Full wwPDB X-ray Structure Validation Report ⓘ

Mar 1, 2026 – 06:53 AM UTC

PDB ID	:	2QFX / pdb_00002qfx
Title	:	Crystal structure of Saccharomyces cerevesiae mitochondrial NADP(+)-dependent isocitrate dehydrogenase in complex with NADPH, a-ketoglutarate and Ca(2+)
Authors	:	Peng, Y.J.; Ding, J.P.
Deposited on	:	2007-06-28
Resolution	:	2.70 Å(reported)

This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/XrayValidationReportHelp
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:

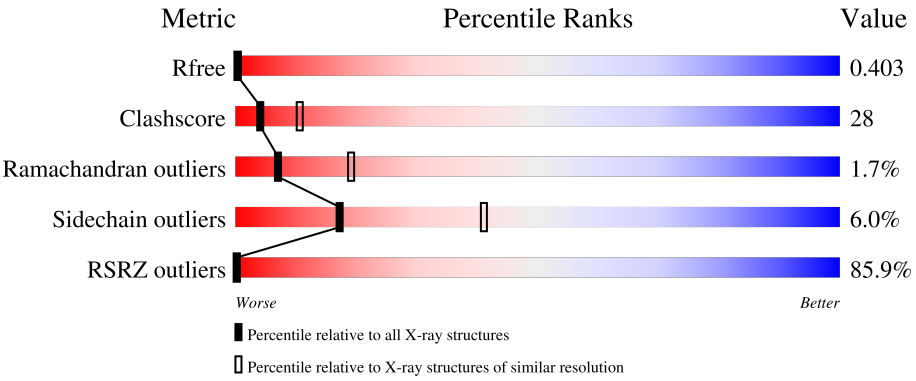
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
X-RAY DIFFRACTION

The reported resolution of this entry is 2.70 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)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	3538 (2.70-2.70)
Clashscore	190562	3843 (2.70-2.70)
Ramachandran outliers	187476	3778 (2.70-2.70)
Sidechain outliers	187428	3778 (2.70-2.70)
RSRZ outliers	180081	3538 (2.70-2.70)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower 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 <=5% The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	427	83% 18% 69% 10% .
1	B	427	81% 18% 70% 8% .
1	C	427	83% 23% 64% 9% .
1	D	427	79% 17% 70% 10% .

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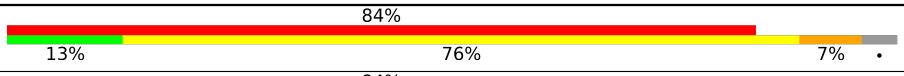
Mol	Chain	Length	Quality of chain
1	E	427	
1	F	427	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
3	NDP	A	1101	-	-	X	-
3	NDP	B	1201	-	-	X	-
3	NDP	D	1401	-	-	X	-
3	NDP	F	1601	-	-	X	-
4	AKG	A	1102	-	-	X	-
4	AKG	B	1202	-	-	X	X
4	AKG	C	1302	-	-	X	-
4	AKG	D	1402	-	-	X	-
4	AKG	E	1502	-	-	X	-
4	AKG	F	1602	-	-	X	-

2 Entry composition (i)

There are 5 unique types of molecules in this entry. The entry contains 20069 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, 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 Isocitrate dehydrogenase [NADP].

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	410	Total	C	N	O	S	0	0	0
			3248	2070	550	616	12			
1	B	410	Total	C	N	O	S	0	0	0
			3248	2070	550	616	12			
1	C	410	Total	C	N	O	S	0	0	0
			3248	2070	550	616	12			
1	D	410	Total	C	N	O	S	0	0	0
			3248	2070	550	616	12			
1	E	410	Total	C	N	O	S	0	0	0
			3248	2070	550	616	12			
1	F	410	Total	C	N	O	S	0	0	0
			3248	2070	550	616	12			

There are 84 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	-13	MET	-	expression tag	UNP P21954
A	-12	HIS	-	expression tag	UNP P21954
A	-11	HIS	-	expression tag	UNP P21954
A	-10	HIS	-	expression tag	UNP P21954
A	-9	HIS	-	expression tag	UNP P21954
A	-8	HIS	-	expression tag	UNP P21954
A	-7	HIS	-	expression tag	UNP P21954
A	-6	ALA	-	expression tag	UNP P21954
A	-5	MET	-	expression tag	UNP P21954
A	-4	GLY	-	expression tag	UNP P21954
A	-3	ILE	-	expression tag	UNP P21954
A	-2	PRO	-	expression tag	UNP P21954
A	-1	GLY	-	expression tag	UNP P21954
A	0	HIS	-	expression tag	UNP P21954
B	-13	MET	-	expression tag	UNP P21954
B	-12	HIS	-	expression tag	UNP P21954
B	-11	HIS	-	expression tag	UNP P21954

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Chain	Residue	Modelled	Actual	Comment	Reference
B	-10	HIS	-	expression tag	UNP P21954
B	-9	HIS	-	expression tag	UNP P21954
B	-8	HIS	-	expression tag	UNP P21954
B	-7	HIS	-	expression tag	UNP P21954
B	-6	ALA	-	expression tag	UNP P21954
B	-5	MET	-	expression tag	UNP P21954
B	-4	GLY	-	expression tag	UNP P21954
B	-3	ILE	-	expression tag	UNP P21954
B	-2	PRO	-	expression tag	UNP P21954
B	-1	GLY	-	expression tag	UNP P21954
B	0	HIS	-	expression tag	UNP P21954
C	-13	MET	-	expression tag	UNP P21954
C	-12	HIS	-	expression tag	UNP P21954
C	-11	HIS	-	expression tag	UNP P21954
C	-10	HIS	-	expression tag	UNP P21954
C	-9	HIS	-	expression tag	UNP P21954
C	-8	HIS	-	expression tag	UNP P21954
C	-7	HIS	-	expression tag	UNP P21954
C	-6	ALA	-	expression tag	UNP P21954
C	-5	MET	-	expression tag	UNP P21954
C	-4	GLY	-	expression tag	UNP P21954
C	-3	ILE	-	expression tag	UNP P21954
C	-2	PRO	-	expression tag	UNP P21954
C	-1	GLY	-	expression tag	UNP P21954
C	0	HIS	-	expression tag	UNP P21954
D	-13	MET	-	expression tag	UNP P21954
D	-12	HIS	-	expression tag	UNP P21954
D	-11	HIS	-	expression tag	UNP P21954
D	-10	HIS	-	expression tag	UNP P21954
D	-9	HIS	-	expression tag	UNP P21954
D	-8	HIS	-	expression tag	UNP P21954
D	-7	HIS	-	expression tag	UNP P21954
D	-6	ALA	-	expression tag	UNP P21954
D	-5	MET	-	expression tag	UNP P21954
D	-4	GLY	-	expression tag	UNP P21954
D	-3	ILE	-	expression tag	UNP P21954
D	-2	PRO	-	expression tag	UNP P21954
D	-1	GLY	-	expression tag	UNP P21954
D	0	HIS	-	expression tag	UNP P21954
E	-13	MET	-	expression tag	UNP P21954
E	-12	HIS	-	expression tag	UNP P21954
E	-11	HIS	-	expression tag	UNP P21954

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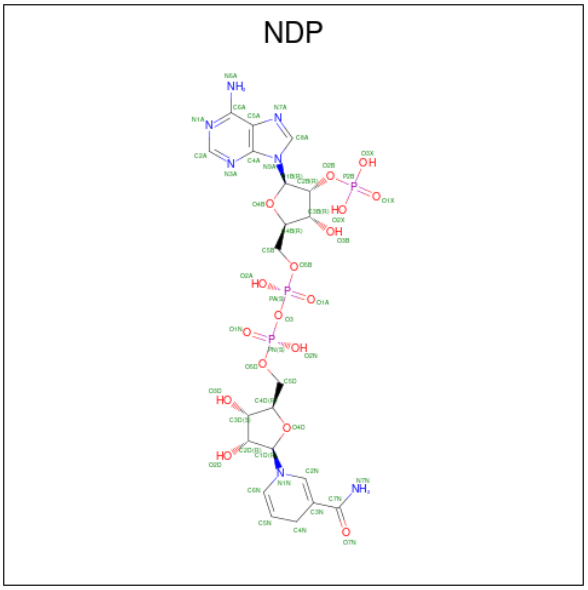
Chain	Residue	Modelled	Actual	Comment	Reference
E	-10	HIS	-	expression tag	UNP P21954
E	-9	HIS	-	expression tag	UNP P21954
E	-8	HIS	-	expression tag	UNP P21954
E	-7	HIS	-	expression tag	UNP P21954
E	-6	ALA	-	expression tag	UNP P21954
E	-5	MET	-	expression tag	UNP P21954
E	-4	GLY	-	expression tag	UNP P21954
E	-3	ILE	-	expression tag	UNP P21954
E	-2	PRO	-	expression tag	UNP P21954
E	-1	GLY	-	expression tag	UNP P21954
E	0	HIS	-	expression tag	UNP P21954
F	-13	MET	-	expression tag	UNP P21954
F	-12	HIS	-	expression tag	UNP P21954
F	-11	HIS	-	expression tag	UNP P21954
F	-10	HIS	-	expression tag	UNP P21954
F	-9	HIS	-	expression tag	UNP P21954
F	-8	HIS	-	expression tag	UNP P21954
F	-7	HIS	-	expression tag	UNP P21954
F	-6	ALA	-	expression tag	UNP P21954
F	-5	MET	-	expression tag	UNP P21954
F	-4	GLY	-	expression tag	UNP P21954
F	-3	ILE	-	expression tag	UNP P21954
F	-2	PRO	-	expression tag	UNP P21954
F	-1	GLY	-	expression tag	UNP P21954
F	0	HIS	-	expression tag	UNP P21954

- Molecule 2 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	1	Total Ca 1 1	0	0
2	B	1	Total Ca 1 1	0	0
2	C	1	Total Ca 1 1	0	0
2	D	1	Total Ca 1 1	0	0
2	E	1	Total Ca 1 1	0	0
2	F	1	Total Ca 1 1	0	0

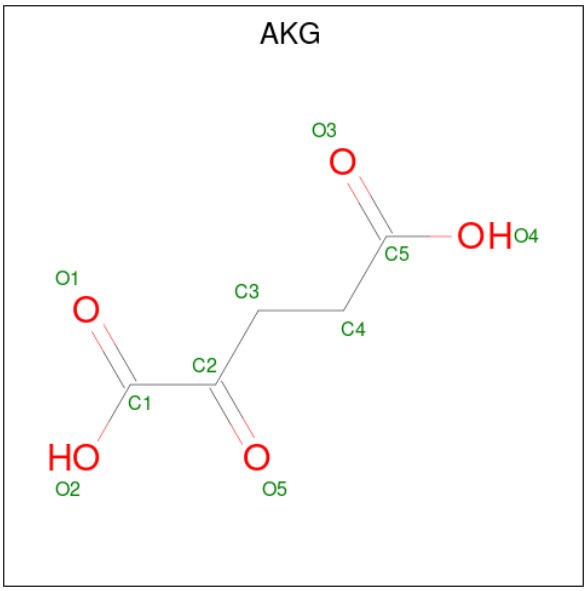
- Molecule 3 is NADPH DIHYDRO-NICOTINAMIDE-ADENINE-DINUCLEOTIDE

PHOSPHATE (CCD ID: NDP) (formula: $C_{21}H_{30}N_7O_{17}P_3$).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
3	A	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	B	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	C	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	D	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	E	1	Total	C	N	O	P	0	0
			48	21	7	17	3		
3	F	1	Total	C	N	O	P	0	0
			48	21	7	17	3		

- Molecule 4 is 2-OXOGLUTARIC ACID (CCD ID: AKG) (formula: $C_5H_6O_5$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	A	1	Total C O 10 5 5	0	0
4	B	1	Total C O 10 5 5	0	0
4	C	1	Total C O 10 5 5	0	0
4	D	1	Total C O 10 5 5	0	0
4	E	1	Total C O 10 5 5	0	0
4	F	1	Total C O 10 5 5	0	0

- Molecule 5 is water.

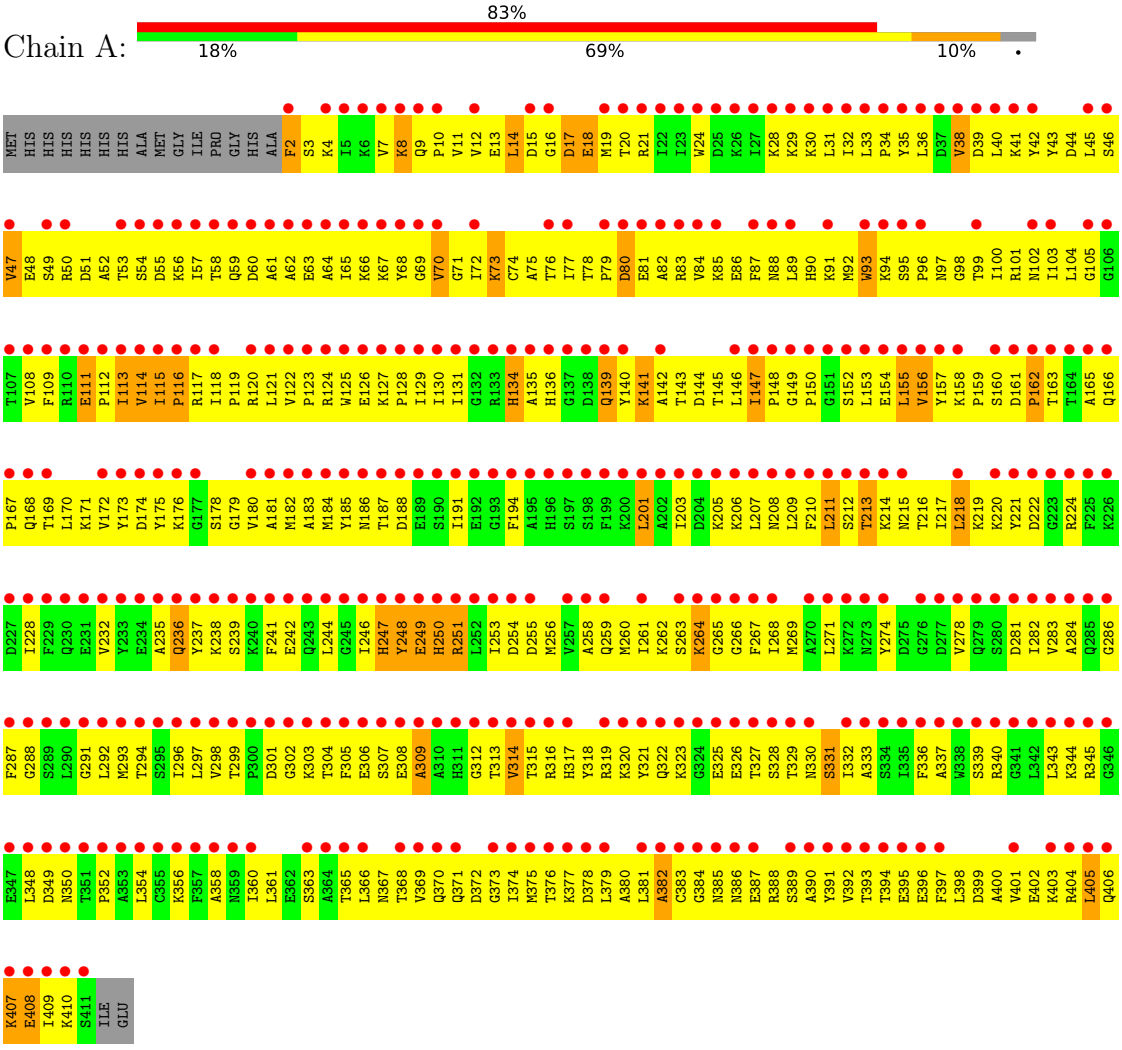
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
5	A	26	Total O 26 26	0	0
5	B	22	Total O 22 22	0	0
5	C	47	Total O 47 47	0	0
5	D	49	Total O 49 49	0	0
5	E	30	Total O 30 30	0	0
5	F	53	Total O 53 53	0	0

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density (RSRZ > 2). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

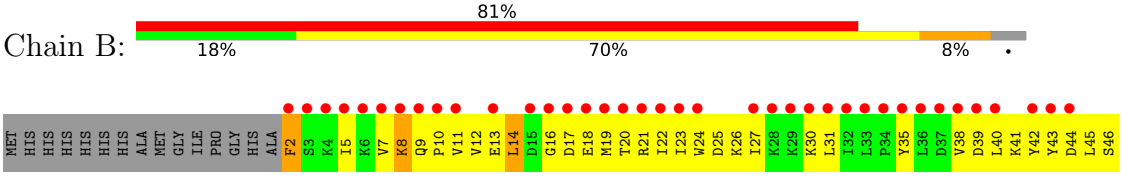
• Molecule 1: Isocitrate dehydrogenase [NADP]

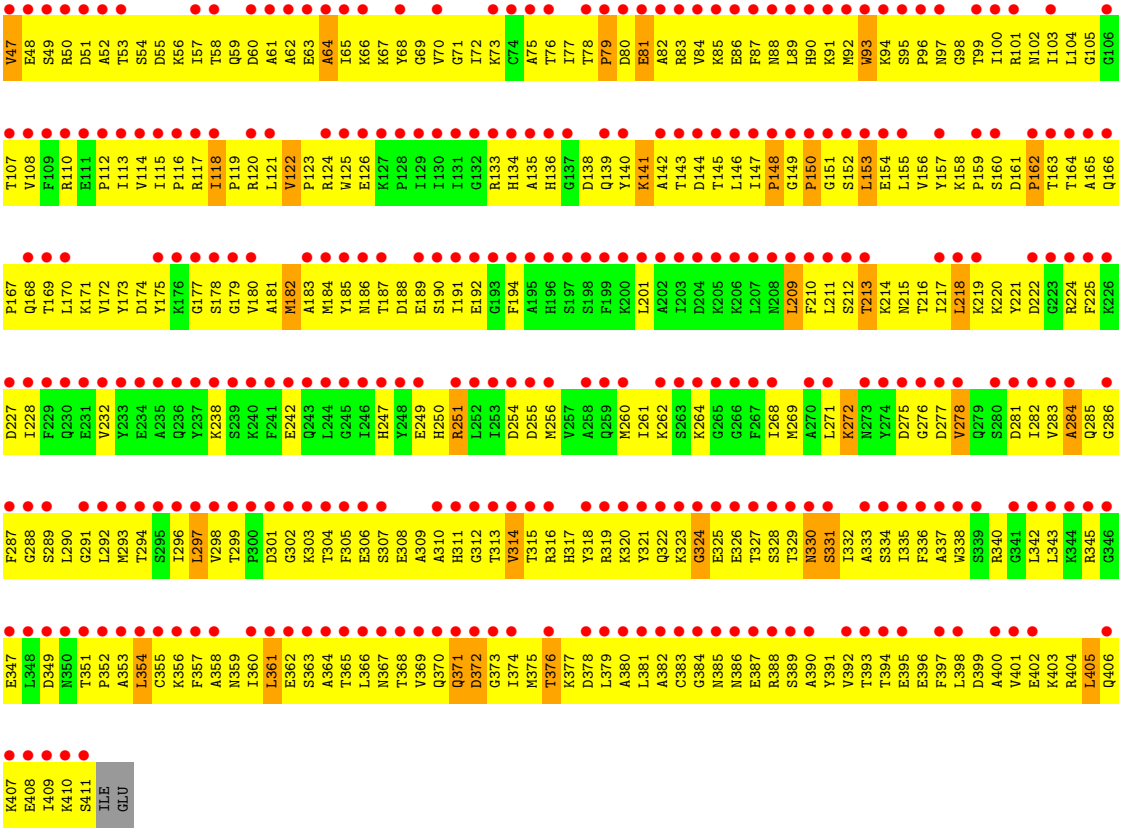
Chain A:



• Molecule 1: Isocitrate dehydrogenase [NADP]

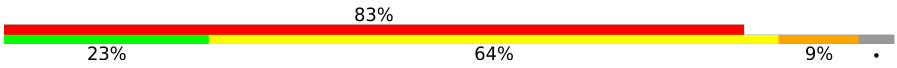
Chain B:

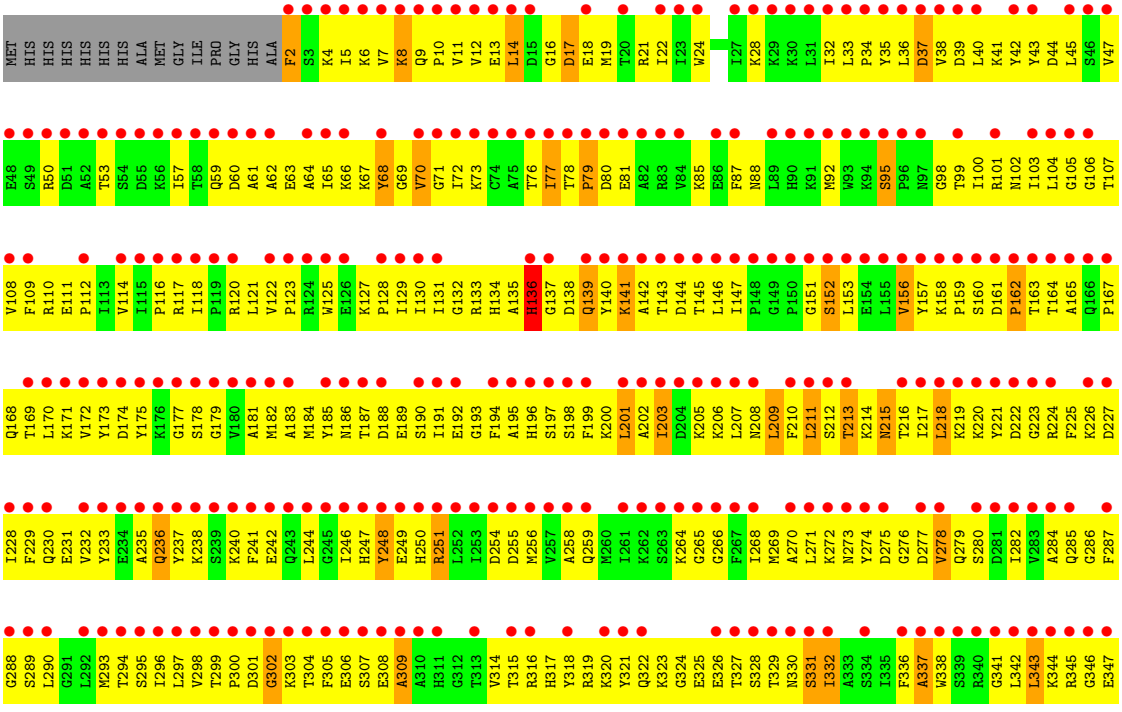


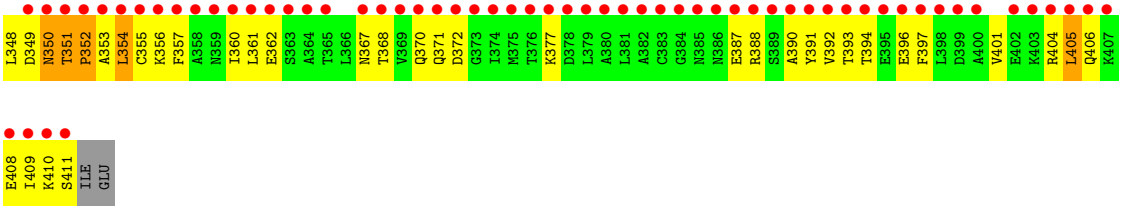


- Molecule 1: Isocitrate dehydrogenase [NADP]

Chain C:

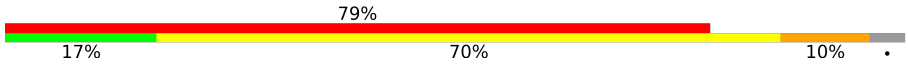


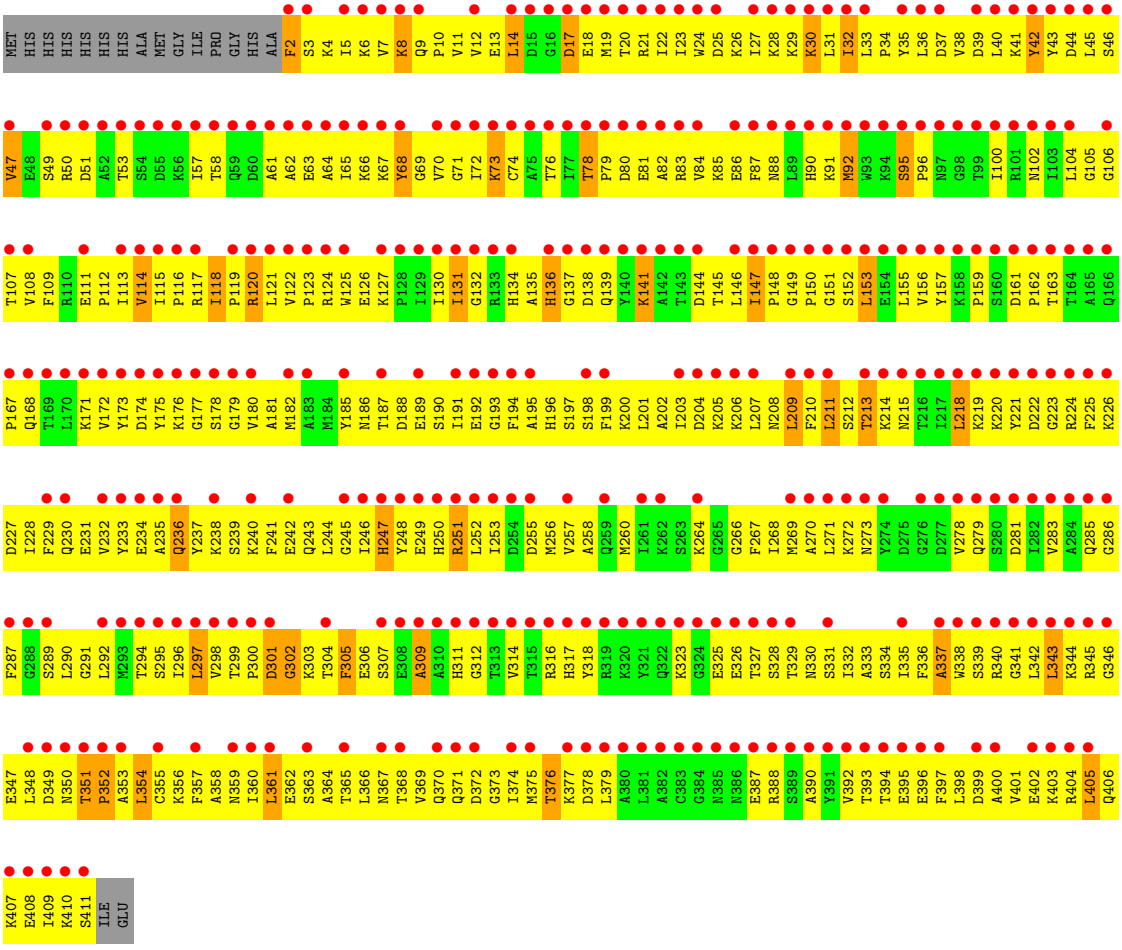




• Molecule 1: Isocitrate dehydrogenase [NADP]

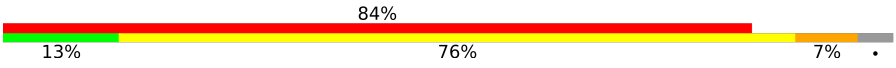
Chain D:

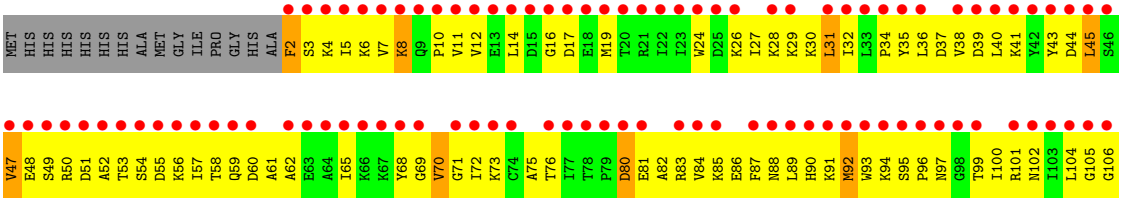


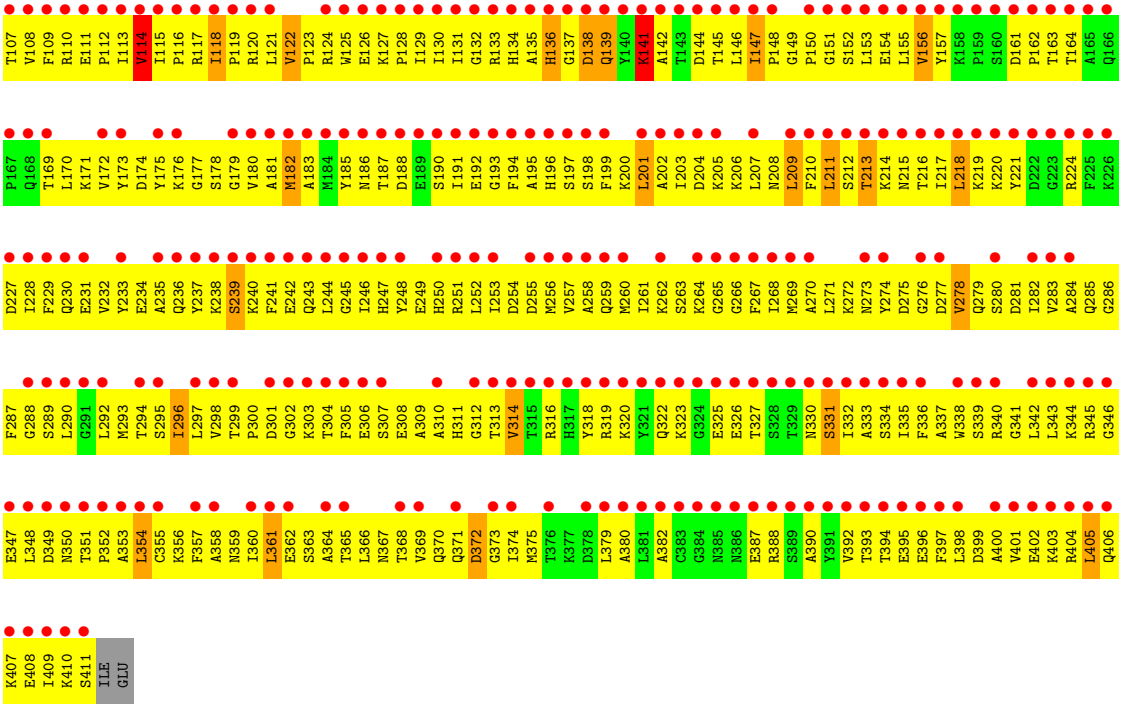


• Molecule 1: Isocitrate dehydrogenase [NADP]

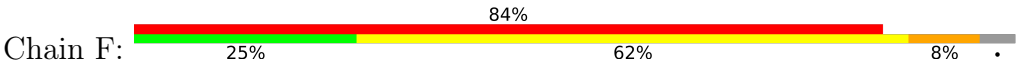
Chain E:

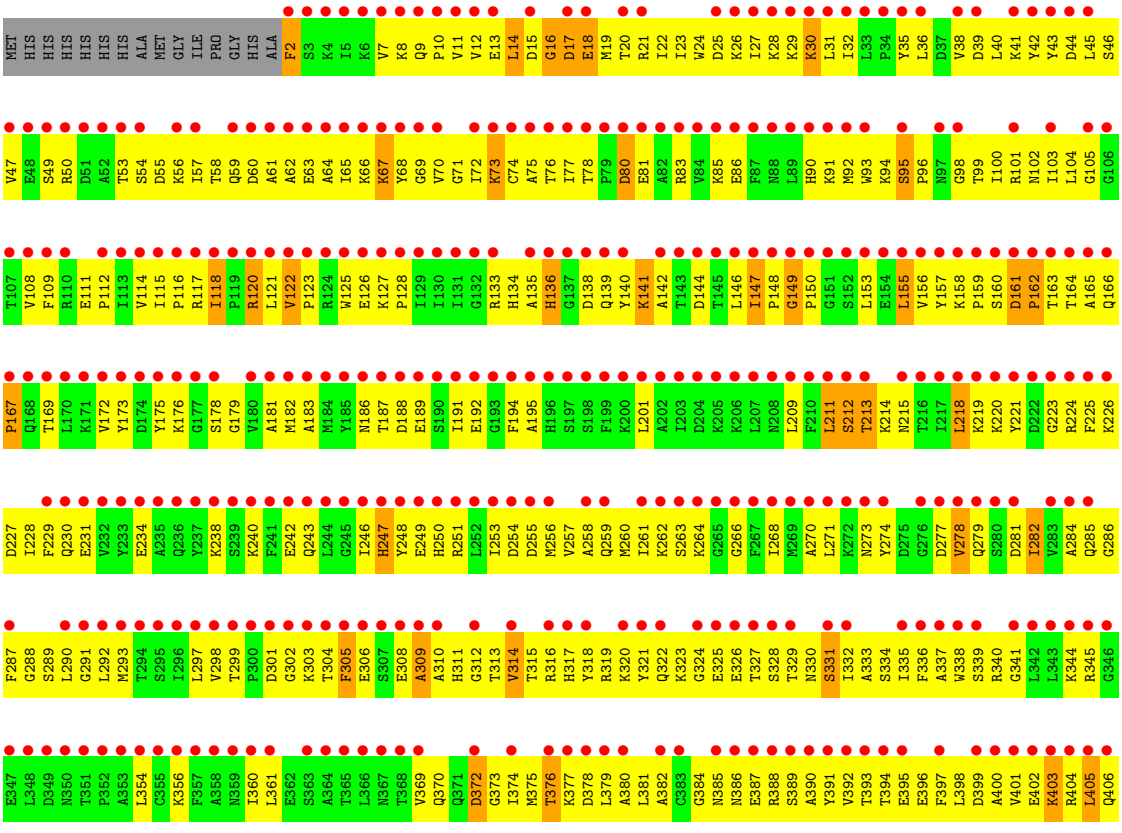


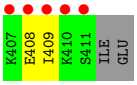




- Molecule 1: Isocitrate dehydrogenase [NADP]






R407
E408
I409
R410
S411
ILE
GLU

4 Data and refinement statistics (i)

Property	Value	Source
Space group	P 1 2 1	Depositor
Cell constants a, b, c, α, β, γ	113.42Å 99.63Å 129.95Å 90.00° 111.21° 90.00°	Depositor
Resolution (Å)	49.73 – 2.70 49.73 – 2.70	Depositor EDS
% Data completeness (in resolution range)	98.6 (49.73-2.70) 98.6 (49.73-2.70)	Depositor EDS
R_{merge}	0.05	Depositor
R_{sym}	0.04	Depositor
$< I/\sigma(I) >$ [1]	2.86 (at 2.69Å)	Xtriage
Refinement program	CNS	Depositor
R, R_{free}	0.217 , 0.285 0.406 , 0.403	Depositor DCC
R_{free} test set	3723 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å^2)	65.1	Xtriage
Anisotropy	0.412	Xtriage
Bulk solvent k_{sol}(e/Å^3), B_{sol}(Å^2)	0.41 , 135.7	EDS
L-test for twinning[2]	$< \|L\| > = 0.51$, $< L^2 > = 0.35$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o,F_c correlation	0.67	EDS
Total number of atoms	20069	wwPDB-VP
Average B, all atoms (Å^2)	68.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.56% of the height of the origin peak. No significant pseudotranslation is detected.*

[1] Intensities estimated from amplitudes.

