0.62
1:x:242:THR:HG22	1:x:681:GLU:CB	2.28	0.62
1:y:242:THR:HG22	1:y:681:GLU:CG	2.29	0.62
2:Vh:37:LEU:HD12	2:Vh:39:LEU:HD11	1.81	0.62
2:Xh:37:LEU:HD12	2:Xh:39:LEU:HD11	1.81	0.62
3:Pl:59:GLN:OE1	3:Pl:69:MET:HE3	1.97	0.62
1:A:242:THR:HG22	1:A:681:GLU:CG	2.29	0.62
1:B:242:THR:HG22	1:B:681:GLU:CG	2.29	0.62
1:C:242:THR:HG22	1:C:681:GLU:CB	2.28	0.62
1:J:242:THR:HG22	1:J:681:GLU:HG3	1.81	0.62
1:S:242:THR:HG22	1:S:681:GLU:CG	2.29	0.62
1:X:242:THR:HG22	1:X:681:GLU:HG3	1.81	0.62
1:Y:242:THR:HG22	1:Y:681:GLU:HG3	1.81	0.62
1:p:242:THR:HG22	1:p:681:GLU:CB	2.28	0.62
1:q:242:THR:HG22	1:q:681:GLU:CG	2.29	0.62
1:r:242:THR:HG22	1:r:681:GLU:CG	2.29	0.62
1:s:242:THR:HG22	1:s:681:GLU:CB	2.28	0.62
1:x:242:THR:HG22	1:x:681:GLU:CG	2.29	0.62
2:Jh:37:LEU:HD12	2:Jh:39:LEU:HD11	1.81	0.62
2:Mh:37:LEU:HD12	2:Mh:39:LEU:HD11	1.81	0.62
2:Qh:37:LEU:HD12	2:Qh:39:LEU:HD11	1.81	0.62
2:hh:54:TYR:HE1	2:hh:73:TYR:HB2	1.62	0.62
1:C:242:THR:HG22	1:C:681:GLU:CG	2.29	0.62
1:b:242:THR:HG22	1:b:681:GLU:CG	2.29	0.62
1:d:242:THR:HG22	1:d:681:GLU:HG3	1.81	0.62
1:m:242:THR:HG22	1:m:681:GLU:HG3	1.81	0.62
1:u:242:THR:HG22	1:u:681:GLU:CG	2.29	0.62
1:w:242:THR:HG22	1:w:681:GLU:HG3	1.81	0.62
1:z:242:THR:HG22	1:z:681:GLU:CG	2.29	0.62
1:4:242:THR:HG22	1:4:681:GLU:HG3	1.81	0.62
1:6:242:THR:HG22	1:6:681:GLU:HG3	1.81	0.62
2:bh:37:LEU:HD12	2:bh:39:LEU:HD11	1.81	0.62
3:El:59:GLN:OE1	3:El:69:MET:HE3	1.97	0.62
3:Nl:45:THR:O	3:Nl:52:TYR:OH	2.18	0.62
3:Zl:45:THR:O	3:Zl:52:TYR:OH	2.18	0.62
3:6l:45:THR:O	3:6l:52:TYR:OH	2.18	0.62
1:G:238:ARG:HG2	1:G:238:ARG:NH2	2.12	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:242:THR:HG22	1:P:681:GLU:CB	2.28	0.62
1:k:578:SER:HB3	1:k:592:THR:CG2	2.30	0.62
1:s:578:SER:HB3	1:s:592:THR:CG2	2.30	0.62
1:0:242:THR:HG22	1:0:681:GLU:HG3	1.81	0.62
2:Uh:54:TYR:HE1	2:Uh:73:TYR:HB2	1.62	0.62
2:jh:37:LEU:CD2	2:jh:149:VAL:HG11	2.16	0.62
3:Cl:45:THR:O	3:Cl:52:TYR:OH	2.18	0.62
3:Fl:45:THR:O	3:Fl:52:TYR:OH	2.18	0.62
3:4l:45:THR:O	3:4l:52:TYR:OH	2.18	0.62
1:E:242:THR:HG22	1:E:681:GLU:CB	2.28	0.62
1:E:578:SER:HB3	1:E:592:THR:CG2	2.30	0.62
1:K:242:THR:HG22	1:K:681:GLU:CG	2.29	0.62
1:O:238:ARG:HG2	1:O:238:ARG:NH2	2.12	0.62
1:P:578:SER:HB3	1:P:592:THR:CG2	2.30	0.62
1:U:242:THR:HG22	1:U:681:GLU:HG3	1.81	0.62
1:Z:578:SER:HB3	1:Z:592:THR:CG2	2.30	0.62
1:f:242:THR:HG22	1:f:681:GLU:HG3	1.81	0.62
1:1:242:THR:HG22	1:1:681:GLU:CB	2.28	0.62
1:3:242:THR:HG22	1:3:681:GLU:HG3	1.81	0.62
1:6:578:SER:HB3	1:6:592:THR:CG2	2.30	0.62
2:Ah:37:LEU:HD12	2:Ah:39:LEU:HD11	1.81	0.62
2:Th:37:LEU:HD12	2:Th:39:LEU:HD11	1.81	0.62
2:Zh:36:THR:CG2	2:Zh:103:LEU:O	2.48	0.62
2:fh:37:LEU:HD12	2:fh:39:LEU:HD11	1.81	0.62
2:jh:37:LEU:HD12	2:jh:39:LEU:HD11	1.81	0.62
2:rh:37:LEU:HD12	2:rh:39:LEU:HD11	1.81	0.62
3:Dl:45:THR:O	3:Dl:52:TYR:OH	2.18	0.62
3:dl:45:THR:O	3:dl:52:TYR:OH	2.18	0.62
3:xl:45:THR:O	3:xl:52:TYR:OH	2.18	0.62
3:yl:45:THR:O	3:yl:52:TYR:OH	2.18	0.62
1:E:242:THR:HG22	1:E:681:GLU:HG3	1.81	0.62
1:H:578:SER:HB3	1:H:592:THR:CG2	2.30	0.62
1:V:242:THR:HG22	1:V:681:GLU:HG3	1.81	0.62
1:Y:578:SER:HB3	1:Y:592:THR:CG2	2.30	0.62
1:g:242:THR:HG22	1:g:681:GLU:CG	2.29	0.62
1:m:242:THR:HG22	1:m:681:GLU:CB	2.28	0.62
1:n:242:THR:HG22	1:n:681:GLU:CB	2.28	0.62
1:p:242:THR:HG22	1:p:681:GLU:HG3	1.81	0.62
1:p:578:SER:HB3	1:p:592:THR:CG2	2.30	0.62
1:w:578:SER:HB3	1:w:592:THR:CG2	2.30	0.62
1:0:578:SER:HB3	1:0:592:THR:CG2	2.30	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Dh:36:THR:CG2	2:Dh:103:LEU:O	2.48	0.62
2:Vh:36:THR:CG2	2:Vh:103:LEU:O	2.48	0.62
2:fh:36:THR:CG2	2:fh:103:LEU:O	2.48	0.62
2:ih:36:THR:CG2	2:ih:103:LEU:O	2.48	0.62
2:oh:54:TYR:HE1	2:oh:73:TYR:HB2	1.62	0.62
2:qh:36:THR:CG2	2:qh:103:LEU:O	2.48	0.62
2:uh:36:THR:CG2	2:uh:103:LEU:O	2.48	0.62
2:vh:54:TYR:HE1	2:vh:73:TYR:HB2	1.62	0.62
2:yh:36:THR:CG2	2:yh:103:LEU:O	2.48	0.62
2:6h:36:THR:CG2	2:6h:103:LEU:O	2.48	0.62
3:Kl:45:THR:O	3:Kl:52:TYR:OH	2.18	0.62
3:Rl:45:THR:O	3:Rl:52:TYR:OH	2.18	0.62
3:Ul:45:THR:O	3:Ul:52:TYR:OH	2.18	0.62
1:B:578:SER:HB3	1:B:592:THR:CG2	2.30	0.62
1:T:242:THR:HG22	1:T:681:GLU:CG	2.29	0.62
1:U:242:THR:HG22	1:U:681:GLU:CG	2.29	0.62
1:W:242:THR:HG22	1:W:681:GLU:HG3	1.81	0.62
1:c:242:THR:HG22	1:c:681:GLU:HG3	1.81	0.62
1:h:242:THR:HG22	1:h:681:GLU:CG	2.29	0.62
1:h:242:THR:HG22	1:h:681:GLU:HG3	1.81	0.62
1:j:578:SER:HB3	1:j:592:THR:CG2	2.30	0.62
1:l:242:THR:HG22	1:l:681:GLU:CG	2.29	0.62
1:m:578:SER:HB3	1:m:592:THR:CG2	2.30	0.62
1:z:578:SER:HB3	1:z:592:THR:CG2	2.30	0.62
1:7:242:THR:HG22	1:7:681:GLU:CG	2.29	0.62
2:Ch:37:LEU:HD12	2:Ch:39:LEU:HD11	1.81	0.62
2:Sh:36:THR:CG2	2:Sh:103:LEU:O	2.48	0.62
2:gh:37:LEU:HD12	2:gh:39:LEU:HD11	1.81	0.62
2:mh:37:LEU:HD12	2:mh:39:LEU:HD11	1.81	0.62
2:th:36:THR:CG2	2:th:103:LEU:O	2.48	0.62
2:xh:37:LEU:HD12	2:xh:39:LEU:HD11	1.81	0.62
3:Il:45:THR:O	3:Il:52:TYR:OH	2.18	0.62
3:Wl:45:THR:O	3:Wl:52:TYR:OH	2.18	0.62
3:bl:45:THR:O	3:bl:52:TYR:OH	2.18	0.62
3:hl:45:THR:O	3:hl:52:TYR:OH	2.18	0.62
1:P:242:THR:HG22	1:P:681:GLU:HG3	1.81	0.62
1:R:242:THR:HG22	1:R:681:GLU:CG	2.29	0.62
1:Z:242:THR:HG22	1:Z:681:GLU:CG	2.29	0.62
1:a:242:THR:HG22	1:a:681:GLU:CG	2.29	0.62
1:r:578:SER:HB3	1:r:592:THR:CG2	2.30	0.62
1:0:242:THR:HG22	1:0:681:GLU:CB	2.28	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:2:242:THR:HG22	1:2:681:GLU:CG	2.29	0.62
2:Hh:37:LEU:HD12	2:Hh:39:LEU:HD11	1.81	0.62
2:Lh:36:THR:CG2	2:Lh:103:LEU:O	2.48	0.62
2:Yh:37:LEU:HD12	2:Yh:39:LEU:HD11	1.81	0.62
2:Zh:37:LEU:HD12	2:Zh:39:LEU:HD11	1.81	0.62
2:eh:37:LEU:HD12	2:eh:39:LEU:HD11	1.81	0.62
2:0h:37:LEU:HD12	2:0h:39:LEU:HD11	1.81	0.62
2:3h:36:THR:CG2	2:3h:103:LEU:O	2.48	0.62
2:5h:37:LEU:HD12	2:5h:39:LEU:HD11	1.81	0.62
2:6h:37:LEU:HD12	2:6h:39:LEU:HD11	1.81	0.62
3:Ql:45:THR:O	3:Ql:52:TYR:OH	2.18	0.62
3:kl:45:THR:O	3:kl:52:TYR:OH	2.18	0.62
3:sl:45:THR:O	3:sl:52:TYR:OH	2.18	0.62
1:C:578:SER:HB3	1:C:592:THR:CG2	2.30	0.62
1:F:242:THR:HG22	1:F:681:GLU:HG3	1.81	0.62
1:F:578:SER:HB3	1:F:592:THR:CG2	2.30	0.62
1:I:242:THR:HG22	1:I:681:GLU:HG3	1.81	0.62
1:d:578:SER:HB3	1:d:592:THR:CG2	2.30	0.62
1:e:578:SER:HB3	1:e:592:THR:CG2	2.30	0.62
1:n:242:THR:HG22	1:n:681:GLU:CG	2.29	0.62
1:x:242:THR:HG22	1:x:681:GLU:HG3	1.81	0.62
1:1:242:THR:HG22	1:1:681:GLU:CG	2.29	0.62
1:4:578:SER:HB3	1:4:592:THR:CG2	2.30	0.62
1:5:578:SER:HB3	1:5:592:THR:CG2	2.30	0.62
1:6:242:THR:HG22	1:6:681:GLU:CG	2.29	0.62
2:Hh:36:THR:CG2	2:Hh:103:LEU:O	2.48	0.62
2:ch:36:THR:CG2	2:ch:103:LEU:O	2.48	0.62
2:7h:37:LEU:HD12	2:7h:39:LEU:HD11	1.81	0.62
3:Ml:45:THR:O	3:Ml:52:TYR:OH	2.18	0.62
3:al:45:THR:O	3:al:52:TYR:OH	2.18	0.62
3:7l:45:THR:O	3:7l:52:TYR:OH	2.18	0.62
1:M:578:SER:HB3	1:M:592:THR:CG2	2.30	0.62
1:N:578:SER:HB3	1:N:592:THR:CG2	2.30	0.62
1:Q:578:SER:HB3	1:Q:592:THR:CG2	2.30	0.62
1:T:578:SER:HB3	1:T:592:THR:CG2	2.30	0.62
1:d:242:THR:HG22	1:d:681:GLU:CG	2.29	0.62
1:l:242:THR:HG22	1:l:681:GLU:HG3	1.81	0.62
1:x:578:SER:HB3	1:x:592:THR:CG2	2.30	0.62
2:Oh:36:THR:CG2	2:Oh:103:LEU:O	2.48	0.62
2:Qh:36:THR:CG2	2:Qh:103:LEU:O	2.48	0.62
2:Wh:36:THR:CG2	2:Wh:103:LEU:O	2.48	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Yh:36:THR:CG2	2:Yh:103:LEU:O	2.48	0.62
2:ah:37:LEU:HD12	2:ah:39:LEU:HD11	1.81	0.62
2:eh:36:THR:CG2	2:eh:103:LEU:O	2.48	0.62
2:1h:36:THR:CG2	2:1h:103:LEU:O	2.48	0.62
3:Al:45:THR:O	3:Al:52:TYR:OH	2.18	0.62
1:H:238:ARG:HG2	1:H:238:ARG:NH2	2.12	0.61
1:N:242:THR:HG22	1:N:681:GLU:HG3	1.81	0.61
1:W:578:SER:HB3	1:W:592:THR:CG2	2.30	0.61
1:g:578:SER:HB3	1:g:592:THR:CG2	2.30	0.61
1:4:242:THR:HG22	1:4:681:GLU:CG	2.29	0.61
2:Fh:36:THR:CG2	2:Fh:103:LEU:O	2.48	0.61
2:Gh:36:THR:CG2	2:Gh:103:LEU:O	2.48	0.61
2:Ih:36:THR:CG2	2:Ih:103:LEU:O	2.48	0.61
2:Mh:36:THR:CG2	2:Mh:103:LEU:O	2.48	0.61
2:Ph:37:LEU:HD12	2:Ph:39:LEU:HD11	1.81	0.61
2:jh:36:THR:CG2	2:jh:103:LEU:O	2.48	0.61
2:nh:36:THR:CG2	2:nh:103:LEU:O	2.48	0.61
2:wh:36:THR:CG2	2:wh:103:LEU:O	2.48	0.61
2:5h:36:THR:CG2	2:5h:103:LEU:O	2.48	0.61
3:Vl:45:THR:O	3:Vl:52:TYR:OH	2.18	0.61
1:A:578:SER:HB3	1:A:592:THR:CG2	2.30	0.61
1:C:238:ARG:HG2	1:C:238:ARG:NH2	2.12	0.61
1:C:242:THR:HG22	1:C:681:GLU:HG3	1.81	0.61
1:D:242:THR:HG22	1:D:681:GLU:HG3	1.81	0.61
1:G:578:SER:HB3	1:G:592:THR:CG2	2.30	0.61
1:I:578:SER:HB3	1:I:592:THR:CG2	2.30	0.61
1:M:242:THR:HG22	1:M:681:GLU:HG3	1.81	0.61
1:O:578:SER:HB3	1:O:592:THR:CG2	2.30	0.61
1:Q:242:THR:HG22	1:Q:681:GLU:HG3	1.81	0.61
1:x:238:ARG:HG2	1:x:238:ARG:NH2	2.12	0.61
1:y:578:SER:HB3	1:y:592:THR:CG2	2.30	0.61
1:2:242:THR:HG22	1:2:681:GLU:HG3	1.81	0.61
2:Bh:36:THR:CG2	2:Bh:103:LEU:O	2.48	0.61
2:Nh:36:THR:CG2	2:Nh:103:LEU:O	2.48	0.61
2:ph:36:THR:CG2	2:ph:103:LEU:O	2.48	0.61
2:rh:36:THR:CG2	2:rh:103:LEU:O	2.48	0.61
2:2h:36:THR:CG2	2:2h:103:LEU:O	2.48	0.61
2:7h:36:THR:CG2	2:7h:103:LEU:O	2.48	0.61
3:Ul:58:TYR:HE2	3:Ul:111:CYS:CB	2.14	0.61
3:dl:58:TYR:HE2	3:dl:111:CYS:CB	2.14	0.61
3:fl:45:THR:O	3:fl:52:TYR:OH	2.18	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:gl:58:TYR:HE2	3:gl:111:CYS:CB	2.14	0.61
3:pl:58:TYR:HE2	3:pl:111:CYS:CB	2.14	0.61
3:4l:58:TYR:HE2	3:4l:111:CYS:CB	2.14	0.61
1:D:578:SER:HB3	1:D:592:THR:CG2	2.30	0.61
1:E:242:THR:HG22	1:E:681:GLU:CG	2.29	0.61
1:N:242:THR:HG22	1:N:681:GLU:CG	2.29	0.61
1:P:242:THR:HG22	1:P:681:GLU:CG	2.29	0.61
1:S:578:SER:HB3	1:S:592:THR:CG2	2.30	0.61
1:h:732:THR:HG21	1:u:389:ARG:HG3	1.83	0.61
2:Eh:37:LEU:HD12	2:Eh:39:LEU:HD11	1.81	0.61
2:Kh:36:THR:CG2	2:Kh:103:LEU:O	2.48	0.61
2:Rh:36:THR:CG2	2:Rh:103:LEU:O	2.48	0.61
2:ah:36:THR:CG2	2:ah:103:LEU:O	2.48	0.61
2:lh:36:THR:CG2	2:lh:103:LEU:O	2.48	0.61
2:zh:36:THR:CG2	2:zh:103:LEU:O	2.48	0.61
3:Ml:58:TYR:HE2	3:Ml:111:CYS:CB	2.14	0.61
3:Ql:58:TYR:HE2	3:Ql:111:CYS:CB	2.14	0.61
3:Sl:45:THR:O	3:Sl:52:TYR:OH	2.18	0.61
3:Tl:45:THR:O	3:Tl:52:TYR:OH	2.18	0.61
3:Tl:58:TYR:HE2	3:Tl:111:CYS:CB	2.14	0.61
3:gl:45:THR:O	3:gl:52:TYR:OH	2.18	0.61
3:hl:58:TYR:HE2	3:hl:111:CYS:CB	2.14	0.61
3:ql:45:THR:O	3:ql:52:TYR:OH	2.18	0.61
3:ul:45:THR:O	3:ul:52:TYR:OH	2.18	0.61
3:wl:58:TYR:HE2	3:wl:111:CYS:CB	2.14	0.61
3:2l:45:THR:O	3:2l:52:TYR:OH	2.18	0.61
1:J:578:SER:HB3	1:J:592:THR:CG2	2.30	0.61
1:Y:238:ARG:HG2	1:Y:238:ARG:NH2	2.12	0.61
1:b:578:SER:HB3	1:b:592:THR:CG2	2.30	0.61
1:e:242:THR:HG22	1:e:681:GLU:CG	2.29	0.61
1:f:578:SER:HB3	1:f:592:THR:CG2	2.30	0.61
1:u:242:THR:HG22	1:u:681:GLU:HG3	1.81	0.61
1:y:242:THR:HG22	1:y:681:GLU:HG3	1.81	0.61
2:Kh:37:LEU:HD12	2:Kh:39:LEU:HD11	1.81	0.61
3:Al:58:TYR:HE2	3:Al:111:CYS:CB	2.14	0.61
3:Jl:45:THR:O	3:Jl:52:TYR:OH	2.18	0.61
3:Ll:45:THR:O	3:Ll:52:TYR:OH	2.18	0.61
3:Yl:45:THR:O	3:Yl:52:TYR:OH	2.18	0.61
3:bl:58:TYR:HE2	3:bl:111:CYS:CB	2.14	0.61
3:el:58:TYR:HE2	3:el:111:CYS:CB	2.14	0.61
3:jl:58:TYR:HE2	3:jl:111:CYS:CB	2.14	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:rl:58:TYR:HE2	3:rl:111:CYS:CB	2.14	0.61
3:5l:58:TYR:HE2	3:5l:111:CYS:CB	2.14	0.61
1:F:242:THR:HG22	1:F:681:GLU:CG	2.29	0.61
1:L:578:SER:HB3	1:L:592:THR:CG2	2.30	0.61
1:Q:242:THR:HG22	1:Q:681:GLU:CG	2.29	0.61
1:U:578:SER:HB3	1:U:592:THR:CG2	2.30	0.61
1:X:578:SER:HB3	1:X:592:THR:CG2	2.30	0.61
1:h:578:SER:HB3	1:h:592:THR:CG2	2.30	0.61
1:4:238:ARG:HG2	1:4:238:ARG:NH2	2.12	0.61
2:Uh:36:THR:CG2	2:Uh:103:LEU:O	2.48	0.61
2:oh:36:THR:CG2	2:oh:103:LEU:O	2.48	0.61
2:yh:37:LEU:HD12	2:yh:39:LEU:HD11	1.81	0.61
3:Gl:58:TYR:HE2	3:Gl:111:CYS:CB	2.14	0.61
3:Hl:58:TYR:HE2	3:Hl:111:CYS:HB2	1.66	0.61
3:Xl:45:THR:O	3:Xl:52:TYR:OH	2.18	0.61
3:cl:45:THR:O	3:cl:52:TYR:OH	2.18	0.61
3:ll:45:THR:O	3:ll:52:TYR:OH	2.18	0.61
3:ml:45:THR:O	3:ml:52:TYR:OH	2.18	0.61
3:wl:45:THR:O	3:wl:52:TYR:OH	2.18	0.61
3:1l:58:TYR:HE2	3:1l:111:CYS:HB2	1.66	0.61
3:3l:45:THR:O	3:3l:52:TYR:OH	2.18	0.61
3:6l:58:TYR:HE2	3:6l:111:CYS:HB2	1.66	0.61
1:M:242:THR:HG22	1:M:681:GLU:CG	2.29	0.61
1:V:578:SER:HB3	1:V:592:THR:CG2	2.30	0.61
1:a:578:SER:HB3	1:a:592:THR:CG2	2.30	0.61
1:i:238:ARG:HG2	1:i:238:ARG:NH2	2.12	0.61
1:n:578:SER:HB3	1:n:592:THR:CG2	2.30	0.61
1:q:242:THR:HG22	1:q:681:GLU:HG3	1.81	0.61
1:1:578:SER:HB3	1:1:592:THR:CG2	2.30	0.61
1:2:578:SER:HB3	1:2:592:THR:CG2	2.30	0.61
1:5:242:THR:HG22	1:5:681:GLU:CG	2.29	0.61
2:Ah:36:THR:CG2	2:Ah:103:LEU:O	2.48	0.61
2:Rh:37:LEU:HD12	2:Rh:39:LEU:HD11	1.81	0.61
2:hh:36:THR:CG2	2:hh:103:LEU:O	2.48	0.61
2:nh:37:LEU:HD12	2:nh:39:LEU:HD11	1.81	0.61
2:1h:37:LEU:HD12	2:1h:39:LEU:HD11	1.81	0.61
3:Bl:58:TYR:HE2	3:Bl:111:CYS:HB2	1.66	0.61
3:Hl:45:THR:O	3:Hl:52:TYR:OH	2.18	0.61
3:Il:58:TYR:HE2	3:Il:111:CYS:CB	2.14	0.61
3:Ol:58:TYR:HE2	3:Ol:111:CYS:CB	2.14	0.61
3:Wl:58:TYR:HE2	3:Wl:111:CYS:CB	2.14	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Yl:58:TYR:HE2	3:Yl:111:CYS:HB2	1.66	0.61
3:Zl:58:TYR:HE2	3:Zl:111:CYS:HB2	1.66	0.61
3:el:58:TYR:HE2	3:el:111:CYS:HB2	1.66	0.61
3:nl:58:TYR:HE2	3:nl:111:CYS:HB2	1.66	0.61
3:wl:58:TYR:HE2	3:wl:111:CYS:HB2	1.66	0.61
3:Ol:45:THR:O	3:Ol:52:TYR:OH	2.18	0.61
3:3l:58:TYR:HE2	3:3l:111:CYS:HB2	1.66	0.61
1:7:578:SER:HB3	1:7:592:THR:CG2	2.30	0.61
2:Bh:37:LEU:HD12	2:Bh:39:LEU:HD11	1.81	0.61
2:Dh:37:LEU:HD12	2:Dh:39:LEU:HD11	1.81	0.61
2:Jh:36:THR:CG2	2:Jh:103:LEU:O	2.48	0.61
2:bh:36:THR:CG2	2:bh:103:LEU:O	2.48	0.61
2:ch:37:LEU:HD12	2:ch:39:LEU:HD11	1.81	0.61
2:vh:36:THR:CG2	2:vh:103:LEU:O	2.48	0.61
2:zh:37:LEU:HD12	2:zh:39:LEU:HD11	1.81	0.61
2:3h:37:LEU:HD12	2:3h:39:LEU:HD11	1.81	0.61
3:Rl:58:TYR:HE2	3:Rl:111:CYS:HB2	1.66	0.61
3:pl:45:THR:O	3:pl:52:TYR:OH	2.18	0.61
3:pl:58:TYR:HE2	3:pl:111:CYS:HB2	1.66	0.61
3:zl:58:TYR:HE2	3:zl:111:CYS:HB2	1.66	0.61
3:5l:58:TYR:HE2	3:5l:111:CYS:HB2	1.66	0.61
1:E:389:ARG:HG3	1:V:732:THR:HG21	1.83	0.61
1:l:578:SER:HB3	1:l:592:THR:CG2	2.30	0.61
1:r:242:THR:HG22	1:r:681:GLU:HG3	1.81	0.61
1:t:238:ARG:HG2	1:t:238:ARG:NH2	2.12	0.61
2:Oh:37:LEU:HD12	2:Oh:39:LEU:HD11	1.81	0.61
2:Sh:37:LEU:HD12	2:Sh:39:LEU:HD11	1.81	0.61
2:Xh:36:THR:CG2	2:Xh:103:LEU:O	2.48	0.61
2:dh:37:LEU:HD12	2:dh:39:LEU:HD11	1.81	0.61
2:gh:36:THR:CG2	2:gh:103:LEU:O	2.48	0.61
2:lh:106:VAL:HA	2:lh:110:ASP:OD2	2.01	0.61
2:uh:37:LEU:HD12	2:uh:39:LEU:HD11	1.81	0.61
2:wh:106:VAL:HA	2:wh:110:ASP:OD2	2.01	0.61
2:2h:106:VAL:HA	2:2h:110:ASP:OD2	2.01	0.61
2:4h:36:THR:CG2	2:4h:103:LEU:O	2.48	0.61
2:4h:37:LEU:HD12	2:4h:39:LEU:HD11	1.81	0.61
3:Bl:45:THR:O	3:Bl:52:TYR:OH	2.18	0.61
3:Kl:58:TYR:HE2	3:Kl:111:CYS:HB2	1.66	0.61
3:Pl:58:TYR:HE2	3:Pl:111:CYS:CB	2.14	0.61
3:Vl:58:TYR:HE2	3:Vl:111:CYS:CB	2.14	0.61
3:Yl:58:TYR:HE2	3:Yl:111:CYS:CB	2.14	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:cl:58:TYR:HE2	3:cl:111:CYS:HB2	1.66	0.61
3:fl:58:TYR:HE2	3:fl:111:CYS:CB	2.14	0.61
3:kl:58:TYR:HE2	3:kl:111:CYS:HB2	1.66	0.61
3:vl:58:TYR:HE2	3:vl:111:CYS:CB	2.14	0.61
1:d:238:ARG:HG2	1:d:238:ARG:NH2	2.12	0.61
1:j:242:THR:HG22	1:j:681:GLU:HG3	1.81	0.61
1:n:238:ARG:HG2	1:n:238:ARG:NH2	2.12	0.61
2:Ah:106:VAL:HA	2:Ah:110:ASP:OD2	2.01	0.61
2:Ch:36:THR:CG2	2:Ch:103:LEU:O	2.48	0.61
2:Gh:37:LEU:HD12	2:Gh:39:LEU:HD11	1.81	0.61
2:Ph:36:THR:CG2	2:Ph:103:LEU:O	2.48	0.61
2:Th:36:THR:CG2	2:Th:103:LEU:O	2.48	0.61
2:ah:106:VAL:HA	2:ah:110:ASP:OD2	2.01	0.61
2:bh:106:VAL:HA	2:bh:110:ASP:OD2	2.01	0.61
2:ph:106:VAL:HA	2:ph:110:ASP:OD2	2.01	0.61
2:qh:37:LEU:HD12	2:qh:39:LEU:HD11	1.81	0.61
2:7h:106:VAL:HA	2:7h:110:ASP:OD2	2.01	0.61
3:El:58:TYR:HE2	3:El:111:CYS:CB	2.14	0.61
3:HI:58:TYR:HE2	3:HI:111:CYS:CB	2.14	0.61
3:Il:58:TYR:HE2	3:Il:111:CYS:HB2	1.66	0.61
3:TI:58:TYR:HE2	3:TI:111:CYS:HB2	1.66	0.61
3:al:58:TYR:HE2	3:al:111:CYS:HB2	1.66	0.61
3:cl:58:TYR:HE2	3:cl:111:CYS:CB	2.14	0.61
3:nl:58:TYR:HE2	3:nl:111:CYS:CB	2.14	0.61
3:ol:58:TYR:HE2	3:ol:111:CYS:CB	2.14	0.61
3:rl:45:THR:O	3:rl:52:TYR:OH	2.18	0.61
3:sl:58:TYR:HE2	3:sl:111:CYS:HB2	1.66	0.61
3:3l:58:TYR:HE2	3:3l:111:CYS:CB	2.14	0.61
1:K:578:SER:HB3	1:K:592:THR:CG2	2.30	0.61
1:o:578:SER:HB3	1:o:592:THR:CG2	2.30	0.61
1:1:238:ARG:HG2	1:1:238:ARG:NH2	2.12	0.61
2:Eh:36:THR:CG2	2:Eh:103:LEU:O	2.48	0.61
2:Lh:37:LEU:HD12	2:Lh:39:LEU:HD11	1.81	0.61
2:Nh:106:VAL:HA	2:Nh:110:ASP:OD2	2.01	0.61
2:Uh:37:LEU:HD12	2:Uh:39:LEU:HD11	1.81	0.61
2:dh:36:THR:CG2	2:dh:103:LEU:O	2.48	0.61
2:hh:37:LEU:HD12	2:hh:39:LEU:HD11	1.81	0.61
2:mh:36:THR:CG2	2:mh:103:LEU:O	2.48	0.61
2:nh:106:VAL:HA	2:nh:110:ASP:OD2	2.01	0.61
2:vh:37:LEU:HD12	2:vh:39:LEU:HD11	1.81	0.61
2:0h:36:THR:CG2	2:0h:103:LEU:O	2.48	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:1h:106:VAL:HA	2:1h:110:ASP:OD2	2.01	0.61
3:Nl:58:TYR:HE2	3:Nl:111:CYS:CB	2.14	0.61
3:Wl:58:TYR:HE2	3:Wl:111:CYS:HB2	1.66	0.61
3:gl:58:TYR:HE2	3:gl:111:CYS:HB2	1.66	0.61
3:il:45:THR:O	3:il:52:TYR:OH	2.18	0.61
3:jl:45:THR:O	3:jl:52:TYR:OH	2.18	0.61
3:ol:45:THR:O	3:ol:52:TYR:OH	2.18	0.61
3:tl:45:THR:O	3:tl:52:TYR:OH	2.18	0.61
3:vl:45:THR:O	3:vl:52:TYR:OH	2.18	0.61
3:yl:58:TYR:HE2	3:yl:111:CYS:CB	2.14	0.61
3:zl:45:THR:O	3:zl:52:TYR:OH	2.18	0.61
3:1l:58:TYR:HE2	3:1l:111:CYS:CB	2.14	0.61
3:7l:58:TYR:HE2	3:7l:111:CYS:HB2	1.66	0.61
1:R:578:SER:HB3	1:R:592:THR:CG2	2.30	0.60
2:Hh:111:THR:HG23	2:Hh:150:THR:HA	1.84	0.60
2:Ih:37:LEU:HD12	2:Ih:39:LEU:HD11	1.81	0.60
2:Ih:106:VAL:HA	2:Ih:110:ASP:OD2	2.01	0.60
2:Ph:106:VAL:HA	2:Ph:110:ASP:OD2	2.01	0.60
2:Wh:106:VAL:HA	2:Wh:110:ASP:OD2	2.01	0.60
2:Zh:106:VAL:HA	2:Zh:110:ASP:OD2	2.01	0.60
2:dh:106:VAL:HA	2:dh:110:ASP:OD2	2.01	0.60
2:gh:106:VAL:HA	2:gh:110:ASP:OD2	2.01	0.60
2:hh:106:VAL:HA	2:hh:110:ASP:OD2	2.01	0.60
2:kh:88:VAL:HG12	2:kh:103:LEU:HD21	1.83	0.60
2:qh:106:VAL:HA	2:qh:110:ASP:OD2	2.01	0.60
2:xh:111:THR:HG23	2:xh:150:THR:HA	1.84	0.60
3:Dl:58:TYR:HE2	3:Dl:111:CYS:CB	2.14	0.60
3:Gl:58:TYR:HE2	3:Gl:111:CYS:HB2	1.66	0.60
3:Jl:58:TYR:HE2	3:Jl:111:CYS:CB	2.14	0.60
3:al:58:TYR:HE2	3:al:111:CYS:CB	2.14	0.60
3:rl:58:TYR:HE2	3:rl:111:CYS:HB2	1.66	0.60
3:2l:58:TYR:HE2	3:2l:111:CYS:HB2	1.66	0.60
1:V:238:ARG:HG2	1:V:238:ARG:NH2	2.12	0.60
1:c:578:SER:HB3	1:c:592:THR:CG2	2.30	0.60
1:v:578:SER:HB3	1:v:592:THR:CG2	2.30	0.60
2:Ch:111:THR:HG23	2:Ch:150:THR:HA	1.84	0.60
2:Eh:106:VAL:HA	2:Eh:110:ASP:OD2	2.01	0.60
2:Fh:37:LEU:HD12	2:Fh:39:LEU:HD11	1.81	0.60
2:Fh:106:VAL:HA	2:Fh:110:ASP:OD2	2.01	0.60
2:Nh:37:LEU:HD12	2:Nh:39:LEU:HD11	1.81	0.60
2:Oh:106:VAL:HA	2:Oh:110:ASP:OD2	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Th:106:VAL:HA	2:Th:110:ASP:OD2	2.01	0.60
2:Uh:106:VAL:HA	2:Uh:110:ASP:OD2	2.01	0.60
2:Wh:37:LEU:HD12	2:Wh:39:LEU:HD11	1.81	0.60
2:Yh:111:THR:HG23	2:Yh:150:THR:HA	1.84	0.60
2:ah:88:VAL:HG12	2:ah:103:LEU:HD21	1.84	0.60
2:lh:111:THR:HG23	2:lh:150:THR:HA	1.84	0.60
2:oh:111:THR:HG23	2:oh:150:THR:HA	1.84	0.60
2:sh:88:VAL:HG12	2:sh:103:LEU:HD21	1.84	0.60
2:uh:106:VAL:HA	2:uh:110:ASP:OD2	2.01	0.60
2:vh:111:THR:HG23	2:vh:150:THR:HA	1.83	0.60
2:xh:36:THR:CG2	2:xh:103:LEU:O	2.48	0.60
2:2h:111:THR:HG23	2:2h:150:THR:HA	1.84	0.60
2:4h:106:VAL:HA	2:4h:110:ASP:OD2	2.01	0.60
2:6h:106:VAL:HA	2:6h:110:ASP:OD2	2.01	0.60
2:7h:88:VAL:HG12	2:7h:103:LEU:HD21	1.84	0.60
3:Al:58:TYR:HE2	3:Al:111:CYS:HB2	1.66	0.60
3:Fl:58:TYR:HE2	3:Fl:111:CYS:CB	2.14	0.60
3:Fl:58:TYR:HE2	3:Fl:111:CYS:HB2	1.66	0.60
3:Jl:58:TYR:HE2	3:Jl:111:CYS:HB2	1.66	0.60
3:Kl:58:TYR:HE2	3:Kl:111:CYS:CB	2.14	0.60
3:Ll:58:TYR:HE2	3:Ll:111:CYS:CB	2.14	0.60
3:Pl:58:TYR:HE2	3:Pl:111:CYS:HB2	1.66	0.60
3:Xl:58:TYR:HE2	3:Xl:111:CYS:CB	2.13	0.60
3:dl:58:TYR:HE2	3:dl:111:CYS:HB2	1.66	0.60
3:el:45:THR:O	3:el:52:TYR:OH	2.18	0.60
3:ll:58:TYR:HE2	3:ll:111:CYS:CB	2.14	0.60
3:ll:58:TYR:HE2	3:ll:111:CYS:HB2	1.66	0.60
3:tl:58:TYR:HE2	3:tl:111:CYS:CB	2.14	0.60
3:2l:58:TYR:HE2	3:2l:111:CYS:CB	2.14	0.60
3:7l:58:TYR:HE2	3:7l:111:CYS:CB	2.14	0.60
1:B:732:THR:HG21	1:t:389:ARG:HG3	1.84	0.60
1:I:732:THR:HG21	1:2:389:ARG:HG3	1.84	0.60
1:O:238:ARG:HH21	1:O:238:ARG:CG	2.14	0.60
1:W:732:THR:HG21	1:l:389:ARG:HG3	1.84	0.60
1:u:578:SER:HB3	1:u:592:THR:CG2	2.30	0.60
2:Ah:88:VAL:HG12	2:Ah:103:LEU:HD21	1.84	0.60
2:Bh:106:VAL:HA	2:Bh:110:ASP:OD2	2.01	0.60
2:Gh:106:VAL:HA	2:Gh:110:ASP:OD2	2.01	0.60
2:Gh:111:THR:HG23	2:Gh:150:THR:HA	1.84	0.60
2:Kh:106:VAL:HA	2:Kh:110:ASP:OD2	2.01	0.60
2:Oh:111:THR:HG23	2:Oh:150:THR:HA	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ih:37:LEU:HD12	2:ih:39:LEU:HD11	1.81	0.60
2:kh:106:VAL:HA	2:kh:110:ASP:OD2	2.01	0.60
2:oh:37:LEU:HD12	2:oh:39:LEU:HD11	1.81	0.60
2:ph:37:LEU:HD11	2:ph:149:VAL:HG21	1.84	0.60
2:ph:37:LEU:HD12	2:ph:39:LEU:HD11	1.81	0.60
2:rh:106:VAL:HA	2:rh:110:ASP:OD2	2.01	0.60
2:sh:106:VAL:HA	2:sh:110:ASP:OD2	2.01	0.60
2:wh:37:LEU:HD11	2:wh:149:VAL:HG21	1.84	0.60
2:zh:106:VAL:HA	2:zh:110:ASP:OD2	2.01	0.60
2:1h:88:VAL:HG12	2:1h:103:LEU:HD21	1.84	0.60
2:2h:37:LEU:HD12	2:2h:39:LEU:HD11	1.81	0.60
3:El:58:TYR:HE2	3:El:111:CYS:HB2	1.66	0.60
3:Mi:58:TYR:HE2	3:Mi:111:CYS:HB2	1.66	0.60
3:Rl:58:TYR:HE2	3:Rl:111:CYS:CB	2.14	0.60
3:Sl:58:TYR:HE2	3:Sl:111:CYS:CB	2.14	0.60
3:Sl:58:TYR:HE2	3:Sl:111:CYS:HB2	1.66	0.60
3:Xl:58:TYR:HE2	3:Xl:111:CYS:HB2	1.66	0.60
3:bl:58:TYR:HE2	3:bl:111:CYS:HB2	1.66	0.60
3:il:58:TYR:HE2	3:il:111:CYS:CB	2.14	0.60
3:jl:58:TYR:HE2	3:jl:111:CYS:HB2	1.66	0.60
3:kl:58:TYR:HE2	3:kl:111:CYS:CB	2.14	0.60
3:nl:45:THR:O	3:nl:52:TYR:OH	2.18	0.60
3:ql:58:TYR:HE2	3:ql:111:CYS:CB	2.14	0.60
3:sl:58:TYR:HE2	3:sl:111:CYS:CB	2.14	0.60
3:4l:58:TYR:HE2	3:4l:111:CYS:HB2	1.66	0.60
3:5l:45:THR:O	3:5l:52:TYR:OH	2.18	0.60
1:G:238:ARG:HH21	1:G:238:ARG:CG	2.14	0.60
1:H:389:ARG:HG3	1:0:732:THR:HG21	1.84	0.60
1:L:732:THR:HG21	1:a:389:ARG:HG3	1.84	0.60
1:P:389:ARG:HG3	1:f:732:THR:HG21	1.84	0.60
1:S:732:THR:HG21	1:7:389:ARG:HG3	1.84	0.60
1:i:389:ARG:HG3	1:z:732:THR:HG21	1.84	0.60
1:i:578:SER:HB3	1:i:592:THR:CG2	2.30	0.60
1:q:578:SER:HB3	1:q:592:THR:CG2	2.30	0.60
1:t:578:SER:HB3	1:t:592:THR:CG2	2.30	0.60
2:Bh:37:LEU:HD11	2:Bh:149:VAL:HG21	1.84	0.60
2:Hh:37:LEU:HD11	2:Hh:149:VAL:HG21	1.84	0.60
2:Jh:111:THR:HG23	2:Jh:150:THR:HA	1.84	0.60
2:Kh:36:THR:HB	2:Kh:103:LEU:O	2.02	0.60
2:Rh:36:THR:HB	2:Rh:103:LEU:O	2.02	0.60
2:Rh:106:VAL:HA	2:Rh:110:ASP:OD2	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Sh:111:THR:HG23	2:Sh:150:THR:HA	1.84	0.60
2:Xh:111:THR:HG23	2:Xh:150:THR:HA	1.84	0.60
2:Yh:37:LEU:HD11	2:Yh:149:VAL:HG21	1.84	0.60
2:bh:88:VAL:HG12	2:bh:103:LEU:HD21	1.84	0.60
2:ih:111:THR:HG23	2:ih:150:THR:HA	1.84	0.60
2:jh:106:VAL:HA	2:jh:110:ASP:OD2	2.01	0.60
2:lh:37:LEU:HD12	2:lh:39:LEU:HD11	1.81	0.60
2:nh:88:VAL:HG12	2:nh:103:LEU:HD21	1.84	0.60
2:sh:37:LEU:HD12	2:sh:39:LEU:HD11	1.81	0.60
2:th:37:LEU:HD12	2:th:39:LEU:HD11	1.81	0.60
2:wh:37:LEU:HD12	2:wh:39:LEU:HD11	1.81	0.60
2:zh:37:LEU:HD11	2:zh:149:VAL:HG21	1.84	0.60
3:Ll:58:TYR:HE2	3:Ll:111:CYS:HB2	1.66	0.60
3:Nl:58:TYR:HE2	3:Nl:111:CYS:HB2	1.66	0.60
3:Ol:58:TYR:HE2	3:Ol:111:CYS:HB2	1.66	0.60
3:fl:58:TYR:HE2	3:fl:111:CYS:HB2	1.66	0.60
3:ul:58:TYR:HE2	3:ul:111:CYS:CB	2.14	0.60
3:1l:45:THR:O	3:1l:52:TYR:OH	2.18	0.60
1:Y:389:ARG:HG3	1:m:732:THR:HG21	1.84	0.60
1:3:578:SER:HB3	1:3:592:THR:CG2	2.30	0.60
2:Dh:111:THR:HG23	2:Dh:150:THR:HA	1.84	0.60
2:Eh:37:LEU:HD11	2:Eh:149:VAL:HG21	1.84	0.60
2:Lh:111:THR:HG23	2:Lh:150:THR:HA	1.84	0.60
2:Uh:37:LEU:HD11	2:Uh:149:VAL:HG21	1.84	0.60
2:ch:36:THR:HB	2:ch:103:LEU:O	2.02	0.60
2:mh:106:VAL:HA	2:mh:110:ASP:OD2	2.01	0.60
2:qh:111:THR:HG23	2:qh:150:THR:HA	1.83	0.60
2:sh:36:THR:CG2	2:sh:103:LEU:O	2.48	0.60
2:th:37:LEU:HD11	2:th:149:VAL:HG21	1.84	0.60
2:uh:111:THR:HG23	2:uh:150:THR:HA	1.83	0.60
2:Oh:106:VAL:HA	2:Oh:110:ASP:OD2	2.01	0.60
2:3h:36:THR:HB	2:3h:103:LEU:O	2.02	0.60
3:Gl:45:THR:O	3:Gl:52:TYR:OH	2.18	0.60
3:Ql:58:TYR:HE2	3:Ql:111:CYS:HB2	1.66	0.60
3:Zl:58:TYR:HE2	3:Zl:111:CYS:CB	2.14	0.60
3:6l:58:TYR:HE2	3:6l:111:CYS:CB	2.14	0.60
1:C:389:ARG:HG3	1:R:732:THR:HG21	1.84	0.60
1:U:732:THR:HG21	1:q:389:ARG:HG3	1.84	0.60
1:Z:389:ARG:HG3	1:i:732:THR:HG21	1.84	0.60
1:b:389:ARG:HG3	1:x:732:THR:HG21	1.84	0.60
1:f:238:ARG:HG2	1:f:238:ARG:NH2	2.12	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Bh:36:THR:HB	2:Bh:103:LEU:O	2.02	0.60
2:Jh:37:LEU:HD11	2:Jh:149:VAL:HG21	1.84	0.60
2:Lh:106:VAL:HA	2:Lh:110:ASP:OD2	2.01	0.60
2:Nh:111:THR:HG23	2:Nh:150:THR:HA	1.84	0.60
2:Ph:37:LEU:HD11	2:Ph:149:VAL:HG21	1.84	0.60
2:Th:111:THR:HG23	2:Th:150:THR:HA	1.84	0.60
2:gh:111:THR:HG23	2:gh:150:THR:HA	1.84	0.60
2:hh:37:LEU:HD11	2:hh:149:VAL:HG21	1.84	0.60
2:ih:37:LEU:HD11	2:ih:149:VAL:HG21	1.84	0.60
2:kh:37:LEU:HD12	2:kh:39:LEU:HD11	1.81	0.60
2:mh:36:THR:HB	2:mh:103:LEU:O	2.02	0.60
2:oh:106:VAL:HA	2:oh:110:ASP:OD2	2.01	0.60
2:th:111:THR:HG23	2:th:150:THR:HA	1.84	0.60
2:uh:37:LEU:HD11	2:uh:149:VAL:HG21	1.84	0.60
2:yh:111:THR:HG23	2:yh:150:THR:HA	1.84	0.60
2:0h:36:THR:HB	2:0h:103:LEU:O	2.02	0.60
3:Ol:45:THR:O	3:Ol:52:TYR:OH	2.18	0.60
3:Vl:58:TYR:HE2	3:Vl:111:CYS:HB2	1.66	0.60
1:K:732:THR:HG21	1:x:389:ARG:HG3	1.84	0.60
1:a:732:THR:HG21	1:k:389:ARG:HG3	1.84	0.60
1:s:389:ARG:HG3	1:7:732:THR:HG21	1.84	0.60
1:t:732:THR:HG21	1:6:389:ARG:HG3	1.84	0.60
2:Dh:36:THR:HB	2:Dh:103:LEU:O	2.02	0.60
2:Fh:111:THR:HG23	2:Fh:150:THR:HA	1.84	0.60
2:Ih:37:LEU:HD11	2:Ih:149:VAL:HG21	1.84	0.60
2:Nh:37:LEU:HD11	2:Nh:149:VAL:HG21	1.84	0.60
2:Sh:106:VAL:HA	2:Sh:110:ASP:OD2	2.01	0.60
2:Vh:111:THR:HG23	2:Vh:150:THR:HA	1.84	0.60
2:Wh:37:LEU:HD11	2:Wh:149:VAL:HG21	1.84	0.60
2:Xh:37:LEU:HD11	2:Xh:149:VAL:HG21	1.84	0.60
2:Zh:111:THR:HG23	2:Zh:150:THR:HA	1.84	0.60
2:ah:37:LEU:HD11	2:ah:149:VAL:HG21	1.84	0.60
2:dh:37:LEU:HD11	2:dh:149:VAL:HG21	1.84	0.60
2:fh:111:THR:HG23	2:fh:150:THR:HA	1.84	0.60
2:kh:36:THR:CG2	2:kh:103:LEU:O	2.48	0.60
2:qh:36:THR:HB	2:qh:103:LEU:O	2.02	0.60
2:qh:37:LEU:HD11	2:qh:149:VAL:HG21	1.84	0.60
2:qh:88:VAL:HG12	2:qh:103:LEU:HD21	1.83	0.60
2:uh:36:THR:HB	2:uh:103:LEU:O	2.02	0.60
2:vh:106:VAL:HA	2:vh:110:ASP:OD2	2.01	0.60
2:yh:36:THR:HB	2:yh:103:LEU:O	2.02	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:zh:36:THR:HB	2:zh:103:LEU:O	2.02	0.60
2:6h:111:THR:HG23	2:6h:150:THR:HA	1.84	0.60
2:7h:37:LEU:HD11	2:7h:149:VAL:HG21	1.84	0.60
3:Ul:58:TYR:HE2	3:Ul:111:CYS:HB2	1.66	0.60
3:hl:58:TYR:HE2	3:hl:111:CYS:HB2	1.66	0.60
3:xl:58:TYR:HE2	3:xl:111:CYS:CB	2.14	0.60
3:zl:58:TYR:HE2	3:zl:111:CYS:CB	2.14	0.60
1:A:389:ARG:HG3	1:C:732:THR:HG21	1.84	0.60
1:D:732:THR:HG21	1:Q:389:ARG:HG3	1.84	0.60
1:E:732:THR:HG21	1:3:389:ARG:HG3	1.84	0.60
1:N:238:ARG:HG2	1:N:238:ARG:NH2	2.12	0.60
2:Ch:36:THR:HB	2:Ch:103:LEU:O	2.02	0.60
2:Fh:37:LEU:HD11	2:Fh:149:VAL:HG21	1.84	0.60
2:Kh:37:LEU:HD11	2:Kh:149:VAL:HG21	1.84	0.60
2:Lh:88:VAL:HG12	2:Lh:103:LEU:HD21	1.84	0.60
2:Rh:37:LEU:HD11	2:Rh:149:VAL:HG21	1.84	0.60
2:Sh:88:VAL:HG12	2:Sh:103:LEU:HD21	1.84	0.60
2:Vh:37:LEU:HD11	2:Vh:149:VAL:HG21	1.84	0.60
2:Zh:37:LEU:HD11	2:Zh:149:VAL:HG21	1.84	0.60
2:ch:106:VAL:HA	2:ch:110:ASP:OD2	2.01	0.60
2:fh:37:LEU:HD11	2:fh:149:VAL:HG21	1.84	0.60
2:jh:88:VAL:HG12	2:jh:103:LEU:HD21	1.83	0.60
2:oh:57:TRP:CE2	2:oh:101:LEU:HB2	2.37	0.60
2:rh:88:VAL:HG12	2:rh:103:LEU:HD21	1.83	0.60
2:uh:88:VAL:HG12	2:uh:103:LEU:HD21	1.83	0.60
2:xh:37:LEU:HD11	2:xh:149:VAL:HG21	1.84	0.60
2:0h:57:TRP:CE2	2:0h:101:LEU:HB2	2.37	0.60
2:4h:37:LEU:HD11	2:4h:149:VAL:HG21	1.84	0.60
3:Bl:58:TYR:HE2	3:Bl:111:CYS:CB	2.14	0.60
3:Cl:58:TYR:HE2	3:Cl:111:CYS:CB	2.14	0.60
3:xl:58:TYR:HE2	3:xl:111:CYS:HB2	1.66	0.60
1:F:238:ARG:HG2	1:F:238:ARG:NH2	2.12	0.60
1:M:389:ARG:HG3	1:y:732:THR:HG21	1.84	0.60
1:e:732:THR:HG21	1:v:389:ARG:HG3	1.84	0.60
1:o:389:ARG:HG3	1:5:732:THR:HG21	1.84	0.60
2:Ch:37:LEU:HD11	2:Ch:149:VAL:HG21	1.84	0.60
2:Ih:111:THR:HG23	2:Ih:150:THR:HA	1.84	0.60
2:Wh:57:TRP:CE2	2:Wh:101:LEU:HB2	2.37	0.60
2:mh:57:TRP:CE2	2:mh:101:LEU:HB2	2.37	0.60
2:ph:57:TRP:CE2	2:ph:101:LEU:HB2	2.37	0.60
2:ph:111:THR:HG23	2:ph:150:THR:HA	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:vh:57:TRP:CE2	2:vh:101:LEU:HB2	2.37	0.60
2:vh:88:VAL:HG12	2:vh:103:LEU:HD21	1.84	0.60
2:wh:57:TRP:CE2	2:wh:101:LEU:HB2	2.37	0.60
2:wh:111:THR:HG23	2:wh:150:THR:HA	1.84	0.60
2:xh:36:THR:HB	2:xh:103:LEU:O	2.02	0.60
2:zh:111:THR:HG23	2:zh:150:THR:HA	1.84	0.60
2:0h:111:THR:HG23	2:0h:150:THR:HA	1.84	0.60
2:2h:88:VAL:HG12	2:2h:103:LEU:HD21	1.84	0.60
2:3h:106:VAL:HA	2:3h:110:ASP:OD2	2.01	0.60
3:El:45:THR:O	3:El:52:TYR:OH	2.18	0.60
3:il:58:TYR:HE2	3:il:111:CYS:HB2	1.66	0.60
3:ml:58:TYR:HE2	3:ml:111:CYS:HB2	1.66	0.60
3:ql:58:TYR:HE2	3:ql:111:CYS:HB2	1.66	0.60
3:ul:58:TYR:HE2	3:ul:111:CYS:HB2	1.66	0.60
1:L:389:ARG:HG3	1:k:732:THR:HG21	1.84	0.60
1:P:732:THR:HG21	1:c:389:ARG:HG3	1.84	0.60
1:S:389:ARG:HG3	1:s:732:THR:HG21	1.84	0.60
1:g:389:ARG:HG3	1:v:732:THR:HG21	1.84	0.60
2:Ah:111:THR:HG23	2:Ah:150:THR:HA	1.84	0.60
2:Bh:111:THR:HG23	2:Bh:150:THR:HA	1.84	0.60
2:Ih:57:TRP:CE2	2:Ih:101:LEU:HB2	2.37	0.60
2:Jh:106:VAL:HA	2:Jh:110:ASP:OD2	2.01	0.60
2:Lh:37:LEU:HD11	2:Lh:149:VAL:HG21	1.84	0.60
2:Vh:88:VAL:HG12	2:Vh:103:LEU:HD21	1.84	0.60
2:Wh:111:THR:HG23	2:Wh:150:THR:HA	1.84	0.60
2:bh:111:THR:HG23	2:bh:150:THR:HA	1.84	0.60
2:lh:88:VAL:HG12	2:lh:103:LEU:HD21	1.84	0.60
2:nh:57:TRP:CE2	2:nh:101:LEU:HB2	2.37	0.60
2:oh:88:VAL:HG12	2:oh:103:LEU:HD21	1.84	0.60
2:th:88:VAL:HG12	2:th:103:LEU:HD21	1.84	0.60
2:zh:57:TRP:CE2	2:zh:101:LEU:HB2	2.37	0.60
2:1h:57:TRP:CE2	2:1h:101:LEU:HB2	2.37	0.60
2:2h:36:THR:HB	2:2h:103:LEU:O	2.02	0.60
2:6h:37:LEU:HD11	2:6h:149:VAL:HG21	1.84	0.60
3:ol:58:TYR:HE2	3:ol:111:CYS:HB2	1.66	0.60
3:pl:53:ASN:ND2	3:pl:88:LYS:CD	2.65	0.60
3:wl:53:ASN:ND2	3:wl:88:LYS:CD	2.65	0.60
1:T:389:ARG:HG3	1:o:732:THR:HG21	1.84	0.59
1:X:238:ARG:HG2	1:X:238:ARG:NH2	2.12	0.59
2:Bh:57:TRP:CE2	2:Bh:101:LEU:HB2	2.37	0.59
2:Ch:88:VAL:HG12	2:Ch:103:LEU:HD21	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Ch:106:VAL:HA	2:Ch:110:ASP:OD2	2.01	0.59
2:Dh:57:TRP:CE2	2:Dh:101:LEU:HB2	2.37	0.59
2:Eh:57:TRP:CE2	2:Eh:101:LEU:HB2	2.37	0.59
2:Mh:57:TRP:CE2	2:Mh:101:LEU:HB2	2.37	0.59
2:Qh:57:TRP:CE2	2:Qh:101:LEU:HB2	2.37	0.59
2:Rh:57:TRP:CE2	2:Rh:101:LEU:HB2	2.37	0.59
2:Sh:37:LEU:HD11	2:Sh:149:VAL:HG21	1.84	0.59
2:Vh:36:THR:HB	2:Vh:103:LEU:O	2.02	0.59
2:bh:37:LEU:HD11	2:bh:149:VAL:HG21	1.84	0.59
2:fh:36:THR:HB	2:fh:103:LEU:O	2.02	0.59
2:fh:88:VAL:HG12	2:fh:103:LEU:HD21	1.83	0.59
2:ih:88:VAL:HG12	2:ih:103:LEU:HD21	1.84	0.59
2:lh:36:THR:HB	2:lh:103:LEU:O	2.02	0.59
2:mh:88:VAL:HG12	2:mh:103:LEU:HD21	1.84	0.59
2:mh:111:THR:HG23	2:mh:150:THR:HA	1.84	0.59
2:ph:36:THR:HB	2:ph:103:LEU:O	2.02	0.59
2:ph:88:VAL:HG12	2:ph:103:LEU:HD21	1.84	0.59
2:wh:36:THR:HB	2:wh:103:LEU:O	2.02	0.59
2:xh:88:VAL:HG12	2:xh:103:LEU:HD21	1.84	0.59
2:yh:57:TRP:CE2	2:yh:101:LEU:HB2	2.37	0.59
3:Cl:58:TYR:HE2	3:Cl:111:CYS:HB2	1.66	0.59
3:Fl:53:ASN:ND2	3:Fl:88:LYS:CD	2.65	0.59
3:Hl:53:ASN:ND2	3:Hl:88:LYS:CD	2.65	0.59
3:Nl:53:ASN:ND2	3:Nl:88:LYS:CD	2.65	0.59
3:Pl:45:THR:O	3:Pl:52:TYR:OH	2.18	0.59
3:Yl:53:ASN:ND2	3:Yl:88:LYS:CD	2.65	0.59
3:il:53:ASN:ND2	3:il:88:LYS:CD	2.65	0.59
3:tl:53:ASN:ND2	3:tl:88:LYS:CD	2.65	0.59
3:tl:58:TYR:HE2	3:tl:111:CYS:HB2	1.66	0.59
3:vl:58:TYR:HE2	3:vl:111:CYS:HB2	1.66	0.59
3:ol:58:TYR:HE2	3:ol:111:CYS:HB2	1.66	0.59
1:A:238:ARG:HG2	1:A:238:ARG:NH2	2.12	0.59
1:F:389:ARG:HG3	1:q:732:THR:HG21	1.84	0.59
1:J:238:ARG:HG2	1:J:238:ARG:NH2	2.12	0.59
1:j:238:ARG:HG2	1:j:238:ARG:NH2	2.12	0.59
2:Ah:37:LEU:HD11	2:Ah:149:VAL:HG21	1.84	0.59
2:Kh:57:TRP:CE2	2:Kh:101:LEU:HB2	2.37	0.59
2:Ph:57:TRP:CE2	2:Ph:101:LEU:HB2	2.37	0.59
2:Th:57:TRP:CE2	2:Th:101:LEU:HB2	2.37	0.59
2:Xh:106:VAL:HA	2:Xh:110:ASP:OD2	2.01	0.59
2:Zh:57:TRP:CE2	2:Zh:101:LEU:HB2	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:vh:37:LEU:HD11	2:vh:149:VAL:HG21	1.84	0.59
2:wh:88:VAL:HG12	2:wh:103:LEU:HD21	1.84	0.59
2:xh:106:VAL:HA	2:xh:110:ASP:OD2	2.01	0.59
2:0h:88:VAL:HG12	2:0h:103:LEU:HD21	1.84	0.59
2:4h:88:VAL:HG12	2:4h:103:LEU:HD21	1.84	0.59
2:4h:111:THR:HG23	2:4h:150:THR:HA	1.84	0.59
2:5h:106:VAL:HA	2:5h:110:ASP:OD2	2.01	0.59
2:6h:57:TRP:CE2	2:6h:101:LEU:HB2	2.37	0.59
3:Sl:53:ASN:ND2	3:Sl:88:LYS:CD	2.65	0.59
3:Tl:53:ASN:ND2	3:Tl:88:LYS:CD	2.65	0.59
3:gl:53:ASN:ND2	3:gl:88:LYS:CD	2.65	0.59
3:kl:53:ASN:ND2	3:kl:88:LYS:CD	2.65	0.59
3:sl:53:ASN:ND2	3:sl:88:LYS:CD	2.65	0.59
1:H:732:THR:HG21	1:n:389:ARG:HG3	1.83	0.59
1:Q:732:THR:HG21	1:r:389:ARG:HG3	1.84	0.59
1:b:238:ARG:HG2	1:b:238:ARG:NH2	2.12	0.59
1:j:732:THR:HG21	1:y:389:ARG:HG3	1.84	0.59
2:Gh:88:VAL:HG12	2:Gh:103:LEU:HD21	1.83	0.59
2:Mh:106:VAL:HA	2:Mh:110:ASP:OD2	2.01	0.59
2:Oh:88:VAL:HG12	2:Oh:103:LEU:HD21	1.84	0.59
2:Qh:106:VAL:HA	2:Qh:110:ASP:OD2	2.01	0.59
2:dh:88:VAL:HG12	2:dh:103:LEU:HD21	1.84	0.59
2:dh:111:THR:HG23	2:dh:150:THR:HA	1.84	0.59
2:eh:57:TRP:CE2	2:eh:101:LEU:HB2	2.37	0.59
2:gh:57:TRP:CE2	2:gh:101:LEU:HB2	2.37	0.59
2:rh:57:TRP:CE2	2:rh:101:LEU:HB2	2.37	0.59
2:th:106:VAL:HA	2:th:110:ASP:OD2	2.01	0.59
2:5h:36:THR:HB	2:5h:103:LEU:O	2.02	0.59
3:Dl:53:ASN:ND2	3:Dl:88:LYS:CD	2.65	0.59
3:Il:53:ASN:ND2	3:Il:88:LYS:CD	2.65	0.59
3:Ll:53:ASN:ND2	3:Ll:88:LYS:CD	2.65	0.59
3:Ol:53:ASN:ND2	3:Ol:88:LYS:CD	2.65	0.59
3:ol:53:ASN:ND2	3:ol:88:LYS:CD	2.65	0.59
3:vl:53:ASN:ND2	3:vl:88:LYS:CD	2.65	0.59
3:yl:53:ASN:ND2	3:yl:88:LYS:CD	2.65	0.59
3:Ol:58:TYR:HE2	3:Ol:111:CYS:CB	2.14	0.59
1:D:389:ARG:HG3	1:r:732:THR:HG21	1.84	0.59
1:M:732:THR:HG21	1:j:389:ARG:HG3	1.84	0.59
1:r:238:ARG:HG2	1:r:238:ARG:NH2	2.12	0.59
2:Qh:36:THR:HB	2:Qh:103:LEU:O	2.02	0.59
2:dh:57:TRP:CE2	2:dh:101:LEU:HB2	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:eh:36:THR:HB	2:eh:103:LEU:O	2.02	0.59
2:eh:106:VAL:HA	2:eh:110:ASP:OD2	2.01	0.59
2:ih:106:VAL:HA	2:ih:110:ASP:OD2	2.01	0.59
2:jh:57:TRP:CE2	2:jh:101:LEU:HB2	2.37	0.59
2:lh:57:TRP:CE2	2:lh:101:LEU:HB2	2.37	0.59
2:oh:37:LEU:HD11	2:oh:149:VAL:HG21	1.84	0.59
2:5h:57:TRP:CE2	2:5h:101:LEU:HB2	2.37	0.59
3:El:53:ASN:ND2	3:El:88:LYS:CD	2.65	0.59
3:Jl:53:ASN:ND2	3:Jl:88:LYS:CD	2.65	0.59
3:Pl:53:ASN:ND2	3:Pl:88:LYS:CD	2.65	0.59
3:Pl:71:TYR:O	3:Pl:75:LYS:HB2	2.03	0.59
3:Ul:53:ASN:ND2	3:Ul:88:LYS:CD	2.65	0.59
3:Vl:53:ASN:ND2	3:Vl:88:LYS:CD	2.65	0.59
3:Vl:71:TYR:O	3:Vl:75:LYS:HB2	2.03	0.59
3:Wl:53:ASN:ND2	3:Wl:88:LYS:CD	2.65	0.59
3:el:71:TYR:O	3:el:75:LYS:HB2	2.03	0.59
3:fl:53:ASN:ND2	3:fl:88:LYS:CD	2.65	0.59
3:hl:71:TYR:O	3:hl:75:LYS:HB2	2.03	0.59
3:pl:71:TYR:O	3:pl:75:LYS:HB2	2.03	0.59
3:ql:53:ASN:ND2	3:ql:88:LYS:CD	2.65	0.59
3:ul:53:ASN:ND2	3:ul:88:LYS:CD	2.65	0.59
3:wl:71:TYR:O	3:wl:75:LYS:HB2	2.03	0.59
3:5l:71:TYR:O	3:5l:75:LYS:HB2	2.03	0.59
1:F:295:ASP:OD1	1:F:298:ARG:NH1	2.36	0.59
1:F:732:THR:HG21	1:U:389:ARG:HG3	1.84	0.59
1:G:389:ARG:HG3	1:4:732:THR:HG21	1.84	0.59
1:J:295:ASP:OD1	1:J:298:ARG:NH1	2.36	0.59
1:M:295:ASP:OD1	1:M:298:ARG:NH1	2.36	0.59
1:N:295:ASP:OD1	1:N:298:ARG:NH1	2.36	0.59
1:Q:295:ASP:OD1	1:Q:298:ARG:NH1	2.36	0.59
1:X:295:ASP:OD1	1:X:298:ARG:NH1	2.36	0.59
1:Y:732:THR:HG21	1:1:389:ARG:HG3	1.83	0.59
1:a:295:ASP:OD1	1:a:298:ARG:NH1	2.36	0.59
1:7:295:ASP:OD1	1:7:298:ARG:NH1	2.36	0.59
2:Ah:57:TRP:CE2	2:Ah:101:LEU:HB2	2.37	0.59
2:Fh:36:THR:HB	2:Fh:103:LEU:O	2.02	0.59
2:Gh:57:TRP:CE2	2:Gh:101:LEU:HB2	2.37	0.59
2:Lh:36:THR:HB	2:Lh:103:LEU:O	2.02	0.59
2:Lh:57:TRP:CE2	2:Lh:101:LEU:HB2	2.37	0.59
2:Mh:36:THR:HB	2:Mh:103:LEU:O	2.02	0.59
2:Mh:37:LEU:HD11	2:Mh:149:VAL:HG21	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Oh:57:TRP:CE2	2:Oh:101:LEU:HB2	2.37	0.59
2:Qh:37:LEU:HD11	2:Qh:149:VAL:HG21	1.84	0.59
2:Vh:106:VAL:HA	2:Vh:110:ASP:OD2	2.01	0.59
2:bh:57:TRP:CE2	2:bh:101:LEU:HB2	2.37	0.59
2:gh:36:THR:HB	2:gh:103:LEU:O	2.02	0.59
2:1h:37:LEU:HD11	2:1h:149:VAL:HG21	1.84	0.59
2:4h:57:TRP:CE2	2:4h:101:LEU:HB2	2.37	0.59
2:7h:36:THR:HB	2:7h:103:LEU:O	2.02	0.59
3:Al:53:ASN:ND2	3:Al:88:LYS:CD	2.65	0.59
3:El:71:TYR:O	3:El:75:LYS:HB2	2.03	0.59
3:Gl:53:ASN:ND2	3:Gl:88:LYS:CD	2.65	0.59
3:Ul:71:TYR:O	3:Ul:75:LYS:HB2	2.03	0.59
3:Xl:53:ASN:ND2	3:Xl:88:LYS:CD	2.65	0.59
3:bl:53:ASN:ND2	3:bl:88:LYS:CD	2.65	0.59
3:cl:53:ASN:ND2	3:cl:88:LYS:CD	2.65	0.59
3:dl:71:TYR:O	3:dl:75:LYS:HB2	2.03	0.59
3:fl:71:TYR:O	3:fl:75:LYS:HB2	2.03	0.59
3:hl:53:ASN:ND2	3:hl:88:LYS:CD	2.65	0.59
3:4l:71:TYR:O	3:4l:75:LYS:HB2	2.03	0.59
1:A:732:THR:HG21	1:R:389:ARG:HG3	1.84	0.59
1:K:389:ARG:HG3	1:b:732:THR:HG21	1.84	0.59
1:N:389:ARG:HG3	1:u:732:THR:HG21	1.84	0.59
1:N:732:THR:HG21	1:h:389:ARG:HG3	1.84	0.59
1:O:389:ARG:HG3	1:d:732:THR:HG21	1.84	0.59
1:T:732:THR:HG21	1:5:389:ARG:HG3	1.84	0.59
1:e:295:ASP:OD1	1:e:298:ARG:NH1	2.36	0.59
1:e:389:ARG:HG3	1:g:732:THR:HG21	1.84	0.59
1:l:238:ARG:HH22	1:l:309:LYS:HG3	1.68	0.59
1:m:295:ASP:OD1	1:m:298:ARG:NH1	2.36	0.59
1:r:238:ARG:HH22	1:r:309:LYS:HG3	1.68	0.59
1:2:238:ARG:HH22	1:2:309:LYS:HG3	1.68	0.59
1:3:295:ASP:OD1	1:3:298:ARG:NH1	2.36	0.59
1:5:295:ASP:OD1	1:5:298:ARG:NH1	2.36	0.59
2:Jh:57:TRP:CE2	2:Jh:101:LEU:HB2	2.37	0.59
2:Nh:36:THR:HB	2:Nh:103:LEU:O	2.02	0.59
2:Sh:36:THR:HB	2:Sh:103:LEU:O	2.02	0.59
2:Th:36:THR:HB	2:Th:103:LEU:O	2.02	0.59
2:Xh:57:TRP:CE2	2:Xh:101:LEU:HB2	2.37	0.59
2:Yh:36:THR:HB	2:Yh:103:LEU:O	2.02	0.59
2:Yh:106:VAL:HA	2:Yh:110:ASP:OD2	2.01	0.59
2:ah:57:TRP:CE2	2:ah:101:LEU:HB2	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:dh:36:THR:HB	2:dh:103:LEU:O	2.02	0.59
2:ih:36:THR:HB	2:ih:103:LEU:O	2.02	0.59
2:kh:57:TRP:CE2	2:kh:101:LEU:HB2	2.37	0.59
2:nh:37:LEU:HD11	2:nh:149:VAL:HG21	1.84	0.59
2:sh:36:THR:HB	2:sh:103:LEU:O	2.02	0.59
2:th:36:THR:HB	2:th:103:LEU:O	2.02	0.59
2:uh:57:TRP:CE2	2:uh:101:LEU:HB2	2.37	0.59
2:1h:36:THR:HB	2:1h:103:LEU:O	2.02	0.59
2:2h:57:TRP:CE2	2:2h:101:LEU:HB2	2.37	0.59
3:Cl:53:ASN:ND2	3:Cl:88:LYS:CD	2.65	0.59
3:Fl:71:TYR:O	3:Fl:75:LYS:HB2	2.03	0.59
3:bl:71:TYR:O	3:bl:75:LYS:HB2	2.03	0.59
3:ml:58:TYR:HE2	3:ml:111:CYS:CB	2.14	0.59
3:ol:71:TYR:O	3:ol:75:LYS:HB2	2.03	0.59
3:sl:71:TYR:O	3:sl:75:LYS:HB2	2.03	0.59
3:vl:71:TYR:O	3:vl:75:LYS:HB2	2.03	0.59
3:xl:53:ASN:ND2	3:xl:88:LYS:CD	2.65	0.59
3:6l:71:TYR:O	3:6l:75:LYS:HB2	2.03	0.59
1:X:238:ARG:HH22	1:X:309:LYS:HG3	1.68	0.59
1:c:295:ASP:OD1	1:c:298:ARG:NH1	2.36	0.59
1:d:295:ASP:OD1	1:d:298:ARG:NH1	2.36	0.59
1:f:295:ASP:OD1	1:f:298:ARG:NH1	2.36	0.59
1:j:238:ARG:HH22	1:j:309:LYS:HG3	1.68	0.59
1:n:732:THR:HG21	1:0:389:ARG:HG3	1.84	0.59
1:p:295:ASP:OD1	1:p:298:ARG:NH1	2.36	0.59
1:p:732:THR:HG21	1:4:389:ARG:HG3	1.84	0.59
1:w:295:ASP:OD1	1:w:298:ARG:NH1	2.36	0.59
1:0:295:ASP:OD1	1:0:298:ARG:NH1	2.36	0.59
1:2:295:ASP:OD1	1:2:298:ARG:NH1	2.36	0.59
2:Ah:36:THR:HB	2:Ah:103:LEU:O	2.02	0.59
2:Jh:88:VAL:HG12	2:Jh:103:LEU:HD21	1.84	0.59
2:Sh:57:TRP:CE2	2:Sh:101:LEU:HB2	2.37	0.59
2:Uh:111:THR:HG23	2:Uh:150:THR:HA	1.84	0.59
2:Zh:36:THR:HB	2:Zh:103:LEU:O	2.02	0.59
2:ah:36:THR:HB	2:ah:103:LEU:O	2.02	0.59
2:hh:111:THR:HG23	2:hh:150:THR:HA	1.84	0.59
2:kh:36:THR:HB	2:kh:103:LEU:O	2.02	0.59
2:kh:111:THR:HG23	2:kh:150:THR:HA	1.84	0.59
2:qh:57:TRP:CE2	2:qh:101:LEU:HB2	2.37	0.59
2:rh:37:LEU:HD11	2:rh:149:VAL:HG21	1.84	0.59
2:sh:57:TRP:CE2	2:sh:101:LEU:HB2	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:36:THR:HB	2:4h:103:LEU:O	2.02	0.59
2:5h:88:VAL:HG12	2:5h:103:LEU:HD21	1.84	0.59
2:6h:36:THR:HB	2:6h:103:LEU:O	2.02	0.59
2:7h:57:TRP:CE2	2:7h:101:LEU:HB2	2.37	0.59
3:Al:71:TYR:O	3:Al:75:LYS:HB2	2.03	0.59
3:Ml:71:TYR:O	3:Ml:75:LYS:HB2	2.03	0.59
3:Nl:71:TYR:O	3:Nl:75:LYS:HB2	2.03	0.59
3:Ql:71:TYR:O	3:Ql:75:LYS:HB2	2.03	0.59
3:Zl:71:TYR:O	3:Zl:75:LYS:HB2	2.03	0.59
3:al:71:TYR:O	3:al:75:LYS:HB2	2.03	0.59
3:ll:71:TYR:O	3:ll:75:LYS:HB2	2.03	0.59
3:3l:53:ASN:ND2	3:3l:88:LYS:CD	2.65	0.59
1:G:238:ARG:HH22	1:G:309:LYS:HG3	1.68	0.59
1:H:295:ASP:OD1	1:H:298:ARG:NH1	2.36	0.59
1:J:238:ARG:HH22	1:J:309:LYS:HG3	1.68	0.59
1:O:238:ARG:HH22	1:O:309:LYS:HG3	1.68	0.59
1:T:295:ASP:OD1	1:T:298:ARG:NH1	2.36	0.59
1:V:295:ASP:OD1	1:V:298:ARG:NH1	2.36	0.59
1:Y:295:ASP:OD1	1:Y:298:ARG:NH1	2.36	0.59
1:d:389:ARG:HG3	1:w:732:THR:HG21	1.84	0.59
1:l:295:ASP:OD1	1:l:298:ARG:NH1	2.36	0.59
1:m:389:ARG:HG3	1:1:732:THR:HG21	1.84	0.59
1:4:295:ASP:OD1	1:4:298:ARG:NH1	2.36	0.59
2:Hh:36:THR:HB	2:Hh:103:LEU:O	2.02	0.59
2:Hh:88:VAL:HG12	2:Hh:103:LEU:HD21	1.83	0.59
2:Hh:106:VAL:HA	2:Hh:110:ASP:OD2	2.01	0.59
2:Kh:111:THR:HG23	2:Kh:150:THR:HA	1.83	0.59
2:Rh:111:THR:HG23	2:Rh:150:THR:HA	1.83	0.59
2:Xh:88:VAL:HG12	2:Xh:103:LEU:HD21	1.83	0.59
2:ah:111:THR:HG23	2:ah:150:THR:HA	1.84	0.59
2:bh:36:THR:HB	2:bh:103:LEU:O	2.02	0.59
2:fh:106:VAL:HA	2:fh:110:ASP:OD2	2.01	0.59
2:nh:36:THR:HB	2:nh:103:LEU:O	2.02	0.59
2:sh:111:THR:HG23	2:sh:150:THR:HA	1.84	0.59
2:0h:37:LEU:HD11	2:0h:149:VAL:HG21	1.84	0.59
2:5h:111:THR:HG23	2:5h:150:THR:HA	1.83	0.59
2:7h:111:THR:HG23	2:7h:150:THR:HA	1.84	0.59
3:Hl:71:TYR:O	3:Hl:75:LYS:HB2	2.03	0.59
3:Yl:71:TYR:O	3:Yl:75:LYS:HB2	2.03	0.59
3:kl:71:TYR:O	3:kl:75:LYS:HB2	2.03	0.59
3:2l:71:TYR:O	3:2l:75:LYS:HB2	2.03	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:7l:71:TYR:O	3:7l:75:LYS:HB2	2.03	0.59
1:L:238:ARG:HH22	1:L:309:LYS:HG3	1.68	0.59
1:Y:238:ARG:HH22	1:Y:309:LYS:HG3	1.68	0.59
1:Z:675:THR:HG21	1:m:654:PRO:HD2	1.85	0.59
1:a:654:PRO:HD2	1:l:675:THR:HG21	1.85	0.59
1:b:675:THR:HG21	1:r:654:PRO:HD2	1.85	0.59
1:g:295:ASP:OD1	1:g:298:ARG:NH1	2.36	0.59
1:k:295:ASP:OD1	1:k:298:ARG:NH1	2.36	0.59
1:v:295:ASP:OD1	1:v:298:ARG:NH1	2.36	0.59
1:0:654:PRO:HD2	1:6:675:THR:HG21	1.85	0.59
1:2:675:THR:HG21	1:7:654:PRO:HD2	1.85	0.59
1:7:238:ARG:HH22	1:7:309:LYS:HG3	1.68	0.59
2:Dh:106:VAL:HA	2:Dh:110:ASP:OD2	2.01	0.59
2:Gh:37:LEU:HD11	2:Gh:149:VAL:HG21	1.84	0.59
2:Ih:36:THR:HB	2:Ih:103:LEU:O	2.02	0.59
2:Kh:88:VAL:HG12	2:Kh:103:LEU:HD21	1.84	0.59
2:Ph:36:THR:HB	2:Ph:103:LEU:O	2.02	0.59
2:Rh:88:VAL:HG12	2:Rh:103:LEU:HD21	1.84	0.59
2:Vh:57:TRP:CE2	2:Vh:101:LEU:HB2	2.37	0.59
2:Wh:36:THR:HB	2:Wh:103:LEU:O	2.02	0.59
2:Yh:88:VAL:HG12	2:Yh:103:LEU:HD21	1.84	0.59
2:Zh:88:VAL:HG12	2:Zh:103:LEU:HD21	1.84	0.59
2:eh:88:VAL:HG12	2:eh:103:LEU:HD21	1.84	0.59
2:eh:111:THR:HG23	2:eh:150:THR:HA	1.83	0.59
2:jh:37:LEU:HD11	2:jh:149:VAL:HG21	1.84	0.59
2:rh:111:THR:HG23	2:rh:150:THR:HA	1.84	0.59
3:Dl:71:TYR:O	3:Dl:75:LYS:HB2	2.03	0.59
3:al:53:ASN:ND2	3:al:88:LYS:CD	2.65	0.59
3:ml:71:TYR:O	3:ml:75:LYS:HB2	2.03	0.59
1:C:295:ASP:OD1	1:C:298:ARG:NH1	2.36	0.59
1:G:295:ASP:OD1	1:G:298:ARG:NH1	2.36	0.59
1:H:238:ARG:HH22	1:H:309:LYS:HG3	1.68	0.59
1:J:732:THR:HG21	1:W:389:ARG:HG3	1.84	0.59
1:L:295:ASP:OD1	1:L:298:ARG:NH1	2.36	0.59
1:M:675:THR:HG21	1:R:654:PRO:HD2	1.85	0.59
1:O:295:ASP:OD1	1:O:298:ARG:NH1	2.36	0.59
1:S:238:ARG:HH22	1:S:309:LYS:HG3	1.68	0.59
1:Z:654:PRO:HD2	1:t:675:THR:HG21	1.85	0.59
1:a:238:ARG:HH22	1:a:309:LYS:HG3	1.68	0.59
1:d:238:ARG:HH22	1:d:309:LYS:HG3	1.68	0.59
1:i:675:THR:HG21	1:6:654:PRO:HD2	1.85	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:o:295:ASP:OD1	1:o:298:ARG:NH1	2.36	0.59
1:s:295:ASP:OD1	1:s:298:ARG:NH1	2.36	0.59
1:w:675:THR:HG21	1:1:654:PRO:HD2	1.85	0.59
1:x:295:ASP:OD1	1:x:298:ARG:NH1	2.36	0.59
1:y:295:ASP:OD1	1:y:298:ARG:NH1	2.36	0.59
2:Eh:36:THR:HB	2:Eh:103:LEU:O	2.02	0.59
2:Fh:57:TRP:CE2	2:Fh:101:LEU:HB2	2.37	0.59
2:Nh:57:TRP:CE2	2:Nh:101:LEU:HB2	2.37	0.59
2:Oh:36:THR:HB	2:Oh:103:LEU:O	2.02	0.59
2:ch:57:TRP:CE2	2:ch:101:LEU:HB2	2.37	0.59
2:ch:88:VAL:HG12	2:ch:103:LEU:HD21	1.84	0.59
2:fh:57:TRP:CE2	2:fh:101:LEU:HB2	2.37	0.59
2:gh:37:LEU:HD11	2:gh:149:VAL:HG21	1.84	0.59
2:jh:111:THR:HG23	2:jh:150:THR:HA	1.84	0.59
2:mh:37:LEU:HD11	2:mh:149:VAL:HG21	1.84	0.59
2:yh:106:VAL:HA	2:yh:110:ASP:OD2	2.01	0.59
2:3h:57:TRP:CE2	2:3h:101:LEU:HB2	2.37	0.59
2:3h:88:VAL:HG12	2:3h:103:LEU:HD21	1.84	0.59
2:6h:88:VAL:HG12	2:6h:103:LEU:HD21	1.84	0.59
3:ll:53:ASN:ND2	3:ll:88:LYS:CD	2.65	0.59
3:yl:71:TYR:O	3:yl:75:LYS:HB2	2.03	0.59
3:0l:71:TYR:O	3:0l:75:LYS:HB2	2.03	0.59
3:2l:53:ASN:ND2	3:2l:88:LYS:CD	2.65	0.59
3:7l:53:ASN:ND2	3:7l:88:LYS:CD	2.65	0.59
1:D:295:ASP:OD1	1:D:298:ARG:NH1	2.36	0.58
1:K:295:ASP:OD1	1:K:298:ARG:NH1	2.36	0.58
1:R:295:ASP:OD1	1:R:298:ARG:NH1	2.36	0.58
1:S:295:ASP:OD1	1:S:298:ARG:NH1	2.36	0.58