[2] Theoretical values of $< |L| >$, $< L^2 >$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality (i)

5.1 Standard geometry (i)

Bond lengths and bond angles in the following residue types are not validated in this section: NDP, CA, AKG

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	A	0.44	0/3311	1.03	25/4466 (0.6%)
1	B	0.45	0/3311	1.02	13/4466 (0.3%)
1	C	0.48	0/3311	1.08	28/4466 (0.6%)
1	D	0.47	0/3311	1.08	25/4466 (0.6%)
1	E	0.44	0/3311	1.02	16/4466 (0.4%)
1	F	0.46	0/3311	1.09	25/4466 (0.6%)
All	All	0.46	0/19866	1.05	132/26796 (0.5%)

There are no bond length outliers.

All (132) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	B	136	HIS	N-CA-C	15.26	127.60	110.97
1	A	136	HIS	N-CA-C	12.78	127.72	111.24
1	C	118	ILE	N-CA-C	8.98	117.83	107.77
1	C	17	ASP	N-CA-C	8.40	122.48	110.14
1	A	17	ASP	N-CA-C	8.00	121.47	109.95
1	D	337	ALA	N-CA-C	-7.96	102.30	110.97
1	B	302	GLY	N-CA-C	-7.83	103.97	115.63
1	B	93	TRP	N-CA-C	7.82	120.40	110.24
1	D	30	LYS	N-CA-C	7.70	119.67	111.28
1	D	122	VAL	CA-C-N	7.67	129.43	119.84
1	D	122	VAL	C-N-CA	7.67	129.43	119.84
1	A	73	LYS	N-CA-C	7.58	121.80	109.59
1	F	136	HIS	N-CA-C	7.52	126.81	110.80
1	A	302	GLY	N-CA-C	-7.46	104.46	115.72
1	C	332	ILE	N-CA-C	7.45	117.57	110.42
1	F	302	GLY	N-CA-C	-7.42	104.80	115.64
1	C	147	ILE	CA-C-N	7.29	126.82	119.24
1	C	147	ILE	C-N-CA	7.29	126.82	119.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	E	17	ASP	N-CA-C	7.22	120.34	109.95
1	D	147	ILE	CA-C-N	7.18	127.02	119.05
1	D	147	ILE	C-N-CA	7.18	127.02	119.05
1	F	156	VAL	N-CA-C	7.13	118.14	107.80
1	E	302	GLY	N-CA-C	-7.13	104.77	115.32
1	B	122	VAL	CA-C-N	7.08	128.69	119.84
1	B	122	VAL	C-N-CA	7.08	128.69	119.84
1	E	136	HIS	N-CA-C	6.99	125.69	110.80
1	D	42	TYR	N-CA-C	6.96	119.82	109.59
1	F	17	ASP	N-CA-C	6.93	120.42	109.81
1	C	302	GLY	N-CA-C	-6.93	105.66	115.43
1	F	147	ILE	CA-C-N	6.93	126.74	119.05
1	F	147	ILE	C-N-CA	6.93	126.74	119.05
1	C	337	ALA	N-CA-C	-6.92	103.73	111.28
1	C	16	GLY	N-CA-C	6.91	120.81	111.20
1	E	147	ILE	CA-C-N	6.89	126.70	119.05
1	E	147	ILE	C-N-CA	6.89	126.70	119.05
1	A	70	VAL	N-CA-C	6.84	117.69	108.11
1	C	136	HIS	N-CA-C	6.78	125.24	110.80
1	A	176	LYS	N-CA-C	-6.72	104.39	112.59
1	F	122	VAL	CA-C-N	6.71	126.97	119.32
1	F	122	VAL	C-N-CA	6.71	126.97	119.32
1	D	136	HIS	N-CA-C	6.66	123.48	110.56
1	D	114	VAL	N-CA-C	6.64	118.39	108.23
1	D	73	LYS	N-CA-C	6.63	119.75	109.07
1	F	67	LYS	N-CA-C	6.57	118.52	111.36
1	F	115	ILE	CA-C-N	6.57	128.05	119.84
1	F	115	ILE	C-N-CA	6.57	128.05	119.84
1	E	114	VAL	N-CA-C	6.54	118.24	108.23
1	F	118	ILE	N-CA-C	6.51	115.06	107.77
1	D	302	GLY	N-CA-C	-6.47	105.39	116.01
1	C	73	LYS	N-CA-C	6.46	120.36	109.76
1	C	122	VAL	CA-C-N	6.40	127.84	119.84
1	C	122	VAL	C-N-CA	6.40	127.84	119.84
1	C	217	ILE	N-CA-C	-6.38	105.48	111.48
1	A	309	ALA	N-CA-C	-6.31	101.18	110.52
1	A	113	ILE	N-CA-C	-6.29	98.60	108.23
1	D	32	ILE	N-CA-C	6.29	117.39	111.48
1	B	118	ILE	N-CA-C	6.24	115.41	108.05
1	E	122	VAL	CA-C-N	6.23	127.63	119.84
1	E	122	VAL	C-N-CA	6.23	127.63	119.84
1	C	156	VAL	N-CA-C	6.21	117.23	108.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	D	17	ASP	N-CA-C	6.18	118.81	109.41
1	F	32	ILE	N-CA-C	6.18	117.29	111.48
1	C	236	GLN	N-CA-C	6.11	120.03	112.03
1	F	278	VAL	N-CA-C	6.10	116.28	110.42
1	C	77	ILE	CB-CA-C	-6.09	102.19	111.69
1	F	114	VAL	N-CA-C	6.08	117.34	108.58
1	E	118	ILE	N-CA-C	6.07	114.57	107.77
1	E	92	MET	N-CA-C	-6.05	101.18	109.71
1	F	73	LYS	N-CA-C	6.05	119.25	109.40
1	F	176	LYS	N-CA-C	-6.04	104.08	112.30
1	A	114	VAL	N-CA-C	6.03	117.46	108.23
1	A	337	ALA	N-CA-C	-6.00	104.74	111.28
1	C	32	ILE	N-CA-C	6.00	116.36	111.62
1	F	30	LYS	N-CA-C	5.98	119.05	111.69
1	A	38	VAL	N-CA-C	5.98	116.48	108.11
1	C	278	VAL	N-CA-C	5.98	116.16	110.42
1	A	111	GLU	CA-C-N	-5.91	113.88	120.14
1	A	111	GLU	C-N-CA	-5.91	113.88	120.14
1	D	309	ALA	N-CA-C	-5.89	100.11	109.59
1	D	78	THR	N-CA-C	-5.86	101.09	109.24
1	D	141	LYS	N-CA-C	-5.81	103.56	110.41
1	A	80	ASP	N-CA-C	-5.78	100.71	108.86
1	D	118	ILE	N-CA-C	5.78	114.24	107.77
1	A	278	VAL	N-CA-C	5.74	117.17	110.62
1	F	264	LYS	N-CA-C	-5.74	105.61	113.30
1	D	68	TYR	N-CA-C	5.72	119.52	112.54
1	A	248	TYR	N-CA-C	-5.69	103.19	110.53
1	C	203	ILE	N-CA-C	-5.62	106.22	111.45
1	C	37	ASP	N-CA-C	-5.62	98.10	107.99
1	D	118	ILE	CA-C-N	5.55	125.75	120.31
1	D	118	ILE	C-N-CA	5.55	125.75	120.31
1	D	92	MET	N-CA-C	-5.55	100.71	108.54
1	A	147	ILE	CA-C-N	5.55	125.21	119.05
1	A	147	ILE	C-N-CA	5.55	125.21	119.05
1	C	68	TYR	N-CA-C	5.53	119.64	113.01
1	B	79	PRO	N-CA-C	5.51	119.88	110.95
1	E	156	VAL	N-CA-C	5.49	116.89	108.71
1	F	309	ALA	N-CA-C	-5.48	101.93	110.42
1	D	278	VAL	N-CA-C	5.45	115.65	110.42
1	A	382	ALA	N-CA-C	-5.44	105.35	111.28
1	F	149	GLY	CA-C-N	5.43	126.62	119.84
1	F	149	GLY	C-N-CA	5.43	126.62	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	C	79	PRO	N-CA-C	5.41	119.58	111.14
1	D	156	VAL	N-CA-C	5.40	116.35	108.58
1	C	264	LYS	N-CA-C	-5.39	106.08	113.30
1	B	278	VAL	N-CA-C	5.39	115.53	110.30
1	F	282	ILE	N-CA-C	-5.39	105.47	110.53
1	E	252	LEU	N-CA-C	-5.38	102.53	110.48
1	B	134	HIS	N-CA-C	-5.35	102.36	110.28
1	A	134	HIS	N-CA-C	-5.34	101.73	109.59
1	C	309	ALA	N-CA-C	-5.34	102.57	110.48
1	A	156	VAL	N-CA-C	5.34	116.41	108.23
1	A	115	ILE	CA-C-N	5.33	126.50	119.84
1	A	115	ILE	C-N-CA	5.33	126.50	119.84
1	D	264	LYS	N-CA-C	-5.32	106.01	112.88
1	E	278	VAL	N-CA-C	5.31	115.75	110.23
1	E	382	ALA	N-CA-C	-5.30	105.67	111.82
1	D	131	ILE	N-CA-C	5.29	115.47	107.80
1	C	368	THR	N-CA-C	-5.25	106.14	112.54
1	C	70	VAL	N-CA-C	5.24	115.53	107.77
1	B	337	ALA	N-CA-C	-5.20	105.61	111.28
1	F	16	GLY	N-CA-C	5.19	119.03	110.77
1	A	264	LYS	N-CA-C	-5.19	106.63	113.17
1	E	31	LEU	N-CA-C	5.16	119.84	113.50
1	A	93	TRP	N-CA-C	5.14	116.92	110.24
1	B	218	LEU	N-CA-C	-5.12	101.95	109.62
1	F	80	ASP	N-CA-C	-5.07	102.39	109.69
1	C	248	TYR	N-CA-C	-5.05	103.04	110.52
1	E	70	VAL	N-CA-C	5.04	115.23	107.77
1	B	272	LYS	N-CA-C	-5.04	103.88	110.53
1	C	282	ILE	N-CA-C	-5.03	105.80	110.53
1	B	64	ALA	N-CA-C	-5.02	105.28	111.40

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	3248	0	3291	185	3143
1	B	3248	0	3291	199	4212
1	C	3248	0	3291	190	2384
1	D	3248	0	3291	191	3911
1	E	3248	0	3291	191	4218
1	F	3248	0	3291	184	2554
2	A	1	0	0	0	0
2	B	1	0	0	0	1
2	C	1	0	0	0	0
2	D	1	0	0	0	0
2	E	1	0	0	0	0
2	F	1	0	0	0	0
3	A	48	0	26	13	54
3	B	48	0	26	13	10
3	C	48	0	26	11	4
3	D	48	0	26	12	12
3	E	48	0	26	11	0
3	F	48	0	26	10	109
4	A	10	0	4	7	4
4	B	10	0	4	6	5
4	C	10	0	4	6	4
4	D	10	0	4	5	0
4	E	10	0	4	6	1
4	F	10	0	4	5	0
5	A	26	0	0	4	33
5	B	22	0	0	2	29
5	C	47	0	0	1	30
5	D	49	0	0	4	38
5	E	30	0	0	4	44
5	F	53	0	0	9	41
All	All	20069	0	19926	1099	10959

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 28.

All (1099) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:7:VAL:HG21	1:E:38:VAL:HG12	1.39	1.02
1:F:213:THR:HG23	1:F:215:ASN:H	1.27	0.98
1:E:53:THR:HG21	1:E:57:ILE:HG22	1.48	0.96
1:C:301:ASP:HB3	1:C:303:LYS:HG2	1.46	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:153:LEU:HD12	1:E:172:VAL:HB	1.47	0.95
1:E:116:PRO:HB2	1:E:370:GLN:HE22	1.32	0.95
1:F:405:LEU:HD22	1:F:409:ILE:HD11	1.47	0.94
1:C:327:THR:HG22	1:C:394:THR:OG1	1.69	0.93
1:D:7:VAL:HG21	1:D:38:VAL:HG12	1.50	0.93
1:E:327:THR:HG22	1:E:394:THR:OG1	1.69	0.93
1:A:319:ARG:HH11	1:A:322:GLN:HE22	1.17	0.92
1:A:19:MET:HE2	1:A:318:TYR:HA	1.49	0.91
1:E:10:PRO:HG2	1:E:68:TYR:CD2	2.04	0.91
1:A:256:MET:HG3	1:A:269:MET:HE3	1.50	0.91
1:A:405:LEU:HD22	1:A:409:ILE:HD11	1.52	0.91
3:C:1301:NDP:H42N	4:C:1302:AKG:H41	1.53	0.91
1:C:213:THR:HG23	1:C:222:ASP:HB3	1.54	0.89
1:F:7:VAL:HG21	1:F:38:VAL:HG12	1.52	0.89
1:B:319:ARG:HH11	1:B:322:GLN:NE2	1.71	0.89
1:B:297:LEU:HD12	1:B:298:VAL:N	1.88	0.88
1:C:319:ARG:HH11	1:C:322:GLN:NE2	1.70	0.88
1:D:213:THR:HG23	1:D:222:ASP:HB3	1.55	0.88
1:B:213:THR:HG22	1:B:215:ASN:H	1.36	0.87
1:F:116:PRO:HB2	1:F:370:GLN:HE22	1.38	0.87
1:B:319:ARG:NH1	1:B:322:GLN:HE22	1.71	0.87
1:C:36:LEU:HB3	1:C:38:VAL:HG13	1.58	0.86
1:F:405:LEU:O	1:F:409:ILE:HG13	1.76	0.86
1:B:116:PRO:HB2	1:B:370:GLN:HE22	1.39	0.86
1:C:405:LEU:HD22	1:C:409:ILE:HD11	1.58	0.85
1:E:301:ASP:HB3	1:E:303:LYS:HG2	1.58	0.85
1:B:294:THR:HG21	1:B:340:ARG:HH12	1.42	0.85
1:A:213:THR:HG23	1:A:222:ASP:HB3	1.59	0.85
1:B:330:ASN:ND2	1:B:332:ILE:H	1.74	0.85
1:A:319:ARG:HH11	1:A:322:GLN:NE2	1.75	0.84
1:D:24:TRP:HH2	1:D:72:ILE:HG22	1.42	0.84
1:B:319:ARG:HH11	1:B:322:GLN:HE22	0.86	0.84
1:E:171:LYS:HE2	1:E:174:ASP:OD1	1.76	0.83
1:A:130:ILE:HB	1:A:268:ILE:HG12	1.60	0.83
1:B:405:LEU:HD22	1:B:409:ILE:HD11	1.59	0.83
3:A:1101:NDP:H42N	4:A:1102:AKG:H41	1.61	0.82
1:B:121:LEU:HD12	1:B:285:GLN:O	1.80	0.82
1:E:123:PRO:HG2	1:F:123:PRO:HG2	1.62	0.81
1:C:213:THR:HG22	1:C:215:ASN:H	1.45	0.81
3:F:1601:NDP:H42N	4:F:1602:AKG:H42	1.63	0.81
1:A:405:LEU:O	1:A:409:ILE:HG13	1.80	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:C:1301:NDP:O3B	3:C:1301:NDP:P2B	2.40	0.80
3:A:1101:NDP:HO3A	3:A:1101:NDP:P2B	2.05	0.80
1:B:388:ARG:O	1:B:388:ARG:HD3	1.82	0.80
1:E:7:VAL:CG2	1:E:38:VAL:HG12	2.12	0.80
1:B:319:ARG:HD3	1:B:322:GLN:NE2	1.97	0.79
1:C:53:THR:HG21	1:C:57:ILE:HG22	1.64	0.79
1:C:213:THR:CG2	1:C:222:ASP:HB3	2.12	0.79
1:B:19:MET:HE2	1:B:318:TYR:HA	1.63	0.79
1:E:254:ASP:HB3	1:F:281:ASP:OD1	1.83	0.79
1:D:213:THR:CG2	1:D:222:ASP:HB3	2.13	0.79
3:D:1401:NDP:H42N	4:D:1402:AKG:H41	1.65	0.78
3:A:1101:NDP:P2B	3:A:1101:NDP:O3B	2.42	0.78
1:E:10:PRO:HG2	1:E:68:TYR:HD2	1.45	0.78
1:B:301:ASP:HB3	1:B:303:LYS:HG2	1.66	0.78
1:B:213:THR:HB	1:B:250:HIS:NE2	1.99	0.78
1:C:116:PRO:HB2	1:C:370:GLN:HE22	1.49	0.78
1:B:213:THR:HG23	1:B:222:ASP:HB3	1.66	0.78
3:F:1601:NDP:C4N	4:F:1602:AKG:H42	2.14	0.77
3:A:1101:NDP:H42N	4:A:1102:AKG:C4	2.14	0.77
3:C:1301:NDP:H42N	4:C:1302:AKG:C4	2.14	0.77
1:D:117:ARG:H	1:D:370:GLN:HE22	1.33	0.77
3:B:1201:NDP:O3B	3:B:1201:NDP:P2B	2.43	0.77
1:C:319:ARG:HH11	1:C:322:GLN:HE22	1.33	0.77
1:B:367:ASN:HB3	1:B:371:GLN:HG3	1.65	0.76
1:D:7:VAL:CG2	1:D:38:VAL:HG12	2.13	0.76
1:C:251:ARG:NE	1:D:316:ARG:HH22	1.83	0.76
1:F:7:VAL:CG2	1:F:38:VAL:HG12	2.15	0.76
1:C:92:MET:HE3	1:D:219:LYS:HD3	1.68	0.76
1:F:153:LEU:HD12	1:F:172:VAL:HB	1.68	0.75
1:C:219:LYS:HD3	1:D:92:MET:HE3	1.68	0.75
1:B:387:GLU:HG3	1:B:390:ALA:HB2	1.69	0.75
1:E:4:LYS:HE2	1:E:34:PRO:O	1.85	0.75
1:F:213:THR:HG23	1:F:214:LYS:N	2.02	0.74
1:D:323:LYS:HE3	1:D:325:GLU:OE2	1.87	0.74
1:B:7:VAL:HG21	1:B:38:VAL:HG12	1.70	0.74
3:E:1501:NDP:C4N	4:E:1502:AKG:H42	2.17	0.74
1:A:116:PRO:HB2	1:A:370:GLN:HE22	1.52	0.74
1:E:405:LEU:O	1:E:409:ILE:HG13	1.88	0.74
1:C:35:TYR:CE2	1:C:409:ILE:HD13	2.23	0.74
1:E:327:THR:HG22	1:E:394:THR:HG1	1.50	0.74
1:E:356:LYS:O	1:E:360:ILE:HG13	1.88	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:196:HIS:O	1:E:200:LYS:HG3	1.89	0.73
1:E:202:ALA:HA	1:E:268:ILE:HD12	1.71	0.73
1:B:330:ASN:HD21	1:B:332:ILE:HG13	1.51	0.73
1:B:330:ASN:HD22	1:B:332:ILE:H	1.35	0.73
1:C:24:TRP:HH2	1:C:72:ILE:HG22	1.52	0.73
1:D:297:LEU:HD12	1:D:298:VAL:N	2.04	0.73
1:D:108:VAL:HG23	1:D:135:ALA:HB2	1.69	0.73
1:C:116:PRO:HD2	1:C:370:GLN:NE2	2.03	0.73
1:F:10:PRO:HG2	1:F:68:TYR:CD2	2.23	0.73
1:B:53:THR:HG21	1:B:57:ILE:HG22	1.70	0.72
1:C:19:MET:HE2	1:C:318:TYR:HA	1.70	0.72
1:D:330:ASN:HD21	1:D:332:ILE:CG1	2.02	0.72
1:C:24:TRP:CH2	1:C:72:ILE:HG22	2.24	0.72
1:D:19:MET:HE2	1:D:318:TYR:HA	1.71	0.72
1:D:238:LYS:O	1:D:242:GLU:HG3	1.89	0.72
1:D:24:TRP:CH2	1:D:72:ILE:HG22	2.25	0.72
1:D:201:LEU:CD2	1:D:205:LYS:HG3	2.19	0.72
1:E:121:LEU:HD13	1:F:262:LYS:HA	1.71	0.72
1:C:330:ASN:HD21	1:C:332:ILE:HG13	1.53	0.72
1:F:53:THR:HG21	1:F:57:ILE:HG22	1.70	0.71
1:E:219:LYS:HD3	1:F:92:MET:HE3	1.71	0.71
1:E:323:LYS:HE3	1:E:325:GLU:OE2	1.90	0.71
1:C:44:ASP:O	1:C:57:ILE:HD13	1.90	0.71
1:E:146:LEU:CD1	1:F:220:LYS:HB3	2.20	0.71
3:F:1601:NDP:H42N	4:F:1602:AKG:C4	2.19	0.71
1:E:31:LEU:HD22	1:E:405:LEU:HD12	1.73	0.71
1:A:188:ASP:OD1	1:A:228:ILE:HD11	1.91	0.71
1:B:294:THR:HG21	1:B:340:ARG:NH1	2.06	0.71
1:F:224:ARG:NH1	1:F:228:ILE:HG13	2.05	0.71
1:B:79:PRO:HG2	1:B:93:TRP:O	1.91	0.70
1:B:213:THR:CG2	1:B:214:LYS:N	2.53	0.70
1:D:330:ASN:HD21	1:D:332:ILE:HG13	1.55	0.70
1:E:109:PHE:CE1	1:E:201:LEU:HD12	2.26	0.70
1:F:28:LYS:HE3	5:F:1623:HOH:O	1.91	0.70
1:C:182:MET:HE1	1:D:218:LEU:CD2	2.22	0.70
3:B:1201:NDP:H42N	4:B:1202:AKG:C4	2.21	0.70
1:C:5:ILE:HB	1:C:36:LEU:HD23	1.73	0.70
1:C:182:MET:HE1	1:D:218:LEU:HD21	1.74	0.70
1:E:213:THR:HG23	1:E:214:LYS:N	2.07	0.70
1:B:116:PRO:HD2	1:B:370:GLN:NE2	2.06	0.70
1:C:254:ASP:HB3	1:D:281:ASP:OD1	1.92	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:19:MET:HE2	1:E:318:TYR:HA	1.73	0.70
1:F:102:ASN:HB2	5:F:1654:HOH:O	1.92	0.70
1:F:139:GLN:HA	1:F:142:ALA:HB2	1.74	0.69
1:D:336:PHE:CE2	1:D:362:GLU:HG2	2.27	0.69
3:C:1301:NDP:C4N	4:C:1302:AKG:H41	2.22	0.69
1:C:10:PRO:HG2	1:C:68:TYR:CD2	2.27	0.69
1:B:213:THR:HG22	1:B:215:ASN:N	2.08	0.69
1:D:36:LEU:HB3	1:D:38:VAL:HG13	1.72	0.69
1:B:319:ARG:HA	1:B:322:GLN:HE21	1.56	0.69
1:E:100:ILE:HG21	1:E:306:GLU:OE2	1.93	0.69
1:F:213:THR:HG23	1:F:215:ASN:N	2.04	0.69
1:F:117:ARG:HB2	1:F:370:GLN:OE1	1.93	0.69
1:A:53:THR:HG21	1:A:57:ILE:HG22	1.75	0.68
1:B:213:THR:CG2	1:B:222:ASP:HB3	2.23	0.68
1:C:19:MET:CE	1:C:318:TYR:HA	2.23	0.68
1:A:116:PRO:HB2	1:A:370:GLN:NE2	2.08	0.68
1:B:175:TYR:OH	1:B:181:ALA:HB2	1.92	0.68
1:B:116:PRO:HD2	1:B:370:GLN:HE21	1.58	0.68
1:B:201:LEU:O	1:B:201:LEU:HD23	1.94	0.68
1:C:405:LEU:HD22	1:C:409:ILE:CD1	2.24	0.68
1:F:330:ASN:HD21	1:F:332:ILE:HG13	1.57	0.68
1:A:323:LYS:HE3	1:A:325:GLU:OE2	1.93	0.68
1:D:213:THR:HB	1:D:250:HIS:NE2	2.09	0.68
1:B:7:VAL:CG2	1:B:38:VAL:HG12	2.23	0.68
1:A:10:PRO:HG2	1:A:68:TYR:CD2	2.29	0.67
1:C:157:TYR:HB3	1:C:168:GLN:HB2	1.75	0.67
3:E:1501:NDP:H42N	4:E:1502:AKG:H42	1.77	0.67
1:C:213:THR:HB	1:C:250:HIS:NE2	2.10	0.67
1:F:356:LYS:O	1:F:360:ILE:HG13	1.95	0.67
1:B:405:LEU:O	1:B:409:ILE:HG13	1.95	0.67
1:F:213:THR:CG2	1:F:215:ASN:H	2.05	0.67
1:B:116:PRO:HB2	1:B:370:GLN:NE2	2.08	0.67
1:C:301:ASP:CB	1:C:303:LYS:HG2	2.23	0.67
1:E:301:ASP:HB3	1:E:303:LYS:CG	2.25	0.67
1:C:171:LYS:HE2	1:C:174:ASP:OD1	1.94	0.67
1:A:327:THR:HG22	1:A:394:THR:OG1	1.94	0.67
1:E:188:ASP:O	1:E:192:GLU:HG3	1.95	0.67
1:A:125:TRP:HZ3	1:A:286:GLY:HA3	1.60	0.66
1:B:330:ASN:HD21	1:B:332:ILE:CG1	2.08	0.66
1:C:218:LEU:HD11	1:D:139:GLN:HB2	1.77	0.66
1:A:248:TYR:O	1:A:249:GLU:HB2	1.95	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:241:PHE:CD2	1:A:246:ILE:HG13	2.31	0.66
1:C:188:ASP:OD1	1:C:228:ILE:HD11	1.95	0.66
1:A:213:THR:CG2	1:A:222:ASP:HB3	2.24	0.66
3:F:1601:NDP:P2B	3:F:1601:NDP:O3B	2.53	0.66
1:B:238:LYS:O	1:B:242:GLU:HG3	1.96	0.66
1:E:388:ARG:O	1:E:388:ARG:HD3	1.96	0.66
1:C:297:LEU:HB3	1:C:306:GLU:HB3	1.78	0.66
1:E:127:LYS:HD3	1:E:266:GLY:HA3	1.78	0.66
1:E:92:MET:HG2	1:F:219:LYS:HD3	1.77	0.66
1:B:13:GLU:C	1:B:14:LEU:HD23	2.20	0.65
1:E:53:THR:HG21	1:E:57:ILE:CG2	2.24	0.65
1:F:405:LEU:CD2	1:F:409:ILE:HD11	2.22	0.65
1:D:327:THR:HG22	1:D:394:THR:OG1	1.96	0.65
1:D:201:LEU:HD23	1:D:205:LYS:HG3	1.78	0.65
1:D:111:GLU:HB2	1:D:112:PRO:HD2	1.76	0.65
1:B:247:HIS:HB3	5:B:1211:HOH:O	1.97	0.65
1:C:145:THR:HA	1:D:220:LYS:HD3	1.79	0.65
1:E:171:LYS:HE2	1:E:174:ASP:CG	2.20	0.65
1:E:301:ASP:CB	1:E:303:LYS:HG2	2.24	0.65
1:F:49:SER:O	1:F:53:THR:HG22	1.97	0.65
1:C:14:LEU:N	1:C:14:LEU:HD23	2.11	0.65
1:C:7:VAL:CG2	1:C:38:VAL:HG12	2.27	0.65
1:F:138:ASP:HB3	1:F:139:GLN:OE1	1.97	0.65
1:C:72:ILE:HD11	1:C:341:GLY:HA3	1.79	0.65
1:A:109:PHE:CE1	1:A:201:LEU:HD12	2.32	0.64
1:B:67:LYS:HD3	1:B:68:TYR:CE1	2.33	0.64
3:B:1201:NDP:H42N	4:B:1202:AKG:H41	1.78	0.64
4:F:1602:AKG:H32	5:F:1618:HOH:O	1.97	0.64
1:F:330:ASN:HD21	1:F:332:ILE:CG1	2.10	0.64
1:A:102:ASN:ND2	1:A:141:LYS:HG3	2.12	0.64
1:B:297:LEU:HD12	1:B:297:LEU:C	2.22	0.64
1:B:319:ARG:HD3	1:B:322:GLN:HE21	1.60	0.64
1:C:319:ARG:HD3	1:C:322:GLN:HE21	1.62	0.64
1:F:308:GLU:HG3	1:F:309:ALA:O	1.98	0.64
1:A:7:VAL:HG21	1:A:38:VAL:HG12	1.80	0.64
1:B:53:THR:HG21	1:B:57:ILE:CG2	2.27	0.64
1:D:76:THR:O	3:D:1401:NDP:H2N	1.98	0.64
1:E:116:PRO:CB	1:E:370:GLN:HE22	2.09	0.64
1:F:393:THR:HG23	5:F:1639:HOH:O	1.96	0.64
1:C:251:ARG:NE	1:D:316:ARG:NH2	2.46	0.63
1:A:343:LEU:HG	1:A:358:ALA:CB	2.27	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:78:THR:OG1	1:C:95:SER:HB2	1.98	0.63
1:A:254:ASP:HB3	1:B:281:ASP:OD1	1.98	0.63
1:B:10:PRO:HG2	1:B:68:TYR:CD2	2.34	0.63
1:D:117:ARG:N	1:D:370:GLN:HE22	1.96	0.63
1:D:213:THR:HG22	1:D:215:ASN:H	1.62	0.63
1:A:116:PRO:HD2	1:A:370:GLN:NE2	2.13	0.63
1:D:49:SER:O	1:D:53:THR:HG22	1.97	0.63
1:E:409:ILE:C	1:E:411:SER:H	2.04	0.63
1:F:251:ARG:HD2	1:F:255:ASP:OD1	1.99	0.63
1:A:213:THR:CG2	1:A:214:LYS:N	2.61	0.63
3:A:1101:NDP:C4N	4:A:1102:AKG:H41	2.28	0.63
1:A:31:LEU:HD22	1:A:405:LEU:HD12	1.80	0.63
1:B:330:ASN:HD22	1:B:330:ASN:C	2.07	0.63
1:D:172:VAL:O	1:D:173:TYR:HB2	1.99	0.63
1:D:6:LYS:HA	1:D:37:ASP:HB3	1.81	0.63
1:A:68:TYR:O	1:A:345:ARG:NH1	2.30	0.62
1:C:92:MET:CE	1:D:219:LYS:HD3	2.29	0.62
1:A:13:GLU:C	1:A:14:LEU:HD23	2.24	0.62
1:B:7:VAL:HG21	1:B:38:VAL:CG1	2.29	0.62
1:C:108:VAL:HG23	1:C:135:ALA:HB2	1.81	0.62
3:C:1301:NDP:H42N	4:C:1302:AKG:C2	2.29	0.62
1:D:206:LYS:HG2	1:D:244:LEU:HD22	1.81	0.62
1:B:20:THR:OG1	1:B:75:ALA:HB3	2.00	0.62
1:D:19:MET:HE2	1:D:318:TYR:CA	2.29	0.62
1:A:153:LEU:HD12	1:A:172:VAL:HB	1.82	0.62
1:B:35:TYR:CE2	1:B:409:ILE:HD13	2.33	0.62
1:A:228:ILE:O	1:A:232:VAL:HG23	1.99	0.62
1:B:330:ASN:HD22	1:B:331:SER:N	1.98	0.62
1:C:388:ARG:O	1:C:388:ARG:HD3	2.00	0.62
1:D:213:THR:HG22	1:D:215:ASN:N	2.15	0.62
1:C:7:VAL:HG21	1:C:38:VAL:HG12	1.82	0.61
1:C:256:MET:HG3	1:C:269:MET:HE3	1.81	0.61
1:D:387:GLU:HG3	1:D:390:ALA:HB2	1.82	0.61
1:B:116:PRO:CB	1:B:370:GLN:HE22	2.12	0.61
1:B:251:ARG:HG3	1:B:251:ARG:HH11	1.65	0.61
1:E:372:ASP:OD2	1:E:404:ARG:NE	2.32	0.61
1:B:340:ARG:HG3	1:B:340:ARG:HH11	1.65	0.61
1:C:356:LYS:O	1:C:360:ILE:HG13	1.99	0.61
3:D:1401:NDP:P2B	3:D:1401:NDP:O3B	2.57	0.61
1:E:372:ASP:HB2	1:E:374:ILE:HD12	1.82	0.61
1:F:78:THR:OG1	1:F:95:SER:HB2	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:21:ARG:NH2	1:B:44:ASP:OD1	2.34	0.61
1:E:38:VAL:HG23	1:E:40:LEU:HG	1.83	0.61
1:F:81:GLU:HB2	5:F:1650:HOH:O	1.99	0.61
1:E:119:PRO:C	1:E:120:ARG:HG3	2.24	0.61
1:E:213:THR:CG2	1:E:215:ASN:H	2.14	0.61
3:D:1401:NDP:C4N	4:D:1402:AKG:H41	2.30	0.61
1:F:327:THR:HG22	1:F:328:SER:N	2.14	0.61
1:F:336:PHE:HA	1:F:339:SER:OG	2.01	0.61
1:D:29:LYS:O	1:D:34:PRO:HD3	2.00	0.61
3:E:1501:NDP:H42N	4:E:1502:AKG:C4	2.30	0.61
1:C:145:THR:HA	1:D:220:LYS:CD	2.31	0.61
1:E:387:GLU:HG3	1:E:390:ALA:HB2	1.82	0.61
1:F:175:TYR:OH	1:F:181:ALA:HB2	2.00	0.61
1:A:140:TYR:HE1	1:A:274:TYR:HA	1.65	0.60
1:A:248:TYR:CG	1:A:249:GLU:N	2.68	0.60
1:E:349:ASP:O	1:E:350:ASN:HB2	2.00	0.60
1:A:220:LYS:HB3	1:B:146:LEU:HD12	1.83	0.60
3:B:1201:NDP:H42N	4:B:1202:AKG:C2	2.31	0.60
1:C:220:LYS:HD2	1:D:144:ASP:O	2.01	0.60
1:C:343:LEU:O	1:C:347:GLU:HG3	2.01	0.60
1:D:203:ILE:HG23	1:D:244:LEU:HD11	1.81	0.60
1:F:10:PRO:HG2	1:F:68:TYR:HD2	1.66	0.60
1:A:187:THR:O	1:A:191:ILE:HG13	2.00	0.60
1:A:299:THR:OG1	1:A:304:THR:HB	2.01	0.60
1:C:19:MET:HE1	1:C:321:TYR:HB2	1.82	0.60
3:C:1301:NDP:O3B	3:C:1301:NDP:O1X	2.18	0.60
1:E:8:LYS:HB3	1:E:349:ASP:HB3	1.81	0.60
1:E:153:LEU:C	1:E:154:GLU:HG3	2.26	0.60
1:A:50:ARG:HA	1:A:53:THR:HG22	1.81	0.60
1:C:53:THR:HG21	1:C:57:ILE:CG2	2.31	0.60
1:C:213:THR:HG22	1:C:215:ASN:N	2.16	0.60
1:D:343:LEU:O	1:D:347:GLU:HG3	2.01	0.60
1:A:2:PHE:N	1:A:2:PHE:CD2	2.67	0.60
1:B:377:LYS:HE2	1:B:381:LEU:HD11	1.83	0.60
1:D:124:ARG:HB3	5:D:1421:HOH:O	2.01	0.60
1:E:301:ASP:OD2	1:E:303:LYS:HD3	2.02	0.60
1:C:285:GLN:HG2	1:D:258:ALA:O	2.02	0.60
1:A:155:LEU:HD23	1:B:183:ALA:HB2	1.83	0.60
1:D:256:MET:HE3	1:D:256:MET:HA	1.84	0.60
1:E:301:ASP:HB3	1:E:303:LYS:CD	2.32	0.60
1:D:116:PRO:HB2	1:D:370:GLN:NE2	2.17	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:301:ASP:CB	1:A:303:LYS:HG2	2.32	0.59
1:B:405:LEU:HD22	1:B:409:ILE:CD1	2.32	0.59
1:E:35:TYR:CE2	1:E:409:ILE:HD12	2.37	0.59
1:E:81:GLU:HB2	5:E:1527:HOH:O	2.02	0.59
1:D:78:THR:OG1	1:D:95:SER:HB2	2.02	0.59
3:E:1501:NDP:P2B	3:E:1501:NDP:O3B	2.60	0.59
1:A:319:ARG:NH1	1:A:322:GLN:HE22	1.93	0.59
1:C:144:ASP:OD2	1:D:220:LYS:HB2	2.02	0.59
1:F:13:GLU:C	1:F:14:LEU:HD23	2.26	0.59
1:B:19:MET:HE2	1:B:318:TYR:CA	2.31	0.59
1:F:121:LEU:HD12	1:F:285:GLN:O	2.03	0.59
1:F:201:LEU:HD22	1:F:268:ILE:HD11	1.83	0.59
1:B:251:ARG:HG3	1:B:251:ARG:NH1	2.17	0.59
1:E:338:TRP:O	1:E:342:LEU:HG	2.01	0.59
1:A:213:THR:HG22	1:A:215:ASN:H	1.66	0.59
1:B:356:LYS:O	1:B:360:ILE:HG13	2.03	0.59
1:D:330:ASN:ND2	1:D:332:ILE:HG13	2.17	0.59
1:F:195:ALA:HA	1:F:229:PHE:CZ	2.37	0.59
1:A:146:LEU:CD1	1:B:220:LYS:HB3	2.33	0.59
1:E:131:ILE:HD13	1:E:269:MET:HB2	1.83	0.59
1:B:402:GLU:O	1:B:406:GLN:HG3	2.02	0.59
1:C:116:PRO:CB	1:C:370:GLN:HE22	2.16	0.59
1:C:251:ARG:CD	1:D:316:ARG:HH22	2.15	0.59
1:E:372:ASP:CG	1:E:404:ARG:HE	2.11	0.59
1:A:19:MET:HE1	1:A:321:TYR:HB2	1.85	0.59
1:A:256:MET:CG	1:A:269:MET:HE3	2.29	0.59
1:D:35:TYR:CE2	1:D:409:ILE:HD12	2.38	0.59
1:D:330:ASN:ND2	1:D:332:ILE:H	2.01	0.59
1:E:405:LEU:HD22	1:E:409:ILE:HD11	1.85	0.59
1:B:44:ASP:O	1:B:57:ILE:HD13	2.03	0.58
1:E:251:ARG:HD3	1:F:316:ARG:HH22	1.68	0.58
1:E:352:PRO:O	1:E:356:LYS:HG3	2.03	0.58
3:E:1501:NDP:H42N	4:E:1502:AKG:C2	2.33	0.58
1:A:219:LYS:HD3	1:B:92:MET:HE3	1.85	0.58
1:D:153:LEU:HD12	1:D:172:VAL:HB	1.85	0.58
1:D:211:LEU:HD22	1:D:212:SER:N	2.18	0.58
1:D:336:PHE:CZ	1:D:362:GLU:HG2	2.38	0.58
3:F:1601:NDP:O3X	3:F:1601:NDP:H3B	2.04	0.58
1:C:2:PHE:N	1:C:2:PHE:CD2	2.70	0.58
1:E:330:ASN:HD21	1:E:332:ILE:HG13	1.68	0.58
1:F:301:ASP:HB3	1:F:303:LYS:CD	2.32	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:330:ASN:HD22	1:C:331:SER:N	2.02	0.58
1:E:213:THR:CG2	1:E:214:LYS:N	2.66	0.58
1:C:144:ASP:O	1:D:220:LYS:HD2	2.04	0.58
1:F:147:ILE:HG13	1:F:175:TYR:CZ	2.38	0.58
1:B:213:THR:HG22	1:B:214:LYS:N	2.17	0.58
1:E:319:ARG:HH11	1:E:322:GLN:NE2	2.02	0.58
1:F:405:LEU:HD22	1:F:409:ILE:CD1	2.27	0.58
1:C:213:THR:HG21	1:C:215:ASN:HB3	1.86	0.58
1:C:388:ARG:HD3	1:C:388:ARG:C	2.28	0.58
1:D:116:PRO:HD2	1:D:370:GLN:HE21	1.67	0.58
3:E:1501:NDP:C5N	4:E:1502:AKG:H42	2.34	0.58
1:B:213:THR:HG23	1:B:214:LYS:H	1.68	0.58
1:C:251:ARG:HE	1:D:316:ARG:NH2	2.02	0.58
1:F:153:LEU:HD12	1:F:172:VAL:CB	2.34	0.58
1:B:161:ASP:C	1:B:163:THR:H	2.11	0.57
1:D:201:LEU:HD23	1:D:201:LEU:O	2.03	0.57
1:D:213:THR:CG2	1:D:214:LYS:N	2.67	0.57
1:C:50:ARG:HA	1:C:53:THR:HG22	1.86	0.57
1:C:203:ILE:HG23	1:C:244:LEU:HD11	1.86	0.57
1:C:213:THR:CG2	1:C:215:ASN:HB3	2.35	0.57
1:D:14:LEU:HD21	1:D:65:ILE:HD11	1.85	0.57
1:A:116:PRO:HD2	1:A:370:GLN:HE21	1.68	0.57
1:B:108:VAL:HG23	1:B:135:ALA:HB2	1.87	0.57
1:D:53:THR:HG21	1:D:57:ILE:HB	1.86	0.57
1:B:16:GLY:HA3	1:B:75:ALA:O	2.05	0.57
1:B:117:ARG:HB2	1:B:370:GLN:OE1	2.03	0.57
1:D:19:MET:HE2	1:D:318:TYR:N	2.20	0.57
1:F:312:GLY:N	3:F:1601:NDP:O1A	2.35	0.57
1:B:301:ASP:CB	1:B:303:LYS:HG2	2.34	0.57