1:f:238:ARG:HH22	1:f:309:LYS:HG3	1.68	0.58
1:k:675:THR:HG21	1:p:654:PRO:HD2	1.85	0.58
1:n:654:PRO:HD2	1:p:675:THR:HG21	1.85	0.58
1:s:675:THR:HG21	1:w:654:PRO:HD2	1.85	0.58
1:4:238:ARG:HH22	1:4:309:LYS:HG3	1.68	0.58
2:Bh:88:VAL:HG12	2:Bh:103:LEU:HD21	1.83	0.58
2:Eh:88:VAL:HG12	2:Eh:103:LEU:HD21	1.84	0.58
2:Gh:36:THR:HB	2:Gh:103:LEU:O	2.02	0.58
2:Hh:57:TRP:CE2	2:Hh:101:LEU:HB2	2.37	0.58
2:Ih:88:VAL:HG12	2:Ih:103:LEU:HD21	1.83	0.58
2:Oh:37:LEU:HD11	2:Oh:149:VAL:HG21	1.84	0.58
2:zh:88:VAL:HG12	2:zh:103:LEU:HD21	1.83	0.58
1:I:238:ARG:HH22	1:I:309:LYS:HG3	1.68	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:389:ARG:HG3	1:X:732:THR:HG21	1.84	0.58
1:V:238:ARG:HH22	1:V:309:LYS:HG3	1.68	0.58
1:V:389:ARG:HG3	1:3:732:THR:HG21	1.84	0.58
1:W:238:ARG:HH22	1:W:309:LYS:HG3	1.68	0.58
1:X:389:ARG:HG3	1:2:732:THR:HG21	1.83	0.58
1:e:238:ARG:HH21	1:e:238:ARG:CG	2.14	0.58
1:i:238:ARG:HH22	1:i:309:LYS:HG3	1.68	0.58
1:t:654:PRO:HD2	1:v:675:THR:HG21	1.85	0.58
1:u:238:ARG:HH22	1:u:309:LYS:HG3	1.68	0.58
2:Dh:88:VAL:HG12	2:Dh:103:LEU:HD21	1.84	0.58
2:Ph:88:VAL:HG12	2:Ph:103:LEU:HD21	1.84	0.58
2:Th:37:LEU:HD11	2:Th:149:VAL:HG21	1.84	0.58
2:Uh:88:VAL:HG12	2:Uh:103:LEU:HD21	1.84	0.58
2:hh:57:TRP:CE2	2:hh:101:LEU:HB2	2.37	0.58
2:hh:88:VAL:HG12	2:hh:103:LEU:HD21	1.84	0.58
2:th:57:TRP:CE2	2:th:101:LEU:HB2	2.37	0.58
2:yh:88:VAL:HG12	2:yh:103:LEU:HD21	1.84	0.58
3:Bl:71:TYR:O	3:Bl:75:LYS:HB2	2.03	0.58
3:Kl:53:ASN:ND2	3:Kl:88:LYS:CD	2.65	0.58
3:Ml:53:ASN:ND2	3:Ml:88:LYS:CD	2.65	0.58
3:yl:58:TYR:HE2	3:yl:111:CYS:HB2	1.66	0.58
1:I:295:ASP:OD1	1:I:298:ARG:NH1	2.36	0.58
1:J:389:ARG:HG3	1:l:732:THR:HG21	1.83	0.58
1:K:654:PRO:HD2	1:Q:675:THR:HG21	1.85	0.58
1:M:238:ARG:HH22	1:M:309:LYS:HG3	1.68	0.58
1:i:654:PRO:HD2	1:o:675:THR:HG21	1.85	0.58
1:m:675:THR:HG21	1:q:654:PRO:HD2	1.85	0.58
1:q:238:ARG:HH22	1:q:309:LYS:HG3	1.68	0.58
1:t:238:ARG:HH22	1:t:309:LYS:HG3	1.68	0.58
2:Xh:36:THR:HB	2:Xh:103:LEU:O	2.02	0.58
2:Yh:57:TRP:CE2	2:Yh:101:LEU:HB2	2.37	0.58
2:ih:57:TRP:CE2	2:ih:101:LEU:HB2	2.37	0.58
2:lh:37:LEU:HD11	2:lh:149:VAL:HG21	1.84	0.58
2:2h:37:LEU:HD11	2:2h:149:VAL:HG21	1.84	0.58
3:Ql:53:ASN:ND2	3:Ql:88:LYS:CD	2.65	0.58
3:Tl:71:TYR:O	3:Tl:75:LYS:HB2	2.03	0.58
3:gl:71:TYR:O	3:gl:75:LYS:HB2	2.03	0.58
3:il:71:TYR:O	3:il:75:LYS:HB2	2.03	0.58
3:zl:71:TYR:O	3:zl:75:LYS:HB2	2.03	0.58
3:1l:53:ASN:ND2	3:1l:88:LYS:CD	2.65	0.58
1:B:295:ASP:OD1	1:B:298:ARG:NH1	2.36	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:675:THR:HG21	1:l:654:PRO:HD2	1.85	0.58
1:W:295:ASP:OD1	1:W:298:ARG:NH1	2.36	0.58
1:c:732:THR:HG21	1:f:389:ARG:HG3	1.84	0.58
1:h:238:ARG:HG2	1:h:238:ARG:NH2	2.12	0.58
1:z:295:ASP:OD1	1:z:298:ARG:NH1	2.36	0.58
2:Dh:37:LEU:HD11	2:Dh:149:VAL:HG21	1.84	0.58
2:Mh:88:VAL:HG12	2:Mh:103:LEU:HD21	1.83	0.58
2:Qh:111:THR:HG23	2:Qh:150:THR:HA	1.83	0.58
2:Th:88:VAL:HG12	2:Th:103:LEU:HD21	1.84	0.58
2:Uh:57:TRP:CE2	2:Uh:101:LEU:HB2	2.37	0.58
2:Wh:88:VAL:HG12	2:Wh:103:LEU:HD21	1.84	0.58
2:gh:88:VAL:HG12	2:gh:103:LEU:HD21	1.84	0.58
3:Rl:53:ASN:ND2	3:Rl:88:LYS:CD	2.65	0.58
3:nl:53:ASN:ND2	3:nl:88:LYS:CD	2.65	0.58
3:rl:71:TYR:O	3:rl:75:LYS:HB2	2.03	0.58
3:tl:71:TYR:O	3:tl:75:LYS:HB2	2.03	0.58
1:K:238:ARG:HH22	1:K:309:LYS:HG3	1.68	0.58
1:Q:238:ARG:HH22	1:Q:309:LYS:HG3	1.68	0.58
1:k:238:ARG:HH22	1:k:309:LYS:HG3	1.68	0.58
1:r:295:ASP:OD1	1:r:298:ARG:NH1	2.36	0.58
1:1:295:ASP:OD1	1:1:298:ARG:NH1	2.36	0.58
1:5:238:ARG:HH21	1:5:238:ARG:CG	2.14	0.58
1:6:238:ARG:HG2	1:6:238:ARG:NH2	2.12	0.58
1:6:238:ARG:HH22	1:6:309:LYS:HG3	1.68	0.58
2:Fh:88:VAL:HG12	2:Fh:103:LEU:HD21	1.83	0.58
2:Jh:36:THR:HB	2:Jh:103:LEU:O	2.02	0.58
2:Mh:111:THR:HG23	2:Mh:150:THR:HA	1.83	0.58
2:Nh:88:VAL:HG12	2:Nh:103:LEU:HD21	1.83	0.58
2:Qh:88:VAL:HG12	2:Qh:103:LEU:HD21	1.83	0.58
2:yh:37:LEU:HD11	2:yh:149:VAL:HG21	1.84	0.58
2:3h:111:THR:HG23	2:3h:150:THR:HA	1.84	0.58
3:Dl:58:TYR:HE2	3:Dl:111:CYS:HB2	1.66	0.58
3:cl:71:TYR:O	3:cl:75:LYS:HB2	2.03	0.58
3:dl:53:ASN:ND2	3:dl:88:LYS:CD	2.65	0.58
3:jl:71:TYR:O	3:jl:75:LYS:HB2	2.03	0.58
3:ml:53:ASN:ND2	3:ml:88:LYS:CD	2.65	0.58
3:ol:53:ASN:ND2	3:ol:88:LYS:CD	2.65	0.58
3:4l:53:ASN:ND2	3:4l:88:LYS:CD	2.65	0.58
1:A:295:ASP:OD1	1:A:298:ARG:NH1	2.36	0.58
1:B:654:PRO:HD2	1:n:675:THR:HG21	1.85	0.58
1:P:675:THR:HG21	1:3:654:PRO:HD2	1.85	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:T:675:THR:HG21	1:s:654:PRO:HD2	1.85	0.58
1:Z:238:ARG:HH22	1:Z:309:LYS:HG3	1.68	0.58
1:b:295:ASP:OD1	1:b:298:ARG:NH1	2.36	0.58
1:j:295:ASP:OD1	1:j:298:ARG:NH1	2.36	0.58
1:n:295:ASP:OD1	1:n:298:ARG:NH1	2.36	0.58
1:v:238:ARG:HH22	1:v:309:LYS:HG3	1.68	0.58
1:y:675:THR:HG21	1:2:654:PRO:HD2	1.85	0.58
1:z:654:PRO:HD2	1:1:675:THR:HG21	1.85	0.58
1:6:295:ASP:OD1	1:6:298:ARG:NH1	2.36	0.58
2:Ch:57:TRP:CE2	2:Ch:101:LEU:HB2	2.37	0.58
2:Eh:111:THR:HG23	2:Eh:150:THR:HA	1.84	0.58
2:ih:58:ILE:HG23	2:ih:67:GLU:O	2.04	0.58
2:oh:58:ILE:HG23	2:oh:67:GLU:O	2.04	0.58
2:th:58:ILE:HG23	2:th:67:GLU:O	2.04	0.58
3:Bl:53:ASN:ND2	3:Bl:88:LYS:CD	2.65	0.58
3:Cl:71:TYR:O	3:Cl:75:LYS:HB2	2.03	0.58
3:el:53:ASN:ND2	3:el:88:LYS:CD	2.65	0.58
3:ql:71:TYR:O	3:ql:75:LYS:HB2	2.03	0.58
3:rl:53:ASN:ND2	3:rl:88:LYS:CD	2.65	0.58
3:ul:71:TYR:O	3:ul:75:LYS:HB2	2.03	0.58
3:3l:71:TYR:O	3:3l:75:LYS:HB2	2.03	0.58
1:E:295:ASP:OD1	1:E:298:ARG:NH1	2.36	0.58
1:E:675:THR:HG21	1:c:654:PRO:HD2	1.85	0.58
1:I:654:PRO:HD2	1:3:675:THR:HG21	1.85	0.58
1:N:654:PRO:HD2	1:5:675:THR:HG21	1.85	0.58
1:P:295:ASP:OD1	1:P:298:ARG:NH1	2.36	0.58
1:R:238:ARG:HH22	1:R:309:LYS:HG3	1.68	0.58
1:U:654:PRO:HD2	1:r:675:THR:HG21	1.85	0.58
1:Z:295:ASP:OD1	1:Z:298:ARG:NH1	2.36	0.58
1:e:238:ARG:HH22	1:e:309:LYS:HG3	1.68	0.58
1:g:238:ARG:HH22	1:g:309:LYS:HG3	1.68	0.58
1:g:675:THR:HG21	1:k:654:PRO:HD2	1.85	0.58
1:m:238:ARG:HG2	1:m:238:ARG:NH2	2.12	0.58
1:o:238:ARG:HG2	1:o:238:ARG:NH2	2.12	0.58
1:o:238:ARG:HH22	1:o:309:LYS:HG3	1.68	0.58
1:s:238:ARG:HH22	1:s:309:LYS:HG3	1.68	0.58
1:0:238:ARG:HG2	1:0:238:ARG:NH2	2.12	0.58
2:Ph:111:THR:HG23	2:Ph:150:THR:HA	1.84	0.58
2:ch:31:VAL:CG1	2:ch:106:VAL:HG11	2.34	0.58
2:ch:111:THR:HG23	2:ch:150:THR:HA	1.84	0.58
2:eh:31:VAL:CG1	2:eh:106:VAL:HG11	2.34	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:eh:58:ILE:HG23	2:eh:67:GLU:O	2.04	0.58
2:jh:58:ILE:HG23	2:jh:67:GLU:O	2.04	0.58
2:nh:111:THR:HG23	2:nh:150:THR:HA	1.84	0.58
2:rh:58:ILE:HG23	2:rh:67:GLU:O	2.04	0.58
2:vh:58:ILE:HG23	2:vh:67:GLU:O	2.04	0.58
2:xh:57:TRP:CE2	2:xh:101:LEU:HB2	2.37	0.58
2:1h:111:THR:HG23	2:1h:150:THR:HA	1.84	0.58
2:3h:31:VAL:CG1	2:3h:106:VAL:HG11	2.34	0.58
2:5h:37:LEU:HD11	2:5h:149:VAL:HG21	1.84	0.58
2:5h:58:ILE:HG23	2:5h:67:GLU:O	2.04	0.58
3:Jl:71:TYR:O	3:Jl:75:LYS:HB2	2.03	0.58
3:jl:53:ASN:ND2	3:jl:88:LYS:CD	2.65	0.58
3:nl:71:TYR:O	3:nl:75:LYS:HB2	2.03	0.58
1:F:654:PRO:HD2	1:e:675:THR:HG21	1.85	0.58
1:T:238:ARG:HH22	1:T:309:LYS:HG3	1.68	0.58
1:U:238:ARG:HG2	1:U:238:ARG:NH2	2.12	0.58
1:W:654:PRO:HD2	1:c:675:THR:HG21	1.85	0.58
1:i:295:ASP:OD1	1:i:298:ARG:NH1	2.36	0.58
1:t:295:ASP:OD1	1:t:298:ARG:NH1	2.36	0.58
1:5:238:ARG:HH22	1:5:309:LYS:HG3	1.68	0.58
2:Bh:31:VAL:CG1	2:Bh:106:VAL:HG11	2.34	0.58
2:Fh:31:VAL:CG1	2:Fh:106:VAL:HG11	2.34	0.58
2:Fh:58:ILE:HG23	2:Fh:67:GLU:O	2.04	0.58
2:Kh:58:ILE:HG23	2:Kh:67:GLU:O	2.04	0.58
2:Nh:31:VAL:CG1	2:Nh:106:VAL:HG11	2.34	0.58
2:fh:31:VAL:CG1	2:fh:106:VAL:HG11	2.34	0.58
2:5h:31:VAL:CG1	2:5h:106:VAL:HG11	2.34	0.58
3:Ll:71:TYR:O	3:Ll:75:LYS:HB2	2.03	0.58
3:Sl:71:TYR:O	3:Sl:75:LYS:HB2	2.03	0.58
3:zl:53:ASN:ND2	3:zl:88:LYS:CD	2.65	0.58
3:5l:53:ASN:ND2	3:5l:88:LYS:CD	2.65	0.58
1:F:238:ARG:HH22	1:F:309:LYS:HG3	1.68	0.58
1:J:654:PRO:HD2	1:L:675:THR:HG21	1.85	0.58
1:P:238:ARG:HG2	1:P:238:ARG:NH2	2.12	0.58
1:V:654:PRO:HD2	1:X:675:THR:HG21	1.84	0.58
1:Z:238:ARG:HG2	1:Z:238:ARG:NH2	2.12	0.58
1:h:654:PRO:HD2	1:j:675:THR:HG21	1.85	0.58
1:q:295:ASP:OD1	1:q:298:ARG:NH1	2.36	0.58
1:u:295:ASP:OD1	1:u:298:ARG:NH1	2.36	0.58
1:u:654:PRO:HD2	1:0:675:THR:HG21	1.86	0.58
2:Eh:58:ILE:HG23	2:Eh:67:GLU:O	2.04	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Nh:58:ILE:HG23	2:Nh:67:GLU:O	2.04	0.58
2:Zh:31:VAL:CG1	2:Zh:106:VAL:HG11	2.34	0.58
2:dh:58:ILE:HG23	2:dh:67:GLU:O	2.04	0.58
2:gh:58:ILE:HG23	2:gh:67:GLU:O	2.04	0.58
2:ph:58:ILE:HG23	2:ph:67:GLU:O	2.04	0.58
2:zh:31:VAL:CG1	2:zh:106:VAL:HG11	2.34	0.58
3:Kl:71:TYR:O	3:Kl:75:LYS:HB2	2.03	0.58
3:Ll:25:THR:HB	3:Ll:43:THR:HG22	1.86	0.58
3:Sl:25:THR:HB	3:Sl:43:THR:HG22	1.86	0.58
3:Xl:71:TYR:O	3:Xl:75:LYS:HB2	2.03	0.58
3:Zl:53:ASN:ND2	3:Zl:88:LYS:CD	2.65	0.58
3:xl:71:TYR:O	3:xl:75:LYS:HB2	2.03	0.58
3:ll:71:TYR:O	3:ll:75:LYS:HB2	2.03	0.58
3:6l:53:ASN:ND2	3:6l:88:LYS:CD	2.65	0.58
1:A:238:ARG:HH22	1:A:309:LYS:HG3	1.68	0.58
1:A:675:THR:HG21	1:j:654:PRO:HD2	1.86	0.58
1:B:389:ARG:HG3	1:6:732:THR:HG21	1.84	0.58
1:C:654:PRO:HD2	1:f:675:THR:HG21	1.85	0.58
1:H:675:THR:HG21	1:4:654:PRO:HD2	1.85	0.58
1:S:675:THR:HG21	1:X:654:PRO:HD2	1.85	0.58
1:T:654:PRO:HD2	1:z:675:THR:HG21	1.85	0.58
1:U:295:ASP:OD1	1:U:298:ARG:NH1	2.36	0.58
1:b:238:ARG:HH22	1:b:309:LYS:HG3	1.68	0.58
1:h:295:ASP:OD1	1:h:298:ARG:NH1	2.36	0.58
2:Ph:58:ILE:HG23	2:Ph:67:GLU:O	2.04	0.58
2:Rh:58:ILE:HG23	2:Rh:67:GLU:O	2.04	0.58
2:Vh:31:VAL:CG1	2:Vh:106:VAL:HG11	2.34	0.58
2:bh:31:VAL:CG1	2:bh:106:VAL:HG11	2.34	0.58
2:ch:37:LEU:HD11	2:ch:149:VAL:HG21	1.84	0.58
2:eh:37:LEU:HD11	2:eh:149:VAL:HG21	1.84	0.58
2:hh:36:THR:HB	2:hh:103:LEU:O	2.02	0.58
2:nh:31:VAL:CG1	2:nh:106:VAL:HG11	2.34	0.58
2:ph:31:VAL:CG1	2:ph:106:VAL:HG11	2.34	0.58
2:qh:31:VAL:CG1	2:qh:106:VAL:HG11	2.34	0.58
2:sh:37:LEU:HD11	2:sh:149:VAL:HG21	1.84	0.58
2:wh:31:VAL:CG1	2:wh:106:VAL:HG11	2.34	0.58
2:wh:58:ILE:HG23	2:wh:67:GLU:O	2.04	0.58
2:4h:58:ILE:HG23	2:4h:67:GLU:O	2.04	0.58
2:6h:31:VAL:CG1	2:6h:106:VAL:HG11	2.34	0.58
3:ll:25:THR:HB	3:ll:43:THR:HG22	1.86	0.58
3:2l:25:THR:HB	3:2l:43:THR:HG22	1.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:675:THR:HG21	1:g:654:PRO:HD2	1.85	0.57
1:N:238:ARG:HH22	1:N:309:LYS:HG3	1.68	0.57
1:Y:675:THR:HG21	1:d:654:PRO:HD2	1.85	0.57
1:Z:732:THR:HG21	1:z:389:ARG:HG3	1.84	0.57
1:b:311:LEU:HD23	1:b:311:LEU:C	2.30	0.57
1:q:675:THR:HG21	1:v:654:PRO:HD2	1.85	0.57
1:v:238:ARG:HG2	1:v:238:ARG:NH2	2.12	0.57
2:Ah:31:VAL:CG1	2:Ah:106:VAL:HG11	2.34	0.57
2:Hh:58:ILE:HG23	2:Hh:67:GLU:O	2.04	0.57
2:Oh:58:ILE:HG23	2:Oh:67:GLU:O	2.04	0.57
2:Th:58:ILE:HG23	2:Th:67:GLU:O	2.04	0.57
2:jh:36:THR:HB	2:jh:103:LEU:O	2.02	0.57
2:qh:58:ILE:HG23	2:qh:67:GLU:O	2.04	0.57
2:rh:36:THR:HB	2:rh:103:LEU:O	2.02	0.57
2:uh:31:VAL:CG1	2:uh:106:VAL:HG11	2.34	0.57
2:uh:58:ILE:HG23	2:uh:67:GLU:O	2.04	0.57
2:1h:31:VAL:CG1	2:1h:106:VAL:HG11	2.34	0.57
2:3h:37:LEU:HD11	2:3h:149:VAL:HG21	1.84	0.57
3:Rl:71:TYR:O	3:Rl:75:LYS:HB2	2.03	0.57
3:Wl:71:TYR:O	3:Wl:75:LYS:HB2	2.03	0.57
3:7l:25:THR:HB	3:7l:43:THR:HG22	1.86	0.57
1:A:311:LEU:HD23	1:A:311:LEU:C	2.30	0.57
1:Z:311:LEU:HD23	1:Z:311:LEU:C	2.30	0.57
1:6:311:LEU:HD23	1:6:311:LEU:C	2.30	0.57
2:Ch:31:VAL:O	2:Ch:151:VAL:HG13	2.05	0.57
2:Dh:31:VAL:CG1	2:Dh:106:VAL:HG11	2.34	0.57
2:Dh:58:ILE:HG23	2:Dh:67:GLU:O	2.04	0.57
2:Kh:31:VAL:O	2:Kh:151:VAL:HG13	2.05	0.57
2:Rh:31:VAL:O	2:Rh:151:VAL:HG13	2.05	0.57
2:Yh:58:ILE:HG23	2:Yh:67:GLU:O	2.04	0.57
2:ah:31:VAL:CG1	2:ah:106:VAL:HG11	2.34	0.57
2:hh:58:ILE:HG23	2:hh:67:GLU:O	2.04	0.57
2:kh:37:LEU:HD11	2:kh:149:VAL:HG21	1.84	0.57
2:xh:58:ILE:HG23	2:xh:67:GLU:O	2.04	0.57
2:yh:31:VAL:CG1	2:yh:106:VAL:HG11	2.34	0.57
3:Il:71:TYR:O	3:Il:75:LYS:HB2	2.03	0.57
3:al:25:THR:HB	3:al:43:THR:HG22	1.86	0.57
1:A:654:PRO:HD2	1:4:675:THR:HG21	1.85	0.57
1:C:238:ARG:HH22	1:C:309:LYS:HG3	1.68	0.57
1:D:311:LEU:HD23	1:D:311:LEU:C	2.30	0.57
1:G:732:THR:HG21	1:p:389:ARG:HG3	1.84	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:311:LEU:HD23	1:O:311:LEU:C	2.30	0.57
1:O:732:THR:HG21	1:w:389:ARG:HG3	1.84	0.57
1:Q:654:PRO:HD2	1:W:675:THR:HG21	1.85	0.57
1:U:311:LEU:HD23	1:U:311:LEU:C	2.30	0.57
1:h:238:ARG:HH22	1:h:309:LYS:HG3	1.68	0.57
1:h:311:LEU:C	1:h:311:LEU:HD23	2.30	0.57
1:v:311:LEU:C	1:v:311:LEU:HD23	2.30	0.57
1:w:238:ARG:HH22	1:w:309:LYS:HG3	1.68	0.57
2:Ch:58:ILE:HG23	2:Ch:67:GLU:O	2.04	0.57
2:Eh:31:VAL:O	2:Eh:151:VAL:HG13	2.05	0.57
2:Gh:58:ILE:HG23	2:Gh:67:GLU:O	2.04	0.57
2:Ih:31:VAL:CG1	2:Ih:106:VAL:HG11	2.34	0.57
2:Ih:58:ILE:HG23	2:Ih:67:GLU:O	2.04	0.57
2:Mh:31:VAL:O	2:Mh:151:VAL:HG13	2.05	0.57
2:Ph:31:VAL:O	2:Ph:151:VAL:HG13	2.05	0.57
2:Sh:58:ILE:HG23	2:Sh:67:GLU:O	2.04	0.57
2:Uh:36:THR:HB	2:Uh:103:LEU:O	2.02	0.57
2:Uh:58:ILE:HG23	2:Uh:67:GLU:O	2.04	0.57
2:Vh:58:ILE:HG23	2:Vh:67:GLU:O	2.04	0.57
2:Wh:58:ILE:HG23	2:Wh:67:GLU:O	2.04	0.57
2:bh:31:VAL:O	2:bh:151:VAL:HG13	2.05	0.57
2:jh:31:VAL:CG1	2:jh:106:VAL:HG11	2.34	0.57
2:lh:58:ILE:HG23	2:lh:67:GLU:O	2.04	0.57
2:mh:31:VAL:O	2:mh:151:VAL:HG13	2.05	0.57
2:ph:31:VAL:O	2:ph:151:VAL:HG13	2.05	0.57
2:qh:31:VAL:O	2:qh:151:VAL:HG13	2.05	0.57
2:uh:31:VAL:O	2:uh:151:VAL:HG13	2.05	0.57
2:vh:31:VAL:O	2:vh:151:VAL:HG13	2.05	0.57
2:xh:31:VAL:O	2:xh:151:VAL:HG13	2.05	0.57
2:0h:31:VAL:O	2:0h:151:VAL:HG13	2.05	0.57
2:7h:31:VAL:CG1	2:7h:106:VAL:HG11	2.34	0.57
3:Al:25:THR:HB	3:Al:43:THR:HG22	1.86	0.57
3:Jl:25:THR:HB	3:Jl:43:THR:HG22	1.86	0.57
3:Ol:71:TYR:O	3:Ol:75:LYS:HB2	2.03	0.57
3:Xl:25:THR:HB	3:Xl:43:THR:HG22	1.86	0.57
3:Yl:25:THR:HB	3:Yl:43:THR:HG22	1.86	0.57
3:tl:25:THR:HB	3:tl:43:THR:HG22	1.86	0.57
1:B:238:ARG:HG2	1:B:238:ARG:NH2	2.12	0.57
1:D:238:ARG:HH21	1:D:238:ARG:CG	2.14	0.57
1:E:238:ARG:HG2	1:E:238:ARG:NH2	2.12	0.57
1:G:311:LEU:HD23	1:G:311:LEU:C	2.30	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:675:THR:HG21	1:M:654:PRO:HD2	1.85	0.57
1:J:311:LEU:HD23	1:J:311:LEU:C	2.30	0.57
1:V:675:THR:HG21	1:x:654:PRO:HD2	1.85	0.57
1:X:311:LEU:C	1:X:311:LEU:HD23	2.30	0.57
1:p:238:ARG:HH22	1:p:309:LYS:HG3	1.68	0.57
1:x:238:ARG:HH22	1:x:309:LYS:HG3	1.68	0.57
1:y:311:LEU:HD23	1:y:311:LEU:C	2.30	0.57
2:Ah:31:VAL:O	2:Ah:151:VAL:HG13	2.05	0.57
2:Ah:58:ILE:HG23	2:Ah:67:GLU:O	2.04	0.57
2:Lh:58:ILE:HG23	2:Lh:67:GLU:O	2.04	0.57
2:Mh:58:ILE:HG23	2:Mh:67:GLU:O	2.04	0.57
2:Qh:31:VAL:O	2:Qh:151:VAL:HG13	2.05	0.57
2:Qh:58:ILE:HG23	2:Qh:67:GLU:O	2.04	0.57
2:Wh:31:VAL:CG1	2:Wh:106:VAL:HG11	2.34	0.57
2:Zh:58:ILE:HG23	2:Zh:67:GLU:O	2.04	0.57
2:bh:58:ILE:HG23	2:bh:67:GLU:O	2.04	0.57
2:eh:31:VAL:O	2:eh:151:VAL:HG13	2.05	0.57
2:fh:58:ILE:HG23	2:fh:67:GLU:O	2.04	0.57
2:jh:31:VAL:O	2:jh:151:VAL:HG13	2.05	0.57
2:kh:31:VAL:CG1	2:kh:106:VAL:HG11	2.34	0.57
2:kh:31:VAL:O	2:kh:151:VAL:HG13	2.05	0.57
2:oh:31:VAL:O	2:oh:151:VAL:HG13	2.05	0.57
2:rh:31:VAL:CG1	2:rh:106:VAL:HG11	2.34	0.57
2:rh:31:VAL:O	2:rh:151:VAL:HG13	2.05	0.57
2:sh:31:VAL:CG1	2:sh:106:VAL:HG11	2.34	0.57
2:sh:31:VAL:O	2:sh:151:VAL:HG13	2.05	0.57
2:vh:36:THR:HB	2:vh:103:LEU:O	2.02	0.57
2:wh:31:VAL:O	2:wh:151:VAL:HG13	2.05	0.57
2:yh:58:ILE:HG23	2:yh:67:GLU:O	2.04	0.57
2:2h:58:ILE:HG23	2:2h:67:GLU:O	2.04	0.57
2:3h:31:VAL:O	2:3h:151:VAL:HG13	2.05	0.57
2:5h:31:VAL:O	2:5h:151:VAL:HG13	2.05	0.57
3:Gl:71:TYR:O	3:Gl:75:LYS:HB2	2.03	0.57
3:Hl:25:THR:HB	3:Hl:43:THR:HG22	1.86	0.57
3:bl:25:THR:HB	3:bl:43:THR:HG22	1.86	0.57
3:il:25:THR:HB	3:il:43:THR:HG22	1.86	0.57
1:G:675:THR:HG21	1:L:654:PRO:HD2	1.85	0.57
1:b:654:PRO:HD2	1:d:675:THR:HG21	1.85	0.57
1:o:311:LEU:HD23	1:o:311:LEU:C	2.30	0.57
1:z:238:ARG:HG2	1:z:238:ARG:NH2	2.12	0.57
1:1:238:ARG:HH22	1:1:309:LYS:HG3	1.68	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3:238:ARG:HH22	1:3:309:LYS:HG3	1.68	0.57
2:Jh:58:ILE:HG23	2:Jh:67:GLU:O	2.04	0.57
2:Th:31:VAL:CG1	2:Th:106:VAL:HG11	2.34	0.57
2:Xh:58:ILE:HG23	2:Xh:67:GLU:O	2.04	0.57
2:ch:31:VAL:O	2:ch:151:VAL:HG13	2.05	0.57
2:gh:31:VAL:CG1	2:gh:106:VAL:HG11	2.34	0.57
2:oh:36:THR:HB	2:oh:103:LEU:O	2.02	0.57
2:xh:31:VAL:CG1	2:xh:106:VAL:HG11	2.34	0.57
2:2h:31:VAL:O	2:2h:151:VAL:HG13	2.05	0.57
3:Nl:25:THR:HB	3:Nl:43:THR:HG22	1.86	0.57
1:M:311:LEU:C	1:M:311:LEU:HD23	2.30	0.57
1:O:675:THR:HG21	1:S:654:PRO:HD2	1.85	0.57
1:U:238:ARG:HH22	1:U:309:LYS:HG3	1.68	0.57
1:a:311:LEU:HD23	1:a:311:LEU:C	2.30	0.57
1:c:311:LEU:C	1:c:311:LEU:HD23	2.30	0.57
1:m:238:ARG:HH21	1:m:238:ARG:CG	2.14	0.57
2:Bh:31:VAL:O	2:Bh:151:VAL:HG13	2.05	0.57
2:Bh:58:ILE:HG23	2:Bh:67:GLU:O	2.04	0.57
2:Oh:31:VAL:CG1	2:Oh:106:VAL:HG11	2.34	0.57
2:lh:31:VAL:O	2:lh:151:VAL:HG13	2.05	0.57
2:mh:58:ILE:HG23	2:mh:67:GLU:O	2.04	0.57
2:th:31:VAL:CG1	2:th:106:VAL:HG11	2.34	0.57
2:zh:58:ILE:HG23	2:zh:67:GLU:O	2.04	0.57
2:0h:31:VAL:CG1	2:0h:106:VAL:HG11	2.34	0.57
3:Fl:25:THR:HB	3:Fl:43:THR:HG22	1.86	0.57
1:D:238:ARG:HH22	1:D:309:LYS:HG3	1.68	0.57
1:E:654:PRO:HD2	1:K:675:THR:HG21	1.85	0.57
1:Q:311:LEU:HD23	1:Q:311:LEU:C	2.30	0.57
1:V:311:LEU:HD23	1:V:311:LEU:C	2.30	0.57
1:c:238:ARG:HH22	1:c:309:LYS:HG3	1.68	0.57
1:n:238:ARG:HH22	1:n:309:LYS:HG3	1.68	0.57
1:q:238:ARG:HG2	1:q:238:ARG:NH2	2.12	0.57
1:y:238:ARG:HH21	1:y:238:ARG:CG	2.14	0.57
1:5:654:PRO:HD2	1:7:675:THR:HG21	1.85	0.57
2:Ch:31:VAL:CG1	2:Ch:106:VAL:HG11	2.34	0.57
2:Mh:31:VAL:CG1	2:Mh:106:VAL:HG11	2.34	0.57
2:Qh:31:VAL:CG1	2:Qh:106:VAL:HG11	2.34	0.57
2:Th:31:VAL:O	2:Th:151:VAL:HG13	2.05	0.57
2:Uh:31:VAL:O	2:Uh:151:VAL:HG13	2.05	0.57
2:ah:58:ILE:HG23	2:ah:67:GLU:O	2.04	0.57
2:gh:31:VAL:O	2:gh:151:VAL:HG13	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ih:31:VAL:CG1	2:ih:106:VAL:HG11	2.34	0.57
2:mh:31:VAL:CG1	2:mh:106:VAL:HG11	2.34	0.57
2:6h:58:ILE:HG23	2:6h:67:GLU:O	2.04	0.57
3:Il:25:THR:HB	3:Il:43:THR:HG22	1.86	0.57
3:ml:68:LEU:HD21	3:ml:71:TYR:HB3	1.87	0.57
3:Ol:68:LEU:HD21	3:Ol:71:TYR:HB3	1.87	0.57
1:E:238:ARG:HH22	1:E:309:LYS:HG3	1.68	0.57
1:N:311:LEU:HD23	1:N:311:LEU:C	2.30	0.57
1:P:654:PRO:HD2	1:R:675:THR:HG21	1.85	0.57
1:U:675:THR:HG21	1:Y:654:PRO:HD2	1.85	0.57
1:a:675:THR:HG21	1:e:654:PRO:HD2	1.85	0.57
1:n:311:LEU:HD23	1:n:311:LEU:C	2.30	0.57
1:2:238:ARG:HG2	1:2:238:ARG:NH2	2.12	0.57
1:3:311:LEU:HD23	1:3:311:LEU:C	2.30	0.57
1:7:311:LEU:HD23	1:7:311:LEU:C	2.30	0.57
2:Gh:31:VAL:CG1	2:Gh:106:VAL:HG11	2.34	0.57
2:ch:58:ILE:HG23	2:ch:67:GLU:O	2.04	0.57
2:hh:31:VAL:O	2:hh:151:VAL:HG13	2.05	0.57
2:nh:31:VAL:O	2:nh:151:VAL:HG13	2.05	0.57
2:oh:31:VAL:CG1	2:oh:106:VAL:HG11	2.34	0.57
2:sh:58:ILE:HG23	2:sh:67:GLU:O	2.04	0.57
2:zh:31:VAL:O	2:zh:151:VAL:HG13	2.05	0.57
2:0h:58:ILE:HG23	2:0h:67:GLU:O	2.04	0.57
2:3h:58:ILE:HG23	2:3h:67:GLU:O	2.04	0.57
3:MI:25:THR:HB	3:MI:43:THR:HG22	1.86	0.57
3:el:25:THR:HB	3:el:43:THR:HG22	1.86	0.57
3:ol:68:LEU:HD21	3:ol:71:TYR:HB3	1.87	0.57
1:F:311:LEU:HD23	1:F:311:LEU:C	2.30	0.57
1:f:311:LEU:HD23	1:f:311:LEU:C	2.30	0.57
1:j:311:LEU:HD23	1:j:311:LEU:C	2.30	0.57
1:o:654:PRO:HD2	1:u:675:THR:HG21	1.86	0.57
1:r:311:LEU:HD23	1:r:311:LEU:C	2.30	0.57
1:u:238:ARG:HG2	1:u:238:ARG:NH2	2.12	0.57
1:y:238:ARG:HH22	1:y:309:LYS:HG3	1.68	0.57
1:0:238:ARG:HH21	1:0:238:ARG:CG	2.14	0.57
1:1:311:LEU:HD23	1:1:311:LEU:C	2.30	0.57
2:Eh:31:VAL:CG1	2:Eh:106:VAL:HG11	2.34	0.57
2:Gh:31:VAL:O	2:Gh:151:VAL:HG13	2.05	0.57
2:Hh:31:VAL:CG1	2:Hh:106:VAL:HG11	2.34	0.57
2:Lh:31:VAL:CG1	2:Lh:106:VAL:HG11	2.34	0.57
2:Ph:31:VAL:CG1	2:Ph:106:VAL:HG11	2.34	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Sh:31:VAL:CG1	2:Sh:106:VAL:HG11	2.34	0.57
2:Uh:31:VAL:CG1	2:Uh:106:VAL:HG11	2.34	0.57
2:Yh:31:VAL:O	2:Yh:151:VAL:HG13	2.05	0.57
2:dh:31:VAL:CG1	2:dh:106:VAL:HG11	2.34	0.57
2:dh:31:VAL:O	2:dh:151:VAL:HG13	2.05	0.57
2:4h:31:VAL:CG1	2:4h:106:VAL:HG11	2.34	0.57
2:7h:58:ILE:HG23	2:7h:67:GLU:O	2.04	0.57
3:Ql:25:THR:HB	3:Ql:43:THR:HG22	1.86	0.57
3:Tl:25:THR:HB	3:Tl:43:THR:HG22	1.86	0.57
3:Wl:25:THR:HB	3:Wl:43:THR:HG22	1.86	0.57
3:al:68:LEU:HD21	3:al:71:TYR:HB3	1.87	0.57
3:vl:68:LEU:HD21	3:vl:71:TYR:HB3	1.87	0.57
3:xl:68:LEU:HD21	3:xl:71:TYR:HB3	1.87	0.57
3:5l:25:THR:HB	3:5l:43:THR:HG22	1.86	0.57
3:7l:68:LEU:HD21	3:7l:71:TYR:HB3	1.87	0.57
1:H:654:PRO:HD2	1:h:675:THR:HG21	1.85	0.57
1:J:675:THR:HG21	1:f:654:PRO:HD2	1.85	0.57
1:P:238:ARG:HH21	1:P:238:ARG:CG	2.14	0.57
1:P:238:ARG:HH22	1:P:309:LYS:HG3	1.68	0.57
1:T:314:LYS:HG3	1:T:410:THR:CG2	2.35	0.57
1:a:314:LYS:HG3	1:a:410:THR:CG2	2.35	0.57
1:g:314:LYS:HG3	1:g:410:THR:CG2	2.35	0.57
1:7:314:LYS:HG3	1:7:410:THR:CG2	2.35	0.57
2:Hh:31:VAL:O	2:Hh:151:VAL:HG13	2.05	0.57
2:hh:31:VAL:CG1	2:hh:106:VAL:HG11	2.34	0.57
2:vh:31:VAL:CG1	2:vh:106:VAL:HG11	2.34	0.57
2:1h:31:VAL:O	2:1h:151:VAL:HG13	2.05	0.57
2:4h:31:VAL:O	2:4h:151:VAL:HG13	2.05	0.57
3:Cl:68:LEU:HD21	3:Cl:71:TYR:HB3	1.87	0.57
3:ml:31:SER:CA	3:ml:128:THR:O	2.40	0.57
1:C:675:THR:HG21	1:G:654:PRO:HD2	1.85	0.56
1:E:238:ARG:HH21	1:E:238:ARG:CG	2.14	0.56
1:I:311:LEU:HD23	1:I:311:LEU:C	2.30	0.56
1:T:311:LEU:HD23	1:T:311:LEU:C	2.30	0.56
1:W:311:LEU:HD23	1:W:311:LEU:C	2.30	0.56
1:e:311:LEU:HD23	1:e:311:LEU:C	2.30	0.56
1:i:311:LEU:HD23	1:i:311:LEU:C	2.30	0.56
1:t:311:LEU:HD23	1:t:311:LEU:C	2.30	0.56
1:z:238:ARG:HH22	1:z:309:LYS:HG3	1.68	0.56
1:5:311:LEU:C	1:5:311:LEU:HD23	2.30	0.56
2:Jh:31:VAL:O	2:Jh:151:VAL:HG13	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Oh:31:VAL:O	2:Oh:151:VAL:HG13	2.05	0.56
2:Wh:31:VAL:O	2:Wh:151:VAL:HG13	2.05	0.56
2:Xh:31:VAL:CG1	2:Xh:106:VAL:HG11	2.34	0.56
2:Yh:31:VAL:CG1	2:Yh:106:VAL:HG11	2.34	0.56
2:kh:58:ILE:HG23	2:kh:67:GLU:O	2.04	0.56
2:lh:58:ILE:HG23	2:lh:67:GLU:O	2.04	0.56
2:7h:31:VAL:O	2:7h:151:VAL:HG13	2.05	0.56
3:Dl:31:SER:CA	3:Dl:128:THR:O	2.40	0.56
3:Pl:25:THR:HB	3:Pl:43:THR:HG22	1.86	0.56
3:gl:25:THR:HB	3:gl:43:THR:HG22	1.86	0.56
1:I:314:LYS:HG3	1:I:410:THR:CG2	2.35	0.56
1:J:242:THR:CG2	1:J:681:GLU:HG3	2.36	0.56
1:V:242:THR:CG2	1:V:681:GLU:HG3	2.36	0.56
1:W:314:LYS:HG3	1:W:410:THR:CG2	2.35	0.56
1:X:242:THR:CG2	1:X:681:GLU:HG3	2.36	0.56
1:Y:311:LEU:HD23	1:Y:311:LEU:C	2.30	0.56
1:c:242:THR:CG2	1:c:681:GLU:HG3	2.35	0.56
1:d:242:THR:CG2	1:d:681:GLU:HG3	2.36	0.56
1:g:311:LEU:HD23	1:g:311:LEU:C	2.30	0.56
1:x:242:THR:CG2	1:x:681:GLU:HG3	2.36	0.56
1:3:242:THR:CG2	1:3:681:GLU:HG3	2.35	0.56
2:Ih:31:VAL:O	2:Ih:151:VAL:HG13	2.05	0.56
2:Xh:31:VAL:O	2:Xh:151:VAL:HG13	2.05	0.56
2:Zh:31:VAL:O	2:Zh:151:VAL:HG13	2.05	0.56
2:ah:31:VAL:O	2:ah:151:VAL:HG13	2.05	0.56
3:Bl:31:SER:CA	3:Bl:128:THR:O	2.40	0.56
3:El:25:THR:HB	3:El:43:THR:HG22	1.86	0.56
3:6l:25:THR:HB	3:6l:43:THR:HG22	1.86	0.56
3:7l:31:SER:CA	3:7l:128:THR:O	2.40	0.56
1:B:238:ARG:HH21	1:B:238:ARG:CG	2.14	0.56
1:B:238:ARG:HH22	1:B:309:LYS:HG3	1.68	0.56
1:C:242:THR:CG2	1:C:681:GLU:HG3	2.36	0.56
1:C:311:LEU:HD23	1:C:311:LEU:C	2.30	0.56
1:E:242:THR:CG2	1:E:681:GLU:HG3	2.36	0.56
1:I:242:THR:CG2	1:I:681:GLU:HG3	2.36	0.56
1:K:311:LEU:HD23	1:K:311:LEU:C	2.30	0.56
1:O:654:PRO:HD2	1:x:675:THR:HG21	1.85	0.56
1:P:242:THR:CG2	1:P:681:GLU:HG3	2.36	0.56
1:U:242:THR:CG2	1:U:681:GLU:HG3	2.36	0.56
1:W:242:THR:CG2	1:W:681:GLU:HG3	2.36	0.56
1:f:242:THR:CG2	1:f:681:GLU:HG3	2.36	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:h:242:THR:CG2	1:h:681:GLU:HG3	2.36	0.56
1:j:242:THR:CG2	1:j:681:GLU:HG3	2.36	0.56
1:k:314:LYS:HG3	1:k:410:THR:CG2	2.35	0.56
1:l:314:LYS:HG3	1:l:410:THR:CG2	2.35	0.56
1:m:311:LEU:HD23	1:m:311:LEU:C	2.30	0.56
1:r:242:THR:CG2	1:r:681:GLU:HG3	2.36	0.56
1:s:314:LYS:HG3	1:s:410:THR:CG2	2.35	0.56
1:w:238:ARG:HH21	1:w:238:ARG:CG	2.14	0.56
1:x:311:LEU:HD23	1:x:311:LEU:C	2.30	0.56
1:z:238:ARG:HH21	1:z:238:ARG:CG	2.14	0.56
1:0:311:LEU:C	1:0:311:LEU:HD23	2.30	0.56
1:2:311:LEU:HD23	1:2:311:LEU:C	2.30	0.56
1:2:314:LYS:HG3	1:2:410:THR:CG2	2.35	0.56
1:4:242:THR:CG2	1:4:681:GLU:HG3	2.36	0.56
1:4:311:LEU:HD23	1:4:311:LEU:C	2.30	0.56
2:Jh:31:VAL:CG1	2:Jh:106:VAL:HG11	2.34	0.56
2:Kh:31:VAL:CG1	2:Kh:106:VAL:HG11	2.34	0.56
2:Rh:31:VAL:CG1	2:Rh:106:VAL:HG11	2.34	0.56
2:lh:31:VAL:CG1	2:lh:106:VAL:HG11	2.34	0.56
2:nh:58:ILE:HG23	2:nh:67:GLU:O	2.04	0.56
2:2h:31:VAL:CG1	2:2h:106:VAL:HG11	2.34	0.56
2:6h:31:VAL:O	2:6h:151:VAL:HG13	2.05	0.56
3:Al:68:LEU:HD21	3:Al:71:TYR:HB3	1.87	0.56
3:El:68:LEU:HD21	3:El:71:TYR:HB3	1.87	0.56
3:Gl:25:THR:HB	3:Gl:43:THR:HG22	1.86	0.56
3:Ll:31:SER:CA	3:Ll:128:THR:O	2.40	0.56
3:Ll:68:LEU:HD21	3:Ll:71:TYR:HB3	1.87	0.56
3:Pl:68:LEU:HD21	3:Pl:71:TYR:HB3	1.87	0.56
3:Sl:68:LEU:HD21	3:Sl:71:TYR:HB3	1.87	0.56
3:Tl:68:LEU:HD21	3:Tl:71:TYR:HB3	1.87	0.56
3:Zl:25:THR:HB	3:Zl:43:THR:HG22	1.86	0.56
3:gl:68:LEU:HD21	3:gl:71:TYR:HB3	1.87	0.56
1:D:654:PRO:HD2	1:F:675:THR:HG21	1.85	0.56
1:G:242:THR:CG2	1:G:681:GLU:HG3	2.36	0.56
1:O:242:THR:CG2	1:O:681:GLU:HG3	2.36	0.56
1:R:311:LEU:HD23	1:R:311:LEU:C	2.30	0.56
1:d:311:LEU:HD23	1:d:311:LEU:C	2.30	0.56
1:l:311:LEU:HD23	1:l:311:LEU:C	2.30	0.56
1:p:311:LEU:C	1:p:311:LEU:HD23	2.30	0.56
1:1:238:ARG:HH21	1:1:238:ARG:CG	2.14	0.56
2:Lh:31:VAL:O	2:Lh:151:VAL:HG13	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Bl:25:THR:HB	3:Bl:43:THR:HG22	1.86	0.56
3:Bl:68:LEU:HD21	3:Bl:71:TYR:HB3	1.87	0.56
3:Ol:25:THR:HB	3:Ol:43:THR:HG22	1.86	0.56
3:Zl:68:LEU:HD21	3:Zl:71:TYR:HB3	1.87	0.56
3:pl:25:THR:HB	3:pl:43:THR:HG22	1.86	0.56
3:pl:68:LEU:HD21	3:pl:71:TYR:HB3	1.87	0.56
3:wl:25:THR:HB	3:wl:43:THR:HG22	1.86	0.56
3:wl:68:LEU:HD21	3:wl:71:TYR:HB3	1.87	0.56
3:yl:31:SER:CA	3:yl:128:THR:O	2.40	0.56
1:H:311:LEU:C	1:H:311:LEU:HD23	2.30	0.56
1:N:675:THR:HG21	1:y:654:PRO:HD2	1.85	0.56
1:U:238:ARG:HH21	1:U:238:ARG:CG	2.14	0.56
1:Z:242:THR:CG2	1:Z:681:GLU:HG3	2.35	0.56
1:k:311:LEU:C	1:k:311:LEU:HD23	2.30	0.56
1:u:242:THR:CG2	1:u:681:GLU:HG3	2.36	0.56
1:u:311:LEU:HD23	1:u:311:LEU:C	2.30	0.56
1:w:311:LEU:HD23	1:w:311:LEU:C	2.30	0.56
1:6:242:THR:CG2	1:6:681:GLU:HG3	2.35	0.56
2:Sh:31:VAL:O	2:Sh:151:VAL:HG13	2.05	0.56
2:Vh:31:VAL:O	2:Vh:151:VAL:HG13	2.05	0.56
2:fh:31:VAL:O	2:fh:151:VAL:HG13	2.05	0.56
3:bl:68:LEU:HD21	3:bl:71:TYR:HB3	1.87	0.56
3:sl:25:THR:HB	3:sl:43:THR:HG22	1.86	0.56
3:xl:25:THR:HB	3:xl:43:THR:HG22	1.86	0.56
3:zl:25:THR:HB	3:zl:43:THR:HG22	1.86	0.56
3:zl:68:LEU:HD21	3:zl:71:TYR:HB3	1.87	0.56
3:6l:68:LEU:HD21	3:6l:71:TYR:HB3	1.87	0.56
1:D:314:LYS:HG3	1:D:410:THR:CG2	2.35	0.56
1:E:311:LEU:C	1:E:311:LEU:HD23	2.30	0.56
1:N:242:THR:CG2	1:N:681:GLU:HG3	2.35	0.56
1:P:311:LEU:C	1:P:311:LEU:HD23	2.30	0.56
1:e:242:THR:CG2	1:e:681:GLU:HG3	2.36	0.56
1:n:238:ARG:HH21	1:n:238:ARG:CG	2.14	0.56
1:n:242:THR:CG2	1:n:681:GLU:HG3	2.36	0.56
1:p:238:ARG:HH21	1:p:238:ARG:CG	2.14	0.56
1:q:311:LEU:HD23	1:q:311:LEU:C	2.30	0.56
1:s:242:THR:CG2	1:s:681:GLU:HG3	2.36	0.56
1:s:311:LEU:C	1:s:311:LEU:HD23	2.30	0.56
3:Cl:25:THR:HB	3:Cl:43:THR:HG22	1.86	0.56
3:rl:25:THR:HB	3:rl:43:THR:HG22	1.86	0.56
3:tl:31:SER:CA	3:tl:128:THR:O	2.40	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:4l:31:SER:CA	3:4l:128:THR:O	2.40	0.56
1:L:311:LEU:HD23	1:L:311:LEU:C	2.30	0.56
1:S:311:LEU:C	1:S:311:LEU:HD23	2.30	0.56
1:k:242:THR:CG2	1:k:681:GLU:HG3	2.36	0.56
1:m:238:ARG:HH22	1:m:309:LYS:HG3	1.68	0.56
1:m:242:THR:CG2	1:m:681:GLU:HG3	2.36	0.56
1:q:242:THR:CG2	1:q:681:GLU:HG3	2.36	0.56
1:u:324:THR:OG1	2:uh:130:THR:CG2	2.54	0.56
1:y:314:LYS:HG3	1:y:410:THR:CG2	2.35	0.56
1:1:242:THR:CG2	1:1:681:GLU:HG3	2.36	0.56
1:5:242:THR:CG2	1:5:681:GLU:HG3	2.36	0.56
2:Dh:31:VAL:O	2:Dh:151:VAL:HG13	2.05	0.56
2:yh:31:VAL:O	2:yh:151:VAL:HG13	2.05	0.56
3:Dl:25:THR:HB	3:Dl:43:THR:HG22	1.86	0.56
3:Ul:25:THR:HB	3:Ul:43:THR:HG22	1.86	0.56
3:Vl:25:THR:HB	3:Vl:43:THR:HG22	1.86	0.56
3:hl:25:THR:HB	3:hl:43:THR:HG22	1.86	0.56
3:hl:68:LEU:HD21	3:hl:71:TYR:HB3	1.87	0.56
3:jl:25:THR:HB	3:jl:43:THR:HG22	1.86	0.56
3:kl:25:THR:HB	3:kl:43:THR:HG22	1.86	0.56
3:yl:25:THR:HB	3:yl:43:THR:HG22	1.86	0.56
1:F:242:THR:CG2	1:F:681:GLU:HG3	2.36	0.56
1:h:238:ARG:HH21	1:h:238:ARG:CG	2.14	0.56
1:i:314:LYS:HG3	1:i:410:THR:CG2	2.35	0.56
1:p:314:LYS:HG3	1:p:410:THR:CG2	2.35	0.56
1:t:314:LYS:HG3	1:t:410:THR:CG2	2.35	0.56
1:z:311:LEU:HD23	1:z:311:LEU:C	2.29	0.56
1:0:242:THR:CG2	1:0:681:GLU:HG3	2.35	0.56
3:Kl:31:SER:CA	3:Kl:128:THR:O	2.40	0.56
3:Vl:68:LEU:HD21	3:Vl:71:TYR:HB3	1.87	0.56
3:Yl:83:ARG:HG2	3:Yl:98:SER:HB2	1.88	0.56
3:dl:25:THR:HB	3:dl:43:THR:HG22	1.86	0.56
3:fl:25:THR:HB	3:fl:43:THR:HG22	1.86	0.56
3:fl:68:LEU:HD21	3:fl:71:TYR:HB3	1.87	0.56
3:il:68:LEU:HD21	3:il:71:TYR:HB3	1.87	0.56
3:ll:83:ARG:HG2	3:ll:98:SER:HB2	1.88	0.56
3:sl:68:LEU:HD21	3:sl:71:TYR:HB3	1.87	0.56
3:tl:68:LEU:HD21	3:tl:71:TYR:HB3	1.87	0.56
3:4l:25:THR:HB	3:4l:43:THR:HG22	1.86	0.56
1:B:311:LEU:HD23	1:B:311:LEU:C	2.30	0.56
1:H:242:THR:CG2	1:H:681:GLU:HG3	2.36	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:242:THR:CG2	1:K:681:GLU:HG3	2.35	0.56
1:K:314:LYS:HG3	1:K:410:THR:CG2	2.35	0.56
1:a:242:THR:CG2	1:a:681:GLU:HG3	2.36	0.56
2:Nh:31:VAL:O	2:Nh:151:VAL:HG13	2.05	0.56
3:Hl:83:ARG:HG2	3:Hl:98:SER:HB2	1.88	0.56
3:Kl:25:THR:HB	3:Kl:43:THR:HG22	1.86	0.56
3:Nl:68:LEU:HD21	3:Nl:71:TYR:HB3	1.87	0.56
3:Ul:68:LEU:HD21	3:Ul:71:TYR:HB3	1.87	0.56
3:cl:25:THR:HB	3:cl:43:THR:HG22	1.86	0.56
3:Ol:25:THR:HB	3:Ol:43:THR:HG22	1.86	0.56
3:2l:68:LEU:HD21	3:2l:71:TYR:HB3	1.87	0.56
3:2l:83:ARG:HG2	3:2l:98:SER:HB2	1.88	0.56
1:d:314:LYS:HG3	1:d:410:THR:CG2	2.35	0.56
1:e:314:LYS:HG3	1:e:410:THR:CG2	2.35	0.56
1:w:242:THR:CG2	1:w:681:GLU:HG3	2.35	0.56
1:w:314:LYS:HG3	1:w:410:THR:CG2	2.35	0.56
1:x:324:THR:OG1	2:xh:130:THR:CG2	2.54	0.56
1:0:238:ARG:HH22	1:0:309:LYS:HG3	1.68	0.56
1:4:314:LYS:HG3	1:4:410:THR:CG2	2.35	0.56
1:5:314:LYS:HG3	1:5:410:THR:CG2	2.35	0.56
2:Fh:31:VAL:O	2:Fh:151:VAL:HG13	2.05	0.56
3:Bl:83:ARG:HG2	3:Bl:98:SER:HB2	1.88	0.56
3:Jl:68:LEU:HD21	3:Jl:71:TYR:HB3	1.87	0.56
3:dl:68:LEU:HD21	3:dl:71:TYR:HB3	1.87	0.56
3:ml:25:THR:HB	3:ml:43:THR:HG22	1.86	0.56
3:wl:83:ARG:HG2	3:wl:98:SER:HB2	1.88	0.56
3:4l:68:LEU:HD21	3:4l:71:TYR:HB3	1.87	0.56
1:D:242:THR:CG2	1:D:681:GLU:HG3	2.36	0.55
1:G:321:LYS:O	1:G:672:GLN:HB2	2.07	0.55
1:L:242:THR:CG2	1:L:681:GLU:HG3	2.35	0.55
1:M:242:THR:CG2	1:M:681:GLU:HG3	2.36	0.55
1:O:321:LYS:O	1:O:672:GLN:HB2	2.07	0.55
1:R:242:THR:CG2	1:R:681:GLU:HG3	2.36	0.55
1:R:314:LYS:HG3	1:R:410:THR:CG2	2.35	0.55
1:S:242:THR:CG2	1:S:681:GLU:HG3	2.35	0.55
1:Y:242:THR:CG2	1:Y:681:GLU:HG3	2.36	0.55
1:l:242:THR:CG2	1:l:681:GLU:HG3	2.36	0.55
1:p:242:THR:CG2	1:p:681:GLU:HG3	2.35	0.55
1:x:321:LYS:O	1:x:672:GLN:HB2	2.07	0.55
1:y:242:THR:CG2	1:y:681:GLU:HG3	2.36	0.55
1:2:242:THR:CG2	1:2:681:GLU:HG3	2.36	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:7:242:THR:CG2	1:7:681:GLU:HG3	2.36	0.55
2:ih:31:VAL:O	2:ih:151:VAL:HG13	2.05	0.55
3:Fl:68:LEU:HD21	3:Fl:71:TYR:HB3	1.87	0.55
3:Il:68:LEU:HD21	3:Il:71:TYR:HB3	1.87	0.55
3:Ml:83:ARG:HG2	3:Ml:98:SER:HB2	1.88	0.55
3:il:31:SER:CA	3:il:128:THR:O	2.40	0.55
3:kl:83:ARG:HG2	3:kl:98:SER:HB2	1.88	0.55
3:ll:68:LEU:HD21	3:ll:71:TYR:HB3	1.87	0.55
3:pl:83:ARG:HG2	3:pl:98:SER:HB2	1.88	0.55
3:ql:31:SER:CA	3:ql:128:THR:O	2.40	0.55
3:ul:31:SER:CA	3:ul:128:THR:O	2.40	0.55
3:zl:83:ARG:HG2	3:zl:98:SER:HB2	1.88	0.55
3:3l:25:THR:HB	3:3l:43:THR:HG22	1.86	0.55
1:C:321:LYS:O	1:C:672:GLN:HB2	2.07	0.55
1:L:314:LYS:HG3	1:L:410:THR:CG2	2.35	0.55
1:i:242:THR:CG2	1:i:681:GLU:HG3	2.36	0.55
1:0:314:LYS:HG3	1:0:410:THR:CG2	2.35	0.55
3:Ol:68:LEU:HD21	3:Ol:71:TYR:HB3	1.87	0.55
3:Rl:25:THR:HB	3:Rl:43:THR:HG22	1.86	0.55
3:Wl:68:LEU:HD21	3:Wl:71:TYR:HB3	1.87	0.55
3:Xl:68:LEU:HD21	3:Xl:71:TYR:HB3	1.87	0.55
3:kl:68:LEU:HD21	3:kl:71:TYR:HB3	1.87	0.55
3:nl:25:THR:HB	3:nl:43:THR:HG22	1.86	0.55
3:rl:83:ARG:HG2	3:rl:98:SER:HB2	1.88	0.55
3:sl:83:ARG:HG2	3:sl:98:SER:HB2	1.88	0.55
3:5l:68:LEU:HD21	3:5l:71:TYR:HB3	1.87	0.55
1:L:321:LYS:O	1:L:672:GLN:HB2	2.07	0.55
1:O:314:LYS:HG3	1:O:410:THR:CG2	2.35	0.55
1:Q:242:THR:CG2	1:Q:681:GLU:HG3	2.36	0.55
1:S:314:LYS:HG3	1:S:410:THR:CG2	2.35	0.55
1:S:321:LYS:O	1:S:672:GLN:HB2	2.07	0.55
1:g:242:THR:CG2	1:g:681:GLU:HG3	2.36	0.55
1:t:242:THR:CG2	1:t:681:GLU:HG3	2.36	0.55
2:th:31:VAL:O	2:th:151:VAL:HG13	2.05	0.55
3:Dl:68:LEU:HD21	3:Dl:71:TYR:HB3	1.87	0.55
3:Gl:68:LEU:HD21	3:Gl:71:TYR:HB3	1.87	0.55
3:Ql:83:ARG:HG2	3:Ql:98:SER:HB2	1.88	0.55
3:Rl:31:SER:CA	3:Rl:128:THR:O	2.40	0.55
3:Rl:68:LEU:HD21	3:Rl:71:TYR:HB3	1.87	0.55
3:el:68:LEU:HD21	3:el:71:TYR:HB3	1.87	0.55
3:el:83:ARG:HG2	3:el:98:SER:HB2	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:jl:83:ARG:HG2	3:jl:98:SER:HB2	1.88	0.55
3:ql:25:THR:HB	3:ql:43:THR:HG22	1.86	0.55
3:rl:68:LEU:HD21	3:rl:71:TYR:HB3	1.87	0.55
3:yl:68:LEU:HD21	3:yl:71:TYR:HB3	1.87	0.55
3:3l:83:ARG:HG2	3:3l:98:SER:HB2	1.88	0.55
3:5l:83:ARG:HG2	3:5l:98:SER:HB2	1.88	0.55
1:B:242:THR:CG2	1:B:681:GLU:HG3	2.36	0.55
1:U:321:LYS:O	1:U:672:GLN:HB2	2.07	0.55
1:d:321:LYS:O	1:d:672:GLN:HB2	2.07	0.55
1:j:321:LYS:O	1:j:672:GLN:HB2	2.07	0.55
1:m:314:LYS:HG3	1:m:410:THR:CG2	2.35	0.55
1:r:321:LYS:O	1:r:672:GLN:HB2	2.07	0.55
3:Tl:83:ARG:HG2	3:Tl:98:SER:HB2	1.89	0.55
3:Yl:68:LEU:HD21	3:Yl:71:TYR:HB3	1.87	0.55
3:cl:83:ARG:HG2	3:cl:98:SER:HB2	1.88	0.55
3:jl:68:LEU:HD21	3:jl:71:TYR:HB3	1.87	0.55
3:vl:25:THR:HB	3:vl:43:THR:HG22	1.86	0.55
3:1l:25:THR:HB	3:1l:43:THR:HG22	1.86	0.55
3:5l:31:SER:CA	3:5l:128:THR:O	2.40	0.55
1:A:242:THR:CG2	1:A:681:GLU:HG3	2.36	0.55
1:F:321:LYS:O	1:F:672:GLN:HB2	2.07	0.55
1:G:314:LYS:HG3	1:G:410:THR:CG2	2.35	0.55
1:N:321:LYS:O	1:N:672:GLN:HB2	2.07	0.55
1:Q:238:ARG:HH21	1:Q:238:ARG:CG	2.14	0.55
1:T:242:THR:CG2	1:T:681:GLU:HG3	2.36	0.55
1:b:242:THR:CG2	1:b:681:GLU:HG3	2.36	0.55
1:h:321:LYS:O	1:h:672:GLN:HB2	2.07	0.55
1:l:321:LYS:O	1:l:672:GLN:HB2	2.07	0.55
1:z:242:THR:CG2	1:z:681:GLU:HG3	2.36	0.55
1:4:321:LYS:O	1:4:672:GLN:HB2	2.07	0.55
3:Hl:68:LEU:HD21	3:Hl:71:TYR:HB3	1.87	0.55
3:Kl:68:LEU:HD21	3:Kl:71:TYR:HB3	1.87	0.55
3:el:31:SER:CA	3:el:128:THR:O	2.40	0.55
3:gl:83:ARG:HG2	3:gl:98:SER:HB2	1.88	0.55
3:ol:25:THR:HB	3:ol:43:THR:HG22	1.86	0.55
3:ul:25:THR:HB	3:ul:43:THR:HG22	1.86	0.55
1:R:238:ARG:HG2	1:R:238:ARG:NH2	2.12	0.55
1:m:321:LYS:O	1:m:672:GLN:HB2	2.07	0.55
1:o:242:THR:CG2	1:o:681:GLU:HG3	2.36	0.55
1:p:324:THR:OG1	2:ph:130:THR:CG2	2.55	0.55
1:v:242:THR:CG2	1:v:681:GLU:HG3	2.36	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:0:321:LYS:O	1:0:672:GLN:HB2	2.07	0.55
1:2:321:LYS:O	1:2:672:GLN:HB2	2.07	0.55
3:U1:83:ARG:HG2	3:U1:98:SER:HB2	1.88	0.55
3:hl:83:ARG:HG2	3:hl:98:SER:HB2	1.88	0.55
3:nl:68:LEU:HD21	3:nl:71:TYR:HB3	1.87	0.55
3:1l:68:LEU:HD21	3:1l:71:TYR:HB3	1.87	0.55
3:3l:68:LEU:HD21	3:3l:71:TYR:HB3	1.87	0.55
1:c:314:LYS:HG3	1:c:410:THR:CG2	2.35	0.55
1:p:321:LYS:O	1:p:672:GLN:HB2	2.07	0.55
1:q:321:LYS:O	1:q:672:GLN:HB2	2.07	0.55
1:u:321:LYS:O	1:u:672:GLN:HB2	2.07	0.55
1:w:321:LYS:O	1:w:672:GLN:HB2	2.07	0.55
1:w:324:THR:OG1	2:wh:130:THR:CG2	2.55	0.55
1:3:314:LYS:HG3	1:3:410:THR:CG2	2.35	0.55
1:7:321:LYS:O	1:7:672:GLN:HB2	2.07	0.55
3:al:83:ARG:HG2	3:al:98:SER:HB2	1.88	0.55
3:cl:68:LEU:HD21	3:cl:71:TYR:HB3	1.87	0.55
3:il:83:ARG:HG2	3:il:98:SER:HB2	1.88	0.55
3:ol:83:ARG:HG2	3:ol:98:SER:HB2	1.88	0.55
3:vl:83:ARG:HG2	3:vl:98:SER:HB2	1.88	0.55
1:C:324:THR:OG1	2:Ch:130:THR:CG2	2.55	0.55
1:a:321:LYS:O	1:a:672:GLN:HB2	2.07	0.55
1:6:321:LYS:O	1:6:672:GLN:HB2	2.07	0.55
2:ih:39:LEU:HD12	2:ih:39:LEU:N	2.22	0.55
2:th:39:LEU:HD12	2:th:39:LEU:N	2.22	0.55
2:vh:39:LEU:HD12	2:vh:39:LEU:N	2.22	0.55
3:Ml:68:LEU:HD21	3:Ml:71:TYR:HB3	1.87	0.55
3:Pl:83:ARG:HG2	3:Pl:98:SER:HB2	1.88	0.55
3:Vl:83:ARG:HG2	3:Vl:98:SER:HB2	1.88	0.55
3:dl:83:ARG:HG2	3:dl:98:SER:HB2	1.88	0.55
3:fl:83:ARG:HG2	3:fl:98:SER:HB2	1.88	0.55
3:tl:83:ARG:HG2	3:tl:98:SER:HB2	1.88	0.55
3:7l:83:ARG:HG2	3:7l:98:SER:HB2	1.88	0.55
1:E:321:LYS:O	1:E:672:GLN:HB2	2.07	0.55
1:J:321:LYS:O	1:J:672:GLN:HB2	2.07	0.55
1:M:238:ARG:HH21	1:M:238:ARG:CG	2.14	0.55
1:Z:321:LYS:O	1:Z:672:GLN:HB2	2.07	0.55
1:a:324:THR:OG1	2:ah:130:THR:CG2	2.55	0.55
1:d:324:THR:OG1	2:dh:130:THR:CG2	2.55	0.55
1:e:321:LYS:O	1:e:672:GLN:HB2	2.07	0.55
1:e:324:THR:OG1	2:eh:130:THR:CG2	2.55	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:k:321:LYS:O	1:k:672:GLN:HB2	2.07	0.55
1:s:321:LYS:O	1:s:672:GLN:HB2	2.07	0.55
1:z:321:LYS:O	1:z:672:GLN:HB2	2.07	0.55
1:4:324:THR:OG1	2:4h:130:THR:CG2	2.55	0.55
1:5:321:LYS:O	1:5:672:GLN:HB2	2.07	0.55
1:7:324:THR:OG1	2:7h:130:THR:CG2	2.55	0.55
2:Ih:39:LEU:HD12	2:Ih:39:LEU:N	2.22	0.55
2:Vh:39:LEU:HD12	2:Vh:39:LEU:N	2.22	0.55
2:Wh:39:LEU:N	2:Wh:39:LEU:HD12	2.22	0.55
2:eh:39:LEU:N	2:eh:39:LEU:HD12	2.22	0.55
2:oh:39:LEU:HD12	2:oh:39:LEU:N	2.22	0.55
2:5h:39:LEU:HD12	2:5h:39:LEU:N	2.22	0.55
3:El:83:ARG:HG2	3:El:98:SER:HB2	1.88	0.55
3:ml:83:ARG:HG2	3:ml:98:SER:HB2	1.88	0.55
3:nl:83:ARG:HG2	3:nl:98:SER:HB2	1.89	0.55
3:1l:83:ARG:HG2	3:1l:98:SER:HB2	1.89	0.55
3:4l:83:ARG:HG2	3:4l:98:SER:HB2	1.88	0.55
1:I:324:THR:OG1	2:Ih:130:THR:CG2	2.55	0.55
1:P:321:LYS:O	1:P:672:GLN:HB2	2.07	0.55
1:U:324:THR:OG1	2:Uh:130:THR:CG2	2.55	0.55
1:W:324:THR:OG1	2:Wh:130:THR:CG2	2.55	0.55
1:X:321:LYS:O	1:X:672:GLN:HB2	2.07	0.55
1:b:321:LYS:O	1:b:672:GLN:HB2	2.07	0.55
1:h:324:THR:OG1	2:hh:130:THR:CG2	2.55	0.55
1:k:324:THR:OG1	2:kh:130:THR:CG2	2.55	0.55
1:o:321:LYS:O	1:o:672:GLN:HB2	2.07	0.55
1:s:324:THR:OG1	2:sh:130:THR:CG2	2.55	0.55
1:v:321:LYS:O	1:v:672:GLN:HB2	2.07	0.55
1:5:324:THR:OG1	2:5h:130:THR:CG2	2.55	0.55
2:Bh:39:LEU:N	2:Bh:39:LEU:HD12	2.22	0.55
2:Ch:39:LEU:HD12	2:Ch:39:LEU:N	2.22	0.55
2:fh:39:LEU:HD12	2:fh:39:LEU:N	2.22	0.55
2:xh:39:LEU:N	2:xh:39:LEU:HD12	2.22	0.55
3:Fl:83:ARG:HG2	3:Fl:98:SER:HB2	1.88	0.55
3:Ll:83:ARG:HG2	3:Ll:98:SER:HB2	1.88	0.55
3:Ql:68:LEU:HD21	3:Ql:71:TYR:HB3	1.87	0.55
3:Wl:83:ARG:HG2	3:Wl:98:SER:HB2	1.88	0.55
3:Ol:83:ARG:HG2	3:Ol:98:SER:HB2	1.88	0.55
1:A:321:LYS:O	1:A:672:GLN:HB2	2.07	0.54
1:B:321:LYS:O	1:B:672:GLN:HB2	2.07	0.54
1:E:314:LYS:HG3	1:E:410:THR:CG2	2.35	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:321:LYS:O	1:I:672:GLN:HB2	2.07	0.54
1:K:238:ARG:HG2	1:K:238:ARG:NH2	2.12	0.54
1:P:324:THR:OG1	2:Ph:130:THR:CG2	2.55	0.54
1:Q:321:LYS:O	1:Q:672:GLN:HB2	2.07	0.54
1:U:314:LYS:HG3	1:U:410:THR:CG2	2.35	0.54
1:V:321:LYS:O	1:V:672:GLN:HB2	2.07	0.54
1:W:238:ARG:HH21	1:W:238:ARG:CG	2.14	0.54
1:l:324:THR:OG1	2:lh:130:THR:CG2	2.56	0.54
1:q:324:THR:OG1	2:qh:130:THR:CG2	2.55	0.54
1:z:314:LYS:HG3	1:z:410:THR:CG2	2.35	0.54
1:2:324:THR:OG1	2:2h:130:THR:CG2	2.56	0.54
2:Ah:39:LEU:HD12	2:Ah:39:LEU:N	2.22	0.54
2:Fh:39:LEU:HD12	2:Fh:39:LEU:N	2.22	0.54
2:Jh:39:LEU:N	2:Jh:39:LEU:HD12	2.22	0.54
2:Nh:39:LEU:HD12	2:Nh:39:LEU:N	2.22	0.54
2:Uh:39:LEU:N	2:Uh:39:LEU:HD12	2.22	0.54
2:Xh:39:LEU:HD12	2:Xh:39:LEU:N	2.22	0.54
2:Zh:39:LEU:N	2:Zh:39:LEU:HD12	2.22	0.54
2:bh:39:LEU:N	2:bh:39:LEU:HD12	2.22	0.54
2:hh:39:LEU:N	2:hh:39:LEU:HD12	2.22	0.54
2:zh:39:LEU:N	2:zh:39:LEU:HD12	2.22	0.54
2:6h:39:LEU:HD12	2:6h:39:LEU:N	2.22	0.54
3:Gl:83:ARG:HG2	3:Gl:98:SER:HB2	1.88	0.54
3:Il:83:ARG:HG2	3:Il:98:SER:HB2	1.88	0.54
3:Nl:83:ARG:HG2	3:Nl:98:SER:HB2	1.88	0.54
3:Sl:83:ARG:HG2	3:Sl:98:SER:HB2	1.88	0.54
1:B:314:LYS:HG3	1:B:410:THR:CG2	2.35	0.54
1:E:324:THR:OG1	2:Eh:130:THR:CG2	2.55	0.54
1:K:321:LYS:O	1:K:672:GLN:HB2	2.07	0.54
1:M:321:LYS:O	1:M:672:GLN:HB2	2.07	0.54
1:W:321:LYS:O	1:W:672:GLN:HB2	2.07	0.54
1:n:321:LYS:O	1:n:672:GLN:HB2	2.07	0.54
2:Hh:39:LEU:HD12	2:Hh:39:LEU:N	2.22	0.54
2:wh:39:LEU:HD12	2:wh:39:LEU:N	2.22	0.54
2:1h:39:LEU:HD12	2:1h:39:LEU:N	2.22	0.54
2:4h:39:LEU:N	2:4h:39:LEU:HD12	2.22	0.54
3:Ol:83:ARG:HG2	3:Ol:98:SER:HB2	1.88	0.54
1:P:314:LYS:HG3	1:P:410:THR:CG2	2.35	0.54
1:Y:314:LYS:HG3	1:Y:410:THR:CG2	2.35	0.54
1:Y:321:LYS:O	1:Y:672:GLN:HB2	2.07	0.54
1:1:321:LYS:O	1:1:672:GLN:HB2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3:321:LYS:O	1:3:672:GLN:HB2	2.07	0.54
1:6:324:THR:OG1	2:6h:130:THR:CG2	2.55	0.54
2:Gh:39:LEU:N	2:Gh:39:LEU:HD12	2.22	0.54
2:Oh:39:LEU:N	2:Oh:39:LEU:HD12	2.22	0.54
2:Th:39:LEU:HD12	2:Th:39:LEU:N	2.22	0.54
2:Yh:39:LEU:HD12	2:Yh:39:LEU:N	2.22	0.54
2:dh:39:LEU:HD12	2:dh:39:LEU:N	2.22	0.54
2:dh:106:VAL:CG2	2:dh:110:ASP:CG	2.81	0.54
2:gh:39:LEU:HD12	2:gh:39:LEU:N	2.22	0.54
2:nh:39:LEU:HD12	2:nh:39:LEU:N	2.22	0.54
2:ph:39:LEU:N	2:ph:39:LEU:HD12	2.22	0.54
2:4h:106:VAL:CG2	2:4h:110:ASP:CG	2.81	0.54
3:Ul:31:SER:CA	3:Ul:128:THR:O	2.40	0.54
3:bl:83:ARG:HG2	3:bl:98:SER:HB2	1.88	0.54
1:H:314:LYS:HG3	1:H:410:THR:CG2	2.35	0.54
1:Q:324:THR:OG1	2:Qh:130:THR:CG2	2.55	0.54
1:R:321:LYS:O	1:R:672:GLN:HB2	2.07	0.54
1:Z:324:THR:OG1	2:Zh:130:THR:CG2	2.55	0.54
1:c:321:LYS:O	1:c:672:GLN:HB2	2.07	0.54
1:f:321:LYS:O	1:f:672:GLN:HB2	2.07	0.54
1:h:314:LYS:HG3	1:h:410:THR:CG2	2.35	0.54
1:y:321:LYS:O	1:y:672:GLN:HB2	2.07	0.54
3:ql:83:ARG:HG2	3:ql:98:SER:HB2	1.88	0.54
1:D:321:LYS:O	1:D:672:GLN:HB2	2.07	0.54
1:H:321:LYS:O	1:H:672:GLN:HB2	2.07	0.54
1:I:238:ARG:HH21	1:I:238:ARG:CG	2.14	0.54
1:M:324:THR:OG1	2:Mh:130:THR:CG2	2.55	0.54
1:Q:314:LYS:HG3	1:Q:410:THR:CG2	2.35	0.54
2:Mh:39:LEU:N	2:Mh:39:LEU:HD12	2.22	0.54
3:Dl:83:ARG:HG2	3:Dl:98:SER:HB2	1.88	0.54
3:Zl:83:ARG:HG2	3:Zl:98:SER:HB2	1.88	0.54
3:ql:68:LEU:HD21	3:ql:71:TYR:HB3	1.87	0.54
3:ul:83:ARG:HG2	3:ul:98:SER:HB2	1.88	0.54
3:xl:83:ARG:HG2	3:xl:98:SER:HB2	1.88	0.54
3:yl:83:ARG:HG2	3:yl:98:SER:HB2	1.89	0.54
1:M:314:LYS:HG3	1:M:410:THR:CG2	2.35	0.54
1:b:314:LYS:HG3	1:b:410:THR:CG2	2.35	0.54
2:Qh:39:LEU:HD12	2:Qh:39:LEU:N	2.22	0.54
2:ah:39:LEU:HD12	2:ah:39:LEU:N	2.22	0.54
2:3h:39:LEU:HD12	2:3h:39:LEU:N	2.22	0.54
3:Al:83:ARG:HG2	3:Al:98:SER:HB2	1.88	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Cl:83:ARG:HG2	3:Cl:98:SER:HB2	1.88	0.54
3:Kl:83:ARG:HG2	3:Kl:98:SER:HB2	1.88	0.54
3:ul:68:LEU:HD21	3:ul:71:TYR:HB3	1.87	0.54
1:D:548:GLU:OE1	1:D:548:GLU:HA	2.08	0.54
1:E:548:GLU:OE1	1:E:548:GLU:HA	2.08	0.54
1:F:324:THR:OG1	2:Fh:130:THR:CG2	2.55	0.54
1:K:548:GLU:OE1	1:K:548:GLU:HA	2.08	0.54
1:M:548:GLU:OE1	1:M:548:GLU:HA	2.08	0.54
1:N:324:THR:OG1	2:Nh:130:THR:CG2	2.55	0.54
1:Q:548:GLU:HA	1:Q:548:GLU:OE1	2.08	0.54
1:R:548:GLU:OE1	1:R:548:GLU:HA	2.08	0.54
1:V:324:THR:OG1	2:Vh:130:THR:CG2	2.55	0.54
1:c:548:GLU:OE1	1:c:548:GLU:HA	2.08	0.54
1:i:321:LYS:O	1:i:672:GLN:HB2	2.07	0.54
1:k:548:GLU:OE1	1:k:548:GLU:HA	2.08	0.54
1:l:548:GLU:HA	1:l:548:GLU:OE1	2.08	0.54
1:n:548:GLU:OE1	1:n:548:GLU:HA	2.08	0.54
1:s:548:GLU:OE1	1:s:548:GLU:HA	2.08	0.54
1:1:548:GLU:OE1	1:1:548:GLU:HA	2.08	0.54
1:2:548:GLU:OE1	1:2:548:GLU:HA	2.08	0.54
1:3:548:GLU:OE1	1:3:548:GLU:HA	2.08	0.54
2:ch:39:LEU:HD12	2:ch:39:LEU:N	2.22	0.54
2:7h:39:LEU:N	2:7h:39:LEU:HD12	2.22	0.54
3:Jl:83:ARG:HG2	3:Jl:98:SER:HB2	1.89	0.54
3:Ol:31:SER:CA	3:Ol:128:THR:O	2.40	0.54
3:6l:83:ARG:HG2	3:6l:98:SER:HB2	1.88	0.54
1:A:314:LYS:HG3	1:A:410:THR:CG2	2.35	0.54
1:T:321:LYS:O	1:T:672:GLN:HB2	2.07	0.54
1:r:324:THR:OG1	2:rh:130:THR:CG2	2.55	0.54
1:t:321:LYS:O	1:t:672:GLN:HB2	2.07	0.54
1:y:548:GLU:OE1	1:y:548:GLU:HA	2.08	0.54
2:Vh:106:VAL:CG2	2:Vh:110:ASP:CG	2.81	0.54
2:fh:106:VAL:CG2	2:fh:110:ASP:CG	2.81	0.54
2:kh:39:LEU:HD12	2:kh:39:LEU:N	2.22	0.54
3:Rl:83:ARG:HG2	3:Rl:98:SER:HB2	1.88	0.54
3:Xl:83:ARG:HG2	3:Xl:98:SER:HB2	1.89	0.54
3:Zl:31:SER:CA	3:Zl:128:THR:O	2.40	0.54
3:cl:31:SER:CA	3:cl:128:THR:O	2.40	0.54
3:hl:31:SER:CA	3:hl:128:THR:O	2.40	0.54
1:B:548:GLU:OE1	1:B:548:GLU:HA	2.08	0.54
1:C:548:GLU:OE1	1:C:548:GLU:HA	2.08	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:324:THR:OG1	2:Dh:130:THR:CG2	2.55	0.54
1:P:548:GLU:OE1	1:P:548:GLU:HA	2.08	0.54
1:f:324:THR:OG1	2:fh:130:THR:CG2	2.55	0.54
1:g:321:LYS:O	1:g:672:GLN:HB2	2.07	0.54
1:j:324:THR:OG1	2:jh:130:THR:CG2	2.55	0.54
1:j:548:GLU:OE1	1:j:548:GLU:HA	2.08	0.54
1:q:548:GLU:OE1	1:q:548:GLU:HA	2.08	0.54
1:r:548:GLU:OE1	1:r:548:GLU:HA	2.08	0.54
2:Rh:39:LEU:N	2:Rh:39:LEU:HD12	2.22	0.54
2:sh:39:LEU:HD12	2:sh:39:LEU:N	2.22	0.54
1:F:548:GLU:HA	1:F:548:GLU:OE1	2.08	0.54
1:L:548:GLU:OE1	1:L:548:GLU:HA	2.08	0.54
1:N:548:GLU:HA	1:N:548:GLU:OE1	2.08	0.54
1:S:548:GLU:OE1	1:S:548:GLU:HA	2.08	0.54
1:V:314:LYS:HG3	1:V:410:THR:CG2	2.35	0.54
1:l:238:ARG:HH21	1:l:238:ARG:CG	2.14	0.54