1:D:201:LEU:HD21	1:D:205:LYS:HG3	1.86	0.57
1:A:404:ARG:NH1	1:A:408:GLU:OE2	2.33	0.57
1:C:213:THR:CG2	1:C:214:LYS:N	2.67	0.57
1:F:330:ASN:HD22	1:F:332:ILE:H	1.52	0.57
1:B:166:GLN:HB3	1:B:167:PRO:HD2	1.86	0.56
1:C:178:SER:O	1:D:188:ASP:HB2	2.04	0.56
1:E:281:ASP:OD1	1:F:254:ASP:HB3	2.05	0.56
1:A:92:MET:CE	1:B:219:LYS:HB3	2.36	0.56
1:B:388:ARG:HD3	1:B:388:ARG:C	2.31	0.56
1:C:139:GLN:HB3	1:C:184:MET:HE1	1.86	0.56
1:E:87:PHE:HB2	1:E:89:LEU:HD21	1.86	0.56
1:C:201:LEU:HD22	1:C:268:ILE:HD11	1.88	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:404:ARG:HB2	5:C:1330:HOH:O	2.05	0.56
1:E:124:ARG:HH11	1:F:121:LEU:HD21	1.71	0.56
1:E:251:ARG:HD3	1:F:316:ARG:NH2	2.20	0.56
1:C:319:ARG:NH1	1:C:322:GLN:HE22	2.04	0.56
1:E:24:TRP:CH2	1:E:72:ILE:HG22	2.41	0.56
1:B:271:LEU:HB3	1:B:275:ASP:HB2	1.86	0.56
1:E:212:SER:OG	1:E:256:MET:HG2	2.05	0.56
1:A:76:THR:O	3:A:1101:NDP:H2N	2.06	0.56
1:A:160:SER:O	1:A:162:PRO:HD3	2.06	0.56
1:B:308:GLU:HG3	1:B:309:ALA:O	2.05	0.56
1:D:120:ARG:CZ	1:D:125:TRP:O	2.54	0.56
1:F:330:ASN:ND2	1:F:332:ILE:H	2.04	0.56
1:B:138:ASP:HB3	1:B:139:GLN:OE1	2.06	0.56
1:C:330:ASN:HD21	1:C:332:ILE:CG1	2.17	0.56
1:E:161:ASP:C	1:E:163:THR:H	2.14	0.56
1:E:164:THR:HG22	1:E:164:THR:O	2.06	0.56
1:D:297:LEU:HD12	1:D:297:LEU:C	2.29	0.55
1:D:2:PHE:N	1:D:2:PHE:CD2	2.74	0.55
3:D:1401:NDP:H42N	4:D:1402:AKG:C4	2.33	0.55
1:F:224:ARG:NH1	1:F:228:ILE:CG1	2.69	0.55
1:B:161:ASP:O	1:B:163:THR:N	2.38	0.55
1:C:13:GLU:C	1:C:14:LEU:HD23	2.30	0.55
1:D:117:ARG:H	1:D:370:GLN:NE2	2.03	0.55
1:F:99:THR:O	1:F:103:ILE:HG13	2.05	0.55
1:F:230:GLN:HE21	1:F:234:GLU:CG	2.20	0.55
3:F:1601:NDP:O3X	3:F:1601:NDP:C3B	2.53	0.55
1:A:147:ILE:HG13	1:A:175:TYR:CZ	2.42	0.55
3:A:1101:NDP:C4N	4:A:1102:AKG:C4	2.83	0.55
1:F:301:ASP:HB3	1:F:303:LYS:HG2	1.88	0.55
1:A:10:PRO:HG2	1:A:68:TYR:HD2	1.71	0.55
1:C:326:GLU:CD	1:C:388:ARG:HH21	2.13	0.55
1:F:172:VAL:O	1:F:173:TYR:HB2	2.05	0.55
1:A:308:GLU:HG3	1:A:309:ALA:O	2.06	0.55
1:C:409:ILE:C	1:C:411:SER:H	2.14	0.55
1:F:330:ASN:ND2	1:F:332:ILE:HG13	2.21	0.55
3:F:1601:NDP:C5N	4:F:1602:AKG:H42	2.35	0.55
1:A:129:ILE:HG13	1:A:287:PHE:HZ	1.72	0.55
1:C:258:ALA:O	1:D:285:GLN:HG2	2.07	0.55
1:D:312:GLY:N	3:D:1401:NDP:O1A	2.37	0.55
1:E:36:LEU:HB3	1:E:38:VAL:HG13	1.88	0.55
1:E:139:GLN:HA	1:E:142:ALA:HB2	1.87	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:314:VAL:HG12	1:D:314:VAL:O	2.07	0.55
1:A:201:LEU:CD2	1:A:205:LYS:HG3	2.37	0.55
1:B:312:GLY:N	3:B:1201:NDP:O1A	2.36	0.55
1:C:201:LEU:HD23	1:C:201:LEU:O	2.06	0.55
3:D:1401:NDP:H3B	3:D:1401:NDP:O3X	2.07	0.55
1:E:279:GLN:O	1:E:283:VAL:HG23	2.06	0.55
1:C:406:GLN:HA	1:C:409:ILE:HD12	1.88	0.55
1:D:374:ILE:HG23	1:D:392:VAL:HG11	1.87	0.55
1:D:388:ARG:O	1:D:388:ARG:HD3	2.07	0.55
1:F:122:VAL:HG11	1:F:125:TRP:CE2	2.42	0.55
1:A:213:THR:HG23	1:A:214:LYS:H	1.72	0.54
1:A:296:ILE:HD11	1:A:344:LYS:HG3	1.89	0.54
1:E:144:ASP:OD2	1:F:220:LYS:HB2	2.06	0.54
1:F:36:LEU:HB3	1:F:38:VAL:HG13	1.89	0.54
1:A:36:LEU:HB3	1:A:38:VAL:HG13	1.89	0.54
3:A:1101:NDP:H42N	4:A:1102:AKG:C2	2.37	0.54
3:A:1101:NDP:C5N	4:A:1102:AKG:H42	2.37	0.54
1:B:17:ASP:OD1	1:B:46:SER:HA	2.08	0.54
1:B:86:GLU:HG2	1:B:87:PHE:CE1	2.43	0.54
1:B:105:GLY:O	1:B:297:LEU:HD11	2.07	0.54
1:C:109:PHE:CE1	1:C:201:LEU:HD12	2.42	0.54
1:C:121:LEU:HD12	1:C:285:GLN:O	2.06	0.54
1:C:218:LEU:CD2	1:D:182:MET:HE1	2.36	0.54
1:E:367:ASN:HB3	1:E:371:GLN:HG3	1.89	0.54
1:A:319:ARG:HD3	1:A:322:GLN:NE2	2.22	0.54
3:A:1101:NDP:O3X	3:A:1101:NDP:C3B	2.55	0.54
1:E:105:GLY:O	1:E:297:LEU:HD11	2.07	0.54
1:B:80:ASP:O	1:B:81:GLU:C	2.49	0.54
1:C:106:GLY:CA	1:C:300:PRO:HD3	2.37	0.54
3:C:1301:NDP:O3X	3:C:1301:NDP:C3B	2.56	0.54
1:E:146:LEU:HD12	1:F:220:LYS:HB3	1.90	0.54
1:D:102:ASN:OD1	1:D:141:LYS:HE3	2.08	0.54
1:E:213:THR:HG21	1:E:215:ASN:HB3	1.89	0.54
1:B:188:ASP:O	1:B:192:GLU:HG3	2.07	0.54
1:E:24:TRP:HH2	1:E:72:ILE:HG22	1.70	0.54
1:E:228:ILE:O	1:E:232:VAL:HG23	2.07	0.54
1:E:388:ARG:HD3	1:E:388:ARG:C	2.33	0.54
1:F:19:MET:HE2	1:F:318:TYR:HA	1.90	0.54
1:E:330:ASN:HD22	1:E:331:SER:N	2.05	0.54
1:D:117:ARG:CZ	1:D:370:GLN:O	2.56	0.54
1:E:213:THR:HG23	1:E:215:ASN:N	2.22	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:124:ARG:O	1:B:264:LYS:HA	2.07	0.54
1:C:387:GLU:HG3	1:C:390:ALA:HB2	1.90	0.54
1:A:369:VAL:HG13	1:A:375:MET:HE2	1.89	0.54
1:C:221:TYR:CE1	1:D:180:VAL:HG23	2.43	0.54
1:F:76:THR:O	3:F:1601:NDP:H2N	2.08	0.54
1:A:14:LEU:HD23	1:A:14:LEU:N	2.22	0.53
1:C:116:PRO:HB2	1:C:370:GLN:NE2	2.19	0.53
1:C:201:LEU:HD22	1:C:268:ILE:CD1	2.38	0.53
1:F:117:ARG:CZ	1:F:370:GLN:O	2.56	0.53
1:B:102:ASN:ND2	1:B:141:LYS:HG3	2.23	0.53
1:C:36:LEU:HB3	1:C:38:VAL:CG1	2.33	0.53
1:C:301:ASP:HB3	1:C:303:LYS:CG	2.27	0.53
1:B:7:VAL:CB	1:B:38:VAL:HG12	2.39	0.53
1:B:86:GLU:HG2	1:B:87:PHE:CD1	2.43	0.53
1:B:213:THR:CG2	1:B:214:LYS:H	2.21	0.53
3:D:1401:NDP:O3X	3:D:1401:NDP:C3B	2.56	0.53
1:F:50:ARG:HA	1:F:53:THR:HG22	1.90	0.53
1:F:54:SER:HA	1:F:93:TRP:CH2	2.43	0.53
1:A:284:ALA:HB2	1:A:293:MET:SD	2.48	0.53
1:B:8:LYS:HD3	1:B:349:ASP:HB3	1.91	0.53
1:C:327:THR:CG2	1:C:394:THR:OG1	2.50	0.53
1:D:27:ILE:HG23	1:D:31:LEU:HD12	1.90	0.53
1:D:199:PHE:CZ	1:D:233:TYR:HB2	2.43	0.53
1:E:73:LYS:HZ3	1:E:76:THR:HG23	1.73	0.53
1:A:220:LYS:HB3	1:B:146:LEU:CD1	2.37	0.53
1:F:238:LYS:O	1:F:242:GLU:HG3	2.09	0.53
1:B:2:PHE:N	1:B:2:PHE:CD2	2.75	0.53
1:B:121:LEU:O	1:B:123:PRO:HD3	2.08	0.53
1:C:259:GLN:NE2	3:D:1401:NDP:O3B	2.41	0.53
1:D:330:ASN:HD22	1:D:331:SER:N	2.06	0.53
1:A:256:MET:HE3	1:A:256:MET:O	2.08	0.53
1:A:297:LEU:HD12	1:A:298:VAL:N	2.23	0.53
1:D:279:GLN:O	1:D:283:VAL:HG23	2.08	0.53
1:D:374:ILE:CG2	1:D:392:VAL:HG11	2.39	0.53
3:E:1501:NDP:O3X	3:E:1501:NDP:H3B	2.09	0.53
1:B:56:LYS:O	1:B:59:GLN:HB2	2.08	0.53
1:A:124:ARG:HD3	1:A:262:LYS:O	2.09	0.53
1:B:409:ILE:O	1:B:409:ILE:HG22	2.09	0.53
1:C:21:ARG:NH2	1:C:44:ASP:OD1	2.42	0.53
1:C:127:LYS:HG3	1:C:128:PRO:HD2	1.90	0.53
1:D:330:ASN:HD21	1:D:332:ILE:CD1	2.21	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:121:LEU:C	1:A:123:PRO:HD3	2.34	0.53
1:E:319:ARG:HH11	1:E:322:GLN:HE22	1.55	0.53
1:A:109:PHE:CD1	1:A:201:LEU:HD12	2.45	0.52
1:D:330:ASN:HD22	1:D:332:ILE:H	1.56	0.52
1:D:364:ALA:HA	1:D:408:GLU:OE2	2.10	0.52
1:E:238:LYS:O	1:E:242:GLU:HG3	2.09	0.52
1:C:106:GLY:HA2	1:C:300:PRO:HD3	1.90	0.52
1:E:92:MET:HE3	1:F:219:LYS:HB3	1.90	0.52
1:A:19:MET:HE2	1:A:318:TYR:CA	2.31	0.52
1:A:301:ASP:HB2	1:A:303:LYS:HG2	1.92	0.52
1:D:305:PHE:N	1:D:305:PHE:CD2	2.78	0.52
1:E:251:ARG:CD	1:F:316:ARG:HH22	2.23	0.52
1:F:12:VAL:HG12	1:F:14:LEU:HD21	1.92	0.52
1:A:24:TRP:CH2	1:A:72:ILE:HG22	2.45	0.52
1:F:393:THR:H	1:F:396:GLU:HB2	1.74	0.52
1:A:213:THR:HG23	1:A:214:LYS:N	2.23	0.52
1:C:178:SER:C	1:D:188:ASP:OD2	2.52	0.52
1:E:213:THR:HG23	1:E:214:LYS:H	1.73	0.52
1:E:316:ARG:HH22	1:F:251:ARG:NE	2.07	0.52
1:F:284:ALA:HB2	1:F:293:MET:SD	2.50	0.52
1:B:121:LEU:C	1:B:123:PRO:HD3	2.34	0.52
1:D:161:ASP:C	1:D:163:THR:H	2.18	0.52
1:B:80:ASP:O	1:B:83:ARG:N	2.43	0.52
1:C:213:THR:HG23	1:C:222:ASP:CB	2.34	0.52
1:C:117:ARG:HB2	1:C:370:GLN:OE1	2.10	0.52
1:C:330:ASN:ND2	1:C:332:ILE:H	2.08	0.52
1:D:117:ARG:HB2	1:D:370:GLN:OE1	2.10	0.52
1:D:397:PHE:O	1:D:401:VAL:HG23	2.10	0.52
1:E:153:LEU:O	1:E:154:GLU:HG3	2.10	0.52
1:A:368:THR:HG22	1:A:374:ILE:HB	1.92	0.51
1:C:284:ALA:HB2	1:C:293:MET:SD	2.49	0.51
1:C:330:ASN:ND2	1:C:332:ILE:HG13	2.22	0.51
1:E:182:MET:HE1	1:F:218:LEU:HD21	1.93	0.51
1:E:220:LYS:HB3	1:F:146:LEU:HD11	1.90	0.51
1:A:24:TRP:HH2	1:A:72:ILE:HG22	1.74	0.51
1:A:50:ARG:HA	1:A:53:THR:CG2	2.40	0.51
1:F:53:THR:HG21	1:F:57:ILE:CG2	2.39	0.51
1:C:183:ALA:HB2	1:D:155:LEU:HD23	1.92	0.51
1:F:201:LEU:HD22	1:F:268:ILE:CD1	2.40	0.51
1:C:251:ARG:CD	1:D:316:ARG:NH2	2.73	0.51
1:E:73:LYS:NZ	1:E:76:THR:HG23	2.26	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:E:1501:NDP:O3X	3:E:1501:NDP:C3B	2.58	0.51
1:A:7:VAL:CG2	1:A:38:VAL:HG12	2.40	0.51
1:A:161:ASP:C	1:A:163:THR:H	2.18	0.51
1:B:116:PRO:CD	1:B:370:GLN:NE2	2.74	0.51
1:B:405:LEU:CD2	1:B:409:ILE:HD11	2.35	0.51
1:C:116:PRO:CD	1:C:370:GLN:NE2	2.74	0.51
1:E:213:THR:HG23	1:E:215:ASN:H	1.76	0.51
1:F:116:PRO:HB2	1:F:370:GLN:NE2	2.18	0.51
1:A:12:VAL:HG12	1:A:14:LEU:HD21	1.93	0.51
1:A:235:ALA:O	1:A:236:GLN:HB3	2.11	0.51
1:B:21:ARG:HH22	1:B:44:ASP:CG	2.18	0.51
1:E:131:ILE:HG23	1:E:271:LEU:HD12	1.93	0.51
1:F:146:LEU:HD12	1:F:146:LEU:N	2.26	0.51
1:B:54:SER:HA	1:B:93:TRP:CH2	2.45	0.51
1:C:139:GLN:HB3	1:C:184:MET:CE	2.41	0.51
1:D:326:GLU:OE1	1:D:388:ARG:NH2	2.37	0.51
1:E:256:MET:CG	1:E:269:MET:HE3	2.40	0.51
1:F:26:LYS:HZ2	1:F:395:GLU:HG3	1.75	0.51
1:B:336:PHE:CE2	1:B:362:GLU:HG2	2.46	0.51
1:A:292:LEU:HD11	1:A:379:LEU:HD21	1.91	0.51
1:C:172:VAL:O	1:C:173:TYR:HB2	2.11	0.51
1:D:2:PHE:N	1:D:2:PHE:HD2	2.08	0.51
1:D:405:LEU:O	1:D:409:ILE:HG13	2.11	0.51
1:F:2:PHE:N	1:F:2:PHE:CD2	2.79	0.51
1:E:220:LYS:HB3	1:F:146:LEU:CD1	2.41	0.50
1:F:22:ILE:HD11	1:F:321:TYR:CE2	2.46	0.50
1:A:281:ASP:OD1	1:B:254:ASP:HB3	2.10	0.50
1:E:104:LEU:O	1:E:299:THR:HG22	2.12	0.50
1:E:153:LEU:HB2	1:E:175:TYR:HE1	1.76	0.50
1:A:220:LYS:HD2	1:B:145:THR:HA	1.92	0.50
1:A:370:GLN:OE1	1:A:370:GLN:HA	2.10	0.50
1:C:10:PRO:HB3	1:C:39:ASP:OD2	2.11	0.50
1:D:202:ALA:HA	1:D:268:ILE:HD12	1.94	0.50
1:F:56:LYS:O	1:F:59:GLN:HB2	2.10	0.50
1:D:90:HIS:CD2	1:D:91:LYS:HG3	2.47	0.50
1:E:313:THR:C	1:E:314:VAL:HG23	2.35	0.50
1:A:211:LEU:CD2	1:A:211:LEU:C	2.85	0.50
1:B:330:ASN:ND2	1:B:332:ILE:HG13	2.24	0.50
1:E:153:LEU:HD12	1:E:172:VAL:CB	2.31	0.50
1:F:7:VAL:HG21	1:F:38:VAL:CG1	2.34	0.50
1:A:116:PRO:CB	1:A:370:GLN:HE22	2.23	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:9:GLN:HA	1:C:9:GLN:OE1	2.12	0.50
1:C:201:LEU:HD23	1:C:205:LYS:HG3	1.93	0.50
1:C:241:PHE:CD2	1:C:246:ILE:HG13	2.46	0.50
1:D:403:LYS:O	1:D:407:LYS:HG2	2.11	0.50
1:F:250:HIS:ND1	1:F:250:HIS:C	2.69	0.50
1:C:80:ASP:O	1:C:81:GLU:C	2.54	0.50
1:B:201:LEU:HD22	1:B:268:ILE:CD1	2.42	0.50
1:D:120:ARG:NH1	5:D:1422:HOH:O	2.44	0.50
1:F:127:LYS:HG3	1:F:128:PRO:HD2	1.93	0.50
1:A:153:LEU:HD21	1:B:155:LEU:HD11	1.93	0.50
1:B:76:THR:O	3:B:1201:NDP:H2N	2.12	0.50
1:B:330:ASN:HD21	1:B:332:ILE:CB	2.24	0.50
1:C:111:GLU:HB2	1:C:112:PRO:HD2	1.94	0.50
1:D:73:LYS:HG2	1:D:74:CYS:O	2.12	0.50
1:D:301:ASP:OD1	1:D:301:ASP:N	2.42	0.50
1:F:26:LYS:NZ	1:F:395:GLU:HG3	2.26	0.50
1:F:297:LEU:O	1:F:305:PHE:HA	2.11	0.50
1:A:10:PRO:CG	1:A:68:TYR:CD2	2.94	0.49
1:C:10:PRO:HG2	1:C:68:TYR:HD2	1.75	0.49
1:C:238:LYS:O	1:C:242:GLU:HG3	2.12	0.49
1:C:405:LEU:O	1:C:409:ILE:HG13	2.11	0.49
1:A:352:PRO:O	1:A:356:LYS:HG3	2.12	0.49
1:D:171:LYS:HE2	1:D:174:ASP:OD1	2.11	0.49
1:A:318:TYR:O	1:A:322:GLN:HG3	2.13	0.49
1:F:35:TYR:CE2	1:F:409:ILE:HD12	2.46	0.49
1:A:50:ARG:CA	1:A:53:THR:HG22	2.42	0.49
1:D:5:ILE:HB	1:D:36:LEU:HD23	1.95	0.49
1:D:213:THR:HG23	1:D:222:ASP:CB	2.35	0.49
1:E:102:ASN:ND2	1:E:141:LYS:HG3	2.27	0.49
1:E:224:ARG:O	1:E:228:ILE:HG13	2.12	0.49
1:F:301:ASP:CB	1:F:303:LYS:HG2	2.42	0.49
1:F:326:GLU:CD	1:F:388:ARG:HH21	2.20	0.49
1:B:50:ARG:HA	1:B:53:THR:HG22	1.92	0.49
1:B:133:ARG:HD2	1:B:277:ASP:N	2.27	0.49
1:C:151:GLY:HA3	1:D:159:PRO:HA	1.95	0.49
1:A:53:THR:HG21	1:A:57:ILE:CG2	2.40	0.49
1:C:274:TYR:O	1:C:278:VAL:HG23	2.13	0.49
1:C:350:ASN:O	1:C:352:PRO:HD2	2.13	0.49
1:F:127:LYS:HD3	1:F:266:GLY:HA3	1.94	0.49
1:D:134:HIS:HB2	1:D:194:PHE:CE1	2.47	0.49
1:D:203:ILE:HG23	1:D:244:LEU:CD1	2.42	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:351:THR:O	1:D:353:ALA:N	2.46	0.49
1:E:343:LEU:O	1:E:347:GLU:HG3	2.12	0.49
1:F:387:GLU:HG3	1:F:390:ALA:HB2	1.94	0.49
1:F:409:ILE:HG22	1:F:409:ILE:O	2.13	0.49
1:A:19:MET:CE	1:A:318:TYR:HA	2.34	0.49
1:A:127:LYS:HD3	1:A:266:GLY:HA3	1.95	0.49
1:B:18:GLU:OE1	1:B:315:THR:OG1	2.25	0.49
1:B:293:MET:HG2	1:B:310:ALA:HB2	1.95	0.49
3:B:1201:NDP:P2B	3:B:1201:NDP:HO3A	2.36	0.49
3:C:1301:NDP:O3X	3:C:1301:NDP:H3B	2.13	0.49
1:D:23:ILE:O	1:D:27:ILE:HG13	2.12	0.49
1:E:50:ARG:HA	1:E:53:THR:HG22	1.93	0.49
1:E:201:LEU:CD2	1:E:205:LYS:HG3	2.43	0.49
1:F:212:SER:OG	1:F:256:MET:HG2	2.13	0.49
1:A:170:LEU:HD11	1:B:145:THR:HG21	1.95	0.49
1:A:203:ILE:HG23	1:A:244:LEU:CD1	2.42	0.49
1:B:7:VAL:HB	1:B:38:VAL:HG12	1.95	0.49
1:C:171:LYS:HE2	1:C:174:ASP:CG	2.38	0.49
1:E:219:LYS:HB3	1:F:92:MET:HE3	1.95	0.49
1:F:72:ILE:HD13	1:F:338:TRP:HA	1.95	0.49
1:D:187:THR:O	1:D:191:ILE:HG13	2.13	0.48
1:F:240:LYS:HG3	5:F:1638:HOH:O	2.13	0.48
1:A:31:LEU:CD2	1:A:405:LEU:HD12	2.42	0.48
1:A:301:ASP:HB3	1:A:303:LYS:HG2	1.94	0.48
1:A:393:THR:HG23	1:A:396:GLU:OE2	2.13	0.48
1:B:249:GLU:OE1	1:B:251:ARG:NE	2.46	0.48
1:D:17:ASP:OD1	1:D:46:SER:HA	2.13	0.48
1:D:131:ILE:HD13	1:D:269:MET:HB2	1.94	0.48
1:A:171:LYS:HE2	1:A:174:ASP:OD1	2.13	0.48
1:A:367:ASN:HB3	1:A:371:GLN:CG	2.44	0.48
1:C:336:PHE:CZ	1:C:362:GLU:HG2	2.49	0.48
1:F:17:ASP:CB	1:F:77:ILE:HG13	2.43	0.48
1:B:251:ARG:HD2	1:B:255:ASP:OD1	2.13	0.48
1:C:251:ARG:HD3	1:D:316:ARG:NH2	2.27	0.48
1:C:284:ALA:HB3	1:C:290:LEU:HD23	1.96	0.48
1:F:388:ARG:O	1:F:388:ARG:HD3	2.13	0.48
1:C:2:PHE:N	1:C:2:PHE:HD2	2.09	0.48
1:E:213:THR:CG2	1:E:215:ASN:HB3	2.43	0.48
1:E:117:ARG:HB2	1:E:370:GLN:OE1	2.14	0.48
1:E:218:LEU:HD21	1:F:182:MET:HE1	1.95	0.48
1:F:224:ARG:HH12	1:F:228:ILE:CG1	2.26	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:187:THR:O	1:E:191:ILE:HG13	2.14	0.48
1:F:330:ASN:HD22	1:F:331:SER:N	2.11	0.48
1:A:319:ARG:HD3	1:A:322:GLN:HE21	1.77	0.48
1:E:183:ALA:HB2	1:F:155:LEU:HD23	1.96	0.48
1:F:292:LEU:HD11	1:F:379:LEU:CD2	2.43	0.48
1:A:129:ILE:HG13	1:A:287:PHE:CZ	2.48	0.48
1:B:283:VAL:HG12	1:B:293:MET:HE1	1.96	0.48
1:C:121:LEU:C	1:C:123:PRO:HD3	2.38	0.48
1:E:316:ARG:HH22	1:F:251:ARG:CD	2.27	0.48
1:F:201:LEU:HD23	1:F:201:LEU:O	2.14	0.48
1:A:153:LEU:HD12	1:A:172:VAL:CB	2.44	0.47
1:B:55:ASP:HB2	1:B:93:TRP:CE3	2.49	0.47
1:B:405:LEU:HD13	1:B:409:ILE:HD11	1.96	0.47
1:D:9:GLN:OE1	1:D:9:GLN:HA	2.13	0.47
1:D:134:HIS:O	1:D:273:ASN:HA	2.13	0.47
1:E:146:LEU:HD11	1:F:220:LYS:HB3	1.93	0.47
1:F:12:VAL:HG12	1:F:14:LEU:CD2	2.44	0.47
1:F:134:HIS:HB2	1:F:194:PHE:CE1	2.49	0.47
1:F:230:GLN:O	1:F:234:GLU:HG3	2.14	0.47
1:F:372:ASP:CG	1:F:404:ARG:HE	2.22	0.47
1:A:159:PRO:HA	1:B:151:GLY:HA3	1.96	0.47
1:A:258:ALA:O	1:B:285:GLN:HG2	2.14	0.47
1:B:119:PRO:C	1:B:120:ARG:HG3	2.39	0.47
3:B:1201:NDP:O3B	3:B:1201:NDP:O1X	2.31	0.47
1:E:111:GLU:HB3	1:E:130:ILE:HG12	1.96	0.47
1:E:175:TYR:OH	1:E:181:ALA:HB2	2.14	0.47
1:D:188:ASP:O	1:D:192:GLU:HG3	2.13	0.47
1:E:2:PHE:N	1:E:2:PHE:CD2	2.81	0.47
1:E:326:GLU:CD	1:E:388:ARG:HH21	2.22	0.47
1:E:191:ILE:HG21	1:E:228:ILE:HD12	1.96	0.47
1:F:292:LEU:HD11	1:F:379:LEU:HD21	1.95	0.47
1:A:250:HIS:ND1	1:A:250:HIS:C	2.73	0.47
1:C:156:VAL:HG11	1:C:158:LYS:HE3	1.96	0.47
1:C:175:TYR:OH	1:C:181:ALA:HB2	2.14	0.47
1:D:409:ILE:C	1:D:411:SER:N	2.72	0.47
1:E:124:ARG:HB3	5:E:1530:HOH:O	2.14	0.47
1:A:313:THR:C	1:A:314:VAL:HG23	2.40	0.47
1:C:21:ARG:NH2	1:C:44:ASP:CG	2.73	0.47
1:C:116:PRO:HD2	1:C:370:GLN:HE21	1.79	0.47
1:C:127:LYS:HG2	1:C:266:GLY:HA2	1.97	0.47
1:D:210:PHE:CE2	1:D:251:ARG:NH2	2.82	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:221:TYR:HD1	1:F:182:MET:HB3	1.80	0.47
1:F:246:ILE:O	1:F:246:ILE:HG13	2.13	0.47
1:A:134:HIS:HE1	1:A:186:ASN:OD1	1.96	0.47
1:A:213:THR:HG23	1:A:222:ASP:CB	2.40	0.47
1:C:13:GLU:OE2	1:C:28:LYS:NZ	2.35	0.47
1:C:18:GLU:HB3	1:C:318:TYR:CG	2.49	0.47
1:C:76:THR:O	3:C:1301:NDP:H2N	2.14	0.47
1:D:356:LYS:O	1:D:360:ILE:HG13	2.15	0.47
1:E:388:ARG:C	1:E:390:ALA:H	2.22	0.47
1:F:299:THR:OG1	1:F:304:THR:HB	2.14	0.47
1:A:24:TRP:CD2	1:A:74:CYS:HB2	2.49	0.47
1:A:92:MET:CE	1:B:219:LYS:HD3	2.44	0.47
1:C:219:LYS:HD3	1:D:92:MET:CE	2.40	0.47
1:E:409:ILE:C	1:E:411:SER:N	2.72	0.47
1:F:121:LEU:O	1:F:123:PRO:HD3	2.14	0.47
1:F:213:THR:CG2	1:F:250:HIS:NE2	2.77	0.47
1:A:224:ARG:HD3	1:B:146:LEU:HD21	1.97	0.47
1:B:119:PRO:O	1:B:120:ARG:HG3	2.15	0.47
1:F:251:ARG:CD	1:F:255:ASP:OD1	2.62	0.47
1:C:146:LEU:HD12	1:D:220:LYS:HB3	1.97	0.47
1:D:116:PRO:HB2	1:D:370:GLN:HE22	1.80	0.47
1:A:108:VAL:HG23	1:A:135:ALA:HB2	1.97	0.46
1:A:140:TYR:CE1	1:A:274:TYR:HA	2.48	0.46
1:A:349:ASP:O	1:A:350:ASN:C	2.58	0.46
1:B:228:ILE:O	1:B:232:VAL:HG23	2.15	0.46
1:C:188:ASP:O	1:C:192:GLU:HG3	2.15	0.46
1:C:203:ILE:HG23	1:C:244:LEU:CD1	2.45	0.46
1:A:327:THR:CG2	1:A:394:THR:OG1	2.61	0.46
1:A:356:LYS:O	1:A:360:ILE:HG13	2.15	0.46
1:C:130:ILE:HB	1:C:268:ILE:HG12	1.96	0.46
1:E:29:LYS:O	1:E:34:PRO:HD3	2.15	0.46
1:A:79:PRO:O	1:B:219:LYS:NZ	2.48	0.46
1:A:79:PRO:HG2	1:A:93:TRP:O	2.14	0.46
1:E:330:ASN:ND2	1:E:332:ILE:H	2.14	0.46
1:F:120:ARG:NH2	1:F:126:GLU:HA	2.30	0.46
3:B:1201:NDP:C4N	4:B:1202:AKG:C4	2.91	0.46
1:D:106:GLY:O	1:D:135:ALA:HB3	2.15	0.46
1:D:109:PHE:CD1	1:D:201:LEU:CD1	2.98	0.46
1:E:111:GLU:HG3	5:E:1509:HOH:O	2.15	0.46
1:F:305:PHE:N	1:F:305:PHE:CD2	2.82	0.46
1:A:79:PRO:HG3	1:A:93:TRP:HB2	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:124:ARG:O	1:A:264:LYS:HA	2.15	0.46
1:A:144:ASP:OD2	1:B:220:LYS:HB2	2.16	0.46
1:C:161:ASP:C	1:C:163:THR:H	2.23	0.46
1:C:318:TYR:O	1:C:322:GLN:HG3	2.16	0.46
1:E:172:VAL:O	1:E:173:TYR:HB2	2.16	0.46
1:A:117:ARG:HB2	1:A:370:GLN:OE1	2.15	0.46
1:A:402:GLU:O	1:A:406:GLN:HG3	2.16	0.46
1:D:8:LYS:HD3	1:D:349:ASP:HB3	1.97	0.46
1:E:116:PRO:HD2	1:E:370:GLN:NE2	2.31	0.46
1:E:369:VAL:HG13	1:E:375:MET:HE2	1.98	0.46
1:F:36:LEU:CB	1:F:38:VAL:HG13	2.45	0.46
1:B:2:PHE:N	1:B:2:PHE:HD2	2.13	0.46
1:D:330:ASN:HD21	1:D:332:ILE:HD12	1.81	0.46
1:E:115:ILE:HG22	1:E:118:ILE:HG12	1.98	0.46
1:E:136:HIS:ND1	1:E:137:GLY:N	2.64	0.46
1:E:285:GLN:HG2	1:F:258:ALA:O	2.16	0.46
1:E:316:ARG:NH2	1:F:251:ARG:NE	2.64	0.46
1:B:201:LEU:HD22	1:B:268:ILE:HD11	1.97	0.46
1:D:29:LYS:O	1:D:34:PRO:CD	2.62	0.46
1:D:137:GLY:O	1:D:138:ASP:C	2.57	0.46
1:A:253:ILE:HG23	1:A:254:ASP:N	2.30	0.46
1:B:47:VAL:HG13	1:B:77:ILE:HB	1.97	0.46
1:C:212:SER:OG	1:C:256:MET:HG2	2.15	0.46
1:D:127:LYS:HD3	1:D:266:GLY:HA3	1.98	0.46
1:A:116:PRO:CD	1:A:370:GLN:NE2	2.79	0.46
1:B:153:LEU:HD13	1:B:154:GLU:N	2.31	0.46
1:C:127:LYS:O	1:C:265:GLY:HA3	2.16	0.46
1:D:212:SER:OG	1:D:256:MET:HG2	2.16	0.46
1:E:241:PHE:CD2	1:E:246:ILE:HG13	2.51	0.46
1:F:211:LEU:HD23	1:F:212:SER:N	2.31	0.46
1:A:212:SER:OG	1:A:256:MET:HG2	2.16	0.45
1:A:238:LYS:O	1:A:242:GLU:HG3	2.17	0.45
1:B:14:LEU:HD23	1:B:14:LEU:N	2.30	0.45
1:B:181:ALA:O	1:B:182:MET:HB3	2.15	0.45
1:B:191:ILE:O	1:B:194:PHE:HB3	2.16	0.45
1:B:332:ILE:O	1:B:336:PHE:HD1	1.99	0.45
1:B:395:GLU:OE1	1:B:395:GLU:N	2.47	0.45
1:E:248:TYR:CG	1:E:249:GLU:N	2.84	0.45
1:E:331:SER:O	1:E:335:ILE:HG13	2.17	0.45
1:F:26:LYS:NZ	1:F:395:GLU:CG	2.79	0.45
1:A:50:ARG:C	1:A:53:THR:HG22	2.41	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:171:LYS:HE2	1:A:174:ASP:CG	2.41	0.45
1:A:221:TYR:CD1	1:B:182:MET:HE2	2.52	0.45
1:B:153:LEU:HD12	1:B:172:VAL:HB	1.97	0.45
1:F:14:LEU:HD23	1:F:14:LEU:N	2.32	0.45
1:F:17:ASP:OD1	1:F:46:SER:HA	2.16	0.45
1:B:12:VAL:HG12	1:B:14:LEU:HD21	1.98	0.45
1:C:110:ARG:HG2	1:C:295:SER:HB2	1.98	0.45
1:D:409:ILE:C	1:D:411:SER:H	2.25	0.45
1:E:147:ILE:HG13	1:E:175:TYR:CZ	2.50	0.45
1:A:321:TYR:HD1	5:A:1110:HOH:O	2.00	0.45
1:D:109:PHE:CE1	1:D:201:LEU:HD12	2.50	0.45
1:A:67:LYS:HD3	1:A:68:TYR:CE1	2.51	0.45
1:D:230:GLN:NE2	5:D:1431:HOH:O	2.49	0.45
1:E:45:LEU:O	1:E:50:ARG:NE	2.37	0.45
1:F:111:GLU:HB2	1:F:112:PRO:HD2	1.97	0.45
1:A:139:GLN:NE2	5:A:1119:HOH:O	2.48	0.45
1:B:79:PRO:HG3	1:B:93:TRP:HB2	1.98	0.45
1:C:79:PRO:O	1:D:219:LYS:NZ	2.50	0.45
1:C:367:ASN:HB3	1:C:371:GLN:HG3	1.97	0.45
1:D:161:ASP:O	1:D:163:THR:N	2.50	0.45
1:F:327:THR:HG22	1:F:328:SER:H	1.82	0.45
1:A:161:ASP:O	1:A:163:THR:N	2.49	0.45
1:C:219:LYS:NZ	1:D:79:PRO:O	2.47	0.45
1:E:127:LYS:HD3	1:E:266:GLY:CA	2.45	0.45
1:F:211:LEU:HD12	1:F:229:PHE:CG	2.52	0.45
3:F:1601:NDP:O3B	3:F:1601:NDP:O1X	2.35	0.45
1:A:119:PRO:C	1:A:120:ARG:HG3	2.41	0.45
1:A:180:VAL:HG23	1:B:221:TYR:CE1	2.52	0.45
1:C:316:ARG:NH2	1:D:255:ASP:OD1	2.50	0.45
1:C:342:LEU:HB3	1:C:354:LEU:HD22	1.98	0.45
1:E:401:VAL:O	1:E:405:LEU:HB2	2.17	0.45
1:F:147:ILE:N	1:F:179:GLY:O	2.44	0.45
1:B:23:ILE:O	1:B:27:ILE:HG13	2.17	0.45
1:E:133:ARG:CZ	1:E:277:ASP:HB2	2.47	0.45
1:B:256:MET:HG3	1:B:269:MET:HE3	1.99	0.45
1:C:213:THR:HG23	1:C:214:LYS:N	2.32	0.45
1:F:374:ILE:HG23	1:F:392:VAL:HG11	1.99	0.45
1:A:247:HIS:ND1	1:A:247:HIS:N	2.65	0.44
1:A:312:GLY:N	3:A:1101:NDP:O1A	2.41	0.44
1:B:368:THR:HG22	1:B:374:ILE:HB	1.99	0.44
1:C:213:THR:HG21	1:C:222:ASP:HB3	1.97	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:404:ARG:NH1	1:C:408:GLU:OE2	2.49	0.44
1:B:120:ARG:CZ	1:B:125:TRP:O	2.65	0.44
1:C:319:ARG:HD3	1:C:322:GLN:NE2	2.30	0.44
1:F:24:TRP:CD2	1:F:74:CYS:HB2	2.52	0.44
1:F:301:ASP:HB3	1:F:303:LYS:CG	2.46	0.44
1:C:288:GLY:O	1:C:289:SER:HB3	2.16	0.44
1:D:125:TRP:CZ3	1:D:286:GLY:HA3	2.52	0.44
1:F:24:TRP:HH2	1:F:72:ILE:HG22	1.82	0.44
1:A:291:GLY:O	1:A:333:ALA:HB2	2.18	0.44
1:C:129:ILE:HG13	1:C:287:PHE:HZ	1.82	0.44
1:C:216:THR:HB	1:D:78:THR:HG21	1.99	0.44
1:D:330:ASN:HD22	1:D:330:ASN:C	2.23	0.44
1:E:54:SER:HA	1:E:93:TRP:CH2	2.52	0.44
1:E:212:SER:HB3	1:E:253:ILE:HA	1.99	0.44
1:F:108:VAL:HG23	1:F:135:ALA:HB2	1.99	0.44
1:C:22:ILE:CD1	1:C:321:TYR:CE2	3.00	0.44
1:C:152:SER:O	1:D:157:TYR:HD1	2.00	0.44
1:C:201:LEU:HD21	1:C:205:LYS:HD2	2.00	0.44
1:D:57:ILE:HG23	1:D:58:THR:N	2.33	0.44
1:D:393:THR:H	1:D:396:GLU:HB2	1.82	0.44
1:E:320:LYS:O	1:E:325:GLU:HB2	2.17	0.44
1:A:73:LYS:HG2	1:A:74:CYS:O	2.17	0.44
1:B:24:TRP:HH2	1:B:72:ILE:HG22	1.82	0.44
1:C:109:PHE:CD1	1:C:201:LEU:HD12	2.53	0.44
1:D:21:ARG:NH2	1:D:44:ASP:OD1	2.50	0.44
1:E:202:ALA:CA	1:E:268:ILE:HD12	2.44	0.44
1:B:393:THR:OG1	1:B:396:GLU:HG3	2.17	0.44
1:C:108:VAL:CG2	1:C:135:ALA:HB2	2.47	0.44
1:C:179:GLY:N	1:D:188:ASP:OD2	2.50	0.44
1:C:220:LYS:HB2	1:D:144:ASP:OD2	2.17	0.44
1:C:308:GLU:HG3	1:C:309:ALA:O	2.17	0.44
1:D:109:PHE:CD1	1:D:201:LEU:HD12	2.52	0.44
1:E:195:ALA:HA	1:E:229:PHE:CZ	2.52	0.44
1:F:24:TRP:CE3	1:F:74:CYS:HB2	2.53	0.44
1:A:10:PRO:CG	1:A:68:TYR:HD2	2.31	0.44
1:B:173:TYR:CG	1:B:174:ASP:N	2.86	0.44
1:B:251:ARG:HH11	1:B:251:ARG:CG	2.31	0.44
1:C:22:ILE:HD11	1:C:321:TYR:CE2	2.53	0.44
1:E:56:LYS:HB3	5:E:1526:HOH:O	2.16	0.44
1:E:96:PRO:O	1:E:100:ILE:HG13	2.18	0.44
1:E:299:THR:OG1	1:E:304:THR:HB	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:326:GLU:OE1	1:F:388:ARG:NH2	2.50	0.44
1:A:365:THR:HA	1:A:401:VAL:HG13	1.99	0.44
1:C:4:LYS:HE2	1:C:34:PRO:O	2.18	0.44
1:D:47:VAL:O	1:D:51:ASP:N	2.44	0.44
1:D:147:ILE:HG13	1:D:175:TYR:CZ	2.53	0.44
1:D:210:PHE:CE2	1:D:251:ARG:CZ	3.00	0.44
1:E:76:THR:O	3:E:1501:NDP:H2N	2.18	0.44
1:F:377:LYS:HG3	1:F:391:TYR:CE2	2.53	0.44
1:A:213:THR:HB	1:A:250:HIS:NE2	2.33	0.43
1:C:61:ALA:O	1:C:65:ILE:HG13	2.18	0.43
1:C:171:LYS:CE	1:C:174:ASP:OD1	2.64	0.43
1:D:28:LYS:NZ	5:D:1433:HOH:O	2.50	0.43
1:D:120:ARG:CZ	1:D:126:GLU:HA	2.48	0.43
1:D:120:ARG:NH1	1:D:126:GLU:HA	2.33	0.43
1:D:283:VAL:O	1:D:287:PHE:HD1	2.00	0.43
1:E:403:LYS:HG2	1:E:407:LYS:HE2	1.99	0.43
1:F:188:ASP:O	1:F:192:GLU:HG3	2.17	0.43
1:A:50:ARG:O	1:A:53:THR:HG22	2.18	0.43
1:A:171:LYS:HE2	1:A:174:ASP:OD2	2.19	0.43
1:A:297:LEU:HB3	1:A:306:GLU:HB3	1.99	0.43
1:B:153:LEU:HB2	1:B:175:TYR:HE1	1.83	0.43
1:C:327:THR:HG22	1:C:328:SER:N	2.32	0.43
1:E:41:LYS:O	1:E:43:TYR:HD1	2.02	0.43
1:E:116:PRO:C	1:E:118:ILE:N	2.75	0.43
1:A:224:ARG:HD3	1:B:146:LEU:CD2	2.48	0.43
1:B:24:TRP:O	1:B:27:ILE:HB	2.18	0.43
1:B:212:SER:OG	1:B:256:MET:HG2	2.18	0.43
3:B:1201:NDP:C5N	4:B:1202:AKG:H42	2.48	0.43
1:C:14:LEU:N	1:C:14:LEU:CD2	2.81	0.43
1:D:14:LEU:N	1:D:14:LEU:HD23	2.33	0.43
1:E:136:HIS:HD1	1:E:137:GLY:N	2.16	0.43
1:F:96:PRO:O	1:F:100:ILE:HG13	2.18	0.43
1:F:134:HIS:O	1:F:273:ASN:HA	2.17	0.43
1:F:213:THR:HG22	1:F:250:HIS:NE2	2.33	0.43
1:A:92:MET:HE2	1:B:219:LYS:HD3	2.01	0.43
1:B:51:ASP:HB2	1:B:89:LEU:HD22	2.00	0.43
1:B:388:ARG:C	1:B:388:ARG:CD	2.91	0.43
1:C:213:THR:CG2	1:C:215:ASN:N	2.80	0.43
1:D:118:ILE:HA	1:D:119:PRO:HD3	1.72	0.43
3:D:1401:NDP:C5N	4:D:1402:AKG:H42	2.47	0.43
1:E:171:LYS:HE2	1:E:174:ASP:OD2	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:196:HIS:CE1	1:E:232:VAL:HG13	2.53	0.43
1:E:405:LEU:CD2	1:E:409:ILE:HD11	2.46	0.43
1:F:340:ARG:HA	1:F:340:ARG:HD3	1.83	0.43
3:C:1301:NDP:C4N	4:C:1302:AKG:C4	2.88	0.43
1:A:221:TYR:CE1	1:B:182:MET:HG2	2.53	0.43
1:B:94:LYS:O	1:B:95:SER:C	2.61	0.43
1:B:209:LEU:HD23	1:B:210:PHE:N	2.33	0.43
3:C:1301:NDP:C3N	4:C:1302:AKG:H41	2.49	0.43
1:D:233:TYR:CZ	1:D:238:LYS:HA	2.54	0.43
1:E:157:TYR:OH	1:F:149:GLY:O	2.30	0.43
1:F:109:PHE:CZ	1:F:201:LEU:HD12	2.54	0.43
1:F:327:THR:CG2	1:F:328:SER:N	2.82	0.43
1:A:220:LYS:CD	1:B:145:THR:HA	2.49	0.43
1:A:327:THR:HG22	1:A:328:SER:N	2.33	0.43
1:A:388:ARG:O	1:A:388:ARG:HD3	2.19	0.43
1:D:213:THR:HG21	1:D:222:ASP:HB3	2.00	0.43
1:A:7:VAL:HG21	1:A:38:VAL:CG1	2.48	0.43
1:A:7:VAL:O	1:A:8:LYS:C	2.61	0.43
1:B:192:GLU:HG2	1:B:228:ILE:HG21	2.00	0.43
1:E:10:PRO:HG2	1:E:68:TYR:CE2	2.53	0.43
1:E:16:GLY:HA3	1:E:75:ALA:O	2.19	0.43
1:E:97:ASN:HD21	3:E:1501:NDP:C7N	2.31	0.43
1:E:109:PHE:CD1	1:E:201:LEU:HD12	2.53	0.43
1:E:216:THR:HG22	1:F:80:ASP:HB3	2.00	0.43
1:F:344:LYS:HD3	1:F:344:LYS:HA	1.82	0.43
1:B:21:ARG:NH2	1:B:44:ASP:CG	2.76	0.43
1:B:187:THR:O	1:B:191:ILE:HG13	2.18	0.43
3:B:1201:NDP:C4N	4:B:1202:AKG:H41	2.47	0.43
1:C:143:THR:O	1:C:182:MET:HA	2.19	0.43
1:E:44:ASP:O	1:E:57:ILE:HD13	2.18	0.43
1:E:185:TYR:CD1	1:E:185:TYR:C	2.97	0.43
1:F:35:TYR:CE1	1:F:405:LEU:HD13	2.54	0.43
1:F:169:THR:O	1:F:169:THR:HG22	2.18	0.43
1:A:282:ILE:HD13	1:B:282:ILE:HD13	2.01	0.43
1:A:343:LEU:HG	1:A:358:ALA:HB1	1.99	0.43
3:A:1101:NDP:C3N	4:A:1102:AKG:H41	2.49	0.43
1:B:19:MET:HE3	1:B:327:THR:HG21	2.00	0.43
1:A:39:ASP:OD2	1:A:41:LYS:HE2	2.19	0.42
1:B:133:ARG:HB2	1:B:276:GLY:HA3	2.00	0.42
1:B:192:GLU:HG2	1:B:228:ILE:CG2	2.49	0.42
1:B:213:THR:HG23	1:B:222:ASP:CB	2.45	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PRO:CG	1:C:68:TYR:CD2	3.00	0.42
1:E:296:ILE:HG23	1:E:296:ILE:O	2.18	0.42
1:A:388:ARG:C	1:A:388:ARG:CD	2.92	0.42
1:C:218:LEU:HD23	1:D:182:MET:HE1	2.00	0.42
1:E:393:THR:OG1	1:E:396:GLU:HG3	2.19	0.42
1:F:117:ARG:NH1	1:F:370:GLN:O	2.52	0.42
1:F:402:GLU:OE2	5:F:1621:HOH:O	2.22	0.42
1:A:96:PRO:HA	5:A:1109:HOH:O	2.19	0.42
1:C:397:PHE:O	1:C:401:VAL:HG23	2.19	0.42
1:D:121:LEU:C	1:D:123:PRO:HD3	2.44	0.42
1:E:316:ARG:NH2	1:F:251:ARG:CD	2.83	0.42
1:F:403:LYS:NZ	1:F:403:LYS:HB3	2.33	0.42
1:A:38:VAL:HG23	1:A:40:LEU:HG	2.01	0.42
1:E:7:VAL:O	1:E:8:LYS:C	2.62	0.42
1:F:35:TYR:CZ	1:F:405:LEU:HD13	2.55	0.42
1:F:345:ARG:HA	1:F:345:ARG:NE	2.33	0.42
1:B:147:ILE:HA	1:B:148:PRO:HD2	1.81	0.42
1:B:161:ASP:C	1:B:163:THR:N	2.77	0.42
1:C:17:ASP:CB	1:C:77:ILE:HG13	2.49	0.42
1:D:121:LEU:O	1:D:123:PRO:HD3	2.19	0.42
1:E:253:ILE:HG23	1:E:254:ASP:N	2.34	0.42
1:F:153:LEU:HD12	1:F:172:VAL:CG1	2.50	0.42
1:A:319:ARG:HA	1:A:322:GLN:HE21	1.84	0.42
1:B:54:SER:C	1:B:56:LYS:H	2.27	0.42
1:C:388:ARG:C	1:C:388:ARG:CD	2.91	0.42
1:D:10:PRO:HG2	1:D:68:TYR:CD2	2.54	0.42
3:D:1401:NDP:C4N	4:D:1402:AKG:C4	2.95	0.42
1:F:10:PRO:CG	1:F:68:TYR:CD2	2.97	0.42
1:F:127:LYS:HG2	1:F:266:GLY:HA2	2.02	0.42
1:B:120:ARG:NH2	1:B:287:PHE:CE2	2.88	0.42
1:B:343:LEU:O	1:B:347:GLU:HG3	2.20	0.42
1:C:125:TRP:HZ3	1:C:286:GLY:HA3	1.84	0.42
1:C:221:TYR:N	1:D:144:ASP:OD2	2.47	0.42
1:C:327:THR:CG2	1:C:328:SER:N	2.82	0.42
1:D:53:THR:HG21	1:D:57:ILE:CG2	2.50	0.42
1:D:96:PRO:O	1:D:100:ILE:HG13	2.20	0.42
1:A:111:GLU:O	1:A:293:MET:HG3	2.20	0.42
1:D:157:TYR:HB3	1:D:168:GLN:HB2	2.01	0.42
1:E:19:MET:HB3	1:E:313:THR:O	2.18	0.42
1:E:87:PHE:HB2	1:E:89:LEU:CD2	2.49	0.42
1:E:155:LEU:HD23	1:F:183:ALA:HB2	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:256:MET:HG3	1:E:269:MET:HE3	2.01	0.42
1:F:247:HIS:ND1	1:F:247:HIS:N	2.68	0.42
1:F:248:TYR:CG	1:F:249:GLU:N	2.88	0.42
1:F:270:ALA:O	1:F:271:LEU:HD23	2.20	0.42
1:A:251:ARG:HD2	1:A:255:ASP:OD1	2.19	0.42
1:B:24:TRP:CH2	1:B:72:ILE:HG22	2.55	0.42
1:E:173:TYR:CG	1:E:174:ASP:N	2.88	0.42
1:E:221:TYR:CD1	1:F:182:MET:HB3	2.55	0.42
1:F:140:TYR:HE1	1:F:274:TYR:HA	1.85	0.42
1:A:367:ASN:HB3	1:A:371:GLN:HG2	2.01	0.42
1:B:119:PRO:HG2	1:B:383:CYS:HA	2.01	0.42
1:B:133:ARG:HD2	1:B:276:GLY:C	2.45	0.42
1:D:248:TYR:CG	1:D:249:GLU:N	2.87	0.42
1:E:36:LEU:CB	1:E:38:VAL:HG13	2.50	0.42
1:E:94:LYS:O	1:E:95:SER:C	2.63	0.42
1:F:148:PRO:O	1:F:178:SER:HB3	2.20	0.42
1:F:310:ALA:HB3	5:F:1607:HOH:O	2.19	0.42
1:B:8:LYS:CD	1:B:349:ASP:HB3	2.50	0.41
1:C:248:TYR:O	1:C:249:GLU:HB2	2.19	0.41
1:D:13:GLU:OE1	1:D:40:LEU:HD13	2.20	0.41
1:E:108:VAL:HG23	1:E:135:ALA:HB2	2.02	0.41
1:F:90:HIS:CD2	1:F:91:LYS:HG3	2.54	0.41
1:F:240:LYS:O	1:F:243:GLN:HB3	2.19	0.41
1:B:160:SER:O	1:B:162:PRO:HD3	2.20	0.41
1:F:253:ILE:O	1:F:257:VAL:HG13	2.19	0.41
1:A:121:LEU:HD13	1:B:262:LYS:HA	2.02	0.41
1:E:116:PRO:C	1:E:118:ILE:H	2.28	0.41
1:F:133:ARG:CZ	1:F:277:ASP:HB2	2.51	0.41
1:B:338:TRP:O	1:B:342:LEU:HG	2.20	0.41
1:C:5:ILE:HD12	1:C:357:PHE:HB2	2.02	0.41
1:D:395:GLU:H	1:D:395:GLU:CD	2.27	0.41
1:E:153:LEU:HD13	1:E:154:GLU:N	2.35	0.41
1:F:263:SER:HB2	5:F:1619:HOH:O	2.19	0.41
1:F:318:TYR:O	1:F:321:TYR:HB3	2.20	0.41
1:A:125:TRP:CZ3	1:A:286:GLY:HA3	2.47	0.41
1:C:121:LEU:O	1:C:123:PRO:HD3	2.20	0.41
1:D:211:LEU:HD13	1:D:250:HIS:HD2	1.86	0.41
1:E:182:MET:HE1	1:F:218:LEU:CD2	2.50	0.41
1:E:207:LEU:HB3	1:E:267:PHE:HA	2.03	0.41
1:E:403:LYS:HA	1:E:406:GLN:OE1	2.19	0.41
1:A:111:GLU:HB3	1:A:130:ILE:HG12	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:122:VAL:HB	1:A:125:TRP:CE3	2.55	0.41
1:B:140:TYR:CD1	1:B:140:TYR:N	2.88	0.41
1:D:340:ARG:HD3	1:D:340:ARG:HA	1.90	0.41
3:D:1401:NDP:O3B	3:D:1401:NDP:O1X	2.38	0.41
1:E:8:LYS:HB3	1:E:349:ASP:CB	2.49	0.41
1:F:402:GLU:O	1:F:406:GLN:HG3	2.20	0.41
1:A:296:ILE:CD1	1:A:344:LYS:HG3	2.49	0.41
1:A:315:THR:O	1:A:319:ARG:HG2	2.21	0.41
1:D:211:LEU:HD22	1:D:211:LEU:C	2.45	0.41
1:E:118:ILE:HA	1:E:119:PRO:HD3	1.80	0.41
1:E:316:ARG:NH2	1:F:251:ARG:HD3	2.35	0.41
1:F:211:LEU:C	1:F:211:LEU:CD2	2.94	0.41
1:A:363:SER:OG	1:A:408:GLU:OE1	2.34	0.41
1:B:79:PRO:CG	1:B:93:TRP:O	2.67	0.41
1:B:299:THR:CG2	1:B:304:THR:HB	2.50	0.41
1:C:80:ASP:OD1	1:C:80:ASP:C	2.64	0.41
1:C:146:LEU:CD1	1:D:220:LYS:HB3	2.50	0.41
1:D:28:LYS:O	1:D:33:LEU:HG	2.20	0.41
1:E:36:LEU:HD21	1:E:357:PHE:CD2	2.56	0.41
1:A:316:ARG:NH2	1:B:251:ARG:NE	2.68	0.41
1:A:340:ARG:HA	1:A:340:ARG:HD3	1.85	0.41
1:B:67:LYS:HD3	1:B:68:TYR:CZ	2.56	0.41
1:B:87:PHE:O	1:B:88:ASN:C	2.63	0.41
1:B:124:ARG:HB2	5:B:1224:HOH:O	2.21	0.41
1:C:105:GLY:O	1:C:297:LEU:HD11	2.21	0.41
1:C:351:THR:O	1:C:353:ALA:N	2.54	0.41
1:D:45:LEU:O	1:D:50:ARG:NE	2.53	0.41
1:D:57:ILE:CG2	1:D:58:THR:N	2.84	0.41
1:A:12:VAL:HG12	1:A:14:LEU:CD2	2.50	0.41
1:A:54:SER:HA	1:A:93:TRP:CH2	2.55	0.41
1:A:59:GLN:NE2	1:A:103:ILE:HD11	2.36	0.41
1:A:101:ARG:HD2	5:A:1115:HOH:O	2.21	0.41
1:B:164:THR:O	1:B:164:THR:HG22	2.20	0.41
1:B:367:ASN:CB	1:B:371:GLN:HG3	2.45	0.41
1:D:272:LYS:O	1:D:273:ASN:C	2.64	0.41
1:A:158:LYS:HA	1:A:159:PRO:HD2	1.98	0.40
1:A:237:TYR:C	1:A:239:SER:N	2.79	0.40
1:A:336:PHE:HA	1:A:339:SER:OG	2.21	0.40
1:B:80:ASP:O	1:B:82:ALA:N	2.55	0.40
1:C:45:LEU:HD22	1:C:57:ILE:HG23	2.02	0.40
1:C:72:ILE:HD13	1:C:338:TRP:HA	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:134:HIS:HE1	1:D:186:ASN:OD1	2.04	0.40
1:D:161:ASP:C	1:D:163:THR:N	2.79	0.40
1:E:256:MET:HG2	1:E:269:MET:HE3	2.03	0.40
1:C:251:ARG:HD2	1:C:255:ASP:OD1	2.20	0.40
1:D:138:ASP:HB3	1:D:139:GLN:OE1	2.22	0.40
1:B:284:ALA:HB3	1:B:290:LEU:HD23	2.04	0.40
1:D:201:LEU:HD23	1:D:201:LEU:C	2.45	0.40
1:D:256:MET:HG3	1:D:269:MET:HE3	2.02	0.40
1:E:137:GLY:O	1:E:138:ASP:HB2	2.21	0.40
1:F:195:ALA:HA	1:F:229:PHE:CE2	2.57	0.40
1:A:134:HIS:CD2	1:A:194:PHE:HB2	2.57	0.40
1:A:330:ASN:HD22	1:A:331:SER:N	2.19	0.40
3:A:1101:NDP:O3B	3:A:1101:NDP:O1X	2.39	0.40
1:B:148:PRO:O	1:B:178:SER:HB3	2.21	0.40
3:B:1201:NDP:O3B	3:B:1201:NDP:O3X	2.37	0.40
1:C:67:LYS:HD3	1:C:68:TYR:CE1	2.56	0.40
1:C:145:THR:HA	1:D:220:LYS:HD2	2.02	0.40
1:E:219:LYS:HD3	1:F:92:MET:CE	2.46	0.40
1:A:401:VAL:O	1:A:405:LEU:HB2	2.22	0.40
1:B:12:VAL:HG12	1:B:14:LEU:CD2	2.51	0.40
1:B:17:ASP:HB2	1:B:77:ILE:HG13	2.03	0.40
1:B:112:PRO:HA	1:B:292:LEU:O	2.22	0.40
1:B:311:HIS:CD2	3:B:1201:NDP:H61A	2.40	0.40
1:D:19:MET:HE3	1:D:327:THR:HG21	2.02	0.40
1:D:43:TYR:OH	1:D:64:ALA:HB2	2.21	0.40
1:D:50:ARG:HA	1:D:53:THR:HG22	2.03	0.40
1:E:232:VAL:HG12	1:E:237:TYR:HE1	1.86	0.40
1:E:392:VAL:HB	1:E:396:GLU:HB2	2.03	0.40
3:E:1501:NDP:C3N	4:E:1502:AKG:H42	2.51	0.40