1:v:324:THR:OG1	2:vh:130:THR:CG2	2.55	0.54
1:x:238:ARG:HH21	1:x:238:ARG:CG	2.14	0.54
1:x:548:GLU:OE1	1:x:548:GLU:HA	2.08	0.54
1:z:548:GLU:OE1	1:z:548:GLU:HA	2.08	0.54
2:lh:39:LEU:HD12	2:lh:39:LEU:N	2.22	0.54
2:2h:39:LEU:N	2:2h:39:LEU:HD12	2.22	0.54
3:Gl:31:SER:CA	3:Gl:128:THR:O	2.40	0.54
1:f:314:LYS:HG3	1:f:410:THR:CG2	2.35	0.53
1:v:548:GLU:OE1	1:v:548:GLU:HA	2.08	0.53
1:y:324:THR:OG1	2:yh:130:THR:CG2	2.55	0.53
1:1:314:LYS:HG3	1:1:410:THR:CG2	2.35	0.53
1:5:548:GLU:OE1	1:5:548:GLU:HA	2.08	0.53
2:Dh:39:LEU:HD12	2:Dh:39:LEU:N	2.22	0.53
2:Kh:39:LEU:HD12	2:Kh:39:LEU:N	2.22	0.53
2:qh:39:LEU:HD12	2:qh:39:LEU:N	2.22	0.53
2:uh:39:LEU:N	2:uh:39:LEU:HD12	2.22	0.53
3:Tl:26:GLN:CG	3:Tl:27:PRO:HD2	2.39	0.53
3:Zl:26:GLN:CG	3:Zl:27:PRO:HD2	2.39	0.53
3:gl:26:GLN:CG	3:gl:27:PRO:HD2	2.39	0.53
1:J:314:LYS:HG3	1:J:410:THR:CG2	2.35	0.53
1:Y:548:GLU:HA	1:Y:548:GLU:OE1	2.08	0.53
1:e:548:GLU:OE1	1:e:548:GLU:HA	2.08	0.53
1:n:314:LYS:HG3	1:n:410:THR:CG2	2.35	0.53
1:o:548:GLU:OE1	1:o:548:GLU:HA	2.08	0.53
1:u:548:GLU:OE1	1:u:548:GLU:HA	2.08	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:4:548:GLU:OE1	1:4:548:GLU:HA	2.08	0.53
3:Gl:26:GLN:CG	3:Gl:27:PRO:HD2	2.39	0.53
3:Ol:26:GLN:CG	3:Ol:27:PRO:HD2	2.39	0.53
3:Yl:31:SER:CA	3:Yl:128:THR:O	2.40	0.53
3:el:26:GLN:CG	3:el:27:PRO:HD2	2.39	0.53
3:kl:26:GLN:CG	3:kl:27:PRO:HD2	2.39	0.53
3:sl:26:GLN:CG	3:sl:27:PRO:HD2	2.39	0.53
3:3l:31:SER:CA	3:3l:128:THR:O	2.40	0.53
3:6l:26:GLN:CG	3:6l:27:PRO:HD2	2.39	0.53
3:6l:31:SER:CA	3:6l:128:THR:O	2.40	0.53
1:C:238:ARG:HH21	1:C:238:ARG:CG	2.14	0.53
1:H:548:GLU:OE1	1:H:548:GLU:HA	2.08	0.53
1:K:324:THR:OG1	2:Kh:130:THR:CG2	2.55	0.53
1:O:548:GLU:OE1	1:O:548:GLU:HA	2.08	0.53
1:X:548:GLU:OE1	1:X:548:GLU:HA	2.08	0.53
1:d:548:GLU:HA	1:d:548:GLU:OE1	2.08	0.53
1:g:238:ARG:HH21	1:g:238:ARG:CG	2.14	0.53
1:m:324:THR:OG1	2:mh:130:THR:CG2	2.55	0.53
1:t:548:GLU:HA	1:t:548:GLU:OE1	2.08	0.53
1:z:324:THR:OG1	2:zh:130:THR:CG2	2.55	0.53
1:3:238:ARG:HG2	1:3:238:ARG:NH2	2.12	0.53
1:6:548:GLU:HA	1:6:548:GLU:OE1	2.08	0.53
2:yh:39:LEU:HD12	2:yh:39:LEU:N	2.22	0.53
3:Xl:26:GLN:CG	3:Xl:27:PRO:HD2	2.39	0.53
3:il:26:GLN:CG	3:il:27:PRO:HD2	2.39	0.53
3:pl:26:GLN:CG	3:pl:27:PRO:HD2	2.39	0.53
3:tl:26:GLN:CG	3:tl:27:PRO:HD2	2.39	0.53
3:wl:26:GLN:CG	3:wl:27:PRO:HD2	2.39	0.53
3:yl:26:GLN:CG	3:yl:27:PRO:HD2	2.39	0.53
3:5l:26:GLN:CG	3:5l:27:PRO:HD2	2.39	0.53
1:B:324:THR:OG1	2:Bh:130:THR:CG2	2.55	0.53
1:G:548:GLU:OE1	1:G:548:GLU:HA	2.08	0.53
1:J:548:GLU:OE1	1:J:548:GLU:HA	2.08	0.53
1:R:324:THR:OG1	2:Rh:130:THR:CG2	2.55	0.53
1:T:238:ARG:HH21	1:T:238:ARG:CG	2.14	0.53
1:X:314:LYS:HG3	1:X:410:THR:CG2	2.35	0.53
1:Z:548:GLU:OE1	1:Z:548:GLU:HA	2.08	0.53
1:i:548:GLU:HA	1:i:548:GLU:OE1	2.08	0.53
1:0:324:THR:OG1	2:0h:130:THR:CG2	2.55	0.53
1:2:238:ARG:HH21	1:2:238:ARG:CG	2.14	0.53
2:Lh:39:LEU:HD12	2:Lh:39:LEU:N	2.22	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Ph:106:VAL:CG2	2:Ph:110:ASP:CG	2.81	0.53
3:Bl:26:GLN:CG	3:Bl:27:PRO:HD2	2.39	0.53
3:Dl:26:GLN:CG	3:Dl:27:PRO:HD2	2.39	0.53
3:Fl:26:GLN:CG	3:Fl:27:PRO:HD2	2.39	0.53
3:Jl:26:GLN:CG	3:Jl:27:PRO:HD2	2.39	0.53
3:Kl:26:GLN:CG	3:Kl:27:PRO:HD2	2.39	0.53
3:Nl:26:GLN:CG	3:Nl:27:PRO:HD2	2.39	0.53
3:Rl:26:GLN:CG	3:Rl:27:PRO:HD2	2.39	0.53
3:Ul:26:GLN:CG	3:Ul:27:PRO:HD2	2.39	0.53
3:hl:26:GLN:CG	3:hl:27:PRO:HD2	2.39	0.53
3:il:26:GLN:CG	3:il:27:PRO:HD2	2.39	0.53
3:tl:26:GLN:CG	3:tl:27:PRO:HD2	2.39	0.53
3:tl:26:GLN:CG	3:tl:27:PRO:HD2	2.39	0.53
1:C:314:LYS:HG3	1:C:410:THR:CG2	2.35	0.53
1:P:710:VAL:O	1:P:713:THR:OG1	2.27	0.53
2:Eh:106:VAL:CG2	2:Eh:110:ASP:CG	2.81	0.53
3:Cl:26:GLN:CG	3:Cl:27:PRO:HD2	2.39	0.53
3:al:26:GLN:CG	3:al:27:PRO:HD2	2.39	0.53
3:jl:26:GLN:CG	3:jl:27:PRO:HD2	2.39	0.53
3:rl:26:GLN:CG	3:rl:27:PRO:HD2	2.39	0.53
3:xl:26:GLN:CG	3:xl:27:PRO:HD2	2.39	0.53
3:zl:26:GLN:CG	3:zl:27:PRO:HD2	2.39	0.53
1:E:710:VAL:O	1:E:713:THR:OG1	2.27	0.53
1:Z:710:VAL:O	1:Z:713:THR:OG1	2.27	0.53
1:a:548:GLU:HA	1:a:548:GLU:OE1	2.08	0.53
1:x:314:LYS:HG3	1:x:410:THR:CG2	2.35	0.53
1:6:710:VAL:O	1:6:713:THR:OG1	2.27	0.53
2:Eh:39:LEU:N	2:Eh:39:LEU:HD12	2.22	0.53
2:Sh:39:LEU:HD12	2:Sh:39:LEU:N	2.22	0.53
2:jh:39:LEU:N	2:jh:39:LEU:HD12	2.22	0.53
3:Il:26:GLN:CG	3:Il:27:PRO:HD2	2.39	0.53
3:Yl:26:GLN:CG	3:Yl:27:PRO:HD2	2.39	0.53
3:bl:26:GLN:CG	3:bl:27:PRO:HD2	2.39	0.53
3:vl:26:GLN:CG	3:vl:27:PRO:HD2	2.39	0.53
1:T:324:THR:OG1	2:Th:130:THR:CG2	2.55	0.53
1:c:238:ARG:HG2	1:c:238:ARG:NH2	2.12	0.53
1:o:324:THR:OG1	2:oh:130:THR:CG2	2.56	0.53
2:kh:106:VAL:CG2	2:kh:110:ASP:CG	2.81	0.53
2:mh:39:LEU:N	2:mh:39:LEU:HD12	2.22	0.53
2:rh:39:LEU:N	2:rh:39:LEU:HD12	2.22	0.53
2:sh:106:VAL:CG2	2:sh:110:ASP:CG	2.81	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Al:26:GLN:CG	3:Al:27:PRO:HD2	2.39	0.53
3:Hi:31:SER:CA	3:Hi:128:THR:O	2.40	0.53
3:Nl:30:GLU:HB3	3:Nl:38:ILE:HD11	1.91	0.53
3:ol:26:GLN:CG	3:ol:27:PRO:HD2	2.39	0.53
3:3l:26:GLN:CG	3:3l:27:PRO:HD2	2.39	0.53
1:U:548:GLU:OE1	1:U:548:GLU:HA	2.08	0.53
1:b:324:THR:OG1	2:bh:130:THR:CG2	2.55	0.53
1:g:548:GLU:OE1	1:g:548:GLU:HA	2.08	0.53
1:0:548:GLU:OE1	1:0:548:GLU:HA	2.08	0.53
1:7:548:GLU:OE1	1:7:548:GLU:HA	2.08	0.53
2:Ph:39:LEU:HD12	2:Ph:39:LEU:N	2.22	0.53
2:0h:39:LEU:HD12	2:0h:39:LEU:N	2.22	0.53
3:El:26:GLN:CG	3:El:27:PRO:HD2	2.39	0.53
3:Fl:30:GLU:HB3	3:Fl:38:ILE:HD11	1.91	0.53
3:Hi:26:GLN:CG	3:Hi:27:PRO:HD2	2.39	0.53
3:Pl:26:GLN:CG	3:Pl:27:PRO:HD2	2.39	0.53
3:Wl:26:GLN:CG	3:Wl:27:PRO:HD2	2.39	0.53
3:cl:26:GLN:CG	3:cl:27:PRO:HD2	2.39	0.53
1:g:324:THR:OG1	2:gh:130:THR:CG2	2.55	0.53
1:h:548:GLU:OE1	1:h:548:GLU:HA	2.08	0.53
1:m:548:GLU:OE1	1:m:548:GLU:HA	2.08	0.53
1:q:314:LYS:HG3	1:q:410:THR:CG2	2.35	0.53
3:Al:30:GLU:HB3	3:Al:38:ILE:HD11	1.91	0.53
3:Vl:30:GLU:HB3	3:Vl:38:ILE:HD11	1.91	0.53
3:bl:30:GLU:HB3	3:bl:38:ILE:HD11	1.91	0.53
3:ll:31:SER:CA	3:ll:128:THR:O	2.40	0.53
3:ml:26:GLN:CG	3:ml:27:PRO:HD2	2.39	0.53
1:T:548:GLU:OE1	1:T:548:GLU:HA	2.08	0.53
1:V:548:GLU:OE1	1:V:548:GLU:HA	2.08	0.53
1:W:548:GLU:OE1	1:W:548:GLU:HA	2.08	0.53
1:b:548:GLU:OE1	1:b:548:GLU:HA	2.08	0.53
1:f:548:GLU:OE1	1:f:548:GLU:HA	2.08	0.53
2:Bh:106:VAL:CG2	2:Bh:110:ASP:CG	2.81	0.53
2:Dh:106:VAL:CG2	2:Dh:110:ASP:CG	2.81	0.53
2:zh:106:VAL:CG2	2:zh:110:ASP:CG	2.81	0.53
3:Dl:30:GLU:HB3	3:Dl:38:ILE:HD11	1.91	0.53
3:El:30:GLU:HB3	3:El:38:ILE:HD11	1.91	0.53
3:Mi:26:GLN:CG	3:Mi:27:PRO:HD2	2.39	0.53
3:Pl:30:GLU:HB3	3:Pl:38:ILE:HD11	1.91	0.53
3:Ql:26:GLN:CG	3:Ql:27:PRO:HD2	2.39	0.53
3:Sl:26:GLN:CG	3:Sl:27:PRO:HD2	2.39	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:cl:30:GLU:HB3	3:cl:38:ILE:HD11	1.91	0.53
3:fl:30:GLU:HB3	3:fl:38:ILE:HD11	1.91	0.53
3:ul:26:GLN:CG	3:ul:27:PRO:HD2	2.39	0.53
3:yl:30:GLU:HB3	3:yl:38:ILE:HD11	1.91	0.53
3:ol:126:LYS:NZ	3:ol:126:LYS:HB3	2.24	0.53
3:3l:30:GLU:HB3	3:3l:38:ILE:HD11	1.91	0.53
1:A:548:GLU:HA	1:A:548:GLU:OE1	2.08	0.52
1:t:324:THR:OG1	2:th:130:THR:CG2	2.55	0.52
1:u:314:LYS:HG3	1:u:410:THR:CG2	2.35	0.52
2:Hh:53:TYR:HE1	2:Hh:120:VAL:HG22	1.75	0.52
2:Lh:53:TYR:HE1	2:Lh:120:VAL:HG22	1.75	0.52
2:Sh:53:TYR:HE1	2:Sh:120:VAL:HG22	1.75	0.52
2:Th:106:VAL:CG2	2:Th:110:ASP:CG	2.81	0.52
2:Yh:53:TYR:HE1	2:Yh:120:VAL:HG22	1.75	0.52
2:gh:106:VAL:CG2	2:gh:110:ASP:CG	2.81	0.52
2:yh:106:VAL:CG2	2:yh:110:ASP:CG	2.81	0.52
2:1h:53:TYR:HE1	2:1h:120:VAL:HG22	1.75	0.52
3:Kl:46:SER:HB3	3:Kl:91:ASN:HD21	1.75	0.52
3:Ll:26:GLN:CG	3:Ll:27:PRO:HD2	2.39	0.52
3:fl:26:GLN:CG	3:fl:27:PRO:HD2	2.39	0.52
3:hl:30:GLU:HB3	3:hl:38:ILE:HD11	1.91	0.52
3:ml:126:LYS:NZ	3:ml:126:LYS:HB3	2.25	0.52
3:ol:46:SER:HB3	3:ol:91:ASN:HD21	1.74	0.52
3:pl:30:GLU:HB3	3:pl:38:ILE:HD11	1.91	0.52
3:pl:46:SER:HB3	3:pl:91:ASN:HD21	1.75	0.52
3:wl:30:GLU:HB3	3:wl:38:ILE:HD11	1.91	0.52
3:xl:30:GLU:HB3	3:xl:38:ILE:HD11	1.91	0.52
3:zl:126:LYS:HB3	3:zl:126:LYS:NZ	2.24	0.52
1:I:548:GLU:HA	1:I:548:GLU:OE1	2.08	0.52
1:Y:324:THR:OG1	2:Yh:130:THR:CG2	2.56	0.52
1:i:324:THR:OG1	2:ih:130:THR:CG2	2.55	0.52
1:r:314:LYS:HG3	1:r:410:THR:CG2	2.35	0.52
2:Wh:53:TYR:HE1	2:Wh:120:VAL:HG22	1.75	0.52
2:lh:53:TYR:HE1	2:lh:120:VAL:HG22	1.75	0.52
2:nh:53:TYR:HE1	2:nh:120:VAL:HG22	1.75	0.52
2:vh:53:TYR:HE1	2:vh:120:VAL:HG22	1.75	0.52
3:Bl:126:LYS:NZ	3:Bl:126:LYS:HB3	2.25	0.52
3:Cl:30:GLU:HB3	3:Cl:38:ILE:HD11	1.91	0.52
3:Hl:126:LYS:NZ	3:Hl:126:LYS:HB3	2.25	0.52
3:Kl:126:LYS:NZ	3:Kl:126:LYS:HB3	2.25	0.52
3:Ul:30:GLU:HB3	3:Ul:38:ILE:HD11	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Vl:26:GLN:CG	3:Vl:27:PRO:HD2	2.39	0.52
3:Wl:126:LYS:HB3	3:Wl:126:LYS:NZ	2.24	0.52
3:bl:126:LYS:NZ	3:bl:126:LYS:HB3	2.24	0.52
3:dl:26:GLN:CG	3:dl:27:PRO:HD2	2.39	0.52
3:el:46:SER:HB3	3:el:91:ASN:HD21	1.75	0.52
3:kl:126:LYS:NZ	3:kl:126:LYS:HB3	2.25	0.52
3:nl:30:GLU:HB3	3:nl:38:ILE:HD11	1.91	0.52
3:ql:26:GLN:CG	3:ql:27:PRO:HD2	2.39	0.52
3:ql:46:SER:HB3	3:ql:91:ASN:HD21	1.74	0.52
3:sl:126:LYS:NZ	3:sl:126:LYS:HB3	2.25	0.52
3:ul:30:GLU:HB3	3:ul:38:ILE:HD11	1.91	0.52
3:wl:46:SER:HB3	3:wl:91:ASN:HD21	1.75	0.52
3:ol:26:GLN:CG	3:ol:27:PRO:HD2	2.39	0.52
1:H:324:THR:OG1	2:Hh:130:THR:CG2	2.55	0.52
1:N:314:LYS:HG3	1:N:410:THR:CG2	2.35	0.52
1:X:324:THR:OG1	2:Xh:130:THR:CG2	2.55	0.52
2:Ih:53:TYR:HE1	2:Ih:120:VAL:HG22	1.75	0.52
2:Rh:53:TYR:HE1	2:Rh:120:VAL:HG22	1.75	0.52
2:ah:106:VAL:CG2	2:ah:110:ASP:CG	2.81	0.52
2:oh:53:TYR:HE1	2:oh:120:VAL:HG22	1.75	0.52
2:2h:53:TYR:HE1	2:2h:120:VAL:HG22	1.75	0.52
2:7h:106:VAL:CG2	2:7h:110:ASP:CG	2.81	0.52
3:Al:126:LYS:HB3	3:Al:126:LYS:NZ	2.25	0.52
3:Fl:126:LYS:NZ	3:Fl:126:LYS:HB3	2.25	0.52
3:Ml:46:SER:HB3	3:Ml:91:ASN:HD21	1.74	0.52
3:Nl:126:LYS:NZ	3:Nl:126:LYS:HB3	2.25	0.52
3:Rl:46:SER:HB3	3:Rl:91:ASN:HD21	1.75	0.52
3:Rl:126:LYS:NZ	3:Rl:126:LYS:HB3	2.25	0.52
3:Xl:30:GLU:HB3	3:Xl:38:ILE:HD11	1.91	0.52
3:Yl:126:LYS:NZ	3:Yl:126:LYS:HB3	2.25	0.52
3:jl:126:LYS:NZ	3:jl:126:LYS:HB3	2.25	0.52
3:ll:30:GLU:HB3	3:ll:38:ILE:HD11	1.91	0.52
3:ql:30:GLU:HB3	3:ql:38:ILE:HD11	1.91	0.52
3:ul:46:SER:HB3	3:ul:91:ASN:HD21	1.75	0.52
3:yl:46:SER:HB3	3:yl:91:ASN:HD21	1.75	0.52
3:1l:30:GLU:HB3	3:1l:38:ILE:HD11	1.91	0.52
3:4l:26:GLN:CG	3:4l:27:PRO:HD2	2.39	0.52
3:5l:46:SER:HB3	3:5l:91:ASN:HD21	1.75	0.52
1:F:314:LYS:HG3	1:F:410:THR:CG2	2.35	0.52
1:Z:314:LYS:HG3	1:Z:410:THR:CG2	2.35	0.52
1:j:314:LYS:HG3	1:j:410:THR:CG2	2.35	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Th:53:TYR:HE1	2:Th:120:VAL:HG22	1.75	0.52
2:gh:53:TYR:HE1	2:gh:120:VAL:HG22	1.75	0.52
2:qh:106:VAL:CG2	2:qh:110:ASP:CG	2.81	0.52
2:3h:53:TYR:HE1	2:3h:120:VAL:HG22	1.75	0.52
3:Bl:46:SER:HB3	3:Bl:91:ASN:HD21	1.75	0.52
3:Dl:46:SER:HB3	3:Dl:91:ASN:HD21	1.75	0.52
3:El:31:SER:CA	3:El:128:THR:O	2.40	0.52
3:Il:126:LYS:HB3	3:Il:126:LYS:NZ	2.25	0.52
3:Jl:30:GLU:HB3	3:Jl:38:ILE:HD11	1.91	0.52
3:Pl:126:LYS:NZ	3:Pl:126:LYS:HB3	2.25	0.52
3:Ql:46:SER:HB3	3:Ql:91:ASN:HD21	1.74	0.52
3:Zl:126:LYS:NZ	3:Zl:126:LYS:HB3	2.25	0.52
3:al:126:LYS:NZ	3:al:126:LYS:HB3	2.25	0.52
3:el:126:LYS:NZ	3:el:126:LYS:HB3	2.24	0.52
3:gl:126:LYS:HB3	3:gl:126:LYS:NZ	2.24	0.52
3:kl:30:GLU:HB3	3:kl:38:ILE:HD11	1.91	0.52
3:nl:126:LYS:NZ	3:nl:126:LYS:HB3	2.25	0.52
3:rl:126:LYS:NZ	3:rl:126:LYS:HB3	2.25	0.52
3:vl:46:SER:HB3	3:vl:91:ASN:HD21	1.75	0.52
3:zl:46:SER:HB3	3:zl:91:ASN:HD21	1.75	0.52
3:1l:126:LYS:HB3	3:1l:126:LYS:NZ	2.25	0.52
3:2l:30:GLU:HB3	3:2l:38:ILE:HD11	1.91	0.52
3:2l:31:SER:CA	3:2l:128:THR:O	2.40	0.52
3:6l:126:LYS:NZ	3:6l:126:LYS:HB3	2.24	0.52
3:7l:126:LYS:NZ	3:7l:126:LYS:HB3	2.25	0.52
1:I:238:ARG:HG2	1:I:238:ARG:NH2	2.12	0.52
1:J:324:THR:OG1	2:Jh:130:THR:CG2	2.55	0.52
1:W:238:ARG:HG2	1:W:238:ARG:NH2	2.12	0.52
1:c:238:ARG:HH21	1:c:238:ARG:CG	2.14	0.52
1:6:314:LYS:HG3	1:6:410:THR:CG2	2.35	0.52
2:Ch:53:TYR:HE1	2:Ch:120:VAL:HG22	1.75	0.52
2:Kh:53:TYR:HE1	2:Kh:120:VAL:HG22	1.75	0.52
2:Zh:106:VAL:CG2	2:Zh:110:ASP:CG	2.81	0.52
2:ch:53:TYR:HE1	2:ch:120:VAL:HG22	1.75	0.52
2:jh:53:TYR:HE1	2:jh:120:VAL:HG22	1.75	0.52
2:xh:53:TYR:HE1	2:xh:120:VAL:HG22	1.75	0.52
3:Cl:46:SER:HB3	3:Cl:91:ASN:HD21	1.74	0.52
3:El:126:LYS:NZ	3:El:126:LYS:HB3	2.25	0.52
3:Gl:126:LYS:NZ	3:Gl:126:LYS:HB3	2.25	0.52
3:jl:30:GLU:HB3	3:jl:38:ILE:HD11	1.91	0.52
3:nl:46:SER:HB3	3:nl:91:ASN:HD21	1.75	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:pl:126:LYS:NZ	3:pl:126:LYS:HB3	2.25	0.52
3:rl:30:GLU:HB3	3:rl:38:ILE:HD11	1.91	0.52
3:wl:126:LYS:HB3	3:wl:126:LYS:NZ	2.25	0.52
3:ll:26:GLN:CG	3:ll:27:PRO:HD2	2.39	0.52
3:ll:46:SER:HB3	3:ll:91:ASN:HD21	1.75	0.52
3:5l:126:LYS:NZ	3:5l:126:LYS:HB3	2.24	0.52
1:v:238:ARG:NH2	1:v:238:ARG:CG	2.73	0.52
2:eh:53:TYR:HE1	2:eh:120:VAL:HG22	1.75	0.52
2:kh:53:TYR:HE1	2:kh:120:VAL:HG22	1.75	0.52
2:rh:53:TYR:HE1	2:rh:120:VAL:HG22	1.75	0.52
2:sh:53:TYR:HE1	2:sh:120:VAL:HG22	1.75	0.52
2:5h:53:TYR:HE1	2:5h:120:VAL:HG22	1.75	0.52
3:Bl:30:GLU:HB3	3:Bl:38:ILE:HD11	1.91	0.52
3:Dl:126:LYS:HB3	3:Dl:126:LYS:NZ	2.25	0.52
3:Mi:126:LYS:NZ	3:Mi:126:LYS:HB3	2.25	0.52
3:Ol:126:LYS:NZ	3:Ol:126:LYS:HB3	2.25	0.52
3:Ql:126:LYS:NZ	3:Ql:126:LYS:HB3	2.25	0.52
3:Sl:126:LYS:NZ	3:Sl:126:LYS:HB3	2.25	0.52
3:Tl:30:GLU:HB3	3:Tl:38:ILE:HD11	1.91	0.52
3:Tl:126:LYS:HB3	3:Tl:126:LYS:NZ	2.25	0.52
3:gl:30:GLU:HB3	3:gl:38:ILE:HD11	1.91	0.52
3:nl:26:GLN:CG	3:nl:27:PRO:HD2	2.39	0.52
3:sl:30:GLU:HB3	3:sl:38:ILE:HD11	1.91	0.52
3:xl:46:SER:HB3	3:xl:91:ASN:HD21	1.75	0.52
3:yl:126:LYS:NZ	3:yl:126:LYS:HB3	2.25	0.52
3:zl:30:GLU:HB3	3:zl:38:ILE:HD11	1.91	0.52
1:U:238:ARG:NH2	1:U:238:ARG:CG	2.73	0.52
1:k:238:ARG:NH2	1:k:238:ARG:CG	2.73	0.52
1:o:238:ARG:NH2	1:o:238:ARG:CG	2.73	0.52
1:p:548:GLU:OE1	1:p:548:GLU:HA	2.08	0.52
1:s:238:ARG:NH2	1:s:238:ARG:CG	2.73	0.52
1:3:238:ARG:HH21	1:3:238:ARG:CG	2.14	0.52
2:ah:53:TYR:HE1	2:ah:120:VAL:HG22	1.75	0.52
2:fh:53:TYR:HE1	2:fh:120:VAL:HG22	1.75	0.52
2:lh:106:VAL:CG2	2:lh:110:ASP:CG	2.81	0.52
2:uh:106:VAL:CG2	2:uh:110:ASP:CG	2.81	0.52
2:2h:106:VAL:CG2	2:2h:110:ASP:CG	2.81	0.52
3:Hl:46:SER:HB3	3:Hl:91:ASN:HD21	1.75	0.52
3:Il:46:SER:HB3	3:Il:91:ASN:HD21	1.74	0.52
3:Ll:126:LYS:HB3	3:Ll:126:LYS:NZ	2.25	0.52
3:Yl:46:SER:HB3	3:Yl:91:ASN:HD21	1.75	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:rl:46:SER:HB3	3:rl:91:ASN:HD21	1.75	0.52
1:b:238:ARG:NH2	1:b:238:ARG:CG	2.73	0.52
1:h:238:ARG:NH2	1:h:238:ARG:CG	2.73	0.52
1:l:238:ARG:NH2	1:l:238:ARG:CG	2.73	0.52
1:w:548:GLU:OE1	1:w:548:GLU:HA	2.08	0.52
2:Uh:61:PRO:HB2	2:Uh:64:LYS:HG3	1.92	0.52
2:Zh:53:TYR:HE1	2:Zh:120:VAL:HG22	1.75	0.52
2:hh:61:PRO:HB2	2:hh:64:LYS:HG3	1.92	0.52
2:ih:61:PRO:HB2	2:ih:64:LYS:HG3	1.92	0.52
2:6h:106:VAL:CG2	2:6h:110:ASP:CG	2.81	0.52
3:hl:46:SER:HB3	3:hl:91:ASN:HD21	1.75	0.52
3:jl:46:SER:HB3	3:jl:91:ASN:HD21	1.75	0.52
1:H:479:PRO:O	1:H:604:MET:HG2	2.10	0.52
1:Y:479:PRO:O	1:Y:604:MET:HG2	2.10	0.52
1:m:479:PRO:O	1:m:604:MET:HG2	2.10	0.52
1:0:479:PRO:O	1:0:604:MET:HG2	2.10	0.52
1:2:238:ARG:NH2	1:2:238:ARG:CG	2.73	0.52
2:Vh:53:TYR:HE1	2:Vh:120:VAL:HG22	1.75	0.52
2:dh:53:TYR:HE1	2:dh:120:VAL:HG22	1.75	0.52
2:eh:61:PRO:HB2	2:eh:64:LYS:HG3	1.92	0.52
2:th:61:PRO:HB2	2:th:64:LYS:HG3	1.92	0.52
2:yh:53:TYR:HE1	2:yh:120:VAL:HG22	1.75	0.52
2:4h:53:TYR:HE1	2:4h:120:VAL:HG22	1.75	0.52
2:5h:61:PRO:HB2	2:5h:64:LYS:HG3	1.92	0.52
2:6h:53:TYR:HE1	2:6h:120:VAL:HG22	1.75	0.52
2:7h:53:TYR:HE1	2:7h:120:VAL:HG22	1.75	0.52
3:Cl:126:LYS:NZ	3:Cl:126:LYS:HB3	2.24	0.52
3:Kl:30:GLU:HB3	3:Kl:38:ILE:HD11	1.91	0.52
3:Pl:31:SER:CA	3:Pl:128:THR:O	2.40	0.52
3:Rl:30:GLU:HB3	3:Rl:38:ILE:HD11	1.91	0.52
3:Wl:46:SER:HB3	3:Wl:91:ASN:HD21	1.75	0.52
3:dl:126:LYS:HB3	3:dl:126:LYS:NZ	2.25	0.52
3:el:30:GLU:HB3	3:el:38:ILE:HD11	1.91	0.52
3:fl:126:LYS:NZ	3:fl:126:LYS:HB3	2.25	0.52
3:4l:46:SER:HB3	3:4l:91:ASN:HD21	1.75	0.52
3:5l:30:GLU:HB3	3:5l:38:ILE:HD11	1.91	0.52
1:A:238:ARG:NH2	1:A:238:ARG:CG	2.73	0.52
1:E:479:PRO:O	1:E:604:MET:HG2	2.10	0.52
1:N:479:PRO:O	1:N:604:MET:HG2	2.10	0.52
1:P:479:PRO:O	1:P:604:MET:HG2	2.10	0.52
1:R:479:PRO:O	1:R:604:MET:HG2	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:479:PRO:O	1:U:604:MET:HG2	2.10	0.52
1:V:479:PRO:O	1:V:604:MET:HG2	2.10	0.52
1:a:479:PRO:O	1:a:604:MET:HG2	2.10	0.52
1:c:479:PRO:O	1:c:604:MET:HG2	2.10	0.52
1:f:710:VAL:O	1:f:713:THR:OG1	2.27	0.52
1:h:479:PRO:O	1:h:604:MET:HG2	2.10	0.52
1:p:479:PRO:O	1:p:604:MET:HG2	2.10	0.52
1:3:479:PRO:O	1:3:604:MET:HG2	2.10	0.52
1:7:479:PRO:O	1:7:604:MET:HG2	2.10	0.52
2:Dh:53:TYR:HE1	2:Dh:120:VAL:HG22	1.75	0.52
2:lh:61:PRO:HB2	2:lh:64:LYS:HG3	1.92	0.52
2:nh:61:PRO:HB2	2:nh:64:LYS:HG3	1.92	0.52
2:2h:61:PRO:HB2	2:2h:64:LYS:HG3	1.92	0.52
3:Gl:46:SER:HB3	3:Gl:91:ASN:HD21	1.75	0.52
3:Ol:46:SER:HB3	3:Ol:91:ASN:HD21	1.75	0.52
3:Ul:46:SER:HB3	3:Ul:91:ASN:HD21	1.75	0.52
3:Vl:126:LYS:NZ	3:Vl:126:LYS:HB3	2.25	0.52
3:dl:30:GLU:HB3	3:dl:38:ILE:HD11	1.91	0.52
3:dl:46:SER:HB3	3:dl:91:ASN:HD21	1.75	0.52
3:tl:126:LYS:NZ	3:tl:126:LYS:HB3	2.25	0.52
3:xl:126:LYS:NZ	3:xl:126:LYS:HB3	2.24	0.52
3:Ol:46:SER:HB3	3:Ol:91:ASN:HD21	1.74	0.52
3:3l:126:LYS:NZ	3:3l:126:LYS:HB3	2.25	0.52
3:4l:30:GLU:HB3	3:4l:38:ILE:HD11	1.91	0.52
3:6l:46:SER:HB3	3:6l:91:ASN:HD21	1.75	0.52
1:C:479:PRO:O	1:C:604:MET:HG2	2.10	0.51
1:K:479:PRO:O	1:K:604:MET:HG2	2.10	0.51
1:L:324:THR:OG1	2:Lh:130:THR:CG2	2.55	0.51
1:S:324:THR:OG1	2:Sh:130:THR:CG2	2.55	0.51
1:h:566:ARG:HD2	1:u:511:ASN:OD1	2.10	0.51
1:v:314:LYS:HG3	1:v:410:THR:CG2	2.35	0.51
1:w:479:PRO:O	1:w:604:MET:HG2	2.10	0.51
2:Ih:106:VAL:CG2	2:Ih:110:ASP:CG	2.81	0.51
2:Wh:106:VAL:CG2	2:Wh:110:ASP:CG	2.81	0.51
2:zh:61:PRO:HB2	2:zh:64:LYS:HG3	1.92	0.51
2:1h:61:PRO:HB2	2:1h:64:LYS:HG3	1.92	0.51
3:Ml:30:GLU:HB3	3:Ml:38:ILE:HD11	1.91	0.51
3:Zl:46:SER:HB3	3:Zl:91:ASN:HD21	1.75	0.51
3:al:30:GLU:HB3	3:al:38:ILE:HD11	1.91	0.51
3:cl:126:LYS:NZ	3:cl:126:LYS:HB3	2.25	0.51
3:il:126:LYS:NZ	3:il:126:LYS:HB3	2.25	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:ml:46:SER:HB3	3:ml:91:ASN:HD21	1.75	0.51
3:ol:30:GLU:HB3	3:ol:38:ILE:HD11	1.91	0.51
3:2l:126:LYS:NZ	3:2l:126:LYS:HB3	2.25	0.51
3:4l:126:LYS:HB3	3:4l:126:LYS:NZ	2.25	0.51
1:G:479:PRO:O	1:G:604:MET:HG2	2.10	0.51
1:O:479:PRO:O	1:O:604:MET:HG2	2.10	0.51
1:V:710:VAL:O	1:V:713:THR:OG1	2.27	0.51
1:f:479:PRO:O	1:f:604:MET:HG2	2.10	0.51
1:n:479:PRO:O	1:n:604:MET:HG2	2.10	0.51
1:o:479:PRO:O	1:o:604:MET:HG2	2.10	0.51
1:v:479:PRO:O	1:v:604:MET:HG2	2.10	0.51
1:x:479:PRO:O	1:x:604:MET:HG2	2.10	0.51
2:Bh:61:PRO:HB2	2:Bh:64:LYS:HG3	1.92	0.51
3:Ql:30:GLU:HB3	3:Ql:38:ILE:HD11	1.91	0.51
3:Xl:126:LYS:NZ	3:Xl:126:LYS:HB3	2.25	0.51
3:ll:126:LYS:HB3	3:ll:126:LYS:NZ	2.25	0.51
3:2l:46:SER:HB3	3:2l:91:ASN:HD21	1.75	0.51
3:7l:30:GLU:HB3	3:7l:38:ILE:HD11	1.91	0.51
1:D:238:ARG:NH2	1:D:238:ARG:CG	2.73	0.51
1:F:238:ARG:NH2	1:F:238:ARG:CG	2.73	0.51
1:F:479:PRO:O	1:F:604:MET:HG2	2.11	0.51
1:N:238:ARG:NH2	1:N:238:ARG:CG	2.73	0.51
1:Q:710:VAL:O	1:Q:713:THR:OG1	2.27	0.51
1:Z:238:ARG:NH2	1:Z:238:ARG:CG	2.73	0.51
1:h:657:PRO:HB3	1:h:666:PHE:CZ	2.32	0.51
1:t:238:ARG:HH21	1:t:238:ARG:CG	2.14	0.51
1:1:324:THR:OG1	2:1h:130:THR:CG2	2.55	0.51
1:1:479:PRO:O	1:1:604:MET:HG2	2.10	0.51
2:Hh:106:VAL:CG2	2:Hh:110:ASP:CG	2.81	0.51
2:Ph:53:TYR:HE1	2:Ph:120:VAL:HG22	1.75	0.51
2:Rh:61:PRO:HB2	2:Rh:64:LYS:HG3	1.92	0.51
2:Yh:106:VAL:CG2	2:Yh:110:ASP:CG	2.81	0.51
2:0h:61:PRO:HB2	2:0h:64:LYS:HG3	1.92	0.51
3:Jl:126:LYS:NZ	3:Jl:126:LYS:HB3	2.25	0.51
3:kl:46:SER:HB3	3:kl:91:ASN:HD21	1.75	0.51
3:nl:31:SER:CA	3:nl:128:THR:O	2.40	0.51
3:ol:126:LYS:HB3	3:ol:126:LYS:NZ	2.25	0.51
3:ul:126:LYS:NZ	3:ul:126:LYS:HB3	2.25	0.51
3:vl:30:GLU:HB3	3:vl:38:ILE:HD11	1.91	0.51
3:1l:31:SER:CA	3:1l:128:THR:O	2.40	0.51
1:C:238:ARG:NH2	1:C:238:ARG:CG	2.73	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:657:PRO:HB3	1:W:666:PHE:CZ	2.32	0.51
1:c:324:THR:OG1	2:ch:130:THR:CG2	2.55	0.51
1:n:324:THR:OG1	2:nh:130:THR:CG2	2.55	0.51
1:o:314:LYS:HG3	1:o:410:THR:CG2	2.35	0.51
1:x:238:ARG:NH2	1:x:238:ARG:CG	2.73	0.51
1:y:238:ARG:NH2	1:y:238:ARG:CG	2.73	0.51
2:Gh:53:TYR:HE1	2:Gh:120:VAL:HG22	1.75	0.51
2:Jh:53:TYR:HE1	2:Jh:120:VAL:HG22	1.75	0.51
2:Kh:61:PRO:HB2	2:Kh:64:LYS:HG3	1.92	0.51
2:Nh:61:PRO:HB2	2:Nh:64:LYS:HG3	1.92	0.51
2:mh:61:PRO:HB2	2:mh:64:LYS:HG3	1.92	0.51
3:El:46:SER:HB3	3:El:91:ASN:HD21	1.75	0.51
3:Fl:46:SER:HB3	3:Fl:91:ASN:HD21	1.75	0.51
3:Nl:46:SER:HB3	3:Nl:91:ASN:HD21	1.75	0.51
3:Ul:126:LYS:NZ	3:Ul:126:LYS:HB3	2.25	0.51
3:Vl:46:SER:HB3	3:Vl:91:ASN:HD21	1.74	0.51
3:Zl:30:GLU:HB3	3:Zl:38:ILE:HD11	1.91	0.51
3:ll:46:SER:HB3	3:ll:91:ASN:HD21	1.75	0.51
3:ql:126:LYS:NZ	3:ql:126:LYS:HB3	2.25	0.51
3:sl:46:SER:HB3	3:sl:91:ASN:HD21	1.75	0.51
3:tl:30:GLU:HB3	3:tl:38:ILE:HD11	1.91	0.51
1:M:710:VAL:O	1:M:713:THR:OG1	2.27	0.51
1:i:238:ARG:HH21	1:i:238:ARG:CG	2.14	0.51
1:r:479:PRO:O	1:r:604:MET:HG2	2.11	0.51
1:y:479:PRO:O	1:y:604:MET:HG2	2.10	0.51
1:3:324:THR:OG1	2:3h:130:THR:CG2	2.55	0.51
2:Ah:61:PRO:HB2	2:Ah:64:LYS:HG3	1.92	0.51
2:Bh:53:TYR:HE1	2:Bh:120:VAL:HG22	1.75	0.51
2:Dh:61:PRO:HB2	2:Dh:64:LYS:HG3	1.92	0.51
2:Eh:53:TYR:HE1	2:Eh:120:VAL:HG22	1.75	0.51
2:Fh:61:PRO:HB2	2:Fh:64:LYS:HG3	1.92	0.51
2:Fh:106:VAL:CG2	2:Fh:110:ASP:CG	2.81	0.51
2:Oh:53:TYR:HE1	2:Oh:120:VAL:HG22	1.75	0.51
2:Ph:36:THR:HG22	2:Ph:104:SER:HA	1.93	0.51
2:ah:61:PRO:HB2	2:ah:64:LYS:HG3	1.92	0.51
2:ph:106:VAL:CG2	2:ph:110:ASP:CG	2.81	0.51
2:uh:53:TYR:HE1	2:uh:120:VAL:HG22	1.75	0.51
2:wh:53:TYR:HE1	2:wh:120:VAL:HG22	1.75	0.51
2:wh:106:VAL:CG2	2:wh:110:ASP:CG	2.81	0.51
2:yh:61:PRO:HB2	2:yh:64:LYS:HG3	1.92	0.51
2:zh:53:TYR:HE1	2:zh:120:VAL:HG22	1.75	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Jl:46:SER:HB3	3:Jl:91:ASN:HD21	1.75	0.51
3:Wl:30:GLU:HB3	3:Wl:38:ILE:HD11	1.91	0.51
3:Yl:30:GLU:HB3	3:Yl:38:ILE:HD11	1.91	0.51
3:fl:46:SER:HB3	3:fl:91:ASN:HD21	1.75	0.51
3:hl:126:LYS:NZ	3:hl:126:LYS:HB3	2.25	0.51
3:kl:31:SER:CA	3:kl:128:THR:O	2.40	0.51
3:vl:126:LYS:NZ	3:vl:126:LYS:HB3	2.25	0.51
3:6l:30:GLU:HB3	3:6l:38:ILE:HD11	1.91	0.51
1:A:479:PRO:O	1:A:604:MET:HG2	2.10	0.51
1:B:479:PRO:O	1:B:604:MET:HG2	2.10	0.51
1:D:479:PRO:O	1:D:604:MET:HG2	2.10	0.51
1:U:657:PRO:HB3	1:U:666:PHE:CZ	2.32	0.51
1:Z:479:PRO:O	1:Z:604:MET:HG2	2.10	0.51
1:b:479:PRO:O	1:b:604:MET:HG2	2.10	0.51
1:c:657:PRO:HB3	1:c:666:PHE:CZ	2.32	0.51
1:g:479:PRO:O	1:g:604:MET:HG2	2.10	0.51
1:j:479:PRO:O	1:j:604:MET:HG2	2.11	0.51
1:n:238:ARG:NH2	1:n:238:ARG:CG	2.73	0.51
1:6:479:PRO:O	1:6:604:MET:HG2	2.10	0.51
2:Eh:36:THR:HG22	2:Eh:104:SER:HA	1.93	0.51
2:Lh:36:THR:HG22	2:Lh:104:SER:HA	1.93	0.51
2:Oh:25:GLU:H	2:Oh:25:GLU:CD	2.19	0.51
2:Qh:53:TYR:HE1	2:Qh:120:VAL:HG22	1.75	0.51
2:Xh:53:TYR:HE1	2:Xh:120:VAL:HG22	1.75	0.51
2:Yh:61:PRO:HB2	2:Yh:64:LYS:HG3	1.92	0.51
2:bh:61:PRO:HB2	2:bh:64:LYS:HG3	1.92	0.51
2:gh:61:PRO:HB2	2:gh:64:LYS:HG3	1.92	0.51
2:ph:53:TYR:HE1	2:ph:120:VAL:HG22	1.75	0.51
2:qh:53:TYR:HE1	2:qh:120:VAL:HG22	1.75	0.51
2:7h:61:PRO:HB2	2:7h:64:LYS:HG3	1.92	0.51
3:Al:46:SER:HB3	3:Al:91:ASN:HD21	1.75	0.51
3:Il:30:GLU:HB3	3:Il:38:ILE:HD11	1.91	0.51
3:Pl:46:SER:HB3	3:Pl:91:ASN:HD21	1.75	0.51
3:Tl:46:SER:HB3	3:Tl:91:ASN:HD21	1.75	0.51
3:bl:31:SER:CA	3:bl:128:THR:O	2.40	0.51
3:bl:46:SER:HB3	3:bl:91:ASN:HD21	1.75	0.51
3:il:30:GLU:HB3	3:il:38:ILE:HD11	1.91	0.51
1:I:479:PRO:O	1:I:604:MET:HG2	2.10	0.51
1:T:479:PRO:O	1:T:604:MET:HG2	2.10	0.51
1:W:479:PRO:O	1:W:604:MET:HG2	2.10	0.51
1:d:479:PRO:O	1:d:604:MET:HG2	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:484:ARG:HH11	1:n:596:ASN:ND2	2.09	0.51
1:q:479:PRO:O	1:q:604:MET:HG2	2.10	0.51
1:u:479:PRO:O	1:u:604:MET:HG2	2.10	0.51
1:z:479:PRO:O	1:z:604:MET:HG2	2.10	0.51
1:1:238:ARG:NH2	1:1:238:ARG:CG	2.73	0.51
1:1:484:ARG:HH11	1:1:596:ASN:ND2	2.09	0.51
2:Ah:36:THR:HG22	2:Ah:104:SER:HA	1.93	0.51
2:Gh:25:GLU:H	2:Gh:25:GLU:CD	2.19	0.51
2:Hh:61:PRO:HB2	2:Hh:64:LYS:HG3	1.92	0.51
2:Jh:36:THR:HG22	2:Jh:104:SER:HA	1.93	0.51
2:Kh:25:GLU:CD	2:Kh:25:GLU:H	2.19	0.51
2:Mh:53:TYR:HE1	2:Mh:120:VAL:HG22	1.75	0.51
2:Rh:25:GLU:H	2:Rh:25:GLU:CD	2.19	0.51
2:Th:61:PRO:HB2	2:Th:64:LYS:HG3	1.92	0.51
2:Uh:53:TYR:HE1	2:Uh:120:VAL:HG22	1.75	0.51
2:Wh:25:GLU:H	2:Wh:25:GLU:CD	2.19	0.51
2:Xh:36:THR:HG22	2:Xh:104:SER:HA	1.93	0.51
2:yh:36:THR:HG22	2:yh:104:SER:HA	1.93	0.51
2:5h:36:THR:HG22	2:5h:104:SER:HA	1.93	0.51
2:6h:36:THR:HG22	2:6h:104:SER:HA	1.93	0.51
3:Hl:30:GLU:HB3	3:Hl:38:ILE:HD11	1.91	0.51
3:Ol:30:GLU:HB3	3:Ol:38:ILE:HD11	1.91	0.51
3:Sl:46:SER:HB3	3:Sl:91:ASN:HD21	1.75	0.51
3:gl:46:SER:HB3	3:gl:91:ASN:HD21	1.74	0.51
3:3l:46:SER:HB3	3:3l:91:ASN:HD21	1.75	0.51
1:J:479:PRO:O	1:J:604:MET:HG2	2.10	0.51
1:c:238:ARG:NH2	1:c:238:ARG:CG	2.73	0.51
1:h:484:ARG:HH11	1:h:596:ASN:ND2	2.09	0.51
1:j:710:VAL:O	1:j:713:THR:OG1	2.27	0.51
1:0:484:ARG:HH11	1:0:596:ASN:ND2	2.09	0.51
1:3:238:ARG:NH2	1:3:238:ARG:CG	2.73	0.51
2:Fh:36:THR:HG22	2:Fh:104:SER:HA	1.93	0.51
2:Hh:107:THR:O	2:Hh:109:ALA:N	2.44	0.51
2:Nh:36:THR:HG22	2:Nh:104:SER:HA	1.93	0.51
2:Nh:106:VAL:CG2	2:Nh:110:ASP:CG	2.81	0.51
2:Rh:36:THR:HG22	2:Rh:104:SER:HA	1.93	0.51
2:Sh:36:THR:HG22	2:Sh:104:SER:HA	1.93	0.51
2:Xh:61:PRO:HB2	2:Xh:64:LYS:HG3	1.92	0.51
2:Yh:107:THR:O	2:Yh:109:ALA:N	2.44	0.51
2:Zh:36:THR:HG22	2:Zh:104:SER:HA	1.93	0.51
2:Zh:61:PRO:HB2	2:Zh:64:LYS:HG3	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:bh:36:THR:HG22	2:bh:104:SER:HA	1.93	0.51
2:eh:36:THR:HG22	2:eh:104:SER:HA	1.93	0.51
2:jh:25:GLU:H	2:jh:25:GLU:CD	2.19	0.51
2:lh:36:THR:HG22	2:lh:104:SER:HA	1.93	0.51
2:nh:107:THR:O	2:nh:109:ALA:N	2.44	0.51
2:ph:25:GLU:H	2:ph:25:GLU:CD	2.19	0.51
2:ph:36:THR:HG22	2:ph:104:SER:HA	1.93	0.51
2:rh:25:GLU:H	2:rh:25:GLU:CD	2.19	0.51
2:sh:25:GLU:H	2:sh:25:GLU:CD	2.19	0.51
2:1h:107:THR:O	2:1h:109:ALA:N	2.44	0.51
2:2h:36:THR:HG22	2:2h:104:SER:HA	1.93	0.51
3:Xl:46:SER:HB3	3:Xl:91:ASN:HD21	1.75	0.51
3:il:46:SER:HB3	3:il:91:ASN:HD21	1.75	0.51
1:B:484:ARG:HH11	1:B:596:ASN:ND2	2.09	0.51
1:I:657:PRO:HB3	1:I:666:PHE:CZ	2.32	0.51
1:P:511:ASN:OD1	1:f:566:ARG:HD2	2.11	0.51
1:U:484:ARG:HH11	1:U:596:ASN:ND2	2.09	0.51
1:Y:484:ARG:HH11	1:Y:596:ASN:ND2	2.09	0.51
1:l:479:PRO:O	1:l:604:MET:HG2	2.10	0.51
1:m:484:ARG:HH11	1:m:596:ASN:ND2	2.09	0.51
1:r:710:VAL:O	1:r:713:THR:OG1	2.27	0.51
1:s:238:ARG:HH21	1:s:238:ARG:CG	2.14	0.51
1:4:479:PRO:O	1:4:604:MET:HG2	2.10	0.51
2:Ch:107:THR:O	2:Ch:109:ALA:N	2.44	0.51
2:Dh:25:GLU:CD	2:Dh:25:GLU:H	2.19	0.51
2:Ih:25:GLU:CD	2:Ih:25:GLU:H	2.19	0.51
2:Jh:61:PRO:HB2	2:Jh:64:LYS:HG3	1.92	0.51
2:Nh:53:TYR:HE1	2:Nh:120:VAL:HG22	1.75	0.51
2:bh:107:THR:O	2:bh:109:ALA:N	2.44	0.51
2:dh:36:THR:HG22	2:dh:104:SER:HA	1.93	0.51
2:fh:36:THR:HG22	2:fh:104:SER:HA	1.93	0.51
2:hh:53:TYR:HE1	2:hh:120:VAL:HG22	1.75	0.51
2:kh:25:GLU:H	2:kh:25:GLU:CD	2.19	0.51
2:sh:107:THR:O	2:sh:109:ALA:N	2.44	0.51
2:th:53:TYR:HE1	2:th:120:VAL:HG22	1.75	0.51
2:wh:25:GLU:CD	2:wh:25:GLU:H	2.19	0.51
2:wh:36:THR:HG22	2:wh:104:SER:HA	1.93	0.51
2:xh:61:PRO:HB2	2:xh:64:LYS:HG3	1.92	0.51
2:xh:107:THR:O	2:xh:109:ALA:N	2.44	0.51
2:yh:25:GLU:CD	2:yh:25:GLU:H	2.19	0.51
2:6h:61:PRO:HB2	2:6h:64:LYS:HG3	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Ll:46:SER:HB3	3:Ll:91:ASN:HD21	1.75	0.51
3:cl:46:SER:HB3	3:cl:91:ASN:HD21	1.75	0.51
3:tl:46:SER:HB3	3:tl:91:ASN:HD21	1.75	0.51
3:Ol:30:GLU:HB3	3:Ol:38:ILE:HD11	1.91	0.51
1:A:484:ARG:HH11	1:A:596:ASN:ND2	2.09	0.51
1:E:484:ARG:HH11	1:E:596:ASN:ND2	2.09	0.51
1:G:566:ARG:HD2	1:p:511:ASN:OD1	2.11	0.51
1:H:484:ARG:HH11	1:H:596:ASN:ND2	2.09	0.51
1:M:479:PRO:O	1:M:604:MET:HG2	2.10	0.51
1:M:511:ASN:OD1	1:y:566:ARG:HD2	2.11	0.51
1:O:566:ARG:HD2	1:w:511:ASN:OD1	2.11	0.51
1:P:484:ARG:HH11	1:P:596:ASN:ND2	2.09	0.51
1:X:479:PRO:O	1:X:604:MET:HG2	2.10	0.51
1:X:484:ARG:HH11	1:X:596:ASN:ND2	2.09	0.51
1:b:484:ARG:HH11	1:b:596:ASN:ND2	2.09	0.51
1:c:484:ARG:HH11	1:c:596:ASN:ND2	2.09	0.51
1:j:484:ARG:HH11	1:j:596:ASN:ND2	2.09	0.51
1:p:566:ARG:HD2	1:4:511:ASN:OD1	2.11	0.51
1:w:657:PRO:HB3	1:w:666:PHE:CZ	2.32	0.51
1:z:484:ARG:HH11	1:z:596:ASN:ND2	2.09	0.51
1:2:479:PRO:O	1:2:604:MET:HG2	2.10	0.51
1:3:484:ARG:HH11	1:3:596:ASN:ND2	2.09	0.51
1:3:657:PRO:HB3	1:3:666:PHE:CZ	2.32	0.51
2:Ch:61:PRO:HB2	2:Ch:64:LYS:HG3	1.92	0.51
2:Dh:36:THR:HG22	2:Dh:104:SER:HA	1.93	0.51
2:Eh:61:PRO:HB2	2:Eh:64:LYS:HG3	1.92	0.51
2:Fh:107:THR:O	2:Fh:109:ALA:N	2.44	0.51
2:Kh:36:THR:HG22	2:Kh:104:SER:HA	1.93	0.51
2:Nh:107:THR:O	2:Nh:109:ALA:N	2.44	0.51
2:Ph:61:PRO:HB2	2:Ph:64:LYS:HG3	1.92	0.51
2:Vh:36:THR:HG22	2:Vh:104:SER:HA	1.93	0.51
2:Vh:107:THR:O	2:Vh:109:ALA:N	2.44	0.51
2:Yh:36:THR:HG22	2:Yh:104:SER:HA	1.93	0.51
2:fh:61:PRO:HB2	2:fh:64:LYS:HG3	1.92	0.51
2:fh:107:THR:O	2:fh:109:ALA:N	2.44	0.51
2:ih:107:THR:O	2:ih:109:ALA:N	2.44	0.51
2:kh:107:THR:O	2:kh:109:ALA:N	2.44	0.51
2:qh:25:GLU:H	2:qh:25:GLU:CD	2.19	0.51
2:th:107:THR:O	2:th:109:ALA:N	2.44	0.51
2:uh:25:GLU:H	2:uh:25:GLU:CD	2.19	0.51
2:3h:107:THR:O	2:3h:109:ALA:N	2.44	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:36:THR:HG22	2:4h:104:SER:HA	1.93	0.51
3:Gl:30:GLU:HB3	3:Gl:38:ILE:HD11	1.91	0.51
3:Sl:30:GLU:HB3	3:Sl:38:ILE:HD11	1.91	0.51
3:sl:31:SER:CA	3:sl:128:THR:O	2.40	0.51
3:7l:46:SER:HB3	3:7l:91:ASN:HD21	1.75	0.51
1:D:566:ARG:HD2	1:Q:511:ASN:OD1	2.11	0.50
1:J:484:ARG:HH11	1:J:596:ASN:ND2	2.09	0.50
1:Q:479:PRO:O	1:Q:604:MET:HG2	2.10	0.50
1:S:479:PRO:O	1:S:604:MET:HG2	2.10	0.50
1:d:511:ASN:OD1	1:w:566:ARG:HD2	2.11	0.50
1:k:479:PRO:O	1:k:604:MET:HG2	2.10	0.50
1:r:484:ARG:HH11	1:r:596:ASN:ND2	2.09	0.50
1:s:479:PRO:O	1:s:604:MET:HG2	2.10	0.50
2:Ah:53:TYR:HE1	2:Ah:120:VAL:HG22	1.75	0.50
2:Ah:107:THR:O	2:Ah:109:ALA:N	2.44	0.50
2:Fh:53:TYR:HE1	2:Fh:120:VAL:HG22	1.75	0.50
2:Hh:36:THR:HG22	2:Hh:104:SER:HA	1.93	0.50
2:Lh:61:PRO:HB2	2:Lh:64:LYS:HG3	1.92	0.50
2:Lh:107:THR:O	2:Lh:109:ALA:N	2.44	0.50
2:Mh:107:THR:O	2:Mh:109:ALA:N	2.44	0.50
2:Ph:107:THR:O	2:Ph:109:ALA:N	2.44	0.50
2:Qh:107:THR:O	2:Qh:109:ALA:N	2.44	0.50
2:Sh:25:GLU:H	2:Sh:25:GLU:CD	2.19	0.50
2:Sh:107:THR:O	2:Sh:109:ALA:N	2.44	0.50
2:Zh:25:GLU:H	2:Zh:25:GLU:CD	2.19	0.50
2:bh:53:TYR:HE1	2:bh:120:VAL:HG22	1.75	0.50
2:ch:107:THR:O	2:ch:109:ALA:N	2.44	0.50
2:ih:53:TYR:HE1	2:ih:120:VAL:HG22	1.75	0.50
2:mh:36:THR:HG22	2:mh:104:SER:HA	1.93	0.50
2:0h:36:THR:HG22	2:0h:104:SER:HA	1.93	0.50
2:6h:25:GLU:CD	2:6h:25:GLU:H	2.19	0.50
3:ml:30:GLU:HB3	3:ml:38:ILE:HD11	1.91	0.50
1:B:511:ASN:OD1	1:6:566:ARG:HD2	2.11	0.50
1:Z:566:ARG:HD2	1:z:511:ASN:OD1	2.11	0.50
1:e:479:PRO:O	1:e:604:MET:HG2	2.10	0.50
1:q:484:ARG:HH11	1:q:596:ASN:ND2	2.09	0.50
1:u:484:ARG:HH11	1:u:596:ASN:ND2	2.09	0.50
2:Ch:25:GLU:CD	2:Ch:25:GLU:H	2.19	0.50
2:Ch:36:THR:HG22	2:Ch:104:SER:HA	1.93	0.50
2:Eh:107:THR:O	2:Eh:109:ALA:N	2.44	0.50
2:Kh:107:THR:O	2:Kh:109:ALA:N	2.44	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Lh:25:GLU:H	2:Lh:25:GLU:CD	2.19	0.50
2:Rh:107:THR:O	2:Rh:109:ALA:N	2.44	0.50
2:Vh:61:PRO:HB2	2:Vh:64:LYS:HG3	1.92	0.50
2:oh:25:GLU:CD	2:oh:25:GLU:H	2.19	0.50
2:ph:107:THR:O	2:ph:109:ALA:N	2.44	0.50
2:vh:25:GLU:H	2:vh:25:GLU:CD	2.19	0.50
2:wh:107:THR:O	2:wh:109:ALA:N	2.44	0.50
2:xh:36:THR:HG22	2:xh:104:SER:HA	1.93	0.50
2:5h:107:THR:O	2:5h:109:ALA:N	2.44	0.50
3:Cl:31:SER:CA	3:Cl:128:THR:O	2.40	0.50
3:Ll:30:GLU:HB3	3:Ll:38:ILE:HD11	1.91	0.50
3:al:46:SER:HB3	3:al:91:ASN:HD21	1.75	0.50
3:zl:53:ASN:ND2	3:zl:53:ASN:N	2.60	0.50
1:E:238:ARG:NH2	1:E:238:ARG:CG	2.73	0.50
1:L:479:PRO:O	1:L:604:MET:HG2	2.10	0.50
1:M:566:ARG:HD2	1:j:511:ASN:OD1	2.11	0.50
1:Q:566:ARG:HD2	1:r:511:ASN:OD1	2.11	0.50
1:T:484:ARG:HH11	1:T:596:ASN:ND2	2.09	0.50
1:Y:710:VAL:O	1:Y:713:THR:OG1	2.27	0.50
1:g:484:ARG:HH11	1:g:596:ASN:ND2	2.09	0.50
1:t:566:ARG:HD2	1:6:511:ASN:OD1	2.11	0.50
1:w:484:ARG:HH11	1:w:596:ASN:ND2	2.09	0.50
2:Jh:25:GLU:H	2:Jh:25:GLU:CD	2.19	0.50
2:Jh:107:THR:O	2:Jh:109:ALA:N	2.44	0.50
2:Sh:61:PRO:HB2	2:Sh:64:LYS:HG3	1.92	0.50
2:ah:36:THR:HG22	2:ah:104:SER:HA	1.93	0.50
2:eh:107:THR:O	2:eh:109:ALA:N	2.44	0.50
2:zh:107:THR:O	2:zh:109:ALA:N	2.44	0.50
2:1h:25:GLU:CD	2:1h:25:GLU:H	2.19	0.50
2:2h:107:THR:O	2:2h:109:ALA:N	2.44	0.50
2:3h:25:GLU:CD	2:3h:25:GLU:H	2.19	0.50
2:7h:36:THR:HG22	2:7h:104:SER:HA	1.93	0.50
3:Bl:53:ASN:ND2	3:Bl:53:ASN:N	2.60	0.50
1:C:484:ARG:HH11	1:C:596:ASN:ND2	2.09	0.50
1:O:324:THR:OG1	2:Oh:130:THR:CG2	2.55	0.50
1:P:238:ARG:NH2	1:P:238:ARG:CG	2.73	0.50
1:S:566:ARG:HD2	1:7:511:ASN:OD1	2.11	0.50
1:V:657:PRO:HB3	1:V:666:PHE:CZ	2.32	0.50
1:d:484:ARG:HH11	1:d:596:ASN:ND2	2.09	0.50
1:m:511:ASN:OD1	1:1:566:ARG:HD2	2.12	0.50
1:n:566:ARG:HD2	1:0:511:ASN:OD1	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:484:ARG:HH11	1:p:596:ASN:ND2	2.09	0.50
1:x:484:ARG:HH11	1:x:596:ASN:ND2	2.09	0.50
1:y:657:PRO:HB3	1:y:666:PHE:CZ	2.32	0.50
1:5:479:PRO:O	1:5:604:MET:HG2	2.10	0.50
2:Ah:48:ILE:HA	2:Ah:55:TRP:CZ2	2.47	0.50
2:Bh:107:THR:O	2:Bh:109:ALA:N	2.44	0.50
2:Eh:48:ILE:HA	2:Eh:55:TRP:CZ2	2.47	0.50
2:Gh:107:THR:O	2:Gh:109:ALA:N	2.44	0.50
2:Jh:48:ILE:HA	2:Jh:55:TRP:CZ2	2.47	0.50
2:Oh:107:THR:O	2:Oh:109:ALA:N	2.44	0.50
2:Ph:48:ILE:HA	2:Ph:55:TRP:CZ2	2.47	0.50
2:Uh:107:THR:O	2:Uh:109:ALA:N	2.44	0.50
2:Xh:25:GLU:H	2:Xh:25:GLU:CD	2.19	0.50
2:Xh:48:ILE:HA	2:Xh:55:TRP:CZ2	2.47	0.50
2:Xh:107:THR:O	2:Xh:109:ALA:N	2.44	0.50
2:bh:106:VAL:CG2	2:bh:110:ASP:CG	2.81	0.50
2:lh:107:THR:O	2:lh:109:ALA:N	2.44	0.50
2:qh:48:ILE:HA	2:qh:55:TRP:CZ2	2.47	0.50
2:th:36:THR:HG22	2:th:104:SER:HA	1.93	0.50
2:th:48:ILE:HA	2:th:55:TRP:CZ2	2.47	0.50
2:uh:48:ILE:HA	2:uh:55:TRP:CZ2	2.47	0.50
2:zh:48:ILE:HA	2:zh:55:TRP:CZ2	2.47	0.50
2:4h:107:THR:O	2:4h:109:ALA:N	2.44	0.50
3:Al:31:SER:CA	3:Al:128:THR:O	2.40	0.50
3:Kl:53:ASN:ND2	3:Kl:53:ASN:N	2.60	0.50
3:Ml:53:ASN:ND2	3:Ml:53:ASN:N	2.60	0.50
3:Ql:53:ASN:ND2	3:Ql:53:ASN:N	2.60	0.50
3:vl:31:SER:CA	3:vl:128:THR:O	2.40	0.50
1:G:324:THR:OG1	2:Gh:130:THR:CG2	2.55	0.50
1:G:511:ASN:OD1	1:4:566:ARG:HD2	2.11	0.50
1:H:710:VAL:O	1:H:713:THR:OG1	2.27	0.50
1:I:566:ARG:HD2	1:2:511:ASN:OD1	2.11	0.50
1:L:566:ARG:HD2	1:a:511:ASN:OD1	2.11	0.50
1:T:710:VAL:O	1:T:713:THR:OG1	2.27	0.50
1:Y:238:ARG:HH21	1:Y:238:ARG:CG	2.14	0.50
1:Z:511:ASN:OD1	1:i:566:ARG:HD2	2.12	0.50
1:e:566:ARG:HD2	1:v:511:ASN:OD1	2.12	0.50
1:g:710:VAL:O	1:g:713:THR:OG1	2.27	0.50
1:k:484:ARG:HH11	1:k:596:ASN:ND2	2.09	0.50
1:l:484:ARG:HH11	1:l:596:ASN:ND2	2.09	0.50
1:o:511:ASN:OD1	1:5:566:ARG:HD2	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:p:657:PRO:HB3	1:p:666:PHE:CZ	2.32	0.50
1:p:710:VAL:O	1:p:713:THR:OG1	2.27	0.50
1:4:484:ARG:HH11	1:4:596:ASN:ND2	2.09	0.50
2:Bh:48:ILE:HA	2:Bh:55:TRP:CZ2	2.47	0.50
2:Dh:48:ILE:HA	2:Dh:55:TRP:CZ2	2.47	0.50
2:Fh:48:ILE:HA	2:Fh:55:TRP:CZ2	2.47	0.50
2:Nh:48:ILE:HA	2:Nh:55:TRP:CZ2	2.47	0.50
2:Th:36:THR:HG22	2:Th:104:SER:HA	1.93	0.50
2:bh:25:GLU:H	2:bh:25:GLU:CD	2.19	0.50
2:bh:48:ILE:HA	2:bh:55:TRP:CZ2	2.47	0.50
2:dh:107:THR:O	2:dh:109:ALA:N	2.44	0.50
2:fh:25:GLU:CD	2:fh:25:GLU:H	2.19	0.50
2:hh:107:THR:O	2:hh:109:ALA:N	2.44	0.50
2:ih:36:THR:HG22	2:ih:104:SER:HA	1.93	0.50
2:ih:48:ILE:HA	2:ih:55:TRP:CZ2	2.47	0.50
2:mh:107:THR:O	2:mh:109:ALA:N	2.44	0.50
2:nh:25:GLU:CD	2:nh:25:GLU:H	2.19	0.50
2:oh:107:THR:O	2:oh:109:ALA:N	2.44	0.50
2:qh:61:PRO:HB2	2:qh:64:LYS:HG3	1.92	0.50
2:sh:36:THR:HG22	2:sh:104:SER:HA	1.93	0.50
2:uh:61:PRO:HB2	2:uh:64:LYS:HG3	1.92	0.50
2:vh:107:THR:O	2:vh:109:ALA:N	2.44	0.50
2:xh:25:GLU:H	2:xh:25:GLU:CD	2.19	0.50
2:yh:48:ILE:HA	2:yh:55:TRP:CZ2	2.47	0.50
2:0h:25:GLU:CD	2:0h:25:GLU:H	2.19	0.50
2:2h:25:GLU:H	2:2h:25:GLU:CD	2.19	0.50
3:Rl:53:ASN:ND2	3:Rl:53:ASN:N	2.60	0.50
3:Sl:53:ASN:ND2	3:Sl:53:ASN:N	2.60	0.50
3:Wl:53:ASN:ND2	3:Wl:53:ASN:N	2.60	0.50
3:al:31:SER:CA	3:al:128:THR:O	2.40	0.50
3:fl:31:SER:CA	3:fl:128:THR:O	2.40	0.50
3:il:53:ASN:ND2	3:il:53:ASN:N	2.60	0.50
3:nl:53:ASN:ND2	3:nl:53:ASN:N	2.60	0.50
3:tl:53:ASN:ND2	3:tl:53:ASN:N	2.60	0.50
1:A:704:TYR:HA	1:j:388:GLY:HA3	1.94	0.50
1:C:511:ASN:OD1	1:R:566:ARG:HD2	2.12	0.50
1:E:511:ASN:OD1	1:V:566:ARG:HD2	2.12	0.50
1:F:511:ASN:OD1	1:q:566:ARG:HD2	2.11	0.50
1:F:566:ARG:HD2	1:U:511:ASN:OD1	2.11	0.50
1:K:566:ARG:HD2	1:x:511:ASN:OD1	2.12	0.50
1:N:657:PRO:HB3	1:N:666:PHE:CZ	2.32	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:566:ARG:HD2	1:l:511:ASN:OD1	2.11	0.50
1:a:238:ARG:NH2	1:a:238:ARG:CG	2.73	0.50
1:s:484:ARG:HH11	1:s:596:ASN:ND2	2.09	0.50
1:s:511:ASN:OD1	1:7:566:ARG:HD2	2.11	0.50
2:Ah:25:GLU:CD	2:Ah:25:GLU:H	2.19	0.50
2:Gh:36:THR:HG22	2:Gh:104:SER:HA	1.93	0.50
2:Ih:36:THR:HG22	2:Ih:104:SER:HA	1.93	0.50
2:Oh:36:THR:HG22	2:Oh:104:SER:HA	1.93	0.50
2:Wh:36:THR:HG22	2:Wh:104:SER:HA	1.93	0.50
2:ch:25:GLU:H	2:ch:25:GLU:CD	2.19	0.50
2:gh:36:THR:HG22	2:gh:104:SER:HA	1.93	0.50
2:lh:25:GLU:CD	2:lh:25:GLU:H	2.19	0.50
2:oh:61:PRO:HB2	2:oh:64:LYS:HG3	1.92	0.50
2:ph:48:ILE:HA	2:ph:55:TRP:CZ2	2.47	0.50
2:qh:107:THR:O	2:qh:109:ALA:N	2.44	0.50
2:uh:107:THR:O	2:uh:109:ALA:N	2.44	0.50
2:0h:107:THR:O	2:0h:109:ALA:N	2.44	0.50
2:4h:25:GLU:H	2:4h:25:GLU:CD	2.19	0.50
3:Ll:53:ASN:ND2	3:Ll:53:ASN:N	2.60	0.50
3:Vl:53:ASN:ND2	3:Vl:53:ASN:N	2.60	0.50
3:fl:53:ASN:ND2	3:fl:53:ASN:N	2.60	0.50
3:1l:53:ASN:ND2	3:1l:53:ASN:N	2.60	0.50
1:B:566:ARG:HD2	1:t:511:ASN:OD1	2.11	0.50
1:O:511:ASN:OD1	1:d:566:ARG:HD2	2.11	0.50
1:U:566:ARG:HD2	1:q:511:ASN:OD1	2.11	0.50
1:e:484:ARG:HH11	1:e:596:ASN:ND2	2.09	0.50
1:i:511:ASN:OD1	1:z:566:ARG:HD2	2.11	0.50
1:v:238:ARG:HH21	1:v:238:ARG:CG	2.14	0.50
1:w:710:VAL:O	1:w:713:THR:OG1	2.27	0.50
1:2:484:ARG:HH11	1:2:596:ASN:ND2	2.09	0.50
1:3:710:VAL:O	1:3:713:THR:OG1	2.27	0.50
1:7:238:ARG:NH2	1:7:238:ARG:CG	2.73	0.50
2:Ah:106:VAL:CG2	2:Ah:110:ASP:CG	2.81	0.50
2:Fh:25:GLU:CD	2:Fh:25:GLU:H	2.19	0.50
2:Ih:48:ILE:HA	2:Ih:55:TRP:CZ2	2.47	0.50
2:Nh:25:GLU:CD	2:Nh:25:GLU:H	2.19	0.50
2:Oh:61:PRO:HB2	2:Oh:64:LYS:HG3	1.92	0.50
2:Qh:48:ILE:HA	2:Qh:55:TRP:CZ2	2.47	0.50
2:Th:25:GLU:CD	2:Th:25:GLU:H	2.19	0.50
2:Wh:48:ILE:HA	2:Wh:55:TRP:CZ2	2.47	0.50
2:ah:25:GLU:CD	2:ah:25:GLU:H	2.19	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:dh:25:GLU:CD	2:dh:25:GLU:H	2.19	0.50
2:eh:48:ILE:HA	2:eh:55:TRP:CZ2	2.47	0.50
2:gh:25:GLU:CD	2:gh:25:GLU:H	2.19	0.50
2:ih:25:GLU:H	2:ih:25:GLU:CD	2.19	0.50
2:kh:36:THR:HG22	2:kh:104:SER:HA	1.93	0.50
2:mh:25:GLU:H	2:mh:25:GLU:CD	2.19	0.50
2:oh:48:ILE:HA	2:oh:55:TRP:CZ2	2.47	0.50
2:sh:48:ILE:HA	2:sh:55:TRP:CZ2	2.47	0.50
2:vh:61:PRO:HB2	2:vh:64:LYS:HG3	1.92	0.50
2:wh:48:ILE:HA	2:wh:55:TRP:CZ2	2.47	0.50
2:wh:61:PRO:HB2	2:wh:64:LYS:HG3	1.92	0.50
3:Il:53:ASN:ND2	3:Il:53:ASN:N	2.60	0.50
3:Tl:53:ASN:ND2	3:Tl:53:ASN:N	2.60	0.50
3:Tl:107:ASP:OD1	3:Tl:126:LYS:HD2	2.12	0.50
3:al:107:ASP:OD1	3:al:126:LYS:HD2	2.12	0.50
3:nl:107:ASP:OD1	3:nl:126:LYS:HD2	2.12	0.50
3:xl:31:SER:CA	3:xl:128:THR:O	2.40	0.50
3:xl:107:ASP:OD1	3:xl:126:LYS:HD2	2.12	0.50
3:1l:107:ASP:OD1	3:1l:126:LYS:HD2	2.12	0.50
3:7l:107:ASP:OD1	3:7l:126:LYS:HD2	2.12	0.50
1:D:657:PRO:HB3	1:D:666:PHE:CZ	2.32	0.50
1:F:484:ARG:HH11	1:F:596:ASN:ND2	2.09	0.50
1:K:511:ASN:OD1	1:b:566:ARG:HD2	2.12	0.50
1:L:238:ARG:NH2	1:L:238:ARG:CG	2.73	0.50
1:N:566:ARG:HD2	1:h:511:ASN:OD1	2.12	0.50
1:S:238:ARG:NH2	1:S:238:ARG:CG	2.73	0.50
1:S:511:ASN:OD1	1:s:566:ARG:HD2	2.11	0.50
1:V:704:TYR:HA	1:x:388:GLY:HA3	1.94	0.50
1:X:511:ASN:OD1	1:2:566:ARG:HD2	2.11	0.50
1:Z:484:ARG:HH11	1:Z:596:ASN:ND2	2.09	0.50
1:a:566:ARG:HD2	1:k:511:ASN:OD1	2.11	0.50
1:o:388:GLY:HA3	1:u:704:TYR:HA	1.94	0.50
1:x:657:PRO:HB3	1:x:666:PHE:CZ	2.32	0.50
1:5:484:ARG:HH11	1:5:596:ASN:ND2	2.09	0.50
1:6:484:ARG:HH11	1:6:596:ASN:ND2	2.09	0.50
2:Dh:69:ILE:CG2	2:Dh:88:VAL:HG11	2.42	0.50
2:Eh:69:ILE:CG2	2:Eh:88:VAL:HG11	2.42	0.50
2:Gh:61:PRO:HB2	2:Gh:64:LYS:HG3	1.92	0.50
2:Kh:106:VAL:CG2	2:Kh:110:ASP:CG	2.81	0.50
2:Mh:48:ILE:HA	2:Mh:55:TRP:CZ2	2.47	0.50
2:Mh:61:PRO:HB2	2:Mh:64:LYS:HG3	1.92	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Qh:61:PRO:HB2	2:Qh:64:LYS:HG3	1.92	0.50
2:Rh:106:VAL:CG2	2:Rh:110:ASP:CG	2.81	0.50
2:Th:107:THR:O	2:Th:109:ALA:N	2.44	0.50
2:Vh:25:GLU:CD	2:Vh:25:GLU:H	2.19	0.50
2:ch:61:PRO:HB2	2:ch:64:LYS:HG3	1.92	0.50
2:dh:48:ILE:HA	2:dh:55:TRP:CZ2	2.47	0.50
2:gh:107:THR:O	2:gh:109:ALA:N	2.44	0.50
2:hh:36:THR:HG22	2:hh:104:SER:HA	1.93	0.50
2:jh:61:PRO:HB2	2:jh:64:LYS:HG3	1.92	0.50
2:kh:48:ILE:HA	2:kh:55:TRP:CZ2	2.47	0.50
2:mh:48:ILE:HA	2:mh:55:TRP:CZ2	2.47	0.50
2:qh:36:THR:HG22	2:qh:104:SER:HA	1.93	0.50
2:rh:61:PRO:HB2	2:rh:64:LYS:HG3	1.92	0.50
2:th:25:GLU:CD	2:th:25:GLU:H	2.19	0.50
2:uh:36:THR:HG22	2:uh:104:SER:HA	1.93	0.50
2:vh:48:ILE:HA	2:vh:55:TRP:CZ2	2.47	0.50
2:yh:69:ILE:CG2	2:yh:88:VAL:HG11	2.42	0.50
2:0h:48:ILE:HA	2:0h:55:TRP:CZ2	2.47	0.50
2:5h:48:ILE:HA	2:5h:55:TRP:CZ2	2.47	0.50
2:7h:25:GLU:H	2:7h:25:GLU:CD	2.19	0.50
3:Al:53:ASN:ND2	3:Al:53:ASN:N	2.60	0.50
3:Cl:107:ASP:OD1	3:Cl:126:LYS:HD2	2.12	0.50
3:Gl:52:TYR:HB2	3:Gl:88:LYS:HE2	1.94	0.50
3:Ol:52:TYR:HB2	3:Ol:88:LYS:HE2	1.94	0.50
3:bl:53:ASN:ND2	3:bl:53:ASN:N	2.60	0.50
3:gl:53:ASN:ND2	3:gl:53:ASN:N	2.60	0.50
3:gl:107:ASP:OD1	3:gl:126:LYS:HD2	2.12	0.50
3:jl:107:ASP:OD1	3:jl:126:LYS:HD2	2.12	0.50
3:pl:107:ASP:OD1	3:pl:126:LYS:HD2	2.12	0.50
3:sl:107:ASP:OD1	3:sl:126:LYS:HD2	2.12	0.50
3:wl:107:ASP:OD1	3:wl:126:LYS:HD2	2.12	0.50
3:ol:107:ASP:OD1	3:ol:126:LYS:HD2	2.12	0.50
1:D:511:ASN:OD1	1:r:566:ARG:HD2	2.11	0.50
1:J:511:ASN:OD1	1:l:566:ARG:HD2	2.12	0.50
1:L:484:ARG:HH11	1:L:596:ASN:ND2	2.09	0.50
1:L:511:ASN:OD1	1:k:566:ARG:HD2	2.11	0.50
1:N:511:ASN:OD1	1:u:566:ARG:HD2	2.12	0.50
1:T:566:ARG:HD2	1:5:511:ASN:OD1	2.12	0.50
1:c:566:ARG:HD2	1:f:511:ASN:OD1	2.11	0.50
1:c:710:VAL:O	1:c:713:THR:OG1	2.27	0.50
1:t:479:PRO:O	1:t:604:MET:HG2	2.10	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:t:710:VAL:O	1:t:713:THR:OG1	2.27	0.50
2:Ph:69:ILE:CG2	2:Ph:88:VAL:HG11	2.42	0.50
2:Uh:36:THR:HG22	2:Uh:104:SER:HA	1.93	0.50
2:Wh:107:THR:O	2:Wh:109:ALA:N	2.44	0.50
2:dh:61:PRO:HB2	2:dh:64:LYS:HG3	1.92	0.50
2:jh:107:THR:O	2:jh:109:ALA:N	2.44	0.50
2:ph:61:PRO:HB2	2:ph:64:LYS:HG3	1.92	0.50
2:vh:69:ILE:CG2	2:vh:88:VAL:HG11	2.42	0.50
2:0h:53:TYR:HE1	2:0h:120:VAL:HG22	1.75	0.50
2:4h:48:ILE:HA	2:4h:55:TRP:CZ2	2.47	0.50
3:Cl:112:SER:O	3:Cl:119:LEU:HD12	2.12	0.50
3:Ol:107:ASP:OD1	3:Ol:126:LYS:HD2	2.12	0.50
3:Sl:31:SER:CA	3:Sl:128:THR:O	2.40	0.50
3:Xl:107:ASP:OD1	3:Xl:126:LYS:HD2	2.12	0.50
3:el:107:ASP:OD1	3:el:126:LYS:HD2	2.12	0.50
3:kl:107:ASP:OD1	3:kl:126:LYS:HD2	2.12	0.50
3:ml:107:ASP:OD1	3:ml:126:LYS:HD2	2.12	0.50
3:rl:107:ASP:OD1	3:rl:126:LYS:HD2	2.12	0.50
3:yl:52:TYR:HB2	3:yl:88:LYS:HE2	1.94	0.50
3:5l:107:ASP:OD1	3:5l:126:LYS:HD2	2.12	0.50
1:C:657:PRO:HB3	1:C:666:PHE:CZ	2.32	0.49
1:F:657:PRO:HB3	1:F:666:PHE:CZ	2.32	0.49
1:H:238:ARG:HH21	1:H:238:ARG:CG	2.14	0.49
1:I:511:ASN:OD1	1:X:566:ARG:HD2	2.12	0.49
1:J:566:ARG:HD2	1:W:511:ASN:OD1	2.12	0.49
1:N:484:ARG:HH11	1:N:596:ASN:ND2	2.09	0.49
1:V:511:ASN:OD1	1:3:566:ARG:HD2	2.12	0.49
1:W:238:ARG:CG	1:W:238:ARG:NH2	2.73	0.49
1:Y:566:ARG:HD2	1:1:511:ASN:OD1	2.11	0.49
1:f:657:PRO:HB3	1:f:666:PHE:CZ	2.32	0.49
1:i:479:PRO:O	1:i:604:MET:HG2	2.10	0.49
2:Eh:25:GLU:H	2:Eh:25:GLU:CD	2.19	0.49
2:Ph:25:GLU:H	2:Ph:25:GLU:CD	2.19	0.49
2:Sh:48:ILE:HA	2:Sh:55:TRP:CZ2	2.47	0.49
2:Th:48:ILE:HA	2:Th:55:TRP:CZ2	2.47	0.49
2:fh:48:ILE:HA	2:fh:55:TRP:CZ2	2.47	0.49
2:gh:48:ILE:HA	2:gh:55:TRP:CZ2	2.47	0.49
2:mh:53:TYR:HE1	2:mh:120:VAL:HG22	1.75	0.49
2:rh:107:THR:O	2:rh:109:ALA:N	2.44	0.49
2:vh:36:THR:HG22	2:vh:104:SER:HA	1.93	0.49
2:zh:25:GLU:H	2:zh:25:GLU:CD	2.19	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Dl:52:TYR:HB2	3:Dl:88:LYS:HE2	1.94	0.49
3:Jl:107:ASP:OD1	3:Jl:126:LYS:HD2	2.12	0.49
3:Jl:112:SER:O	3:Jl:119:LEU:HD12	2.13	0.49
3:Sl:107:ASP:OD1	3:Sl:126:LYS:HD2	2.12	0.49
3:Tl:52:TYR:HB2	3:Tl:88:LYS:HE2	1.94	0.49
3:Vl:31:SER:CA	3:Vl:128:THR:O	2.40	0.49
3:Vl:52:TYR:HB2	3:Vl:88:LYS:HE2	1.94	0.49
3:Xl:112:SER:O	3:Xl:119:LEU:HD12	2.13	0.49
3:bl:112:SER:O	3:bl:119:LEU:HD12	2.12	0.49
3:fl:52:TYR:HB2	3:fl:88:LYS:HE2	1.94	0.49
3:xl:112:SER:O	3:xl:119:LEU:HD12	2.12	0.49
3:7l:112:SER:O	3:7l:119:LEU:HD12	2.12	0.49
1:A:566:ARG:HD2	1:R:511:ASN:OD1	2.12	0.49
1:E:566:ARG:HD2	1:3:511:ASN:OD1	2.12	0.49
1:H:566:ARG:HD2	1:n:511:ASN:OD1	2.12	0.49
1:I:238:ARG:CG	1:I:238:ARG:NH2	2.73	0.49
1:Q:238:ARG:NH2	1:Q:238:ARG:CG	2.73	0.49
1:S:484:ARG:HH11	1:S:596:ASN:ND2	2.09	0.49
1:T:238:ARG:NH2	1:T:238:ARG:CG	2.73	0.49
1:e:511:ASN:OD1	1:g:566:ARG:HD2	2.12	0.49
1:f:484:ARG:HH11	1:f:596:ASN:ND2	2.09	0.49
1:j:566:ARG:HD2	1:y:511:ASN:OD1	2.11	0.49
1:t:484:ARG:HH11	1:t:596:ASN:ND2	2.09	0.49
2:Bh:36:THR:HG22	2:Bh:104:SER:HA	1.93	0.49
2:Dh:107:THR:O	2:Dh:109:ALA:N	2.44	0.49
2:Ih:107:THR:O	2:Ih:109:ALA:N	2.44	0.49
2:Lh:48:ILE:HA	2:Lh:55:TRP:CZ2	2.47	0.49
2:Mh:36:THR:HG22	2:Mh:104:SER:HA	1.93	0.49
2:Oh:48:ILE:HA	2:Oh:55:TRP:CZ2	2.47	0.49
2:Qh:36:THR:HG22	2:Qh:104:SER:HA	1.93	0.49
2:Vh:48:ILE:HA	2:Vh:55:TRP:CZ2	2.47	0.49
2:kh:61:PRO:HB2	2:kh:64:LYS:HG3	1.92	0.49
2:zh:36:THR:HG22	2:zh:104:SER:HA	1.93	0.49
2:3h:61:PRO:HB2	2:3h:64:LYS:HG3	1.92	0.49
2:4h:61:PRO:HB2	2:4h:64:LYS:HG3	1.92	0.49
2:7h:107:THR:O	2:7h:109:ALA:N	2.44	0.49
3:Al:112:SER:O	3:Al:119:LEU:HD12	2.12	0.49
3:Bl:107:ASP:OD1	3:Bl:126:LYS:HD2	2.12	0.49
3:Gl:107:ASP:OD1	3:Gl:126:LYS:HD2	2.12	0.49
3:Kl:52:TYR:HB2	3:Kl:88:LYS:HE2	1.94	0.49
3:Ll:107:ASP:OD1	3:Ll:126:LYS:HD2	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Ml:52:TYR:HB2	3:Ml:88:LYS:HE2	1.94	0.49
3:al:112:SER:O	3:al:119:LEU:HD12	2.12	0.49
3:cl:107:ASP:OD1	3:cl:126:LYS:HD2	2.12	0.49
3:gl:52:TYR:HB2	3:gl:88:LYS:HE2	1.95	0.49
3:ol:31:SER:CA	3:ol:128:THR:O	2.40	0.49
3:xl:52:TYR:HB2	3:xl:88:LYS:HE2	1.94	0.49
3:3l:107:ASP:OD1	3:3l:126:LYS:HD2	2.12	0.49
3:4l:107:ASP:OD1	3:4l:126:LYS:HD2	2.12	0.49
3:5l:112:SER:O	3:5l:119:LEU:HD12	2.12	0.49
1:M:238:ARG:NH2	1:M:238:ARG:CG	2.73	0.49
1:P:566:ARG:HD2	1:c:511:ASN:OD1	2.12	0.49
1:g:238:ARG:NH2	1:g:238:ARG:CG	2.73	0.49
2:Bh:25:GLU:H	2:Bh:25:GLU:CD	2.19	0.49
2:Gh:48:ILE:HA	2:Gh:55:TRP:CZ2	2.47	0.49
2:Yh:25:GLU:CD	2:Yh:25:GLU:H	2.19	0.49
2:ih:106:VAL:CG2	2:ih:110:ASP:CG	2.81	0.49
2:jh:36:THR:HG22	2:jh:104:SER:HA	1.93	0.49
2:nh:36:THR:HG22	2:nh:104:SER:HA	1.93	0.49
2:oh:36:THR:HG22	2:oh:104:SER:HA	1.93	0.49
2:oh:69:ILE:CG2	2:oh:88:VAL:HG11	2.42	0.49
2:rh:36:THR:HG22	2:rh:104:SER:HA	1.93	0.49
2:sh:61:PRO:HB2	2:sh:64:LYS:HG3	1.92	0.49
2:th:106:VAL:CG2	2:th:110:ASP:CG	2.81	0.49
2:yh:107:THR:O	2:yh:109:ALA:N	2.44	0.49
2:3h:36:THR:HG22	2:3h:104:SER:HA	1.93	0.49
3:Cl:52:TYR:HB2	3:Cl:88:LYS:HE2	1.95	0.49
3:Il:107:ASP:OD1	3:Il:126:LYS:HD2	2.12	0.49
3:Ll:77:PRO:HD2	3:Ll:80:VAL:HG21	1.95	0.49
3:Pl:107:ASP:OD1	3:Pl:126:LYS:HD2	2.12	0.49
3:Ql:52:TYR:HB2	3:Ql:88:LYS:HE2	1.94	0.49
3:Rl:52:TYR:HB2	3:Rl:88:LYS:HE2	1.94	0.49
3:Rl:112:SER:O	3:Rl:119:LEU:HD12	2.12	0.49
3:Sl:52:TYR:HB2	3:Sl:88:LYS:HE2	1.94	0.49
3:Xl:53:ASN:ND2	3:Xl:53:ASN:N	2.60	0.49
3:cl:77:PRO:HD2	3:cl:80:VAL:HG21	1.95	0.49
3:dl:107:ASP:OD1	3:dl:126:LYS:HD2	2.12	0.49
3:el:112:SER:O	3:el:119:LEU:HD12	2.13	0.49
3:il:112:SER:O	3:il:119:LEU:HD12	2.12	0.49
3:jl:112:SER:O	3:jl:119:LEU:HD12	2.13	0.49
3:ll:112:SER:O	3:ll:119:LEU:HD12	2.13	0.49
3:rl:112:SER:O	3:rl:119:LEU:HD12	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:tl:112:SER:O	3:tl:119:LEU:HD12	2.13	0.49
3:zl:77:PRO:HD2	3:zl:80:VAL:HG21	1.95	0.49
3:zl:107:ASP:OD1	3:zl:126:LYS:HD2	2.12	0.49
3:2l:112:SER:O	3:2l:119:LEU:HD12	2.13	0.49
1:G:484:ARG:HH11	1:G:596:ASN:ND2	2.09	0.49
1:K:555:GLU:H	1:K:555:GLU:CD	2.17	0.49
1:O:484:ARG:HH11	1:O:596:ASN:ND2	2.09	0.49
1:R:555:GLU:H	1:R:555:GLU:CD	2.17	0.49
1:i:484:ARG:HH11	1:i:596:ASN:ND2	2.09	0.49
1:m:657:PRO:HB3	1:m:666:PHE:CZ	2.32	0.49
2:Hh:25:GLU:H	2:Hh:25:GLU:CD	2.19	0.49
2:Ih:61:PRO:HB2	2:Ih:64:LYS:HG3	1.92	0.49
2:Zh:48:ILE:HA	2:Zh:55:TRP:CZ2	2.47	0.49
2:Zh:107:THR:O	2:Zh:109:ALA:N	2.44	0.49
2:ah:48:ILE:HA	2:ah:55:TRP:CZ2	2.47	0.49
2:ah:107:THR:O	2:ah:109:ALA:N	2.44	0.49
2:ch:36:THR:HG22	2:ch:104:SER:HA	1.93	0.49
2:ch:48:ILE:HA	2:ch:55:TRP:CZ2	2.47	0.49
2:dh:69:ILE:CG2	2:dh:88:VAL:HG11	2.42	0.49
2:lh:48:ILE:HA	2:lh:55:TRP:CZ2	2.47	0.49
2:1h:36:THR:HG22	2:1h:104:SER:HA	1.93	0.49
2:3h:48:ILE:HA	2:3h:55:TRP:CZ2	2.47	0.49
2:6h:48:ILE:HA	2:6h:55:TRP:CZ2	2.47	0.49
2:7h:48:ILE:HA	2:7h:55:TRP:CZ2	2.47	0.49
3:Bl:77:PRO:HD2	3:Bl:80:VAL:HG21	1.95	0.49
3:El:107:ASP:OD1	3:El:126:LYS:HD2	2.12	0.49
3:Jl:53:ASN:ND2	3:Jl:53:ASN:N	2.60	0.49
3:Kl:112:SER:O	3:Kl:119:LEU:HD12	2.12	0.49
3:Ll:52:TYR:HB2	3:Ll:88:LYS:HE2	1.94	0.49
3:Sl:77:PRO:HD2	3:Sl:80:VAL:HG21	1.95	0.49
3:Wl:107:ASP:OD1	3:Wl:126:LYS:HD2	2.12	0.49
3:dl:53:ASN:ND2	3:dl:53:ASN:N	2.60	0.49
3:il:52:TYR:HB2	3:il:88:LYS:HE2	1.94	0.49
3:kl:53:ASN:ND2	3:kl:53:ASN:N	2.60	0.49
3:nl:112:SER:O	3:nl:119:LEU:HD12	2.13	0.49
3:vl:53:ASN:ND2	3:vl:53:ASN:N	2.60	0.49
3:1l:112:SER:O	3:1l:119:LEU:HD12	2.13	0.49
3:2l:52:TYR:HB2	3:2l:88:LYS:HE2	1.94	0.49
3:3l:77:PRO:HD2	3:3l:80:VAL:HG21	1.95	0.49
1:D:484:ARG:HH11	1:D:596:ASN:ND2	2.09	0.49
1:J:704:TYR:HA	1:f:388:GLY:HA3	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:K:484:ARG:HH11	1:K:596:ASN:ND2	2.09	0.49
1:N:704:TYR:HA	1:y:388:GLY:HA3	1.95	0.49
1:Q:484:ARG:HH11	1:Q:596:ASN:ND2	2.09	0.49
1:V:484:ARG:HH11	1:V:596:ASN:ND2	2.09	0.49
1:a:484:ARG:HH11	1:a:596:ASN:ND2	2.09	0.49
1:j:657:PRO:HB3	1:j:666:PHE:CZ	2.32	0.49
1:r:657:PRO:HB3	1:r:666:PHE:CZ	2.32	0.49
1:u:388:GLY:HA3	1:O:704:TYR:HA	1.94	0.49
1:y:484:ARG:HH11	1:y:596:ASN:ND2	2.09	0.49
1:2:578:SER:HB3	1:2:592:THR:HG22	1.95	0.49
1:7:484:ARG:HH11	1:7:596:ASN:ND2	2.09	0.49
2:Mh:25:GLU:H	2:Mh:25:GLU:CD	2.19	0.49
2:Wh:61:PRO:HB2	2:Wh:64:LYS:HG3	1.92	0.49
2:jh:48:ILE:HA	2:jh:55:TRP:CZ2	2.47	0.49
2:1h:48:ILE:HA	2:1h:55:TRP:CZ2	2.47	0.49
2:2h:48:ILE:HA	2:2h:55:TRP:CZ2	2.47	0.49
2:4h:69:ILE:CG2	2:4h:88:VAL:HG11	2.42	0.49
2:6h:107:THR:O	2:6h:109:ALA:N	2.44	0.49
3:Fl:53:ASN:ND2	3:Fl:53:ASN:N	2.60	0.49
3:Ul:107:ASP:OD1	3:Ul:126:LYS:HD2	2.12	0.49
3:Ul:112:SER:O	3:Ul:119:LEU:HD12	2.13	0.49
3:ll:52:TYR:HB2	3:ll:88:LYS:HE2	1.94	0.49
3:ol:53:ASN:ND2	3:ol:53:ASN:N	2.60	0.49
3:tl:52:TYR:HB2	3:tl:88:LYS:HE2	1.94	0.49
3:Ol:53:ASN:ND2	3:Ol:53:ASN:N	2.60	0.49
3:2l:53:ASN:ND2	3:2l:53:ASN:N	2.60	0.49
3:4l:53:ASN:ND2	3:4l:53:ASN:N	2.60	0.49
1:M:484:ARG:HH11	1:M:596:ASN:ND2	2.09	0.49
1:O:578:SER:HB3	1:O:592:THR:HG22	1.95	0.49
1:O:710:VAL:O	1:O:713:THR:OG1	2.27	0.49
1:W:484:ARG:HH11	1:W:596:ASN:ND2	2.09	0.49
1:a:388:GLY:HA3	1:l:704:TYR:HA	1.95	0.49
1:l:578:SER:HB3	1:l:592:THR:HG22	1.95	0.49
1:o:484:ARG:HH11	1:o:596:ASN:ND2	2.09	0.49
1:2:704:TYR:HA	1:7:388:GLY:HA3	1.95	0.49
2:hh:25:GLU:H	2:hh:25:GLU:CD	2.19	0.49
2:nh:48:ILE:HA	2:nh:55:TRP:CZ2	2.47	0.49
2:5h:25:GLU:H	2:5h:25:GLU:CD	2.19	0.49
3:Hl:107:ASP:OD1	3:Hl:126:LYS:HD2	2.12	0.49
3:Kl:107:ASP:OD1	3:Kl:126:LYS:HD2	2.12	0.49
3:MI:112:SER:O	3:MI:119:LEU:HD12	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Nl:53:ASN:ND2	3:Nl:53:ASN:N	2.60	0.49
3:Ol:77:PRO:HD2	3:Ol:80:VAL:HG21	1.95	0.49
3:Pl:52:TYR:HB2	3:Pl:88:LYS:HE2	1.94	0.49
3:Ql:112:SER:O	3:Ql:119:LEU:HD12	2.13	0.49
3:Rl:107:ASP:OD1	3:Rl:126:LYS:HD2	2.12	0.49
3:Tl:77:PRO:HD2	3:Tl:80:VAL:HG21	1.95	0.49
3:Vl:77:PRO:HD2	3:Vl:80:VAL:HG21	1.95	0.49
3:Zl:107:ASP:OD1	3:Zl:126:LYS:HD2	2.12	0.49
3:hl:107:ASP:OD1	3:hl:126:LYS:HD2	2.12	0.49
3:hl:112:SER:O	3:hl:119:LEU:HD12	2.13	0.49
3:kl:77:PRO:HD2	3:kl:80:VAL:HG21	1.95	0.49
3:ll:53:ASN:ND2	3:ll:53:ASN:N	2.60	0.49
3:nl:77:PRO:HD2	3:nl:80:VAL:HG21	1.95	0.49
3:pl:52:TYR:HB2	3:pl:88:LYS:HE2	1.94	0.49
3:pl:112:SER:O	3:pl:119:LEU:HD12	2.13	0.49
3:sl:53:ASN:ND2	3:sl:53:ASN:N	2.60	0.49
3:sl:77:PRO:HD2	3:sl:80:VAL:HG21	1.95	0.49
3:wl:112:SER:O	3:wl:119:LEU:HD12	2.13	0.49
1:D:388:GLY:HA3	1:F:704:TYR:HA	1.95	0.49
1:F:388:GLY:HA3	1:e:704:TYR:HA	1.95	0.49
1:G:578:SER:HB3	1:G:592:THR:HG22	1.95	0.49
1:I:484:ARG:HH11	1:I:596:ASN:ND2	2.09	0.49
1:K:710:VAL:O	1:K:713:THR:OG1	2.27	0.49
1:R:484:ARG:HH11	1:R:596:ASN:ND2	2.09	0.49
1:Y:511:ASN:OD1	1:m:566:ARG:HD2	2.11	0.49
1:b:511:ASN:OD1	1:x:566:ARG:HD2	2.12	0.49
1:e:578:SER:HB3	1:e:592:THR:HG22	1.95	0.49
1:5:578:SER:HB3	1:5:592:THR:HG22	1.95	0.49
2:Kh:48:ILE:HA	2:Kh:55:TRP:CZ2	2.47	0.49
2:Qh:25:GLU:CD	2:Qh:25:GLU:H	2.19	0.49
2:rh:48:ILE:HA	2:rh:55:TRP:CZ2	2.47	0.49
2:rh:106:VAL:CG2	2:rh:110:ASP:CG	2.81	0.49
3:El:52:TYR:HB2	3:El:88:LYS:HE2	1.94	0.49
3:Hl:52:TYR:HB2	3:Hl:88:LYS:HE2	1.94	0.49
3:HI:112:SER:O	3:HI:119:LEU:HD12	2.12	0.49
3:Jl:52:TYR:HB2	3:Jl:88:LYS:HE2	1.94	0.49
3:Ll:112:SER:O	3:Ll:119:LEU:HD12	2.13	0.49
3:Vl:112:SER:O	3:Vl:119:LEU:HD12	2.12	0.49
3:Yl:112:SER:O	3:Yl:119:LEU:HD12	2.13	0.49
3:el:77:PRO:HD2	3:el:80:VAL:HG21	1.95	0.49
3:fl:77:PRO:HD2	3:fl:80:VAL:HG21	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:hl:77:PRO:HD2	3:hl:80:VAL:HG21	1.95	0.49
3:ml:53:ASN:ND2	3:ml:53:ASN:N	2.60	0.49
3:ol:52:TYR:HB2	3:ol:88:LYS:HE2	1.94	0.49
3:rl:77:PRO:HD2	3:rl:80:VAL:HG21	1.95	0.49
3:wl:52:TYR:HB2	3:wl:88:LYS:HE2	1.94	0.49
3:1l:77:PRO:HD2	3:1l:80:VAL:HG21	1.95	0.49
3:6l:107:ASP:OD1	3:6l:126:LYS:HD2	2.12	0.49
1:A:388:GLY:HA3	1:4:704:TYR:HA	1.95	0.49
1:C:388:GLY:HA3	1:f:704:TYR:HA	1.95	0.49
1:C:578:SER:HB3	1:C:592:THR:HG22	1.95	0.49
1:H:511:ASN:OD1	1:0:566:ARG:HD2	2.11	0.49
1:q:704:TYR:HA	1:v:388:GLY:HA3	1.95	0.49
1:v:484:ARG:HH11	1:v:596:ASN:ND2	2.09	0.49
1:x:578:SER:HB3	1:x:592:THR:HG22	1.95	0.49
1:0:657:PRO:HB3	1:0:666:PHE:CZ	2.32	0.49
2:Ch:48:ILE:HA	2:Ch:55:TRP:CZ2	2.47	0.49
2:Uh:25:GLU:H	2:Uh:25:GLU:CD	2.19	0.49
2:eh:25:GLU:H	2:eh:25:GLU:CD	2.19	0.49
2:xh:48:ILE:HA	2:xh:55:TRP:CZ2	2.47	0.49
3:Bl:112:SER:O	3:Bl:119:LEU:HD12	2.12	0.49
3:Cl:53:ASN:ND2	3:Cl:53:ASN:N	2.60	0.49
3:Dl:53:ASN:ND2	3:Dl:53:ASN:N	2.60	0.49
3:El:112:SER:O	3:El:119:LEU:HD12	2.13	0.49
3:Fl:77:PRO:HD2	3:Fl:80:VAL:HG21	1.95	0.49
3:Gl:77:PRO:HD2	3:Gl:80:VAL:HG21	1.95	0.49
3:Jl:77:PRO:HD2	3:Jl:80:VAL:HG21	1.95	0.49
3:Nl:77:PRO:HD2	3:Nl:80:VAL:HG21	1.95	0.49
3:Rl:77:PRO:HD2	3:Rl:80:VAL:HG21	1.95	0.49
3:Sl:112:SER:O	3:Sl:119:LEU:HD12	2.13	0.49
3:Tl:112:SER:O	3:Tl:119:LEU:HD12	2.13	0.49
3:Ul:77:PRO:HD2	3:Ul:80:VAL:HG21	1.95	0.49
3:Xl:52:TYR:HB2	3:Xl:88:LYS:HE2	1.94	0.49
3:Xl:77:PRO:HD2	3:Xl:80:VAL:HG21	1.95	0.49
3:Yl:52:TYR:HB2	3:Yl:88:LYS:HE2	1.94	0.49
3:Yl:107:ASP:OD1	3:Yl:126:LYS:HD2	2.12	0.49
3:Zl:77:PRO:HD2	3:Zl:80:VAL:HG21	1.95	0.49
3:al:77:PRO:HD2	3:al:80:VAL:HG21	1.95	0.49
3:bl:77:PRO:HD2	3:bl:80:VAL:HG21	1.95	0.49
3:gl:112:SER:O	3:gl:119:LEU:HD12	2.12	0.49
3:jl:77:PRO:HD2	3:jl:80:VAL:HG21	1.95	0.49
3:ll:107:ASP:OD1	3:ll:126:LYS:HD2	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:ol:107:ASP:OD1	3:ol:126:LYS:HD2	2.12	0.49
3:ul:112:SER:O	3:ul:119:LEU:HD12	2.13	0.49
3:vl:52:TYR:HB2	3:vl:88:LYS:HE2	1.94	0.49
3:zl:112:SER:O	3:zl:119:LEU:HD12	2.12	0.49
3:5l:77:PRO:HD2	3:5l:80:VAL:HG21	1.95	0.49
3:7l:77:PRO:HD2	3:7l:80:VAL:HG21	1.95	0.49
1:G:704:TYR:HA	1:L:388:GLY:HA3	1.95	0.49
1:G:710:VAL:O	1:G:713:THR:OG1	2.27	0.49
1:J:388:GLY:HA3	1:L:704:TYR:HA	1.95	0.49
1:N:388:GLY:HA3	1:5:704:TYR:HA	1.95	0.49
1:O:388:GLY:HA3	1:x:704:TYR:HA	1.95	0.49
1:S:704:TYR:HA	1:X:388:GLY:HA3	1.95	0.49
1:U:710:VAL:O	1:U:713:THR:OG1	2.27	0.49
1:a:704:TYR:HA	1:e:388:GLY:HA3	1.95	0.49
1:w:578:SER:HB3	1:w:592:THR:HG22	1.95	0.49
1:y:578:SER:HB3	1:y:592:THR:HG22	1.95	0.49
1:0:578:SER:HB3	1:0:592:THR:HG22	1.95	0.49
1:0:710:VAL:O	1:0:713:THR:OG1	2.27	0.49
1:1:710:VAL:O	1:1:713:THR:OG1	2.27	0.49
1:5:388:GLY:HA3	1:7:704:TYR:HA	1.95	0.49
2:Fh:69:ILE:CG2	2:Fh:88:VAL:HG11	2.42	0.49
2:Hh:48:ILE:HA	2:Hh:55:TRP:CZ2	2.47	0.49
2:Rh:48:ILE:HA	2:Rh:55:TRP:CZ2	2.47	0.49
2:vh:31:VAL:HG21	2:vh:37:LEU:HD22	1.95	0.49
3:Al:107:ASP:OD1	3:Al:126:LYS:HD2	2.12	0.49
3:Dl:112:SER:O	3:Dl:119:LEU:HD12	2.13	0.49
3:Kl:77:PRO:HD2	3:Kl:80:VAL:HG21	1.95	0.49
3:dl:112:SER:O	3:dl:119:LEU:HD12	2.12	0.49
3:fl:107:ASP:OD1	3:fl:126:LYS:HD2	2.12	0.49
3:fl:112:SER:O	3:fl:119:LEU:HD12	2.12	0.49
3:gl:77:PRO:HD2	3:gl:80:VAL:HG21	1.95	0.49
3:ql:107:ASP:OD1	3:ql:126:LYS:HD2	2.12	0.49
3:ql:112:SER:O	3:ql:119:LEU:HD12	2.13	0.49
3:vl:107:ASP:OD1	3:vl:126:LYS:HD2	2.12	0.49
3:xl:53:ASN:ND2	3:xl:53:ASN:N	2.60	0.49
3:yl:53:ASN:ND2	3:yl:53:ASN:N	2.60	0.49
3:6l:77:PRO:HD2	3:6l:80:VAL:HG21	1.95	0.49
1:C:704:TYR:HA	1:G:388:GLY:HA3	1.95	0.49
1:D:578:SER:HB3	1:D:592:THR:HG22	1.95	0.49
1:E:578:SER:HB3	1:E:592:THR:HG22	1.95	0.49
1:O:704:TYR:HA	1:S:388:GLY:HA3	1.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:578:SER:HB3	1:P:592:THR:HG22	1.95	0.49
1:R:710:VAL:O	1:R:713:THR:OG1	2.27	0.49
1:V:388:GLY:HA3	1:X:704:TYR:HA	1.95	0.49
1:b:704:TYR:HA	1:r:388:GLY:HA3	1.95	0.49
1:k:710:VAL:O	1:k:713:THR:OG1	2.27	0.49
1:m:578:SER:HB3	1:m:592:THR:HG22	1.95	0.49
1:m:704:TYR:HA	1:q:388:GLY:HA3	1.95	0.49
1:m:710:VAL:O	1:m:713:THR:OG1	2.27	0.49
1:p:578:SER:HB3	1:p:592:THR:HG22	1.95	0.49
2:Hh:31:VAL:HG21	2:Hh:37:LEU:HD22	1.95	0.49
2:Uh:31:VAL:HG21	2:Uh:37:LEU:HD22	1.95	0.49
2:Yh:48:ILE:HA	2:Yh:55:TRP:CZ2	2.47	0.49
2:eh:69:ILE:CG2	2:eh:88:VAL:HG11	2.42	0.49
2:hh:31:VAL:HG21	2:hh:37:LEU:HD22	1.95	0.49
2:mh:69:ILE:CG2	2:mh:88:VAL:HG11	2.42	0.49
2:uh:69:ILE:CG2	2:uh:88:VAL:HG11	2.42	0.49
3:Al:77:PRO:HD2	3:Al:80:VAL:HG21	1.95	0.49
3:Pl:53:ASN:ND2	3:Pl:53:ASN:N	2.60	0.49
3:Pl:112:SER:O	3:Pl:119:LEU:HD12	2.13	0.49
3:Zl:112:SER:O	3:Zl:119:LEU:HD12	2.13	0.49
3:ul:107:ASP:OD1	3:ul:126:LYS:HD2	2.12	0.49
3:yl:112:SER:O	3:yl:119:LEU:HD12	2.13	0.49
3:Ol:31:SER:CA	3:Ol:128:THR:O	2.40	0.49
3:Il:52:TYR:HB2	3:Il:88:LYS:HE2	1.94	0.49
3:2l:107:ASP:OD1	3:2l:126:LYS:HD2	2.12	0.49
3:4l:112:SER:O	3:4l:119:LEU:HD12	2.12	0.49
3:7l:52:TYR:HB2	3:7l:88:LYS:HE2	1.94	0.49
1:A:511:ASN:OD1	1:C:566:ARG:HD2	2.12	0.48
1:H:388:GLY:HA3	1:h:704:TYR:HA	1.95	0.48
1:S:578:SER:HB3	1:S:592:THR:HG22	1.95	0.48
1:a:657:PRO:HB3	1:a:666:PHE:CZ	2.32	0.48
1:d:710:VAL:O	1:d:713:THR:OG1	2.27	0.48
1:f:578:SER:HB3	1:f:592:THR:HG22	1.95	0.48
1:h:710:VAL:O	1:h:713:THR:OG1	2.27	0.48
1:k:578:SER:HB3	1:k:592:THR:HG22	1.95	0.48
1:q:710:VAL:O	1:q:713:THR:OG1	2.27	0.48
1:s:578:SER:HB3	1:s:592:THR:HG22	1.95	0.48
1:s:710:VAL:O	1:s:713:THR:OG1	2.27	0.48
2:Yh:31:VAL:HG21	2:Yh:37:LEU:HD22	1.95	0.48
2:hh:48:ILE:HA	2:hh:55:TRP:CZ2	2.47	0.48
2:oh:31:VAL:HG21	2:oh:37:LEU:HD22	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:qh:69:ILE:CG2	2:qh:88:VAL:HG11	2.42	0.48
2:zh:107:THR:O	2:zh:108:ALA:C	2.56	0.48
3:Bl:52:TYR:HB2	3:Bl:88:LYS:HE2	1.94	0.48
3:El:53:ASN:ND2	3:El:53:ASN:N	2.60	0.48
3:Gl:112:SER:O	3:Gl:119:LEU:HD12	2.13	0.48
3:Vl:107:ASP:OD1	3:Vl:126:LYS:HD2	2.12	0.48
3:Wl:52:TYR:HB2	3:Wl:88:LYS:HE2	1.94	0.48
3:Zl:52:TYR:HB2	3:Zl:88:LYS:HE2	1.94	0.48
3:bl:107:ASP:OD1	3:bl:126:LYS:HD2	2.12	0.48
3:kl:112:SER:O	3:kl:119:LEU:HD12	2.13	0.48
3:sl:112:SER:O	3:sl:119:LEU:HD12	2.13	0.48
3:tl:107:ASP:OD1	3:tl:126:LYS:HD2	2.12	0.48
3:yl:107:ASP:OD1	3:yl:126:LYS:HD2	2.12	0.48
1:D:710:VAL:O	1:D:713:THR:OG1	2.27	0.48
1:J:578:SER:HB3	1:J:592:THR:HG22	1.95	0.48
1:U:704:TYR:HA	1:Y:388:GLY:HA3	1.95	0.48
1:V:578:SER:HB3	1:V:592:THR:HG22	1.95	0.48
1:W:578:SER:HB3	1:W:592:THR:HG22	1.95	0.48
1:Y:578:SER:HB3	1:Y:592:THR:HG22	1.95	0.48
1:g:511:ASN:OD1	1:v:566:ARG:HD2	2.12	0.48
1:n:710:VAL:O	1:n:713:THR:OG1	2.27	0.48
1:7:578:SER:HB3	1:7:592:THR:HG22	1.95	0.48
2:Nh:69:ILE:CG2	2:Nh:88:VAL:HG11	2.42	0.48
2:Ph:31:VAL:HG21	2:Ph:37:LEU:HD22	1.95	0.48
2:Uh:48:ILE:HA	2:Uh:55:TRP:CZ2	2.47	0.48
2:Zh:107:THR:O	2:Zh:108:ALA:C	2.56	0.48
2:ch:69:ILE:CG2	2:ch:88:VAL:HG11	2.42	0.48
2:jh:106:VAL:CG2	2:jh:110:ASP:CG	2.81	0.48
2:0h:69:ILE:CG2	2:0h:88:VAL:HG11	2.42	0.48
2:5h:69:ILE:CG2	2:5h:88:VAL:HG11	2.42	0.48
2:6h:107:THR:O	2:6h:108:ALA:C	2.56	0.48
3:Dl:77:PRO:HD2	3:Dl:80:VAL:HG21	1.95	0.48
3:Mi:107:ASP:OD1	3:Mi:126:LYS:HD2	2.12	0.48
3:Nl:107:ASP:OD1	3:Nl:126:LYS:HD2	2.12	0.48
3:Ol:112:SER:O	3:Ol:119:LEU:HD12	2.13	0.48
3:Ul:52:TYR:HB2	3:Ul:88:LYS:HE2	1.94	0.48
3:al:52:TYR:HB2	3:al:88:LYS:HE2	1.94	0.48
3:bl:52:TYR:HB2	3:bl:88:LYS:HE2	1.94	0.48
3:cl:52:TYR:HB2	3:cl:88:LYS:HE2	1.94	0.48
3:hl:52:TYR:HB2	3:hl:88:LYS:HE2	1.94	0.48
3:kl:52:TYR:HB2	3:kl:88:LYS:HE2	1.94	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:nl:52:TYR:HB2	3:nl:88:LYS:HE2	1.94	0.48
3:ql:52:TYR:HB2	3:ql:88:LYS:HE2	1.94	0.48
3:ul:52:TYR:HB2	3:ul:88:LYS:HE2	1.94	0.48
3:yl:77:PRO:HD2	3:yl:80:VAL:HG21	1.95	0.48
3:3l:52:TYR:HB2	3:3l:88:LYS:HE2	1.94	0.48
3:6l:52:TYR:HB2	3:6l:88:LYS:HE2	1.94	0.48
3:6l:112:SER:O	3:6l:119:LEU:HD12	2.13	0.48
1:H:578:SER:HB3	1:H:592:THR:HG22	1.95	0.48
1:I:578:SER:HB3	1:I:592:THR:HG22	1.95	0.48
1:L:578:SER:HB3	1:L:592:THR:HG22	1.95	0.48
1:P:578:SER:HB3	1:P:592:THR:HG21	1.96	0.48
1:T:511:ASN:OD1	1:o:566:ARG:HD2	2.12	0.48
1:b:388:GLY:HA3	1:d:704:TYR:HA	1.95	0.48
1:e:578:SER:HB3	1:e:592:THR:HG21	1.96	0.48
1:y:710:VAL:O	1:y:713:THR:OG1	2.27	0.48
1:7:657:PRO:HB3	1:7:666:PHE:CZ	2.32	0.48
2:Bh:107:THR:O	2:Bh:108:ALA:C	2.57	0.48
2:Dh:107:THR:O	2:Dh:108:ALA:C	2.57	0.48
2:Eh:31:VAL:HG21	2:Eh:37:LEU:HD22	1.95	0.48
2:ch:106:VAL:CG2	2:ch:110:ASP:CG	2.81	0.48
2:ih:107:THR:O	2:ih:108:ALA:C	2.57	0.48
2:th:107:THR:O	2:th:108:ALA:C	2.57	0.48
3:Dl:107:ASP:OD1	3:Dl:126:LYS:HD2	2.12	0.48
3:Fl:107:ASP:OD1	3:Fl:126:LYS:HD2	2.12	0.48
3:Il:52:TYR:HB2	3:Il:88:LYS:HE2	1.94	0.48
3:Il:112:SER:O	3:Il:119:LEU:HD12	2.13	0.48
3:Ql:107:ASP:OD1	3:Ql:126:LYS:HD2	2.12	0.48
3:Wl:112:SER:O	3:Wl:119:LEU:HD12	2.12	0.48
3:cl:112:SER:O	3:cl:119:LEU:HD12	2.13	0.48
3:il:107:ASP:OD1	3:il:126:LYS:HD2	2.12	0.48
3:ml:112:SER:O	3:ml:119:LEU:HD12	2.12	0.48
3:pl:31:SER:CA	3:pl:128:THR:O	2.40	0.48
3:rl:31:SER:CA	3:rl:128:THR:O	2.40	0.48
1:E:578:SER:HB3	1:E:592:THR:HG21	1.96	0.48
1:O:555:GLU:H	1:O:555:GLU:CD	2.17	0.48
1:U:388:GLY:HA3	1:r:704:TYR:HA	1.95	0.48
1:V:238:ARG:NH2	1:V:238:ARG:CG	2.73	0.48
1:X:578:SER:HB3	1:X:592:THR:HG22	1.95	0.48
1:Z:704:TYR:HA	1:m:388:GLY:HA3	1.95	0.48
1:a:578:SER:HB3	1:a:592:THR:HG22	1.95	0.48
1:f:238:ARG:NH2	1:f:238:ARG:CG	2.73	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:704:TYR:HA	1:6:388:GLY:HA3	1.95	0.48
1:p:578:SER:HB3	1:p:592:THR:HG21	1.96	0.48
1:s:578:SER:HB3	1:s:592:THR:HG21	1.96	0.48
1:u:710:VAL:O	1:u:713:THR:OG1	2.27	0.48
1:v:710:VAL:O	1:v:713:THR:OG1	2.27	0.48
1:w:578:SER:HB3	1:w:592:THR:HG21	1.96	0.48
1:4:710:VAL:O	1:4:713:THR:OG1	2.27	0.48
1:5:578:SER:HB3	1:5:592:THR:HG21	1.96	0.48
2:Fh:31:VAL:HG21	2:Fh:37:LEU:HD22	1.95	0.48
2:Kh:31:VAL:HG21	2:Kh:37:LEU:HD22	1.95	0.48
2:Nh:31:VAL:HG21	2:Nh:37:LEU:HD22	1.95	0.48
2:Rh:31:VAL:HG21	2:Rh:37:LEU:HD22	1.95	0.48
2:th:69:ILE:CG2	2:th:88:VAL:HG11	2.42	0.48
2:yh:107:THR:O	2:yh:108:ALA:C	2.57	0.48
2:3h:107:THR:O	2:3h:108:ALA:C	2.56	0.48
3:Fl:112:SER:O	3:Fl:119:LEU:HD12	2.13	0.48
3:Ml:77:PRO:HD2	3:Ml:80:VAL:HG21	1.95	0.48
3:Nl:112:SER:O	3:Nl:119:LEU:HD12	2.13	0.48
3:jl:31:SER:CA	3:jl:128:THR:O	2.40	0.48
3:sl:52:TYR:HB2	3:sl:88:LYS:HE2	1.94	0.48
3:wl:77:PRO:HD2	3:wl:80:VAL:HG21	1.95	0.48
3:zl:52:TYR:HB2	3:zl:88:LYS:HE2	1.94	0.48
3:3l:112:SER:O	3:3l:119:LEU:HD12	2.13	0.48
1:B:704:TYR:HA	1:g:388:GLY:HA3	1.95	0.48
1:D:704:TYR:HA	1:l:388:GLY:HA3	1.95	0.48
1:G:238:ARG:NH2	1:G:238:ARG:CG	2.73	0.48
1:M:704:TYR:HA	1:R:388:GLY:HA3	1.95	0.48
1:O:238:ARG:NH2	1:O:238:ARG:CG	2.73	0.48
1:T:388:GLY:HA3	1:z:704:TYR:HA	1.95	0.48
1:Z:388:GLY:HA3	1:t:704:TYR:HA	1.95	0.48
1:g:578:SER:HB3	1:g:592:THR:HG22	1.95	0.48
1:h:388:GLY:HA3	1:j:704:TYR:HA	1.95	0.48
1:k:578:SER:HB3	1:k:592:THR:HG21	1.96	0.48
1:n:578:SER:HB3	1:n:592:THR:HG21	1.96	0.48
1:o:657:PRO:HB3	1:o:666:PHE:CZ	2.32	0.48
1:s:704:TYR:HA	1:w:388:GLY:HA3	1.95	0.48
1:y:704:TYR:HA	1:2:388:GLY:HA3	1.95	0.48
1:0:388:GLY:HA3	1:6:704:TYR:HA	1.95	0.48
1:1:578:SER:HB3	1:1:592:THR:HG21	1.96	0.48
1:2:555:GLU:H	1:2:555:GLU:CD	2.17	0.48
2:Ch:31:VAL:HG21	2:Ch:37:LEU:HD22	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Hh:69:ILE:CG2	2:Hh:88:VAL:HG11	2.42	0.48
2:Jh:31:VAL:HG21	2:Jh:37:LEU:HD22	1.95	0.48
2:Mh:31:VAL:HG21	2:Mh:37:LEU:HD22	1.95	0.48
2:Yh:69:ILE:CG2	2:Yh:88:VAL:HG11	2.42	0.48
2:ch:31:VAL:HG21	2:ch:37:LEU:HD22	1.95	0.48
2:ch:107:THR:O	2:ch:108:ALA:C	2.56	0.48
2:ih:69:ILE:CG2	2:ih:88:VAL:HG11	2.42	0.48
2:oh:30:LEU:C	2:oh:30:LEU:HD23	2.39	0.48
2:uh:30:LEU:HD23	2:uh:30:LEU:C	2.39	0.48
2:xh:31:VAL:HG21	2:xh:37:LEU:HD22	1.95	0.48
2:3h:31:VAL:HG21	2:3h:37:LEU:HD22	1.95	0.48
2:3h:69:ILE:CG2	2:3h:88:VAL:HG11	2.42	0.48
3:pl:77:PRO:HD2	3:pl:80:VAL:HG21	1.95	0.48
3:vl:112:SER:O	3:vl:119:LEU:HD12	2.12	0.48
3:ol:112:SER:O	3:ol:119:LEU:HD12	2.13	0.48
1:G:555:GLU:H	1:G:555:GLU:CD	2.17	0.48
1:K:388:GLY:HA3	1:Q:704:TYR:HA	1.95	0.48
1:M:578:SER:HB3	1:M:592:THR:HG22	1.95	0.48
1:U:578:SER:HB3	1:U:592:THR:HG22	1.95	0.48
1:X:657:PRO:HB3	1:X:666:PHE:CZ	2.32	0.48
1:a:710:VAL:O	1:a:713:THR:OG1	2.27	0.48
1:k:704:TYR:HA	1:p:388:GLY:HA3	1.95	0.48
1:l:555:GLU:H	1:l:555:GLU:CD	2.17	0.48
1:5:710:VAL:O	1:5:713:THR:OG1	2.27	0.48
2:Ch:106:VAL:CG2	2:Ch:110:ASP:CG	2.81	0.48
2:Eh:30:LEU:HD23	2:Eh:30:LEU:C	2.39	0.48
2:Fh:30:LEU:HD23	2:Fh:30:LEU:C	2.39	0.48
2:Gh:31:VAL:HG21	2:Gh:37:LEU:HD22	1.95	0.48
2:Nh:30:LEU:HD23	2:Nh:30:LEU:C	2.39	0.48
2:Ph:30:LEU:HD23	2:Ph:30:LEU:C	2.39	0.48
2:Qh:31:VAL:HG21	2:Qh:37:LEU:HD22	1.95	0.48
2:Sh:106:VAL:CG2	2:Sh:110:ASP:CG	2.81	0.48
2:Xh:31:VAL:HG21	2:Xh:37:LEU:HD22	1.95	0.48
2:jh:30:LEU:C	2:jh:30:LEU:HD23	2.39	0.48
2:mh:30:LEU:HD23	2:mh:30:LEU:C	2.39	0.48
2:qh:30:LEU:HD23	2:qh:30:LEU:C	2.39	0.48
2:qh:31:VAL:HG21	2:qh:37:LEU:HD22	1.95	0.48
2:rh:30:LEU:C	2:rh:30:LEU:HD23	2.39	0.48
2:vh:30:LEU:HD23	2:vh:30:LEU:C	2.39	0.48
2:6h:69:ILE:CG2	2:6h:88:VAL:HG11	2.42	0.48
3:Al:52:TYR:HB2	3:Al:88:LYS:HE2	1.94	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Cl:40:ILE:HD12	3:Cl:95:LEU:HD23	1.96	0.48
3:El:77:PRO:HD2	3:El:80:VAL:HG21	1.95	0.48
3:Hl:77:PRO:HD2	3:Hl:80:VAL:HG21	1.95	0.48
3:Ql:77:PRO:HD2	3:Ql:80:VAL:HG21	1.95	0.48
3:ql:77:PRO:HD2	3:ql:80:VAL:HG21	1.95	0.48
3:xl:40:ILE:HD12	3:xl:95:LEU:HD23	1.96	0.48
3:4l:52:TYR:HB2	3:4l:88:LYS:HE2	1.94	0.48
1:I:578:SER:HB3	1:I:592:THR:HG21	1.96	0.48
1:Q:578:SER:HB3	1:Q:592:THR:HG22	1.95	0.48
1:T:578:SER:HB3	1:T:592:THR:HG22	1.95	0.48
1:a:578:SER:HB3	1:a:592:THR:HG21	1.96	0.48
1:o:710:VAL:O	1:o:713:THR:OG1	2.27	0.48
1:r:555:GLU:H	1:r:555:GLU:CD	2.17	0.48
1:t:388:GLY:HA3	1:v:704:TYR:HA	1.95	0.48
1:v:657:PRO:HB3	1:v:666:PHE:CZ	2.32	0.48
1:w:555:GLU:H	1:w:555:GLU:CD	2.17	0.48
1:7:578:SER:HB3	1:7:592:THR:HG21	1.96	0.48
1:7:710:VAL:O	1:7:713:THR:OG1	2.27	0.48
2:Ih:30:LEU:HD23	2:Ih:30:LEU:C	2.39	0.48
2:Jh:107:THR:O	2:Jh:108:ALA:C	2.57	0.48
2:Mh:106:VAL:CG2	2:Mh:110:ASP:CG	2.81	0.48
2:Mh:107:THR:O	2:Mh:108:ALA:C	2.56	0.48
2:Oh:31:VAL:HG21	2:Oh:37:LEU:HD22	1.95	0.48
2:Vh:30:LEU:HD23	2:Vh:30:LEU:C	2.39	0.48
2:Wh:30:LEU:C	2:Wh:30:LEU:HD23	2.39	0.48
2:bh:107:THR:O	2:bh:108:ALA:C	2.56	0.48
2:fh:30:LEU:HD23	2:fh:30:LEU:C	2.39	0.48
2:uh:31:VAL:HG21	2:uh:37:LEU:HD22	1.95	0.48
2:zh:30:LEU:C	2:zh:30:LEU:HD23	2.39	0.48
2:0h:30:LEU:HD23	2:0h:30:LEU:C	2.39	0.48
3:Il:77:PRO:HD2	3:Il:80:VAL:HG21	1.95	0.48
3:Pl:77:PRO:HD2	3:Pl:80:VAL:HG21	1.95	0.48
3:Yl:77:PRO:HD2	3:Yl:80:VAL:HG21	1.95	0.48
3:dl:52:TYR:HB2	3:dl:88:LYS:HE2	1.94	0.48
3:jl:40:ILE:HD12	3:jl:95:LEU:HD23	1.96	0.48
3:ol:112:SER:O	3:ol:119:LEU:HD12	2.13	0.48
3:rl:40:ILE:HD12	3:rl:95:LEU:HD23	1.96	0.48
3:wl:31:SER:CA	3:wl:128:THR:O	2.40	0.48
1:A:710:VAL:O	1:A:713:THR:OG1	2.27	0.48
1:B:388:GLY:HA3	1:n:704:TYR:HA	1.95	0.48
1:B:578:SER:HB3	1:B:592:THR:HG22	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:W:578:SER:HB3	1:W:592:THR:HG21	1.96	0.48
1:Y:704:TYR:HA	1:d:388:GLY:HA3	1.95	0.48
1:c:578:SER:HB3	1:c:592:THR:HG21	1.96	0.48
1:e:710:VAL:O	1:e:713:THR:OG1	2.27	0.48
1:p:555:GLU:H	1:p:555:GLU:CD	2.17	0.48
1:q:578:SER:HB3	1:q:592:THR:HG22	1.95	0.48
1:0:578:SER:HB3	1:0:592:THR:HG21	1.96	0.48
2:Ah:30:LEU:C	2:Ah:30:LEU:HD23	2.39	0.48
2:Bh:30:LEU:HD23	2:Bh:30:LEU:C	2.39	0.48
2:Lh:30:LEU:C	2:Lh:30:LEU:HD23	2.39	0.48
2:Oh:106:VAL:CG2	2:Oh:110:ASP:CG	2.81	0.48
2:Qh:107:THR:O	2:Qh:108:ALA:C	2.56	0.48
2:Th:30:LEU:C	2:Th:30:LEU:HD23	2.39	0.48
2:Xh:107:THR:O	2:Xh:108:ALA:C	2.57	0.48
2:Zh:69:ILE:CG2	2:Zh:88:VAL:HG11	2.42	0.48
2:ah:30:LEU:HD23	2:ah:30:LEU:C	2.39	0.48
2:ah:107:THR:O	2:ah:108:ALA:C	2.56	0.48
2:bh:31:VAL:HG21	2:bh:37:LEU:HD22	1.95	0.48
2:rh:107:THR:O	2:rh:108:ALA:C	2.57	0.48
2:yh:31:VAL:HG21	2:yh:37:LEU:HD22	1.95	0.48
2:3h:106:VAL:CG2	2:3h:110:ASP:CG	2.81	0.48
2:7h:30:LEU:HD23	2:7h:30:LEU:C	2.39	0.48
3:Dl:40:ILE:HD12	3:Dl:95:LEU:HD23	1.96	0.48
3:ul:77:PRO:HD2	3:ul:80:VAL:HG21	1.95	0.48
3:yl:40:ILE:HD12	3:yl:95:LEU:HD23	1.96	0.48
1:H:704:TYR:HA	1:4:388:GLY:HA3	1.95	0.48
1:e:238:ARG:NH2	1:e:238:ARG:CG	2.73	0.48
1:h:578:SER:HB3	1:h:592:THR:HG22	1.95	0.48
1:i:388:GLY:HA3	1:o:704:TYR:HA	1.95	0.48
1:j:555:GLU:H	1:j:555:GLU:CD	2.17	0.48
1:m:578:SER:HB3	1:m:592:THR:HG21	1.96	0.48
1:u:578:SER:HB3	1:u:592:THR:HG22	1.95	0.48
1:z:388:GLY:HA3	1:1:704:TYR:HA	1.95	0.48
2:Ah:31:VAL:HG21	2:Ah:37:LEU:HD22	1.95	0.48
2:Ah:107:THR:O	2:Ah:108:ALA:C	2.56	0.48
2:Dh:31:VAL:HG21	2:Dh:37:LEU:HD22	1.95	0.48
2:Gh:69:ILE:CG2	2:Gh:88:VAL:HG11	2.42	0.48
2:Gh:107:THR:O	2:Gh:108:ALA:C	2.57	0.48
2:Qh:106:VAL:CG2	2:Qh:110:ASP:CG	2.81	0.48
2:Sh:30:LEU:HD23	2:Sh:30:LEU:C	2.39	0.48
2:Uh:30:LEU:HD23	2:Uh:30:LEU:C	2.39	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Wh:31:VAL:HG21	2:Wh:37:LEU:HD22	1.95	0.48
2:ah:31:VAL:HG21	2:ah:37:LEU:HD22	1.95	0.48
2:bh:30:LEU:HD23	2:bh:30:LEU:C	2.39	0.48
2:gh:30:LEU:C	2:gh:30:LEU:HD23	2.39	0.48
2:jh:31:VAL:HG21	2:jh:37:LEU:HD22	1.95	0.48
2:jh:107:THR:O	2:jh:108:ALA:C	2.57	0.48
2:7h:31:VAL:HG21	2:7h:37:LEU:HD22	1.95	0.48
2:7h:107:THR:O	2:7h:108:ALA:C	2.56	0.48
3:Il:31:SER:CA	3:Il:128:THR:O	2.40	0.48
3:Wl:77:PRO:HD2	3:Wl:80:VAL:HG21	1.95	0.48
1:A:666:PHE:HE2	1:4:371:MET:HG3	1.79	0.48
1:J:657:PRO:HB3	1:J:666:PHE:CZ	2.32	0.48
1:b:710:VAL:O	1:b:713:THR:OG1	2.27	0.48
1:c:578:SER:HB3	1:c:592:THR:HG22	1.95	0.48
1:g:578:SER:HB3	1:g:592:THR:HG21	1.96	0.48
1:i:578:SER:HB3	1:i:592:THR:HG21	1.96	0.48
1:l:710:VAL:O	1:l:713:THR:OG1	2.27	0.48
1:s:657:PRO:HB3	1:s:666:PHE:CZ	2.32	0.48
1:t:238:ARG:NH2	1:t:238:ARG:CG	2.73	0.48
1:t:578:SER:HB3	1:t:592:THR:HG21	1.96	0.48
1:z:578:SER:HB3	1:z:592:THR:HG22	1.95	0.48
1:3:578:SER:HB3	1:3:592:THR:HG21	1.96	0.48
1:3:578:SER:HB3	1:3:592:THR:HG22	1.95	0.48
2:Gh:106:VAL:CG2	2:Gh:110:ASP:CG	2.81	0.48
2:Hh:107:THR:O	2:Hh:108:ALA:C	2.56	0.48
2:Lh:107:THR:O	2:Lh:108:ALA:C	2.57	0.48
2:Oh:69:ILE:CG2	2:Oh:88:VAL:HG11	2.42	0.48
2:Oh:107:THR:O	2:Oh:108:ALA:C	2.57	0.48
2:Qh:30:LEU:HD23	2:Qh:30:LEU:C	2.39	0.48
2:Sh:107:THR:O	2:Sh:108:ALA:C	2.57	0.48
2:Vh:69:ILE:CG2	2:Vh:88:VAL:HG11	2.42	0.48
2:fh:69:ILE:CG2	2:fh:88:VAL:HG11	2.42	0.48
2:hh:30:LEU:HD23	2:hh:30:LEU:C	2.39	0.48
2:nh:30:LEU:HD23	2:nh:30:LEU:C	2.39	0.48
2:rh:31:VAL:HG21	2:rh:37:LEU:HD22	1.95	0.48
2:xh:106:VAL:CG2	2:xh:110:ASP:CG	2.81	0.48
2:0h:107:THR:O	2:0h:108:ALA:C	2.57	0.48
2:1h:30:LEU:C	2:1h:30:LEU:HD23	2.39	0.48
3:Bl:40:ILE:HD12	3:Bl:95:LEU:HD23	1.96	0.48
3:Jl:40:ILE:HD12	3:Jl:95:LEU:HD23	1.96	0.48
3:Wl:31:SER:CA	3:Wl:128:THR:O	2.40	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:XI:40:ILE:HD12	3:XI:95:LEU:HD23	1.96	0.48
3:ml:77:PRO:HD2	3:ml:80:VAL:HG21	1.95	0.48
3:zl:40:ILE:HD12	3:zl:95:LEU:HD23	1.96	0.48
3:Ol:77:PRO:HD2	3:Ol:80:VAL:HG21	1.95	0.48
3:4l:77:PRO:HD2	3:4l:80:VAL:HG21	1.95	0.48
3:5l:52:TYR:HB2	3:5l:88:LYS:HE2	1.94	0.48
1:R:578:SER:HB3	1:R:592:THR:HG22	1.95	0.47
1:b:578:SER:HB3	1:b:592:THR:HG21	1.96	0.47
1:d:578:SER:HB3	1:d:592:THR:HG22	1.95	0.47
1:l:578:SER:HB3	1:l:592:THR:HG21	1.96	0.47
1:o:397:TYR:HA	1:u:230:CYS:HB3	1.96	0.47
1:2:578:SER:HB3	1:2:592:THR:HG21	1.96	0.47
1:4:578:SER:HB3	1:4:592:THR:HG22	1.95	0.47
2:Ch:69:ILE:CG2	2:Ch:88:VAL:HG11	2.42	0.47
2:Ih:31:VAL:HG21	2:Ih:37:LEU:HD22	1.95	0.47
2:Jh:106:VAL:CG2	2:Jh:110:ASP:CG	2.81	0.47
2:Mh:30:LEU:HD23	2:Mh:30:LEU:C	2.39	0.47
2:Xh:30:LEU:HD23	2:Xh:30:LEU:C	2.39	0.47
2:Yh:107:THR:O	2:Yh:108:ALA:C	2.56	0.47
2:lh:31:VAL:HG21	2:lh:37:LEU:HD22	1.95	0.47
2:mh:107:THR:O	2:mh:108:ALA:C	2.57	0.47
2:nh:107:THR:O	2:nh:108:ALA:C	2.57	0.47
2:xh:69:ILE:CG2	2:xh:88:VAL:HG11	2.42	0.47
2:zh:31:VAL:HG21	2:zh:37:LEU:HD22	1.95	0.47
2:1h:107:THR:O	2:1h:108:ALA:C	2.57	0.47
2:2h:31:VAL:HG21	2:2h:37:LEU:HD22	1.95	0.47
2:4h:107:THR:O	2:4h:108:ALA:C	2.56	0.47
2:5h:30:LEU:HD23	2:5h:30:LEU:C	2.39	0.47
3:Fl:52:TYR:HB2	3:Fl:88:LYS:HE2	1.94	0.47
3:Jl:31:SER:CA	3:Jl:128:THR:O	2.40	0.47
3:Rl:40:ILE:HD12	3:Rl:95:LEU:HD23	1.96	0.47
3:XI:31:SER:CA	3:XI:128:THR:O	2.40	0.47
3:el:52:TYR:HB2	3:el:88:LYS:HE2	1.94	0.47
3:kl:40:ILE:HD12	3:kl:95:LEU:HD23	1.96	0.47
3:ll:40:ILE:HD12	3:ll:95:LEU:HD23	1.96	0.47
3:sl:40:ILE:HD12	3:sl:95:LEU:HD23	1.96	0.47
3:2l:77:PRO:HD2	3:2l:80:VAL:HG21	1.95	0.47
3:3l:40:ILE:HD12	3:3l:95:LEU:HD23	1.96	0.47
1:E:388:GLY:HA3	1:K:704:TYR:HA	1.95	0.47
1:F:578:SER:HB3	1:F:592:THR:HG22	1.95	0.47
1:N:578:SER:HB3	1:N:592:THR:HG22	1.95	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:Q:555:GLU:H	1:Q:555:GLU:CD	2.17	0.47
1:T:578:SER:HB3	1:T:592:THR:HG21	1.96	0.47
1:i:238:ARG:NH2	1:i:238:ARG:CG	2.73	0.47
1:o:578:SER:HB3	1:o:592:THR:HG22	1.95	0.47
1:t:578:SER:HB3	1:t:592:THR:HG22	1.95	0.47
1:w:238:ARG:NH2	1:w:238:ARG:CG	2.73	0.47
2:Jh:30:LEU:HD23	2:Jh:30:LEU:C	2.39	0.47
2:Nh:107:THR:O	2:Nh:108:ALA:C	2.57	0.47
2:Wh:107:THR:O	2:Wh:108:ALA:C	2.57	0.47
2:Zh:30:LEU:HD23	2:Zh:30:LEU:C	2.39	0.47
2:dh:107:THR:O	2:dh:108:ALA:C	2.56	0.47
2:eh:31:VAL:HG21	2:eh:37:LEU:HD22	1.95	0.47
2:ih:31:VAL:HG21	2:ih:37:LEU:HD22	1.95	0.47
2:lh:25:GLU:CD	2:lh:25:GLU:N	2.73	0.47
2:nh:106:VAL:CG2	2:nh:110:ASP:CG	2.81	0.47
2:oh:107:THR:O	2:oh:108:ALA:C	2.57	0.47
2:ph:107:THR:O	2:ph:108:ALA:C	2.57	0.47
2:th:31:VAL:HG21	2:th:37:LEU:HD22	1.95	0.47
2:vh:107:THR:O	2:vh:108:ALA:C	2.57	0.47
2:xh:30:LEU:HD23	2:xh:30:LEU:C	2.39	0.47
2:yh:30:LEU:HD23	2:yh:30:LEU:C	2.39	0.47
2:2h:25:GLU:CD	2:2h:25:GLU:N	2.73	0.47
2:6h:30:LEU:HD23	2:6h:30:LEU:C	2.39	0.47
3:Cl:77:PRO:HD2	3:Cl:80:VAL:HG21	1.95	0.47
3:Kl:40:ILE:HD12	3:Kl:95:LEU:HD23	1.96	0.47
3:Ul:40:ILE:HD12	3:Ul:95:LEU:HD23	1.96	0.47
3:cl:40:ILE:HD12	3:cl:95:LEU:HD23	1.96	0.47
3:dl:77:PRO:HD2	3:dl:80:VAL:HG21	1.95	0.47
3:xl:77:PRO:HD2	3:xl:80:VAL:HG21	1.95	0.47
3:2l:40:ILE:HD12	3:2l:95:LEU:HD23	1.96	0.47
1:A:578:SER:HB3	1:A:592:THR:HG21	1.96	0.47
1:C:710:VAL:O	1:C:713:THR:OG1	2.27	0.47
1:J:238:ARG:HH21	1:J:238:ARG:CG	2.14	0.47
1:K:578:SER:HB3	1:K:592:THR:HG22	1.95	0.47
1:P:388:GLY:HA3	1:R:704:TYR:HA	1.95	0.47
1:V:578:SER:HB3	1:V:592:THR:HG21	1.96	0.47
1:W:388:GLY:HA3	1:c:704:TYR:HA	1.95	0.47
1:d:657:PRO:HB3	1:d:666:PHE:CZ	2.32	0.47
1:f:578:SER:HB3	1:f:592:THR:HG21	1.96	0.47
1:i:578:SER:HB3	1:i:592:THR:HG22	1.95	0.47
1:i:657:PRO:HB3	1:i:666:PHE:CZ	2.32	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:j:578:SER:HB3	1:j:592:THR:HG21	1.96	0.47
1:p:238:ARG:NH2	1:p:238:ARG:CG	2.73	0.47
1:r:578:SER:HB3	1:r:592:THR:HG21	1.96	0.47
1:2:710:VAL:O	1:2:713:THR:OG1	2.27	0.47
1:5:238:ARG:NH2	1:5:238:ARG:CG	2.73	0.47
2:Bh:25:GLU:CD	2:Bh:25:GLU:N	2.72	0.47
2:Bh:31:VAL:HG21	2:Bh:37:LEU:HD22	1.95	0.47
2:Ch:30:LEU:HD23	2:Ch:30:LEU:C	2.39	0.47
2:Fh:107:THR:O	2:Fh:108:ALA:C	2.57	0.47
2:Ih:107:THR:O	2:Ih:108:ALA:C	2.56	0.47
2:Th:25:GLU:CD	2:Th:25:GLU:N	2.73	0.47
2:Th:107:THR:O	2:Th:108:ALA:C	2.57	0.47
2:Uh:69:ILE:CG2	2:Uh:88:VAL:HG11	2.42	0.47
2:Vh:31:VAL:HG21	2:Vh:37:LEU:HD22	1.95	0.47
2:dh:31:VAL:HG21	2:dh:37:LEU:HD22	1.95	0.47
2:eh:30:LEU:HD23	2:eh:30:LEU:C	2.39	0.47
2:fh:31:VAL:HG21	2:fh:37:LEU:HD22	1.95	0.47
2:gh:25:GLU:CD	2:gh:25:GLU:N	2.73	0.47
2:lh:107:THR:O	2:lh:108:ALA:C	2.56	0.47
2:qh:107:THR:O	2:qh:108:ALA:C	2.56	0.47
2:wh:107:THR:O	2:wh:108:ALA:C	2.57	0.47
2:1h:106:VAL:CG2	2:1h:110:ASP:CG	2.81	0.47
2:4h:31:VAL:HG21	2:4h:37:LEU:HD22	1.95	0.47
3:Al:40:ILE:HD12	3:Al:95:LEU:HD23	1.96	0.47
3:Nl:52:TYR:HB2	3:Nl:88:LYS:HE2	1.94	0.47
3:Pl:40:ILE:HD12	3:Pl:95:LEU:HD23	1.96	0.47
3:bl:40:ILE:HD12	3:bl:95:LEU:HD23	1.96	0.47
3:hl:40:ILE:HD12	3:hl:95:LEU:HD23	1.96	0.47
3:ll:37:SER:HA	3:ll:97:ILE:O	2.15	0.47
3:ll:77:PRO:HD2	3:ll:80:VAL:HG21	1.95	0.47
3:ql:53:ASN:ND2	3:ql:53:ASN:N	2.60	0.47
3:vl:77:PRO:HD2	3:vl:80:VAL:HG21	1.95	0.47
3:2l:37:SER:HA	3:2l:97:ILE:O	2.15	0.47
1:I:388:GLY:HA3	1:3:704:TYR:HA	1.95	0.47
1:S:578:SER:HB3	1:S:592:THR:HG21	1.96	0.47
1:b:657:PRO:HB3	1:b:666:PHE:CZ	2.32	0.47
1:f:555:GLU:H	1:f:555:GLU:CD	2.17	0.47
1:k:657:PRO:HB3	1:k:666:PHE:CZ	2.32	0.47
1:v:578:SER:HB3	1:v:592:THR:HG22	1.95	0.47
1:w:704:TYR:HA	1:1:388:GLY:HA3	1.95	0.47
1:x:710:VAL:O	1:x:713:THR:OG1	2.27	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:3:555:GLU:H	1:3:555:GLU:CD	2.17	0.47
2:Ah:25:GLU:CD	2:Ah:25:GLU:N	2.73	0.47
2:Bh:69:ILE:CG2	2:Bh:88:VAL:HG11	2.42	0.47
2:Dh:30:LEU:C	2:Dh:30:LEU:HD23	2.39	0.47
2:Gh:30:LEU:C	2:Gh:30:LEU:HD23	2.39	0.47
2:Jh:69:ILE:CG2	2:Jh:88:VAL:HG11	2.42	0.47
2:Oh:30:LEU:C	2:Oh:30:LEU:HD23	2.39	0.47
2:Rh:25:GLU:CD	2:Rh:25:GLU:N	2.73	0.47
2:Vh:107:THR:O	2:Vh:108:ALA:C	2.56	0.47
2:Xh:106:VAL:CG2	2:Xh:110:ASP:CG	2.81	0.47
2:fh:107:THR:O	2:fh:108:ALA:C	2.57	0.47
2:uh:107:THR:O	2:uh:108:ALA:C	2.56	0.47
2:zh:25:GLU:CD	2:zh:25:GLU:N	2.72	0.47
2:0h:31:VAL:HG21	2:0h:37:LEU:HD22	1.95	0.47
2:2h:107:THR:O	2:2h:108:ALA:C	2.56	0.47
2:3h:25:GLU:CD	2:3h:25:GLU:N	2.73	0.47
2:4h:25:GLU:CD	2:4h:25:GLU:N	2.73	0.47
2:5h:31:VAL:HG21	2:5h:37:LEU:HD22	1.95	0.47
3:El:40:ILE:HD12	3:El:95:LEU:HD23	1.96	0.47
3:Vl:40:ILE:HD12	3:Vl:95:LEU:HD23	1.96	0.47
3:ml:37:SER:HA	3:ml:97:ILE:O	2.15	0.47
3:ol:77:PRO:HD2	3:ol:80:VAL:HG21	1.95	0.47
3:Ol:37:SER:HA	3:Ol:97:ILE:O	2.15	0.47
1:B:578:SER:HB3	1:B:592:THR:HG21	1.96	0.47
1:L:578:SER:HB3	1:L:592:THR:HG21	1.96	0.47
1:V:555:GLU:H	1:V:555:GLU:CD	2.17	0.47
1:b:578:SER:HB3	1:b:592:THR:HG22	1.95	0.47
1:n:388:GLY:HA3	1:p:704:TYR:HA	1.95	0.47
1:n:578:SER:HB3	1:n:592:THR:HG22	1.95	0.47
1:1:578:SER:HB3	1:1:592:THR:HG22	1.95	0.47
1:6:578:SER:HB3	1:6:592:THR:HG22	1.95	0.47
2:Hh:30:LEU:HD23	2:Hh:30:LEU:C	2.39	0.47
2:Kh:25:GLU:CD	2:Kh:25:GLU:N	2.73	0.47
2:Kh:30:LEU:HD23	2:Kh:30:LEU:C	2.39	0.47
2:Qh:69:ILE:CG2	2:Qh:88:VAL:HG11	2.42	0.47
2:Rh:30:LEU:HD23	2:Rh:30:LEU:C	2.39	0.47
2:Th:31:VAL:HG21	2:Th:37:LEU:HD22	1.95	0.47
2:Xh:69:ILE:CG2	2:Xh:88:VAL:HG11	2.42	0.47
2:Yh:25:GLU:CD	2:Yh:25:GLU:N	2.73	0.47
2:Yh:30:LEU:HD23	2:Yh:30:LEU:C	2.39	0.47
2:bh:25:GLU:CD	2:bh:25:GLU:N	2.73	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ch:25:GLU:CD	2:ch:25:GLU:N	2.73	0.47
2:eh:107:THR:O	2:eh:108:ALA:C	2.56	0.47
2:gh:107:THR:O	2:gh:108:ALA:C	2.57	0.47
2:hh:69:ILE:CG2	2:hh:88:VAL:HG11	2.42	0.47
2:zh:69:ILE:CG2	2:zh:88:VAL:HG11	2.42	0.47
3:Yl:53:ASN:ND2	3:Yl:53:ASN:N	2.60	0.47
3:jl:52:TYR:HB2	3:jl:88:LYS:HE2	1.94	0.47
3:ml:52:TYR:HB2	3:ml:88:LYS:HE2	1.94	0.47
3:rl:52:TYR:HB2	3:rl:88:LYS:HE2	1.94	0.47
1:I:704:TYR:HA	1:M:388:GLY:HA3	1.95	0.47
1:I:710:VAL:O	1:I:713:THR:OG1	2.27	0.47
1:M:555:GLU:H	1:M:555:GLU:CD	2.17	0.47
1:O:578:SER:HB3	1:O:592:THR:HG21	1.96	0.47
1:Q:388:GLY:HA3	1:W:704:TYR:HA	1.95	0.47
2:Hh:25:GLU:CD	2:Hh:25:GLU:N	2.72	0.47
2:Ph:107:THR:O	2:Ph:108:ALA:C	2.57	0.47
2:Zh:25:GLU:CD	2:Zh:25:GLU:N	2.73	0.47
2:gh:31:VAL:HG21	2:gh:37:LEU:HD22	1.95	0.47
2:jh:25:GLU:OE2	2:jh:144:GLY:CA	2.60	0.47
2:mh:31:VAL:HG21	2:mh:37:LEU:HD22	1.95	0.47
2:nh:31:VAL:HG21	2:nh:37:LEU:HD22	1.95	0.47
3:Hl:40:ILE:HD12	3:Hl:95:LEU:HD23	1.96	0.47
3:Sl:37:SER:HA	3:Sl:97:ILE:O	2.15	0.47
3:fl:40:ILE:HD12	3:fl:95:LEU:HD23	1.96	0.47
3:il:77:PRO:HD2	3:il:80:VAL:HG21	1.95	0.47
3:nl:37:SER:HA	3:nl:97:ILE:O	2.15	0.47
3:tl:77:PRO:HD2	3:tl:80:VAL:HG21	1.95	0.47
3:ol:52:TYR:HB2	3:ol:88:LYS:HE2	1.94	0.47
3:ll:37:SER:HA	3:ll:97:ILE:O	2.15	0.47
1:A:578:SER:HB3	1:A:592:THR:HG22	1.95	0.47
1:A:657:PRO:HB3	1:A:666:PHE:CZ	2.32	0.47
1:D:230:CYS:HB3	1:l:397:TYR:HA	1.97	0.47
1:E:704:TYR:HA	1:c:388:GLY:HA3	1.95	0.47
1:F:555:GLU:H	1:F:555:GLU:CD	2.17	0.47
1:F:710:VAL:O	1:F:713:THR:OG1	2.27	0.47
1:G:578:SER:HB3	1:G:592:THR:HG21	1.96	0.47
1:H:371:MET:HG3	1:4:666:PHE:HE2	1.80	0.47
1:J:578:SER:HB3	1:J:592:THR:HG21	1.96	0.47
1:N:555:GLU:H	1:N:555:GLU:CD	2.17	0.47
1:N:710:VAL:O	1:N:713:THR:OG1	2.27	0.47
1:P:704:TYR:HA	1:3:388:GLY:HA3	1.95	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:V:397:TYR:HA	1:X:230:CYS:HB3	1.97	0.47
1:X:578:SER:HB3	1:X:592:THR:HG21	1.96	0.47
1:Y:371:MET:HG3	1:d:666:PHE:HE2	1.80	0.47
1:Z:578:SER:HB3	1:Z:592:THR:HG22	1.95	0.47
1:b:666:PHE:HE2	1:d:371:MET:HG3	1.80	0.47
1:c:555:GLU:H	1:c:555:GLU:CD	2.17	0.47
1:j:578:SER:HB3	1:j:592:THR:HG22	1.95	0.47
1:k:555:GLU:H	1:k:555:GLU:CD	2.17	0.47
1:q:578:SER:HB3	1:q:592:THR:HG21	1.96	0.47
1:r:578:SER:HB3	1:r:592:THR:HG22	1.95	0.47
1:t:657:PRO:HB3	1:t:666:PHE:CZ	2.32	0.47
1:u:578:SER:HB3	1:u:592:THR:HG21	1.96	0.47
1:z:578:SER:HB3	1:z:592:THR:HG21	1.96	0.47
1:4:657:PRO:HB3	1:4:666:PHE:CZ	2.32	0.47
2:Ch:107:THR:O	2:Ch:108:ALA:C	2.57	0.47
2:Dh:25:GLU:CD	2:Dh:25:GLU:N	2.73	0.47
2:Eh:107:THR:O	2:Eh:108:ALA:C	2.57	0.47
2:Kh:107:THR:O	2:Kh:108:ALA:C	2.57	0.47
2:Mh:69:ILE:CG2	2:Mh:88:VAL:HG11	2.42	0.47
2:Rh:107:THR:O	2:Rh:108:ALA:C	2.57	0.47
2:Uh:107:THR:O	2:Uh:108:ALA:C	2.57	0.47
2:hh:107:THR:O	2:hh:108:ALA:C	2.57	0.47
2:jh:25:GLU:CD	2:jh:25:GLU:N	2.73	0.47
2:lh:25:GLU:OE2	2:lh:144:GLY:CA	2.60	0.47
2:lh:30:LEU:HD23	2:lh:30:LEU:C	2.39	0.47
2:ph:25:GLU:OE2	2:ph:144:GLY:CA	2.60	0.47
2:ph:31:VAL:HG21	2:ph:37:LEU:HD22	1.95	0.47
2:rh:25:GLU:OE2	2:rh:144:GLY:CA	2.60	0.47
2:rh:25:GLU:CD	2:rh:25:GLU:N	2.73	0.47
2:wh:31:VAL:HG21	2:wh:37:LEU:HD22	1.95	0.47
2:yh:25:GLU:CD	2:yh:25:GLU:N	2.73	0.47
2:1h:31:VAL:HG21	2:1h:37:LEU:HD22	1.95	0.47
2:2h:30:LEU:HD23	2:2h:30:LEU:C	2.39	0.47
2:5h:107:THR:O	2:5h:108:ALA:C	2.56	0.47
2:6h:25:GLU:CD	2:6h:25:GLU:N	2.73	0.47
3:El:37:SER:HA	3:El:97:ILE:O	2.15	0.47
3:Fl:37:SER:HA	3:Fl:97:ILE:O	2.15	0.47
3:Gl:37:SER:HA	3:Gl:97:ILE:O	2.15	0.47
3:Hl:53:ASN:ND2	3:Hl:53:ASN:N	2.60	0.47
3:Il:40:ILE:HD12	3:Il:95:LEU:HD23	1.96	0.47
3:Ll:37:SER:HA	3:Ll:97:ILE:O	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:N1:37:SER:HA	3:N1:97:ILE:O	2.15	0.47
3:O1:37:SER:HA	3:O1:97:ILE:O	2.15	0.47
3:U1:37:SER:HA	3:U1:97:ILE:O	2.15	0.47
3:V1:37:SER:HA	3:V1:97:ILE:O	2.15	0.47
3:W1:40:ILE:HD12	3:W1:95:LEU:HD23	1.96	0.47
3:Y1:30:GLU:O	3:Y1:128:THR:OG1	2.32	0.47
3:Y1:40:ILE:HD12	3:Y1:95:LEU:HD23	1.96	0.47
3:cl:53:ASN:ND2	3:cl:53:ASN:N	2.60	0.47
3:fl:37:SER:HA	3:fl:97:ILE:O	2.15	0.47
3:gl:40:ILE:HD12	3:gl:95:LEU:HD23	1.96	0.47
3:hl:37:SER:HA	3:hl:97:ILE:O	2.15	0.47
3:nl:40:ILE:HD12	3:nl:95:LEU:HD23	1.96	0.47
3:pl:40:ILE:HD12	3:pl:95:LEU:HD23	1.96	0.47
3:ql:37:SER:HA	3:ql:97:ILE:O	2.15	0.47
3:ul:37:SER:HA	3:ul:97:ILE:O	2.15	0.47
3:1l:40:ILE:HD12	3:1l:95:LEU:HD23	1.96	0.47
3:3l:53:ASN:ND2	3:3l:53:ASN:N	2.60	0.47
1:N:578:SER:HB3	1:N:592:THR:HG21	1.96	0.47
1:Y:238:ARG:NH2	1:Y:238:ARG:CG	2.73	0.47
1:Z:371:MET:HG3	1:m:666:PHE:HE2	1.80	0.47
1:o:578:SER:HB3	1:o:592:THR:HG21	1.96	0.47
1:v:578:SER:HB3	1:v:592:THR:HG21	1.96	0.47
1:y:230:CYS:HB3	1:2:397:TYR:HA	1.97	0.47
2:Lh:25:GLU:CD	2:Lh:25:GLU:N	2.73	0.47
2:Sh:25:GLU:CD	2:Sh:25:GLU:N	2.73	0.47
2:oh:25:GLU:CD	2:oh:25:GLU:N	2.73	0.47
2:th:30:LEU:HD23	2:th:30:LEU:C	2.39	0.47
2:wh:25:GLU:OE2	2:wh:144:GLY:CA	2.60	0.47
2:wh:30:LEU:C	2:wh:30:LEU:HD23	2.39	0.47
2:3h:30:LEU:HD23	2:3h:30:LEU:C	2.39	0.47
3:Bl:37:SER:HA	3:Bl:97:ILE:O	2.15	0.47
3:Cl:37:SER:HA	3:Cl:97:ILE:O	2.15	0.47
3:Ml:40:ILE:HD12	3:Ml:95:LEU:HD23	1.96	0.47
3:Pl:37:SER:HA	3:Pl:97:ILE:O	2.15	0.47
3:Ql:40:ILE:HD12	3:Ql:95:LEU:HD23	1.96	0.47
3:kl:37:SER:HA	3:kl:97:ILE:O	2.15	0.47
3:wl:40:ILE:HD12	3:wl:95:LEU:HD23	1.96	0.47
3:xl:37:SER:HA	3:xl:97:ILE:O	2.15	0.47
1:H:578:SER:HB3	1:H:592:THR:HG21	1.96	0.47
1:K:578:SER:HB3	1:K:592:THR:HG21	1.96	0.47
1:M:578:SER:HB3	1:M:592:THR:HG21	1.96	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:371:MET:HG3	1:3:666:PHE:HE2	1.80	0.47
1:Q:578:SER:HB3	1:Q:592:THR:HG21	1.96	0.47
1:R:578:SER:HB3	1:R:592:THR:HG21	1.96	0.47
1:T:371:MET:HG3	1:s:666:PHE:HE2	1.80	0.47
1:W:710:VAL:O	1:W:713:THR:OG1	2.27	0.47
1:g:371:MET:HG3	1:k:666:PHE:HE2	1.80	0.47
1:g:704:TYR:HA	1:k:388:GLY:HA3	1.95	0.47
1:n:657:PRO:HB3	1:n:666:PHE:CZ	2.32	0.47
1:q:230:CYS:HB3	1:v:397:TYR:HA	1.97	0.47
1:u:397:TYR:HA	1:0:230:CYS:HB3	1.97	0.47
1:z:238:ARG:NH2	1:z:238:ARG:CG	2.73	0.47
1:0:666:PHE:HE2	1:6:371:MET:HG3	1.80	0.47
2:Ih:25:GLU:CD	2:Ih:25:GLU:N	2.73	0.47
2:Ph:25:GLU:CD	2:Ph:25:GLU:N	2.73	0.47
2:Sh:31:VAL:HG21	2:Sh:37:LEU:HD22	1.95	0.47
2:Sh:69:ILE:CG2	2:Sh:88:VAL:HG11	2.42	0.47
2:Zh:31:VAL:HG21	2:Zh:37:LEU:HD22	1.95	0.47
2:ch:30:LEU:HD23	2:ch:30:LEU:C	2.39	0.47
2:eh:106:VAL:CG2	2:eh:110:ASP:CG	2.81	0.47
2:ph:30:LEU:HD23	2:ph:30:LEU:C	2.39	0.47
2:sh:30:LEU:HD23	2:sh:30:LEU:C	2.39	0.47
2:sh:107:THR:O	2:sh:108:ALA:C	2.57	0.47
2:vh:25:GLU:CD	2:vh:25:GLU:N	2.73	0.47
2:xh:107:THR:O	2:xh:108:ALA:C	2.57	0.47
3:Hl:30:GLU:O	3:Hl:128:THR:OG1	2.32	0.47
3:Jl:37:SER:HA	3:Jl:97:ILE:O	2.15	0.47
3:Tl:40:ILE:HD12	3:Tl:95:LEU:HD23	1.96	0.47
3:Zl:37:SER:HA	3:Zl:97:ILE:O	2.15	0.47
3:dl:37:SER:HA	3:dl:97:ILE:O	2.15	0.47
3:il:37:SER:HA	3:il:97:ILE:O	2.15	0.47
3:jl:53:ASN:ND2	3:jl:53:ASN:N	2.60	0.47
3:sl:37:SER:HA	3:sl:97:ILE:O	2.15	0.47
3:tl:37:SER:HA	3:tl:97:ILE:O	2.15	0.47
3:zl:37:SER:HA	3:zl:97:ILE:O	2.15	0.47
3:4l:37:SER:HA	3:4l:97:ILE:O	2.15	0.47
3:6l:37:SER:HA	3:6l:97:ILE:O	2.15	0.47
1:E:371:MET:HG3	1:c:666:PHE:HE2	1.80	0.47
1:F:578:SER:HB3	1:F:592:THR:HG21	1.96	0.47
1:H:397:TYR:HA	1:h:230:CYS:HB3	1.97	0.47
1:I:371:MET:HG3	1:M:666:PHE:HE2	1.80	0.47
1:U:230:CYS:HB3	1:Y:397:TYR:HA	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:710:VAL:O	1:i:713:THR:OG1	2.27	0.47
1:s:555:GLU:H	1:s:555:GLU:CD	2.17	0.47
1:4:235:MET:HE3	1:4:235:MET:HB2	1.85	0.47
2:Ih:69:ILE:CG2	2:Ih:88:VAL:HG11	2.42	0.47
2:Kh:21:LEU:HD13	2:Kh:46:GLY:HA3	1.97	0.47
2:Lh:69:ILE:CG2	2:Lh:88:VAL:HG11	2.42	0.47
2:Mh:21:LEU:HD13	2:Mh:46:GLY:HA3	1.97	0.47
2:Oh:25:GLU:CD	2:Oh:25:GLU:N	2.73	0.47
2:Qh:21:LEU:HD13	2:Qh:46:GLY:HA3	1.97	0.47
2:Rh:21:LEU:HD13	2:Rh:46:GLY:HA3	1.97	0.47
2:Uh:25:GLU:CD	2:Uh:25:GLU:N	2.73	0.47
2:Wh:69:ILE:CG2	2:Wh:88:VAL:HG11	2.42	0.47
2:ah:69:ILE:CG2	2:ah:88:VAL:HG11	2.42	0.47
2:ch:25:GLU:OE2	2:ch:144:GLY:CA	2.60	0.47
2:hh:25:GLU:CD	2:hh:25:GLU:N	2.73	0.47
2:ih:30:LEU:HD23	2:ih:30:LEU:C	2.39	0.47
2:kh:30:LEU:HD23	2:kh:30:LEU:C	2.39	0.47
2:kh:107:THR:O	2:kh:108:ALA:C	2.57	0.47
2:nh:25:GLU:CD	2:nh:25:GLU:N	2.73	0.47
2:1h:25:GLU:CD	2:1h:25:GLU:N	2.73	0.47
2:2h:25:GLU:OE2	2:2h:144:GLY:CA	2.60	0.47
2:4h:30:LEU:C	2:4h:30:LEU:HD23	2.39	0.47
2:6h:31:VAL:HG21	2:6h:37:LEU:HD22	1.95	0.47
3:Gl:30:GLU:O	3:Gl:128:THR:OG1	2.32	0.47
3:Gl:40:ILE:HD12	3:Gl:95:LEU:HD23	1.96	0.47
3:Hl:37:SER:HA	3:Hl:97:ILE:O	2.15	0.47
3:Wl:37:SER:HA	3:Wl:97:ILE:O	2.15	0.47
3:Xl:37:SER:HA	3:Xl:97:ILE:O	2.15	0.47
3:al:40:ILE:HD12	3:al:95:LEU:HD23	1.96	0.47
3:el:37:SER:HA	3:el:97:ILE:O	2.15	0.47
3:ul:40:ILE:HD12	3:ul:95:LEU:HD23	1.96	0.47
3:7l:40:ILE:HD12	3:7l:95:LEU:HD23	1.96	0.47
1:H:238:ARG:NH2	1:H:238:ARG:CG	2.73	0.46
1:K:397:TYR:HA	1:Q:230:CYS:HB3	1.97	0.46
1:K:666:PHE:HE2	1:Q:371:MET:HG3	1.80	0.46
1:N:666:PHE:HE2	1:5:371:MET:HG3	1.80	0.46
1:Q:666:PHE:HE2	1:W:371:MET:HG3	1.80	0.46
1:Y:578:SER:HB3	1:Y:592:THR:HG21	1.96	0.46
1:Z:235:MET:HB2	1:Z:235:MET:HE3	1.85	0.46
1:a:666:PHE:HE2	1:l:371:MET:HG3	1.80	0.46
1:d:235:MET:HE3	1:d:235:MET:HB2	1.85	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:i:666:PHE:HE2	1:o:371:MET:HG3	1.80	0.46
1:u:666:PHE:HE2	1:0:371:MET:HG3	1.79	0.46