All (10959) symmetry-related close contacts are listed below. The label for Atom-2 includes the symmetry operator and encoded unit-cell translations to be applied.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:65:ILE:CA	1:A:157:TYR:CZ[2_757]	0.07	2.13
1:B:49:SER:O	1:E:340:ARG:CD[2_757]	0.09	2.11
1:A:380:ALA:CB	1:F:12:VAL:CA[2_657]	0.12	2.08
1:A:48:GLU:CG	1:A:173:TYR:CD2[2_757]	0.14	2.06
1:A:367:ASN:CB	1:F:55:ASP:CG[2_657]	0.14	2.06
1:A:85:LYS:O	1:B:188:ASP:CB[2_757]	0.16	2.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:63:GLU:CA	1:E:397:PHE:CE2[2_757]	0.16	2.04
1:B:392:VAL:N	1:C:271:LEU:O[2_858]	0.16	2.04
1:A:86:GLU:C	1:A:178:SER:O[2_757]	0.19	2.01
1:D:246:ILE:O	1:F:21:ARG:CB[2_757]	0.19	2.01
1:A:384:GLY:C	1:F:40:LEU:CB[2_657]	0.20	2.00
1:D:357:PHE:CD1	1:E:133:ARG:CA[2_757]	0.20	2.00
1:B:22:ILE:CB	1:C:232:VAL:C[2_858]	0.23	1.97
1:D:188:ASP:O	1:F:375:MET:N[2_757]	0.23	1.97
1:D:298:VAL:N	1:E:262:LYS:CD[2_757]	0.23	1.97
1:D:374:ILE:CG1	1:E:236:GLN:NE2[2_757]	0.23	1.97
1:A:123:PRO:CA	1:C:12:VAL:C[2_858]	0.24	1.96
1:B:401:VAL:C	1:D:180:VAL:CG1[2_858]	0.24	1.96
1:D:205:LYS:CA	3:F:1601:NDP:O4D[2_757]	0.24	1.96
1:A:326:GLU:CA	1:F:303:LYS:CA[2_657]	0.26	1.94
1:A:94:LYS:C	1:A:143:THR:C[2_757]	0.27	1.93
1:A:260:MET:N	1:C:348:LEU:CG[2_858]	0.27	1.93
1:B:117:ARG:O	1:C:98:GLY:O[2_858]	0.27	1.93
1:D:5:ILE:N	1:E:110:ARG:NH2[2_757]	0.28	1.92
1:D:207:LEU:CB	1:F:18:GLU:OE1[2_757]	0.28	1.92
1:A:365:THR:CG2	1:F:59:GLN:OE1[2_657]	0.29	1.91
1:B:353:ALA:N	1:C:163:THR:N[2_858]	0.29	1.91
1:D:338:TRP:CE3	1:E:130:ILE:N[2_757]	0.29	1.91
1:B:95:SER:C	1:E:357:PHE:CZ[2_757]	0.30	1.90
1:D:136:HIS:NE2	1:F:385:ASN:CB[2_757]	0.30	1.90
1:D:334:SER:CB	1:E:207:LEU:C[2_757]	0.30	1.90
1:D:355:CYS:SG	5:E:1514:HOH:O[2_757]	0.30	1.90
1:A:57:ILE:CD1	1:B:143:THR:CG2[2_757]	0.31	1.89
1:B:30:LYS:CE	1:C:227:ASP:CB[2_858]	0.31	1.89
1:B:367:ASN:N	1:C:185:TYR:CD1[2_858]	0.31	1.89
1:A:94:LYS:O	1:A:143:THR:O[2_757]	0.32	1.88
1:D:40:LEU:CD2	1:E:112:PRO:CD[2_757]	0.32	1.88
1:D:334:SER:C	1:E:208:ASN:O[2_757]	0.32	1.88
1:B:93:TRP:CE2	1:E:341:GLY:C[2_757]	0.33	1.87
1:D:233:TYR:CD1	1:F:23:ILE:CA[2_757]	0.33	1.87
1:B:55:ASP:CB	1:E:338:TRP:C[2_757]	0.34	1.86
1:A:68:TYR:CA	1:A:165:ALA:CB[2_757]	0.35	1.85
1:A:318:TYR:CD1	1:B:160:SER:N[2_757]	0.35	1.85
1:A:320:LYS:N	1:B:161:ASP:CG[2_757]	0.35	1.85
1:B:89:LEU:CA	1:E:344:LYS:O[2_757]	0.35	1.85
1:B:298:VAL:CA	1:E:403:LYS:CE[2_757]	0.35	1.85
1:B:322:GLN:OE1	1:C:240:LYS:CA[2_858]	0.35	1.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:394:THR:C	1:C:229:PHE:CD1[2_858]	0.35	1.85
1:A:141:LYS:CG	1:A:141:LYS:CE[2_757]	0.36	1.84
1:A:372:ASP:OD1	1:F:96:PRO:CD[2_657]	0.36	1.84
1:B:83:ARG:CD	1:E:352:PRO:N[2_757]	0.36	1.84
1:D:342:LEU:CG	1:E:131:ILE:CD1[2_757]	0.36	1.84
1:D:368:THR:CA	1:E:232:VAL:CG1[2_757]	0.36	1.84
1:A:4:LYS:NZ	1:E:152:SER:C[2_657]	0.37	1.83
1:A:51:ASP:CG	1:B:185:TYR:O[2_757]	0.37	1.83
1:B:101:ARG:O	1:E:402:GLU:CG[2_757]	0.37	1.83
1:B:314:VAL:CA	1:C:200:LYS:NZ[2_858]	0.37	1.83
1:B:386:ASN:O	1:C:110:ARG:CB[2_858]	0.37	1.83
1:D:23:ILE:C	1:E:205:LYS:C[2_757]	0.37	1.83
1:A:375:MET:O	1:F:65:ILE:CG1[2_657]	0.38	1.82
1:A:410:LYS:O	1:E:220:LYS:NZ[2_657]	0.38	1.82
1:D:356:LYS:C	1:E:272:LYS:O[2_757]	0.38	1.82
1:D:358:ALA:CB	1:E:271:LEU:CG[2_757]	0.38	1.82
1:D:404:ARG:C	1:E:193:GLY:C[2_757]	0.38	1.82
1:B:46:SER:CA	1:E:359:ASN:OD1[2_757]	0.39	1.81
1:B:56:LYS:NZ	1:E:309:ALA:N[2_757]	0.39	1.81
1:D:65:ILE:CG1	1:E:125:TRP:N[2_757]	0.39	1.81
1:B:67:LYS:CB	1:E:375:MET:CA[2_757]	0.40	1.80
1:D:197:SER:O	3:F:1601:NDP:C5A[2_757]	0.40	1.80
1:A:56:LYS:C	1:B:182:MET:CB[2_757]	0.41	1.79
1:B:50:ARG:O	1:E:340:ARG:CA[2_757]	0.41	1.79
1:B:321:TYR:CE1	1:C:233:TYR:CD1[2_858]	0.41	1.79
1:D:305:PHE:CA	1:E:262:LYS:N[2_757]	0.41	1.79
1:D:341:GLY:O	1:E:260:MET:SD[2_757]	0.41	1.79
1:D:401:VAL:O	1:E:197:SER:N[2_757]	0.41	1.79
1:B:388:ARG:CB	1:C:131:ILE:CG1[2_858]	0.42	1.78
1:B:399:ASP:N	1:C:225:PHE:N[2_858]	0.42	1.78
1:D:301:ASP:CB	1:F:288:GLY:N[2_757]	0.42	1.78
1:A:21:ARG:NH2	1:A:171:LYS:CD[2_757]	0.43	1.77
1:A:78:THR:OG1	1:B:170:LEU:CD1[2_757]	0.43	1.77
1:A:124:ARG:NH1	1:C:306:GLU:N[2_858]	0.43	1.77
1:A:163:THR:N	1:A:345:ARG:NH2[2_757]	0.43	1.77
1:A:268:ILE:C	1:C:350:ASN:C[2_858]	0.43	1.77
1:B:57:ILE:CG1	1:E:336:PHE:CE2[2_757]	0.43	1.77
1:B:63:GLU:OE2	1:E:331:SER:CB[2_757]	0.43	1.77
1:B:117:ARG:CD	1:C:140:TYR:O[2_858]	0.43	1.77
1:B:123:PRO:C	1:C:60:ASP:O[2_858]	0.43	1.77
1:D:190:SER:OG	1:F:380:ALA:CB[2_757]	0.43	1.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:237:TYR:CD2	1:F:334:SER:OG[2_757]	0.43	1.77
1:E:90:HIS:CB	1:E:180:VAL:C[2_657]	0.43	1.77
1:A:59:GLN:NE2	1:A:185:TYR:CA[2_757]	0.44	1.76
1:B:391:TYR:CD1	1:C:132:GLY:O[2_858]	0.44	1.76
1:D:14:LEU:N	1:E:127:LYS:CA[2_757]	0.44	1.76
1:D:70:VAL:C	1:E:125:TRP:CE2[2_757]	0.44	1.76
1:D:138:ASP:OD1	1:F:388:ARG:CA[2_757]	0.44	1.76
1:D:290:LEU:O	1:E:247:HIS:CD2[2_757]	0.44	1.76
1:D:365:THR:O	1:E:199:PHE:CE2[2_757]	0.44	1.76
1:B:83:ARG:CA	1:E:351:THR:N[2_757]	0.45	1.75
1:B:406:GLN:C	1:D:145:THR:CB[2_858]	0.45	1.75
1:D:70:VAL:O	1:E:125:TRP:CD2[2_757]	0.45	1.75
1:D:362:GLU:CG	1:E:211:LEU:CA[2_757]	0.45	1.75
1:D:398:LEU:O	1:E:200:LYS:CB[2_757]	0.45	1.75
1:A:13:GLU:O	1:A:169:THR:N[2_757]	0.46	1.74
1:A:267:PHE:CG	1:C:346:GLY:CA[2_858]	0.46	1.74
1:A:376:THR:CA	1:F:65:ILE:N[2_657]	0.46	1.74
1:B:119:PRO:N	1:C:100:ILE:C[2_858]	0.46	1.74
1:B:281:ASP:CB	1:C:303:LYS:NZ[2_858]	0.46	1.74
1:B:394:THR:N	1:C:229:PHE:CZ[2_858]	0.46	1.74
1:D:408:GLU:OE2	1:E:191:ILE:O[2_757]	0.46	1.74
1:D:408:GLU:O	1:E:134:HIS:NE2[2_757]	0.46	1.74
1:A:328:SER:OG	1:F:65:ILE:O[2_657]	0.47	1.73
1:D:67:LYS:N	1:E:123:PRO:CD[2_757]	0.47	1.73
1:D:74:CYS:CB	1:E:127:LYS:NZ[2_757]	0.47	1.73
1:D:228:ILE:CA	1:F:397:PHE:N[2_757]	0.47	1.73
1:A:219:LYS:CB	1:E:37:ASP:O[2_757]	0.48	1.72
1:B:216:THR:C	1:B:220:LYS:NZ[2_757]	0.48	1.72
1:B:376:THR:CG2	1:C:194:PHE:CG[2_858]	0.48	1.72
1:C:319:ARG:CA	1:C:319:ARG:CA[2_958]	0.48	1.72
1:D:67:LYS:C	1:E:121:LEU:O[2_757]	0.48	1.72
1:D:204:ASP:O	3:F:1601:NDP:N1N[2_757]	0.48	1.72
1:A:30:LYS:CA	5:E:1529:HOH:O[2_657]	0.49	1.71
1:A:123:PRO:CD	1:C:12:VAL:CG1[2_858]	0.49	1.71
1:B:71:GLY:O	1:E:404:ARG:CZ[2_757]	0.49	1.71
1:B:77:ILE:N	1:E:356:LYS:CA[2_757]	0.49	1.71
1:B:83:ARG:NH1	1:E:352:PRO:CB[2_757]	0.49	1.71
1:D:24:TRP:N	1:E:205:LYS:O[2_757]	0.49	1.71
1:D:206:LYS:CG	1:F:76:THR:C[2_757]	0.49	1.71
1:D:375:MET:N	1:E:236:GLN:CA[2_757]	0.49	1.71
1:A:85:LYS:C	1:B:188:ASP:CG[2_757]	0.50	1.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:162:PRO:C	1:A:345:ARG:CZ[2_757]	0.50	1.70
1:B:335:ILE:CD1	1:C:188:ASP:CA[2_858]	0.50	1.70
1:D:32:ILE:O	1:E:109:PHE:C[2_757]	0.50	1.70
1:D:370:GLN:N	1:E:231:GLU:C[2_757]	0.50	1.70
1:E:85:LYS:N	1:F:224:ARG:O[2_657]	0.50	1.70
1:A:12:VAL:CA	1:A:167:PRO:C[2_757]	0.51	1.69
1:A:215:ASN:CB	1:E:6:LYS:CG[2_757]	0.51	1.69
1:B:54:SER:O	1:E:337:ALA:O[2_757]	0.51	1.69
1:B:93:TRP:CG	1:E:342:LEU:CA[2_757]	0.51	1.69
1:D:4:LYS:NZ	1:E:295:SER:O[2_757]	0.51	1.69
1:D:11:VAL:C	1:E:287:PHE:CD1[2_757]	0.51	1.69
1:D:189:GLU:CB	1:F:375:MET:CE[2_757]	0.51	1.69
1:D:256:MET:CA	1:F:323:LYS:C[2_757]	0.51	1.69
1:D:297:LEU:O	1:E:262:LYS:CG[2_757]	0.51	1.69
1:A:387:GLU:OE2	1:F:338:TRP:CZ3[2_657]	0.52	1.68
1:B:332:ILE:N	1:C:189:GLU:O[2_858]	0.52	1.68
1:B:392:VAL:O	1:C:194:PHE:CZ[2_858]	0.52	1.68
1:D:354:LEU:CD1	1:E:279:GLN:C[2_757]	0.52	1.68
1:A:50:ARG:O	1:B:184:MET:CA[2_757]	0.53	1.67
1:A:103:ILE:N	1:B:173:TYR:CD1[2_757]	0.53	1.67
1:A:125:TRP:CE3	1:C:10:PRO:O[2_858]	0.53	1.67
1:A:128:PRO:CA	1:C:7:VAL:CG2[2_858]	0.53	1.67
1:B:119:PRO:CB	1:C:100:ILE:CB[2_858]	0.53	1.67
1:B:141:LYS:CE	1:E:29:LYS:CA[2_757]	0.53	1.67
1:B:306:GLU:CD	1:E:404:ARG:O[2_757]	0.53	1.67
1:B:319:ARG:CB	1:C:203:ILE:CG2[2_858]	0.53	1.67
1:B:332:ILE:O	1:C:189:GLU:CB[2_858]	0.53	1.67
1:B:358:ALA:C	1:D:150:PRO:N[2_858]	0.53	1.67
1:D:190:SER:O	1:F:376:THR:O[2_757]	0.53	1.67
1:D:344:LYS:CD	1:E:257:VAL:C[2_757]	0.53	1.67
1:D:367:ASN:O	1:E:232:VAL:CG2[2_757]	0.53	1.67
1:D:404:ARG:CG	1:E:192:GLU:O[2_757]	0.53	1.67
1:E:99:THR:CG2	1:F:166:GLN:CG[2_657]	0.53	1.67
1:A:92:MET:CG	1:B:220:LYS:C[2_757]	0.54	1.66
1:A:123:PRO:C	1:C:12:VAL:O[2_858]	0.54	1.66
1:B:99:THR:O	1:E:31:LEU:CG[2_757]	0.54	1.66
1:B:334:SER:CB	1:C:192:GLU:OE2[2_858]	0.54	1.66
1:B:360:ILE:CG1	1:C:157:TYR:CZ[2_858]	0.54	1.66
1:B:378:ASP:N	1:C:107:THR:CA[2_858]	0.54	1.66
1:D:31:LEU:C	1:E:109:PHE:CD1[2_757]	0.54	1.66
1:D:228:ILE:N	1:F:396:GLU:C[2_757]	0.54	1.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:374:ILE:CB	1:F:100:ILE:CD1[2_657]	0.55	1.65
1:B:118:ILE:CA	1:C:102:ASN:N[2_858]	0.55	1.65
1:B:330:ASN:N	1:C:193:GLY:C[2_858]	0.55	1.65
1:B:360:ILE:CD1	1:C:157:TYR:CE2[2_858]	0.55	1.65
1:B:410:LYS:CB	1:C:170:LEU:CD2[2_858]	0.55	1.65
1:D:6:LYS:CE	1:E:311:HIS:C[2_757]	0.55	1.65
1:A:149:GLY:O	5:A:1124:HOH:O[2_757]	0.56	1.64
1:A:402:GLU:CB	1:F:102:ASN:ND2[2_657]	0.56	1.64
1:B:330:ASN:C	1:C:193:GLY:N[2_858]	0.56	1.64
1:D:35:TYR:CG	1:E:108:VAL:CA[2_757]	0.56	1.64
1:D:104:LEU:CD1	1:E:124:ARG:CD[2_757]	0.56	1.64
1:D:231:GLU:CD	1:F:400:ALA:N[2_757]	0.56	1.64
1:D:236:GLN:CB	1:F:335:ILE:CA[2_757]	0.56	1.64
1:D:246:ILE:CG2	1:F:17:ASP:CA[2_757]	0.56	1.64
1:D:332:ILE:N	1:E:241:PHE:CE2[2_757]	0.56	1.64
1:A:43:TYR:CE1	1:A:168:GLN:OE1[2_757]	0.57	1.63
1:A:45:LEU:CG	1:A:155:LEU:CA[2_757]	0.57	1.63
1:A:120:ARG:CA	1:C:41:LYS:N[2_858]	0.57	1.63
1:A:160:SER:OG	1:A:304:THR:C[2_757]	0.57	1.63
1:A:267:PHE:O	1:C:351:THR:CB[2_858]	0.57	1.63
1:A:385:ASN:CA	1:F:40:LEU:CD2[2_657]	0.57	1.63
1:B:364:ALA:N	1:D:175:TYR:CE2[2_858]	0.57	1.63
1:C:85:LYS:NZ	1:C:88:ASN:CA[2_958]	0.57	1.63
1:C:178:SER:OG	1:F:372:ASP:O[2_757]	0.57	1.63
1:C:388:ARG:NH2	1:C:391:TYR:CE1[2_958]	0.57	1.63
1:D:68:TYR:N	1:E:121:LEU:C[2_757]	0.57	1.63
1:D:202:ALA:C	1:F:313:THR:CA[2_757]	0.57	1.63
1:D:351:THR:C	1:E:278:VAL:CG2[2_757]	0.57	1.63
1:E:55:ASP:OD1	1:E:148:PRO:CG[2_657]	0.57	1.63
1:A:15:ASP:C	1:A:154:GLU:CB[2_757]	0.58	1.62
1:A:53:THR:CA	1:B:142:ALA:CB[2_757]	0.58	1.62
1:A:90:HIS:CG	1:B:138:ASP:OD2[2_757]	0.58	1.62
1:B:12:VAL:CG1	1:E:366:LEU:C[2_757]	0.58	1.62
1:B:370:GLN:CD	1:C:141:LYS:CD[2_858]	0.58	1.62
1:B:409:ILE:CA	1:C:168:GLN:CD[2_858]	0.58	1.62
1:D:317:HIS:ND1	1:E:243:GLN:O[2_757]	0.58	1.62
1:D:401:VAL:CA	1:E:196:HIS:O[2_757]	0.58	1.62
1:E:47:VAL:O	1:E:178:SER:CA[2_657]	0.58	1.62
1:E:51:ASP:OD1	1:E:179:GLY:C[2_657]	0.58	1.62
1:E:58:THR:CG2	1:F:165:ALA:CA[2_657]	0.58	1.62
5:E:1527:HOH:O	5:E:1527:HOH:O[2_657]	0.58	1.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:67:LYS:N	1:B:149:GLY:N[2_757]	0.59	1.61
1:A:79:PRO:CA	1:A:145:THR:O[2_757]	0.59	1.61
1:A:367:ASN:CG	1:F:55:ASP:CB[2_657]	0.59	1.61
1:B:168:GLN:NE2	3:A:1101:NDP:O3D[2_757]	0.59	1.61
1:B:60:ASP:OD1	1:E:333:ALA:N[2_757]	0.59	1.61
1:B:83:ARG:CG	1:E:351:THR:C[2_757]	0.59	1.61
1:B:119:PRO:CD	1:C:101:ARG:N[2_858]	0.59	1.61
1:B:310:ALA:CA	1:E:410:LYS:O[2_757]	0.59	1.61
1:B:357:PHE:CD1	1:D:148:PRO:CB[2_858]	0.59	1.61
1:B:377:LYS:O	1:C:108:VAL:N[2_858]	0.59	1.61
1:B:386:ASN:CG	1:C:295:SER:CA[2_858]	0.59	1.61
1:D:205:LYS:CG	3:F:1601:NDP:O5D[2_757]	0.59	1.61
1:D:256:MET:O	1:F:323:LYS:CB[2_757]	0.59	1.61
1:D:334:SER:N	1:E:208:ASN:CA[2_757]	0.59	1.61
1:D:374:ILE:CA	1:E:236:GLN:CG[2_757]	0.59	1.61
1:A:2:PHE:CB	1:E:155:LEU:CB[2_657]	0.60	1.60
1:A:57:ILE:CB	1:B:143:THR:O[2_757]	0.60	1.60
1:B:325:GLU:CG	1:C:207:LEU:O[2_858]	0.60	1.60
1:B:352:PRO:O	1:C:161:ASP:C[2_858]	0.60	1.60
1:B:390:ALA:N	1:C:276:GLY:C[2_858]	0.60	1.60
1:C:317:HIS:CD2	1:C:325:GLU:N[2_958]	0.60	1.60
1:D:102:ASN:ND2	1:F:384:GLY:O[2_757]	0.60	1.60
1:D:196:HIS:NE2	1:F:332:ILE:CG1[2_757]	0.60	1.60
1:D:243:GLN:CB	1:F:14:LEU:O[2_757]	0.60	1.60
1:E:58:THR:CB	1:F:165:ALA:CB[2_657]	0.60	1.60
1:E:88:ASN:CA	1:F:191:ILE:CD1[2_657]	0.60	1.60
1:A:131:ILE:CD1	1:C:8:LYS:CD[2_858]	0.61	1.59
1:A:371:GLN:OE1	1:F:50:ARG:CB[2_657]	0.61	1.59
1:B:89:LEU:CD2	1:E:343:LEU:O[2_757]	0.61	1.59
1:B:332:ILE:CA	1:C:189:GLU:C[2_858]	0.61	1.59
1:D:69:GLY:N	1:E:122:VAL:CG2[2_757]	0.61	1.59
1:D:185:TYR:CA	1:F:389:SER:OG[2_757]	0.61	1.59
1:D:411:SER:N	1:E:136:HIS:CG[2_757]	0.61	1.59
1:A:216:THR:CB	1:E:5:ILE:CA[2_757]	0.62	1.58
1:A:314:VAL:N	1:B:167:PRO:N[2_757]	0.62	1.58
1:A:397:PHE:CD1	1:F:62:ALA:CB[2_657]	0.62	1.58
1:B:14:LEU:CG	1:E:363:SER:O[2_757]	0.62	1.58
1:B:57:ILE:CA	1:E:336:PHE:CG[2_757]	0.62	1.58
1:B:354:LEU:N	1:C:164:THR:N[2_858]	0.62	1.58
1:B:393:THR:OG1	1:C:211:LEU:CG[2_858]	0.62	1.58
1:D:239:SER:C	1:F:24:TRP:CE2[2_757]	0.62	1.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:243:GLN:N	1:F:15:ASP:CA[2_757]	0.62	1.58
1:E:82:ALA:N	1:F:227:ASP:CG[2_657]	0.62	1.58
1:E:87:PHE:N	1:F:228:ILE:CD1[2_657]	0.62	1.58
1:A:45:LEU:CD2	1:A:155:LEU:CB[2_757]	0.63	1.57
1:A:74:CYS:O	1:B:156:VAL:CG2[2_757]	0.63	1.57
1:A:317:HIS:C	1:B:162:PRO:N[2_757]	0.63	1.57
1:B:11:VAL:N	1:E:370:GLN:O[2_757]	0.63	1.57
1:B:362:GLU:CD	1:D:176:LYS:C[2_858]	0.63	1.57
1:D:105:GLY:CA	1:F:381:LEU:O[2_757]	0.63	1.57
1:D:268:ILE:CD1	1:F:314:VAL:C[2_757]	0.63	1.57
1:A:65:ILE:C	1:A:157:TYR:OH[2_757]	0.64	1.56
1:A:88:ASN:CA	1:B:187:THR:O[2_757]	0.64	1.56
1:A:96:PRO:C	1:B:172:VAL:CG2[2_757]	0.64	1.56
1:A:103:ILE:CB	1:B:173:TYR:CD2[2_757]	0.64	1.56
1:A:214:LYS:CE	1:E:3:SER:C[2_757]	0.64	1.56
1:B:123:PRO:CB	1:C:61:ALA:CA[2_858]	0.64	1.56
1:B:380:ALA:C	1:C:108:VAL:CG2[2_858]	0.64	1.56
1:D:85:LYS:NZ	1:D:87:PHE:CE1[2_858]	0.64	1.56
1:D:196:HIS:CG	1:F:330:ASN:ND2[2_757]	0.64	1.56
1:D:202:ALA:CA	1:F:313:THR:C[2_757]	0.64	1.56
1:D:296:ILE:CG2	1:E:259:GLN:CG[2_757]	0.64	1.56
1:D:348:LEU:CG	1:F:282:ILE:CG2[2_757]	0.64	1.56
1:D:406:GLN:OE1	1:E:299:THR:O[2_757]	0.64	1.56
1:D:411:SER:CA	1:E:136:HIS:ND1[2_757]	0.64	1.56
1:E:60:ASP:CA	1:F:162:PRO:CD[2_657]	0.64	1.56
1:A:28:LYS:CB	1:E:176:LYS:NZ[2_657]	0.65	1.55
1:A:33:LEU:C	1:E:174:ASP:CA[2_657]	0.65	1.55
1:A:117:ARG:NH1	1:F:46:SER:N[2_657]	0.65	1.55
1:A:264:LYS:CB	1:C:341:GLY:C[2_858]	0.65	1.55
1:A:264:LYS:CG	1:C:341:GLY:CA[2_858]	0.65	1.55
1:A:315:THR:CG2	1:B:165:ALA:CB[2_757]	0.65	1.55
1:A:406:GLN:OE1	1:F:141:LYS:N[2_657]	0.65	1.55
1:B:45:LEU:CD2	1:E:362:GLU:CB[2_757]	0.65	1.55
1:B:59:GLN:CA	1:E:335:ILE:CB[2_757]	0.65	1.55
1:B:73:LYS:CB	1:E:408:GLU:OE1[2_757]	0.65	1.55
1:B:329:THR:N	1:C:194:PHE:O[2_858]	0.65	1.55
1:B:386:ASN:C	1:C:110:ARG:CG[2_858]	0.65	1.55
1:B:411:SER:CA	1:C:168:GLN:O[2_858]	0.65	1.55
1:D:185:TYR:CD1	1:F:387:GLU:OE1[2_757]	0.65	1.55
1:D:357:PHE:CE1	1:E:133:ARG:N[2_757]	0.65	1.55
1:D:364:ALA:N	1:E:229:PHE:CE1[2_757]	0.65	1.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:370:GLN:CA	1:E:231:GLU:CA[2_757]	0.65	1.55
1:A:104:LEU:CA	1:B:174:ASP:C[2_757]	0.66	1.54
1:A:206:LYS:CE	5:C:1350:HOH:O[2_858]	0.66	1.54
1:A:369:VAL:O	1:F:45:LEU:CD2[2_657]	0.66	1.54
1:A:371:GLN:CA	1:F:50:ARG:CD[2_657]	0.66	1.54
1:A:381:LEU:CD1	1:F:10:PRO:CB[2_657]	0.66	1.54
1:B:54:SER:CB	1:E:307:SER:CB[2_757]	0.66	1.54
1:B:66:LYS:O	1:E:374:ILE:CG2[2_757]	0.66	1.54
1:B:73:LYS:NZ	1:E:360:ILE:CG2[2_757]	0.66	1.54
1:B:122:VAL:O	1:C:63:GLU:C[2_858]	0.66	1.54
1:B:359:ASN:CA	1:D:150:PRO:CA[2_858]	0.66	1.54
1:D:212:SER:CA	1:F:325:GLU:C[2_757]	0.66	1.54
1:D:232:VAL:CG2	1:F:397:PHE:CD2[2_757]	0.66	1.54
1:D:242:GLU:CA	1:F:15:ASP:OD1[2_757]	0.66	1.54
1:D:243:GLN:C	1:F:15:ASP:O[2_757]	0.66	1.54
1:D:266:GLY:CA	1:F:319:ARG:NH2[2_757]	0.66	1.54
1:D:306:GLU:N	1:E:263:SER:N[2_757]	0.66	1.54
1:D:360:ILE:C	1:E:194:PHE:CE1[2_757]	0.66	1.54
1:D:362:GLU:OE1	1:E:211:LEU:C[2_757]	0.66	1.54
1:D:397:PHE:CD1	1:E:237:TYR:CG[2_757]	0.66	1.54
1:D:404:ARG:NH2	1:E:192:GLU:CG[2_757]	0.66	1.54
1:D:409:ILE:O	1:E:136:HIS:CA[2_757]	0.66	1.54
1:E:91:LYS:CB	1:E:145:THR:C[2_657]	0.66	1.54
1:A:18:GLU:OE2	1:B:157:TYR:OH[2_757]	0.67	1.53
1:A:51:ASP:CA	1:B:185:TYR:N[2_757]	0.67	1.53
1:A:76:THR:OG1	1:B:155:LEU:O[2_757]	0.67	1.53
1:A:83:ARG:CZ	1:A:148:PRO:CD[2_757]	0.67	1.53
1:A:114:VAL:CG2	1:C:38:VAL:N[2_858]	0.67	1.53
1:B:287:PHE:CB	1:C:66:LYS:CE[2_858]	0.67	1.53
1:B:368:THR:CA	1:C:185:TYR:O[2_858]	0.67	1.53
1:B:375:MET:C	1:C:134:HIS:CB[2_858]	0.67	1.53
1:C:388:ARG:CG	1:C:392:VAL:CA[2_958]	0.67	1.53
1:D:35:TYR:CZ	1:E:107:THR:O[2_757]	0.67	1.53
1:D:268:ILE:CA	1:F:315:THR:O[2_757]	0.67	1.53
1:E:92:MET:N	1:E:146:LEU:CD1[2_657]	0.67	1.53
1:A:63:GLU:OE1	1:B:180:VAL:N[2_757]	0.68	1.52
1:A:404:ARG:NE	5:F:1608:HOH:O[2_657]	0.68	1.52
1:B:22:ILE:CG2	1:C:233:TYR:N[2_858]	0.68	1.52
1:B:81:GLU:CG	1:E:8:LYS:CG[2_757]	0.68	1.52
1:B:319:ARG:N	1:C:203:ILE:CD1[2_858]	0.68	1.52
1:B:328:SER:N	1:C:198:SER:CB[2_858]	0.68	1.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:374:ILE:CB	1:C:138:ASP:OD2[2_858]	0.68	1.52
1:B:406:GLN:N	1:D:146:LEU:N[2_858]	0.68	1.52
1:D:83:ARG:O	1:D:85:LYS:CG[2_858]	0.68	1.52
1:D:186:ASN:CB	1:F:390:ALA:N[2_757]	0.68	1.52
1:D:212:SER:C	1:F:326:GLU:N[2_757]	0.68	1.52
1:D:354:LEU:C	1:E:275:ASP:O[2_757]	0.68	1.52
1:E:85:LYS:CB	1:F:225:PHE:C[2_657]	0.68	1.52
1:A:3:SER:OG	1:E:170:LEU:N[2_657]	0.69	1.51
1:A:44:ASP:CG	1:A:171:LYS:C[2_757]	0.69	1.51
1:A:78:THR:C	1:A:145:THR:CB[2_757]	0.69	1.51
1:A:87:PHE:CD2	1:A:175:TYR:CD2[2_757]	0.69	1.51
1:A:120:ARG:C	1:C:41:LYS:CB[2_858]	0.69	1.51
1:A:122:VAL:O	1:C:12:VAL:N[2_858]	0.69	1.51
1:A:207:LEU:CA	1:C:352:PRO:O[2_858]	0.69	1.51
1:A:391:TYR:N	1:F:71:GLY:CA[2_657]	0.69	1.51
1:B:63:GLU:C	1:E:397:PHE:CZ[2_757]	0.69	1.51
1:B:119:PRO:CA	1:C:100:ILE:CA[2_858]	0.69	1.51
1:B:362:GLU:CG	1:D:177:GLY:N[2_858]	0.69	1.51
1:B:362:GLU:N	1:D:177:GLY:O[2_858]	0.69	1.51
1:B:378:ASP:CA	1:C:107:THR:N[2_858]	0.69	1.51
1:D:2:PHE:CD1	1:E:100:ILE:CA[2_757]	0.69	1.51
1:D:130:ILE:CG2	1:F:316:ARG:CG[2_757]	0.69	1.51
1:A:15:ASP:OD1	1:A:154:GLU:OE2[2_757]	0.70	1.50
1:A:34:PRO:N	1:E:174:ASP:N[2_657]	0.70	1.50
1:A:92:MET:CA	1:B:221:TYR:CA[2_757]	0.70	1.50
1:A:365:THR:CB	1:F:59:GLN:CD[2_657]	0.70	1.50
1:B:10:PRO:CB	1:E:117:ARG:CD[2_757]	0.70	1.50
1:B:290:LEU:CG	1:C:301:ASP:CA[2_858]	0.70	1.50
1:B:379:LEU:C	1:C:135:ALA:CB[2_858]	0.70	1.50
1:D:2:PHE:CE2	1:E:101:ARG:N[2_757]	0.70	1.50
1:D:229:PHE:CA	1:F:394:THR:O[2_757]	0.70	1.50
1:D:256:MET:CE	1:F:323:LYS:N[2_757]	0.70	1.50
1:D:306:GLU:C	1:E:263:SER:CB[2_757]	0.70	1.50
1:D:399:ASP:C	1:E:200:LYS:CD[2_757]	0.70	1.50
1:E:53:THR:OG1	1:E:151:GLY:CA[2_657]	0.70	1.50
1:A:2:PHE:C	1:E:155:LEU:N[2_657]	0.71	1.49
1:A:65:ILE:CB	1:A:157:TYR:CE1[2_757]	0.71	1.49
1:A:67:LYS:CB	1:B:148:PRO:CA[2_757]	0.71	1.49
1:A:79:PRO:CA	1:A:145:THR:C[2_757]	0.71	1.49
1:A:267:PHE:CD2	1:C:346:GLY:N[2_858]	0.71	1.49
1:A:391:TYR:CD2	1:F:70:VAL:O[2_657]	0.71	1.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:80:ASP:O	1:E:351:THR:OG1[2_757]	0.71	1.49
1:B:328:SER:CA	1:C:198:SER:OG[2_858]	0.71	1.49
1:B:404:ARG:CG	1:D:181:ALA:CA[2_858]	0.71	1.49
1:B:405:LEU:CD2	1:D:147:ILE:CA[2_858]	0.71	1.49
1:D:36:LEU:CA	1:E:110:ARG:CG[2_757]	0.71	1.49
1:D:105:GLY:CA	1:F:381:LEU:C[2_757]	0.71	1.49
1:D:196:HIS:CB	1:F:330:ASN:CG[2_757]	0.71	1.49
1:D:207:LEU:C	1:F:18:GLU:CB[2_757]	0.71	1.49
1:D:304:THR:CB	1:F:121:LEU:CB[2_757]	0.71	1.49
1:A:34:PRO:CA	1:E:173:TYR:C[2_657]	0.72	1.48
1:A:56:LYS:CE	1:A:218:LEU:CD2[2_757]	0.72	1.48
1:A:80:ASP:CA	1:A:146:LEU:CD1[2_757]	0.72	1.48
1:A:87:PHE:C	1:B:187:THR:CA[2_757]	0.72	1.48
1:A:216:THR:CA	1:E:5:ILE:C[2_757]	0.72	1.48
1:A:264:LYS:N	1:C:341:GLY:O[2_858]	0.72	1.48
1:A:399:ASP:C	1:F:102:ASN:CA[2_657]	0.72	1.48
1:F:301:ASP:OD2	5:A:1110:HOH:O[2_657]	0.72	1.48
1:D:9:GLN:OE1	1:E:285:GLN:CG[2_757]	0.72	1.48
1:D:199:PHE:CD1	1:F:23:ILE:CD1[2_757]	0.72	1.48
1:D:201:LEU:CD2	3:F:1601:NDP:O2A[2_757]	0.72	1.48
1:D:205:LYS:CE	3:F:1601:NDP:O2N[2_757]	0.72	1.48
1:D:241:PHE:CG	1:F:20:THR:C[2_757]	0.72	1.48
1:A:59:GLN:C	1:B:181:ALA:CA[2_757]	0.73	1.47
1:A:123:PRO:N	1:C:12:VAL:CA[2_858]	0.73	1.47
1:A:150:PRO:O	1:A:318:TYR:CE2[2_757]	0.73	1.47
1:A:207:LEU:CD2	1:C:353:ALA:C[2_858]	0.73	1.47
1:A:207:LEU:CG	1:C:353:ALA:CA[2_858]	0.73	1.47
1:B:45:LEU:CD1	1:E:362:GLU:N[2_757]	0.73	1.47
1:B:68:TYR:CD2	1:E:375:MET:CE[2_757]	0.73	1.47
1:B:79:PRO:CG	1:E:354:LEU:CD2[2_757]	0.73	1.47
1:B:79:PRO:CA	1:E:354:LEU:CB[2_757]	0.73	1.47
1:B:84:VAL:C	1:E:349:ASP:N[2_757]	0.73	1.47
1:B:326:GLU:N	1:C:209:LEU:CA[2_858]	0.73	1.47
1:B:394:THR:CA	1:C:229:PHE:CE1[2_858]	0.73	1.47
1:B:397:PHE:CA	1:C:225:PHE:CD2[2_858]	0.73	1.47
1:C:316:ARG:CG	1:C:322:GLN:O[2_958]	0.73	1.47
1:D:191:ILE:O	1:F:376:THR:CA[2_757]	0.73	1.47
1:D:243:GLN:CA	1:F:15:ASP:N[2_757]	0.73	1.47
1:D:268:ILE:CD1	1:F:315:THR:N[2_757]	0.73	1.47
1:D:352:PRO:CB	1:E:274:TYR:CZ[2_757]	0.73	1.47
1:D:363:SER:C	1:E:229:PHE:CD1[2_757]	0.73	1.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:406:GLN:CD	1:E:299:THR:O[2_757]	0.73	1.47
1:E:86:GLU:CA	1:F:228:ILE:CB[2_657]	0.73	1.47
1:A:88:ASN:ND2	1:B:190:SER:N[2_757]	0.74	1.46
1:A:111:GLU:CD	1:C:6:LYS:CB[2_858]	0.74	1.46
1:A:391:TYR:CG	1:F:70:VAL:O[2_657]	0.74	1.46
1:A:398:LEU:CA	1:F:103:ILE:CA[2_657]	0.74	1.46
1:B:57:ILE:N	1:E:336:PHE:CA[2_757]	0.74	1.46
1:B:317:HIS:CA	1:C:200:LYS:N[2_858]	0.74	1.46
1:B:325:GLU:CG	1:C:207:LEU:C[2_858]	0.74	1.46
1:B:362:GLU:OE1	1:D:176:LYS:CA[2_858]	0.74	1.46
1:C:316:ARG:CA	1:C:323:LYS:N[2_958]	0.74	1.46
1:D:9:GLN:C	1:E:285:GLN:N[2_757]	0.74	1.46
1:D:191:ILE:CD1	1:F:391:TYR:C[2_757]	0.74	1.46
1:D:335:ILE:O	1:E:268:ILE:O[2_757]	0.74	1.46
1:D:379:LEU:CG	1:E:238:LYS:CG[2_757]	0.74	1.46