1:2:371:MET:HG3	1:7:666:PHE:HE2	1.80	0.46
1:6:235:MET:HB2	1:6:235:MET:HE3	1.85	0.46
2:Gh:25:GLU:CD	2:Gh:25:GLU:N	2.73	0.46
2:Jh:25:GLU:CD	2:Jh:25:GLU:N	2.73	0.46
2:Lh:31:VAL:HG21	2:Lh:37:LEU:HD22	1.95	0.46
2:Xh:25:GLU:CD	2:Xh:25:GLU:N	2.73	0.46
2:ah:25:GLU:CD	2:ah:25:GLU:N	2.73	0.46
2:dh:25:GLU:CD	2:dh:25:GLU:N	2.73	0.46
2:kh:31:VAL:HG21	2:kh:37:LEU:HD22	1.95	0.46
2:nh:21:LEU:HD13	2:nh:46:GLY:HA3	1.97	0.46
2:qh:21:LEU:HD13	2:qh:46:GLY:HA3	1.97	0.46
2:qh:25:GLU:CD	2:qh:25:GLU:N	2.73	0.46
2:uh:25:GLU:CD	2:uh:25:GLU:N	2.73	0.46
2:1h:21:LEU:HD13	2:1h:46:GLY:HA3	1.97	0.46
2:5h:21:LEU:HD13	2:5h:46:GLY:HA3	1.97	0.46
3:Fl:40:ILE:HD12	3:Fl:95:LEU:HD23	1.96	0.46
3:Il:37:SER:HA	3:Il:97:ILE:O	2.15	0.46
3:Ol:30:GLU:O	3:Ol:128:THR:OG1	2.32	0.46
3:Ol:40:ILE:HD12	3:Ol:95:LEU:HD23	1.96	0.46
3:Yl:37:SER:HA	3:Yl:97:ILE:O	2.15	0.46
3:Zl:40:ILE:HD12	3:Zl:95:LEU:HD23	1.96	0.46
3:ml:40:ILE:HD12	3:ml:95:LEU:HD23	1.96	0.46
3:ql:40:ILE:HD12	3:ql:95:LEU:HD23	1.96	0.46
3:rl:53:ASN:ND2	3:rl:53:ASN:N	2.60	0.46
3:Ol:40:ILE:HD12	3:Ol:95:LEU:HD23	1.96	0.46
3:5l:37:SER:HA	3:5l:97:ILE:O	2.15	0.46
3:7l:37:SER:HA	3:7l:97:ILE:O	2.15	0.46
1:J:230:CYS:HB3	1:f:397:TYR:HA	1.97	0.46
1:M:230:CYS:HB3	1:R:397:TYR:HA	1.97	0.46
1:M:371:MET:HG3	1:R:666:PHE:HE2	1.80	0.46
1:S:235:MET:HE3	1:S:235:MET:HB2	1.85	0.46
1:T:704:TYR:HA	1:s:388:GLY:HA3	1.95	0.46
1:h:397:TYR:HA	1:j:230:CYS:HB3	1.97	0.46
1:h:666:PHE:HE2	1:j:371:MET:HG3	1.80	0.46
1:t:397:TYR:HA	1:v:230:CYS:HB3	1.97	0.46
1:t:666:PHE:HE2	1:v:371:MET:HG3	1.80	0.46
2:Ah:69:ILE:HG12	2:Ah:84:LEU:CD1	2.46	0.46
2:Eh:25:GLU:CD	2:Eh:25:GLU:N	2.73	0.46
2:Eh:69:ILE:HG12	2:Eh:84:LEU:CD1	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Fh:25:GLU:CD	2:Fh:25:GLU:N	2.73	0.46
2:Kh:69:ILE:CG2	2:Kh:88:VAL:HG11	2.42	0.46
2:Lh:21:LEU:HD13	2:Lh:46:GLY:HA3	1.98	0.46
2:Rh:69:ILE:CG2	2:Rh:88:VAL:HG11	2.42	0.46
2:Sh:21:LEU:HD13	2:Sh:46:GLY:HA3	1.98	0.46
2:Wh:25:GLU:CD	2:Wh:25:GLU:N	2.73	0.46
2:Yh:69:ILE:HG12	2:Yh:84:LEU:CD1	2.46	0.46
2:dh:30:LEU:HD23	2:dh:30:LEU:C	2.39	0.46
2:eh:21:LEU:HD13	2:eh:46:GLY:HA3	1.97	0.46
2:mh:21:LEU:HD13	2:mh:46:GLY:HA3	1.97	0.46
2:sh:31:VAL:HG21	2:sh:37:LEU:HD22	1.95	0.46
2:uh:21:LEU:HD13	2:uh:46:GLY:HA3	1.97	0.46
2:3h:25:GLU:OE2	2:3h:144:GLY:CA	2.60	0.46
2:3h:69:ILE:HG12	2:3h:84:LEU:CD1	2.46	0.46
2:7h:25:GLU:CD	2:7h:25:GLU:N	2.73	0.46
3:Nl:40:ILE:HD12	3:Nl:95:LEU:HD23	1.96	0.46
3:Tl:37:SER:HA	3:Tl:97:ILE:O	2.15	0.46
3:al:37:SER:HA	3:al:97:ILE:O	2.15	0.46
3:wl:37:SER:HA	3:wl:97:ILE:O	2.15	0.46
3:3l:37:SER:HA	3:3l:97:ILE:O	2.15	0.46
3:6l:40:ILE:HD12	3:6l:95:LEU:HD23	1.96	0.46
1:A:324:THR:CB	2:Ah:130:THR:HG22	2.45	0.46
1:B:238:ARG:NH2	1:B:238:ARG:CG	2.73	0.46
1:D:397:TYR:HA	1:F:230:CYS:HB3	1.97	0.46
1:F:666:PHE:HE2	1:e:371:MET:HG3	1.80	0.46
1:T:230:CYS:HB3	1:s:397:TYR:HA	1.97	0.46
1:U:578:SER:HB3	1:U:592:THR:HG21	1.96	0.46
1:U:666:PHE:HE2	1:r:371:MET:HG3	1.80	0.46
1:Z:578:SER:HB3	1:Z:592:THR:HG21	1.96	0.46
1:a:397:TYR:HA	1:l:230:CYS:HB3	1.97	0.46
1:g:230:CYS:HB3	1:k:397:TYR:HA	1.97	0.46
1:i:397:TYR:HA	1:o:230:CYS:HB3	1.97	0.46
1:m:230:CYS:HB3	1:q:397:TYR:HA	1.97	0.46
1:x:235:MET:HE3	1:x:235:MET:HB2	1.85	0.46
1:1:657:PRO:HB3	1:1:666:PHE:CZ	2.32	0.46
1:2:230:CYS:HB3	1:7:397:TYR:HA	1.97	0.46
2:Bh:69:ILE:HG12	2:Bh:84:LEU:CD1	2.46	0.46
2:Hh:69:ILE:HG12	2:Hh:84:LEU:CD1	2.46	0.46
2:Nh:25:GLU:CD	2:Nh:25:GLU:N	2.73	0.46
2:Qh:69:ILE:HG12	2:Qh:84:LEU:CD1	2.46	0.46
2:Th:69:ILE:HG12	2:Th:84:LEU:CD1	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Uh:25:GLU:OE2	2:Uh:144:GLY:CA	2.60	0.46
2:bh:69:ILE:HG12	2:bh:84:LEU:CD1	2.46	0.46
2:ch:69:ILE:HG12	2:ch:84:LEU:CD1	2.46	0.46
2:gh:69:ILE:HG12	2:gh:84:LEU:CD1	2.46	0.46
2:hh:25:GLU:OE2	2:hh:144:GLY:CA	2.60	0.46
2:hh:69:ILE:HG12	2:hh:84:LEU:CD1	2.46	0.46
2:nh:69:ILE:CG2	2:nh:88:VAL:HG11	2.42	0.46
2:nh:69:ILE:HG12	2:nh:84:LEU:CD1	2.46	0.46
2:ph:25:GLU:CD	2:ph:25:GLU:N	2.73	0.46
2:th:21:LEU:HD13	2:th:46:GLY:HA3	1.98	0.46
2:wh:25:GLU:CD	2:wh:25:GLU:N	2.73	0.46
2:yh:69:ILE:HG12	2:yh:84:LEU:CD1	2.46	0.46
2:0h:21:LEU:HD13	2:0h:46:GLY:HA3	1.97	0.46
2:1h:69:ILE:CG2	2:1h:88:VAL:HG11	2.42	0.46
2:1h:69:ILE:HG12	2:1h:84:LEU:CD1	2.46	0.46
2:7h:69:ILE:CG2	2:7h:88:VAL:HG11	2.42	0.46
3:Dl:37:SER:HA	3:Dl:97:ILE:O	2.15	0.46
3:cl:37:SER:HA	3:cl:97:ILE:O	2.15	0.46
3:el:53:ASN:ND2	3:el:53:ASN:N	2.60	0.46
3:il:40:ILE:HD12	3:il:95:LEU:HD23	1.96	0.46
3:ol:40:ILE:HD12	3:ol:95:LEU:HD23	1.96	0.46
3:pl:37:SER:HA	3:pl:97:ILE:O	2.15	0.46
3:tl:40:ILE:HD12	3:tl:95:LEU:HD23	1.96	0.46
1:B:397:TYR:HA	1:n:230:CYS:HB3	1.97	0.46
1:E:397:TYR:HA	1:K:230:CYS:HB3	1.97	0.46
1:N:230:CYS:HB3	1:y:397:TYR:HA	1.97	0.46
1:P:397:TYR:HA	1:R:230:CYS:HB3	1.97	0.46
1:P:657:PRO:HB3	1:P:666:PHE:CZ	2.32	0.46
1:U:397:TYR:HA	1:r:230:CYS:HB3	1.97	0.46
1:V:230:CYS:HB3	1:x:397:TYR:HA	1.97	0.46
1:V:484:ARG:HD3	1:3:580:SER:O	2.16	0.46
1:W:666:PHE:HE2	1:c:371:MET:HG3	1.80	0.46
1:b:230:CYS:HB3	1:r:397:TYR:HA	1.97	0.46
1:e:235:MET:HE3	1:e:235:MET:HB2	1.85	0.46
1:h:578:SER:HB3	1:h:592:THR:HG21	1.96	0.46
1:z:397:TYR:HA	1:1:230:CYS:HB3	1.97	0.46
2:Ch:25:GLU:CD	2:Ch:25:GLU:N	2.73	0.46
2:Dh:69:ILE:HG12	2:Dh:84:LEU:CD1	2.46	0.46
2:Ih:69:ILE:HG12	2:Ih:84:LEU:CD1	2.46	0.46
2:Mh:25:GLU:CD	2:Mh:25:GLU:N	2.73	0.46
2:Mh:69:ILE:HG12	2:Mh:84:LEU:CD1	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Ph:69:ILE:HG12	2:Ph:84:LEU:CD1	2.46	0.46
2:Qh:25:GLU:CD	2:Qh:25:GLU:N	2.73	0.46
2:Uh:69:ILE:HG12	2:Uh:84:LEU:CD1	2.46	0.46
2:Uh:106:VAL:CG2	2:Uh:110:ASP:CG	2.81	0.46
2:eh:25:GLU:OE2	2:eh:144:GLY:CA	2.60	0.46
2:eh:25:GLU:CD	2:eh:25:GLU:N	2.73	0.46
2:fh:25:GLU:CD	2:fh:25:GLU:N	2.72	0.46
2:ih:21:LEU:HD13	2:ih:46:GLY:HA3	1.98	0.46
2:sh:69:ILE:HG12	2:sh:84:LEU:CD1	2.46	0.46
2:uh:25:GLU:OE2	2:uh:144:GLY:CA	2.60	0.46
2:xh:25:GLU:CD	2:xh:25:GLU:N	2.73	0.46
2:zh:69:ILE:HG12	2:zh:84:LEU:CD1	2.46	0.46
2:5h:25:GLU:CD	2:5h:25:GLU:N	2.73	0.46
2:6h:21:LEU:HD13	2:6h:46:GLY:HA3	1.98	0.46
3:Kl:37:SER:HA	3:Kl:97:ILE:O	2.15	0.46
3:Rl:37:SER:HA	3:Rl:97:ILE:O	2.15	0.46
3:el:40:ILE:HD12	3:el:95:LEU:HD23	1.96	0.46
3:gl:37:SER:HA	3:gl:97:ILE:O	2.15	0.46
3:yl:37:SER:HA	3:yl:97:ILE:O	2.15	0.46
3:5l:40:ILE:HD12	3:5l:95:LEU:HD23	1.96	0.46
3:5l:53:ASN:ND2	3:5l:53:ASN:N	2.60	0.46
1:E:666:PHE:HE2	1:K:371:MET:HG3	1.80	0.46
1:J:710:VAL:O	1:J:713:THR:OG1	2.27	0.46
1:T:666:PHE:HE2	1:z:371:MET:HG3	1.80	0.46
1:V:666:PHE:HE2	1:X:371:MET:HG3	1.80	0.46
1:a:371:MET:HG3	1:e:666:PHE:HE2	1.80	0.46
1:d:238:ARG:NH2	1:d:238:ARG:CG	2.73	0.46
1:q:555:GLU:H	1:q:555:GLU:CD	2.17	0.46
1:4:578:SER:HB3	1:4:592:THR:HG21	1.96	0.46
1:6:578:SER:HB3	1:6:592:THR:HG21	1.96	0.46
2:Vh:25:GLU:CD	2:Vh:25:GLU:N	2.73	0.46
2:Wh:69:ILE:HG12	2:Wh:84:LEU:CD1	2.46	0.46
2:Xh:25:GLU:OE2	2:Xh:144:GLY:CA	2.60	0.46
2:Zh:21:LEU:HD13	2:Zh:46:GLY:HA3	1.98	0.46
2:dh:21:LEU:HD13	2:dh:46:GLY:HA3	1.98	0.46
2:ih:25:GLU:CD	2:ih:25:GLU:N	2.73	0.46
2:kh:69:ILE:HG12	2:kh:84:LEU:CD1	2.46	0.46
2:kh:69:ILE:CG2	2:kh:88:VAL:HG11	2.42	0.46
2:lh:21:LEU:HD13	2:lh:46:GLY:HA3	1.97	0.46
2:oh:69:ILE:HG12	2:oh:84:LEU:CD1	2.46	0.46
2:ph:21:LEU:HD13	2:ph:46:GLY:HA3	1.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:qh:25:GLU:OE2	2:qh:144:GLY:CA	2.60	0.46
2:sh:25:GLU:CD	2:sh:25:GLU:N	2.73	0.46
2:sh:69:ILE:CG2	2:sh:88:VAL:HG11	2.42	0.46
2:th:25:GLU:CD	2:th:25:GLU:N	2.73	0.46
2:wh:21:LEU:HD13	2:wh:46:GLY:HA3	1.98	0.46
2:4h:21:LEU:HD13	2:4h:46:GLY:HA3	1.98	0.46
2:5h:106:VAL:CG2	2:5h:110:ASP:CG	2.81	0.46
3:Sl:40:ILE:HD12	3:Sl:95:LEU:HD23	1.96	0.46
3:dl:40:ILE:HD12	3:dl:95:LEU:HD23	1.96	0.46
3:rl:37:SER:HA	3:rl:97:ILE:O	2.15	0.46
3:vl:40:ILE:HD12	3:vl:95:LEU:HD23	1.96	0.46
3:4l:40:ILE:HD12	3:4l:95:LEU:HD23	1.96	0.46
3:6l:53:ASN:ND2	3:6l:53:ASN:N	2.60	0.46
1:I:666:PHE:HE2	1:3:371:MET:HG3	1.80	0.46
2:Ih:21:LEU:HD13	2:Ih:46:GLY:HA3	1.97	0.46
2:Oh:69:ILE:HG12	2:Oh:84:LEU:CD1	2.46	0.46
2:ah:69:ILE:HG12	2:ah:84:LEU:CD1	2.46	0.46
2:jh:21:LEU:HD13	2:jh:46:GLY:HA3	1.97	0.46
2:kh:54:TYR:HB2	2:kh:119:HIS:HB3	1.98	0.46
2:rh:21:LEU:HD13	2:rh:46:GLY:HA3	1.97	0.46
2:sh:54:TYR:HB2	2:sh:119:HIS:HB3	1.98	0.46
2:2h:21:LEU:HD13	2:2h:46:GLY:HA3	1.97	0.46
2:5h:25:GLU:OE2	2:5h:144:GLY:CA	2.60	0.46
3:Ll:40:ILE:HD12	3:Ll:95:LEU:HD23	1.96	0.46
3:bl:37:SER:HA	3:bl:97:ILE:O	2.15	0.46
3:jl:37:SER:HA	3:jl:97:ILE:O	2.15	0.46
1:C:578:SER:HB3	1:C:592:THR:HG21	1.96	0.46
1:W:580:SER:O	1:l:484:ARG:HD3	2.16	0.46
1:Y:235:MET:HE3	1:Y:235:MET:HB2	1.85	0.46
1:Z:397:TYR:HA	1:t:230:CYS:HB3	1.97	0.46
1:d:578:SER:HB3	1:d:592:THR:HG21	1.96	0.46
1:i:230:CYS:HB3	1:6:397:TYR:HA	1.97	0.46
1:m:371:MET:HG3	1:q:666:PHE:HE2	1.80	0.46
1:x:578:SER:HB3	1:x:592:THR:HG21	1.96	0.46
2:Gh:69:ILE:HG12	2:Gh:84:LEU:CD1	2.46	0.46
2:Jh:25:GLU:OE2	2:Jh:144:GLY:CA	2.60	0.46
2:Nh:69:ILE:HG12	2:Nh:84:LEU:CD1	2.46	0.46
2:Wh:21:LEU:HD13	2:Wh:46:GLY:HA3	1.97	0.46
2:fh:69:ILE:HG12	2:fh:84:LEU:CD1	2.46	0.46
2:oh:106:VAL:CG2	2:oh:110:ASP:CG	2.81	0.46
2:ph:69:ILE:HG12	2:ph:84:LEU:CD1	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:vh:69:ILE:HG12	2:vh:84:LEU:CD1	2.46	0.46
2:vh:106:VAL:CG2	2:vh:110:ASP:CG	2.81	0.46
2:xh:21:LEU:HD13	2:xh:46:GLY:HA3	1.97	0.46
2:zh:21:LEU:HD13	2:zh:46:GLY:HA3	1.98	0.46
2:7h:69:ILE:HG12	2:7h:84:LEU:CD1	2.46	0.46
3:Al:37:SER:HA	3:Al:97:ILE:O	2.15	0.46
3:Ml:37:SER:HA	3:Ml:97:ILE:O	2.15	0.46
3:Ql:37:SER:HA	3:Ql:97:ILE:O	2.15	0.46
3:Tl:31:SER:CA	3:Tl:128:THR:O	2.40	0.46
3:Zl:53:ASN:ND2	3:Zl:53:ASN:N	2.60	0.46
1:B:230:CYS:HB3	1:g:397:TYR:HA	1.97	0.46
1:B:371:MET:HG3	1:g:666:PHE:HE2	1.80	0.46
1:E:230:CYS:HB3	1:c:397:TYR:HA	1.97	0.46
1:E:657:PRO:HB3	1:E:666:PHE:CZ	2.32	0.46
1:G:238:ARG:HH12	1:G:309:LYS:HE2	1.81	0.46
1:H:666:PHE:HE2	1:h:371:MET:HG3	1.80	0.46
1:I:397:TYR:HA	1:3:230:CYS:HB3	1.97	0.46
1:I:580:SER:O	1:2:484:ARG:HD3	2.16	0.46
1:O:238:ARG:HH12	1:O:309:LYS:HE2	1.81	0.46
1:P:230:CYS:HB3	1:3:397:TYR:HA	1.97	0.46
1:T:238:ARG:HH12	1:T:309:LYS:HE2	1.81	0.46
1:Y:230:CYS:HB3	1:d:397:TYR:HA	1.97	0.46
1:g:238:ARG:HH12	1:g:309:LYS:HE2	1.81	0.46
1:k:371:MET:HG3	1:p:666:PHE:HE2	1.80	0.46
1:u:238:ARG:HH12	1:u:309:LYS:HE2	1.81	0.46
1:u:555:GLU:H	1:u:555:GLU:CD	2.17	0.46
1:v:238:ARG:HH12	1:v:309:LYS:HE2	1.81	0.46
1:x:238:ARG:HH12	1:x:309:LYS:HE2	1.81	0.46
1:0:397:TYR:HA	1:6:230:CYS:HB3	1.97	0.46
1:4:238:ARG:NH2	1:4:238:ARG:CG	2.73	0.46
1:5:235:MET:HE3	1:5:235:MET:HB2	1.85	0.46
1:5:666:PHE:HE2	1:7:371:MET:HG3	1.80	0.46
2:Bh:21:LEU:HD13	2:Bh:46:GLY:HA3	1.98	0.46
2:Ch:21:LEU:HD13	2:Ch:46:GLY:HA3	1.97	0.46
2:Dh:54:TYR:HB2	2:Dh:119:HIS:HB3	1.98	0.46
2:Fh:21:LEU:HD13	2:Fh:46:GLY:HA3	1.97	0.46
2:Fh:69:ILE:HG12	2:Fh:84:LEU:CD1	2.46	0.46
2:Th:21:LEU:HD13	2:Th:46:GLY:HA3	1.97	0.46
2:Vh:69:ILE:HG12	2:Vh:84:LEU:CD1	2.46	0.46
2:hh:106:VAL:CG2	2:hh:110:ASP:CG	2.81	0.46
2:kh:21:LEU:HD13	2:kh:46:GLY:HA3	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:kh:25:GLU:CD	2:kh:25:GLU:N	2.73	0.46
2:mh:25:GLU:CD	2:mh:25:GLU:N	2.73	0.46
2:rh:69:ILE:HG12	2:rh:84:LEU:CD1	2.46	0.46
2:rh:69:ILE:CG2	2:rh:88:VAL:HG11	2.42	0.46
2:wh:69:ILE:HG12	2:wh:84:LEU:CD1	2.46	0.46
2:xh:69:ILE:HG12	2:xh:84:LEU:CD1	2.46	0.46
2:yh:54:TYR:HB2	2:yh:119:HIS:HB3	1.98	0.46
2:0h:25:GLU:CD	2:0h:25:GLU:N	2.73	0.46
3:El:33:SER:O	3:El:100:LEU:HB2	2.16	0.46
3:Il:33:SER:O	3:Il:100:LEU:HB2	2.16	0.46
3:vl:37:SER:HA	3:vl:97:ILE:O	2.15	0.46
3:2l:33:SER:O	3:2l:100:LEU:HB2	2.16	0.46
1:A:371:MET:HG3	1:j:666:PHE:HE2	1.80	0.46
1:C:235:MET:HE3	1:C:235:MET:HB2	1.85	0.46
1:C:238:ARG:HH12	1:C:309:LYS:HE2	1.81	0.46
1:D:238:ARG:HH12	1:D:309:LYS:HE2	1.81	0.46
1:F:580:SER:O	1:U:484:ARG:HD3	2.16	0.46
1:G:484:ARG:HD3	1:4:580:SER:O	2.16	0.46
1:H:230:CYS:HB3	1:4:397:TYR:HA	1.97	0.46
1:J:238:ARG:HH12	1:J:309:LYS:HE2	1.81	0.46
1:J:371:MET:HG3	1:f:666:PHE:HE2	1.80	0.46
1:J:555:GLU:H	1:J:555:GLU:CD	2.17	0.46
1:L:657:PRO:HB3	1:L:666:PHE:CZ	2.32	0.46
1:N:580:SER:O	1:h:484:ARG:HD3	2.16	0.46
1:P:484:ARG:HD3	1:f:580:SER:O	2.16	0.46
1:P:666:PHE:HE2	1:R:371:MET:HG3	1.80	0.46
1:T:397:TYR:HA	1:z:230:CYS:HB3	1.97	0.46
1:U:371:MET:HG3	1:Y:666:PHE:HE2	1.80	0.46
1:W:397:TYR:HA	1:c:230:CYS:HB3	1.97	0.46
1:X:238:ARG:HH12	1:X:309:LYS:HE2	1.81	0.46
1:X:710:VAL:O	1:X:713:THR:OG1	2.27	0.46
1:Z:230:CYS:HB3	1:m:397:TYR:HA	1.97	0.46
1:a:341:GLN:HE21	1:a:402:MET:HE3	1.81	0.46
1:i:371:MET:HG3	1:6:666:PHE:HE2	1.80	0.46
1:n:238:ARG:HH12	1:n:309:LYS:HE2	1.81	0.46
1:o:238:ARG:HH12	1:o:309:LYS:HE2	1.81	0.46
1:t:580:SER:O	1:6:484:ARG:HD3	2.16	0.46
1:w:238:ARG:HH12	1:w:309:LYS:HE2	1.81	0.46
1:1:238:ARG:HH12	1:1:309:LYS:HE2	1.81	0.46
1:7:341:GLN:HE21	1:7:402:MET:HE3	1.81	0.46
2:Ch:69:ILE:HG12	2:Ch:84:LEU:CD1	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Fh:54:TYR:HB2	2:Fh:119:HIS:HB3	1.98	0.46
2:Jh:69:ILE:HG12	2:Jh:84:LEU:CD1	2.46	0.46
2:Nh:54:TYR:HB2	2:Nh:119:HIS:HB3	1.98	0.46
2:Uh:21:LEU:HD13	2:Uh:46:GLY:HA3	1.98	0.46
2:Uh:54:TYR:HB2	2:Uh:119:HIS:HB3	1.98	0.46
2:Vh:54:TYR:HB2	2:Vh:119:HIS:HB3	1.98	0.46
2:Xh:69:ILE:HG12	2:Xh:84:LEU:CD1	2.46	0.46
2:dh:54:TYR:HB2	2:dh:119:HIS:HB3	1.98	0.46
2:fh:54:TYR:HB2	2:fh:119:HIS:HB3	1.98	0.46
2:gh:21:LEU:HD13	2:gh:46:GLY:HA3	1.97	0.46
2:hh:54:TYR:HB2	2:hh:119:HIS:HB3	1.98	0.46
2:jh:69:ILE:HG12	2:jh:84:LEU:CD1	2.46	0.46
2:jh:69:ILE:CG2	2:jh:88:VAL:HG11	2.42	0.46
2:sh:21:LEU:HD13	2:sh:46:GLY:HA3	1.97	0.46
2:0h:69:ILE:HG12	2:0h:84:LEU:CD1	2.46	0.46
2:4h:54:TYR:HB2	2:4h:119:HIS:HB3	1.98	0.46
3:Pl:33:SER:O	3:Pl:100:LEU:HB2	2.16	0.46
3:ol:37:SER:HA	3:ol:97:ILE:O	2.15	0.46
3:pl:33:SER:O	3:pl:100:LEU:HB2	2.16	0.46
3:wl:33:SER:O	3:wl:100:LEU:HB2	2.16	0.46
1:C:230:CYS:HB3	1:G:397:TYR:HA	1.97	0.46
1:C:371:MET:HG3	1:G:666:PHE:HE2	1.80	0.46
1:C:397:TYR:HA	1:f:230:CYS:HB3	1.97	0.46
1:D:580:SER:O	1:Q:484:ARG:HD3	2.16	0.46
1:D:666:PHE:HE2	1:F:371:MET:HG3	1.80	0.46
1:J:397:TYR:HA	1:L:230:CYS:HB3	1.97	0.46
1:J:666:PHE:HE2	1:L:371:MET:HG3	1.81	0.46
1:L:484:ARG:HD3	1:k:580:SER:O	2.16	0.46
1:O:397:TYR:HA	1:x:230:CYS:HB3	1.97	0.46
1:O:484:ARG:HD3	1:d:580:SER:O	2.16	0.46
1:S:230:CYS:HB3	1:X:397:TYR:HA	1.97	0.46
1:S:484:ARG:HD3	1:s:580:SER:O	2.16	0.46
1:V:238:ARG:HH12	1:V:309:LYS:HE2	1.81	0.46
1:Z:484:ARG:HD3	1:i:580:SER:O	2.16	0.46
1:Z:666:PHE:HE2	1:t:371:MET:HG3	1.80	0.46
1:i:238:ARG:HH12	1:i:309:LYS:HE2	1.81	0.46
1:n:666:PHE:HE2	1:p:371:MET:HG3	1.81	0.46
1:p:238:ARG:HH12	1:p:309:LYS:HE2	1.81	0.46
1:p:341:GLN:HE21	1:p:402:MET:HE3	1.81	0.46
1:q:238:ARG:HH12	1:q:309:LYS:HE2	1.81	0.46
1:s:371:MET:HG3	1:w:666:PHE:HE2	1.80	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:w:341:GLN:HE21	1:w:402:MET:HE3	1.81	0.46
1:w:371:MET:HG3	1:1:666:PHE:HE2	1.81	0.46
1:y:238:ARG:HH12	1:y:309:LYS:HE2	1.81	0.46
1:z:710:VAL:O	1:z:713:THR:OG1	2.27	0.46
2:Ah:69:ILE:CG2	2:Ah:88:VAL:HG11	2.42	0.46
2:Jh:54:TYR:HB2	2:Jh:119:HIS:HB3	1.98	0.46
2:Nh:21:LEU:HD13	2:Nh:46:GLY:HA3	1.98	0.46
2:Sh:54:TYR:HB2	2:Sh:119:HIS:HB3	1.98	0.46
2:Xh:54:TYR:HB2	2:Xh:119:HIS:HB3	1.98	0.46
2:bh:69:ILE:CG2	2:bh:88:VAL:HG11	2.42	0.46
2:hh:21:LEU:HD13	2:hh:46:GLY:HA3	1.98	0.46
2:mh:69:ILE:HG12	2:mh:84:LEU:CD1	2.46	0.46
2:vh:54:TYR:HB2	2:vh:119:HIS:HB3	1.98	0.46
3:Fl:33:SER:O	3:Fl:100:LEU:HB2	2.16	0.46
3:Nl:33:SER:O	3:Nl:100:LEU:HB2	2.16	0.46
3:Rl:33:SER:O	3:Rl:100:LEU:HB2	2.16	0.46
3:Yl:33:SER:O	3:Yl:100:LEU:HB2	2.16	0.46
3:dl:30:GLU:O	3:dl:128:THR:OG1	2.32	0.46
3:dl:33:SER:O	3:dl:100:LEU:HB2	2.16	0.46
3:4l:33:SER:O	3:4l:100:LEU:HB2	2.16	0.46
1:A:484:ARG:HD3	1:C:580:SER:O	2.16	0.45
1:B:657:PRO:HB3	1:B:666:PHE:CZ	2.32	0.45
1:C:341:GLN:HE21	1:C:402:MET:HE3	1.81	0.45
1:E:238:ARG:HH12	1:E:309:LYS:HE2	1.81	0.45
1:H:484:ARG:HD3	1:O:580:SER:O	2.16	0.45
1:H:580:SER:O	1:n:484:ARG:HD3	2.16	0.45
1:K:580:SER:O	1:x:484:ARG:HD3	2.16	0.45
1:M:484:ARG:HD3	1:y:580:SER:O	2.16	0.45
1:O:371:MET:HG3	1:S:666:PHE:HE2	1.80	0.45
1:P:238:ARG:HH12	1:P:309:LYS:HE2	1.81	0.45
1:S:371:MET:HG3	1:X:666:PHE:HE2	1.80	0.45
1:Y:580:SER:O	1:1:484:ARG:HD3	2.16	0.45
1:a:238:ARG:HH12	1:a:309:LYS:HE2	1.81	0.45
1:c:580:SER:O	1:f:484:ARG:HD3	2.16	0.45
1:j:238:ARG:HH12	1:j:309:LYS:HE2	1.81	0.45
1:j:341:GLN:HE21	1:j:402:MET:HE3	1.82	0.45
1:r:238:ARG:NH2	1:r:238:ARG:CG	2.73	0.45
1:r:238:ARG:HH12	1:r:309:LYS:HE2	1.81	0.45
1:r:341:GLN:HE21	1:r:402:MET:HE3	1.82	0.45
1:t:238:ARG:HH12	1:t:309:LYS:HE2	1.81	0.45
1:x:341:GLN:HE21	1:x:402:MET:HE3	1.81	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Ah:21:LEU:HD13	2:Ah:46:GLY:HA3	1.98	0.45
2:Gh:21:LEU:HD13	2:Gh:46:GLY:HA3	1.97	0.45
2:Hh:21:LEU:HD13	2:Hh:46:GLY:HA3	1.98	0.45
2:Lh:54:TYR:HB2	2:Lh:119:HIS:HB3	1.98	0.45
2:Lh:69:ILE:HG12	2:Lh:84:LEU:CD1	2.46	0.45
2:Oh:21:LEU:HD13	2:Oh:46:GLY:HA3	1.97	0.45
2:Ph:54:TYR:HB2	2:Ph:119:HIS:HB3	1.98	0.45
2:Rh:69:ILE:HG12	2:Rh:84:LEU:CD1	2.46	0.45
2:bh:21:LEU:HD13	2:bh:46:GLY:HA3	1.97	0.45
2:dh:69:ILE:HG12	2:dh:84:LEU:CD1	2.46	0.45
2:mh:54:TYR:HB2	2:mh:119:HIS:HB3	1.98	0.45
2:oh:54:TYR:HB2	2:oh:119:HIS:HB3	1.98	0.45
2:4h:69:ILE:HG12	2:4h:84:LEU:CD1	2.46	0.45
3:Gl:33:SER:O	3:Gl:100:LEU:HB2	2.16	0.45
3:Hl:33:SER:O	3:Hl:100:LEU:HB2	2.16	0.45
3:Kl:33:SER:O	3:Kl:100:LEU:HB2	2.16	0.45
3:Ol:33:SER:O	3:Ol:100:LEU:HB2	2.16	0.45
3:Ul:33:SER:O	3:Ul:100:LEU:HB2	2.16	0.45
3:cl:33:SER:O	3:cl:100:LEU:HB2	2.16	0.45
3:gl:31:SER:CA	3:gl:128:THR:O	2.40	0.45
3:hl:33:SER:O	3:hl:100:LEU:HB2	2.16	0.45
3:3l:33:SER:O	3:3l:100:LEU:HB2	2.16	0.45
3:7l:33:SER:O	3:7l:100:LEU:HB2	2.16	0.45
1:A:397:TYR:HA	1:4:230:CYS:HB3	1.97	0.45
1:B:484:ARG:HD3	1:6:580:SER:O	2.16	0.45
1:B:666:PHE:HE2	1:n:371:MET:HG3	1.80	0.45
1:C:484:ARG:HD3	1:R:580:SER:O	2.16	0.45
1:E:484:ARG:HD3	1:V:580:SER:O	2.17	0.45
1:H:235:MET:HE3	1:H:235:MET:HB2	1.85	0.45
1:H:657:PRO:HB3	1:H:666:PHE:CZ	2.32	0.45
1:L:238:ARG:HH12	1:L:309:LYS:HE2	1.81	0.45
1:N:371:MET:HG3	1:y:666:PHE:HE2	1.80	0.45
1:O:666:PHE:HE2	1:x:371:MET:HG3	1.80	0.45
1:S:657:PRO:HB3	1:S:666:PHE:CZ	2.32	0.45
1:T:484:ARG:HD3	1:o:580:SER:O	2.16	0.45
1:Y:484:ARG:HD3	1:m:580:SER:O	2.16	0.45
1:Z:580:SER:O	1:z:484:ARG:HD3	2.16	0.45
1:a:580:SER:O	1:k:484:ARG:HD3	2.16	0.45
1:f:238:ARG:HH12	1:f:309:LYS:HE2	1.81	0.45
1:g:484:ARG:HD3	1:v:580:SER:O	2.16	0.45
1:k:341:GLN:HE21	1:k:402:MET:HE3	1.82	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:341:GLN:HE21	1:n:402:MET:HE3	1.81	0.45
1:q:371:MET:HG3	1:v:666:PHE:HE2	1.80	0.45
1:z:238:ARG:HH12	1:z:309:LYS:HE2	1.81	0.45
1:1:341:GLN:HE21	1:1:402:MET:HE3	1.81	0.45
1:7:238:ARG:HH12	1:7:309:LYS:HE2	1.81	0.45
2:Dh:21:LEU:HD13	2:Dh:46:GLY:HA3	1.98	0.45
2:Eh:54:TYR:HB2	2:Eh:119:HIS:HB3	1.98	0.45
2:Ih:54:TYR:HB2	2:Ih:119:HIS:HB3	1.98	0.45
2:Mh:25:GLU:OE2	2:Mh:144:GLY:CA	2.60	0.45
2:Sh:69:ILE:HG12	2:Sh:84:LEU:CD1	2.46	0.45
2:Yh:21:LEU:HD13	2:Yh:46:GLY:HA3	1.97	0.45
2:oh:21:LEU:HD13	2:oh:46:GLY:HA3	1.98	0.45
2:qh:69:ILE:HG12	2:qh:84:LEU:CD1	2.46	0.45
2:th:54:TYR:HB2	2:th:119:HIS:HB3	1.98	0.45
2:vh:21:LEU:HD13	2:vh:46:GLY:HA3	1.97	0.45
2:yh:21:LEU:HD13	2:yh:46:GLY:HA3	1.98	0.45
2:0h:54:TYR:HB2	2:0h:119:HIS:HB3	1.98	0.45
3:Bl:33:SER:O	3:Bl:100:LEU:HB2	2.16	0.45
3:al:33:SER:O	3:al:100:LEU:HB2	2.16	0.45
3:dl:31:SER:CA	3:dl:128:THR:O	2.40	0.45
3:xl:33:SER:O	3:xl:100:LEU:HB2	2.16	0.45
3:zl:33:SER:O	3:zl:100:LEU:HB2	2.16	0.45
3:4l:30:GLU:O	3:4l:128:THR:OG1	2.32	0.45
1:A:238:ARG:HH12	1:A:309:LYS:HE2	1.81	0.45
1:B:238:ARG:HH12	1:B:309:LYS:HE2	1.81	0.45
1:B:710:VAL:O	1:B:713:THR:OG1	2.27	0.45
1:D:555:GLU:H	1:D:555:GLU:CD	2.17	0.45
1:G:371:MET:HG3	1:L:666:PHE:HE2	1.80	0.45
1:M:580:SER:O	1:j:484:ARG:HD3	2.16	0.45
1:Q:580:SER:O	1:r:484:ARG:HD3	2.16	0.45
1:S:238:ARG:HH12	1:S:309:LYS:HE2	1.81	0.45
1:X:555:GLU:H	1:X:555:GLU:CD	2.17	0.45
1:a:230:CYS:HB3	1:e:397:TYR:HA	1.97	0.45
1:d:238:ARG:HH12	1:d:309:LYS:HE2	1.81	0.45
1:s:341:GLN:HE21	1:s:402:MET:HE3	1.82	0.45
1:s:484:ARG:HD3	1:7:580:SER:O	2.16	0.45
1:y:555:GLU:H	1:y:555:GLU:CD	2.17	0.45
1:z:666:PHE:HE2	1:1:371:MET:HG3	1.80	0.45
1:4:238:ARG:HH12	1:4:309:LYS:HE2	1.81	0.45
1:5:238:ARG:HH12	1:5:309:LYS:HE2	1.81	0.45
2:Eh:21:LEU:HD13	2:Eh:46:GLY:HA3	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Kh:69:ILE:HG12	2:Kh:84:LEU:CD1	2.46	0.45
2:Ph:21:LEU:HD13	2:Ph:46:GLY:HA3	1.98	0.45
2:Wh:54:TYR:HB2	2:Wh:119:HIS:HB3	1.98	0.45
2:Zh:69:ILE:HG12	2:Zh:84:LEU:CD1	2.46	0.45
2:ih:54:TYR:HB2	2:ih:119:HIS:HB3	1.98	0.45
3:Cl:33:SER:O	3:Cl:100:LEU:HB2	2.16	0.45
3:Ml:33:SER:O	3:Ml:100:LEU:HB2	2.16	0.45
3:Ql:33:SER:O	3:Ql:100:LEU:HB2	2.16	0.45
3:gl:33:SER:O	3:gl:100:LEU:HB2	2.16	0.45
1:A:341:GLN:HE21	1:A:402:MET:HE3	1.81	0.45
1:B:580:SER:O	1:t:484:ARG:HD3	2.16	0.45
1:I:238:ARG:HH12	1:I:309:LYS:HE2	1.81	0.45
1:M:341:GLN:HE21	1:M:402:MET:HE3	1.81	0.45
1:N:397:TYR:HA	1:5:230:CYS:HB3	1.97	0.45
1:W:238:ARG:HH12	1:W:309:LYS:HE2	1.81	0.45
1:b:238:ARG:HH12	1:b:309:LYS:HE2	1.81	0.45
1:c:341:GLN:HE21	1:c:402:MET:HE3	1.82	0.45
1:e:238:ARG:HH12	1:e:309:LYS:HE2	1.81	0.45
1:i:484:ARG:HD3	1:z:580:SER:O	2.16	0.45
1:j:238:ARG:NH2	1:j:238:ARG:CG	2.73	0.45
1:m:341:GLN:HE21	1:m:402:MET:HE3	1.81	0.45
1:o:341:GLN:HE21	1:o:402:MET:HE3	1.82	0.45
1:s:230:CYS:HB3	1:w:397:TYR:HA	1.97	0.45
1:s:238:ARG:HH12	1:s:309:LYS:HE2	1.81	0.45
1:v:341:GLN:HE21	1:v:402:MET:HE3	1.81	0.45
1:0:341:GLN:HE21	1:0:402:MET:HE3	1.81	0.45
1:3:341:GLN:HE21	1:3:402:MET:HE3	1.82	0.45
1:5:397:TYR:HA	1:7:230:CYS:HB3	1.97	0.45
2:Ah:25:GLU:OE2	2:Ah:144:GLY:CA	2.60	0.45
2:Lh:106:VAL:CG2	2:Lh:110:ASP:CG	2.81	0.45
2:ch:21:LEU:HD13	2:ch:46:GLY:HA3	1.98	0.45
2:ih:69:ILE:HG12	2:ih:84:LEU:CD1	2.46	0.45
2:3h:21:LEU:HD13	2:3h:46:GLY:HA3	1.98	0.45
2:5h:69:ILE:HG12	2:5h:84:LEU:CD1	2.46	0.45
2:6h:69:ILE:HG12	2:6h:84:LEU:CD1	2.46	0.45
3:Al:33:SER:O	3:Al:100:LEU:HB2	2.16	0.45
3:Ll:33:SER:O	3:Ll:100:LEU:HB2	2.16	0.45
3:Tl:33:SER:O	3:Tl:100:LEU:HB2	2.16	0.45
3:Zl:47:SER:HB3	3:Zl:50:VAL:HB	1.99	0.45
3:bl:30:GLU:O	3:bl:128:THR:OG1	2.32	0.45
3:bl:33:SER:O	3:bl:100:LEU:HB2	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:nl:47:SER:HB3	3:nl:50:VAL:HB	1.99	0.45
3:sl:33:SER:O	3:sl:100:LEU:HB2	2.16	0.45
3:ol:33:SER:O	3:ol:100:LEU:HB2	2.16	0.45
3:ll:47:SER:HB3	3:ll:50:VAL:HB	1.99	0.45
1:D:371:MET:HG3	1:l:666:PHE:HE2	1.80	0.45
1:F:397:TYR:HA	1:e:230:CYS:HB3	1.97	0.45
1:F:484:ARG:HD3	1:q:580:SER:O	2.16	0.45
1:N:238:ARG:HH12	1:N:309:LYS:HE2	1.81	0.45
1:Q:341:GLN:HE21	1:Q:402:MET:HE3	1.81	0.45
1:b:341:GLN:HE21	1:b:402:MET:HE3	1.82	0.45
1:d:484:ARG:HD3	1:w:580:SER:O	2.16	0.45
1:k:230:CYS:HB3	1:p:397:TYR:HA	1.97	0.45
1:k:238:ARG:HH12	1:k:309:LYS:HE2	1.81	0.45
1:m:238:ARG:HH12	1:m:309:LYS:HE2	1.81	0.45
1:y:578:SER:HB3	1:y:592:THR:HG21	1.96	0.45
2:Qh:25:GLU:OE2	2:Qh:144:GLY:CA	2.60	0.45
2:Zh:54:TYR:HB2	2:Zh:119:HIS:HB3	1.98	0.45
2:eh:69:ILE:HG12	2:eh:84:LEU:CD1	2.46	0.45
2:gh:69:ILE:CG2	2:gh:88:VAL:HG11	2.42	0.45
2:th:69:ILE:HG12	2:th:84:LEU:CD1	2.46	0.45
2:uh:69:ILE:HG12	2:uh:84:LEU:CD1	2.46	0.45
2:zh:25:GLU:OE2	2:zh:144:GLY:CA	2.60	0.45
3:Il:33:SER:O	3:Il:100:LEU:HB2	2.16	0.45
3:Sl:33:SER:O	3:Sl:100:LEU:HB2	2.16	0.45
3:Tl:47:SER:HB3	3:Tl:50:VAL:HB	1.99	0.45
3:bl:47:SER:HB3	3:bl:50:VAL:HB	1.99	0.45
3:el:47:SER:HB3	3:el:50:VAL:HB	1.99	0.45
3:il:33:SER:O	3:il:100:LEU:HB2	2.16	0.45
3:ml:33:SER:O	3:ml:100:LEU:HB2	2.16	0.45
3:sl:47:SER:HB3	3:sl:50:VAL:HB	1.99	0.45
3:5l:47:SER:HB3	3:5l:50:VAL:HB	1.99	0.45
3:6l:47:SER:HB3	3:6l:50:VAL:HB	1.99	0.45
1:Q:397:TYR:HA	1:W:230:CYS:HB3	1.97	0.45
1:V:371:MET:HG3	1:x:666:PHE:HE2	1.80	0.45
1:Z:238:ARG:HH12	1:Z:309:LYS:HE2	1.81	0.45
1:b:484:ARG:HD3	1:x:580:SER:O	2.16	0.45
1:c:238:ARG:HH12	1:c:309:LYS:HE2	1.81	0.45
1:m:238:ARG:NH2	1:m:238:ARG:CG	2.73	0.45
1:o:666:PHE:HE2	1:u:371:MET:HG3	1.81	0.45
1:p:580:SER:O	1:4:484:ARG:HD3	2.16	0.45
1:y:371:MET:HG3	1:2:666:PHE:HE2	1.80	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:0:238:ARG:HH12	1:0:309:LYS:HE2	1.81	0.45
2:Ch:34:SER:O	2:Ch:34:SER:OG	2.34	0.45
2:Gh:25:GLU:OE2	2:Gh:144:GLY:CA	2.60	0.45
2:Sh:25:GLU:OE2	2:Sh:144:GLY:CA	2.60	0.45
2:Th:54:TYR:HB2	2:Th:119:HIS:HB3	1.98	0.45
2:Yh:25:GLU:OE2	2:Yh:144:GLY:CA	2.60	0.45
2:bh:25:GLU:OE2	2:bh:144:GLY:CA	2.60	0.45
2:fh:21:LEU:HD13	2:fh:46:GLY:HA3	1.98	0.45
2:lh:69:ILE:HG12	2:lh:84:LEU:CD1	2.46	0.45
2:zh:54:TYR:HB2	2:zh:119:HIS:HB3	1.98	0.45
2:2h:54:TYR:HB2	2:2h:119:HIS:HB3	1.98	0.45
2:6h:54:TYR:HB2	2:6h:119:HIS:HB3	1.98	0.45
3:Al:47:SER:HB3	3:Al:50:VAL:HB	1.99	0.45
3:Fl:47:SER:HB3	3:Fl:50:VAL:HB	1.99	0.45
3:Nl:47:SER:HB3	3:Nl:50:VAL:HB	1.99	0.45
3:Wl:33:SER:O	3:Wl:100:LEU:HB2	2.16	0.45
3:al:47:SER:HB3	3:al:50:VAL:HB	1.99	0.45
3:gl:47:SER:HB3	3:gl:50:VAL:HB	1.99	0.45
3:kl:33:SER:O	3:kl:100:LEU:HB2	2.16	0.45
3:rl:33:SER:O	3:rl:100:LEU:HB2	2.16	0.45
3:tl:33:SER:O	3:tl:100:LEU:HB2	2.16	0.45
1:C:666:PHE:HE2	1:f:371:MET:HG3	1.80	0.45
1:D:484:ARG:HD3	1:r:580:SER:O	2.16	0.45
1:F:238:ARG:HH12	1:F:309:LYS:HE2	1.81	0.45
1:I:230:CYS:HB3	1:M:397:TYR:HA	1.97	0.45
1:I:555:GLU:H	1:I:555:GLU:CD	2.17	0.45
1:J:341:GLN:HE21	1:J:402:MET:HE3	1.81	0.45
1:N:341:GLN:HE21	1:N:402:MET:HE3	1.82	0.45
1:N:484:ARG:HD3	1:u:580:SER:O	2.17	0.45
1:Q:238:ARG:HH12	1:Q:309:LYS:HE2	1.81	0.45
1:X:484:ARG:HD3	1:2:580:SER:O	2.16	0.45
1:d:341:GLN:HE21	1:d:402:MET:HE3	1.81	0.45
1:e:580:SER:O	1:v:484:ARG:HD3	2.16	0.45
1:n:397:TYR:HA	1:p:230:CYS:HB3	1.97	0.45
1:w:230:CYS:HB3	1:1:397:TYR:HA	1.97	0.45
1:z:657:PRO:HB3	1:z:666:PHE:CZ	2.32	0.45
1:3:238:ARG:HH12	1:3:309:LYS:HE2	1.81	0.45
1:4:341:GLN:HE21	1:4:402:MET:HE3	1.81	0.45
2:Hh:54:TYR:HB2	2:Hh:119:HIS:HB3	1.98	0.45
2:Kh:54:TYR:HB2	2:Kh:119:HIS:HB3	1.98	0.45
2:Xh:21:LEU:HD13	2:Xh:46:GLY:HA3	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:lh:54:TYR:HB2	2:lh:119:HIS:HB3	1.98	0.45
2:2h:69:ILE:HG12	2:2h:84:LEU:CD1	2.46	0.45
3:Bl:47:SER:HB3	3:Bl:50:VAL:HB	1.99	0.45
3:Vl:33:SER:O	3:Vl:100:LEU:HB2	2.16	0.45
3:Xl:33:SER:O	3:Xl:100:LEU:HB2	2.16	0.45
3:fl:33:SER:O	3:fl:100:LEU:HB2	2.16	0.45
3:jl:33:SER:O	3:jl:100:LEU:HB2	2.16	0.45
3:kl:47:SER:HB3	3:kl:50:VAL:HB	1.99	0.45
3:pl:47:SER:HB3	3:pl:50:VAL:HB	1.99	0.45
3:ql:47:SER:HB3	3:ql:50:VAL:HB	1.99	0.45
3:wl:47:SER:HB3	3:wl:50:VAL:HB	1.99	0.45
3:zl:47:SER:HB3	3:zl:50:VAL:HB	1.99	0.45
3:7l:47:SER:HB3	3:7l:50:VAL:HB	1.99	0.45
1:D:578:SER:HB3	1:D:592:THR:HG21	1.96	0.45
1:F:341:GLN:HE21	1:F:402:MET:HE3	1.82	0.45
1:J:484:ARG:HD3	1:l:580:SER:O	2.16	0.45
1:M:238:ARG:HH12	1:M:309:LYS:HE2	1.81	0.45
1:U:238:ARG:HH12	1:U:309:LYS:HE2	1.81	0.45
1:X:341:GLN:HE21	1:X:402:MET:HE3	1.81	0.45
1:Y:657:PRO:HB3	1:Y:666:PHE:CZ	2.32	0.45
1:b:371:MET:HG3	1:r:666:PHE:HE2	1.80	0.45
1:f:341:GLN:HE21	1:f:402:MET:HE3	1.81	0.45
1:o:484:ARG:HD3	1:5:580:SER:O	2.16	0.45
1:z:341:GLN:HE21	1:z:402:MET:HE3	1.81	0.45
1:0:238:ARG:NH2	1:0:238:ARG:CG	2.73	0.45
1:2:341:GLN:HE21	1:2:402:MET:HE3	1.82	0.45
1:6:238:ARG:HH12	1:6:309:LYS:HE2	1.81	0.45
2:Bh:25:GLU:OE2	2:Bh:144:GLY:CA	2.60	0.45
2:Bh:54:TYR:HB2	2:Bh:119:HIS:HB3	1.98	0.45
2:Gh:54:TYR:HB2	2:Gh:119:HIS:HB3	1.98	0.45
2:Hh:25:GLU:OE2	2:Hh:144:GLY:CA	2.60	0.45
2:Jh:21:LEU:HD13	2:Jh:46:GLY:HA3	1.97	0.45
2:Rh:54:TYR:HB2	2:Rh:119:HIS:HB3	1.98	0.45
2:Th:69:ILE:CG2	2:Th:88:VAL:HG11	2.42	0.45
2:Vh:21:LEU:HD13	2:Vh:46:GLY:HA3	1.98	0.45
2:Yh:54:TYR:HB2	2:Yh:119:HIS:HB3	1.98	0.45
2:dh:25:GLU:OE2	2:dh:144:GLY:CA	2.60	0.45
2:eh:34:SER:O	2:eh:34:SER:OG	2.34	0.45
2:gh:54:TYR:HB2	2:gh:119:HIS:HB3	1.98	0.45
2:jh:54:TYR:HB2	2:jh:119:HIS:HB3	1.98	0.45
2:rh:54:TYR:HB2	2:rh:119:HIS:HB3	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Al:30:GLU:O	3:Al:128:THR:OG1	2.32	0.45
3:Jl:47:SER:HB3	3:Jl:50:VAL:HB	1.99	0.45
3:Xl:47:SER:HB3	3:Xl:50:VAL:HB	1.99	0.45
3:Zl:33:SER:O	3:Zl:100:LEU:HB2	2.16	0.45
3:hl:53:ASN:ND2	3:hl:53:ASN:N	2.60	0.45
3:ul:47:SER:HB3	3:ul:50:VAL:HB	1.99	0.45
3:ol:47:SER:HB3	3:ol:50:VAL:HB	1.99	0.45
3:6l:33:SER:O	3:6l:100:LEU:HB2	2.16	0.45
1:A:230:CYS:HB3	1:j:397:TYR:HA	1.99	0.45
1:B:341:GLN:HE21	1:B:402:MET:HE3	1.81	0.45
1:G:230:CYS:HB3	1:L:397:TYR:HA	1.97	0.45
1:I:484:ARG:HD3	1:X:580:SER:O	2.16	0.45
1:J:580:SER:O	1:W:484:ARG:HD3	2.16	0.45
1:K:484:ARG:HD3	1:b:580:SER:O	2.16	0.45
1:L:555:GLU:H	1:L:555:GLU:CD	2.17	0.45
1:O:230:CYS:HB3	1:S:397:TYR:HA	1.97	0.45
1:V:341:GLN:HE21	1:V:402:MET:HE3	1.81	0.45
1:W:555:GLU:H	1:W:555:GLU:CD	2.17	0.45
1:j:580:SER:O	1:y:484:ARG:HD3	2.16	0.45
1:l:341:GLN:HE21	1:l:402:MET:HE3	1.82	0.45
2:Lh:25:GLU:OE2	2:Lh:144:GLY:CA	2.60	0.45
2:Oh:25:GLU:OE2	2:Oh:144:GLY:CA	2.60	0.45
2:Oh:54:TYR:HB2	2:Oh:119:HIS:HB3	1.98	0.45
3:Jl:33:SER:O	3:Jl:100:LEU:HB2	2.16	0.45
3:el:33:SER:O	3:el:100:LEU:HB2	2.16	0.45
3:ml:47:SER:HB3	3:ml:50:VAL:HB	1.99	0.45
3:5l:33:SER:O	3:5l:100:LEU:HB2	2.16	0.45
1:E:341:GLN:HE21	1:E:402:MET:HE3	1.81	0.45
1:G:580:SER:O	1:p:484:ARG:HD3	2.16	0.45
1:H:238:ARG:HH12	1:H:309:LYS:HE2	1.81	0.45
1:H:555:GLU:H	1:H:555:GLU:CD	2.17	0.45
1:S:580:SER:O	1:7:484:ARG:HD3	2.16	0.45
1:T:580:SER:O	1:5:484:ARG:HD3	2.16	0.45
1:U:341:GLN:HE21	1:U:402:MET:HE3	1.82	0.45
1:Y:238:ARG:HH12	1:Y:309:LYS:HE2	1.81	0.45
1:Y:555:GLU:H	1:Y:555:GLU:CD	2.17	0.45
1:b:397:TYR:HA	1:d:230:CYS:HB3	1.97	0.45
1:h:238:ARG:HH12	1:h:309:LYS:HE2	1.81	0.45
1:u:238:ARG:NH2	1:u:238:ARG:CG	2.73	0.45
1:6:238:ARG:NH2	1:6:238:ARG:CG	2.73	0.45
2:Ah:54:TYR:HB2	2:Ah:119:HIS:HB3	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Wh:34:SER:O	2:Wh:34:SER:OG	2.34	0.45
2:5h:34:SER:O	2:5h:34:SER:OG	2.34	0.45
3:Ul:53:ASN:ND2	3:Ul:53:ASN:N	2.60	0.45
3:cl:47:SER:HB3	3:cl:50:VAL:HB	1.99	0.45
3:3l:47:SER:HB3	3:3l:50:VAL:HB	1.99	0.45
1:J:238:ARG:NH2	1:J:238:ARG:CG	2.73	0.44
1:O:580:SER:O	1:w:484:ARG:HD3	2.16	0.44
1:P:341:GLN:HE21	1:P:402:MET:HE3	1.81	0.44
1:S:555:GLU:H	1:S:555:GLU:CD	2.17	0.44
1:U:580:SER:O	1:q:484:ARG:HD3	2.16	0.44
1:q:238:ARG:NH2	1:q:238:ARG:CG	2.73	0.44
2:Eh:69:ILE:HG12	2:Eh:84:LEU:HD13	2.00	0.44
2:Zh:69:ILE:HG12	2:Zh:84:LEU:HD13	2.00	0.44
2:bh:54:TYR:HB2	2:bh:119:HIS:HB3	1.98	0.44
2:ph:54:TYR:HB2	2:ph:119:HIS:HB3	1.98	0.44
2:4h:25:GLU:OE2	2:4h:144:GLY:CA	2.60	0.44
2:6h:69:ILE:HG12	2:6h:84:LEU:HD13	2.00	0.44
3:Hl:78:SER:HB2	3:Hl:79:ARG:HH11	1.83	0.44
3:Wl:47:SER:HB3	3:Wl:50:VAL:HB	1.99	0.44
1:I:341:GLN:HE21	1:I:402:MET:HE3	1.81	0.44
1:L:580:SER:O	1:a:484:ARG:HD3	2.16	0.44
1:P:580:SER:O	1:c:484:ARG:HD3	2.16	0.44
1:R:341:GLN:HE21	1:R:402:MET:HE3	1.81	0.44
1:X:238:ARG:NH2	1:X:238:ARG:CG	2.73	0.44
1:e:484:ARG:HD3	1:g:580:SER:O	2.16	0.44
1:h:341:GLN:HE21	1:h:402:MET:HE3	1.82	0.44
1:z:555:GLU:H	1:z:555:GLU:CD	2.17	0.44
1:7:555:GLU:H	1:7:555:GLU:CD	2.17	0.44
2:Ph:69:ILE:HG12	2:Ph:84:LEU:HD13	2.00	0.44
2:Wh:69:ILE:HG12	2:Wh:84:LEU:HD13	2.00	0.44
2:lh:69:ILE:CG2	2:lh:88:VAL:HG11	2.42	0.44
2:nh:54:TYR:HB2	2:nh:119:HIS:HB3	1.98	0.44
2:ph:69:ILE:CG2	2:ph:88:VAL:HG11	2.42	0.44
2:wh:54:TYR:HB2	2:wh:119:HIS:HB3	1.98	0.44
2:1h:54:TYR:HB2	2:1h:119:HIS:HB3	1.98	0.44
2:3h:34:SER:O	2:3h:34:SER:OG	2.34	0.44
2:7h:21:LEU:HD13	2:7h:46:GLY:HA3	1.98	0.44
3:Cl:47:SER:HB3	3:Cl:50:VAL:HB	1.99	0.44
3:Il:47:SER:HB3	3:Il:50:VAL:HB	1.99	0.44
3:Yl:78:SER:HB2	3:Yl:79:ARG:HH11	1.83	0.44
3:il:47:SER:HB3	3:il:50:VAL:HB	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:vl:33:SER:O	3:vl:100:LEU:HB2	2.16	0.44
3:yl:33:SER:O	3:yl:100:LEU:HB2	2.16	0.44
1:B:555:GLU:H	1:B:555:GLU:CD	2.17	0.44
1:O:341:GLN:HE21	1:O:402:MET:HE3	1.82	0.44
1:S:710:VAL:O	1:S:713:THR:OG1	2.27	0.44
1:W:341:GLN:HE21	1:W:402:MET:HE3	1.81	0.44
1:l:238:ARG:HH12	1:l:309:LYS:HE2	1.81	0.44
1:m:484:ARG:HD3	1:1:580:SER:O	2.16	0.44
1:n:580:SER:O	1:0:484:ARG:HD3	2.16	0.44
1:6:341:GLN:HE21	1:6:402:MET:HE3	1.82	0.44
2:Ih:34:SER:O	2:Ih:34:SER:OG	2.34	0.44
2:Ih:69:ILE:HG12	2:Ih:84:LEU:HD13	2.00	0.44
2:ah:69:ILE:HG12	2:ah:84:LEU:HD13	2.00	0.44
2:eh:54:TYR:HB2	2:eh:119:HIS:HB3	1.98	0.44
2:qh:54:TYR:HB2	2:qh:119:HIS:HB3	1.98	0.44
2:3h:54:TYR:HB2	2:3h:119:HIS:HB3	1.98	0.44
2:4h:69:ILE:HG12	2:4h:84:LEU:HD13	2.00	0.44
2:5h:54:TYR:HB2	2:5h:119:HIS:HB3	1.98	0.44
2:7h:54:TYR:HB2	2:7h:119:HIS:HB3	1.98	0.44
2:7h:69:ILE:HG12	2:7h:84:LEU:HD13	2.00	0.44
3:Dl:33:SER:O	3:Dl:100:LEU:HB2	2.16	0.44
3:El:47:SER:HB3	3:El:50:VAL:HB	1.99	0.44
3:dl:47:SER:HB3	3:dl:50:VAL:HB	1.99	0.44
3:jl:47:SER:HB3	3:jl:50:VAL:HB	1.99	0.44
3:1l:33:SER:O	3:1l:100:LEU:HB2	2.16	0.44
3:2l:47:SER:HB3	3:2l:50:VAL:HB	1.99	0.44
3:7l:53:ASN:ND2	3:7l:53:ASN:N	2.60	0.44
1:E:580:SER:O	1:3:484:ARG:HD3	2.16	0.44
1:G:341:GLN:HE21	1:G:402:MET:HE3	1.82	0.44
1:K:341:GLN:HE21	1:K:402:MET:HE3	1.82	0.44
1:a:555:GLU:H	1:a:555:GLU:CD	2.17	0.44
1:i:341:GLN:HE21	1:i:402:MET:HE3	1.81	0.44
2:Nh:25:GLU:OE2	2:Nh:144:GLY:CA	2.60	0.44
2:Th:69:ILE:HG12	2:Th:84:LEU:HD13	2.00	0.44
2:ah:25:GLU:OE2	2:ah:144:GLY:CA	2.60	0.44
2:ch:54:TYR:HB2	2:ch:119:HIS:HB3	1.98	0.44
2:dh:69:ILE:HG12	2:dh:84:LEU:HD13	2.00	0.44
2:gh:69:ILE:HG12	2:gh:84:LEU:HD13	2.00	0.44
2:rh:69:ILE:HG12	2:rh:84:LEU:HD13	2.00	0.44
2:th:25:GLU:OE2	2:th:144:GLY:CA	2.60	0.44
2:uh:54:TYR:HB2	2:uh:119:HIS:HB3	1.98	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:wh:69:ILE:CG2	2:wh:88:VAL:HG11	2.42	0.44
3:Dl:78:SER:HB2	3:Dl:79:ARG:HH11	1.83	0.44
3:El:78:SER:HB2	3:El:79:ARG:HH11	1.83	0.44
3:Gl:47:SER:HB3	3:Gl:50:VAL:HB	1.99	0.44
3:Il:78:SER:HB2	3:Il:79:ARG:HH11	1.83	0.44
3:Pl:78:SER:HB2	3:Pl:79:ARG:HH11	1.83	0.44
3:Wl:78:SER:HB2	3:Wl:79:ARG:HH11	1.83	0.44
3:al:53:ASN:ND2	3:al:53:ASN:N	2.60	0.44
3:nl:33:SER:O	3:nl:100:LEU:HB2	2.16	0.44
3:nl:78:SER:HB2	3:nl:79:ARG:HH11	1.83	0.44
3:ol:33:SER:O	3:ol:100:LEU:HB2	2.16	0.44
3:rl:78:SER:HB2	3:rl:79:ARG:HH11	1.83	0.44
3:xl:47:SER:HB3	3:xl:50:VAL:HB	1.99	0.44
3:xl:78:SER:HB2	3:xl:79:ARG:HH11	1.83	0.44
3:1l:78:SER:HB2	3:1l:79:ARG:HH11	1.83	0.44
3:4l:47:SER:HB3	3:4l:50:VAL:HB	1.99	0.44
1:B:235:MET:HE3	1:B:235:MET:HB2	1.85	0.44
1:Z:341:GLN:HE21	1:Z:402:MET:HE3	1.82	0.44
1:g:341:GLN:HE21	1:g:402:MET:HE3	1.81	0.44
1:t:341:GLN:HE21	1:t:402:MET:HE3	1.81	0.44
2:Ch:54:TYR:HB2	2:Ch:119:HIS:HB3	1.98	0.44
2:Ch:69:ILE:HG12	2:Ch:84:LEU:HD13	2.00	0.44
2:Mh:54:TYR:HB2	2:Mh:119:HIS:HB3	1.98	0.44
2:ah:21:LEU:HD13	2:ah:46:GLY:HA3	1.98	0.44
2:ah:54:TYR:HB2	2:ah:119:HIS:HB3	1.98	0.44
2:jh:69:ILE:HG12	2:jh:84:LEU:HD13	2.00	0.44
2:ph:69:ILE:HG12	2:ph:84:LEU:HD13	2.00	0.44
2:2h:69:ILE:HG12	2:2h:84:LEU:HD13	2.00	0.44
3:Cl:78:SER:HB2	3:Cl:79:ARG:HH11	1.83	0.44
3:Fl:78:SER:HB2	3:Fl:79:ARG:HH11	1.83	0.44
3:Gl:78:SER:HB2	3:Gl:79:ARG:HH11	1.83	0.44
3:Nl:78:SER:HB2	3:Nl:79:ARG:HH11	1.83	0.44
3:Pl:47:SER:HB3	3:Pl:50:VAL:HB	1.99	0.44
3:il:78:SER:HB2	3:il:79:ARG:HH11	1.83	0.44
3:jl:78:SER:HB2	3:jl:79:ARG:HH11	1.83	0.44
3:ql:33:SER:O	3:ql:100:LEU:HB2	2.16	0.44
3:rl:47:SER:HB3	3:rl:50:VAL:HB	1.99	0.44
3:tl:78:SER:HB2	3:tl:79:ARG:HH11	1.83	0.44
3:ul:33:SER:O	3:ul:100:LEU:HB2	2.16	0.44
3:yl:78:SER:HB2	3:yl:79:ARG:HH11	1.83	0.44
3:zl:78:SER:HB2	3:zl:79:ARG:HH11	1.83	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:P:235:MET:HB2	1:P:235:MET:HE3	1.85	0.44
1:T:341:GLN:HE21	1:T:402:MET:HE3	1.81	0.44
1:g:555:GLU:H	1:g:555:GLU:CD	2.17	0.44
1:q:341:GLN:HE21	1:q:402:MET:HE3	1.81	0.44
1:u:657:PRO:HB3	1:u:666:PHE:CZ	2.32	0.44
1:2:238:ARG:HH12	1:2:309:LYS:HE2	1.81	0.44
1:2:657:PRO:HB3	1:2:666:PHE:CZ	2.32	0.44
1:5:341:GLN:HE21	1:5:402:MET:HE3	1.82	0.44
2:Ah:69:ILE:HG12	2:Ah:84:LEU:HD13	2.00	0.44
2:Kh:69:ILE:HG12	2:Kh:84:LEU:HD13	2.00	0.44
2:Qh:54:TYR:HB2	2:Qh:119:HIS:HB3	1.98	0.44
2:bh:69:ILE:HG12	2:bh:84:LEU:HD13	2.00	0.44
2:eh:69:ILE:HG12	2:eh:84:LEU:HD13	2.00	0.44
2:lh:69:ILE:HG12	2:lh:84:LEU:HD13	2.00	0.44
2:wh:69:ILE:HG12	2:wh:84:LEU:HD13	2.00	0.44
2:xh:69:ILE:HG12	2:xh:84:LEU:HD13	2.00	0.44
2:0h:106:VAL:CG2	2:0h:110:ASP:CG	2.81	0.44
2:2h:69:ILE:CG2	2:2h:88:VAL:HG11	2.42	0.44
3:Ol:47:SER:HB3	3:Ol:50:VAL:HB	1.99	0.44
3:Ol:78:SER:HB2	3:Ol:79:ARG:HH11	1.83	0.44
3:Ql:47:SER:HB3	3:Ql:50:VAL:HB	1.99	0.44
3:Ul:47:SER:HB3	3:Ul:50:VAL:HB	1.99	0.44
3:Yl:47:SER:HB3	3:Yl:50:VAL:HB	1.99	0.44
3:ol:78:SER:HB2	3:ol:79:ARG:HH11	1.83	0.44
3:zl:30:GLU:O	3:zl:128:THR:OG1	2.32	0.44
3:0l:78:SER:HB2	3:0l:79:ARG:HH11	1.83	0.44
1:E:235:MET:HB2	1:E:235:MET:HE3	1.85	0.44
1:L:710:VAL:O	1:L:713:THR:OG1	2.27	0.44
1:g:657:PRO:HB3	1:g:666:PHE:CZ	2.32	0.44
2:Dh:69:ILE:HG12	2:Dh:84:LEU:HD13	2.00	0.44
2:Hh:69:ILE:HG12	2:Hh:84:LEU:HD13	2.00	0.44
2:Mh:69:ILE:HG12	2:Mh:84:LEU:HD13	2.00	0.44
2:Rh:69:ILE:HG12	2:Rh:84:LEU:HD13	2.00	0.44
2:hh:69:ILE:HG12	2:hh:84:LEU:HD13	2.00	0.44
2:ih:25:GLU:OE2	2:ih:144:GLY:CA	2.60	0.44
2:yh:69:ILE:HG12	2:yh:84:LEU:HD13	2.00	0.44
2:zh:69:ILE:HG12	2:zh:84:LEU:HD13	2.00	0.44
2:7h:25:GLU:OE2	2:7h:144:GLY:CA	2.60	0.44
3:Bl:30:GLU:O	3:Bl:128:THR:OG1	2.32	0.44
3:Bl:78:SER:HB2	3:Bl:79:ARG:HH11	1.83	0.44
3:Kl:78:SER:HB2	3:Kl:79:ARG:HH11	1.83	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Ml:47:SER:HB3	3:Ml:50:VAL:HB	1.99	0.44
3:Rl:47:SER:HB3	3:Rl:50:VAL:HB	1.99	0.44
3:il:47:SER:HB3	3:il:50:VAL:HB	1.99	0.44
3:ml:78:SER:HB2	3:ml:79:ARG:HH11	1.83	0.44
3:vl:78:SER:HB2	3:vl:79:ARG:HH11	1.83	0.44
1:K:235:MET:HE3	1:K:235:MET:HB2	1.85	0.44
1:K:238:ARG:HH12	1:K:309:LYS:HE2	1.81	0.44
1:y:341:GLN:HE21	1:y:402:MET:HE3	1.82	0.44
1:z:235:MET:HE3	1:z:235:MET:HB2	1.85	0.44
2:Bh:69:ILE:HG12	2:Bh:84:LEU:HD13	2.00	0.44
2:Qh:69:ILE:HG12	2:Qh:84:LEU:HD13	2.00	0.44
2:Uh:69:ILE:HG12	2:Uh:84:LEU:HD13	2.00	0.44
2:Yh:69:ILE:HG12	2:Yh:84:LEU:HD13	2.00	0.44
2:wh:34:SER:O	2:wh:34:SER:OG	2.34	0.44
2:xh:54:TYR:HB2	2:xh:119:HIS:HB3	1.98	0.44
2:5h:69:ILE:HG12	2:5h:84:LEU:HD13	2.00	0.44
3:Kl:47:SER:HB3	3:Kl:50:VAL:HB	1.99	0.44
3:Ml:30:GLU:O	3:Ml:128:THR:OG1	2.32	0.44
3:Ql:30:GLU:O	3:Ql:128:THR:OG1	2.32	0.44
3:Rl:78:SER:HB2	3:Rl:79:ARG:HH11	1.83	0.44
3:Sl:47:SER:HB3	3:Sl:50:VAL:HB	1.99	0.44
3:Vl:47:SER:HB3	3:Vl:50:VAL:HB	1.99	0.44
3:bl:78:SER:HB2	3:bl:79:ARG:HH11	1.83	0.44
3:gl:30:GLU:O	3:gl:128:THR:OG1	2.32	0.44
3:hl:47:SER:HB3	3:hl:50:VAL:HB	1.99	0.44
3:tl:47:SER:HB3	3:tl:50:VAL:HB	1.99	0.44
1:L:341:GLN:HE21	1:L:402:MET:HE3	1.81	0.44
1:R:238:ARG:HH12	1:R:309:LYS:HE2	1.81	0.44
1:S:341:GLN:HE21	1:S:402:MET:HE3	1.81	0.44
1:e:341:GLN:HE21	1:e:402:MET:HE3	1.82	0.44
1:h:610:ASP:OD1	1:h:728:THR:OG1	2.36	0.44
1:u:341:GLN:HE21	1:u:402:MET:HE3	1.82	0.44
1:7:235:MET:HE3	1:7:235:MET:HB2	1.85	0.44
2:Fh:69:ILE:HG12	2:Fh:84:LEU:HD13	2.00	0.44
2:fh:25:GLU:OE2	2:fh:144:GLY:CA	2.60	0.44
3:Hl:47:SER:HB3	3:Hl:50:VAL:HB	1.99	0.44
3:Ll:47:SER:HB3	3:Ll:50:VAL:HB	1.99	0.44
3:Tl:26:GLN:HG3	3:Tl:27:PRO:HD2	2.00	0.44
3:Zl:78:SER:HB2	3:Zl:79:ARG:HH11	1.83	0.44
3:fl:78:SER:HB2	3:fl:79:ARG:HH11	1.83	0.44
3:il:26:GLN:HG3	3:il:27:PRO:HD2	2.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:nl:26:GLN:HG3	3:nl:27:PRO:HD2	2.00	0.44
3:tl:26:GLN:HG3	3:tl:27:PRO:HD2	2.00	0.44
3:ll:26:GLN:HG3	3:ll:27:PRO:HD2	2.00	0.44
3:7l:26:GLN:HG3	3:7l:27:PRO:HD2	2.00	0.44
1:D:341:GLN:HE21	1:D:402:MET:HE3	1.82	0.43
1:H:341:GLN:HE21	1:H:402:MET:HE3	1.82	0.43
1:Q:235:MET:HE3	1:Q:235:MET:HB2	1.85	0.43
1:R:657:PRO:HB3	1:R:666:PHE:CZ	2.32	0.43
1:T:555:GLU:H	1:T:555:GLU:CD	2.17	0.43
1:T:657:PRO:HB3	1:T:666:PHE:CZ	2.32	0.43
1:Z:657:PRO:HB3	1:Z:666:PHE:CZ	2.32	0.43
1:l:657:PRO:HB3	1:l:666:PHE:CZ	2.32	0.43
2:Nh:69:ILE:HG12	2:Nh:84:LEU:HD13	2.00	0.43
2:Vh:25:GLU:OE2	2:Vh:144:GLY:CA	2.60	0.43
2:mh:69:ILE:HG12	2:mh:84:LEU:HD13	2.00	0.43
2:mh:106:VAL:CG2	2:mh:110:ASP:CG	2.81	0.43
2:ph:34:SER:O	2:ph:34:SER:OG	2.34	0.43
3:Al:78:SER:HB2	3:Al:79:ARG:HH11	1.83	0.43
3:Cl:30:GLU:O	3:Cl:128:THR:OG1	2.32	0.43
3:Dl:47:SER:HB3	3:Dl:50:VAL:HB	1.99	0.43
3:Ul:78:SER:HB2	3:Ul:79:ARG:HH11	1.83	0.43
3:Vl:78:SER:HB2	3:Vl:79:ARG:HH11	1.83	0.43
3:al:26:GLN:HG3	3:al:27:PRO:HD2	2.00	0.43
3:fl:47:SER:HB3	3:fl:50:VAL:HB	1.99	0.43
3:gl:26:GLN:HG3	3:gl:27:PRO:HD2	2.00	0.43
3:kl:26:GLN:HG3	3:kl:27:PRO:HD2	2.00	0.43
3:ol:26:GLN:HG3	3:ol:27:PRO:HD2	2.00	0.43
3:ol:47:SER:HB3	3:ol:50:VAL:HB	1.99	0.43
3:sl:26:GLN:HG3	3:sl:27:PRO:HD2	2.00	0.43
3:ul:78:SER:HB2	3:ul:79:ARG:HH11	1.83	0.43
3:vl:26:GLN:HG3	3:vl:27:PRO:HD2	2.00	0.43
3:wl:78:SER:HB2	3:wl:79:ARG:HH11	1.83	0.43
3:6l:78:SER:HB2	3:6l:79:ARG:HH11	1.83	0.43
1:q:657:PRO:HB3	1:q:666:PHE:CZ	2.32	0.43
1:5:555:GLU:H	1:5:555:GLU:CD	2.17	0.43
2:Xh:34:SER:O	2:Xh:34:SER:OG	2.34	0.43
2:vh:25:GLU:OE2	2:vh:144:GLY:CA	2.60	0.43
2:0h:69:ILE:HG12	2:0h:84:LEU:HD13	2.00	0.43
3:Gl:26:GLN:HG3	3:Gl:27:PRO:HD2	2.00	0.43
3:Ll:26:GLN:HG3	3:Ll:27:PRO:HD2	2.00	0.43
3:Tl:71:TYR:O	3:Tl:72:GLU:HB2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:hl:78:SER:HB2	3:hl:79:ARG:HH11	1.83	0.43
3:ql:78:SER:HB2	3:ql:79:ARG:HH11	1.83	0.43
3:xl:30:GLU:O	3:xl:128:THR:OG1	2.32	0.43
1:M:657:PRO:HB3	1:M:666:PHE:CZ	2.32	0.43
1:R:235:MET:HE3	1:R:235:MET:HB2	1.85	0.43
1:Y:341:GLN:HE21	1:Y:402:MET:HE3	1.82	0.43
1:Z:342:VAL:HG22	1:Z:648:ILE:HG13	2.01	0.43
1:a:235:MET:HE3	1:a:235:MET:HB2	1.85	0.43
1:d:555:GLU:H	1:d:555:GLU:CD	2.17	0.43
1:e:657:PRO:HB3	1:e:666:PHE:CZ	2.32	0.43
1:v:555:GLU:H	1:v:555:GLU:CD	2.17	0.43
1:4:555:GLU:H	1:4:555:GLU:CD	2.17	0.43
2:th:69:ILE:HG12	2:th:84:LEU:HD13	2.00	0.43
3:HI:26:GLN:HG3	3:HI:27:PRO:HD2	2.00	0.43
3:JI:71:TYR:O	3:JI:72:GLU:HB2	2.19	0.43
3:OI:26:GLN:HG3	3:OI:27:PRO:HD2	2.00	0.43
3:OI:70:ILE:HA	3:OI:75:LYS:O	2.19	0.43
3:OI:71:TYR:O	3:OI:72:GLU:HB2	2.19	0.43
3:SI:26:GLN:HG3	3:SI:27:PRO:HD2	2.00	0.43
3:TI:70:ILE:HA	3:TI:75:LYS:O	2.19	0.43
3:XI:71:TYR:O	3:XI:72:GLU:HB2	2.19	0.43
3:gl:71:TYR:O	3:gl:72:GLU:HB2	2.19	0.43
3:pl:78:SER:HB2	3:pl:79:ARG:HH11	1.83	0.43
3:ul:71:TYR:O	3:ul:72:GLU:HB2	2.19	0.43
3:vl:47:SER:HB3	3:vl:50:VAL:HB	1.99	0.43
3:4l:70:ILE:HA	3:4l:75:LYS:O	2.19	0.43
1:E:342:VAL:HG22	1:E:648:ILE:HG13	2.01	0.43
1:r:235:MET:HE3	1:r:235:MET:HB2	1.85	0.43
1:5:657:PRO:HB3	1:5:666:PHE:CZ	2.32	0.43
1:6:342:VAL:HG22	1:6:648:ILE:HG13	2.01	0.43
2:Dh:25:GLU:OE2	2:Dh:144:GLY:CA	2.60	0.43
2:Fh:30:LEU:HD23	2:Fh:30:LEU:O	2.19	0.43
2:Sh:69:ILE:HG12	2:Sh:84:LEU:HD13	2.00	0.43
2:Wh:30:LEU:HD23	2:Wh:30:LEU:O	2.19	0.43
2:kh:30:LEU:HD23	2:kh:30:LEU:O	2.19	0.43
2:sh:30:LEU:HD23	2:sh:30:LEU:O	2.19	0.43
2:yh:25:GLU:OE2	2:yh:144:GLY:CA	2.60	0.43
3:El:70:ILE:HA	3:El:75:LYS:O	2.19	0.43
3:El:71:TYR:O	3:El:72:GLU:HB2	2.18	0.43
3:Gl:70:ILE:HA	3:Gl:75:LYS:O	2.19	0.43
3:Gl:71:TYR:O	3:Gl:72:GLU:HB2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Kl:26:GLN:HG3	3:Kl:27:PRO:HD2	2.00	0.43
3:Ml:70:ILE:HA	3:Ml:75:LYS:O	2.19	0.43
3:Ol:69:MET:O	3:Ol:77:PRO:HD3	2.19	0.43
3:Ql:70:ILE:HA	3:Ql:75:LYS:O	2.19	0.43
3:Tl:78:SER:HB2	3:Tl:79:ARG:HH11	1.83	0.43
3:Yl:26:GLN:HG3	3:Yl:27:PRO:HD2	2.00	0.43
3:dl:70:ILE:HA	3:dl:75:LYS:O	2.19	0.43
3:pl:70:ILE:HA	3:pl:75:LYS:O	2.19	0.43
3:ql:71:TYR:O	3:ql:72:GLU:HB2	2.19	0.43
3:wl:70:ILE:HA	3:wl:75:LYS:O	2.19	0.43
3:yl:47:SER:HB3	3:yl:50:VAL:HB	1.99	0.43
3:ol:70:ILE:HA	3:ol:75:LYS:O	2.19	0.43
3:2l:78:SER:HB2	3:2l:79:ARG:HH11	1.83	0.43
1:K:342:VAL:HG22	1:K:648:ILE:HG13	2.01	0.43
1:K:657:PRO:HB3	1:K:666:PHE:CZ	2.32	0.43
1:P:342:VAL:HG22	1:P:648:ILE:HG13	2.01	0.43
1:R:342:VAL:HG22	1:R:648:ILE:HG13	2.01	0.43
1:e:555:GLU:H	1:e:555:GLU:CD	2.17	0.43
1:l:342:VAL:HG22	1:l:648:ILE:HG13	2.01	0.43
1:n:380:LEU:HD12	1:n:389:ARG:HB3	2.01	0.43
1:1:380:LEU:HD12	1:1:389:ARG:HB3	2.01	0.43
1:6:555:GLU:H	1:6:555:GLU:CD	2.17	0.43
1:6:657:PRO:HB3	1:6:666:PHE:CZ	2.32	0.43
2:Dh:30:LEU:HD23	2:Dh:30:LEU:O	2.19	0.43
2:Ih:30:LEU:HD23	2:Ih:30:LEU:O	2.19	0.43
2:Zh:30:LEU:HD23	2:Zh:30:LEU:O	2.19	0.43
2:ih:69:ILE:HG12	2:ih:84:LEU:HD13	2.00	0.43
2:lh:30:LEU:HD23	2:lh:30:LEU:O	2.19	0.43
2:mh:30:LEU:HD23	2:mh:30:LEU:O	2.19	0.43
2:oh:25:GLU:OE2	2:oh:144:GLY:CA	2.60	0.43
2:ph:30:LEU:HD23	2:ph:30:LEU:O	2.19	0.43
2:wh:30:LEU:HD23	2:wh:30:LEU:O	2.19	0.43
2:2h:30:LEU:HD23	2:2h:30:LEU:O	2.19	0.43
3:Bl:26:GLN:HG3	3:Bl:27:PRO:HD2	2.00	0.43
3:Dl:69:MET:O	3:Dl:77:PRO:HD3	2.19	0.43
3:Fl:69:MET:O	3:Fl:77:PRO:HD3	2.19	0.43
3:Hl:71:TYR:O	3:Hl:72:GLU:HB2	2.19	0.43
3:Il:30:GLU:O	3:Il:128:THR:OG1	2.32	0.43
3:Ml:78:SER:HB2	3:Ml:79:ARG:HH11	1.83	0.43
3:Nl:69:MET:O	3:Nl:77:PRO:HD3	2.19	0.43
3:Pl:70:ILE:HA	3:Pl:75:LYS:O	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Pl:71:TYR:O	3:Pl:72:GLU:HB2	2.19	0.43
3:Rl:26:GLN:HG3	3:Rl:27:PRO:HD2	2.00	0.43
3:Rl:70:ILE:HA	3:Rl:75:LYS:O	2.19	0.43
3:Tl:69:MET:O	3:Tl:77:PRO:HD3	2.19	0.43
3:Ul:70:ILE:HA	3:Ul:75:LYS:O	2.19	0.43
3:Wl:30:GLU:O	3:Wl:128:THR:OG1	2.32	0.43
3:Yl:71:TYR:O	3:Yl:72:GLU:HB2	2.19	0.43
3:Zl:26:GLN:HG3	3:Zl:27:PRO:HD2	2.00	0.43
3:cl:69:MET:O	3:cl:77:PRO:HD3	2.19	0.43
3:gl:69:MET:O	3:gl:77:PRO:HD3	2.19	0.43
3:gl:70:ILE:HA	3:gl:75:LYS:O	2.19	0.43
3:gl:78:SER:HB2	3:gl:79:ARG:HH11	1.83	0.43
3:jl:70:ILE:HA	3:jl:75:LYS:O	2.19	0.43
3:ll:78:SER:HB2	3:ll:79:ARG:HH11	1.83	0.43
3:ml:70:ILE:HA	3:ml:75:LYS:O	2.19	0.43
3:nl:69:MET:O	3:nl:77:PRO:HD3	2.19	0.43
3:nl:70:ILE:HA	3:nl:75:LYS:O	2.19	0.43
3:ol:69:MET:O	3:ol:77:PRO:HD3	2.19	0.43
3:vl:69:MET:O	3:vl:77:PRO:HD3	2.19	0.43
3:xl:70:ILE:HA	3:xl:75:LYS:O	2.19	0.43
3:1l:69:MET:O	3:1l:77:PRO:HD3	2.19	0.43
3:1l:70:ILE:HA	3:1l:75:LYS:O	2.19	0.43
3:5l:78:SER:HB2	3:5l:79:ARG:HH11	1.83	0.43
1:E:380:LEU:HD12	1:E:389:ARG:HB3	2.01	0.43
1:J:380:LEU:HD12	1:J:389:ARG:HB3	2.01	0.43
1:L:380:LEU:HD12	1:L:389:ARG:HB3	2.01	0.43
1:M:235:MET:HE3	1:M:235:MET:HB2	1.85	0.43
1:P:380:LEU:HD12	1:P:389:ARG:HB3	2.01	0.43
1:S:380:LEU:HD12	1:S:389:ARG:HB3	2.01	0.43
1:X:380:LEU:HD12	1:X:389:ARG:HB3	2.01	0.43
1:i:342:VAL:HG22	1:i:648:ILE:HG13	2.01	0.43
1:t:342:VAL:HG22	1:t:648:ILE:HG13	2.01	0.43
1:1:342:VAL:HG22	1:1:648:ILE:HG13	2.01	0.43
1:2:342:VAL:HG22	1:2:648:ILE:HG13	2.01	0.43
1:5:342:VAL:HG22	1:5:648:ILE:HG13	2.01	0.43
2:Kh:30:LEU:HD23	2:Kh:30:LEU:O	2.19	0.43
2:Lh:69:ILE:HG12	2:Lh:84:LEU:HD13	2.00	0.43
2:Nh:30:LEU:HD23	2:Nh:30:LEU:O	2.19	0.43
2:Rh:30:LEU:HD23	2:Rh:30:LEU:O	2.19	0.43
2:Vh:30:LEU:HD23	2:Vh:30:LEU:O	2.19	0.43
2:dh:30:LEU:HD23	2:dh:30:LEU:O	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:eh:30:LEU:HD23	2:eh:30:LEU:O	2.19	0.43
2:fh:69:ILE:HG12	2:fh:84:LEU:HD13	2.00	0.43
2:rh:30:LEU:HD23	2:rh:30:LEU:O	2.19	0.43
2:yh:30:LEU:HD23	2:yh:30:LEU:O	2.19	0.43
2:0h:30:LEU:HD23	2:0h:30:LEU:O	2.19	0.43
2:3h:69:ILE:HG12	2:3h:84:LEU:HD13	2.00	0.43
2:4h:30:LEU:HD23	2:4h:30:LEU:O	2.19	0.43
2:5h:30:LEU:HD23	2:5h:30:LEU:O	2.19	0.43
2:6h:30:LEU:HD23	2:6h:30:LEU:O	2.19	0.43
3:Bl:71:TYR:O	3:Bl:72:GLU:HB2	2.18	0.43
3:El:69:MET:O	3:El:77:PRO:HD3	2.19	0.43
3:Fl:71:TYR:O	3:Fl:72:GLU:HB2	2.18	0.43
3:Hl:70:ILE:HA	3:Hl:75:LYS:O	2.19	0.43
3:Jl:69:MET:O	3:Jl:77:PRO:HD3	2.19	0.43
3:Kl:70:ILE:HA	3:Kl:75:LYS:O	2.19	0.43
3:Kl:71:TYR:O	3:Kl:72:GLU:HB2	2.19	0.43
3:Xl:69:MET:O	3:Xl:77:PRO:HD3	2.19	0.43
3:al:30:GLU:O	3:al:128:THR:OG1	2.32	0.43
3:bl:71:TYR:O	3:bl:72:GLU:HB2	2.19	0.43
3:hl:70:ILE:HA	3:hl:75:LYS:O	2.19	0.43
3:rl:70:ILE:HA	3:rl:75:LYS:O	2.19	0.43
3:wl:26:GLN:HG3	3:wl:27:PRO:HD2	2.00	0.43
3:yl:69:MET:O	3:yl:77:PRO:HD3	2.19	0.43
3:zl:26:GLN:HG3	3:zl:27:PRO:HD2	2.00	0.43
3:3l:69:MET:O	3:3l:77:PRO:HD3	2.19	0.43
3:6l:26:GLN:HG3	3:6l:27:PRO:HD2	2.00	0.43
1:A:580:SER:O	1:R:484:ARG:HD3	2.18	0.43
1:K:238:ARG:NH2	1:K:238:ARG:CG	2.73	0.43
1:O:380:LEU:HD12	1:O:389:ARG:HB3	2.01	0.43
1:T:380:LEU:HD12	1:T:389:ARG:HB3	2.01	0.43
1:e:342:VAL:HG22	1:e:648:ILE:HG13	2.01	0.43
1:g:380:LEU:HD12	1:g:389:ARG:HB3	2.01	0.43
1:n:342:VAL:HG22	1:n:648:ILE:HG13	2.01	0.43
1:x:380:LEU:HD12	1:x:389:ARG:HB3	2.01	0.43
1:3:342:VAL:HG22	1:3:648:ILE:HG13	2.01	0.43
2:Eh:30:LEU:HD23	2:Eh:30:LEU:O	2.19	0.43
2:Ph:30:LEU:HD23	2:Ph:30:LEU:O	2.19	0.43
2:ah:30:LEU:HD23	2:ah:30:LEU:O	2.19	0.43
2:ch:69:ILE:HG12	2:ch:84:LEU:HD13	2.00	0.43
2:dh:34:SER:O	2:dh:34:SER:OG	2.34	0.43
2:fh:30:LEU:HD23	2:fh:30:LEU:O	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:jh:30:LEU:HD23	2:jh:30:LEU:O	2.19	0.43
2:nh:69:ILE:HG12	2:nh:84:LEU:HD13	2.00	0.43
2:th:30:LEU:HD23	2:th:30:LEU:O	2.19	0.43
3:Al:71:TYR:O	3:Al:72:GLU:HB2	2.19	0.43
3:Bl:70:ILE:HA	3:Bl:75:LYS:O	2.19	0.43
3:Cl:70:ILE:HA	3:Cl:75:LYS:O	2.19	0.43
3:Gl:69:MET:O	3:Gl:77:PRO:HD3	2.19	0.43
3:Hl:69:MET:O	3:Hl:77:PRO:HD3	2.19	0.43
3:Jl:70:ILE:HA	3:Jl:75:LYS:O	2.19	0.43
3:Pl:69:MET:O	3:Pl:77:PRO:HD3	2.19	0.43
3:Ql:78:SER:HB2	3:Ql:79:ARG:HH11	1.83	0.43
3:Rl:71:TYR:O	3:Rl:72:GLU:HB2	2.19	0.43
3:Sl:69:MET:O	3:Sl:77:PRO:HD3	2.19	0.43
3:Xl:70:ILE:HA	3:Xl:75:LYS:O	2.19	0.43
3:Yl:70:ILE:HA	3:Yl:75:LYS:O	2.19	0.43
3:dl:71:TYR:O	3:dl:72:GLU:HB2	2.19	0.43
3:el:78:SER:HB2	3:el:79:ARG:HH11	1.83	0.43
3:il:70:ILE:HA	3:il:75:LYS:O	2.19	0.43
3:kl:78:SER:HB2	3:kl:79:ARG:HH11	1.83	0.43
3:pl:26:GLN:HG3	3:pl:27:PRO:HD2	2.00	0.43
3:tl:70:ILE:HA	3:tl:75:LYS:O	2.19	0.43
3:yl:71:TYR:O	3:yl:72:GLU:HB2	2.19	0.43
3:zl:70:ILE:HA	3:zl:75:LYS:O	2.19	0.43
3:5l:26:GLN:HG3	3:5l:27:PRO:HD2	2.00	0.43
1:C:380:LEU:HD12	1:C:389:ARG:HB3	2.01	0.43
1:D:342:VAL:HG22	1:D:648:ILE:HG13	2.01	0.43
1:G:380:LEU:HD12	1:G:389:ARG:HB3	2.01	0.43
1:M:380:LEU:HD12	1:M:389:ARG:HB3	2.01	0.43
1:Q:380:LEU:HD12	1:Q:389:ARG:HB3	2.01	0.43
1:V:342:VAL:HG22	1:V:648:ILE:HG13	2.01	0.43
1:Z:555:GLU:H	1:Z:555:GLU:CD	2.17	0.43
1:c:342:VAL:HG22	1:c:648:ILE:HG13	2.01	0.43
1:f:342:VAL:HG22	1:f:648:ILE:HG13	2.01	0.43
1:m:235:MET:HE3	1:m:235:MET:HB2	1.85	0.43
1:o:555:GLU:H	1:o:555:GLU:CD	2.17	0.43
1:3:380:LEU:HD12	1:3:389:ARG:HB3	2.01	0.43
1:7:342:VAL:HG22	1:7:648:ILE:HG13	2.01	0.43
2:Gh:30:LEU:HD23	2:Gh:30:LEU:O	2.19	0.43
2:Ih:25:GLU:OE2	2:Ih:144:GLY:CA	2.60	0.43
2:Vh:69:ILE:HG12	2:Vh:84:LEU:HD13	2.00	0.43
2:ah:34:SER:O	2:ah:34:SER:OG	2.34	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ih:30:LEU:HD23	2:ih:30:LEU:O	2.19	0.43
2:oh:30:LEU:HD23	2:oh:30:LEU:O	2.19	0.43
2:oh:69:ILE:HG12	2:oh:84:LEU:HD13	2.00	0.43
2:vh:69:ILE:HG12	2:vh:84:LEU:HD13	2.00	0.43
2:1h:69:ILE:HG12	2:1h:84:LEU:HD13	2.00	0.43
2:7h:30:LEU:HD23	2:7h:30:LEU:O	2.19	0.43
3:Al:70:ILE:HA	3:Al:75:LYS:O	2.19	0.43
3:Dl:71:TYR:O	3:Dl:72:GLU:HB2	2.19	0.43
3:Il:71:TYR:O	3:Il:72:GLU:HB2	2.19	0.43
3:Ll:69:MET:O	3:Ll:77:PRO:HD3	2.19	0.43
3:Mi:71:TYR:O	3:Mi:72:GLU:HB2	2.19	0.43
3:Ql:24:LEU:HD23	3:Ql:24:LEU:HA	1.90	0.43
3:Ul:30:GLU:O	3:Ul:128:THR:OG1	2.32	0.43
3:Yl:69:MET:O	3:Yl:77:PRO:HD3	2.19	0.43
3:al:70:ILE:HA	3:al:75:LYS:O	2.19	0.43
3:bl:26:GLN:HG3	3:bl:27:PRO:HD2	2.00	0.43
3:bl:70:ILE:HA	3:bl:75:LYS:O	2.19	0.43
3:dl:78:SER:HB2	3:dl:79:ARG:HH11	1.83	0.43
3:il:71:TYR:O	3:il:72:GLU:HB2	2.19	0.43
3:zl:71:TYR:O	3:zl:72:GLU:HB2	2.19	0.43
3:2l:71:TYR:O	3:2l:72:GLU:HB2	2.19	0.43
3:4l:71:TYR:O	3:4l:72:GLU:HB2	2.19	0.43
3:5l:69:MET:O	3:5l:77:PRO:HD3	2.19	0.43
3:7l:70:ILE:HA	3:7l:75:LYS:O	2.19	0.43
3:7l:78:SER:HB2	3:7l:79:ARG:HH11	1.83	0.43
1:Q:657:PRO:HB3	1:Q:666:PHE:CZ	2.32	0.43
1:a:342:VAL:HG22	1:a:648:ILE:HG13	2.01	0.43
1:c:380:LEU:HD12	1:c:389:ARG:HB3	2.01	0.43
1:d:380:LEU:HD12	1:d:389:ARG:HB3	2.01	0.43
1:j:235:MET:HE3	1:j:235:MET:HB2	1.85	0.43
1:m:342:VAL:HG22	1:m:648:ILE:HG13	2.01	0.43
1:s:380:LEU:HD12	1:s:389:ARG:HB3	2.01	0.43
1:v:342:VAL:HG22	1:v:648:ILE:HG13	2.01	0.43
1:y:342:VAL:HG22	1:y:648:ILE:HG13	2.01	0.43
1:0:342:VAL:HG22	1:0:648:ILE:HG13	2.01	0.43
1:4:380:LEU:HD12	1:4:389:ARG:HB3	2.01	0.43
2:Jh:30:LEU:HD23	2:Jh:30:LEU:O	2.19	0.43
2:Oh:30:LEU:HD23	2:Oh:30:LEU:O	2.19	0.43
2:Xh:30:LEU:HD23	2:Xh:30:LEU:O	2.19	0.43
2:Xh:69:ILE:HG12	2:Xh:84:LEU:HD13	1.99	0.43
2:7h:34:SER:O	2:7h:34:SER:OG	2.34	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Al:26:GLN:HG3	3:Al:27:PRO:HD2	2.00	0.43
3:Nl:31:SER:CA	3:Nl:128:THR:O	2.40	0.43
3:Nl:71:TYR:O	3:Nl:72:GLU:HB2	2.19	0.43
3:Ql:71:TYR:O	3:Ql:72:GLU:HB2	2.19	0.43
3:Wl:71:TYR:O	3:Wl:72:GLU:HB2	2.19	0.43
3:Zl:70:ILE:HA	3:Zl:75:LYS:O	2.19	0.43
3:al:78:SER:HB2	3:al:79:ARG:HH11	1.83	0.43
3:el:69:MET:O	3:el:77:PRO:HD3	2.19	0.43
3:el:71:TYR:O	3:el:72:GLU:HB2	2.19	0.43
3:ll:69:MET:O	3:ll:77:PRO:HD3	2.19	0.43
3:ml:71:TYR:O	3:ml:72:GLU:HB2	2.19	0.43
3:ol:70:ILE:HA	3:ol:75:LYS:O	2.19	0.43
3:pl:71:TYR:O	3:pl:72:GLU:HB2	2.19	0.43
3:sl:78:SER:HB2	3:sl:79:ARG:HH11	1.83	0.43
3:tl:71:TYR:O	3:tl:72:GLU:HB2	2.19	0.43
3:vl:70:ILE:HA	3:vl:75:LYS:O	2.19	0.43
3:wl:71:TYR:O	3:wl:72:GLU:HB2	2.19	0.43
3:2l:69:MET:O	3:2l:77:PRO:HD3	2.19	0.43
3:6l:70:ILE:HA	3:6l:75:LYS:O	2.19	0.43
3:7l:30:GLU:O	3:7l:128:THR:OG1	2.32	0.43
1:C:342:VAL:HG22	1:C:648:ILE:HG13	2.01	0.43
1:j:342:VAL:HG22	1:j:648:ILE:HG13	2.01	0.43
1:k:380:LEU:HD12	1:k:389:ARG:HB3	2.01	0.43
1:l:380:LEU:HD12	1:l:389:ARG:HB3	2.01	0.43
1:o:342:VAL:HG22	1:o:648:ILE:HG13	2.01	0.43
1:p:342:VAL:HG22	1:p:648:ILE:HG13	2.01	0.43
1:p:380:LEU:HD12	1:p:389:ARG:HB3	2.01	0.43
1:r:342:VAL:HG22	1:r:648:ILE:HG13	2.01	0.43
2:Ah:30:LEU:HD23	2:Ah:30:LEU:O	2.19	0.43
2:Wh:25:GLU:OE2	2:Wh:144:GLY:CA	2.60	0.43
2:kh:69:ILE:HG12	2:kh:84:LEU:HD13	2.00	0.43
2:vh:30:LEU:HD23	2:vh:30:LEU:O	2.19	0.43
2:4h:34:SER:O	2:4h:34:SER:OG	2.34	0.43
3:Fl:31:SER:CA	3:Fl:128:THR:O	2.40	0.43
3:Il:26:GLN:HG3	3:Il:27:PRO:HD2	2.00	0.43
3:Jl:26:GLN:HG3	3:Jl:27:PRO:HD2	2.00	0.43
3:Nl:70:ILE:HA	3:Nl:75:LYS:O	2.19	0.43
3:Wl:26:GLN:HG3	3:Wl:27:PRO:HD2	2.00	0.43
3:Xl:26:GLN:HG3	3:Xl:27:PRO:HD2	2.00	0.43
3:cl:78:SER:HB2	3:cl:79:ARG:HH11	1.83	0.43
3:il:71:TYR:O	3:il:72:GLU:HB2	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:ml:26:GLN:HG3	3:ml:27:PRO:HD2	2.00	0.43
3:nl:71:TYR:O	3:nl:72:GLU:HB2	2.19	0.43
3:1l:71:TYR:O	3:1l:72:GLU:HB2	2.19	0.43
3:4l:78:SER:HB2	3:4l:79:ARG:HH11	1.83	0.43
3:5l:71:TYR:O	3:5l:72:GLU:HB2	2.19	0.43
1:J:353:VAL:H	1:J:645:GLN:NE2	2.17	0.42
1:M:342:VAL:HG22	1:M:648:ILE:HG13	2.01	0.42
1:Q:342:VAL:HG22	1:Q:648:ILE:HG13	2.01	0.42
1:R:238:ARG:NH2	1:R:238:ARG:CG	2.73	0.42
1:V:380:LEU:HD12	1:V:389:ARG:HB3	2.01	0.42
1:W:353:VAL:H	1:W:645:GLN:NE2	2.17	0.42
1:X:353:VAL:H	1:X:645:GLN:NE2	2.17	0.42
1:f:380:LEU:HD12	1:f:389:ARG:HB3	2.01	0.42
1:m:380:LEU:HD12	1:m:389:ARG:HB3	2.01	0.42
1:w:342:VAL:HG22	1:w:648:ILE:HG13	2.01	0.42
1:w:380:LEU:HD12	1:w:389:ARG:HB3	2.01	0.42
1:x:342:VAL:HG22	1:x:648:ILE:HG13	2.01	0.42
1:0:235:MET:HE3	1:0:235:MET:HB2	1.85	0.42
1:0:380:LEU:HD12	1:0:389:ARG:HB3	2.01	0.42
1:2:380:LEU:HD12	1:2:389:ARG:HB3	2.01	0.42
1:7:380:LEU:HD12	1:7:389:ARG:HB3	2.01	0.42
2:Jh:69:ILE:HG12	2:Jh:84:LEU:HD13	2.00	0.42
2:Sh:30:LEU:HD23	2:Sh:30:LEU:O	2.19	0.42
2:bh:30:LEU:HD23	2:bh:30:LEU:O	2.19	0.42
2:xh:30:LEU:HD23	2:xh:30:LEU:O	2.19	0.42
2:zh:30:LEU:HD23	2:zh:30:LEU:O	2.19	0.42
3:El:26:GLN:HG3	3:El:27:PRO:HD2	2.00	0.42
3:Fl:70:ILE:HA	3:Fl:75:LYS:O	2.19	0.42
3:Kl:69:MET:O	3:Kl:77:PRO:HD3	2.19	0.42
3:Ll:70:ILE:HA	3:Ll:75:LYS:O	2.19	0.42
3:Mi:24:LEU:HD23	3:Mi:24:LEU:HA	1.90	0.42
3:Ol:53:ASN:ND2	3:Ol:53:ASN:N	2.60	0.42
3:Pl:26:GLN:HG3	3:Pl:27:PRO:HD2	2.00	0.42
3:Ql:69:MET:O	3:Ql:77:PRO:HD3	2.19	0.42
3:Vl:69:MET:O	3:Vl:77:PRO:HD3	2.19	0.42
3:dl:69:MET:O	3:dl:77:PRO:HD3	2.19	0.42
3:fl:26:GLN:HG3	3:fl:27:PRO:HD2	2.00	0.42
3:fl:69:MET:O	3:fl:77:PRO:HD3	2.19	0.42
3:ql:70:ILE:HA	3:ql:75:LYS:O	2.19	0.42
3:ul:70:ILE:HA	3:ul:75:LYS:O	2.19	0.42
3:xl:71:TYR:O	3:xl:72:GLU:HB2	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:yl:70:ILE:HA	3:yl:75:LYS:O	2.19	0.42
3:4l:69:MET:O	3:4l:77:PRO:HD3	2.19	0.42
3:5l:30:GLU:O	3:5l:128:THR:OG1	2.32	0.42
3:6l:69:MET:O	3:6l:77:PRO:HD3	2.19	0.42
1:A:380:LEU:HD12	1:A:389:ARG:HB3	2.01	0.42
1:C:353:VAL:H	1:C:645:GLN:NE2	2.17	0.42
1:G:657:PRO:HB3	1:G:666:PHE:CZ	2.32	0.42
1:I:353:VAL:H	1:I:645:GLN:NE2	2.17	0.42
1:O:342:VAL:HG22	1:O:648:ILE:HG13	2.01	0.42
1:W:342:VAL:HG22	1:W:648:ILE:HG13	2.01	0.42
1:a:380:LEU:HD12	1:a:389:ARG:HB3	2.01	0.42
1:b:380:LEU:HD12	1:b:389:ARG:HB3	2.01	0.42
1:k:353:VAL:H	1:k:645:GLN:NE2	2.18	0.42
1:m:353:VAL:H	1:m:645:GLN:NE2	2.17	0.42
1:q:353:VAL:H	1:q:645:GLN:NE2	2.17	0.42
1:s:353:VAL:H	1:s:645:GLN:NE2	2.18	0.42
1:u:342:VAL:HG22	1:u:648:ILE:HG13	2.01	0.42
1:u:353:VAL:H	1:u:645:GLN:NE2	2.17	0.42
1:y:353:VAL:H	1:y:645:GLN:NE2	2.18	0.42
1:0:353:VAL:H	1:0:645:GLN:NE2	2.17	0.42
2:Bh:30:LEU:HD23	2:Bh:30:LEU:O	2.19	0.42
2:Ch:30:LEU:HD23	2:Ch:30:LEU:O	2.19	0.42
3:Cl:69:MET:O	3:Cl:77:PRO:HD3	2.19	0.42
3:Cl:71:TYR:O	3:Cl:72:GLU:HB2	2.19	0.42
3:Dl:70:ILE:HA	3:Dl:75:LYS:O	2.19	0.42
3:Mi:69:MET:O	3:Mi:77:PRO:HD3	2.19	0.42
3:Rl:69:MET:O	3:Rl:77:PRO:HD3	2.19	0.42
3:Sl:70:ILE:HA	3:Sl:75:LYS:O	2.19	0.42
3:Vl:26:GLN:HG3	3:Vl:27:PRO:HD2	2.00	0.42
3:Zl:69:MET:O	3:Zl:77:PRO:HD3	2.19	0.42
3:Zl:71:TYR:O	3:Zl:72:GLU:HB2	2.19	0.42
3:cl:71:TYR:O	3:cl:72:GLU:HB2	2.19	0.42
3:dl:26:GLN:HG3	3:dl:27:PRO:HD2	2.00	0.42
3:hl:30:GLU:O	3:hl:128:THR:OG1	2.32	0.42
3:nl:30:GLU:O	3:nl:128:THR:OG1	2.32	0.42
3:ol:26:GLN:HG3	3:ol:27:PRO:HD2	2.00	0.42
3:ol:71:TYR:O	3:ol:72:GLU:HB2	2.19	0.42
3:6l:71:TYR:O	3:6l:72:GLU:HB2	2.19	0.42
1:D:353:VAL:H	1:D:645:GLN:NE2	2.18	0.42
1:E:353:VAL:H	1:E:645:GLN:NE2	2.17	0.42
1:G:342:VAL:HG22	1:G:648:ILE:HG13	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:I:342:VAL:HG22	1:I:648:ILE:HG13	2.01	0.42
1:P:353:VAL:H	1:P:645:GLN:NE2	2.17	0.42
1:h:580:SER:O	1:u:484:ARG:HD3	2.18	0.42
1:o:380:LEU:HD12	1:o:389:ARG:HB3	2.01	0.42
1:x:353:VAL:H	1:x:645:GLN:NE2	2.17	0.42
1:1:353:VAL:H	1:1:645:GLN:NE2	2.17	0.42
2:Eh:25:GLU:OE2	2:Eh:144:GLY:CA	2.60	0.42
2:Gh:69:ILE:HG12	2:Gh:84:LEU:HD13	2.00	0.42
2:Lh:30:LEU:HD23	2:Lh:30:LEU:O	2.19	0.42
2:Mh:30:LEU:HD23	2:Mh:30:LEU:O	2.19	0.42
2:Qh:30:LEU:HD23	2:Qh:30:LEU:O	2.19	0.42
2:ch:30:LEU:HD23	2:ch:30:LEU:O	2.19	0.42
2:sh:69:ILE:HG12	2:sh:84:LEU:HD13	2.00	0.42
2:3h:30:LEU:HD23	2:3h:30:LEU:O	2.19	0.42
3:Ll:30:GLU:O	3:Ll:128:THR:OG1	2.32	0.42
3:Wl:70:ILE:HA	3:Wl:75:LYS:O	2.19	0.42
3:cl:30:GLU:O	3:cl:128:THR:OG1	2.32	0.42
3:kl:70:ILE:HA	3:kl:75:LYS:O	2.19	0.42
3:rl:69:MET:O	3:rl:77:PRO:HD3	2.19	0.42
3:sl:70:ILE:HA	3:sl:75:LYS:O	2.19	0.42
3:xl:69:MET:O	3:xl:77:PRO:HD3	2.19	0.42
3:zl:69:MET:O	3:zl:77:PRO:HD3	2.19	0.42
3:3l:71:TYR:O	3:3l:72:GLU:HB2	2.19	0.42
3:3l:78:SER:HB2	3:3l:79:ARG:HH11	1.83	0.42
3:4l:26:GLN:HG3	3:4l:27:PRO:HD2	2.00	0.42
1:L:353:VAL:H	1:L:645:GLN:NE2	2.17	0.42
1:U:353:VAL:H	1:U:645:GLN:NE2	2.18	0.42
1:V:353:VAL:H	1:V:645:GLN:NE2	2.18	0.42
1:Z:353:VAL:H	1:Z:645:GLN:NE2	2.18	0.42
1:f:353:VAL:H	1:f:645:GLN:NE2	2.18	0.42
1:h:342:VAL:HG22	1:h:648:ILE:HG13	2.01	0.42
1:h:353:VAL:H	1:h:645:GLN:NE2	2.18	0.42
1:k:342:VAL:HG22	1:k:648:ILE:HG13	2.01	0.42
1:n:353:VAL:H	1:n:645:GLN:NE2	2.17	0.42
1:q:342:VAL:HG22	1:q:648:ILE:HG13	2.01	0.42
1:v:380:LEU:HD12	1:v:389:ARG:HB3	2.01	0.42
1:6:353:VAL:H	1:6:645:GLN:NE2	2.18	0.42
2:Th:30:LEU:HD23	2:Th:30:LEU:O	2.19	0.42
2:gh:30:LEU:HD23	2:gh:30:LEU:O	2.19	0.42
2:qh:69:ILE:HG12	2:qh:84:LEU:HD13	2.00	0.42
3:Bl:69:MET:O	3:Bl:77:PRO:HD3	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Gl:53:ASN:ND2	3:Gl:53:ASN:N	2.60	0.42
3:Sl:78:SER:HB2	3:Sl:79:ARG:HH11	1.83	0.42
3:Ul:26:GLN:HG3	3:Ul:27:PRO:HD2	2.00	0.42
3:Ul:69:MET:O	3:Ul:77:PRO:HD3	2.19	0.42
3:Wl:69:MET:O	3:Wl:77:PRO:HD3	2.19	0.42
3:Zl:30:GLU:O	3:Zl:128:THR:OG1	2.32	0.42
3:cl:26:GLN:HG3	3:cl:27:PRO:HD2	2.00	0.42
3:kl:69:MET:O	3:kl:77:PRO:HD3	2.19	0.42
3:kl:71:TYR:O	3:kl:72:GLU:HB2	2.19	0.42
3:sl:71:TYR:O	3:sl:72:GLU:HB2	2.19	0.42
3:3l:30:GLU:O	3:3l:128:THR:OG1	2.32	0.42
3:5l:70:ILE:HA	3:5l:75:LYS:O	2.19	0.42
3:7l:71:TYR:O	3:7l:72:GLU:HB2	2.19	0.42
1:N:342:VAL:HG22	1:N:648:ILE:HG13	2.01	0.42
1:S:353:VAL:H	1:S:645:GLN:NE2	2.17	0.42
1:U:342:VAL:HG22	1:U:648:ILE:HG13	2.01	0.42
1:e:380:LEU:HD12	1:e:389:ARG:HB3	2.01	0.42
1:s:342:VAL:HG22	1:s:648:ILE:HG13	2.01	0.42
1:z:353:VAL:H	1:z:645:GLN:NE2	2.17	0.42
1:5:380:LEU:HD12	1:5:389:ARG:HB3	2.01	0.42
2:Ch:25:GLU:OE2	2:Ch:144:GLY:CA	2.60	0.42
2:Oh:69:ILE:HG12	2:Oh:84:LEU:HD13	2.00	0.42
2:Rh:25:GLU:OE2	2:Rh:144:GLY:CA	2.60	0.42
2:rh:34:SER:O	2:rh:34:SER:OG	2.34	0.42
3:Cl:26:GLN:HG3	3:Cl:27:PRO:HD2	2.00	0.42
3:Fl:26:GLN:HG3	3:Fl:27:PRO:HD2	2.00	0.42
3:Il:69:MET:O	3:Il:77:PRO:HD3	2.19	0.42
3:Ll:78:SER:HB2	3:Ll:79:ARG:HH11	1.83	0.42
3:bl:69:MET:O	3:bl:77:PRO:HD3	2.19	0.42
3:el:70:ILE:HA	3:el:75:LYS:O	2.19	0.42
3:hl:69:MET:O	3:hl:77:PRO:HD3	2.19	0.42
3:jl:69:MET:O	3:jl:77:PRO:HD3	2.19	0.42
3:sl:69:MET:O	3:sl:77:PRO:HD3	2.19	0.42
3:xl:26:GLN:HG3	3:xl:27:PRO:HD2	2.00	0.42
3:3l:26:GLN:HG3	3:3l:27:PRO:HD2	2.00	0.42
1:B:342:VAL:HG22	1:B:648:ILE:HG13	2.01	0.42
1:B:380:LEU:HD12	1:B:389:ARG:HB3	2.01	0.42
1:D:235:MET:HE3	1:D:235:MET:HB2	1.85	0.42
1:b:342:VAL:HG22	1:b:648:ILE:HG13	2.01	0.42
1:j:380:LEU:HD12	1:j:389:ARG:HB3	2.01	0.42
1:r:353:VAL:H	1:r:645:GLN:NE2	2.17	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:z:342:VAL:HG22	1:z:648:ILE:HG13	2.01	0.42
1:7:353:VAL:H	1:7:645:GLN:NE2	2.17	0.42
2:Kh:25:GLU:OE2	2:Kh:144:GLY:CA	2.60	0.42
2:Ph:25:GLU:OE2	2:Ph:144:GLY:CA	2.60	0.42
2:jh:34:SER:O	2:jh:34:SER:OG	2.34	0.42
3:Al:69:MET:O	3:Al:77:PRO:HD3	2.19	0.42
3:Il:70:ILE:HA	3:Il:75:LYS:O	2.19	0.42
3:Ll:71:TYR:O	3:Ll:72:GLU:HB2	2.19	0.42
3:Vl:30:GLU:O	3:Vl:128:THR:OG1	2.32	0.42
3:Xl:24:LEU:HD23	3:Xl:24:LEU:HA	1.90	0.42
3:al:69:MET:O	3:al:77:PRO:HD3	2.19	0.42
3:al:71:TYR:O	3:al:72:GLU:HB2	2.19	0.42
3:hl:26:GLN:HG3	3:hl:27:PRO:HD2	2.00	0.42
3:jl:71:TYR:O	3:jl:72:GLU:HB2	2.18	0.42
3:kl:30:GLU:O	3:kl:128:THR:OG1	2.32	0.42
3:ll:70:ILE:HA	3:ll:75:LYS:O	2.19	0.42
3:ol:30:GLU:O	3:ol:128:THR:OG1	2.32	0.42
3:ol:71:TYR:O	3:ol:72:GLU:HB2	2.19	0.42
3:vl:71:TYR:O	3:vl:72:GLU:HB2	2.19	0.42
3:1l:30:GLU:O	3:1l:128:THR:OG1	2.32	0.42
3:2l:70:ILE:HA	3:2l:75:LYS:O	2.19	0.42
1:A:342:VAL:HG22	1:A:648:ILE:HG13	2.01	0.42
1:B:353:VAL:H	1:B:645:GLN:NE2	2.18	0.42
1:F:342:VAL:HG22	1:F:648:ILE:HG13	2.01	0.42
1:J:342:VAL:HG22	1:J:648:ILE:HG13	2.01	0.42
1:Y:342:VAL:HG22	1:Y:648:ILE:HG13	2.01	0.42
1:a:353:VAL:H	1:a:645:GLN:NE2	2.17	0.42
1:j:353:VAL:H	1:j:645:GLN:NE2	2.17	0.42
1:v:353:VAL:H	1:v:645:GLN:NE2	2.18	0.42
1:z:380:LEU:HD12	1:z:389:ARG:HB3	2.01	0.42
2:Hh:34:SER:O	2:Hh:34:SER:OG	2.34	0.42
2:Yh:34:SER:O	2:Yh:34:SER:OG	2.34	0.42
2:nh:30:LEU:HD23	2:nh:30:LEU:O	2.19	0.42
2:qh:30:LEU:HD23	2:qh:30:LEU:O	2.19	0.42
3:Nl:26:GLN:HG3	3:Nl:27:PRO:HD2	2.00	0.42
3:Sl:71:TYR:O	3:Sl:72:GLU:HB2	2.19	0.42
3:el:30:GLU:O	3:el:128:THR:OG1	2.32	0.42
3:tl:69:MET:O	3:tl:77:PRO:HD3	2.19	0.42
3:vl:30:GLU:O	3:vl:128:THR:OG1	2.32	0.42
3:2l:26:GLN:HG3	3:2l:27:PRO:HD2	2.00	0.42
3:6l:30:GLU:O	3:6l:128:THR:OG1	2.32	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:7l:69:MET:O	3:7l:77:PRO:HD3	2.19	0.42
1:H:342:VAL:HG22	1:H:648:ILE:HG13	2.01	0.42
1:O:657:PRO:HB3	1:O:666:PHE:CZ	2.32	0.42
1:X:342:VAL:HG22	1:X:648:ILE:HG13	2.01	0.42
1:o:353:VAL:H	1:o:645:GLN:NE2	2.18	0.42
1:r:380:LEU:HD12	1:r:389:ARG:HB3	2.01	0.42
2:uh:30:LEU:HD23	2:uh:30:LEU:O	2.19	0.42
2:uh:69:ILE:HG12	2:uh:84:LEU:HD13	2.00	0.42
2:1h:30:LEU:HD23	2:1h:30:LEU:O	2.19	0.42
3:Jl:24:LEU:HD23	3:Jl:24:LEU:HA	1.90	0.42
3:Jl:78:SER:HB2	3:Jl:79:ARG:HH11	1.83	0.42
3:Vl:70:ILE:HA	3:Vl:75:LYS:O	2.19	0.42
3:fl:30:GLU:O	3:fl:128:THR:OG1	2.32	0.42
3:ul:69:MET:O	3:ul:77:PRO:HD3	2.19	0.42
1:M:353:VAL:H	1:M:645:GLN:NE2	2.17	0.42
1:Q:353:VAL:H	1:Q:645:GLN:NE2	2.17	0.42
1:T:353:VAL:H	1:T:645:GLN:NE2	2.17	0.42
1:U:555:GLU:H	1:U:555:GLU:CD	2.17	0.42
1:d:342:VAL:HG22	1:d:648:ILE:HG13	2.01	0.42
1:g:353:VAL:H	1:g:645:GLN:NE2	2.17	0.42
1:p:353:VAL:H	1:p:645:GLN:NE2	2.17	0.42
1:t:353:VAL:H	1:t:645:GLN:NE2	2.17	0.42
1:u:610:ASP:OD1	1:u:728:THR:OG1	2.36	0.42
1:w:353:VAL:H	1:w:645:GLN:NE2	2.17	0.42
1:3:365:PHE:HA	1:3:366:PRO:HD3	1.95	0.42
1:4:342:VAL:HG22	1:4:648:ILE:HG13	2.01	0.42
2:Ah:57:TRP:NE1	2:Ah:101:LEU:HB2	2.35	0.42
2:Lh:118:ARG:NH2	2:Lh:141:ASP:OD2	2.49	0.42
2:Yh:30:LEU:HD23	2:Yh:30:LEU:O	2.19	0.42
2:bh:57:TRP:NE1	2:bh:101:LEU:HB2	2.35	0.42
2:xh:25:GLU:OE2	2:xh:144:GLY:CA	2.60	0.42
3:il:69:MET:O	3:il:77:PRO:HD3	2.19	0.42
3:ll:26:GLN:HG3	3:ll:27:PRO:HD2	2.00	0.42
3:ql:69:MET:O	3:ql:77:PRO:HD3	2.19	0.42
3:rl:26:GLN:HG3	3:rl:27:PRO:HD2	2.00	0.42
3:rl:71:TYR:O	3:rl:72:GLU:HB2	2.19	0.42
3:zl:31:SER:CA	3:zl:128:THR:O	2.40	0.42
3:3l:70:ILE:HA	3:3l:75:LYS:O	2.19	0.42
1:Z:380:LEU:HD12	1:Z:389:ARG:HB3	2.01	0.42
1:i:353:VAL:H	1:i:645:GLN:NE2	2.17	0.42
1:i:380:LEU:HD12	1:i:389:ARG:HB3	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:j:610:ASP:OD1	1:j:728:THR:OG1	2.36	0.42
1:y:380:LEU:HD12	1:y:389:ARG:HB3	2.01	0.42
1:6:380:LEU:HD12	1:6:389:ARG:HB3	2.01	0.42
2:Hh:30:LEU:HD23	2:Hh:30:LEU:O	2.19	0.42
2:ah:57:TRP:NE1	2:ah:101:LEU:HB2	2.35	0.42
2:fh:53:TYR:CE1	2:fh:120:VAL:HG22	2.55	0.42
2:hh:30:LEU:HD23	2:hh:30:LEU:O	2.19	0.42
2:7h:57:TRP:NE1	2:7h:101:LEU:HB2	2.35	0.42
3:Xl:78:SER:HB2	3:Xl:79:ARG:HH11	1.83	0.42
3:cl:70:ILE:HA	3:cl:75:LYS:O	2.19	0.42
1:K:380:LEU:HD12	1:K:389:ARG:HB3	2.01	0.41
1:O:235:MET:HE3	1:O:235:MET:HB2	1.85	0.41
1:h:555:GLU:H	1:h:555:GLU:CD	2.17	0.41
1:t:380:LEU:HD12	1:t:389:ARG:HB3	2.01	0.41
2:Th:25:GLU:OE2	2:Th:144:GLY:CA	2.60	0.41
2:Vh:53:TYR:CE1	2:Vh:120:VAL:HG22	2.55	0.41
2:Zh:25:GLU:OE2	2:Zh:144:GLY:CA	2.60	0.41
2:Zh:57:TRP:NE1	2:Zh:101:LEU:HB2	2.35	0.41
2:nh:25:GLU:OE2	2:nh:144:GLY:CA	2.60	0.41
2:6h:57:TRP:NE1	2:6h:101:LEU:HB2	2.35	0.41
3:fl:70:ILE:HA	3:fl:75:LYS:O	2.19	0.41
3:jl:26:GLN:HG3	3:jl:27:PRO:HD2	2.00	0.41
1:D:380:LEU:HD12	1:D:389:ARG:HB3	2.01	0.41
1:F:380:LEU:HD12	1:F:389:ARG:HB3	2.01	0.41
1:I:235:MET:HB2	1:I:235:MET:HE3	1.85	0.41
1:K:353:VAL:H	1:K:645:GLN:NE2	2.17	0.41
1:K:490:LYS:HG3	1:K:532:LYS:O	2.21	0.41
1:N:380:LEU:HD12	1:N:389:ARG:HB3	2.01	0.41
1:R:380:LEU:HD12	1:R:389:ARG:HB3	2.01	0.41
1:R:490:LYS:HG3	1:R:532:LYS:O	2.21	0.41
1:W:380:LEU:HD12	1:W:389:ARG:HB3	2.01	0.41
1:d:353:VAL:H	1:d:645:GLN:NE2	2.17	0.41
1:q:380:LEU:HD12	1:q:389:ARG:HB3	2.01	0.41
1:u:380:LEU:HD12	1:u:389:ARG:HB3	2.01	0.41
1:4:353:VAL:H	1:4:645:GLN:NE2	2.17	0.41
2:Dh:57:TRP:NE1	2:Dh:101:LEU:HB2	2.35	0.41
2:Rh:57:TRP:NE1	2:Rh:101:LEU:HB2	2.35	0.41
2:Sh:118:ARG:NH2	2:Sh:141:ASP:OD2	2.49	0.41
2:Uh:30:LEU:HD23	2:Uh:30:LEU:O	2.19	0.41
2:oh:57:TRP:NE1	2:oh:101:LEU:HB2	2.35	0.41
2:yh:57:TRP:NE1	2:yh:101:LEU:HB2	2.35	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Jl:30:GLU:O	3:Jl:128:THR:OG1	2.32	0.41
3:ml:69:MET:O	3:ml:77:PRO:HD3	2.19	0.41
1:H:353:VAL:H	1:H:645:GLN:NE2	2.18	0.41
1:I:380:LEU:HD12	1:I:389:ARG:HB3	2.01	0.41
1:U:490:LYS:HG3	1:U:532:LYS:O	2.21	0.41
1:e:353:VAL:H	1:e:645:GLN:NE2	2.17	0.41
1:y:235:MET:HE3	1:y:235:MET:HB2	1.85	0.41
1:3:353:VAL:H	1:3:645:GLN:NE2	2.18	0.41
1:3:490:LYS:HG3	1:3:532:LYS:O	2.21	0.41
1:5:353:VAL:H	1:5:645:GLN:NE2	2.17	0.41
2:Kh:57:TRP:NE1	2:Kh:101:LEU:HB2	2.35	0.41
2:1h:25:GLU:OE2	2:1h:144:GLY:CA	2.60	0.41
3:Dl:26:GLN:HG3	3:Dl:27:PRO:HD2	2.00	0.41
3:Ql:26:GLN:HG3	3:Ql:27:PRO:HD2	2.00	0.41
3:pl:85:SER:HB2	3:pl:96:THR:HB	2.03	0.41
1:G:353:VAL:H	1:G:645:GLN:NE2	2.18	0.41
1:I:490:LYS:HG3	1:I:532:LYS:O	2.21	0.41
1:S:342:VAL:HG22	1:S:648:ILE:HG13	2.01	0.41
1:T:342:VAL:HG22	1:T:648:ILE:HG13	2.01	0.41
1:W:490:LYS:HG3	1:W:532:LYS:O	2.21	0.41
1:Y:353:VAL:H	1:Y:645:GLN:NE2	2.18	0.41
1:b:353:VAL:H	1:b:645:GLN:NE2	2.17	0.41
1:c:353:VAL:H	1:c:645:GLN:NE2	2.18	0.41
1:c:365:PHE:HA	1:c:366:PRO:HD3	1.95	0.41
1:c:490:LYS:HG3	1:c:532:LYS:O	2.21	0.41
1:h:380:LEU:HD12	1:h:389:ARG:HB3	2.01	0.41
1:h:490:LYS:HG3	1:h:532:LYS:O	2.21	0.41
2:Kh:53:TYR:CE1	2:Kh:120:VAL:HG22	2.55	0.41
2:Mh:57:TRP:NE1	2:Mh:101:LEU:HB2	2.35	0.41
2:Th:57:TRP:NE1	2:Th:101:LEU:HB2	2.35	0.41
2:dh:57:TRP:NE1	2:dh:101:LEU:HB2	2.35	0.41
2:kh:53:TYR:CE1	2:kh:120:VAL:HG22	2.55	0.41
2:sh:53:TYR:CE1	2:sh:120:VAL:HG22	2.55	0.41
2:vh:57:TRP:NE1	2:vh:101:LEU:HB2	2.35	0.41
2:2h:57:TRP:NE1	2:2h:101:LEU:HB2	2.35	0.41
3:Ul:71:TYR:O	3:Ul:72:GLU:HB2	2.19	0.41
3:el:26:GLN:HG3	3:el:27:PRO:HD2	2.00	0.41
3:gl:85:SER:HB2	3:gl:96:THR:HB	2.03	0.41
3:jl:85:SER:HB2	3:jl:96:THR:HB	2.03	0.41
3:ql:26:GLN:HG3	3:ql:27:PRO:HD2	2.00	0.41
3:ql:85:SER:HB2	3:ql:96:THR:HB	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:ul:26:GLN:HG3	3:ul:27:PRO:HD2	2.00	0.41
3:ul:85:SER:HB2	3:ul:96:THR:HB	2.03	0.41
3:wl:85:SER:HB2	3:wl:96:THR:HB	2.03	0.41
3:ol:69:MET:O	3:ol:77:PRO:HD3	2.19	0.41
1:A:490:LYS:HG3	1:A:532:LYS:O	2.21	0.41
1:E:490:LYS:HG3	1:E:532:LYS:O	2.21	0.41
1:G:235:MET:HE3	1:G:235:MET:HB2	1.85	0.41
1:L:342:VAL:HG22	1:L:648:ILE:HG13	2.01	0.41
1:O:353:VAL:H	1:O:645:GLN:NE2	2.18	0.41
1:R:353:VAL:H	1:R:645:GLN:NE2	2.18	0.41
1:U:380:LEU:HD12	1:U:389:ARG:HB3	2.01	0.41
1:V:490:LYS:HG3	1:V:532:LYS:O	2.21	0.41
1:Y:490:LYS:HG3	1:Y:532:LYS:O	2.21	0.41
1:d:490:LYS:HG3	1:d:532:LYS:O	2.21	0.41
1:f:490:LYS:HG3	1:f:532:LYS:O	2.20	0.41
1:g:342:VAL:HG22	1:g:648:ILE:HG13	2.01	0.41
1:t:490:LYS:HG3	1:t:532:LYS:O	2.21	0.41
1:4:490:LYS:HG3	1:4:532:LYS:O	2.21	0.41
2:Jh:57:TRP:NE1	2:Jh:101:LEU:HB2	2.35	0.41
2:Qh:57:TRP:NE1	2:Qh:101:LEU:HB2	2.35	0.41
2:Rh:53:TYR:CE1	2:Rh:120:VAL:HG22	2.55	0.41
2:Th:53:TYR:CE1	2:Th:120:VAL:HG22	2.55	0.41
2:gh:25:GLU:OE2	2:gh:144:GLY:CA	2.60	0.41
2:gh:53:TYR:CE1	2:gh:120:VAL:HG22	2.55	0.41
2:gh:57:TRP:NE1	2:gh:101:LEU:HB2	2.35	0.41
2:lh:57:TRP:NE1	2:lh:101:LEU:HB2	2.35	0.41
2:ph:57:TRP:NE1	2:ph:101:LEU:HB2	2.35	0.41
2:wh:57:TRP:NE1	2:wh:101:LEU:HB2	2.35	0.41
2:0h:25:GLU:OE2	2:0h:144:GLY:CA	2.60	0.41
2:4h:57:TRP:NE1	2:4h:101:LEU:HB2	2.35	0.41
2:6h:25:GLU:OE2	2:6h:144:GLY:CA	2.60	0.41
3:Al:85:SER:HB2	3:Al:96:THR:HB	2.03	0.41
3:El:85:SER:HB2	3:El:96:THR:HB	2.03	0.41
3:Ml:26:GLN:HG3	3:Ml:27:PRO:HD2	2.00	0.41
3:Ml:85:SER:HB2	3:Ml:96:THR:HB	2.03	0.41
3:Pl:85:SER:HB2	3:Pl:96:THR:HB	2.03	0.41
3:Ql:85:SER:HB2	3:Ql:96:THR:HB	2.03	0.41
3:Tl:85:SER:HB2	3:Tl:96:THR:HB	2.03	0.41
3:bl:24:LEU:HD23	3:bl:24:LEU:HA	1.90	0.41
3:bl:85:SER:HB2	3:bl:96:THR:HB	2.03	0.41
3:fl:71:TYR:O	3:fl:72:GLU:HB2	2.18	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:fl:108:TYR:HE2	3:fl:127:LEU:HD23	1.86	0.41
3:hl:71:TYR:O	3:hl:72:GLU:HB2	2.19	0.41
3:rl:85:SER:HB2	3:rl:96:THR:HB	2.03	0.41
3:wl:69:MET:O	3:wl:77:PRO:HD3	2.19	0.41
1:A:353:VAL:H	1:A:645:GLN:NE2	2.17	0.41
1:F:490:LYS:HG3	1:F:532:LYS:O	2.21	0.41
1:H:490:LYS:HG3	1:H:532:LYS:O	2.21	0.41
1:J:490:LYS:HG3	1:J:532:LYS:O	2.21	0.41
1:N:353:VAL:H	1:N:645:GLN:NE2	2.17	0.41
1:P:490:LYS:HG3	1:P:532:LYS:O	2.21	0.41
1:X:490:LYS:HG3	1:X:532:LYS:O	2.21	0.41
1:b:490:LYS:HG3	1:b:532:LYS:O	2.21	0.41
1:x:365:PHE:HA	1:x:366:PRO:HD3	1.94	0.41
2:Ah:53:TYR:CE1	2:Ah:120:VAL:HG22	2.55	0.41
2:Hh:53:TYR:CE1	2:Hh:120:VAL:HG22	2.55	0.41
2:Jh:53:TYR:CE1	2:Jh:120:VAL:HG22	2.55	0.41
2:Nh:57:TRP:NE1	2:Nh:101:LEU:HB2	2.35	0.41
2:Yh:53:TYR:CE1	2:Yh:120:VAL:HG22	2.55	0.41
2:ah:53:TYR:CE1	2:ah:120:VAL:HG22	2.55	0.41
2:ch:57:TRP:NE1	2:ch:101:LEU:HB2	2.35	0.41
2:3h:57:TRP:NE1	2:3h:101:LEU:HB2	2.35	0.41
3:Wl:85:SER:HB2	3:Wl:96:THR:HB	2.03	0.41
3:Zl:24:LEU:HD23	3:Zl:24:LEU:HA	1.90	0.41
3:al:108:TYR:HE2	3:al:127:LEU:HD23	1.86	0.41
3:pl:69:MET:O	3:pl:77:PRO:HD3	2.19	0.41
3:tl:24:LEU:HD23	3:tl:24:LEU:HA	1.90	0.41
3:yl:26:GLN:HG3	3:yl:27:PRO:HD2	2.00	0.41
3:7l:108:TYR:HE2	3:7l:127:LEU:HD23	1.86	0.41
1:F:353:VAL:H	1:F:645:GLN:NE2	2.17	0.41
1:G:448:THR:C	1:G:459:ARG:O	2.64	0.41
1:K:610:ASP:OD1	1:K:728:THR:OG1	2.36	0.41
1:L:490:LYS:HG3	1:L:532:LYS:O	2.21	0.41
1:N:490:LYS:HG3	1:N:532:LYS:O	2.21	0.41
1:O:448:THR:C	1:O:459:ARG:O	2.64	0.41
1:V:235:MET:HB2	1:V:235:MET:HE3	1.85	0.41
1:f:235:MET:HB2	1:f:235:MET:HE3	1.85	0.41
1:i:490:LYS:HG3	1:i:532:LYS:O	2.21	0.41
1:l:353:VAL:H	1:l:645:GLN:NE2	2.18	0.41
1:o:235:MET:HB2	1:o:235:MET:HE3	1.85	0.41
1:q:490:LYS:HG3	1:q:532:LYS:O	2.21	0.41
1:x:490:LYS:HG3	1:x:532:LYS:O	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:O:490:LYS:HG3	1:O:532:LYS:O	2.21	0.41
2:Ch:57:TRP:NE1	2:Ch:101:LEU:HB2	2.35	0.41
2:Fh:57:TRP:NE1	2:Fh:101:LEU:HB2	2.35	0.41
2:Uh:34:SER:O	2:Uh:34:SER:OG	2.34	0.41
2:Xh:53:TYR:CE1	2:Xh:120:VAL:HG22	2.55	0.41
2:Xh:57:TRP:NE1	2:Xh:101:LEU:HB2	2.35	0.41
2:fh:57:TRP:NE1	2:fh:101:LEU:HB2	2.35	0.41
2:jh:57:TRP:NE1	2:jh:101:LEU:HB2	2.35	0.41
2:rh:57:TRP:NE1	2:rh:101:LEU:HB2	2.35	0.41
2:7h:53:TYR:CE1	2:7h:120:VAL:HG22	2.55	0.41
3:Il:85:SER:HB2	3:Il:96:THR:HB	2.03	0.41
3:Ul:85:SER:HB2	3:Ul:96:THR:HB	2.03	0.41
3:Vl:108:TYR:HE2	3:Vl:127:LEU:HD23	1.86	0.41
3:hl:85:SER:HB2	3:hl:96:THR:HB	2.03	0.41
3:pl:30:GLU:O	3:pl:128:THR:OG1	2.32	0.41
1:A:235:MET:HB2	1:A:235:MET:HE3	1.85	0.41
1:C:490:LYS:HG3	1:C:532:LYS:O	2.21	0.41
1:K:448:THR:C	1:K:459:ARG:O	2.64	0.41
1:S:490:LYS:HG3	1:S:532:LYS:O	2.21	0.41
1:U:448:THR:C	1:U:459:ARG:O	2.64	0.41
1:W:235:MET:HB2	1:W:235:MET:HE3	1.85	0.41
1:b:235:MET:HB2	1:b:235:MET:HE3	1.85	0.41
1:e:490:LYS:HG3	1:e:532:LYS:O	2.21	0.41
1:g:448:THR:C	1:g:459:ARG:O	2.64	0.41
1:m:490:LYS:HG3	1:m:532:LYS:O	2.21	0.41
1:u:490:LYS:HG3	1:u:532:LYS:O	2.21	0.41
2:Ch:58:ILE:HD12	2:Ch:143:TRP:CZ3	2.56	0.41
2:Sh:57:TRP:NE1	2:Sh:101:LEU:HB2	2.35	0.41
2:Vh:57:TRP:NE1	2:Vh:101:LEU:HB2	2.35	0.41
2:bh:53:TYR:CE1	2:bh:120:VAL:HG22	2.55	0.41
2:dh:61:PRO:HA	2:dh:62:PRO:HD3	1.97	0.41
2:ih:53:TYR:CE1	2:ih:120:VAL:HG22	2.55	0.41
2:mh:58:ILE:HD12	2:mh:143:TRP:CZ3	2.56	0.41
2:th:53:TYR:CE1	2:th:120:VAL:HG22	2.55	0.41
2:xh:57:TRP:NE1	2:xh:101:LEU:HB2	2.35	0.41
2:0h:58:ILE:HD12	2:0h:143:TRP:CZ3	2.56	0.41
2:4h:61:PRO:HA	2:4h:62:PRO:HD3	1.97	0.41
3:Bl:108:TYR:HE2	3:Bl:127:LEU:HD23	1.86	0.41
3:Cl:85:SER:HB2	3:Cl:96:THR:HB	2.03	0.41
3:Ol:85:SER:HB2	3:Ol:96:THR:HB	2.03	0.41
3:Sl:85:SER:HB2	3:Sl:96:THR:HB	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Vl:71:TYR:O	3:Vl:72:GLU:HB2	2.19	0.41
1:C:555:GLU:H	1:C:555:GLU:CD	2.17	0.41
1:H:380:LEU:HD12	1:H:389:ARG:HB3	2.01	0.41
1:M:448:THR:C	1:M:459:ARG:O	2.64	0.41
1:Q:448:THR:C	1:Q:459:ARG:O	2.64	0.41
1:R:448:THR:C	1:R:459:ARG:O	2.64	0.41
1:T:448:THR:C	1:T:459:ARG:O	2.64	0.41
1:Y:380:LEU:HD12	1:Y:389:ARG:HB3	2.01	0.41
1:Z:448:THR:C	1:Z:459:ARG:O	2.64	0.41
1:a:448:THR:C	1:a:459:ARG:O	2.64	0.41
1:b:448:THR:C	1:b:459:ARG:O	2.64	0.41
1:h:448:THR:C	1:h:459:ARG:O	2.64	0.41
1:j:448:THR:C	1:j:459:ARG:O	2.64	0.41
1:m:610:ASP:OD1	1:m:728:THR:OG1	2.36	0.41
1:q:448:THR:C	1:q:459:ARG:O	2.64	0.41
1:r:448:THR:C	1:r:459:ARG:O	2.64	0.41
1:u:448:THR:C	1:u:459:ARG:O	2.64	0.41
1:u:654:PRO:HG3	1:0:369:VAL:HG11	2.03	0.41
1:1:490:LYS:HG3	1:1:532:LYS:O	2.21	0.41
1:2:353:VAL:H	1:2:645:GLN:NE2	2.18	0.41
1:3:448:THR:C	1:3:459:ARG:O	2.64	0.41
1:5:490:LYS:HG3	1:5:532:LYS:O	2.21	0.41
2:Eh:57:TRP:NE1	2:Eh:101:LEU:HB2	2.35	0.41
2:Gh:58:ILE:HD12	2:Gh:143:TRP:CZ3	2.56	0.41
2:Kh:58:ILE:HD12	2:Kh:143:TRP:CZ3	2.56	0.41
2:Lh:57:TRP:NE1	2:Lh:101:LEU:HB2	2.35	0.41
2:Oh:58:ILE:HD12	2:Oh:143:TRP:CZ3	2.56	0.41
2:Rh:58:ILE:HD12	2:Rh:143:TRP:CZ3	2.56	0.41
2:dh:53:TYR:CE1	2:dh:120:VAL:HG22	2.55	0.41
2:dh:58:ILE:HD12	2:dh:143:TRP:CZ3	2.56	0.41
2:ih:58:ILE:HD12	2:ih:143:TRP:CZ3	2.56	0.41
2:kh:57:TRP:NE1	2:kh:101:LEU:HB2	2.35	0.41
2:mh:25:GLU:OE2	2:mh:144:GLY:CA	2.60	0.41
2:oh:58:ILE:HD12	2:oh:143:TRP:CZ3	2.56	0.41
2:sh:57:TRP:NE1	2:sh:101:LEU:HB2	2.35	0.41
2:th:57:TRP:NE1	2:th:101:LEU:HB2	2.35	0.41
2:th:58:ILE:HD12	2:th:143:TRP:CZ3	2.56	0.41
2:vh:58:ILE:HD12	2:vh:143:TRP:CZ3	2.56	0.41
2:xh:58:ILE:HD12	2:xh:143:TRP:CZ3	2.56	0.41
2:xh:118:ARG:NH2	2:xh:141:ASP:OD2	2.49	0.41
2:4h:53:TYR:CE1	2:4h:120:VAL:HG22	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:4h:58:ILE:HD12	2:4h:143:TRP:CZ3	2.56	0.41
3:Al:24:LEU:HD23	3:Al:24:LEU:HA	1.90	0.41
3:Dl:85:SER:HB2	3:Dl:96:THR:HB	2.03	0.41
3:Fl:108:TYR:HE2	3:Fl:127:LEU:HD23	1.86	0.41
3:Gl:85:SER:HB2	3:Gl:96:THR:HB	2.03	0.41
3:Gl:108:TYR:HE2	3:Gl:127:LEU:HD23	1.86	0.41
3:Jl:85:SER:HB2	3:Jl:96:THR:HB	2.03	0.41
3:Ll:85:SER:HB2	3:Ll:96:THR:HB	2.03	0.41
3:Nl:108:TYR:HE2	3:Nl:127:LEU:HD23	1.86	0.41
3:Ol:108:TYR:HE2	3:Ol:127:LEU:HD23	1.86	0.41
3:Pl:24:LEU:HD23	3:Pl:24:LEU:HA	1.90	0.41
3:Tl:30:GLU:O	3:Tl:128:THR:OG1	2.32	0.41
3:Tl:108:TYR:HE2	3:Tl:127:LEU:HD23	1.86	0.41
3:Xl:85:SER:HB2	3:Xl:96:THR:HB	2.03	0.41
3:Zl:85:SER:HB2	3:Zl:96:THR:HB	2.03	0.41
3:dl:108:TYR:HE2	3:dl:127:LEU:HD23	1.86	0.41
3:jl:108:TYR:HE2	3:jl:127:LEU:HD23	1.86	0.41
3:ml:85:SER:HB2	3:ml:96:THR:HB	2.03	0.41
3:nl:108:TYR:HE2	3:nl:127:LEU:HD23	1.86	0.41
3:xl:85:SER:HB2	3:xl:96:THR:HB	2.03	0.41
3:yl:85:SER:HB2	3:yl:96:THR:HB	2.03	0.41
3:zl:108:TYR:HE2	3:zl:127:LEU:HD23	1.86	0.41
3:ol:85:SER:HB2	3:ol:96:THR:HB	2.03	0.41
3:ll:108:TYR:HE2	3:ll:127:LEU:HD23	1.86	0.41
3:4l:108:TYR:HE2	3:4l:127:LEU:HD23	1.86	0.41
3:6l:85:SER:HB2	3:6l:96:THR:HB	2.03	0.41
3:7l:85:SER:HB2	3:7l:96:THR:HB	2.03	0.41
1:A:448:THR:C	1:A:459:ARG:O	2.64	0.41
1:J:448:THR:C	1:J:459:ARG:O	2.64	0.41
1:X:448:THR:C	1:X:459:ARG:O	2.64	0.41
1:c:448:THR:C	1:c:459:ARG:O	2.64	0.41
1:k:490:LYS:HG3	1:k:532:LYS:O	2.21	0.41
1:n:235:MET:HE3	1:n:235:MET:HB2	1.85	0.41
1:n:490:LYS:HG3	1:n:532:LYS:O	2.21	0.41
1:o:490:LYS:HG3	1:o:532:LYS:O	2.21	0.41
1:v:490:LYS:HG3	1:v:532:LYS:O	2.21	0.41
1:z:448:THR:C	1:z:459:ARG:O	2.64	0.41
1:7:448:THR:C	1:7:459:ARG:O	2.64	0.41
2:Dh:58:ILE:HD12	2:Dh:143:TRP:CZ3	2.56	0.41
2:Mh:58:ILE:HD12	2:Mh:143:TRP:CZ3	2.56	0.41
2:Oh:34:SER:O	2:Oh:34:SER:OG	2.34	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Ph:57:TRP:NE1	2:Ph:101:LEU:HB2	2.35	0.41
2:Qh:58:ILE:HD12	2:Qh:143:TRP:CZ3	2.56	0.41
2:Sh:58:ILE:HD12	2:Sh:143:TRP:CZ3	2.56	0.41
2:Uh:57:TRP:NE1	2:Uh:101:LEU:HB2	2.35	0.41
2:Yh:57:TRP:NE1	2:Yh:101:LEU:HB2	2.35	0.41
2:eh:87:ARG:HG3	2:eh:103:LEU:HD22	2.03	0.41
2:fh:58:ILE:HD12	2:fh:143:TRP:CZ3	2.56	0.41
2:ih:57:TRP:NE1	2:ih:101:LEU:HB2	2.35	0.41
2:nh:57:TRP:NE1	2:nh:101:LEU:HB2	2.35	0.41
2:rh:58:ILE:HD12	2:rh:143:TRP:CZ3	2.56	0.41
2:1h:57:TRP:NE1	2:1h:101:LEU:HB2	2.35	0.41
2:3h:87:ARG:HG3	2:3h:103:LEU:HD22	2.03	0.41
3:Dl:69:MET:O	3:Dl:77:PRO:CD	2.70	0.41
3:Jl:69:MET:O	3:Jl:77:PRO:CD	2.70	0.41
3:Xl:69:MET:O	3:Xl:77:PRO:CD	2.70	0.41
3:al:85:SER:HB2	3:al:96:THR:HB	2.03	0.41
3:cl:108:TYR:HE2	3:cl:127:LEU:HD23	1.86	0.41
3:gl:108:TYR:HE2	3:gl:127:LEU:HD23	1.86	0.41
3:pl:69:MET:O	3:pl:77:PRO:CD	2.70	0.41
3:rl:108:TYR:HE2	3:rl:127:LEU:HD23	1.86	0.41
3:vl:85:SER:HB2	3:vl:96:THR:HB	2.03	0.41
3:wl:30:GLU:O	3:wl:128:THR:OG1	2.32	0.41
3:wl:69:MET:O	3:wl:77:PRO:CD	2.70	0.41
3:6l:24:LEU:HD23	3:6l:24:LEU:HA	1.90	0.41
1:B:448:THR:C	1:B:459:ARG:O	2.64	0.40
1:C:365:PHE:HA	1:C:366:PRO:HD3	1.95	0.40
1:C:448:THR:C	1:C:459:ARG:O	2.64	0.40
1:F:235:MET:HE3	1:F:235:MET:HB2	1.85	0.40
1:J:235:MET:HE3	1:J:235:MET:HB2	1.85	0.40
1:O:362:LEU:HA	1:O:363:PRO:HD3	1.98	0.40
1:a:490:LYS:HG3	1:a:532:LYS:O	2.21	0.40
1:n:448:THR:C	1:n:459:ARG:O	2.64	0.40
1:o:448:THR:C	1:o:459:ARG:O	2.64	0.40
1:s:490:LYS:HG3	1:s:532:LYS:O	2.21	0.40
1:0:610:ASP:OD1	1:0:728:THR:OG1	2.36	0.40
1:1:448:THR:C	1:1:459:ARG:O	2.64	0.40
1:6:448:THR:C	1:6:459:ARG:O	2.64	0.40
1:6:610:ASP:OD1	1:6:728:THR:OG1	2.36	0.40
2:Ch:118:ARG:NH2	2:Ch:141:ASP:OD2	2.49	0.40
2:Gh:57:TRP:NE1	2:Gh:101:LEU:HB2	2.35	0.40
2:Lh:58:ILE:HD12	2:Lh:143:TRP:CZ3	2.56	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Uh:58:ILE:HD12	2:Uh:143:TRP:CZ3	2.56	0.40
2:Vh:87:ARG:HG3	2:Vh:103:LEU:HD22	2.03	0.40
2:eh:118:ARG:NH2	2:eh:141:ASP:OD2	2.49	0.40
2:jh:58:ILE:HD12	2:jh:143:TRP:CZ3	2.56	0.40
2:ph:58:ILE:HD12	2:ph:143:TRP:CZ3	2.56	0.40
2:wh:58:ILE:HD12	2:wh:143:TRP:CZ3	2.56	0.40
2:yh:58:ILE:HD12	2:yh:143:TRP:CZ3	2.56	0.40
2:1h:53:TYR:CE1	2:1h:120:VAL:HG22	2.55	0.40
2:5h:87:ARG:HG3	2:5h:103:LEU:HD22	2.03	0.40
3:Cl:108:TYR:HE2	3:Cl:127:LEU:HD23	1.86	0.40
3:Dl:30:GLU:O	3:Dl:128:THR:OG1	2.32	0.40
3:El:69:MET:O	3:El:77:PRO:CD	2.70	0.40
3:Fl:69:MET:O	3:Fl:77:PRO:CD	2.70	0.40
3:Hl:108:TYR:HE2	3:Hl:127:LEU:HD23	1.86	0.40
3:Il:69:MET:O	3:Il:77:PRO:CD	2.70	0.40
3:Nl:69:MET:O	3:Nl:77:PRO:CD	2.70	0.40
3:Pl:69:MET:O	3:Pl:77:PRO:CD	2.70	0.40
3:Ql:69:MET:O	3:Ql:77:PRO:CD	2.70	0.40
3:Yl:108:TYR:HE2	3:Yl:127:LEU:HD23	1.86	0.40
3:Zl:69:MET:O	3:Zl:77:PRO:CD	2.70	0.40
3:gl:69:MET:O	3:gl:77:PRO:CD	2.70	0.40
3:il:85:SER:HB2	3:il:96:THR:HB	2.03	0.40
3:kl:108:TYR:HE2	3:kl:127:LEU:HD23	1.86	0.40
3:xl:108:TYR:HE2	3:xl:127:LEU:HD23	1.86	0.40
3:yl:69:MET:O	3:yl:77:PRO:CD	2.70	0.40
3:6l:69:MET:O	3:6l:77:PRO:CD	2.70	0.40
1:H:610:ASP:OD1	1:H:728:THR:OG1	2.36	0.40
1:L:448:THR:C	1:L:459:ARG:O	2.64	0.40
1:M:362:LEU:HA	1:M:363:PRO:HD3	1.98	0.40
1:d:448:THR:C	1:d:459:ARG:O	2.64	0.40
1:x:448:THR:C	1:x:459:ARG:O	2.64	0.40
1:1:365:PHE:HA	1:1:366:PRO:HD3	1.95	0.40
1:7:490:LYS:HG3	1:7:532:LYS:O	2.21	0.40
2:Bh:87:ARG:HG3	2:Bh:103:LEU:HD22	2.04	0.40
2:Gh:118:ARG:NH2	2:Gh:141:ASP:OD2	2.49	0.40
2:Hh:57:TRP:NE1	2:Hh:101:LEU:HB2	2.35	0.40
2:Hh:58:ILE:HD12	2:Hh:143:TRP:CZ3	2.56	0.40
2:Oh:57:TRP:NE1	2:Oh:101:LEU:HB2	2.35	0.40
2:Vh:58:ILE:HD12	2:Vh:143:TRP:CZ3	2.56	0.40
2:Wh:58:ILE:HD12	2:Wh:143:TRP:CZ3	2.56	0.40
2:Yh:58:ILE:HD12	2:Yh:143:TRP:CZ3	2.56	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:ch:58:ILE:HD12	2:ch:143:TRP:CZ3	2.56	0.40
2:ch:87:ARG:HG3	2:ch:103:LEU:HD22	2.04	0.40
2:eh:53:TYR:CE1	2:eh:120:VAL:HG22	2.55	0.40
2:hh:57:TRP:NE1	2:hh:101:LEU:HB2	2.35	0.40
2:hh:58:ILE:HD12	2:hh:143:TRP:CZ3	2.56	0.40
2:mh:57:TRP:NE1	2:mh:101:LEU:HB2	2.35	0.40
2:nh:58:ILE:HD12	2:nh:143:TRP:CZ3	2.56	0.40
2:sh:87:ARG:HG3	2:sh:103:LEU:HD22	2.03	0.40
2:1h:58:ILE:HD12	2:1h:143:TRP:CZ3	2.56	0.40
2:3h:58:ILE:HD12	2:3h:143:TRP:CZ3	2.56	0.40
2:5h:53:TYR:CE1	2:5h:120:VAL:HG22	2.55	0.40
2:7h:87:ARG:HG3	2:7h:103:LEU:HD22	2.03	0.40
3:DI:108:TYR:HE2	3:DI:127:LEU:HD23	1.86	0.40
3:SI:108:TYR:HE2	3:SI:127:LEU:HD23	1.86	0.40
3:TI:69:MET:O	3:TI:77:PRO:CD	2.70	0.40
3:UI:24:LEU:HD23	3:UI:24:LEU:HA	1.91	0.40
3:OL:69:MET:O	3:OL:77:PRO:CD	2.69	0.40
3:OL:85:SER:HB2	3:OL:96:THR:HB	2.03	0.40
3:SL:108:TYR:HE2	3:SL:127:LEU:HD23	1.86	0.40
3:TL:85:SER:HB2	3:TL:96:THR:HB	2.03	0.40
3:VL:69:MET:O	3:VL:77:PRO:CD	2.69	0.40
3:3I:108:TYR:HE2	3:3I:127:LEU:HD23	1.86	0.40
1:F:610:ASP:OD1	1:F:728:THR:OG1	2.36	0.40
1:S:448:THR:C	1:S:459:ARG:O	2.64	0.40
1:V:369:VAL:HG11	1:X:654:PRO:HG3	2.04	0.40
1:V:448:THR:C	1:V:459:ARG:O	2.64	0.40
1:L:235:MET:HE3	1:L:235:MET:HB2	1.85	0.40
1:L:490:LYS:HG3	1:L:532:LYS:O	2.21	0.40
1:N:465:ALA:HB1	1:N:473:GLN:HG2	2.04	0.40
1:V:235:MET:HB2	1:V:235:MET:HE3	1.85	0.40
1:Y:448:THR:C	1:Y:459:ARG:O	2.64	0.40
1:1:465:ALA:HB1	1:1:473:GLN:HG2	2.04	0.40
1:2:235:MET:HE3	1:2:235:MET:HB2	1.85	0.40
1:4:448:THR:C	1:4:459:ARG:O	2.64	0.40
2:Fh:58:ILE:HD12	2:Fh:143:TRP:CZ3	2.56	0.40
2:Gh:34:SER:O	2:Gh:34:SER:OG	2.34	0.40
2:Ih:57:TRP:NE1	2:Ih:101:LEU:HB2	2.35	0.40
2:Ih:58:ILE:HD12	2:Ih:143:TRP:CZ3	2.56	0.40
2:nh:53:TYR:CE1	2:nh:120:VAL:HG22	2.55	0.40
2:oh:53:TYR:CE1	2:oh:120:VAL:HG22	2.55	0.40
2:qh:58:ILE:HD12	2:qh:143:TRP:CZ3	2.56	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:sh:25:GLU:OE2	2:sh:144:GLY:CA	2.60	0.40
2:uh:58:ILE:HD12	2:uh:143:TRP:CZ3	2.56	0.40
2:vh:53:TYR:CE1	2:vh:120:VAL:HG22	2.55	0.40
2:zh:58:ILE:HD12	2:zh:143:TRP:CZ3	2.56	0.40
2:zh:87:ARG:HG3	2:zh:103:LEU:HD22	2.04	0.40
2:0h:57:TRP:NE1	2:0h:101:LEU:HB2	2.35	0.40
2:5h:118:ARG:NH2	2:5h:141:ASP:OD2	2.49	0.40
3:Bl:69:MET:O	3:Bl:77:PRO:CD	2.70	0.40
3:El:24:LEU:HD23	3:El:24:LEU:HA	1.90	0.40
3:Hl:85:SER:HB2	3:Hl:96:THR:HB	2.03	0.40
3:Kl:30:GLU:O	3:Kl:128:THR:OG1	2.32	0.40
3:Ll:108:TYR:HE2	3:Ll:127:LEU:HD23	1.86	0.40
3:Yl:85:SER:HB2	3:Yl:96:THR:HB	2.03	0.40
3:dl:69:MET:O	3:dl:77:PRO:CD	2.70	0.40
3:il:69:MET:O	3:il:77:PRO:CD	2.70	0.40
3:ml:108:TYR:HE2	3:ml:127:LEU:HD23	1.86	0.40
3:tl:69:MET:O	3:tl:77:PRO:CD	2.70	0.40
3:yl:108:TYR:HE2	3:yl:127:LEU:HD23	1.86	0.40
3:zl:69:MET:O	3:zl:77:PRO:CD	2.70	0.40
3:4l:69:MET:O	3:4l:77:PRO:CD	2.70	0.40
1:A:465:ALA:HB1	1:A:473:GLN:HG2	2.04	0.40
1:A:654:PRO:HG3	1:4:369:VAL:HG11	2.03	0.40
1:B:490:LYS:HG3	1:B:532:LYS:O	2.20	0.40
1:L:610:ASP:OD1	1:L:728:THR:OG1	2.36	0.40
1:N:465:ALA:HB1	1:N:473:GLN:HG2	2.04	0.40
1:P:284:PHE:CZ	1:P:311:LEU:HD11	2.57	0.40
1:X:235:MET:HE3	1:X:235:MET:HB2	1.85	0.40
1:Y:448:THR:C	1:Y:459:ARG:O	2.64	0.40
1:b:465:ALA:HB1	1:b:473:GLN:HG2	2.04	0.40
1:e:465:ALA:HB1	1:e:473:GLN:HG2	2.04	0.40
1:f:448:THR:C	1:f:459:ARG:O	2.64	0.40
1:k:465:ALA:HB1	1:k:473:GLN:HG2	2.04	0.40
1:m:448:THR:C	1:m:459:ARG:O	2.64	0.40
1:m:555:GLU:H	1:m:555:GLU:CD	2.17	0.40
1:v:448:THR:C	1:v:459:ARG:O	2.64	0.40
1:0:448:THR:C	1:0:459:ARG:O	2.64	0.40
2:Ah:58:ILE:HD12	2:Ah:143:TRP:CZ3	2.56	0.40
2:Bh:57:TRP:NE1	2:Bh:101:LEU:HB2	2.35	0.40
2:Bh:58:ILE:HD12	2:Bh:143:TRP:CZ3	2.56	0.40
2:Nh:58:ILE:HD12	2:Nh:143:TRP:CZ3	2.56	0.40
2:ah:87:ARG:HG3	2:ah:103:LEU:HD22	2.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:bh:58:ILE:HD12	2:bh:143:TRP:CZ3	2.56	0.40
2:fh:87:ARG:HG3	2:fh:103:LEU:HD22	2.04	0.40
2:gh:58:ILE:HD12	2:gh:143:TRP:CZ3	2.56	0.40
2:jh:87:ARG:HG3	2:jh:103:LEU:HD22	2.03	0.40
2:kh:58:ILE:HD12	2:kh:143:TRP:CZ3	2.56	0.40
2:kh:87:ARG:HG3	2:kh:103:LEU:HD22	2.04	0.40
2:qh:53:TYR:CE1	2:qh:120:VAL:HG22	2.55	0.40
2:rh:87:ARG:HG3	2:rh:103:LEU:HD22	2.03	0.40
3:Vl:85:SER:HB2	3:Vl:96:THR:HB	2.03	0.40
3:dl:85:SER:HB2	3:dl:96:THR:HB	2.03	0.40
3:hl:24:LEU:HD23	3:hl:24:LEU:HA	1.91	0.40
3:il:108:TYR:HE2	3:il:127:LEU:HD23	1.86	0.40
3:nl:85:SER:HB2	3:nl:96:THR:HB	2.03	0.40
3:tl:108:TYR:HE2	3:tl:127:LEU:HD23	1.86	0.40
3:ul:53:ASN:ND2	3:ul:53:ASN:N	2.60	0.40
3:ul:108:TYR:HE2	3:ul:127:LEU:HD23	1.86	0.40
3:ol:108:TYR:HE2	3:ol:127:LEU:HD23	1.86	0.40
3:3l:69:MET:O	3:3l:77:PRO:CD	2.70	0.40
1:A:284:PHE:CZ	1:A:311:LEU:HD11	2.57	0.40
1:D:448:THR:C	1:D:459:ARG:O	2.64	0.40
1:D:490:LYS:HG3	1:D:532:LYS:O	2.21	0.40
1:E:284:PHE:CZ	1:E:311:LEU:HD11	2.57	0.40
1:F:448:THR:C	1:F:459:ARG:O	2.64	0.40
1:G:362:LEU:HA	1:G:363:PRO:HD3	1.98	0.40
1:H:448:THR:C	1:H:459:ARG:O	2.64	0.40
1:I:465:ALA:HB1	1:I:473:GLN:HG2	2.04	0.40
1:M:490:LYS:HG3	1:M:532:LYS:O	2.21	0.40
1:N:351:PRO:HB3	1:u:428:GLN:NE2	2.37	0.40
1:N:610:ASP:OD1	1:N:728:THR:OG1	2.36	0.40
1:P:448:THR:C	1:P:459:ARG:O	2.64	0.40
1:P:555:GLU:H	1:P:555:GLU:CD	2.17	0.40
1:P:610:ASP:OD1	1:P:728:THR:OG1	2.36	0.40
1:T:465:ALA:HB1	1:T:473:GLN:HG2	2.04	0.40
1:W:465:ALA:HB1	1:W:473:GLN:HG2	2.04	0.40
1:b:284:PHE:CZ	1:b:311:LEU:HD11	2.57	0.40
1:c:465:ALA:HB1	1:c:473:GLN:HG2	2.04	0.40
1:e:448:THR:C	1:e:459:ARG:O	2.64	0.40
1:g:465:ALA:HB1	1:g:473:GLN:HG2	2.04	0.40
1:i:448:THR:C	1:i:459:ARG:O	2.64	0.40
1:k:448:THR:C	1:k:459:ARG:O	2.64	0.40
1:l:448:THR:C	1:l:459:ARG:O	2.64	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:n:365:PHE:HA	1:n:366:PRO:HD3	1.95	0.40
1:p:465:ALA:HB1	1:p:473:GLN:HG2	2.04	0.40
1:s:465:ALA:HB1	1:s:473:GLN:HG2	2.04	0.40
1:t:448:THR:C	1:t:459:ARG:O	2.64	0.40
1:w:448:THR:C	1:w:459:ARG:O	2.64	0.40
1:w:465:ALA:HB1	1:w:473:GLN:HG2	2.04	0.40
1:w:490:LYS:HG3	1:w:532:LYS:O	2.21	0.40
1:z:490:LYS:HG3	1:z:532:LYS:O	2.21	0.40
1:0:555:GLU:H	1:0:555:GLU:CD	2.17	0.40
1:2:448:THR:C	1:2:459:ARG:O	2.64	0.40
1:2:490:LYS:HG3	1:2:532:LYS:O	2.21	0.40
1:5:448:THR:C	1:5:459:ARG:O	2.64	0.40
1:5:465:ALA:HB1	1:5:473:GLN:HG2	2.04	0.40
1:6:490:LYS:HG3	1:6:532:LYS:O	2.21	0.40
2:Bh:34:SER:O	2:Bh:34:SER:OG	2.34	0.40
2:Nh:87:ARG:HG3	2:Nh:103:LEU:HD22	2.03	0.40
2:Oh:53:TYR:CE1	2:Oh:120:VAL:HG22	2.55	0.40
2:Oh:118:ARG:NH2	2:Oh:141:ASP:OD2	2.49	0.40
2:Wh:57:TRP:NE1	2:Wh:101:LEU:HB2	2.35	0.40
2:ah:58:ILE:HD12	2:ah:143:TRP:CZ3	2.56	0.40
2:ch:53:TYR:CE1	2:ch:120:VAL:HG22	2.55	0.40
2:lh:58:ILE:HD12	2:lh:143:TRP:CZ3	2.56	0.40
2:sh:58:ILE:HD12	2:sh:143:TRP:CZ3	2.56	0.40
2:uh:53:TYR:CE1	2:uh:120:VAL:HG22	2.55	0.40
2:zh:57:TRP:NE1	2:zh:101:LEU:HB2	2.35	0.40
2:2h:58:ILE:HD12	2:2h:143:TRP:CZ3	2.56	0.40
3:El:102:ALA:HA	3:El:129:VAL:HG11	2.04	0.40
3:Kl:108:TYR:HE2	3:Kl:127:LEU:HD23	1.86	0.40
3:Ll:69:MET:O	3:Ll:77:PRO:CD	2.70	0.40
3:Ml:108:TYR:HE2	3:Ml:127:LEU:HD23	1.86	0.40
3:cl:69:MET:O	3:cl:77:PRO:CD	2.70	0.40
3:kl:69:MET:O	3:kl:77:PRO:CD	2.70	0.40
3:rl:69:MET:O	3:rl:77:PRO:CD	2.70	0.40
3:sl:30:GLU:O	3:sl:128:THR:OG1	2.32	0.40
3:sl:69:MET:O	3:sl:77:PRO:CD	2.70	0.40
3:yl:30:GLU:O	3:yl:128:THR:OG1	2.32	0.40
3:0l:69:MET:O	3:0l:77:PRO:CD	2.70	0.40
3:1l:85:SER:HB2	3:1l:96:THR:HB	2.03	0.40
3:4l:85:SER:HB2	3:4l:96:THR:HB	2.03	0.40