1:E:62:ALA:N	1:F:163:THR:N[2_657]	0.74	1.46
1:E:90:HIS:CG	1:E:181:ALA:CA[2_657]	0.74	1.46
1:A:4:LYS:CE	1:E:153:LEU:N[2_657]	0.75	1.45
1:A:66:LYS:O	1:B:149:GLY:CA[2_757]	0.75	1.45
1:A:88:ASN:N	1:B:187:THR:C[2_757]	0.75	1.45
1:A:92:MET:CB	1:B:221:TYR:N[2_757]	0.75	1.45
1:A:316:ARG:N	1:B:165:ALA:O[2_757]	0.75	1.45
1:A:317:HIS:CA	1:B:162:PRO:C[2_757]	0.75	1.45
1:A:326:GLU:CD	1:F:305:PHE:CE2[2_657]	0.75	1.45
1:A:391:TYR:CE1	1:F:70:VAL:CA[2_657]	0.75	1.45
1:A:395:GLU:O	1:F:104:LEU:C[2_657]	0.75	1.45
1:A:395:GLU:C	1:F:104:LEU:C[2_657]	0.75	1.45
1:B:383:CYS:CB	1:C:101:ARG:CD[2_858]	0.75	1.45
1:B:387:GLU:N	1:C:110:ARG:CD[2_858]	0.75	1.45
1:D:23:ILE:CB	1:E:206:LYS:CA[2_757]	0.75	1.45
1:D:73:LYS:N	1:E:265:GLY:C[2_757]	0.75	1.45
1:D:191:ILE:C	1:F:376:THR:N[2_757]	0.75	1.45
1:D:238:LYS:CD	1:F:25:ASP:C[2_757]	0.75	1.45
1:D:303:LYS:CA	1:F:286:GLY:N[2_757]	0.75	1.45
1:D:343:LEU:CD2	1:E:253:ILE:CD1[2_757]	0.75	1.45
1:D:355:CYS:C	1:E:275:ASP:CB[2_757]	0.75	1.45
1:D:367:ASN:C	1:E:232:VAL:CG2[2_757]	0.75	1.45
1:E:49:SER:N	1:E:177:GLY:CA[2_657]	0.75	1.45
1:E:93:TRP:CE3	1:E:146:LEU:O[2_657]	0.75	1.45
1:A:10:PRO:CA	1:A:166:GLN:CD[2_757]	0.76	1.44
1:A:63:GLU:CD	1:B:180:VAL:N[2_757]	0.76	1.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:78:THR:O	1:A:145:THR:OG1[2_757]	0.76	1.44
1:A:86:GLU:CG	1:A:178:SER:CA[2_757]	0.76	1.44
1:A:95:SER:CA	1:A:143:THR:CG2[2_757]	0.76	1.44
1:A:97:ASN:C	1:B:171:LYS:C[2_757]	0.76	1.44
1:A:101:ARG:CD	1:B:171:LYS:CG[2_757]	0.76	1.44
1:A:102:ASN:OD1	1:A:185:TYR:OH[2_757]	0.76	1.44
1:A:111:GLU:OE1	1:C:6:LYS:CA[2_858]	0.76	1.44
1:B:40:LEU:C	1:E:370:GLN:NE2[2_757]	0.76	1.44
1:B:56:LYS:CA	1:E:337:ALA:N[2_757]	0.76	1.44
1:B:125:TRP:C	1:C:63:GLU:CD[2_858]	0.76	1.44
1:B:290:LEU:CD1	1:C:301:ASP:O[2_858]	0.76	1.44
1:B:329:THR:CB	1:C:196:HIS:N[2_858]	0.76	1.44
1:B:385:ASN:CA	1:C:110:ARG:NH2[2_858]	0.76	1.44
1:B:392:VAL:CG1	1:C:272:LYS:CA[2_858]	0.76	1.44
1:B:406:GLN:OE1	1:C:220:LYS:CG[2_858]	0.76	1.44
1:D:11:VAL:O	1:E:287:PHE:CG[2_757]	0.76	1.44
1:D:67:LYS:O	1:E:121:LEU:O[2_757]	0.76	1.44
1:D:68:TYR:N	1:E:122:VAL:N[2_757]	0.76	1.44
1:D:134:HIS:CB	1:F:377:LYS:CD[2_757]	0.76	1.44
1:D:136:HIS:O	1:F:386:ASN:CA[2_757]	0.76	1.44
1:D:189:GLU:C	1:F:375:MET:CG[2_757]	0.76	1.44
1:D:242:GLU:CA	1:F:15:ASP:CG[2_757]	0.76	1.44
1:D:242:GLU:C	1:F:15:ASP:CB[2_757]	0.76	1.44
1:E:59:GLN:O	1:F:162:PRO:CB[2_657]	0.76	1.44
1:E:59:GLN:CD	1:F:167:PRO:CD[2_657]	0.76	1.44
1:E:90:HIS:CD2	1:E:181:ALA:CB[2_657]	0.76	1.44
1:A:48:GLU:CB	1:A:173:TYR:CG[2_757]	0.77	1.43
1:A:81:GLU:O	1:B:224:ARG:CD[2_757]	0.77	1.43
1:A:283:VAL:CA	1:C:9:GLN:OE1[2_858]	0.77	1.43
1:A:326:GLU:OE1	1:F:305:PHE:CD2[2_657]	0.77	1.43
1:A:399:ASP:C	1:F:102:ASN:N[2_657]	0.77	1.43
1:A:406:GLN:CD	1:F:141:LYS:CA[2_657]	0.77	1.43
1:B:124:ARG:NH2	1:F:39:ASP:OD2[2_657]	0.77	1.43
1:B:135:ALA:CB	1:E:406:GLN:NE2[2_757]	0.77	1.43
1:B:261:ILE:CA	1:C:67:LYS:CE[2_858]	0.77	1.43
1:B:264:LYS:NZ	5:F:1633:HOH:O[2_657]	0.77	1.43
1:B:297:LEU:CA	1:E:407:LYS:CE[2_757]	0.77	1.43
1:B:321:TYR:CA	1:C:241:PHE:CE1[2_858]	0.77	1.43
1:B:367:ASN:CA	1:C:185:TYR:CG[2_858]	0.77	1.43
1:B:386:ASN:OD1	1:C:295:SER:CA[2_858]	0.77	1.43
1:D:2:PHE:CE1	1:E:100:ILE:CA[2_757]	0.77	1.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:7:VAL:CB	1:E:280:SER:O[2_757]	0.77	1.43
1:D:70:VAL:CB	1:E:125:TRP:CZ2[2_757]	0.77	1.43
1:D:102:ASN:O	1:F:384:GLY:CA[2_757]	0.77	1.43
1:D:134:HIS:CA	1:F:377:LYS:CD[2_757]	0.77	1.43
1:D:196:HIS:CA	1:F:330:ASN:CB[2_757]	0.77	1.43
1:D:205:LYS:CB	3:F:1601:NDP:C5D[2_757]	0.77	1.43
1:D:229:PHE:CG	1:F:394:THR:CA[2_757]	0.77	1.43
1:E:56:LYS:C	1:F:159:PRO:CA[2_657]	0.77	1.43
1:E:93:TRP:CE2	1:E:147:ILE:N[2_657]	0.77	1.43
1:A:14:LEU:CB	1:A:156:VAL:CA[2_757]	0.78	1.42
1:A:21:ARG:NH1	1:A:171:LYS:CE[2_757]	0.78	1.42
1:A:120:ARG:CG	1:C:40:LEU:CA[2_858]	0.78	1.42
1:A:149:GLY:C	5:A:1124:HOH:O[2_757]	0.78	1.42
1:A:297:LEU:CD2	1:B:174:ASP:OD2[2_757]	0.78	1.42
1:A:326:GLU:OE1	1:F:305:PHE:CE2[2_657]	0.78	1.42
1:B:43:TYR:CG	1:E:366:LEU:CG[2_757]	0.78	1.42
1:B:54:SER:OG	1:E:307:SER:CB[2_757]	0.78	1.42
1:B:57:ILE:CB	1:E:336:PHE:CD2[2_757]	0.78	1.42
1:B:126:GLU:N	1:C:63:GLU:OE1[2_858]	0.78	1.42
1:B:368:THR:N	1:C:185:TYR:C[2_858]	0.78	1.42
1:D:72:ILE:CD1	1:E:129:ILE:CG2[2_757]	0.78	1.42
1:D:229:PHE:CB	1:F:394:THR:CA[2_757]	0.78	1.42
1:D:238:LYS:CD	1:F:25:ASP:O[2_757]	0.78	1.42
1:D:240:LYS:C	1:F:74:CYS:CB[2_757]	0.78	1.42
1:D:241:PHE:CG	1:F:20:THR:O[2_757]	0.78	1.42
1:D:407:LYS:NZ	1:E:300:PRO:CB[2_757]	0.78	1.42
1:E:82:ALA:O	1:F:228:ILE:N[2_657]	0.78	1.42
1:A:43:TYR:C	1:A:170:LEU:CA[2_757]	0.79	1.41
1:A:93:TRP:CB	1:A:182:MET:CB[2_757]	0.79	1.41
1:A:218:LEU:C	1:E:37:ASP:CG[2_757]	0.79	1.41
1:A:327:THR:O	1:F:304:THR:OG1[2_657]	0.79	1.41
1:A:388:ARG:CB	1:F:341:GLY:O[2_657]	0.79	1.41
1:A:391:TYR:CE1	1:F:70:VAL:N[2_657]	0.79	1.41
1:A:393:THR:CA	1:F:304:THR:CG2[2_657]	0.79	1.41
1:A:397:PHE:CE1	1:F:62:ALA:CB[2_657]	0.79	1.41
1:B:14:LEU:CB	1:E:363:SER:CA[2_757]	0.79	1.41
1:B:41:LYS:NZ	1:E:118:ILE:CA[2_757]	0.79	1.41
1:B:47:VAL:CA	1:E:343:LEU:CD2[2_757]	0.79	1.41
1:B:65:ILE:CB	1:E:368:THR:CB[2_757]	0.79	1.41
1:B:99:THR:CA	1:E:31:LEU:CB[2_757]	0.79	1.41
1:B:297:LEU:CD2	1:E:403:LYS:CA[2_757]	0.79	1.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:372:ASP:C	1:C:139:GLN:N[2_858]	0.79	1.41
1:B:394:THR:CG2	1:C:195:ALA:CB[2_858]	0.79	1.41
1:E:405:LEU:O	5:B:1215:HOH:O[2_757]	0.79	1.41
1:C:314:VAL:O	1:C:323:LYS:CG[2_958]	0.79	1.41
1:D:6:LYS:CE	1:E:311:HIS:O[2_757]	0.79	1.41
1:D:196:HIS:N	1:F:330:ASN:CA[2_757]	0.79	1.41
1:D:211:LEU:CD2	1:F:327:THR:N[2_757]	0.79	1.41
1:D:239:SER:C	1:F:24:TRP:CD2[2_757]	0.79	1.41
1:D:363:SER:C	1:E:229:PHE:CE1[2_757]	0.79	1.41
1:A:34:PRO:CA	1:E:174:ASP:N[2_657]	0.80	1.40
1:A:63:GLU:C	1:B:147:ILE:CB[2_757]	0.80	1.40
1:A:66:LYS:CA	1:B:149:GLY:O[2_757]	0.80	1.40
1:A:306:GLU:CG	1:B:152:SER:OG[2_757]	0.80	1.40
1:A:383:CYS:CB	1:F:42:TYR:CA[2_657]	0.80	1.40
1:A:410:LYS:CD	1:F:144:ASP:OD1[2_657]	0.80	1.40
1:B:102:ASN:CB	1:E:30:LYS:CA[2_757]	0.80	1.40
1:B:328:SER:N	1:C:198:SER:OG[2_858]	0.80	1.40
1:B:377:LYS:O	1:C:107:THR:C[2_858]	0.80	1.40
1:B:395:GLU:O	1:C:225:PHE:C[2_858]	0.80	1.40
1:B:404:ARG:NE	1:C:184:MET:O[2_858]	0.80	1.40
1:D:173:TYR:CD1	5:B:1219:HOH:O[2_858]	0.80	1.40
1:D:9:GLN:CA	1:E:285:GLN:CB[2_757]	0.80	1.40
1:D:24:TRP:CE3	1:E:207:LEU:CD2[2_757]	0.80	1.40
1:D:241:PHE:CD2	1:F:21:ARG:N[2_757]	0.80	1.40
1:D:298:VAL:CG1	1:F:285:GLN:OE1[2_757]	0.80	1.40
1:E:55:ASP:OD2	5:F:1620:HOH:O[2_657]	0.80	1.40
1:A:43:TYR:CA	1:A:170:LEU:CG[2_757]	0.81	1.39
1:A:85:LYS:CA	1:B:188:ASP:OD1[2_757]	0.81	1.39
1:A:207:LEU:CG	1:C:353:ALA:C[2_858]	0.81	1.39
1:A:287:PHE:N	1:C:10:PRO:CB[2_858]	0.81	1.39
1:A:317:HIS:N	1:B:162:PRO:C[2_757]	0.81	1.39
1:A:383:CYS:N	1:F:42:TYR:N[2_657]	0.81	1.39
1:B:169:THR:CA	3:A:1101:NDP:C7N[2_757]	0.81	1.39
1:B:169:THR:CA	3:A:1101:NDP:O7N[2_757]	0.81	1.39
1:B:18:GLU:OE2	1:C:240:LYS:NZ[2_858]	0.81	1.39
1:B:57:ILE:N	1:E:336:PHE:CB[2_757]	0.81	1.39
1:B:92:MET:CG	1:E:7:VAL:CG1[2_757]	0.81	1.39
1:B:121:LEU:C	1:C:65:ILE:CB[2_858]	0.81	1.39
1:B:317:HIS:CA	1:C:200:LYS:CA[2_858]	0.81	1.39
1:B:398:LEU:CD1	1:C:228:ILE:CB[2_858]	0.81	1.39
1:D:5:ILE:C	1:E:110:ARG:NH1[2_757]	0.81	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:118:ILE:CA	1:E:234:GLU:OE1[2_757]	0.81	1.39
1:D:224:ARG:C	1:F:396:GLU:OE2[2_757]	0.81	1.39
1:D:340:ARG:CB	1:E:256:MET:SD[2_757]	0.81	1.39
1:D:398:LEU:C	1:E:200:LYS:CB[2_757]	0.81	1.39
1:D:402:GLU:O	1:E:197:SER:OG[2_757]	0.81	1.39
1:E:81:GLU:C	1:F:227:ASP:CG[2_657]	0.81	1.39
1:E:91:LYS:CD	1:E:145:THR:CG2[2_657]	0.81	1.39
1:E:93:TRP:CD2	1:E:147:ILE:N[2_657]	0.81	1.39
1:A:91:LYS:C	1:B:221:TYR:CD2[2_757]	0.82	1.38
1:A:117:ARG:CG	1:F:44:ASP:CA[2_657]	0.82	1.38
1:A:207:LEU:CB	1:C:353:ALA:N[2_858]	0.82	1.38
1:A:210:PHE:O	1:C:350:ASN:CG[2_858]	0.82	1.38
1:A:261:ILE:O	1:C:69:GLY:C[2_858]	0.82	1.38
1:A:367:ASN:N	1:F:55:ASP:O[2_657]	0.82	1.38
1:A:368:THR:CA	1:F:58:THR:CG2[2_657]	0.82	1.38
1:A:372:ASP:CG	1:F:96:PRO:N[2_657]	0.82	1.38
1:B:78:THR:N	1:E:353:ALA:O[2_757]	0.82	1.38
1:B:262:LYS:N	1:C:67:LYS:NZ[2_858]	0.82	1.38
1:B:370:GLN:O	1:C:141:LYS:CA[2_858]	0.82	1.38
1:B:391:TYR:CD2	1:C:133:ARG:N[2_858]	0.82	1.38
1:B:406:GLN:N	1:D:145:THR:C[2_858]	0.82	1.38
1:C:317:HIS:NE2	1:C:324:GLY:C[2_958]	0.82	1.38
1:D:35:TYR:CA	1:E:108:VAL:CG1[2_757]	0.82	1.38
1:D:201:LEU:CD1	3:F:1601:NDP:C5B[2_757]	0.82	1.38
1:D:202:ALA:O	1:F:313:THR:CA[2_757]	0.82	1.38
1:D:229:PHE:CB	1:F:394:THR:C[2_757]	0.82	1.38
1:D:230:GLN:OE1	1:F:26:LYS:NZ[2_757]	0.82	1.38
1:D:297:LEU:C	1:E:262:LYS:CG[2_757]	0.82	1.38
1:D:344:LYS:CE	1:E:258:ALA:N[2_757]	0.82	1.38
1:D:352:PRO:N	1:E:278:VAL:CG2[2_757]	0.82	1.38
1:E:49:SER:OG	1:E:150:PRO:CG[2_657]	0.82	1.38
1:A:11:VAL:CG1	1:A:167:PRO:CG[2_757]	0.83	1.37
1:A:71:GLY:O	1:A:158:LYS:CB[2_757]	0.83	1.37
1:A:119:PRO:O	1:C:40:LEU:O[2_858]	0.83	1.37
1:A:401:VAL:CG2	1:F:103:ILE:CD1[2_657]	0.83	1.37
1:B:19:MET:CB	1:C:237:TYR:CZ[2_858]	0.83	1.37
1:B:63:GLU:CD	1:E:331:SER:OG[2_757]	0.83	1.37
1:B:91:LYS:O	1:E:345:ARG:CB[2_757]	0.83	1.37
1:B:387:GLU:CB	1:C:280:SER:OG[2_858]	0.83	1.37
1:B:391:TYR:CZ	1:C:132:GLY:N[2_858]	0.83	1.37
1:B:405:LEU:CG	1:D:147:ILE:N[2_858]	0.83	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:37:ASP:CB	1:E:310:ALA:CA[2_757]	0.83	1.37
1:D:71:GLY:N	1:E:125:TRP:NE1[2_757]	0.83	1.37
1:D:208:ASN:N	1:F:18:GLU:CB[2_757]	0.83	1.37
1:D:303:LYS:CG	1:F:286:GLY:C[2_757]	0.83	1.37
1:D:336:PHE:CA	1:E:210:PHE:N[2_757]	0.83	1.37
1:E:85:LYS:N	1:F:224:ARG:C[2_657]	0.83	1.37
1:A:320:LYS:CA	1:B:161:ASP:OD1[2_757]	0.84	1.36
1:A:328:SER:C	1:F:66:LYS:O[2_657]	0.84	1.36
1:A:379:LEU:CD2	1:F:43:TYR:OH[2_657]	0.84	1.36
1:B:11:VAL:C	1:E:370:GLN:C[2_757]	0.84	1.36
1:B:54:SER:O	1:E:337:ALA:C[2_757]	0.84	1.36
1:B:67:LYS:CA	1:E:375:MET:N[2_757]	0.84	1.36
1:B:290:LEU:CD1	1:C:301:ASP:C[2_858]	0.84	1.36
1:B:318:TYR:C	1:C:203:ILE:CD1[2_858]	0.84	1.36
1:B:369:VAL:CG1	1:C:136:HIS:C[2_858]	0.84	1.36
1:B:398:LEU:CD2	1:C:228:ILE:CD1[2_858]	0.84	1.36
1:D:72:ILE:C	1:E:265:GLY:C[2_757]	0.84	1.36
1:D:85:LYS:NZ	1:D:87:PHE:CD1[2_858]	0.84	1.36
1:D:118:ILE:CG1	1:E:234:GLU:CG[2_757]	0.84	1.36
1:D:330:ASN:CA	1:E:241:PHE:CA[2_757]	0.84	1.36
1:D:358:ALA:C	1:E:271:LEU:CA[2_757]	0.84	1.36
1:D:362:GLU:CD	1:E:211:LEU:C[2_757]	0.84	1.36
1:D:379:LEU:CG	1:E:238:LYS:CB[2_757]	0.84	1.36
1:D:392:VAL:CG2	1:E:240:LYS:CE[2_757]	0.84	1.36
1:D:409:ILE:O	1:E:136:HIS:N[2_757]	0.84	1.36
1:A:18:GLU:OE1	1:B:157:TYR:CE2[2_757]	0.85	1.35
1:A:93:TRP:O	1:A:144:ASP:CB[2_757]	0.85	1.35
1:A:115:ILE:CG1	1:F:60:ASP:OD2[2_657]	0.85	1.35
1:A:268:ILE:N	1:C:351:THR:CA[2_858]	0.85	1.35
1:A:383:CYS:SG	1:F:43:TYR:N[2_657]	0.85	1.35
1:B:41:LYS:NZ	1:E:118:ILE:N[2_757]	0.85	1.35
1:B:50:ARG:C	1:E:340:ARG:CA[2_757]	0.85	1.35
1:B:59:GLN:N	1:E:335:ILE:CB[2_757]	0.85	1.35
1:B:121:LEU:C	1:C:65:ILE:CA[2_858]	0.85	1.35
1:B:319:ARG:C	1:C:203:ILE:CG1[2_858]	0.85	1.35
1:B:321:TYR:CA	1:C:241:PHE:CZ[2_858]	0.85	1.35
1:D:8:LYS:CD	1:F:258:ALA:N[2_757]	0.85	1.35
1:D:113:ILE:CG1	1:E:249:GLU:CA[2_757]	0.85	1.35
1:D:185:TYR:CZ	1:F:387:GLU:OE2[2_757]	0.85	1.35
1:D:231:GLU:OE2	1:F:400:ALA:N[2_757]	0.85	1.35
1:D:240:LYS:O	1:F:74:CYS:CB[2_757]	0.85	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:304:THR:OG1	1:F:121:LEU:CB[2_757]	0.85	1.35
1:D:358:ALA:CA	1:E:271:LEU:CB[2_757]	0.85	1.35
1:D:376:THR:OG1	1:E:237:TYR:O[2_757]	0.85	1.35
1:D:378:ASP:OD1	1:E:238:LYS:O[2_757]	0.85	1.35
1:E:56:LYS:C	1:F:159:PRO:CB[2_657]	0.85	1.35
1:E:61:ALA:N	1:F:161:ASP:C[2_657]	0.85	1.35
1:E:88:ASN:CB	1:F:191:ILE:CG1[2_657]	0.85	1.35
1:A:10:PRO:C	1:A:166:GLN:CB[2_757]	0.86	1.34
1:A:78:THR:CA	1:A:145:THR:CG2[2_757]	0.86	1.34
1:A:90:HIS:CB	1:B:138:ASP:OD1[2_757]	0.86	1.34
1:B:14:LEU:CB	1:E:363:SER:C[2_757]	0.86	1.34
1:B:320:LYS:CD	1:C:202:ALA:N[2_858]	0.86	1.34
1:B:320:LYS:NZ	1:C:201:LEU:CD2[2_858]	0.86	1.34
1:B:326:GLU:C	1:C:209:LEU:CG[2_858]	0.86	1.34
1:B:332:ILE:CG1	1:C:190:SER:CA[2_858]	0.86	1.34
1:B:361:LEU:CG	1:D:178:SER:CB[2_858]	0.86	1.34
1:B:373:GLY:N	1:C:138:ASP:C[2_858]	0.86	1.34
1:B:389:SER:C	1:C:276:GLY:C[2_858]	0.86	1.34
1:B:404:ARG:CZ	1:C:184:MET:O[2_858]	0.86	1.34
1:D:32:ILE:CG1	1:E:130:ILE:CG2[2_757]	0.86	1.34
1:D:113:ILE:CG1	1:E:249:GLU:CB[2_757]	0.86	1.34
1:D:225:PHE:CE1	1:F:388:ARG:NH1[2_757]	0.86	1.34
1:D:229:PHE:C	1:F:394:THR:O[2_757]	0.86	1.34
1:D:238:LYS:CA	1:F:24:TRP:CA[2_757]	0.86	1.34
1:D:240:LYS:N	1:F:24:TRP:CE3[2_757]	0.86	1.34
1:D:243:GLN:CB	1:F:14:LEU:C[2_757]	0.86	1.34
1:D:249:GLU:CB	1:F:321:TYR:OH[2_757]	0.86	1.34
1:D:306:GLU:CB	1:E:263:SER:CA[2_757]	0.86	1.34
1:D:340:ARG:NH2	1:E:251:ARG:N[2_757]	0.86	1.34
1:D:340:ARG:CG	1:E:256:MET:SD[2_757]	0.86	1.34
1:D:369:VAL:N	1:E:232:VAL:C[2_757]	0.86	1.34
1:D:369:VAL:CA	1:E:232:VAL:C[2_757]	0.86	1.34
1:A:63:GLU:O	1:B:147:ILE:C[2_757]	0.87	1.33
1:A:104:LEU:CD1	1:B:151:GLY:O[2_757]	0.87	1.33
1:A:214:LYS:CE	1:E:3:SER:O[2_757]	0.87	1.33
1:A:368:THR:OG1	1:F:99:THR:CG2[2_657]	0.87	1.33
1:B:12:VAL:CG1	1:E:366:LEU:O[2_757]	0.87	1.33
1:B:51:ASP:OD1	1:E:344:LYS:CB[2_757]	0.87	1.33
1:B:68:TYR:C	1:E:373:GLY:C[2_757]	0.87	1.33
1:B:125:TRP:O	1:C:63:GLU:CG[2_858]	0.87	1.33
1:B:289:SER:OG	1:C:300:PRO:CD[2_858]	0.87	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:320:LYS:CE	1:C:201:LEU:O[2_858]	0.87	1.33
1:B:411:SER:CA	1:C:168:GLN:C[2_858]	0.87	1.33
1:D:40:LEU:CG	1:E:112:PRO:N[2_757]	0.87	1.33
1:D:199:PHE:CE1	1:F:23:ILE:CG1[2_757]	0.87	1.33
1:D:212:SER:CB	1:F:325:GLU:C[2_757]	0.87	1.33
1:D:303:LYS:N	1:F:286:GLY:N[2_757]	0.87	1.33
1:D:330:ASN:CB	1:E:241:PHE:CB[2_757]	0.87	1.33
1:D:333:ALA:CA	1:E:247:HIS:O[2_757]	0.87	1.33
1:D:404:ARG:CZ	1:E:192:GLU:CB[2_757]	0.87	1.33
1:D:404:ARG:NH1	1:E:192:GLU:CA[2_757]	0.87	1.33
1:A:83:ARG:CG	1:A:146:LEU:C[2_757]	0.88	1.32
1:A:88:ASN:CA	1:B:187:THR:C[2_757]	0.88	1.32
1:A:93:TRP:O	1:A:144:ASP:CA[2_757]	0.88	1.32
1:A:102:ASN:C	1:B:173:TYR:CD1[2_757]	0.88	1.32
1:A:117:ARG:CD	1:F:44:ASP:C[2_657]	0.88	1.32
1:A:121:LEU:N	1:C:41:LYS:CB[2_858]	0.88	1.32
1:A:267:PHE:CZ	1:C:345:ARG:O[2_858]	0.88	1.32
1:A:267:PHE:CE2	1:C:345:ARG:C[2_858]	0.88	1.32
1:A:287:PHE:CE1	1:C:9:GLN:O[2_858]	0.88	1.32
1:A:329:THR:N	1:F:66:LYS:O[2_657]	0.88	1.32
1:A:383:CYS:SG	1:F:42:TYR:C[2_657]	0.88	1.32
1:B:169:THR:O	3:A:1101:NDP:N7N[2_757]	0.88	1.32
1:B:11:VAL:CA	1:E:370:GLN:O[2_757]	0.88	1.32
1:B:54:SER:C	1:E:337:ALA:O[2_757]	0.88	1.32
1:B:306:GLU:CD	1:E:404:ARG:C[2_757]	0.88	1.32
1:B:362:GLU:CG	1:D:176:LYS:C[2_858]	0.88	1.32
1:B:403:LYS:CB	1:C:221:TYR:N[2_858]	0.88	1.32
1:B:407:LYS:N	1:D:145:THR:CB[2_858]	0.88	1.32
1:D:27:ILE:CG2	1:E:268:ILE:CD1[2_757]	0.88	1.32
1:D:68:TYR:CE1	1:E:120:ARG:CA[2_757]	0.88	1.32
1:D:136:HIS:O	1:F:386:ASN:N[2_757]	0.88	1.32
1:D:186:ASN:CA	1:F:390:ALA:N[2_757]	0.88	1.32
1:D:193:GLY:C	1:F:378:ASP:OD1[2_757]	0.88	1.32
1:D:202:ALA:O	1:F:313:THR:CB[2_757]	0.88	1.32
1:D:212:SER:CB	1:F:325:GLU:CA[2_757]	0.88	1.32
1:D:225:PHE:N	1:F:396:GLU:OE2[2_757]	0.88	1.32
1:D:358:ALA:N	1:E:271:LEU:CB[2_757]	0.88	1.32
1:E:48:GLU:C	1:E:177:GLY:CA[2_657]	0.88	1.32
1:E:56:LYS:CB	1:F:158:LYS:C[2_657]	0.88	1.32
1:E:83:ARG:C	1:F:224:ARG:NH1[2_657]	0.88	1.32
1:A:15:ASP:OD1	1:A:154:GLU:CD[2_757]	0.89	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:28:LYS:CB	1:E:176:LYS:CE[2_657]	0.89	1.31
1:A:48:GLU:O	1:B:185:TYR:CE2[2_757]	0.89	1.31
1:A:96:PRO:CG	1:B:155:LEU:CB[2_757]	0.89	1.31
1:A:129:ILE:CB	5:C:1309:HOH:O[2_858]	0.89	1.31
1:A:268:ILE:C	1:C:350:ASN:O[2_858]	0.89	1.31
1:A:366:LEU:CB	1:F:56:LYS:CA[2_657]	0.89	1.31
1:A:395:GLU:OE2	1:F:301:ASP:OD1[2_657]	0.89	1.31
1:B:14:LEU:CG	1:E:363:SER:C[2_757]	0.89	1.31
1:B:44:ASP:O	1:E:362:GLU:OE1[2_757]	0.89	1.31
1:B:90:HIS:CA	1:E:70:VAL:CG2[2_757]	0.89	1.31
1:B:321:TYR:C	1:C:241:PHE:CG[2_858]	0.89	1.31
1:B:325:GLU:OE2	1:C:207:LEU:N[2_858]	0.89	1.31
1:B:331:SER:OG	1:C:191:ILE:C[2_858]	0.89	1.31
1:B:354:LEU:CA	1:C:164:THR:CB[2_858]	0.89	1.31
1:B:391:TYR:OH	1:C:132:GLY:N[2_858]	0.89	1.31
1:D:115:ILE:CA	1:E:230:GLN:CG[2_757]	0.89	1.31
1:D:197:SER:C	3:F:1601:NDP:C6A[2_757]	0.89	1.31
1:D:209:LEU:CG	1:F:19:MET:CG[2_757]	0.89	1.31
1:D:231:GLU:CA	1:F:398:LEU:CA[2_757]	0.89	1.31
1:D:242:GLU:O	1:F:15:ASP:CB[2_757]	0.89	1.31
1:D:349:ASP:C	1:F:257:VAL:CG1[2_757]	0.89	1.31
1:D:362:GLU:OE1	1:E:212:SER:N[2_757]	0.89	1.31
1:D:363:SER:O	1:E:229:PHE:CD1[2_757]	0.89	1.31
1:A:10:PRO:CB	1:A:166:GLN:OE1[2_757]	0.90	1.30
1:A:12:VAL:C	1:A:168:GLN:N[2_757]	0.90	1.30
1:A:18:GLU:CD	1:B:157:TYR:CZ[2_757]	0.90	1.30
1:A:46:SER:OG	1:A:173:TYR:N[2_757]	0.90	1.30
1:A:92:MET:CA	1:B:221:TYR:CB[2_757]	0.90	1.30
1:A:283:VAL:N	1:C:9:GLN:OE1[2_858]	0.90	1.30
1:A:294:THR:OG1	1:C:6:LYS:NZ[2_858]	0.90	1.30
1:A:372:ASP:OD2	1:F:96:PRO:CA[2_657]	0.90	1.30
1:A:398:LEU:CB	1:F:103:ILE:O[2_657]	0.90	1.30
1:B:43:TYR:CG	1:E:366:LEU:CD2[2_757]	0.90	1.30
1:B:87:PHE:CD1	5:E:1521:HOH:O[2_757]	0.90	1.30
1:B:93:TRP:CB	1:E:342:LEU:CB[2_757]	0.90	1.30
1:B:104:LEU:CD1	1:E:400:ALA:O[2_757]	0.90	1.30
1:B:141:LYS:CG	1:E:29:LYS:O[2_757]	0.90	1.30
1:B:372:ASP:OD1	1:C:184:MET:CG[2_858]	0.90	1.30
1:D:13:GLU:CD	1:E:128:PRO:CB[2_757]	0.90	1.30
1:D:63:GLU:O	1:E:123:PRO:CB[2_757]	0.90	1.30
1:D:192:GLU:N	1:F:375:MET:C[2_757]	0.90	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:206:LYS:CG	1:F:76:THR:O[2_757]	0.90	1.30
1:D:236:GLN:O	1:F:334:SER:C[2_757]	0.90	1.30
1:D:244:LEU:N	1:F:15:ASP:C[2_757]	0.90	1.30
1:D:248:TYR:CA	1:F:22:ILE:CG1[2_757]	0.90	1.30
1:D:354:LEU:C	1:E:275:ASP:C[2_757]	0.90	1.30
1:D:367:ASN:OD1	1:E:228:ILE:CA[2_757]	0.90	1.30
1:D:370:GLN:N	1:E:232:VAL:N[2_757]	0.90	1.30
1:F:386:ASN:ND2	5:D:1405:HOH:O[2_757]	0.90	1.30
1:E:86:GLU:CA	1:F:228:ILE:CG2[2_657]	0.90	1.30
1:E:89:LEU:CD2	1:F:188:ASP:OD1[2_657]	0.90	1.30
1:A:33:LEU:C	1:E:174:ASP:CB[2_657]	0.91	1.29
1:A:63:GLU:CA	1:B:147:ILE:CB[2_757]	0.91	1.29
1:A:306:GLU:CB	1:B:152:SER:OG[2_757]	0.91	1.29
1:B:19:MET:CE	1:C:199:PHE:CB[2_858]	0.91	1.29
1:B:26:LYS:CA	1:C:231:GLU:CD[2_858]	0.91	1.29
1:B:30:LYS:NZ	1:C:227:ASP:CA[2_858]	0.91	1.29
1:B:45:LEU:O	1:E:359:ASN:CA[2_757]	0.91	1.29
1:B:51:ASP:CA	1:E:340:ARG:O[2_757]	0.91	1.29
1:B:66:LYS:CG	1:E:397:PHE:CA[2_757]	0.91	1.29
1:B:76:THR:CG2	1:E:360:ILE:N[2_757]	0.91	1.29
1:B:90:HIS:C	1:E:70:VAL:CG2[2_757]	0.91	1.29
1:B:297:LEU:CD1	1:E:403:LYS:CG[2_757]	0.91	1.29
1:B:311:HIS:O	1:E:411:SER:C[2_757]	0.91	1.29
1:B:391:TYR:CD1	1:C:132:GLY:C[2_858]	0.91	1.29
1:B:399:ASP:O	1:C:221:TYR:O[2_858]	0.91	1.29
1:C:317:HIS:NE2	1:C:325:GLU:N[2_958]	0.91	1.29
1:D:14:LEU:O	1:E:127:LYS:CG[2_757]	0.91	1.29
1:D:23:ILE:CA	1:E:206:LYS:N[2_757]	0.91	1.29
1:D:35:TYR:CE2	1:E:107:THR:C[2_757]	0.91	1.29
1:D:38:VAL:CA	1:E:293:MET:CG[2_757]	0.91	1.29
1:D:127:LYS:CD	1:F:86:GLU:OE1[2_757]	0.91	1.29
1:D:192:GLU:N	1:F:376:THR:N[2_757]	0.91	1.29
1:D:330:ASN:N	1:E:241:PHE:CA[2_757]	0.91	1.29
1:E:91:LYS:CB	1:E:145:THR:O[2_657]	0.91	1.29
1:E:92:MET:CA	1:E:146:LEU:CD1[2_657]	0.91	1.29
1:A:50:ARG:C	1:B:184:MET:CA[2_757]	0.92	1.28
1:A:158:LYS:O	1:A:305:PHE:O[2_757]	0.92	1.28
1:A:265:GLY:O	1:C:342:LEU:O[2_858]	0.92	1.28
1:A:321:TYR:CA	1:F:303:LYS:NZ[2_657]	0.92	1.28
1:A:378:ASP:CB	1:F:68:TYR:CE1[2_657]	0.92	1.28
1:B:31:LEU:CD1	1:C:188:ASP:OD1[2_858]	0.92	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:70:VAL:N	1:E:372:ASP:CB[2_757]	0.92	1.28
1:B:70:VAL:CA	1:E:372:ASP:CB[2_757]	0.92	1.28
1:B:124:ARG:N	1:C:60:ASP:O[2_858]	0.92	1.28
1:B:316:ARG:O	1:C:200:LYS:O[2_858]	0.92	1.28
1:B:322:GLN:CD	1:C:240:LYS:CB[2_858]	0.92	1.28
1:B:371:GLN:NE2	1:D:172:VAL:CG1[2_858]	0.92	1.28
1:B:391:TYR:OH	1:C:131:ILE:C[2_858]	0.92	1.28
1:D:5:ILE:CG1	1:E:133:ARG:NH1[2_757]	0.92	1.28
1:D:195:ALA:C	1:F:330:ASN:N[2_757]	0.92	1.28
1:D:210:PHE:CB	1:F:321:TYR:CB[2_757]	0.92	1.28
1:D:301:ASP:CB	1:F:287:PHE:C[2_757]	0.92	1.28
1:D:305:PHE:CD2	1:E:261:ILE:CB[2_757]	0.92	1.28
1:D:306:GLU:CA	1:E:263:SER:CA[2_757]	0.92	1.28
1:D:340:ARG:NH1	1:E:251:ARG:CG[2_757]	0.92	1.28
1:D:369:VAL:C	1:E:231:GLU:O[2_757]	0.92	1.28
1:D:379:LEU:CD2	1:E:238:LYS:CG[2_757]	0.92	1.28
1:D:405:LEU:N	1:E:193:GLY:O[2_757]	0.92	1.28
1:E:90:HIS:CE1	1:E:182:MET:N[2_657]	0.92	1.28
1:A:56:LYS:CA	1:B:182:MET:CG[2_757]	0.93	1.27
1:A:92:MET:CG	1:B:221:TYR:N[2_757]	0.93	1.27
1:A:97:ASN:CB	1:B:170:LEU:C[2_757]	0.93	1.27
1:A:104:LEU:C	1:B:174:ASP:O[2_757]	0.93	1.27
1:A:263:SER:O	1:C:70:VAL:CG1[2_858]	0.93	1.27
1:A:321:TYR:N	1:F:303:LYS:NZ[2_657]	0.93	1.27
1:A:393:THR:OG1	1:F:299:THR:CG2[2_657]	0.93	1.27
1:B:168:GLN:CG	3:A:1101:NDP:C1D[2_757]	0.93	1.27
1:B:67:LYS:C	1:E:375:MET:N[2_757]	0.93	1.27
1:B:83:ARG:O	1:E:346:GLY:O[2_757]	0.93	1.27
1:B:83:ARG:CZ	1:E:352:PRO:CB[2_757]	0.93	1.27
1:B:354:LEU:CB	1:C:164:THR:OG1[2_858]	0.93	1.27
1:B:375:MET:O	1:C:134:HIS:CB[2_858]	0.93	1.27
1:B:403:LYS:NZ	1:C:218:LEU:CA[2_858]	0.93	1.27
1:D:5:ILE:O	1:E:110:ARG:NH1[2_757]	0.93	1.27
1:D:6:LYS:NZ	1:E:312:GLY:N[2_757]	0.93	1.27
1:D:38:VAL:O	1:E:293:MET:CA[2_757]	0.93	1.27
1:D:85:LYS:N	1:D:85:LYS:CA[2_858]	0.93	1.27
1:D:105:GLY:N	1:F:381:LEU:O[2_757]	0.93	1.27
1:D:115:ILE:CA	1:E:230:GLN:CD[2_757]	0.93	1.27
1:D:305:PHE:CA	1:E:261:ILE:C[2_757]	0.93	1.27
1:D:361:LEU:N	1:E:194:PHE:CZ[2_757]	0.93	1.27
1:D:369:VAL:CG1	1:E:234:GLU:N[2_757]	0.93	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:408:GLU:C	1:E:134:HIS:NE2[2_757]	0.93	1.27