There are no symmetry-related clashes.

5.3 Torsion angles

5.3.1 Protein backbone

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	0	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	1	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	2	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	3	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	4	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	5	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	6	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	7	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	A	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	B	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	C	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	D	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	E	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	F	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	G	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	H	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	I	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	J	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	K	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	L	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	M	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	N	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	O	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	P	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	Q	516/533 (97%)	506 (98%)	10 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	R	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	S	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	T	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	U	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	V	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	W	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	X	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	Y	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	Z	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	a	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	b	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	c	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	d	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	e	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	f	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	g	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	h	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	i	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	j	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	k	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	l	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	m	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	n	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	o	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	p	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	q	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	r	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	s	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	t	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	u	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	v	516/533 (97%)	506 (98%)	10 (2%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	w	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	x	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	y	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
1	z	516/533 (97%)	506 (98%)	10 (2%)	0	100	100
2	0h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	1h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	2h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	3h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	4h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	5h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	6h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	7h	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Ah	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Bh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Ch	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Dh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Eh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Fh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Gh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Hh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Ih	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Jh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Kh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Lh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Mh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Nh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Oh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Ph	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Qh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Rh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Sh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	Th	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Uh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Vh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Wh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Xh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Yh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	Zh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	ah	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	bh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	ch	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	dh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	eh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	fh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	gh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	hh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	ih	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	jh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	kh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	lh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	mh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	nh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	oh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	ph	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	qh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	rh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	sh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	th	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	uh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	vh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	wh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	xh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	yh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
2	zh	130/153 (85%)	128 (98%)	1 (1%)	1 (1%)	16	28
3	0l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	1l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	2l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	3l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	4l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	5l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	6l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	7l	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Al	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Bl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Cl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Dl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	El	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Fl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Gl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Hl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Il	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Jl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Kl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Ll	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Ml	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Nl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Ol	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Pl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Ql	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Rl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Sl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Tl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Ul	107/130 (82%)	101 (94%)	6 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	Vl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Wl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Xl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Yl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	Zl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	al	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	bl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	cl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	dl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	el	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	fl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	gl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	hl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	il	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	jl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	kl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	ll	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	ml	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	nl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	ol	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	pl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	ql	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	rl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	sl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	tl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	ul	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	vl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	wl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	xl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	yl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100
3	zl	107/130 (82%)	101 (94%)	6 (6%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
All	All	45180/48960 (92%)	44100 (98%)	1020 (2%)	60 (0%)	49 66

All (60) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
2	Ah	108	ALA
2	Bh	108	ALA
2	Ch	108	ALA
2	Dh	108	ALA
2	Eh	108	ALA
2	Fh	108	ALA
2	Gh	108	ALA
2	Hh	108	ALA
2	Ih	108	ALA
2	Jh	108	ALA
2	Kh	108	ALA
2	Lh	108	ALA
2	Mh	108	ALA
2	Nh	108	ALA
2	Oh	108	ALA
2	Ph	108	ALA
2	Qh	108	ALA
2	Rh	108	ALA
2	Sh	108	ALA
2	Th	108	ALA
2	Uh	108	ALA
2	Vh	108	ALA
2	Wh	108	ALA
2	Xh	108	ALA
2	Yh	108	ALA
2	Zh	108	ALA
2	ah	108	ALA
2	bh	108	ALA
2	ch	108	ALA
2	dh	108	ALA
2	eh	108	ALA
2	fh	108	ALA
2	gh	108	ALA
2	hh	108	ALA
2	ih	108	ALA
2	jh	108	ALA
2	kh	108	ALA

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Mol	Chain	Res	Type
2	lh	108	ALA
2	mh	108	ALA
2	nh	108	ALA
2	oh	108	ALA
2	ph	108	ALA
2	qh	108	ALA
2	rh	108	ALA
2	sh	108	ALA
2	th	108	ALA
2	uh	108	ALA
2	vh	108	ALA
2	wh	108	ALA
2	xh	108	ALA
2	yh	108	ALA
2	zh	108	ALA
2	0h	108	ALA
2	1h	108	ALA
2	2h	108	ALA
2	3h	108	ALA
2	4h	108	ALA
2	5h	108	ALA
2	6h	108	ALA
2	7h	108	ALA

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	0	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	1	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	2	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	3	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	4	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	5	459/468 (98%)	451 (98%)	8 (2%)	53	75

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	6	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	7	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	A	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	B	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	C	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	D	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	E	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	F	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	G	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	H	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	I	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	J	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	K	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	L	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	M	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	N	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	O	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	P	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	Q	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	R	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	S	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	T	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	U	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	V	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	W	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	X	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	Y	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	Z	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	a	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	b	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	c	459/468 (98%)	451 (98%)	8 (2%)	53	75

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	d	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	e	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	f	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	g	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	h	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	i	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	j	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	k	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	l	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	m	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	n	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	o	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	p	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	q	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	r	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	s	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	t	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	u	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	v	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	w	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	x	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	y	459/468 (98%)	451 (98%)	8 (2%)	53	75
1	z	459/468 (98%)	451 (98%)	8 (2%)	53	75
2	0h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	1h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	2h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	3h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	4h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	5h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	6h	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	7h	114/131 (87%)	106 (93%)	8 (7%)	14	27

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	Ah	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Bh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Ch	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Dh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Eh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Fh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Gh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Hh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Ih	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Jh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Kh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Lh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Mh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Nh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Oh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Ph	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Qh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Rh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Sh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Th	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Uh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Vh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Wh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Xh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Yh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	Zh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	ah	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	bh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	ch	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	dh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	eh	114/131 (87%)	106 (93%)	8 (7%)	14	27

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	fh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	gh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	hh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	ih	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	jh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	kh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	lh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	mh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	nh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	oh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	ph	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	qh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	rh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	sh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	th	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	uh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	vh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	wh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	xh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	yh	114/131 (87%)	106 (93%)	8 (7%)	14	27
2	zh	114/131 (87%)	106 (93%)	8 (7%)	14	27
3	Ol	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	1l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	2l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	3l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	4l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	5l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	6l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	7l	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Al	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Bl	91/109 (84%)	83 (91%)	8 (9%)	9	18

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	Cl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Dl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	El	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Fl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Gl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Hl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Il	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Jl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Kl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Ll	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Ml	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Nl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Ol	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Pl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Ql	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Rl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Sl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Tl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Ul	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Vl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Wl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Xl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Yl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	Zl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	al	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	bl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	cl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	dl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	el	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	fl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	gl	91/109 (84%)	83 (91%)	8 (9%)	9	18

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	hl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	il	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	jl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	kl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	ll	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	ml	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	nl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	ol	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	pl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	ql	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	rl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	sl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	tl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	ul	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	vl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	wl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	xl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	yl	91/109 (84%)	83 (91%)	8 (9%)	9	18
3	zl	91/109 (84%)	83 (91%)	8 (9%)	9	18
All	All	39840/42480 (94%)	38400 (96%)	1440 (4%)	32	55

All (1440) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	230	CYS
1	A	238	ARG
1	A	311	LEU
1	A	331	THR
1	A	454	THR
1	A	455	THR
1	A	460	LEU
1	A	679	SER
1	B	230	CYS
1	B	238	ARG
1	B	311	LEU

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Mol	Chain	Res	Type
1	B	331	THR
1	B	454	THR
1	B	455	THR
1	B	460	LEU
1	B	679	SER
1	C	230	CYS
1	C	238	ARG
1	C	311	LEU
1	C	331	THR
1	C	454	THR
1	C	455	THR
1	C	460	LEU
1	C	679	SER
1	D	230	CYS
1	D	238	ARG
1	D	311	LEU
1	D	331	THR
1	D	454	THR
1	D	455	THR
1	D	460	LEU
1	D	679	SER
1	E	230	CYS
1	E	238	ARG
1	E	311	LEU
1	E	331	THR
1	E	454	THR
1	E	455	THR
1	E	460	LEU
1	E	679	SER
1	F	230	CYS
1	F	238	ARG
1	F	311	LEU
1	F	331	THR
1	F	454	THR
1	F	455	THR
1	F	460	LEU
1	F	679	SER
1	G	230	CYS
1	G	238	ARG
1	G	311	LEU
1	G	331	THR
1	G	454	THR

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Mol	Chain	Res	Type
1	G	455	THR
1	G	460	LEU
1	G	679	SER
1	H	230	CYS
1	H	238	ARG
1	H	311	LEU
1	H	331	THR
1	H	454	THR
1	H	455	THR
1	H	460	LEU
1	H	679	SER
1	I	230	CYS
1	I	238	ARG
1	I	311	LEU
1	I	331	THR
1	I	454	THR
1	I	455	THR
1	I	460	LEU
1	I	679	SER
1	J	230	CYS
1	J	238	ARG
1	J	311	LEU
1	J	331	THR
1	J	454	THR
1	J	455	THR
1	J	460	LEU
1	J	679	SER
1	K	230	CYS
1	K	238	ARG
1	K	311	LEU
1	K	331	THR
1	K	454	THR
1	K	455	THR
1	K	460	LEU
1	K	679	SER
1	L	230	CYS
1	L	238	ARG
1	L	311	LEU
1	L	331	THR
1	L	454	THR
1	L	455	THR
1	L	460	LEU

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Mol	Chain	Res	Type
1	L	679	SER
1	M	230	CYS
1	M	238	ARG
1	M	311	LEU
1	M	331	THR
1	M	454	THR
1	M	455	THR
1	M	460	LEU
1	M	679	SER
1	N	230	CYS
1	N	238	ARG
1	N	311	LEU
1	N	331	THR
1	N	454	THR
1	N	455	THR
1	N	460	LEU
1	N	679	SER
1	O	230	CYS
1	O	238	ARG
1	O	311	LEU
1	O	331	THR
1	O	454	THR
1	O	455	THR
1	O	460	LEU
1	O	679	SER
1	P	230	CYS
1	P	238	ARG
1	P	311	LEU
1	P	331	THR
1	P	454	THR
1	P	455	THR
1	P	460	LEU
1	P	679	SER
1	Q	230	CYS
1	Q	238	ARG
1	Q	311	LEU
1	Q	331	THR
1	Q	454	THR
1	Q	455	THR
1	Q	460	LEU
1	Q	679	SER
1	R	230	CYS

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Mol	Chain	Res	Type
1	R	238	ARG
1	R	311	LEU
1	R	331	THR
1	R	454	THR
1	R	455	THR
1	R	460	LEU
1	R	679	SER
1	S	230	CYS
1	S	238	ARG
1	S	311	LEU
1	S	331	THR
1	S	454	THR
1	S	455	THR
1	S	460	LEU
1	S	679	SER
1	T	230	CYS
1	T	238	ARG
1	T	311	LEU
1	T	331	THR
1	T	454	THR
1	T	455	THR
1	T	460	LEU
1	T	679	SER
1	U	230	CYS
1	U	238	ARG
1	U	311	LEU
1	U	331	THR
1	U	454	THR
1	U	455	THR
1	U	460	LEU
1	U	679	SER
1	V	230	CYS
1	V	238	ARG
1	V	311	LEU
1	V	331	THR
1	V	454	THR
1	V	455	THR
1	V	460	LEU
1	V	679	SER
1	W	230	CYS
1	W	238	ARG
1	W	311	LEU

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Mol	Chain	Res	Type
1	W	331	THR
1	W	454	THR
1	W	455	THR
1	W	460	LEU
1	W	679	SER
1	X	230	CYS
1	X	238	ARG
1	X	311	LEU
1	X	331	THR
1	X	454	THR
1	X	455	THR
1	X	460	LEU
1	X	679	SER
1	Y	230	CYS
1	Y	238	ARG
1	Y	311	LEU
1	Y	331	THR
1	Y	454	THR
1	Y	455	THR
1	Y	460	LEU
1	Y	679	SER
1	Z	230	CYS
1	Z	238	ARG
1	Z	311	LEU
1	Z	331	THR
1	Z	454	THR
1	Z	455	THR
1	Z	460	LEU
1	Z	679	SER
1	a	230	CYS
1	a	238	ARG
1	a	311	LEU
1	a	331	THR
1	a	454	THR
1	a	455	THR
1	a	460	LEU
1	a	679	SER
1	b	230	CYS
1	b	238	ARG
1	b	311	LEU
1	b	331	THR
1	b	454	THR

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Mol	Chain	Res	Type
1	b	455	THR
1	b	460	LEU
1	b	679	SER
1	c	230	CYS
1	c	238	ARG
1	c	311	LEU
1	c	331	THR
1	c	454	THR
1	c	455	THR
1	c	460	LEU
1	c	679	SER
1	d	230	CYS
1	d	238	ARG
1	d	311	LEU
1	d	331	THR
1	d	454	THR
1	d	455	THR
1	d	460	LEU
1	d	679	SER
1	e	230	CYS
1	e	238	ARG
1	e	311	LEU
1	e	331	THR
1	e	454	THR
1	e	455	THR
1	e	460	LEU
1	e	679	SER
1	f	230	CYS
1	f	238	ARG
1	f	311	LEU
1	f	331	THR
1	f	454	THR
1	f	455	THR
1	f	460	LEU
1	f	679	SER
1	g	230	CYS
1	g	238	ARG
1	g	311	LEU
1	g	331	THR
1	g	454	THR
1	g	455	THR
1	g	460	LEU

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Mol	Chain	Res	Type
1	g	679	SER
1	h	230	CYS
1	h	238	ARG
1	h	311	LEU
1	h	331	THR
1	h	454	THR
1	h	455	THR
1	h	460	LEU
1	h	679	SER
1	i	230	CYS
1	i	238	ARG
1	i	311	LEU
1	i	331	THR
1	i	454	THR
1	i	455	THR
1	i	460	LEU
1	i	679	SER
1	j	230	CYS
1	j	238	ARG
1	j	311	LEU
1	j	331	THR
1	j	454	THR
1	j	455	THR
1	j	460	LEU
1	j	679	SER
1	k	230	CYS
1	k	238	ARG
1	k	311	LEU
1	k	331	THR
1	k	454	THR
1	k	455	THR
1	k	460	LEU
1	k	679	SER
1	l	230	CYS
1	l	238	ARG
1	l	311	LEU
1	l	331	THR
1	l	454	THR
1	l	455	THR
1	l	460	LEU
1	l	679	SER
1	m	230	CYS

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Mol	Chain	Res	Type
1	m	238	ARG
1	m	311	LEU
1	m	331	THR
1	m	454	THR
1	m	455	THR
1	m	460	LEU
1	m	679	SER
1	n	230	CYS
1	n	238	ARG
1	n	311	LEU
1	n	331	THR
1	n	454	THR
1	n	455	THR
1	n	460	LEU
1	n	679	SER
1	o	230	CYS
1	o	238	ARG
1	o	311	LEU
1	o	331	THR
1	o	454	THR
1	o	455	THR
1	o	460	LEU
1	o	679	SER
1	p	230	CYS
1	p	238	ARG
1	p	311	LEU
1	p	331	THR
1	p	454	THR
1	p	455	THR
1	p	460	LEU
1	p	679	SER
1	q	230	CYS
1	q	238	ARG
1	q	311	LEU
1	q	331	THR
1	q	454	THR
1	q	455	THR
1	q	460	LEU
1	q	679	SER
1	r	230	CYS
1	r	238	ARG
1	r	311	LEU

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Mol	Chain	Res	Type
1	r	331	THR
1	r	454	THR
1	r	455	THR
1	r	460	LEU
1	r	679	SER
1	s	230	CYS
1	s	238	ARG
1	s	311	LEU
1	s	331	THR
1	s	454	THR
1	s	455	THR
1	s	460	LEU
1	s	679	SER
1	t	230	CYS
1	t	238	ARG
1	t	311	LEU
1	t	331	THR
1	t	454	THR
1	t	455	THR
1	t	460	LEU
1	t	679	SER
1	u	230	CYS
1	u	238	ARG
1	u	311	LEU
1	u	331	THR
1	u	454	THR
1	u	455	THR
1	u	460	LEU
1	u	679	SER
1	v	230	CYS
1	v	238	ARG
1	v	311	LEU
1	v	331	THR
1	v	454	THR
1	v	455	THR
1	v	460	LEU
1	v	679	SER
1	w	230	CYS
1	w	238	ARG
1	w	311	LEU
1	w	331	THR
1	w	454	THR

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Mol	Chain	Res	Type
1	w	455	THR
1	w	460	LEU
1	w	679	SER
1	x	230	CYS
1	x	238	ARG
1	x	311	LEU
1	x	331	THR
1	x	454	THR
1	x	455	THR
1	x	460	LEU
1	x	679	SER
1	y	230	CYS
1	y	238	ARG
1	y	311	LEU
1	y	331	THR
1	y	454	THR
1	y	455	THR
1	y	460	LEU
1	y	679	SER
1	z	230	CYS
1	z	238	ARG
1	z	311	LEU
1	z	331	THR
1	z	454	THR
1	z	455	THR
1	z	460	LEU
1	z	679	SER
1	0	230	CYS
1	0	238	ARG
1	0	311	LEU
1	0	331	THR
1	0	454	THR
1	0	455	THR
1	0	460	LEU
1	0	679	SER
1	1	230	CYS
1	1	238	ARG
1	1	311	LEU
1	1	331	THR
1	1	454	THR
1	1	455	THR
1	1	460	LEU

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Mol	Chain	Res	Type
1	1	679	SER
1	2	230	CYS
1	2	238	ARG
1	2	311	LEU
1	2	331	THR
1	2	454	THR
1	2	455	THR
1	2	460	LEU
1	2	679	SER
1	3	230	CYS
1	3	238	ARG
1	3	311	LEU
1	3	331	THR
1	3	454	THR
1	3	455	THR
1	3	460	LEU
1	3	679	SER
1	4	230	CYS
1	4	238	ARG
1	4	311	LEU
1	4	331	THR
1	4	454	THR
1	4	455	THR
1	4	460	LEU
1	4	679	SER
1	5	230	CYS
1	5	238	ARG
1	5	311	LEU
1	5	331	THR
1	5	454	THR
1	5	455	THR
1	5	460	LEU
1	5	679	SER
1	6	230	CYS
1	6	238	ARG
1	6	311	LEU
1	6	331	THR
1	6	454	THR
1	6	455	THR
1	6	460	LEU
1	6	679	SER
1	7	230	CYS

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Mol	Chain	Res	Type
1	7	238	ARG
1	7	311	LEU
1	7	331	THR
1	7	454	THR
1	7	455	THR
1	7	460	LEU
1	7	679	SER
2	Ah	25	GLU
2	Ah	30	LEU
2	Ah	31	VAL
2	Ah	37	LEU
2	Ah	39	LEU
2	Ah	48	ILE
2	Ah	93	ASP
2	Ah	137	VAL
2	Bh	25	GLU
2	Bh	30	LEU
2	Bh	31	VAL
2	Bh	37	LEU
2	Bh	39	LEU
2	Bh	48	ILE
2	Bh	93	ASP
2	Bh	137	VAL
2	Ch	25	GLU
2	Ch	30	LEU
2	Ch	31	VAL
2	Ch	37	LEU
2	Ch	39	LEU
2	Ch	48	ILE
2	Ch	93	ASP
2	Ch	137	VAL
2	Dh	25	GLU
2	Dh	30	LEU
2	Dh	31	VAL
2	Dh	37	LEU
2	Dh	39	LEU
2	Dh	48	ILE
2	Dh	93	ASP
2	Dh	137	VAL
2	Eh	25	GLU
2	Eh	30	LEU
2	Eh	31	VAL

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Mol	Chain	Res	Type
2	Eh	37	LEU
2	Eh	39	LEU
2	Eh	48	ILE
2	Eh	93	ASP
2	Eh	137	VAL
2	Fh	25	GLU
2	Fh	30	LEU
2	Fh	31	VAL
2	Fh	37	LEU
2	Fh	39	LEU
2	Fh	48	ILE
2	Fh	93	ASP
2	Fh	137	VAL
2	Gh	25	GLU
2	Gh	30	LEU
2	Gh	31	VAL
2	Gh	37	LEU
2	Gh	39	LEU
2	Gh	48	ILE
2	Gh	93	ASP
2	Gh	137	VAL
2	Hh	25	GLU
2	Hh	30	LEU
2	Hh	31	VAL
2	Hh	37	LEU
2	Hh	39	LEU
2	Hh	48	ILE
2	Hh	93	ASP
2	Hh	137	VAL
2	Ih	25	GLU
2	Ih	30	LEU
2	Ih	31	VAL
2	Ih	37	LEU
2	Ih	39	LEU
2	Ih	48	ILE
2	Ih	93	ASP
2	Ih	137	VAL
2	Jh	25	GLU
2	Jh	30	LEU
2	Jh	31	VAL
2	Jh	37	LEU
2	Jh	39	LEU

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Mol	Chain	Res	Type
2	Jh	48	ILE
2	Jh	93	ASP
2	Jh	137	VAL
2	Kh	25	GLU
2	Kh	30	LEU
2	Kh	31	VAL
2	Kh	37	LEU
2	Kh	39	LEU
2	Kh	48	ILE
2	Kh	93	ASP
2	Kh	137	VAL
2	Lh	25	GLU
2	Lh	30	LEU
2	Lh	31	VAL
2	Lh	37	LEU
2	Lh	39	LEU
2	Lh	48	ILE
2	Lh	93	ASP
2	Lh	137	VAL
2	Mh	25	GLU
2	Mh	30	LEU
2	Mh	31	VAL
2	Mh	37	LEU
2	Mh	39	LEU
2	Mh	48	ILE
2	Mh	93	ASP
2	Mh	137	VAL
2	Nh	25	GLU
2	Nh	30	LEU
2	Nh	31	VAL
2	Nh	37	LEU
2	Nh	39	LEU
2	Nh	48	ILE
2	Nh	93	ASP
2	Nh	137	VAL
2	Oh	25	GLU
2	Oh	30	LEU
2	Oh	31	VAL
2	Oh	37	LEU
2	Oh	39	LEU
2	Oh	48	ILE
2	Oh	93	ASP

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Mol	Chain	Res	Type
2	Oh	137	VAL
2	Ph	25	GLU
2	Ph	30	LEU
2	Ph	31	VAL
2	Ph	37	LEU
2	Ph	39	LEU
2	Ph	48	ILE
2	Ph	93	ASP
2	Ph	137	VAL
2	Qh	25	GLU
2	Qh	30	LEU
2	Qh	31	VAL
2	Qh	37	LEU
2	Qh	39	LEU
2	Qh	48	ILE
2	Qh	93	ASP
2	Qh	137	VAL
2	Rh	25	GLU
2	Rh	30	LEU
2	Rh	31	VAL
2	Rh	37	LEU
2	Rh	39	LEU
2	Rh	48	ILE
2	Rh	93	ASP
2	Rh	137	VAL
2	Sh	25	GLU
2	Sh	30	LEU
2	Sh	31	VAL
2	Sh	37	LEU
2	Sh	39	LEU
2	Sh	48	ILE
2	Sh	93	ASP
2	Sh	137	VAL
2	Th	25	GLU
2	Th	30	LEU
2	Th	31	VAL
2	Th	37	LEU
2	Th	39	LEU
2	Th	48	ILE
2	Th	93	ASP
2	Th	137	VAL
2	Uh	25	GLU

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Mol	Chain	Res	Type
2	Uh	30	LEU
2	Uh	31	VAL
2	Uh	37	LEU
2	Uh	39	LEU
2	Uh	48	ILE
2	Uh	93	ASP
2	Uh	137	VAL
2	Vh	25	GLU
2	Vh	30	LEU
2	Vh	31	VAL
2	Vh	37	LEU
2	Vh	39	LEU
2	Vh	48	ILE
2	Vh	93	ASP
2	Vh	137	VAL
2	Wh	25	GLU
2	Wh	30	LEU
2	Wh	31	VAL
2	Wh	37	LEU
2	Wh	39	LEU
2	Wh	48	ILE
2	Wh	93	ASP
2	Wh	137	VAL
2	Xh	25	GLU
2	Xh	30	LEU
2	Xh	31	VAL
2	Xh	37	LEU
2	Xh	39	LEU
2	Xh	48	ILE
2	Xh	93	ASP
2	Xh	137	VAL
2	Yh	25	GLU
2	Yh	30	LEU
2	Yh	31	VAL
2	Yh	37	LEU
2	Yh	39	LEU
2	Yh	48	ILE
2	Yh	93	ASP
2	Yh	137	VAL
2	Zh	25	GLU
2	Zh	30	LEU
2	Zh	31	VAL

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Mol	Chain	Res	Type
2	Zh	37	LEU
2	Zh	39	LEU
2	Zh	48	ILE
2	Zh	93	ASP
2	Zh	137	VAL
2	ah	25	GLU
2	ah	30	LEU
2	ah	31	VAL
2	ah	37	LEU
2	ah	39	LEU
2	ah	48	ILE
2	ah	93	ASP
2	ah	137	VAL
2	bh	25	GLU
2	bh	30	LEU
2	bh	31	VAL
2	bh	37	LEU
2	bh	39	LEU
2	bh	48	ILE
2	bh	93	ASP
2	bh	137	VAL
2	ch	25	GLU
2	ch	30	LEU
2	ch	31	VAL
2	ch	37	LEU
2	ch	39	LEU
2	ch	48	ILE
2	ch	93	ASP
2	ch	137	VAL
2	dh	25	GLU
2	dh	30	LEU
2	dh	31	VAL
2	dh	37	LEU
2	dh	39	LEU
2	dh	48	ILE
2	dh	93	ASP
2	dh	137	VAL
2	eh	25	GLU
2	eh	30	LEU
2	eh	31	VAL
2	eh	37	LEU
2	eh	39	LEU

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Mol	Chain	Res	Type
2	eh	48	ILE
2	eh	93	ASP
2	eh	137	VAL
2	fh	25	GLU
2	fh	30	LEU
2	fh	31	VAL
2	fh	37	LEU
2	fh	39	LEU
2	fh	48	ILE
2	fh	93	ASP
2	fh	137	VAL
2	gh	25	GLU
2	gh	30	LEU
2	gh	31	VAL
2	gh	37	LEU
2	gh	39	LEU
2	gh	48	ILE
2	gh	93	ASP
2	gh	137	VAL
2	hh	25	GLU
2	hh	30	LEU
2	hh	31	VAL
2	hh	37	LEU
2	hh	39	LEU
2	hh	48	ILE
2	hh	93	ASP
2	hh	137	VAL
2	ih	25	GLU
2	ih	30	LEU
2	ih	31	VAL
2	ih	37	LEU
2	ih	39	LEU
2	ih	48	ILE
2	ih	93	ASP
2	ih	137	VAL
2	jh	25	GLU
2	jh	30	LEU
2	jh	31	VAL
2	jh	37	LEU
2	jh	39	LEU
2	jh	48	ILE
2	jh	93	ASP

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Mol	Chain	Res	Type
2	jh	137	VAL
2	kh	25	GLU
2	kh	30	LEU
2	kh	31	VAL
2	kh	37	LEU
2	kh	39	LEU
2	kh	48	ILE
2	kh	93	ASP
2	kh	137	VAL
2	lh	25	GLU
2	lh	30	LEU
2	lh	31	VAL
2	lh	37	LEU
2	lh	39	LEU
2	lh	48	ILE
2	lh	93	ASP
2	lh	137	VAL
2	mh	25	GLU
2	mh	30	LEU
2	mh	31	VAL
2	mh	37	LEU
2	mh	39	LEU
2	mh	48	ILE
2	mh	93	ASP
2	mh	137	VAL
2	nh	25	GLU
2	nh	30	LEU
2	nh	31	VAL
2	nh	37	LEU
2	nh	39	LEU
2	nh	48	ILE
2	nh	93	ASP
2	nh	137	VAL
2	oh	25	GLU
2	oh	30	LEU
2	oh	31	VAL
2	oh	37	LEU
2	oh	39	LEU
2	oh	48	ILE
2	oh	93	ASP
2	oh	137	VAL
2	ph	25	GLU

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Mol	Chain	Res	Type
2	ph	30	LEU
2	ph	31	VAL
2	ph	37	LEU
2	ph	39	LEU
2	ph	48	ILE
2	ph	93	ASP
2	ph	137	VAL
2	qh	25	GLU
2	qh	30	LEU
2	qh	31	VAL
2	qh	37	LEU
2	qh	39	LEU
2	qh	48	ILE
2	qh	93	ASP
2	qh	137	VAL
2	rh	25	GLU
2	rh	30	LEU
2	rh	31	VAL
2	rh	37	LEU
2	rh	39	LEU
2	rh	48	ILE
2	rh	93	ASP
2	rh	137	VAL
2	sh	25	GLU
2	sh	30	LEU
2	sh	31	VAL
2	sh	37	LEU
2	sh	39	LEU
2	sh	48	ILE
2	sh	93	ASP
2	sh	137	VAL
2	th	25	GLU
2	th	30	LEU
2	th	31	VAL
2	th	37	LEU
2	th	39	LEU
2	th	48	ILE
2	th	93	ASP
2	th	137	VAL
2	uh	25	GLU
2	uh	30	LEU
2	uh	31	VAL

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Mol	Chain	Res	Type
2	uh	37	LEU
2	uh	39	LEU
2	uh	48	ILE
2	uh	93	ASP
2	uh	137	VAL
2	vh	25	GLU
2	vh	30	LEU
2	vh	31	VAL
2	vh	37	LEU
2	vh	39	LEU
2	vh	48	ILE
2	vh	93	ASP
2	vh	137	VAL
2	wh	25	GLU
2	wh	30	LEU
2	wh	31	VAL
2	wh	37	LEU
2	wh	39	LEU
2	wh	48	ILE
2	wh	93	ASP
2	wh	137	VAL
2	xh	25	GLU
2	xh	30	LEU
2	xh	31	VAL
2	xh	37	LEU
2	xh	39	LEU
2	xh	48	ILE
2	xh	93	ASP
2	xh	137	VAL
2	yh	25	GLU
2	yh	30	LEU
2	yh	31	VAL
2	yh	37	LEU
2	yh	39	LEU
2	yh	48	ILE
2	yh	93	ASP
2	yh	137	VAL
2	zh	25	GLU
2	zh	30	LEU
2	zh	31	VAL
2	zh	37	LEU
2	zh	39	LEU

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Mol	Chain	Res	Type
2	zh	48	ILE
2	zh	93	ASP
2	zh	137	VAL
2	0h	25	GLU
2	0h	30	LEU
2	0h	31	VAL
2	0h	37	LEU
2	0h	39	LEU
2	0h	48	ILE
2	0h	93	ASP
2	0h	137	VAL
2	1h	25	GLU
2	1h	30	LEU
2	1h	31	VAL
2	1h	37	LEU
2	1h	39	LEU
2	1h	48	ILE
2	1h	93	ASP
2	1h	137	VAL
2	2h	25	GLU
2	2h	30	LEU
2	2h	31	VAL
2	2h	37	LEU
2	2h	39	LEU
2	2h	48	ILE
2	2h	93	ASP
2	2h	137	VAL
2	3h	25	GLU
2	3h	30	LEU
2	3h	31	VAL
2	3h	37	LEU
2	3h	39	LEU
2	3h	48	ILE
2	3h	93	ASP
2	3h	137	VAL
2	4h	25	GLU
2	4h	30	LEU
2	4h	31	VAL
2	4h	37	LEU
2	4h	39	LEU
2	4h	48	ILE
2	4h	93	ASP

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Mol	Chain	Res	Type
2	4h	137	VAL
2	5h	25	GLU
2	5h	30	LEU
2	5h	31	VAL
2	5h	37	LEU
2	5h	39	LEU
2	5h	48	ILE
2	5h	93	ASP
2	5h	137	VAL
2	6h	25	GLU
2	6h	30	LEU
2	6h	31	VAL
2	6h	37	LEU
2	6h	39	LEU
2	6h	48	ILE
2	6h	93	ASP
2	6h	137	VAL
2	7h	25	GLU
2	7h	30	LEU
2	7h	31	VAL
2	7h	37	LEU
2	7h	39	LEU
2	7h	48	ILE
2	7h	93	ASP
2	7h	137	VAL
3	A1	43	THR
3	A1	53	ASN
3	A1	79	ARG
3	A1	104	ASP
3	A1	121	PHE
3	A1	125	THR
3	A1	126	LYS
3	A1	128	THR
3	B1	43	THR
3	B1	53	ASN
3	B1	79	ARG
3	B1	104	ASP
3	B1	121	PHE
3	B1	125	THR
3	B1	126	LYS
3	B1	128	THR
3	C1	43	THR

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Mol	Chain	Res	Type
3	C1	53	ASN
3	C1	79	ARG
3	C1	104	ASP
3	C1	121	PHE
3	C1	125	THR
3	C1	126	LYS
3	C1	128	THR
3	D1	43	THR
3	D1	53	ASN
3	D1	79	ARG
3	D1	104	ASP
3	D1	121	PHE
3	D1	125	THR
3	D1	126	LYS
3	D1	128	THR
3	E1	43	THR
3	E1	53	ASN
3	E1	79	ARG
3	E1	104	ASP
3	E1	121	PHE
3	E1	125	THR
3	E1	126	LYS
3	E1	128	THR
3	F1	43	THR
3	F1	53	ASN
3	F1	79	ARG
3	F1	104	ASP
3	F1	121	PHE
3	F1	125	THR
3	F1	126	LYS
3	F1	128	THR
3	G1	43	THR
3	G1	53	ASN
3	G1	79	ARG
3	G1	104	ASP
3	G1	121	PHE
3	G1	125	THR
3	G1	126	LYS
3	G1	128	THR
3	H1	43	THR
3	H1	53	ASN
3	H1	79	ARG

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Mol	Chain	Res	Type
3	Hl	104	ASP
3	Hl	121	PHE
3	Hl	125	THR
3	Hl	126	LYS
3	Hl	128	THR
3	Il	43	THR
3	Il	53	ASN
3	Il	79	ARG
3	Il	104	ASP
3	Il	121	PHE
3	Il	125	THR
3	Il	126	LYS
3	Il	128	THR
3	Jl	43	THR
3	Jl	53	ASN
3	Jl	79	ARG
3	Jl	104	ASP
3	Jl	121	PHE
3	Jl	125	THR
3	Jl	126	LYS
3	Jl	128	THR
3	Kl	43	THR
3	Kl	53	ASN
3	Kl	79	ARG
3	Kl	104	ASP
3	Kl	121	PHE
3	Kl	125	THR
3	Kl	126	LYS
3	Kl	128	THR
3	Ll	43	THR
3	Ll	53	ASN
3	Ll	79	ARG
3	Ll	104	ASP
3	Ll	121	PHE
3	Ll	125	THR
3	Ll	126	LYS
3	Ll	128	THR
3	Ml	43	THR
3	Ml	53	ASN
3	Ml	79	ARG
3	Ml	104	ASP
3	Ml	121	PHE

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Mol	Chain	Res	Type
3	Ml	125	THR
3	Ml	126	LYS
3	Ml	128	THR
3	Nl	43	THR
3	Nl	53	ASN
3	Nl	79	ARG
3	Nl	104	ASP
3	Nl	121	PHE
3	Nl	125	THR
3	Nl	126	LYS
3	Nl	128	THR
3	Ol	43	THR
3	Ol	53	ASN
3	Ol	79	ARG
3	Ol	104	ASP
3	Ol	121	PHE
3	Ol	125	THR
3	Ol	126	LYS
3	Ol	128	THR
3	Pl	43	THR
3	Pl	53	ASN
3	Pl	79	ARG
3	Pl	104	ASP
3	Pl	121	PHE
3	Pl	125	THR
3	Pl	126	LYS
3	Pl	128	THR
3	Ql	43	THR
3	Ql	53	ASN
3	Ql	79	ARG
3	Ql	104	ASP
3	Ql	121	PHE
3	Ql	125	THR
3	Ql	126	LYS
3	Ql	128	THR
3	Rl	43	THR
3	Rl	53	ASN
3	Rl	79	ARG
3	Rl	104	ASP
3	Rl	121	PHE
3	Rl	125	THR
3	Rl	126	LYS

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Mol	Chain	Res	Type
3	Rl	128	THR
3	Sl	43	THR
3	Sl	53	ASN
3	Sl	79	ARG
3	Sl	104	ASP
3	Sl	121	PHE
3	Sl	125	THR
3	Sl	126	LYS
3	Sl	128	THR
3	Tl	43	THR
3	Tl	53	ASN
3	Tl	79	ARG
3	Tl	104	ASP
3	Tl	121	PHE
3	Tl	125	THR
3	Tl	126	LYS
3	Tl	128	THR
3	Ul	43	THR
3	Ul	53	ASN
3	Ul	79	ARG
3	Ul	104	ASP
3	Ul	121	PHE
3	Ul	125	THR
3	Ul	126	LYS
3	Ul	128	THR
3	Vl	43	THR
3	Vl	53	ASN
3	Vl	79	ARG
3	Vl	104	ASP
3	Vl	121	PHE
3	Vl	125	THR
3	Vl	126	LYS
3	Vl	128	THR
3	Wl	43	THR
3	Wl	53	ASN
3	Wl	79	ARG
3	Wl	104	ASP
3	Wl	121	PHE
3	Wl	125	THR
3	Wl	126	LYS
3	Wl	128	THR
3	Xl	43	THR

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Mol	Chain	Res	Type
3	Xl	53	ASN
3	Xl	79	ARG
3	Xl	104	ASP
3	Xl	121	PHE
3	Xl	125	THR
3	Xl	126	LYS
3	Xl	128	THR
3	Yl	43	THR
3	Yl	53	ASN
3	Yl	79	ARG
3	Yl	104	ASP
3	Yl	121	PHE
3	Yl	125	THR
3	Yl	126	LYS
3	Yl	128	THR
3	Zl	43	THR
3	Zl	53	ASN
3	Zl	79	ARG
3	Zl	104	ASP
3	Zl	121	PHE
3	Zl	125	THR
3	Zl	126	LYS
3	Zl	128	THR
3	al	43	THR
3	al	53	ASN
3	al	79	ARG
3	al	104	ASP
3	al	121	PHE
3	al	125	THR
3	al	126	LYS
3	al	128	THR
3	bl	43	THR
3	bl	53	ASN
3	bl	79	ARG
3	bl	104	ASP
3	bl	121	PHE
3	bl	125	THR
3	bl	126	LYS
3	bl	128	THR
3	cl	43	THR
3	cl	53	ASN
3	cl	79	ARG

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Mol	Chain	Res	Type
3	cl	104	ASP
3	cl	121	PHE
3	cl	125	THR
3	cl	126	LYS
3	cl	128	THR
3	dl	43	THR
3	dl	53	ASN
3	dl	79	ARG
3	dl	104	ASP
3	dl	121	PHE
3	dl	125	THR
3	dl	126	LYS
3	dl	128	THR
3	el	43	THR
3	el	53	ASN
3	el	79	ARG
3	el	104	ASP
3	el	121	PHE
3	el	125	THR
3	el	126	LYS
3	el	128	THR
3	fl	43	THR
3	fl	53	ASN
3	fl	79	ARG
3	fl	104	ASP
3	fl	121	PHE
3	fl	125	THR
3	fl	126	LYS
3	fl	128	THR
3	gl	43	THR
3	gl	53	ASN
3	gl	79	ARG
3	gl	104	ASP
3	gl	121	PHE
3	gl	125	THR
3	gl	126	LYS
3	gl	128	THR
3	hl	43	THR
3	hl	53	ASN
3	hl	79	ARG
3	hl	104	ASP
3	hl	121	PHE

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Mol	Chain	Res	Type
3	hl	125	THR
3	hl	126	LYS
3	hl	128	THR
3	il	43	THR
3	il	53	ASN
3	il	79	ARG
3	il	104	ASP
3	il	121	PHE
3	il	125	THR
3	il	126	LYS
3	il	128	THR
3	jl	43	THR
3	jl	53	ASN
3	jl	79	ARG
3	jl	104	ASP
3	jl	121	PHE
3	jl	125	THR
3	jl	126	LYS
3	jl	128	THR
3	kl	43	THR
3	kl	53	ASN
3	kl	79	ARG
3	kl	104	ASP
3	kl	121	PHE
3	kl	125	THR
3	kl	126	LYS
3	kl	128	THR
3	ll	43	THR
3	ll	53	ASN
3	ll	79	ARG
3	ll	104	ASP
3	ll	121	PHE
3	ll	125	THR
3	ll	126	LYS
3	ll	128	THR
3	ml	43	THR
3	ml	53	ASN
3	ml	79	ARG
3	ml	104	ASP
3	ml	121	PHE
3	ml	125	THR
3	ml	126	LYS

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Mol	Chain	Res	Type
3	ml	128	THR
3	nl	43	THR
3	nl	53	ASN
3	nl	79	ARG
3	nl	104	ASP
3	nl	121	PHE
3	nl	125	THR
3	nl	126	LYS
3	nl	128	THR
3	ol	43	THR
3	ol	53	ASN
3	ol	79	ARG
3	ol	104	ASP
3	ol	121	PHE
3	ol	125	THR
3	ol	126	LYS
3	ol	128	THR
3	pl	43	THR
3	pl	53	ASN
3	pl	79	ARG
3	pl	104	ASP
3	pl	121	PHE
3	pl	125	THR
3	pl	126	LYS
3	pl	128	THR
3	ql	43	THR
3	ql	53	ASN
3	ql	79	ARG
3	ql	104	ASP
3	ql	121	PHE
3	ql	125	THR
3	ql	126	LYS
3	ql	128	THR
3	rl	43	THR
3	rl	53	ASN
3	rl	79	ARG
3	rl	104	ASP
3	rl	121	PHE
3	rl	125	THR
3	rl	126	LYS
3	rl	128	THR
3	sl	43	THR

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Mol	Chain	Res	Type
3	sl	53	ASN
3	sl	79	ARG
3	sl	104	ASP
3	sl	121	PHE
3	sl	125	THR
3	sl	126	LYS
3	sl	128	THR
3	tl	43	THR
3	tl	53	ASN
3	tl	79	ARG
3	tl	104	ASP
3	tl	121	PHE
3	tl	125	THR
3	tl	126	LYS
3	tl	128	THR
3	ul	43	THR
3	ul	53	ASN
3	ul	79	ARG
3	ul	104	ASP
3	ul	121	PHE
3	ul	125	THR
3	ul	126	LYS
3	ul	128	THR
3	vl	43	THR
3	vl	53	ASN
3	vl	79	ARG
3	vl	104	ASP
3	vl	121	PHE
3	vl	125	THR
3	vl	126	LYS
3	vl	128	THR
3	wl	43	THR
3	wl	53	ASN
3	wl	79	ARG
3	wl	104	ASP
3	wl	121	PHE
3	wl	125	THR
3	wl	126	LYS
3	wl	128	THR
3	xl	43	THR
3	xl	53	ASN
3	xl	79	ARG

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Mol	Chain	Res	Type
3	xl	104	ASP
3	xl	121	PHE
3	xl	125	THR
3	xl	126	LYS
3	xl	128	THR
3	yl	43	THR
3	yl	53	ASN
3	yl	79	ARG
3	yl	104	ASP
3	yl	121	PHE
3	yl	125	THR
3	yl	126	LYS
3	yl	128	THR
3	zl	43	THR
3	zl	53	ASN
3	zl	79	ARG
3	zl	104	ASP
3	zl	121	PHE
3	zl	125	THR
3	zl	126	LYS
3	zl	128	THR
3	0l	43	THR
3	0l	53	ASN
3	0l	79	ARG
3	0l	104	ASP
3	0l	121	PHE
3	0l	125	THR
3	0l	126	LYS
3	0l	128	THR
3	1l	43	THR
3	1l	53	ASN
3	1l	79	ARG
3	1l	104	ASP
3	1l	121	PHE
3	1l	125	THR
3	1l	126	LYS
3	1l	128	THR
3	2l	43	THR
3	2l	53	ASN
3	2l	79	ARG
3	2l	104	ASP
3	2l	121	PHE

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Mol	Chain	Res	Type
3	2l	125	THR
3	2l	126	LYS
3	2l	128	THR
3	3l	43	THR
3	3l	53	ASN
3	3l	79	ARG
3	3l	104	ASP
3	3l	121	PHE
3	3l	125	THR
3	3l	126	LYS
3	3l	128	THR
3	4l	43	THR
3	4l	53	ASN
3	4l	79	ARG
3	4l	104	ASP
3	4l	121	PHE
3	4l	125	THR
3	4l	126	LYS
3	4l	128	THR
3	5l	43	THR
3	5l	53	ASN
3	5l	79	ARG
3	5l	104	ASP
3	5l	121	PHE
3	5l	125	THR
3	5l	126	LYS
3	5l	128	THR
3	6l	43	THR
3	6l	53	ASN
3	6l	79	ARG
3	6l	104	ASP
3	6l	121	PHE
3	6l	125	THR
3	6l	126	LYS
3	6l	128	THR
3	7l	43	THR
3	7l	53	ASN
3	7l	79	ARG
3	7l	104	ASP
3	7l	121	PHE
3	7l	125	THR
3	7l	126	LYS

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Mol	Chain	Res	Type
3	7l	128	THR

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (1231) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	223	ASN
1	A	253	ASN
1	A	288	HIS
1	A	302	ASN
1	A	341	GLN
1	A	374	GLN
1	A	426	HIS
1	A	485	GLN
1	A	496	ASN
1	A	509	HIS
1	A	518	ASN
1	A	551	ASN
1	A	596	ASN
1	A	614	GLN
1	A	629	HIS
1	A	645	GLN
1	A	677	GLN
1	A	699	GLN
1	A	709	ASN
1	A	717	ASN
1	B	223	ASN
1	B	288	HIS
1	B	302	ASN
1	B	341	GLN
1	B	426	HIS
1	B	485	GLN
1	B	496	ASN
1	B	509	HIS
1	B	518	ASN
1	B	551	ASN
1	B	596	ASN
1	B	614	GLN
1	B	629	HIS
1	B	645	GLN
1	B	699	GLN
1	B	709	ASN
1	B	717	ASN

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Mol	Chain	Res	Type
1	C	223	ASN
1	C	253	ASN
1	C	288	HIS
1	C	302	ASN
1	C	341	GLN
1	C	374	GLN
1	C	426	HIS
1	C	485	GLN
1	C	496	ASN
1	C	509	HIS
1	C	518	ASN
1	C	551	ASN
1	C	596	ASN
1	C	614	GLN
1	C	629	HIS
1	C	645	GLN
1	C	699	GLN
1	C	709	ASN
1	C	717	ASN
1	D	223	ASN
1	D	253	ASN
1	D	270	ASN
1	D	288	HIS
1	D	302	ASN
1	D	341	GLN
1	D	374	GLN
1	D	426	HIS
1	D	485	GLN
1	D	496	ASN
1	D	509	HIS
1	D	518	ASN
1	D	551	ASN
1	D	596	ASN
1	D	614	GLN
1	D	629	HIS
1	D	645	GLN
1	D	699	GLN
1	D	709	ASN
1	D	717	ASN
1	E	223	ASN
1	E	270	ASN
1	E	288	HIS

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Mol	Chain	Res	Type
1	E	302	ASN
1	E	341	GLN
1	E	426	HIS
1	E	485	GLN
1	E	496	ASN
1	E	509	HIS
1	E	518	ASN
1	E	551	ASN
1	E	596	ASN
1	E	614	GLN
1	E	629	HIS
1	E	645	GLN
1	E	699	GLN
1	E	709	ASN
1	E	717	ASN
1	F	223	ASN
1	F	253	ASN
1	F	288	HIS
1	F	302	ASN
1	F	341	GLN
1	F	374	GLN
1	F	426	HIS
1	F	485	GLN
1	F	496	ASN
1	F	509	HIS
1	F	518	ASN
1	F	551	ASN
1	F	596	ASN
1	F	614	GLN
1	F	629	HIS
1	F	645	GLN
1	F	699	GLN
1	F	709	ASN
1	F	717	ASN
1	G	223	ASN
1	G	270	ASN
1	G	288	HIS
1	G	302	ASN
1	G	341	GLN
1	G	426	HIS
1	G	485	GLN
1	G	496	ASN

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Mol	Chain	Res	Type
1	G	509	HIS
1	G	518	ASN
1	G	551	ASN
1	G	596	ASN
1	G	614	GLN
1	G	629	HIS
1	G	645	GLN
1	G	699	GLN
1	G	709	ASN
1	G	717	ASN
1	H	223	ASN
1	H	270	ASN
1	H	288	HIS
1	H	302	ASN
1	H	341	GLN
1	H	426	HIS
1	H	485	GLN
1	H	496	ASN
1	H	509	HIS
1	H	518	ASN
1	H	551	ASN
1	H	596	ASN
1	H	614	GLN
1	H	629	HIS
1	H	645	GLN
1	H	699	GLN
1	H	709	ASN
1	H	717	ASN
1	I	223	ASN
1	I	253	ASN
1	I	270	ASN
1	I	288	HIS
1	I	302	ASN
1	I	341	GLN
1	I	374	GLN
1	I	426	HIS
1	I	485	GLN
1	I	496	ASN
1	I	509	HIS
1	I	518	ASN
1	I	545	GLN
1	I	551	ASN

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Mol	Chain	Res	Type
1	I	596	ASN
1	I	614	GLN
1	I	629	HIS
1	I	645	GLN
1	I	699	GLN
1	I	709	ASN
1	I	717	ASN
1	J	223	ASN
1	J	253	ASN
1	J	288	HIS
1	J	302	ASN
1	J	341	GLN
1	J	374	GLN
1	J	426	HIS
1	J	485	GLN
1	J	496	ASN
1	J	509	HIS
1	J	518	ASN
1	J	551	ASN
1	J	596	ASN
1	J	614	GLN
1	J	629	HIS
1	J	645	GLN
1	J	699	GLN
1	J	709	ASN
1	J	717	ASN
1	K	223	ASN
1	K	253	ASN
1	K	270	ASN
1	K	288	HIS
1	K	302	ASN
1	K	341	GLN
1	K	374	GLN
1	K	426	HIS
1	K	485	GLN
1	K	496	ASN
1	K	509	HIS
1	K	518	ASN
1	K	551	ASN
1	K	596	ASN
1	K	614	GLN
1	K	629	HIS

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Mol	Chain	Res	Type
1	K	645	GLN
1	K	699	GLN
1	K	709	ASN
1	K	717	ASN
1	L	223	ASN
1	L	270	ASN
1	L	288	HIS
1	L	302	ASN
1	L	341	GLN
1	L	426	HIS
1	L	485	GLN
1	L	496	ASN
1	L	509	HIS
1	L	518	ASN
1	L	551	ASN
1	L	596	ASN
1	L	614	GLN
1	L	629	HIS
1	L	645	GLN
1	L	699	GLN
1	L	709	ASN
1	L	717	ASN
1	M	223	ASN
1	M	253	ASN
1	M	270	ASN
1	M	288	HIS
1	M	302	ASN
1	M	341	GLN
1	M	374	GLN
1	M	426	HIS
1	M	485	GLN
1	M	496	ASN
1	M	509	HIS
1	M	518	ASN
1	M	551	ASN
1	M	596	ASN
1	M	614	GLN
1	M	629	HIS
1	M	645	GLN
1	M	699	GLN
1	M	709	ASN
1	M	717	ASN

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Mol	Chain	Res	Type
1	N	223	ASN
1	N	253	ASN
1	N	270	ASN
1	N	288	HIS
1	N	302	ASN
1	N	341	GLN
1	N	374	GLN
1	N	426	HIS
1	N	485	GLN
1	N	496	ASN
1	N	509	HIS
1	N	518	ASN
1	N	551	ASN
1	N	596	ASN
1	N	614	GLN
1	N	629	HIS
1	N	645	GLN
1	N	699	GLN
1	N	709	ASN
1	N	717	ASN
1	O	223	ASN
1	O	253	ASN
1	O	270	ASN
1	O	288	HIS
1	O	302	ASN
1	O	341	GLN
1	O	374	GLN
1	O	426	HIS
1	O	485	GLN
1	O	496	ASN
1	O	509	HIS
1	O	518	ASN
1	O	551	ASN
1	O	596	ASN
1	O	614	GLN
1	O	629	HIS
1	O	645	GLN
1	O	699	GLN
1	O	709	ASN
1	O	717	ASN
1	P	223	ASN
1	P	270	ASN

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Mol	Chain	Res	Type
1	P	288	HIS
1	P	302	ASN
1	P	341	GLN
1	P	426	HIS
1	P	485	GLN
1	P	496	ASN
1	P	509	HIS
1	P	518	ASN
1	P	551	ASN
1	P	596	ASN
1	P	614	GLN
1	P	629	HIS
1	P	645	GLN
1	P	699	GLN
1	P	709	ASN
1	P	717	ASN
1	Q	223	ASN
1	Q	253	ASN
1	Q	288	HIS
1	Q	302	ASN
1	Q	341	GLN
1	Q	374	GLN
1	Q	426	HIS
1	Q	485	GLN
1	Q	496	ASN
1	Q	509	HIS
1	Q	518	ASN
1	Q	551	ASN
1	Q	596	ASN
1	Q	614	GLN
1	Q	629	HIS
1	Q	645	GLN
1	Q	699	GLN
1	Q	709	ASN
1	Q	717	ASN
1	R	223	ASN
1	R	253	ASN
1	R	270	ASN
1	R	288	HIS
1	R	302	ASN
1	R	341	GLN
1	R	374	GLN

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Mol	Chain	Res	Type
1	R	426	HIS
1	R	485	GLN
1	R	496	ASN
1	R	509	HIS
1	R	518	ASN
1	R	551	ASN
1	R	596	ASN
1	R	614	GLN
1	R	629	HIS
1	R	645	GLN
1	R	699	GLN
1	R	709	ASN
1	R	717	ASN
1	S	223	ASN
1	S	270	ASN
1	S	288	HIS
1	S	302	ASN
1	S	341	GLN
1	S	426	HIS
1	S	485	GLN
1	S	496	ASN
1	S	509	HIS
1	S	518	ASN
1	S	551	ASN
1	S	596	ASN
1	S	614	GLN
1	S	629	HIS
1	S	645	GLN
1	S	699	GLN
1	S	709	ASN
1	S	717	ASN
1	T	223	ASN
1	T	253	ASN
1	T	288	HIS
1	T	302	ASN
1	T	341	GLN
1	T	374	GLN
1	T	426	HIS
1	T	485	GLN
1	T	496	ASN
1	T	509	HIS
1	T	518	ASN

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Mol	Chain	Res	Type
1	T	551	ASN
1	T	596	ASN
1	T	614	GLN
1	T	629	HIS
1	T	645	GLN
1	T	699	GLN
1	T	709	ASN
1	T	717	ASN
1	U	223	ASN
1	U	253	ASN
1	U	270	ASN
1	U	288	HIS
1	U	302	ASN
1	U	341	GLN
1	U	374	GLN
1	U	426	HIS
1	U	485	GLN
1	U	496	ASN
1	U	509	HIS
1	U	518	ASN
1	U	551	ASN
1	U	596	ASN
1	U	614	GLN
1	U	629	HIS
1	U	641	HIS
1	U	645	GLN
1	U	699	GLN
1	U	709	ASN
1	U	717	ASN
1	V	223	ASN
1	V	253	ASN
1	V	288	HIS
1	V	302	ASN
1	V	341	GLN
1	V	374	GLN
1	V	426	HIS
1	V	485	GLN
1	V	496	ASN
1	V	509	HIS
1	V	518	ASN
1	V	551	ASN
1	V	596	ASN

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Mol	Chain	Res	Type
1	V	614	GLN
1	V	629	HIS
1	V	645	GLN
1	V	699	GLN
1	V	709	ASN
1	V	717	ASN
1	W	223	ASN
1	W	253	ASN
1	W	270	ASN
1	W	288	HIS
1	W	302	ASN
1	W	341	GLN
1	W	374	GLN
1	W	426	HIS
1	W	485	GLN
1	W	496	ASN
1	W	509	HIS
1	W	518	ASN
1	W	545	GLN
1	W	551	ASN
1	W	596	ASN
1	W	614	GLN
1	W	629	HIS
1	W	645	GLN
1	W	699	GLN
1	W	709	ASN
1	W	717	ASN
1	X	223	ASN
1	X	253	ASN
1	X	288	HIS
1	X	302	ASN
1	X	341	GLN
1	X	374	GLN
1	X	426	HIS
1	X	485	GLN
1	X	496	ASN
1	X	509	HIS
1	X	518	ASN
1	X	551	ASN
1	X	596	ASN
1	X	614	GLN
1	X	629	HIS

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Mol	Chain	Res	Type
1	X	645	GLN
1	X	699	GLN
1	X	709	ASN
1	X	717	ASN
1	Y	223	ASN
1	Y	270	ASN
1	Y	288	HIS
1	Y	302	ASN
1	Y	341	GLN
1	Y	426	HIS
1	Y	485	GLN
1	Y	496	ASN
1	Y	509	HIS
1	Y	518	ASN
1	Y	551	ASN
1	Y	596	ASN
1	Y	614	GLN
1	Y	629	HIS
1	Y	645	GLN
1	Y	699	GLN
1	Y	709	ASN
1	Y	717	ASN
1	Z	223	ASN
1	Z	253	ASN
1	Z	288	HIS
1	Z	302	ASN
1	Z	341	GLN
1	Z	374	GLN
1	Z	426	HIS
1	Z	485	GLN
1	Z	496	ASN
1	Z	509	HIS
1	Z	518	ASN
1	Z	551	ASN
1	Z	596	ASN
1	Z	614	GLN
1	Z	629	HIS
1	Z	645	GLN
1	Z	699	GLN
1	Z	709	ASN
1	Z	717	ASN
1	a	223	ASN

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Mol	Chain	Res	Type
1	a	288	HIS
1	a	302	ASN
1	a	341	GLN
1	a	426	HIS
1	a	485	GLN
1	a	496	ASN
1	a	509	HIS
1	a	518	ASN
1	a	545	GLN
1	a	551	ASN
1	a	596	ASN
1	a	614	GLN
1	a	629	HIS
1	a	645	GLN
1	a	699	GLN
1	a	709	ASN
1	a	717	ASN
1	b	223	ASN
1	b	253	ASN
1	b	288	HIS
1	b	302	ASN
1	b	341	GLN
1	b	374	GLN
1	b	426	HIS
1	b	485	GLN
1	b	496	ASN
1	b	509	HIS
1	b	518	ASN
1	b	551	ASN
1	b	596	ASN
1	b	614	GLN
1	b	629	HIS
1	b	645	GLN
1	b	699	GLN
1	b	709	ASN
1	b	717	ASN
1	c	223	ASN
1	c	253	ASN
1	c	288	HIS
1	c	302	ASN
1	c	341	GLN
1	c	374	GLN

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Mol	Chain	Res	Type
1	c	426	HIS
1	c	485	GLN
1	c	496	ASN
1	c	509	HIS
1	c	518	ASN
1	c	551	ASN
1	c	596	ASN
1	c	614	GLN
1	c	629	HIS
1	c	645	GLN
1	c	699	GLN
1	c	709	ASN
1	c	717	ASN
1	d	223	ASN
1	d	253	ASN
1	d	288	HIS
1	d	302	ASN
1	d	341	GLN
1	d	374	GLN
1	d	426	HIS
1	d	485	GLN
1	d	496	ASN
1	d	509	HIS
1	d	518	ASN
1	d	551	ASN
1	d	596	ASN
1	d	614	GLN
1	d	629	HIS
1	d	645	GLN
1	d	699	GLN
1	d	709	ASN
1	d	717	ASN
1	e	223	ASN
1	e	253	ASN
1	e	270	ASN
1	e	288	HIS
1	e	302	ASN
1	e	341	GLN
1	e	374	GLN
1	e	426	HIS
1	e	485	GLN
1	e	496	ASN

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Mol	Chain	Res	Type
1	e	509	HIS
1	e	518	ASN
1	e	551	ASN
1	e	596	ASN
1	e	614	GLN
1	e	629	HIS
1	e	645	GLN
1	e	677	GLN
1	e	699	GLN
1	e	709	ASN
1	e	717	ASN
1	f	223	ASN
1	f	253	ASN
1	f	288	HIS
1	f	302	ASN
1	f	341	GLN
1	f	374	GLN
1	f	426	HIS
1	f	485	GLN
1	f	496	ASN
1	f	509	HIS
1	f	518	ASN
1	f	551	ASN
1	f	596	ASN
1	f	614	GLN
1	f	629	HIS
1	f	645	GLN
1	f	699	GLN
1	f	709	ASN
1	f	717	ASN
1	g	223	ASN
1	g	253	ASN
1	g	288	HIS
1	g	302	ASN
1	g	341	GLN
1	g	374	GLN
1	g	426	HIS
1	g	485	GLN
1	g	496	ASN
1	g	509	HIS
1	g	518	ASN
1	g	551	ASN

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Mol	Chain	Res	Type
1	g	596	ASN
1	g	614	GLN
1	g	629	HIS
1	g	645	GLN
1	g	699	GLN
1	g	709	ASN
1	g	717	ASN
1	h	223	ASN
1	h	288	HIS
1	h	302	ASN
1	h	341	GLN
1	h	426	HIS
1	h	485	GLN
1	h	496	ASN
1	h	509	HIS
1	h	518	ASN
1	h	551	ASN
1	h	596	ASN
1	h	614	GLN
1	h	629	HIS
1	h	641	HIS
1	h	645	GLN
1	h	699	GLN
1	h	709	ASN
1	h	717	ASN
1	i	223	ASN
1	i	253	ASN
1	i	288	HIS
1	i	302	ASN
1	i	341	GLN
1	i	374	GLN
1	i	426	HIS
1	i	485	GLN
1	i	496	ASN
1	i	509	HIS
1	i	518	ASN
1	i	551	ASN
1	i	596	ASN
1	i	614	GLN
1	i	629	HIS
1	i	645	GLN
1	i	699	GLN

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Mol	Chain	Res	Type
1	i	709	ASN
1	i	717	ASN
1	j	223	ASN
1	j	253	ASN
1	j	288	HIS
1	j	302	ASN
1	j	341	GLN
1	j	374	GLN
1	j	426	HIS
1	j	485	GLN
1	j	496	ASN
1	j	509	HIS
1	j	518	ASN
1	j	551	ASN
1	j	596	ASN
1	j	614	GLN
1	j	629	HIS
1	j	641	HIS
1	j	645	GLN
1	j	699	GLN
1	j	709	ASN
1	j	717	ASN
1	k	223	ASN
1	k	253	ASN
1	k	270	ASN
1	k	288	HIS
1	k	302	ASN
1	k	341	GLN
1	k	374	GLN
1	k	426	HIS
1	k	485	GLN
1	k	496	ASN
1	k	509	HIS
1	k	518	ASN
1	k	551	ASN
1	k	596	ASN
1	k	614	GLN
1	k	629	HIS
1	k	641	HIS
1	k	645	GLN
1	k	699	GLN
1	k	709	ASN

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Mol	Chain	Res	Type
1	k	717	ASN
1	l	223	ASN
1	l	253	ASN
1	l	288	HIS
1	l	302	ASN
1	l	341	GLN
1	l	374	GLN
1	l	426	HIS
1	l	485	GLN
1	l	496	ASN
1	l	509	HIS
1	l	518	ASN
1	l	551	ASN
1	l	596	ASN
1	l	614	GLN
1	l	629	HIS
1	l	645	GLN
1	l	699	GLN
1	l	705	ASN
1	l	709	ASN
1	l	717	ASN
1	m	223	ASN
1	m	253	ASN
1	m	270	ASN
1	m	288	HIS
1	m	302	ASN
1	m	341	GLN
1	m	374	GLN
1	m	426	HIS
1	m	485	GLN
1	m	496	ASN
1	m	509	HIS
1	m	518	ASN
1	m	551	ASN
1	m	596	ASN
1	m	614	GLN
1	m	629	HIS
1	m	645	GLN
1	m	699	GLN
1	m	709	ASN
1	m	717	ASN
1	n	223	ASN

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Mol	Chain	Res	Type
1	n	253	ASN
1	n	288	HIS
1	n	302	ASN
1	n	341	GLN
1	n	374	GLN
1	n	426	HIS
1	n	485	GLN
1	n	496	ASN
1	n	509	HIS
1	n	518	ASN
1	n	551	ASN
1	n	596	ASN
1	n	614	GLN
1	n	629	HIS
1	n	645	GLN
1	n	699	GLN
1	n	709	ASN
1	n	717	ASN
1	o	223	ASN
1	o	253	ASN
1	o	288	HIS
1	o	302	ASN
1	o	341	GLN
1	o	374	GLN
1	o	426	HIS
1	o	485	GLN
1	o	496	ASN
1	o	509	HIS
1	o	518	ASN
1	o	551	ASN
1	o	596	ASN
1	o	614	GLN
1	o	629	HIS
1	o	645	GLN
1	o	699	GLN
1	o	709	ASN
1	o	717	ASN
1	p	223	ASN
1	p	253	ASN
1	p	288	HIS
1	p	302	ASN
1	p	341	GLN

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Mol	Chain	Res	Type
1	p	374	GLN
1	p	426	HIS
1	p	485	GLN
1	p	496	ASN
1	p	509	HIS
1	p	518	ASN
1	p	551	ASN
1	p	596	ASN
1	p	614	GLN
1	p	629	HIS
1	p	645	GLN
1	p	699	GLN
1	p	709	ASN
1	p	717	ASN
1	q	223	ASN
1	q	253	ASN
1	q	288	HIS
1	q	302	ASN
1	q	341	GLN
1	q	374	GLN
1	q	426	HIS
1	q	485	GLN
1	q	496	ASN
1	q	509	HIS
1	q	518	ASN
1	q	551	ASN
1	q	596	ASN
1	q	614	GLN
1	q	629	HIS
1	q	641	HIS
1	q	645	GLN
1	q	699	GLN
1	q	709	ASN
1	q	717	ASN
1	r	223	ASN
1	r	253	ASN
1	r	288	HIS
1	r	302	ASN
1	r	341	GLN
1	r	374	GLN
1	r	426	HIS
1	r	485	GLN

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Mol	Chain	Res	Type
1	r	496	ASN
1	r	509	HIS
1	r	518	ASN
1	r	551	ASN
1	r	596	ASN
1	r	614	GLN
1	r	629	HIS
1	r	641	HIS
1	r	645	GLN
1	r	699	GLN
1	r	709	ASN
1	r	717	ASN
1	s	223	ASN
1	s	270	ASN
1	s	288	HIS
1	s	302	ASN
1	s	341	GLN
1	s	426	HIS
1	s	485	GLN
1	s	496	ASN
1	s	509	HIS
1	s	518	ASN
1	s	551	ASN
1	s	596	ASN
1	s	614	GLN
1	s	629	HIS
1	s	641	HIS
1	s	645	GLN
1	s	699	GLN
1	s	709	ASN
1	s	717	ASN
1	t	223	ASN
1	t	253	ASN
1	t	288	HIS
1	t	302	ASN
1	t	341	GLN
1	t	374	GLN
1	t	426	HIS
1	t	485	GLN
1	t	496	ASN
1	t	509	HIS
1	t	518	ASN

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Mol	Chain	Res	Type
1	t	551	ASN
1	t	596	ASN
1	t	614	GLN
1	t	629	HIS
1	t	645	GLN
1	t	699	GLN
1	t	709	ASN
1	t	717	ASN
1	u	223	ASN
1	u	270	ASN
1	u	288	HIS
1	u	302	ASN
1	u	341	GLN
1	u	426	HIS
1	u	485	GLN
1	u	496	ASN
1	u	509	HIS
1	u	518	ASN
1	u	551	ASN
1	u	596	ASN
1	u	614	GLN
1	u	629	HIS
1	u	641	HIS
1	u	645	GLN
1	u	699	GLN
1	u	709	ASN
1	u	717	ASN
1	v	223	ASN
1	v	253	ASN
1	v	270	ASN
1	v	288	HIS
1	v	302	ASN
1	v	341	GLN
1	v	374	GLN
1	v	426	HIS
1	v	485	GLN
1	v	496	ASN
1	v	509	HIS
1	v	518	ASN
1	v	551	ASN
1	v	596	ASN
1	v	614	GLN

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Mol	Chain	Res	Type
1	v	629	HIS
1	v	645	GLN
1	v	699	GLN
1	v	709	ASN
1	v	717	ASN
1	w	223	ASN
1	w	253	ASN
1	w	288	HIS
1	w	302	ASN
1	w	341	GLN
1	w	374	GLN
1	w	426	HIS
1	w	485	GLN
1	w	496	ASN
1	w	509	HIS
1	w	518	ASN
1	w	551	ASN
1	w	596	ASN
1	w	614	GLN
1	w	629	HIS
1	w	645	GLN
1	w	699	GLN
1	w	709	ASN
1	w	717	ASN
1	x	223	ASN
1	x	253	ASN
1	x	288	HIS
1	x	302	ASN
1	x	341	GLN
1	x	374	GLN
1	x	426	HIS
1	x	485	GLN
1	x	496	ASN
1	x	509	HIS
1	x	518	ASN
1	x	551	ASN
1	x	596	ASN
1	x	614	GLN
1	x	629	HIS
1	x	645	GLN
1	x	699	GLN
1	x	709	ASN

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Mol	Chain	Res	Type
1	x	717	ASN
1	y	223	ASN
1	y	253	ASN
1	y	270	ASN
1	y	288	HIS
1	y	302	ASN
1	y	341	GLN
1	y	374	GLN
1	y	426	HIS
1	y	485	GLN
1	y	496	ASN
1	y	509	HIS
1	y	518	ASN
1	y	551	ASN
1	y	596	ASN
1	y	614	GLN
1	y	629	HIS
1	y	645	GLN
1	y	699	GLN
1	y	709	ASN
1	y	717	ASN
1	z	223	ASN
1	z	288	HIS
1	z	302	ASN
1	z	341	GLN
1	z	426	HIS
1	z	485	GLN
1	z	496	ASN
1	z	509	HIS
1	z	518	ASN
1	z	551	ASN
1	z	596	ASN
1	z	614	GLN
1	z	629	HIS
1	z	645	GLN
1	z	699	GLN
1	z	709	ASN
1	z	717	ASN
1	0	223	ASN
1	0	253	ASN
1	0	270	ASN
1	0	288	HIS

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Mol	Chain	Res	Type
1	0	302	ASN
1	0	341	GLN
1	0	374	GLN
1	0	426	HIS
1	0	485	GLN
1	0	496	ASN
1	0	509	HIS
1	0	518	ASN
1	0	551	ASN
1	0	596	ASN
1	0	614	GLN
1	0	629	HIS
1	0	645	GLN
1	0	699	GLN
1	0	709	ASN
1	0	717	ASN
1	1	223	ASN
1	1	253	ASN
1	1	288	HIS
1	1	302	ASN
1	1	341	GLN
1	1	374	GLN
1	1	426	HIS
1	1	485	GLN
1	1	496	ASN
1	1	509	HIS
1	1	518	ASN
1	1	551	ASN
1	1	596	ASN
1	1	614	GLN
1	1	629	HIS
1	1	645	GLN
1	1	699	GLN
1	1	709	ASN
1	1	717	ASN
1	2	223	ASN
1	2	253	ASN
1	2	288	HIS
1	2	302	ASN
1	2	341	GLN
1	2	374	GLN
1	2	426	HIS

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Mol	Chain	Res	Type
1	2	485	GLN
1	2	496	ASN
1	2	509	HIS
1	2	518	ASN
1	2	551	ASN
1	2	596	ASN
1	2	614	GLN
1	2	629	HIS
1	2	645	GLN
1	2	699	GLN
1	2	705	ASN
1	2	709	ASN
1	2	717	ASN
1	3	223	ASN
1	3	253	ASN
1	3	288	HIS
1	3	302	ASN
1	3	341	GLN
1	3	374	GLN
1	3	426	HIS
1	3	485	GLN
1	3	496	ASN
1	3	509	HIS
1	3	518	ASN
1	3	551	ASN
1	3	596	ASN
1	3	614	GLN
1	3	629	HIS
1	3	645	GLN
1	3	699	GLN
1	3	709	ASN
1	3	717	ASN
1	4	223	ASN
1	4	253	ASN
1	4	288	HIS
1	4	302	ASN
1	4	341	GLN
1	4	374	GLN
1	4	426	HIS
1	4	485	GLN
1	4	496	ASN
1	4	509	HIS

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Mol	Chain	Res	Type
1	4	518	ASN
1	4	551	ASN
1	4	596	ASN
1	4	614	GLN
1	4	629	HIS
1	4	645	GLN
1	4	699	GLN
1	4	709	ASN
1	4	717	ASN
1	5	223	ASN
1	5	270	ASN
1	5	288	HIS
1	5	302	ASN
1	5	341	GLN
1	5	426	HIS
1	5	485	GLN
1	5	496	ASN
1	5	509	HIS
1	5	518	ASN
1	5	551	ASN
1	5	596	ASN
1	5	614	GLN
1	5	629	HIS
1	5	645	GLN
1	5	677	GLN
1	5	699	GLN
1	5	709	ASN
1	5	717	ASN
1	6	223	ASN
1	6	253	ASN
1	6	288	HIS
1	6	302	ASN
1	6	341	GLN
1	6	374	GLN
1	6	426	HIS
1	6	485	GLN
1	6	496	ASN
1	6	509	HIS
1	6	518	ASN
1	6	551	ASN
1	6	596	ASN
1	6	614	GLN

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Mol	Chain	Res	Type
1	6	629	HIS
1	6	645	GLN
1	6	699	GLN
1	6	709	ASN
1	6	717	ASN
1	7	223	ASN
1	7	288	HIS
1	7	302	ASN
1	7	341	GLN
1	7	426	HIS
1	7	485	GLN
1	7	496	ASN
1	7	509	HIS
1	7	518	ASN
1	7	551	ASN
1	7	596	ASN
1	7	614	GLN
1	7	629	HIS
1	7	645	GLN
1	7	699	GLN
1	7	709	ASN
1	7	717	ASN
3	A1	53	ASN
3	A1	91	ASN
3	B1	53	ASN
3	C1	53	ASN
3	D1	53	ASN
3	D1	91	ASN
3	E1	53	ASN
3	E1	91	ASN
3	F1	53	ASN
3	G1	53	ASN
3	H1	53	ASN
3	I1	53	ASN
3	J1	53	ASN
3	K1	53	ASN
3	L1	53	ASN
3	L1	91	ASN
3	M1	53	ASN
3	N1	53	ASN
3	O1	53	ASN
3	P1	53	ASN

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Mol	Chain	Res	Type
3	P1	91	ASN
3	Q1	53	ASN
3	R1	53	ASN
3	S1	53	ASN
3	S1	91	ASN
3	T1	53	ASN
3	U1	53	ASN
3	U1	91	ASN
3	V1	53	ASN
3	W1	53	ASN
3	W1	91	ASN
3	X1	53	ASN
3	Y1	53	ASN
3	Z1	53	ASN
3	a1	53	ASN
3	b1	53	ASN
3	b1	91	ASN
3	c1	53	ASN
3	c1	91	ASN
3	d1	53	ASN
3	e1	53	ASN
3	e1	91	ASN
3	f1	53	ASN
3	g1	53	ASN
3	h1	53	ASN
3	h1	91	ASN
3	i1	53	ASN
3	j1	53	ASN
3	k1	53	ASN
3	k1	91	ASN
3	l1	53	ASN
3	l1	91	ASN
3	m1	53	ASN
3	n1	53	ASN
3	o1	53	ASN
3	p1	53	ASN
3	p1	91	ASN
3	q1	53	ASN
3	r1	53	ASN
3	s1	53	ASN
3	s1	91	ASN
3	t1	53	ASN

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Mol	Chain	Res	Type
3	ul	53	ASN
3	vl	53	ASN
3	wl	53	ASN
3	wl	91	ASN
3	xl	53	ASN
3	yl	53	ASN
3	yl	91	ASN
3	zl	53	ASN
3	0l	53	ASN
3	1l	53	ASN
3	2l	53	ASN
3	2l	91	ASN
3	3l	53	ASN
3	4l	53	ASN
3	5l	53	ASN
3	5l	91	ASN
3	6l	53	ASN
3	7l	53	ASN

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 [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues

There are no chain breaks in this entry.

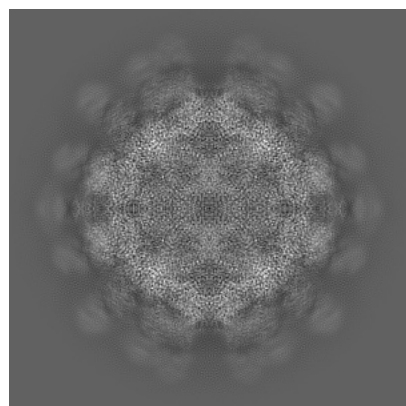
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-76771. These allow visual inspection of the internal detail of the map and identification of artifacts.

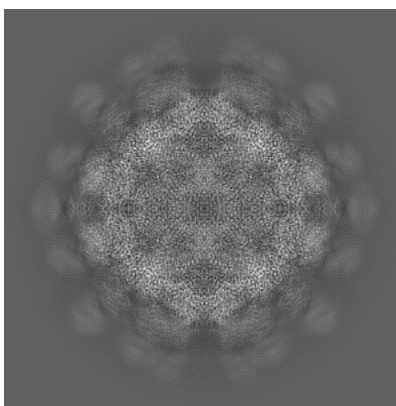
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

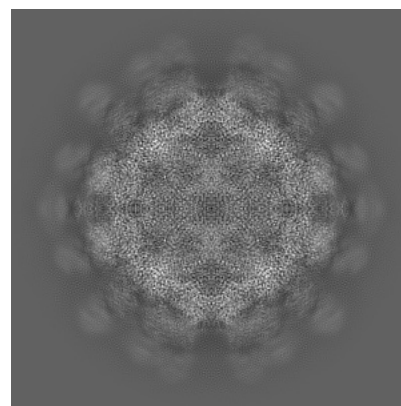
6.1.1 Primary map



X

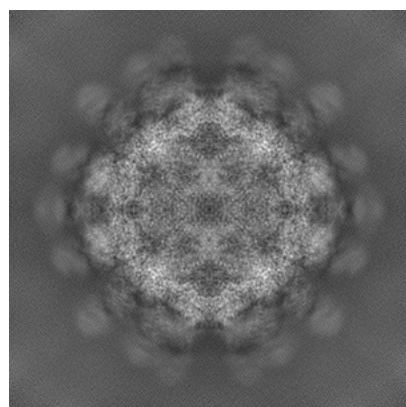


Y

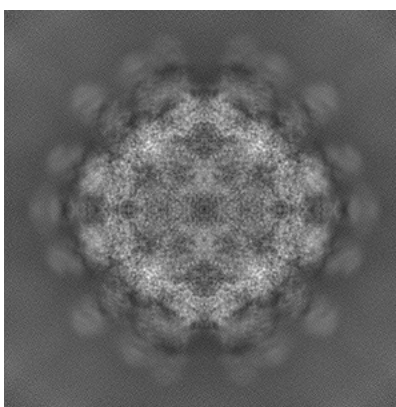


Z

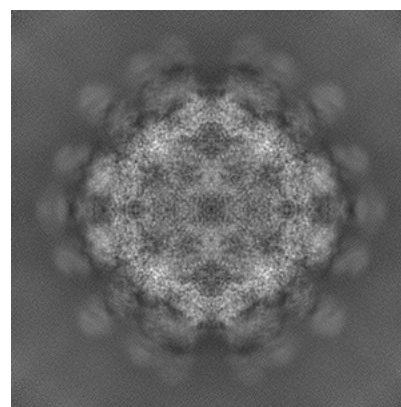
6.1.2 Raw map



X



Y

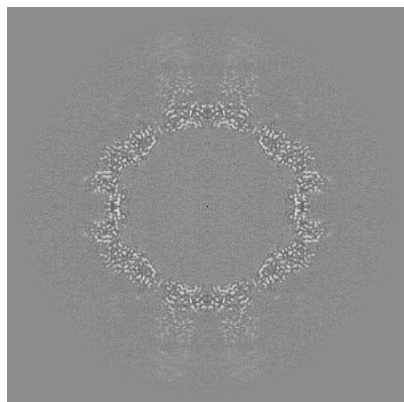


Z

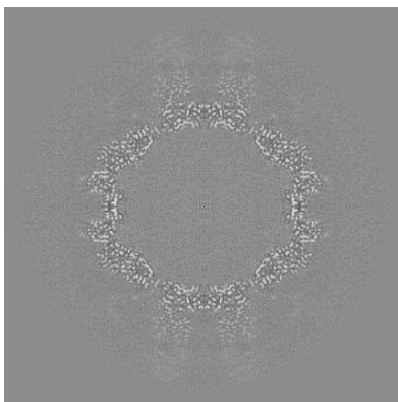
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

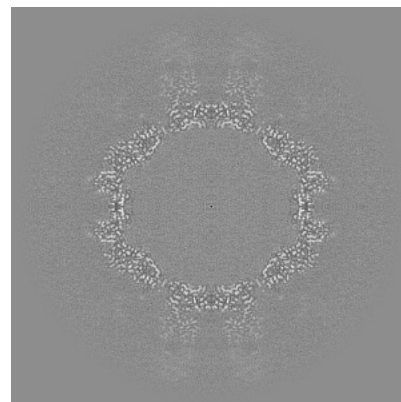
6.2.1 Primary map



X Index: 300

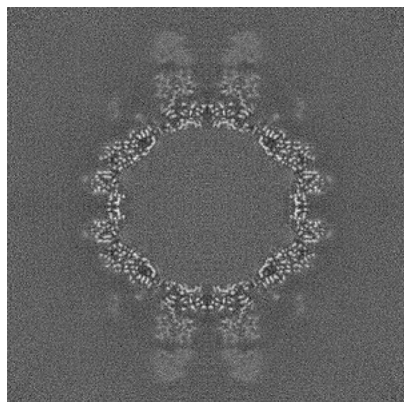


Y Index: 300

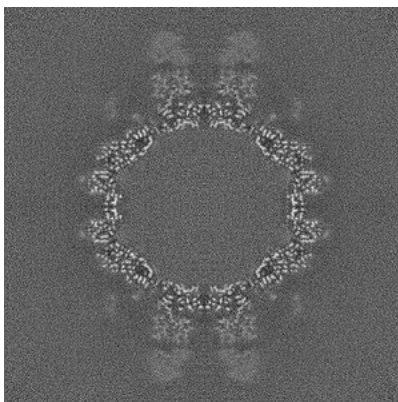


Z Index: 300

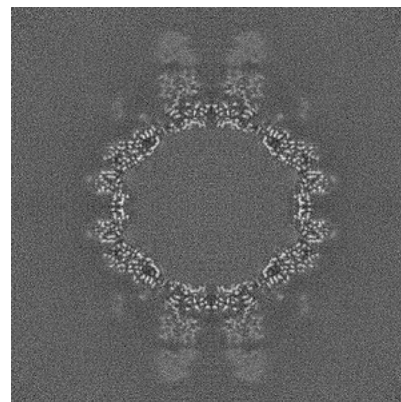
6.2.2 Raw map



X Index: 300



Y Index: 300

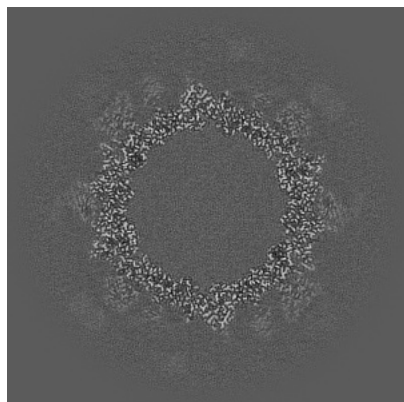


Z Index: 300

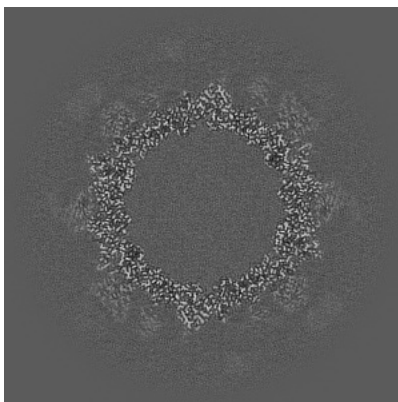
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

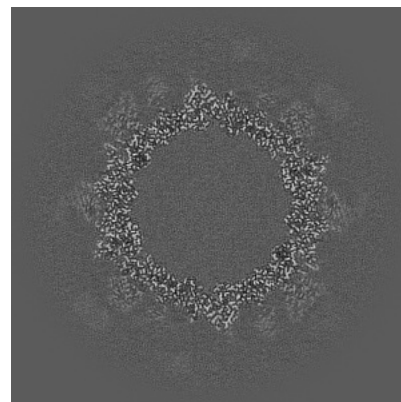
6.3.1 Primary map



X Index: 271

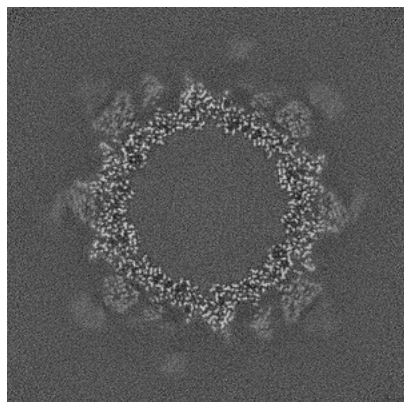


Y Index: 329

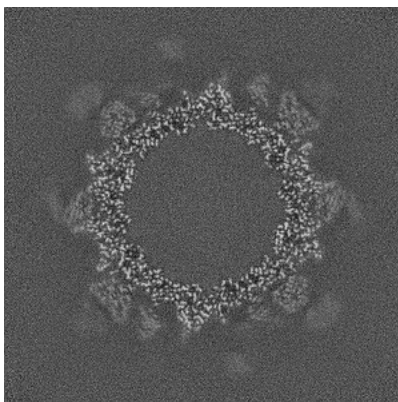


Z Index: 271

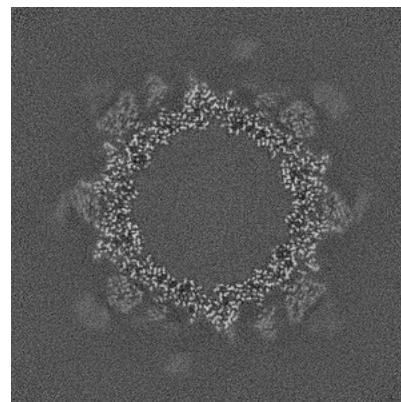
6.3.2 Raw map



X Index: 271



Y Index: 329

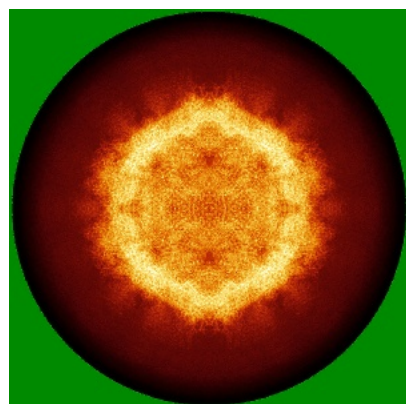


Z Index: 271

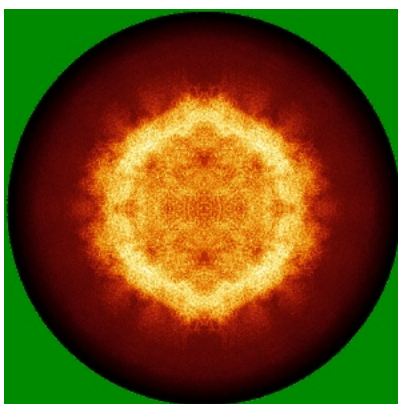
The images above show the largest variance slices of the map in three orthogonal directions.

6.4 Orthogonal standard-deviation projections (False-color) [i](#)

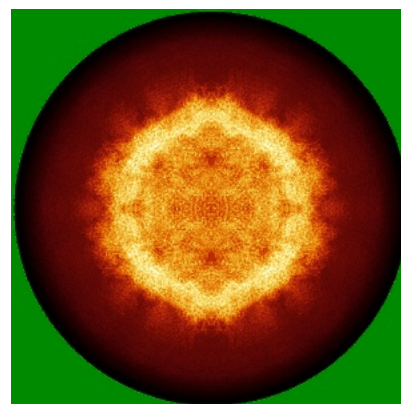
6.4.1 Primary map



X

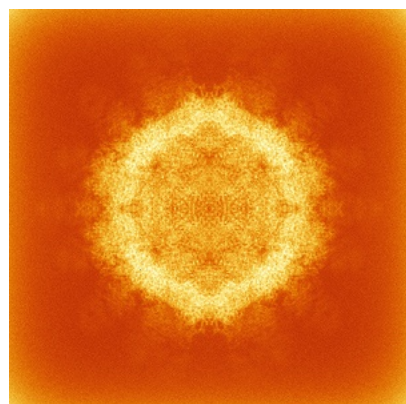


Y

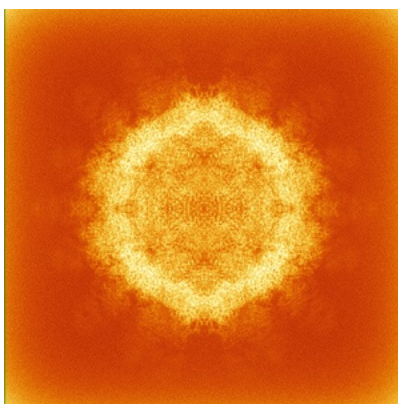


Z

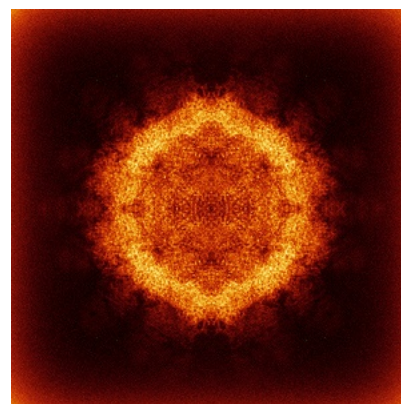
6.4.2 Raw map



X



Y

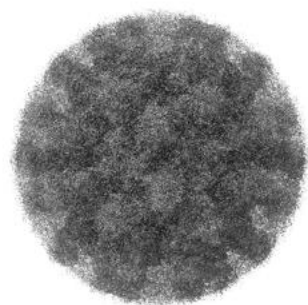


Z

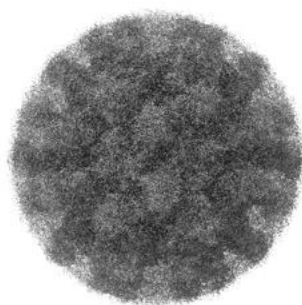
The images above show the map standard deviation projections with false color in three orthogonal directions. Minimum values are shown in green, max in blue, and dark to light orange shades represent small to large values respectively.

6.5 Orthogonal surface views [i](#)

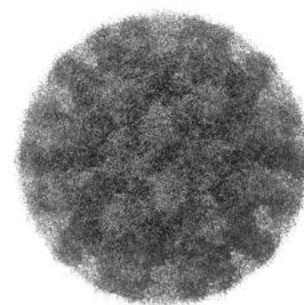
6.5.1 Primary map



X



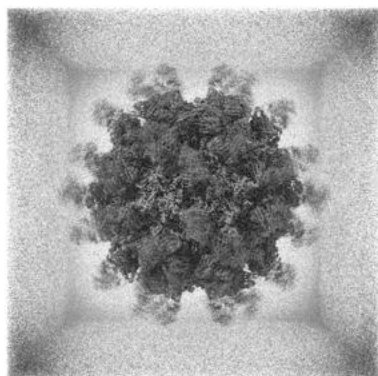
Y



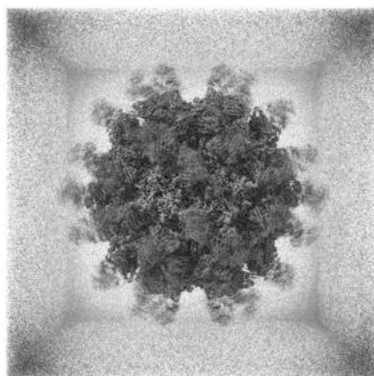
Z

The images above show the 3D surface view of the map at the recommended contour level 1.5. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

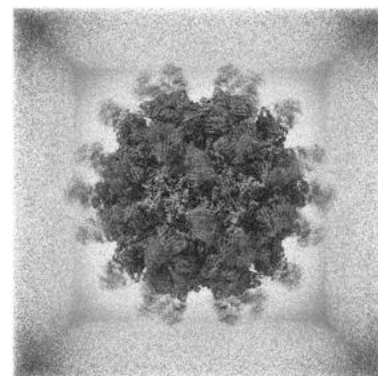
6.5.2 Raw map



X



Y



Z

These images show the 3D surface of the raw map. The raw map's contour level was selected so that its surface encloses the same volume as the primary map does at its recommended contour level.

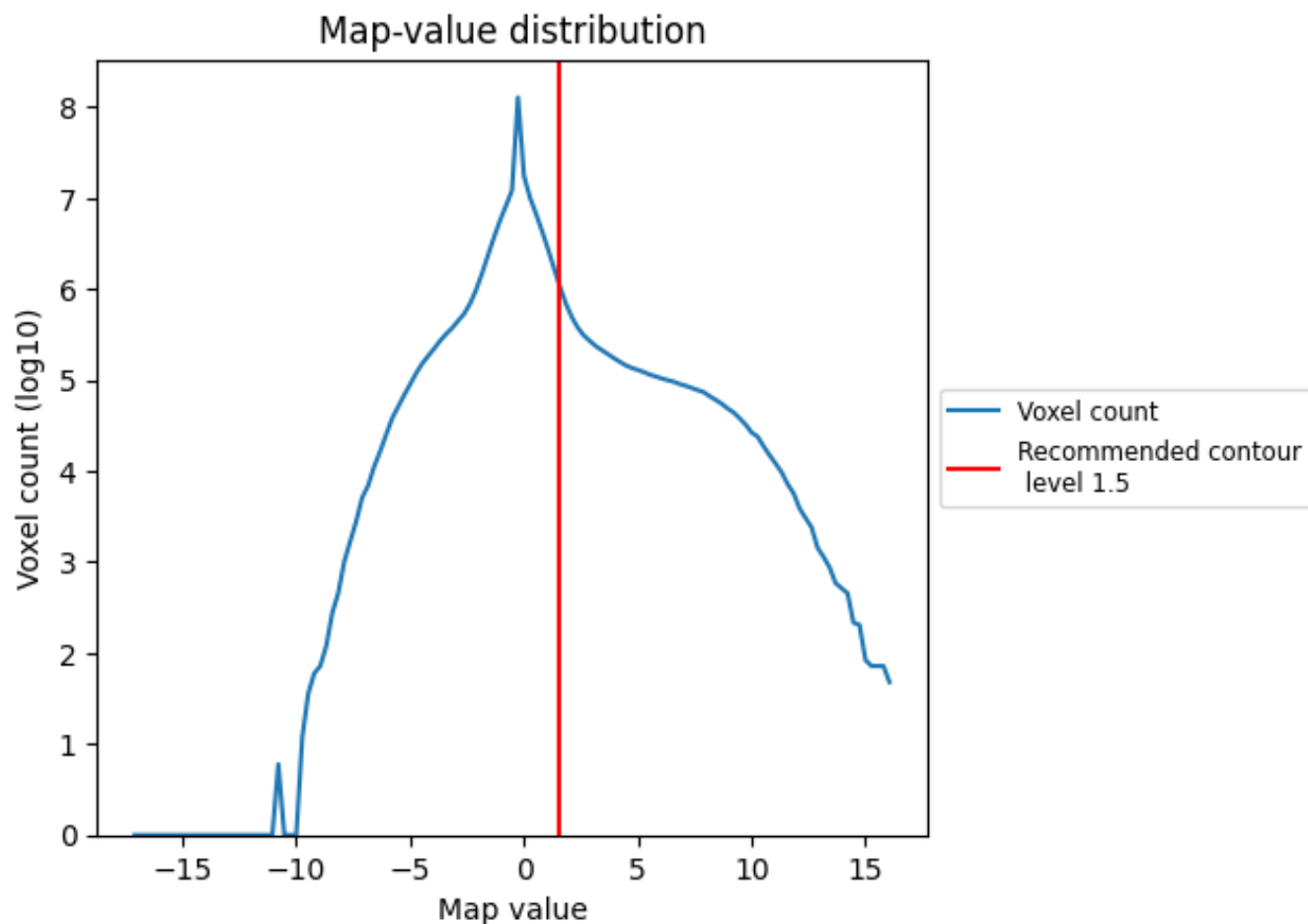
6.6 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

7 Map analysis [i](#)

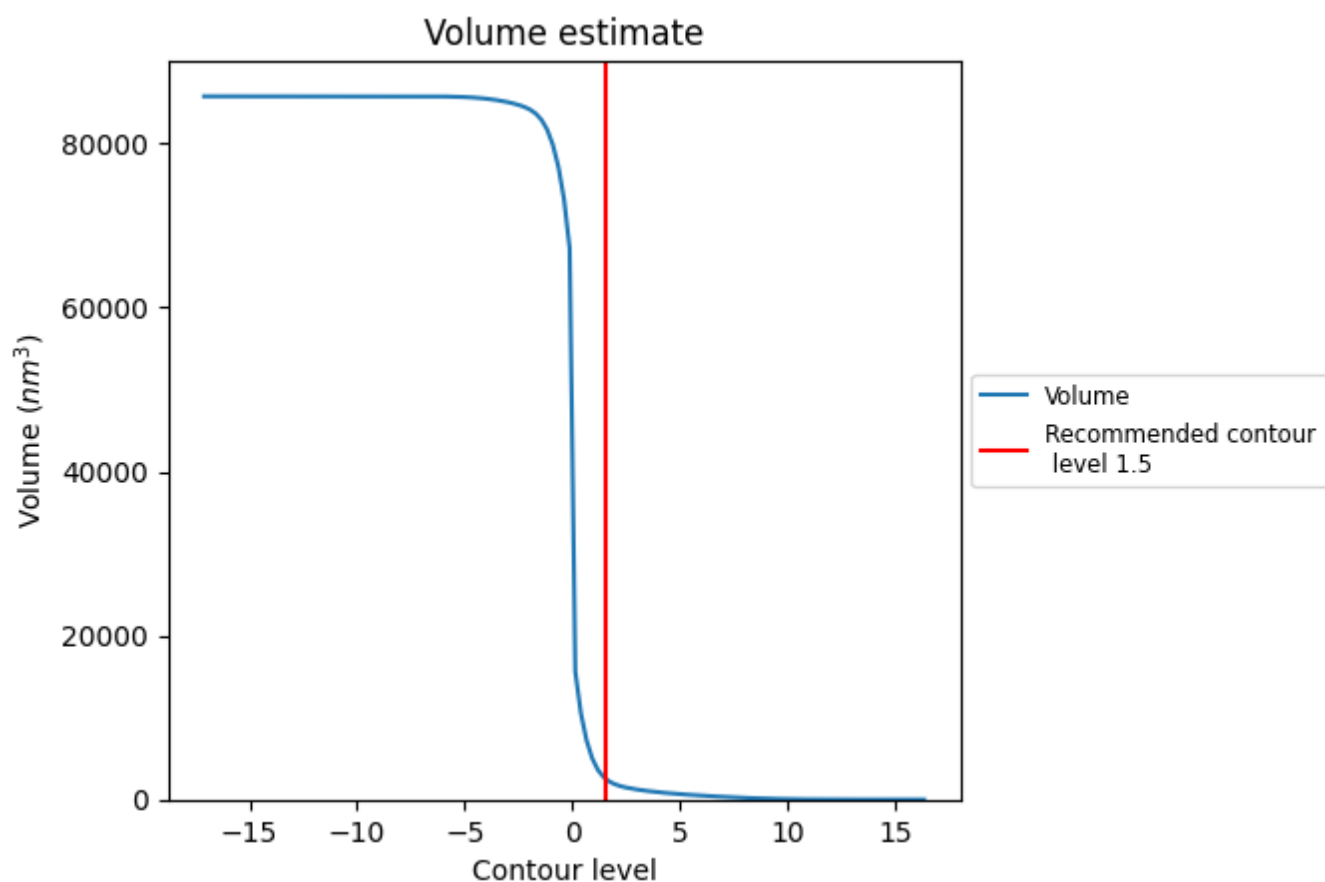
This section contains the results of statistical analysis of the map.

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.

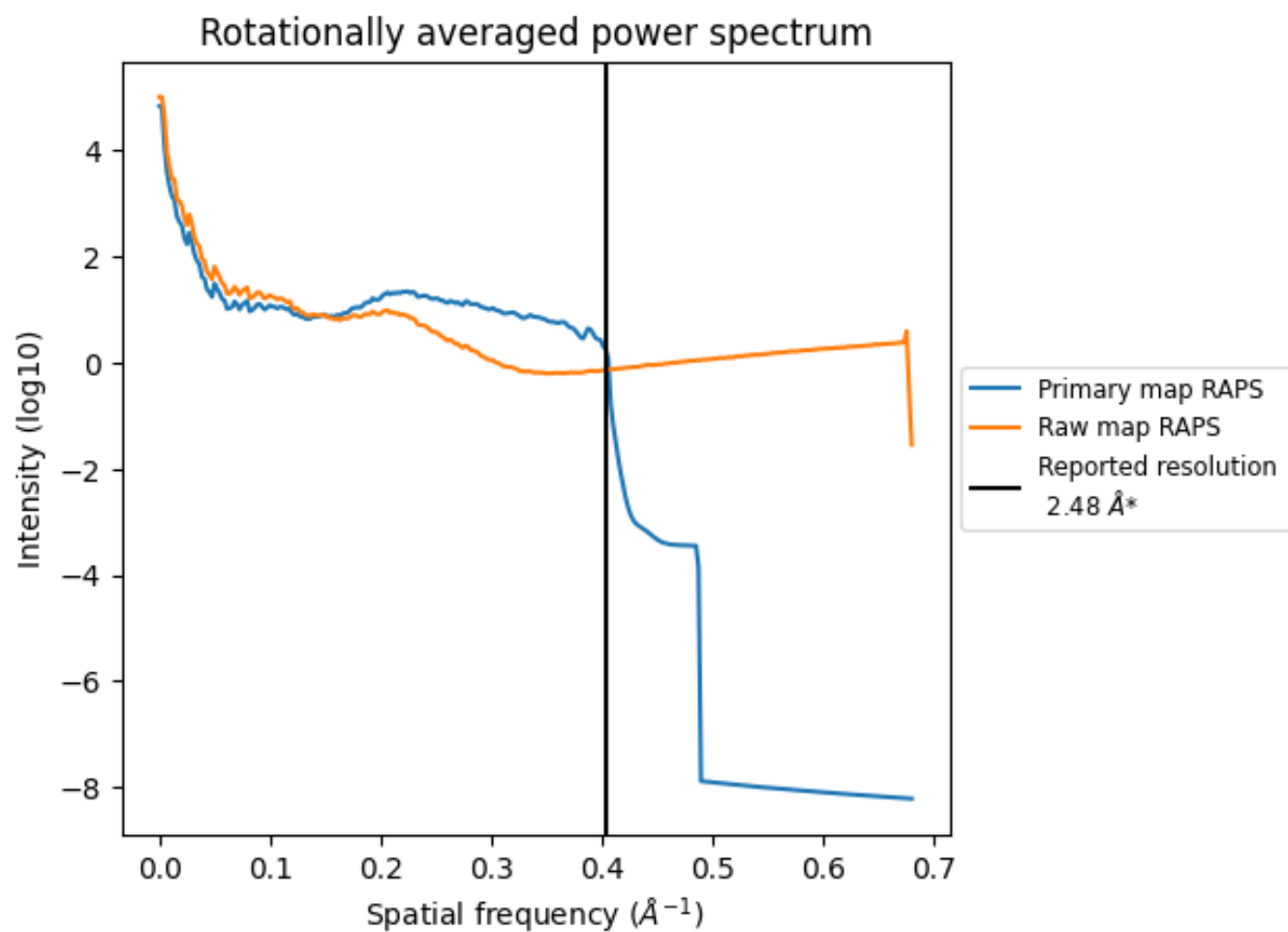
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 2635 nm³; this corresponds to an approximate mass of 2380 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 ⓘ

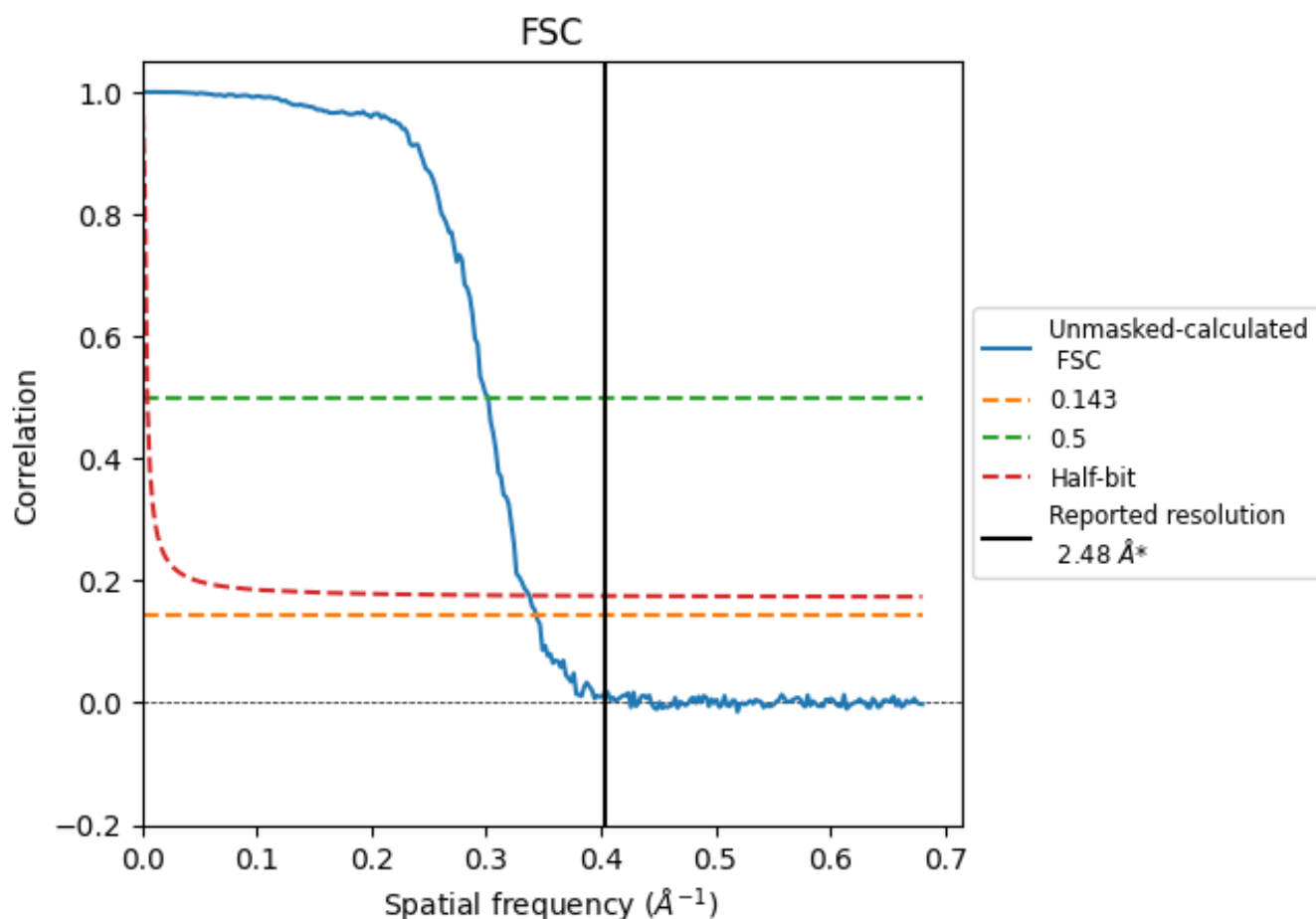


*Reported resolution corresponds to spatial frequency of 0.403 Å⁻¹

8 Fourier-Shell correlation [i](#)

Fourier-Shell Correlation (FSC) is the most commonly used method to estimate the resolution of single-particle and subtomogram-averaged maps. The shape of the curve depends on the imposed symmetry, mask and whether or not the two 3D reconstructions used were processed from a common reference. The reported resolution is shown as a black line. A curve is displayed for the half-bit criterion in addition to lines showing the 0.143 gold standard cut-off and 0.5 cut-off.

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.403 Å⁻¹

8.2 Resolution estimates [i](#)

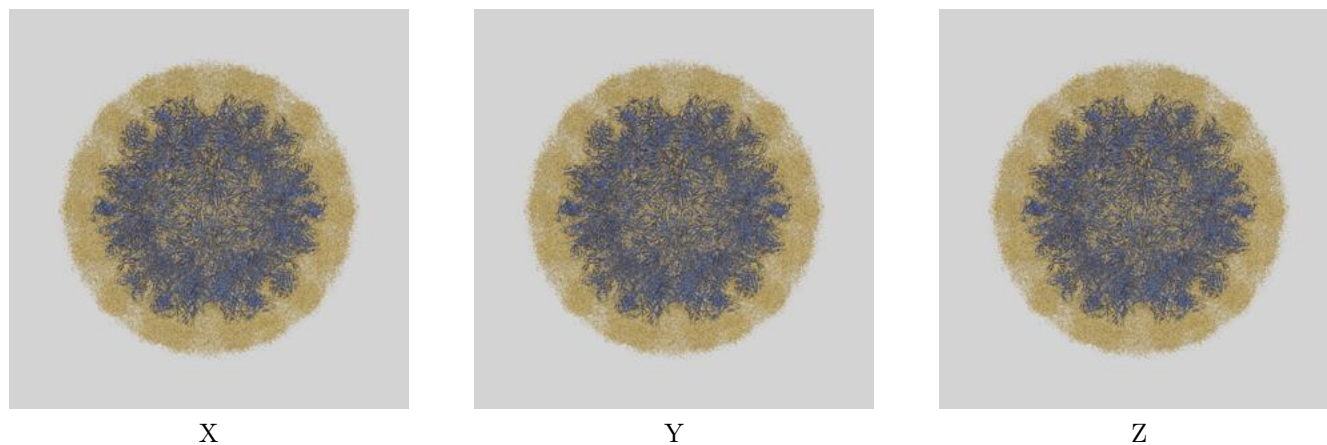
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	2.48	-	-
Author-provided FSC curve	-	-	-
Unmasked-calculated*	2.91	3.32	2.96

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 2.91 differs from the reported value 2.48 by more than 10 %

9 Map-model fit [i](#)

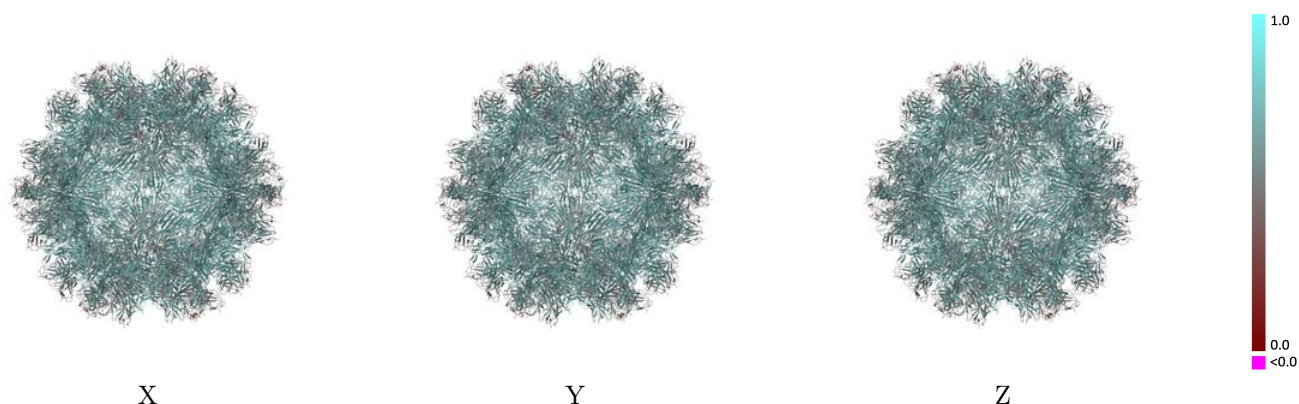
This section contains information regarding the fit between EMDB map EMD-76771 and PDB model 12UT. Per-residue inclusion information can be found in [section 3](#) on [page 20](#).

9.1 Map-model overlay [i](#)



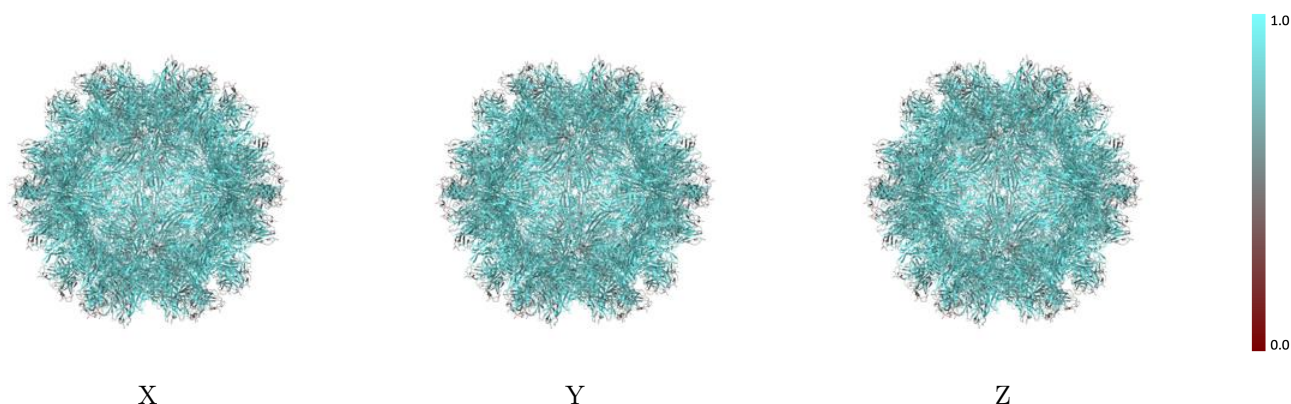
The images above show the 3D surface view of the map at the recommended contour level 1.5 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

9.2 Q-score mapped to coordinate model [i](#)



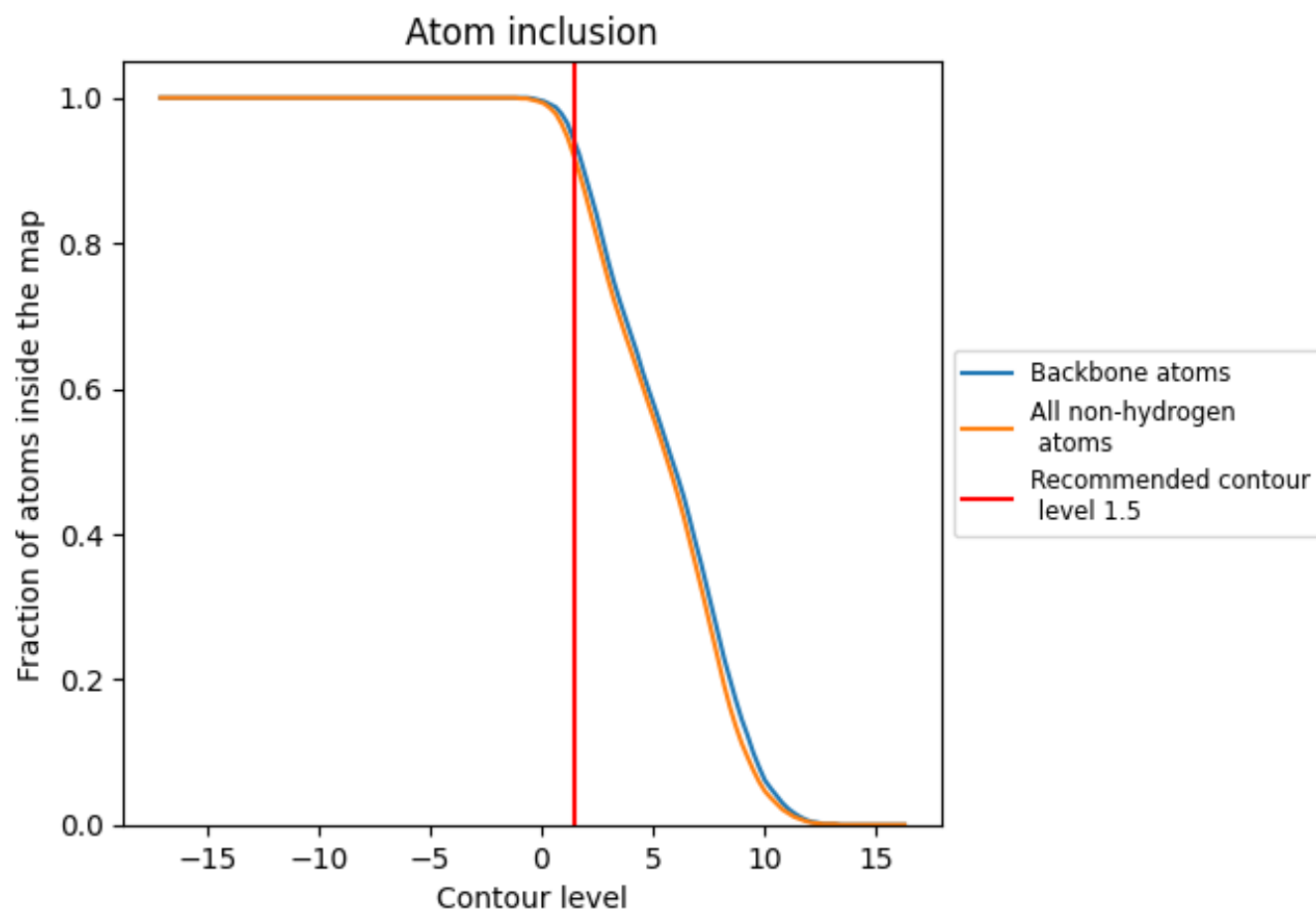
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (1.5).

9.4 Atom inclusion [i](#)



At the recommended contour level, 94% of all backbone atoms, 92% 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 (1.5) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.9170	 0.6490
0	 0.9860	 0.6930
0h	 0.8040	 0.5670
0l	 0.7070	 0.5230
1	 0.9860	 0.6940
1h	 0.8040	 0.5710
1l	 0.7070	 0.5220
2	 0.9860	 0.6930
2h	 0.8050	 0.5700
2l	 0.7070	 0.5230
3	 0.9880	 0.6940
3h	 0.8050	 0.5660
3l	 0.6970	 0.5200
4	 0.9870	 0.6930
4h	 0.8090	 0.5730
4l	 0.6970	 0.5260
5	 0.9860	 0.6930
5h	 0.8060	 0.5710
5l	 0.7040	 0.5270
6	 0.9880	 0.6940
6h	 0.8050	 0.5690
6l	 0.6970	 0.5210
7	 0.9870	 0.6930
7h	 0.8090	 0.5720
7l	 0.6970	 0.5230
A	 0.9860	 0.6940
Ah	 0.8160	 0.5750
Al	 0.7090	 0.5290
B	 0.9870	 0.6940
Bh	 0.8090	 0.5720
Bl	 0.6970	 0.5230
C	 0.9860	 0.6940
Ch	 0.8060	 0.5700
Cl	 0.7040	 0.5250
D	 0.9880	 0.6930



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Chain	Atom inclusion	Q-score
Dh	 0.8050	 0.5700
DI	 0.6970	 0.5210
E	 0.9880	 0.6940
Eh	 0.8020	 0.5720
El	 0.7000	 0.5210
F	 0.9880	 0.6930
Fh	 0.8020	 0.5690
Fl	 0.7000	 0.5240
G	 0.9880	 0.6930
Gh	 0.8020	 0.5720
Gl	 0.6990	 0.5250
H	 0.9860	 0.6940
Hh	 0.8050	 0.5740
HI	 0.7070	 0.5230
I	 0.9860	 0.6920
Ih	 0.8040	 0.5660
Il	 0.7070	 0.5200
J	 0.9860	 0.6930
Jh	 0.8040	 0.5710
JI	 0.7070	 0.5200
K	 0.9860	 0.6930
Kh	 0.8060	 0.5740
KI	 0.7040	 0.5250
L	 0.9880	 0.6940
Lh	 0.8050	 0.5650
LI	 0.6970	 0.5200
M	 0.9870	 0.6930
Mh	 0.8090	 0.5720
MI	 0.6970	 0.5240
N	 0.9880	 0.6920
Nh	 0.8020	 0.5730
NI	 0.7000	 0.5240
O	 0.9880	 0.6940
Oh	 0.8020	 0.5720
OI	 0.6990	 0.5220
P	 0.9880	 0.6940
Ph	 0.8020	 0.5690
PI	 0.7000	 0.5180
Q	 0.9870	 0.6920
Qh	 0.8090	 0.5730
QI	 0.6970	 0.5240
R	 0.9860	 0.6940

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Chain	Atom inclusion	Q-score
Rh	 0.8060	 0.5730
Rl	 0.7040	 0.5230
S	 0.9880	 0.6940
Sh	 0.8050	 0.5670
Sl	 0.6970	 0.5200
T	 0.9860	 0.6940
Th	 0.8060	 0.5730
Tl	 0.7020	 0.5250
U	 0.9880	 0.6930
Uh	 0.8050	 0.5700
Ul	 0.6970	 0.5210
V	 0.9870	 0.6940
Vh	 0.8090	 0.5680
Vl	 0.6970	 0.5210
W	 0.9860	 0.6930
Wh	 0.8040	 0.5660
Wl	 0.7070	 0.5210
X	 0.9860	 0.6930
Xh	 0.8040	 0.5710
Xl	 0.7070	 0.5220
Y	 0.9860	 0.6930
Yh	 0.8050	 0.5710
Yl	 0.7070	 0.5230
Z	 0.9880	 0.6940
Zh	 0.8050	 0.5680
Zl	 0.6970	 0.5190
a	 0.9870	 0.6930
ah	 0.8090	 0.5720
al	 0.6970	 0.5260
b	 0.9860	 0.6930
bh	 0.8060	 0.5720
bl	 0.7040	 0.5270
c	 0.9880	 0.6940
ch	 0.8050	 0.5670
cl	 0.6990	 0.5200
d	 0.9870	 0.6940
dh	 0.8090	 0.5730
dl	 0.6970	 0.5260
e	 0.9860	 0.6940
eh	 0.8060	 0.5710
el	 0.7040	 0.5260
f	 0.9870	 0.6940

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Chain	Atom inclusion	Q-score
fh	 0.8090	 0.5730
fl	 0.6970	 0.5230
g	 0.9860	 0.6930
gh	 0.8060	 0.5690
gl	 0.7040	 0.5240
h	 0.9880	 0.6930
hh	 0.8050	 0.5690
hl	 0.6970	 0.5200
i	 0.9880	 0.6930
ih	 0.8020	 0.5700
il	 0.7000	 0.5250
j	 0.9880	 0.6930
jh	 0.8020	 0.5690
jl	 0.7000	 0.5210
k	 0.9880	 0.6930
kh	 0.8020	 0.5740
kl	 0.6990	 0.5210
l	 0.9860	 0.6930
lh	 0.8050	 0.5730
ll	 0.7070	 0.5230
m	 0.9860	 0.6930
mh	 0.8040	 0.5650
ml	 0.7070	 0.5190
n	 0.9860	 0.6940
nh	 0.8040	 0.5700
nl	 0.7070	 0.5200
o	 0.9860	 0.6940
oh	 0.8070	 0.5760
ol	 0.7000	 0.5290
p	 0.9880	 0.6940
ph	 0.8050	 0.5640
pl	 0.6970	 0.5170
q	 0.9870	 0.6930
qh	 0.8090	 0.5730
ql	 0.6970	 0.5230
r	 0.9880	 0.6930
rh	 0.8020	 0.5720
rl	 0.7000	 0.5220
s	 0.9880	 0.6940
sh	 0.8020	 0.5720
sl	 0.6990	 0.5200
t	 0.9880	 0.6940

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Chain	Atom inclusion	Q-score
th	 0.8020	 0.5680
tl	 0.7000	 0.5210
u	 0.9870	 0.6930
uh	 0.8090	 0.5740
ul	 0.6970	 0.5240
v	 0.9860	 0.6940
vh	 0.8060	 0.5750
vl	 0.7040	 0.5260
w	 0.9880	 0.6940
wh	 0.8050	 0.5660
wl	 0.6970	 0.5170
x	 0.9860	 0.6940
xh	 0.8080	 0.5730
xl	 0.7020	 0.5240
y	 0.9880	 0.6940
yh	 0.8050	 0.5700
yl	 0.6970	 0.5230
z	 0.9870	 0.6930
zh	 0.8090	 0.5680
zl	 0.6970	 0.5210