1:E:47:VAL:CA	1:E:178:SER:OG[2_657]	0.93	1.27
1:E:58:THR:OG1	1:F:165:ALA:CB[2_657]	0.93	1.27
1:A:2:PHE:O	1:E:155:LEU:CA[2_657]	0.94	1.26
1:A:51:ASP:CG	1:B:185:TYR:C[2_757]	0.94	1.26
1:A:59:GLN:CA	1:B:181:ALA:CA[2_757]	0.94	1.26
1:A:81:GLU:OE1	1:B:227:ASP:OD2[2_757]	0.94	1.26
1:A:267:PHE:CE2	1:C:346:GLY:N[2_858]	0.94	1.26
1:A:384:GLY:O	1:F:40:LEU:CG[2_657]	0.94	1.26
1:B:104:LEU:CB	1:E:399:ASP:O[2_757]	0.94	1.26
1:B:216:THR:O	1:B:220:LYS:NZ[2_757]	0.94	1.26
1:B:317:HIS:O	1:C:199:PHE:O[2_858]	0.94	1.26
1:B:323:LYS:CA	1:C:246:ILE:CG1[2_858]	0.94	1.26
1:B:352:PRO:O	1:C:161:ASP:O[2_858]	0.94	1.26
1:B:359:ASN:N	1:D:150:PRO:N[2_858]	0.94	1.26
1:B:367:ASN:CB	1:C:185:TYR:CG[2_858]	0.94	1.26
1:D:32:ILE:O	1:E:110:ARG:N[2_757]	0.94	1.26
1:D:35:TYR:CD2	1:E:108:VAL:N[2_757]	0.94	1.26
1:D:37:ASP:CG	1:E:310:ALA:N[2_757]	0.94	1.26
1:D:38:VAL:C	1:E:293:MET:CB[2_757]	0.94	1.26
1:D:38:VAL:N	1:E:293:MET:CG[2_757]	0.94	1.26
1:D:73:LYS:N	1:E:265:GLY:O[2_757]	0.94	1.26
1:D:134:HIS:CG	1:F:377:LYS:CG[2_757]	0.94	1.26
1:D:137:GLY:CA	1:F:387:GLU:N[2_757]	0.94	1.26
1:D:237:TYR:N	1:F:27:ILE:CD1[2_757]	0.94	1.26
1:D:246:ILE:CB	1:F:17:ASP:C[2_757]	0.94	1.26
1:D:306:GLU:CG	1:E:264:LYS:N[2_757]	0.94	1.26
1:D:307:SER:N	1:E:263:SER:OG[2_757]	0.94	1.26
1:E:45:LEU:CD1	1:F:164:THR:CG2[2_657]	0.94	1.26
1:E:84:VAL:CB	1:F:224:ARG:CA[2_657]	0.94	1.26
1:E:93:TRP:CD2	1:E:146:LEU:C[2_657]	0.94	1.26
1:A:119:PRO:C	1:C:40:LEU:O[2_858]	0.95	1.25
1:A:258:ALA:CB	1:C:303:LYS:CB[2_858]	0.95	1.25
1:A:266:GLY:N	1:C:354:LEU:CD1[2_858]	0.95	1.25
1:B:66:LYS:NZ	1:E:396:GLU:CA[2_757]	0.95	1.25
1:B:87:PHE:CG	5:E:1521:HOH:O[2_757]	0.95	1.25
1:B:93:TRP:CD1	1:E:342:LEU:C[2_757]	0.95	1.25
1:B:122:VAL:CA	1:C:65:ILE:N[2_858]	0.95	1.25
1:B:322:GLN:NE2	1:C:240:LYS:CB[2_858]	0.95	1.25
1:B:331:SER:CB	1:C:192:GLU:N[2_858]	0.95	1.25
1:B:366:LEU:C	1:C:185:TYR:CE1[2_858]	0.95	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:406:GLN:OE1	1:C:220:LYS:CB[2_858]	0.95	1.25
1:D:13:GLU:CG	1:E:128:PRO:CB[2_757]	0.95	1.25
1:D:100:ILE:CB	1:E:264:LYS:CE[2_757]	0.95	1.25
1:D:197:SER:C	3:F:1601:NDP:N1A[2_757]	0.95	1.25
1:D:205:LYS:NZ	3:F:1601:NDP:O2N[2_757]	0.95	1.25
1:D:226:LYS:N	1:F:393:THR:OG1[2_757]	0.95	1.25
1:D:248:TYR:CA	1:F:22:ILE:CB[2_757]	0.95	1.25
1:D:249:GLU:O	1:F:321:TYR:CD1[2_757]	0.95	1.25
1:D:303:LYS:CA	1:F:286:GLY:CA[2_757]	0.95	1.25
1:D:332:ILE:CG2	1:E:248:TYR:CB[2_757]	0.95	1.25
1:D:364:ALA:O	1:E:195:ALA:CB[2_757]	0.95	1.25
1:D:376:THR:C	1:E:239:SER:CB[2_757]	0.95	1.25
1:D:392:VAL:CG2	1:E:240:LYS:NZ[2_757]	0.95	1.25
1:D:411:SER:CB	1:E:136:HIS:ND1[2_757]	0.95	1.25
1:D:411:SER:C	1:E:137:GLY:N[2_757]	0.95	1.25
1:E:45:LEU:CD1	1:F:164:THR:CB[2_657]	0.95	1.25
1:E:52:ALA:C	1:E:175:TYR:CB[2_657]	0.95	1.25
1:A:65:ILE:CG1	1:A:157:TYR:CD1[2_757]	0.96	1.24
1:A:65:ILE:CG1	1:A:157:TYR:CG[2_757]	0.96	1.24
1:A:328:SER:C	1:F:66:LYS:C[2_657]	0.96	1.24
1:B:18:GLU:C	1:C:236:GLN:CG[2_858]	0.96	1.24
1:B:43:TYR:CB	1:E:366:LEU:CD1[2_757]	0.96	1.24
1:B:68:TYR:C	1:E:374:ILE:N[2_757]	0.96	1.24
1:B:93:TRP:CA	1:E:342:LEU:CD2[2_757]	0.96	1.24
1:D:8:LYS:NZ	1:F:256:MET:C[2_757]	0.96	1.24
1:D:70:VAL:CA	1:E:125:TRP:CZ2[2_757]	0.96	1.24
1:D:72:ILE:CA	1:E:265:GLY:CA[2_757]	0.96	1.24
1:D:207:LEU:CD1	1:F:315:THR:OG1[2_757]	0.96	1.24
1:D:234:GLU:OE2	1:F:30:LYS:CE[2_757]	0.96	1.24
1:D:243:GLN:CA	1:F:15:ASP:CA[2_757]	0.96	1.24
1:D:269:MET:CG	1:F:320:LYS:N[2_757]	0.96	1.24
1:D:340:ARG:NH1	1:E:251:ARG:CB[2_757]	0.96	1.24
1:D:369:VAL:CB	1:E:233:TYR:N[2_757]	0.96	1.24
1:E:56:LYS:CG	1:F:158:LYS:N[2_657]	0.96	1.24
1:E:81:GLU:CA	1:F:227:ASP:OD2[2_657]	0.96	1.24
1:E:90:HIS:CB	1:E:180:VAL:O[2_657]	0.96	1.24
1:A:97:ASN:CB	1:B:171:LYS:N[2_757]	0.97	1.23
1:A:100:ILE:CG2	1:B:153:LEU:N[2_757]	0.97	1.23
1:A:261:ILE:O	1:C:70:VAL:N[2_858]	0.97	1.23
1:A:383:CYS:CA	1:F:42:TYR:N[2_657]	0.97	1.23
1:A:399:ASP:OD2	1:F:105:GLY:CA[2_657]	0.97	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:17:ASP:OD1	1:E:359:ASN:ND2[2_757]	0.97	1.23
1:B:56:LYS:C	1:E:336:PHE:N[2_757]	0.97	1.23
1:B:59:GLN:CB	1:E:335:ILE:N[2_757]	0.97	1.23
1:B:68:TYR:N	1:E:374:ILE:C[2_757]	0.97	1.23
1:B:289:SER:CA	1:C:299:THR:CB[2_858]	0.97	1.23
1:B:317:HIS:N	1:C:200:LYS:CA[2_858]	0.97	1.23
1:B:365:THR:CG2	1:C:187:THR:CA[2_858]	0.97	1.23
1:B:391:TYR:CG	1:C:133:ARG:N[2_858]	0.97	1.23
1:D:40:LEU:CA	1:E:112:PRO:CB[2_757]	0.97	1.23
1:D:43:TYR:CD1	1:E:120:ARG:NH1[2_757]	0.97	1.23
1:D:248:TYR:CB	1:F:22:ILE:CB[2_757]	0.97	1.23
1:D:268:ILE:CG1	1:F:315:THR:CA[2_757]	0.97	1.23
1:D:303:LYS:N	1:F:285:GLN:C[2_757]	0.97	1.23
1:D:305:PHE:N	1:E:261:ILE:C[2_757]	0.97	1.23
1:D:329:THR:CA	1:E:240:LYS:O[2_757]	0.97	1.23
1:D:339:SER:N	1:E:269:MET:CA[2_757]	0.97	1.23
1:D:356:LYS:O	1:E:272:LYS:CA[2_757]	0.97	1.23
1:D:365:THR:O	1:E:199:PHE:CZ[2_757]	0.97	1.23
1:D:372:ASP:OD2	1:E:196:HIS:NE2[2_757]	0.97	1.23
1:D:376:THR:C	1:E:239:SER:CA[2_757]	0.97	1.23
1:D:398:LEU:CB	1:E:200:LYS:O[2_757]	0.97	1.23
1:E:52:ALA:C	1:E:175:TYR:CG[2_657]	0.97	1.23
1:A:12:VAL:N	1:A:167:PRO:CA[2_757]	0.98	1.22
1:A:63:GLU:C	1:B:147:ILE:CA[2_757]	0.98	1.22
1:A:96:PRO:O	1:B:172:VAL:CG2[2_757]	0.98	1.22
1:A:103:ILE:CA	1:B:173:TYR:CE2[2_757]	0.98	1.22
1:A:262:LYS:CG	1:C:305:PHE:CD2[2_858]	0.98	1.22
1:A:288:GLY:N	1:C:39:ASP:OD2[2_858]	0.98	1.22
1:A:313:THR:N	1:B:167:PRO:C[2_757]	0.98	1.22
1:A:397:PHE:N	1:F:104:LEU:CG[2_657]	0.98	1.22
1:A:404:ARG:O	1:F:94:LYS:CD[2_657]	0.98	1.22
1:B:43:TYR:CA	1:E:366:LEU:CD1[2_757]	0.98	1.22
1:B:118:ILE:CG2	1:C:101:ARG:O[2_858]	0.98	1.22
1:B:372:ASP:OD1	1:C:184:MET:CB[2_858]	0.98	1.22
1:D:31:LEU:O	1:E:109:PHE:CD1[2_757]	0.98	1.22
1:D:81:GLU:CA	1:D:88:ASN:ND2[2_858]	0.98	1.22
1:D:138:ASP:N	1:F:388:ARG:N[2_757]	0.98	1.22
1:D:296:ILE:CG2	1:E:259:GLN:CD[2_757]	0.98	1.22
1:D:356:LYS:O	1:E:272:LYS:C[2_757]	0.98	1.22
1:F:380:ALA:C	5:D:1444:HOH:O[2_757]	0.98	1.22
1:F:386:ASN:OD1	5:D:1447:HOH:O[2_757]	0.98	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:207:LEU:CD2	1:C:353:ALA:O[2_858]	0.99	1.21
1:A:386:ASN:O	1:F:11:VAL:CG2[2_657]	0.99	1.21
1:A:388:ARG:NH2	1:F:305:PHE:CB[2_657]	0.99	1.21
1:A:398:LEU:C	1:F:103:ILE:N[2_657]	0.99	1.21
1:A:405:LEU:O	1:F:94:LYS:NZ[2_657]	0.99	1.21
1:B:11:VAL:CA	1:E:370:GLN:C[2_757]	0.99	1.21
1:B:56:LYS:N	1:E:336:PHE:C[2_757]	0.99	1.21
1:B:56:LYS:O	1:E:336:PHE:N[2_757]	0.99	1.21
1:B:93:TRP:NE1	1:E:341:GLY:O[2_757]	0.99	1.21
1:B:322:GLN:CD	1:C:240:LYS:CA[2_858]	0.99	1.21
1:B:370:GLN:OE1	1:C:141:LYS:CD[2_858]	0.99	1.21
1:D:22:ILE:CB	1:E:206:LYS:CE[2_757]	0.99	1.21
1:D:36:LEU:CB	1:E:110:ARG:CG[2_757]	0.99	1.21
1:D:36:LEU:CB	1:E:110:ARG:CB[2_757]	0.99	1.21
1:D:72:ILE:CG1	1:E:129:ILE:CG1[2_757]	0.99	1.21
1:D:191:ILE:CG1	1:F:391:TYR:CA[2_757]	0.99	1.21
1:D:227:ASP:C	1:F:396:GLU:CA[2_757]	0.99	1.21
1:D:350:ASN:OD1	1:F:253:ILE:CD1[2_757]	0.99	1.21
1:D:351:THR:O	1:E:278:VAL:CB[2_757]	0.99	1.21
1:E:61:ALA:O	1:F:163:THR:OG1[2_657]	0.99	1.21
1:E:90:HIS:CG	1:E:181:ALA:N[2_657]	0.99	1.21
1:A:48:GLU:O	1:B:185:TYR:CD2[2_757]	1.00	1.20
1:A:51:ASP:OD2	1:B:185:TYR:O[2_757]	1.00	1.20
1:A:100:ILE:O	1:B:173:TYR:C[2_757]	1.00	1.20
1:A:264:LYS:CA	1:C:341:GLY:O[2_858]	1.00	1.20
1:A:369:VAL:N	1:F:58:THR:CA[2_657]	1.00	1.20
1:A:391:TYR:CG	1:F:70:VAL:C[2_657]	1.00	1.20
1:A:400:ALA:N	1:F:102:ASN:N[2_657]	1.00	1.20
1:A:401:VAL:N	1:F:99:THR:O[2_657]	1.00	1.20
1:A:402:GLU:CB	1:F:102:ASN:CG[2_657]	1.00	1.20
1:B:58:THR:CG2	1:E:361:LEU:CD2[2_757]	1.00	1.20
1:B:65:ILE:CA	1:E:368:THR:CG2[2_757]	1.00	1.20
1:B:77:ILE:O	1:E:354:LEU:O[2_757]	1.00	1.20
1:B:320:LYS:CG	1:C:202:ALA:N[2_858]	1.00	1.20
1:B:322:GLN:CA	1:C:241:PHE:CA[2_858]	1.00	1.20
1:B:323:LYS:NZ	1:C:206:LYS:CG[2_858]	1.00	1.20
1:B:357:PHE:O	1:D:149:GLY:N[2_858]	1.00	1.20
1:B:377:LYS:CE	1:C:109:PHE:CB[2_858]	1.00	1.20
1:D:8:LYS:CG	1:F:258:ALA:CB[2_757]	1.00	1.20
1:D:13:GLU:CB	1:E:128:PRO:CA[2_757]	1.00	1.20
1:D:67:LYS:C	1:E:121:LEU:C[2_757]	1.00	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:229:PHE:CZ	1:F:328:SER:CA[2_757]	1.00	1.20
1:D:229:PHE:CA	1:F:394:THR:C[2_757]	1.00	1.20
1:D:230:GLN:NE2	1:F:26:LYS:CD[2_757]	1.00	1.20
1:D:267:PHE:N	1:F:319:ARG:CZ[2_757]	1.00	1.20
1:D:330:ASN:O	1:E:246:ILE:CG1[2_757]	1.00	1.20
1:D:337:ALA:C	1:E:267:PHE:CD1[2_757]	1.00	1.20
1:D:397:PHE:CE1	1:E:237:TYR:CG[2_757]	1.00	1.20
1:D:404:ARG:O	1:E:194:PHE:N[2_757]	1.00	1.20
1:E:58:THR:CB	1:F:165:ALA:CA[2_657]	1.00	1.20
1:A:125:TRP:CZ2	1:C:345:ARG:NH1[2_858]	1.01	1.19
1:A:267:PHE:CZ	1:C:345:ARG:C[2_858]	1.01	1.19
1:A:320:LYS:N	1:B:161:ASP:OD2[2_757]	1.01	1.19
1:A:366:LEU:C	1:F:55:ASP:O[2_657]	1.01	1.19
1:A:406:GLN:OE1	1:F:141:LYS:CA[2_657]	1.01	1.19
1:B:43:TYR:CD2	1:E:366:LEU:CD2[2_757]	1.01	1.19
1:B:54:SER:CB	1:E:307:SER:OG[2_757]	1.01	1.19
1:B:60:ASP:CB	1:E:332:ILE:CG2[2_757]	1.01	1.19
1:B:65:ILE:CB	1:E:368:THR:OG1[2_757]	1.01	1.19
1:B:65:ILE:CG1	1:E:368:THR:OG1[2_757]	1.01	1.19
1:B:67:LYS:C	1:E:374:ILE:C[2_757]	1.01	1.19
1:B:67:LYS:CG	1:E:375:MET:CB[2_757]	1.01	1.19
1:B:104:LEU:CA	1:E:399:ASP:O[2_757]	1.01	1.19
1:B:363:SER:CB	1:D:175:TYR:CD1[2_858]	1.01	1.19
1:B:370:GLN:OE1	1:C:141:LYS:CG[2_858]	1.01	1.19
1:B:403:LYS:CG	1:D:144:ASP:OD2[2_858]	1.01	1.19
1:B:411:SER:N	1:C:168:GLN:C[2_858]	1.01	1.19
1:D:134:HIS:C	1:F:377:LYS:CE[2_757]	1.01	1.19
1:D:231:GLU:CB	1:F:398:LEU:C[2_757]	1.01	1.19
1:D:238:LYS:CA	1:F:24:TRP:C[2_757]	1.01	1.19
1:D:239:SER:OG	1:F:338:TRP:NE1[2_757]	1.01	1.19
1:D:349:ASP:C	1:F:257:VAL:CB[2_757]	1.01	1.19
1:D:355:CYS:N	1:E:275:ASP:O[2_757]	1.01	1.19
1:D:357:PHE:CZ	1:E:133:ARG:N[2_757]	1.01	1.19
1:D:399:ASP:O	1:E:200:LYS:CD[2_757]	1.01	1.19
1:E:59:GLN:CG	1:F:167:PRO:CD[2_657]	1.01	1.19
1:E:91:LYS:CE	1:E:145:THR:CG2[2_657]	1.01	1.19
1:A:2:PHE:CB	1:E:155:LEU:CG[2_657]	1.02	1.18
1:A:15:ASP:CG	1:A:154:GLU:OE2[2_757]	1.02	1.18
1:A:18:GLU:CA	1:B:158:LYS:O[2_757]	1.02	1.18
1:A:66:LYS:CD	1:B:177:GLY:O[2_757]	1.02	1.18
1:A:120:ARG:CA	1:C:41:LYS:CA[2_858]	1.02	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:264:LYS:CE	1:C:337:ALA:O[2_858]	1.02	1.18
1:A:268:ILE:CA	1:C:351:THR:CA[2_858]	1.02	1.18
1:A:283:VAL:CG1	1:C:8:LYS:C[2_858]	1.02	1.18
1:A:374:ILE:CG2	1:F:100:ILE:CG2[2_657]	1.02	1.18
1:A:376:THR:OG1	1:F:64:ALA:N[2_657]	1.02	1.18
1:B:26:LYS:CE	1:C:230:GLN:CA[2_858]	1.02	1.18
1:B:31:LEU:CD2	1:C:224:ARG:NE[2_858]	1.02	1.18
1:B:56:LYS:CE	1:E:308:GLU:C[2_757]	1.02	1.18
1:B:68:TYR:CA	1:E:373:GLY:C[2_757]	1.02	1.18
1:B:93:TRP:CD2	1:E:342:LEU:N[2_757]	1.02	1.18
1:B:140:TYR:O	1:E:34:PRO:CD[2_757]	1.02	1.18
1:B:297:LEU:N	1:E:407:LYS:CD[2_757]	1.02	1.18
1:B:330:ASN:N	1:C:193:GLY:O[2_858]	1.02	1.18
1:B:369:VAL:CA	1:C:137:GLY:CA[2_858]	1.02	1.18
1:B:409:ILE:CA	1:C:168:GLN:OE1[2_858]	1.02	1.18
1:C:314:VAL:O	1:C:323:LYS:CD[2_958]	1.02	1.18
1:D:11:VAL:C	1:E:287:PHE:CG[2_757]	1.02	1.18
1:D:32:ILE:C	1:E:109:PHE:C[2_757]	1.02	1.18
1:D:39:ASP:OD1	1:E:292:LEU:CB[2_757]	1.02	1.18
1:D:70:VAL:C	1:E:125:TRP:CD2[2_757]	1.02	1.18
1:D:109:PHE:CG	3:F:1601:NDP:O3B[2_757]	1.02	1.18
1:D:135:ALA:C	1:F:381:LEU:CD2[2_757]	1.02	1.18
1:D:199:PHE:CG	1:F:23:ILE:CD1[2_757]	1.02	1.18
1:D:309:ALA:CB	1:E:208:ASN:ND2[2_757]	1.02	1.18
1:D:362:GLU:O	1:E:229:PHE:CD2[2_757]	1.02	1.18
1:D:369:VAL:N	1:E:232:VAL:CA[2_757]	1.02	1.18
1:D:397:PHE:CD1	1:E:237:TYR:CD2[2_757]	1.02	1.18
1:E:50:ARG:CB	1:E:149:GLY:N[2_657]	1.02	1.18
1:E:90:HIS:CD2	1:E:181:ALA:CA[2_657]	1.02	1.18
1:E:90:HIS:CE1	1:E:181:ALA:C[2_657]	1.02	1.18
1:A:125:TRP:CB	1:C:11:VAL:CG2[2_858]	1.03	1.17
1:A:162:PRO:C	1:A:345:ARG:NE[2_757]	1.03	1.17
1:A:219:LYS:N	1:E:37:ASP:CG[2_757]	1.03	1.17
1:A:332:ILE:N	1:F:63:GLU:CD[2_657]	1.03	1.17
1:A:365:THR:C	1:F:59:GLN:CG[2_657]	1.03	1.17
1:A:372:ASP:CG	1:F:96:PRO:CA[2_657]	1.03	1.17
1:B:168:GLN:CD	3:A:1101:NDP:O3D[2_757]	1.03	1.17
1:B:56:LYS:N	1:E:337:ALA:N[2_757]	1.03	1.17
1:B:73:LYS:CA	1:E:408:GLU:OE1[2_757]	1.03	1.17
1:B:77:ILE:CB	1:E:356:LYS:N[2_757]	1.03	1.17
1:B:93:TRP:CD1	1:E:342:LEU:CA[2_757]	1.03	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:126:GLU:N	1:C:63:GLU:CD[2_858]	1.03	1.17
1:B:285:GLN:CD	1:C:304:THR:N[2_858]	1.03	1.17
1:B:396:GLU:OE1	1:C:212:SER:N[2_858]	1.03	1.17
1:B:398:LEU:CD1	1:C:228:ILE:CG2[2_858]	1.03	1.17
1:D:2:PHE:CB	1:E:100:ILE:CG2[2_757]	1.03	1.17
1:D:6:LYS:NZ	1:E:312:GLY:CA[2_757]	1.03	1.17
1:D:10:PRO:CA	1:E:284:ALA:O[2_757]	1.03	1.17
1:D:70:VAL:O	1:E:125:TRP:CE3[2_757]	1.03	1.17
1:D:115:ILE:CB	1:E:230:GLN:NE2[2_757]	1.03	1.17
1:D:205:LYS:CB	3:F:1601:NDP:C4D[2_757]	1.03	1.17
1:D:211:LEU:CA	1:F:327:THR:OG1[2_757]	1.03	1.17
1:D:239:SER:OG	1:F:338:TRP:CE2[2_757]	1.03	1.17
1:D:349:ASP:O	1:F:257:VAL:CG1[2_757]	1.03	1.17
1:D:404:ARG:O	1:E:193:GLY:C[2_757]	1.03	1.17
1:E:50:ARG:CB	1:E:148:PRO:C[2_657]	1.03	1.17
1:E:60:ASP:C	1:F:162:PRO:CD[2_657]	1.03	1.17
1:A:21:ARG:CZ	1:A:171:LYS:CE[2_757]	1.04	1.16
1:A:94:LYS:C	1:A:143:THR:O[2_757]	1.04	1.16
1:A:317:HIS:CB	1:B:162:PRO:CB[2_757]	1.04	1.16
1:A:318:TYR:O	1:B:161:ASP:N[2_757]	1.04	1.16
1:A:390:ALA:CA	1:F:72:ILE:N[2_657]	1.04	1.16
1:B:169:THR:C	3:A:1101:NDP:N7N[2_757]	1.04	1.16
1:B:63:GLU:CD	1:E:331:SER:CB[2_757]	1.04	1.16
1:B:93:TRP:CZ2	1:E:341:GLY:CA[2_757]	1.04	1.16
1:B:115:ILE:CG2	1:C:102:ASN:ND2[2_858]	1.04	1.16
1:B:117:ARG:NE	1:C:140:TYR:O[2_858]	1.04	1.16
1:B:141:LYS:NZ	1:E:29:LYS:N[2_757]	1.04	1.16
1:B:297:LEU:CD2	1:E:403:LYS:C[2_757]	1.04	1.16
1:B:320:LYS:CD	1:C:201:LEU:C[2_858]	1.04	1.16
1:B:322:GLN:N	1:C:241:PHE:CD1[2_858]	1.04	1.16
1:B:332:ILE:N	1:C:189:GLU:C[2_858]	1.04	1.16
1:B:359:ASN:CA	1:D:150:PRO:C[2_858]	1.04	1.16
1:B:391:TYR:CB	1:C:133:ARG:CA[2_858]	1.04	1.16
1:B:391:TYR:CG	1:C:133:ARG:CA[2_858]	1.04	1.16
1:B:395:GLU:N	1:C:229:PHE:CD1[2_858]	1.04	1.16
1:B:401:VAL:O	1:D:180:VAL:CG1[2_858]	1.04	1.16
1:B:405:LEU:CD2	1:D:147:ILE:N[2_858]	1.04	1.16
1:E:409:ILE:CG2	4:B:1202:AKG:O1[2_757]	1.04	1.16
1:C:85:LYS:NZ	1:C:88:ASN:N[2_958]	1.04	1.16
1:D:10:PRO:CD	1:E:285:GLN:C[2_757]	1.04	1.16
1:D:22:ILE:CG1	1:E:206:LYS:NZ[2_757]	1.04	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:136:HIS:CE1	1:F:385:ASN:CB[2_757]	1.04	1.16
1:D:189:GLU:O	1:F:375:MET:CB[2_757]	1.04	1.16
1:D:190:SER:CB	1:F:380:ALA:CB[2_757]	1.04	1.16
1:D:204:ASP:O	3:F:1601:NDP:C6N[2_757]	1.04	1.16
1:D:206:LYS:O	1:F:77:ILE:CG1[2_757]	1.04	1.16
1:D:241:PHE:CE1	1:F:20:THR:CA[2_757]	1.04	1.16
1:D:241:PHE:CD1	1:F:20:THR:O[2_757]	1.04	1.16
1:D:244:LEU:N	1:F:15:ASP:O[2_757]	1.04	1.16
1:D:266:GLY:C	1:F:319:ARG:NH2[2_757]	1.04	1.16
1:D:266:GLY:C	1:F:319:ARG:CZ[2_757]	1.04	1.16
1:D:334:SER:CA	1:E:208:ASN:N[2_757]	1.04	1.16
1:D:401:VAL:CA	1:E:196:HIS:C[2_757]	1.04	1.16
1:D:404:ARG:NH2	1:E:192:GLU:CB[2_757]	1.04	1.16
1:D:408:GLU:O	1:E:134:HIS:CE1[2_757]	1.04	1.16
1:E:85:LYS:CB	1:F:225:PHE:O[2_657]	1.04	1.16
1:E:86:GLU:N	1:F:228:ILE:CB[2_657]	1.04	1.16
1:A:123:PRO:N	1:C:12:VAL:CB[2_858]	1.05	1.15
1:A:216:THR:OG1	1:E:5:ILE:N[2_757]	1.05	1.15
1:A:316:ARG:O	1:B:163:THR:CA[2_757]	1.05	1.15
1:A:332:ILE:N	1:F:63:GLU:OE1[2_657]	1.05	1.15
1:A:398:LEU:CA	1:F:103:ILE:C[2_657]	1.05	1.15
1:A:404:ARG:NH2	1:F:94:LYS:O[2_657]	1.05	1.15
1:B:169:THR:C	3:A:1101:NDP:C7N[2_757]	1.05	1.15
1:B:59:GLN:CA	1:E:335:ILE:CG1[2_757]	1.05	1.15
1:B:66:LYS:CD	1:E:397:PHE:CA[2_757]	1.05	1.15
1:B:102:ASN:CG	1:E:30:LYS:CA[2_757]	1.05	1.15
1:B:329:THR:O	1:C:195:ALA:N[2_858]	1.05	1.15
1:B:335:ILE:CD1	1:C:188:ASP:C[2_858]	1.05	1.15
1:B:363:SER:N	1:D:175:TYR:CB[2_858]	1.05	1.15
1:B:378:ASP:OD2	1:C:106:GLY:CA[2_858]	1.05	1.15
1:B:378:ASP:N	1:C:107:THR:CB[2_858]	1.05	1.15
1:B:392:VAL:CG1	1:C:272:LYS:N[2_858]	1.05	1.15
1:B:396:GLU:O	1:C:225:PHE:CG[2_858]	1.05	1.15
1:B:406:GLN:C	1:D:145:THR:OG1[2_858]	1.05	1.15
1:B:410:LYS:CB	1:C:170:LEU:CG[2_858]	1.05	1.15
1:D:5:ILE:CD1	1:E:133:ARG:CD[2_757]	1.05	1.15
1:D:11:VAL:CA	1:E:287:PHE:CD1[2_757]	1.05	1.15
1:D:81:GLU:CA	1:D:88:ASN:CG[2_858]	1.05	1.15
1:D:118:ILE:N	1:E:234:GLU:OE2[2_757]	1.05	1.15
1:D:138:ASP:CG	1:F:388:ARG:CB[2_757]	1.05	1.15
1:D:208:ASN:O	1:F:318:TYR:CB[2_757]	1.05	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:233:TYR:O	1:F:27:ILE:CG1[2_757]	1.05	1.15
1:D:242:GLU:C	1:F:15:ASP:CG[2_757]	1.05	1.15
1:D:249:GLU:CB	1:F:321:TYR:CZ[2_757]	1.05	1.15
1:D:260:MET:SD	1:F:323:LYS:NZ[2_757]	1.05	1.15
1:D:301:ASP:N	1:F:288:GLY:C[2_757]	1.05	1.15
1:D:303:LYS:C	1:F:286:GLY:CA[2_757]	1.05	1.15
1:D:333:ALA:N	1:E:247:HIS:O[2_757]	1.05	1.15
1:D:339:SER:CA	1:E:269:MET:CB[2_757]	1.05	1.15
1:D:344:LYS:CG	1:E:257:VAL:O[2_757]	1.05	1.15
1:D:369:VAL:CG2	1:E:233:TYR:CA[2_757]	1.05	1.15
1:D:398:LEU:CA	1:E:200:LYS:CA[2_757]	1.05	1.15
1:E:53:THR:N	1:E:175:TYR:CB[2_657]	1.05	1.15
1:E:85:LYS:CG	1:F:225:PHE:O[2_657]	1.05	1.15
1:A:15:ASP:O	1:A:154:GLU:CB[2_757]	1.06	1.14
1:A:34:PRO:C	1:E:173:TYR:C[2_657]	1.06	1.14
1:A:43:TYR:C	1:A:170:LEU:CB[2_757]	1.06	1.14
1:A:63:GLU:N	1:B:147:ILE:CG1[2_757]	1.06	1.14
1:A:103:ILE:N	1:B:173:TYR:CG[2_757]	1.06	1.14
1:A:104:LEU:CA	1:B:174:ASP:O[2_757]	1.06	1.14
1:A:115:ILE:CD1	1:F:60:ASP:CB[2_657]	1.06	1.14
1:A:122:VAL:C	1:C:12:VAL:N[2_858]	1.06	1.14
1:A:122:VAL:CA	1:C:12:VAL:CG2[2_858]	1.06	1.14
1:A:217:ILE:CD1	1:E:35:TYR:O[2_757]	1.06	1.14
1:A:264:LYS:CB	1:C:342:LEU:N[2_858]	1.06	1.14
1:A:267:PHE:CD2	1:C:346:GLY:CA[2_858]	1.06	1.14
1:A:330:ASN:ND2	1:F:63:GLU:CB[2_657]	1.06	1.14
1:A:393:THR:CG2	1:F:304:THR:O[2_657]	1.06	1.14
1:B:41:LYS:CB	1:E:115:ILE:CG2[2_757]	1.06	1.14
1:B:95:SER:O	1:E:357:PHE:CZ[2_757]	1.06	1.14
1:B:122:VAL:C	1:C:64:ALA:N[2_858]	1.06	1.14
1:B:139:GLN:O	1:E:4:LYS:NZ[2_757]	1.06	1.14
1:B:330:ASN:O	1:C:193:GLY:N[2_858]	1.06	1.14
1:B:377:LYS:CD	1:C:109:PHE:CD1[2_858]	1.06	1.14
1:B:397:PHE:N	1:C:225:PHE:CD2[2_858]	1.06	1.14
1:D:65:ILE:CD1	1:E:124:ARG:O[2_757]	1.06	1.14
1:D:72:ILE:CD1	1:E:129:ILE:CB[2_757]	1.06	1.14
1:D:109:PHE:CE1	3:F:1601:NDP:C2B[2_757]	1.06	1.14
1:D:204:ASP:N	1:F:312:GLY:CA[2_757]	1.06	1.14
1:D:242:GLU:OE2	5:F:1636:HOH:O[2_757]	1.06	1.14
1:D:246:ILE:CG2	1:F:17:ASP:CB[2_757]	1.06	1.14
1:D:404:ARG:C	1:E:193:GLY:O[2_757]	1.06	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:48:GLU:C	1:E:177:GLY:C[2_657]	1.06	1.14
1:E:54:SER:O	1:F:157:TYR:CG[2_657]	1.06	1.14
1:E:91:LYS:CD	1:E:145:THR:CB[2_657]	1.06	1.14
1:A:33:LEU:CA	1:E:174:ASP:CB[2_657]	1.07	1.13
1:A:66:LYS:C	1:B:149:GLY:CA[2_757]	1.07	1.13
1:A:70:VAL:C	1:A:159:PRO:CD[2_757]	1.07	1.13
1:A:75:ALA:N	1:B:156:VAL:CG1[2_757]	1.07	1.13
1:A:83:ARG:NH1	1:A:148:PRO:N[2_757]	1.07	1.13
1:A:88:ASN:N	1:B:187:THR:CA[2_757]	1.07	1.13
1:A:97:ASN:CG	1:B:170:LEU:C[2_757]	1.07	1.13
1:A:267:PHE:CD1	1:C:346:GLY:O[2_858]	1.07	1.13
1:A:269:MET:CG	1:C:349:ASP:C[2_858]	1.07	1.13
1:A:399:ASP:O	1:F:102:ASN:CB[2_657]	1.07	1.13
1:B:30:LYS:NZ	1:C:227:ASP:N[2_858]	1.07	1.13
1:B:47:VAL:O	1:E:343:LEU:CB[2_757]	1.07	1.13
1:B:54:SER:OG	1:E:307:SER:CA[2_757]	1.07	1.13
1:B:56:LYS:C	1:E:336:PHE:CA[2_757]	1.07	1.13
1:B:71:GLY:O	1:E:404:ARG:NH1[2_757]	1.07	1.13
1:B:89:LEU:CB	1:E:344:LYS:C[2_757]	1.07	1.13
1:B:89:LEU:CD1	1:E:346:GLY:N[2_757]	1.07	1.13
1:B:118:ILE:CG2	1:C:101:ARG:C[2_858]	1.07	1.13
1:B:277:ASP:OD1	1:E:2:PHE:CD2[2_757]	1.07	1.13
1:B:321:TYR:C	1:C:241:PHE:CD1[2_858]	1.07	1.13
1:B:330:ASN:CA	1:C:194:PHE:N[2_858]	1.07	1.13
1:B:332:ILE:O	1:C:189:GLU:CG[2_858]	1.07	1.13
1:B:370:GLN:O	1:C:141:LYS:C[2_858]	1.07	1.13
1:B:381:LEU:CD1	1:C:296:ILE:O[2_858]	1.07	1.13
1:D:14:LEU:CA	1:E:127:LYS:CA[2_757]	1.07	1.13
1:D:85:LYS:CE	1:D:87:PHE:CD1[2_858]	1.07	1.13
1:D:138:ASP:OD2	1:F:388:ARG:CG[2_757]	1.07	1.13
1:D:138:ASP:N	1:F:387:GLU:C[2_757]	1.07	1.13
1:D:195:ALA:O	1:F:330:ASN:N[2_757]	1.07	1.13
1:D:210:PHE:CA	1:F:321:TYR:CB[2_757]	1.07	1.13
1:D:212:SER:CA	1:F:326:GLU:N[2_757]	1.07	1.13
1:D:229:PHE:CD2	1:F:394:THR:OG1[2_757]	1.07	1.13
1:D:243:GLN:CG	1:F:14:LEU:CA[2_757]	1.07	1.13
1:D:243:GLN:CG	1:F:14:LEU:C[2_757]	1.07	1.13
1:D:302:GLY:C	1:F:285:GLN:N[2_757]	1.07	1.13
1:D:306:GLU:CB	1:E:263:SER:C[2_757]	1.07	1.13
1:D:344:LYS:CG	1:E:257:VAL:C[2_757]	1.07	1.13
1:D:351:THR:C	1:E:278:VAL:CB[2_757]	1.07	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:355:CYS:N	1:E:275:ASP:C[2_757]	1.07	1.13
1:D:366:LEU:C	1:E:229:PHE:O[2_757]	1.07	1.13
1:D:374:ILE:CA	1:E:236:GLN:CB[2_757]	1.07	1.13
1:D:375:MET:N	1:E:236:GLN:C[2_757]	1.07	1.13
1:D:401:VAL:N	1:E:196:HIS:O[2_757]	1.07	1.13
1:D:408:GLU:CD	1:E:191:ILE:O[2_757]	1.07	1.13
1:E:61:ALA:N	1:F:162:PRO:N[2_657]	1.07	1.13
1:E:85:LYS:CE	1:F:211:LEU:CD1[2_657]	1.07	1.13
1:A:30:LYS:N	5:E:1529:HOH:O[2_657]	1.08	1.12
1:A:67:LYS:CA	1:B:149:GLY:N[2_757]	1.08	1.12
1:A:86:GLU:CB	1:A:178:SER:CB[2_757]	1.08	1.12
1:A:87:PHE:CE2	1:A:175:TYR:CG[2_757]	1.08	1.12
1:A:160:SER:CB	1:A:304:THR:C[2_757]	1.08	1.12
1:A:214:LYS:CD	1:E:3:SER:CA[2_757]	1.08	1.12
1:A:214:LYS:CD	1:E:3:SER:C[2_757]	1.08	1.12
1:A:287:PHE:C	1:C:39:ASP:CG[2_858]	1.08	1.12
1:A:318:TYR:CG	1:B:160:SER:N[2_757]	1.08	1.12
1:A:392:VAL:CG1	1:F:306:GLU:CB[2_657]	1.08	1.12
1:A:398:LEU:N	1:F:103:ILE:C[2_657]	1.08	1.12
1:B:22:ILE:CB	1:C:232:VAL:O[2_858]	1.08	1.12
1:B:57:ILE:C	1:E:336:PHE:CD1[2_757]	1.08	1.12
1:B:59:GLN:CD	1:E:27:ILE:CD1[2_757]	1.08	1.12
1:B:60:ASP:CA	1:E:332:ILE:CA[2_757]	1.08	1.12
1:B:61:ALA:CA	1:E:365:THR:CG2[2_757]	1.08	1.12
1:B:66:LYS:NZ	1:E:396:GLU:C[2_757]	1.08	1.12
1:B:77:ILE:N	1:E:356:LYS:C[2_757]	1.08	1.12
1:B:82:ALA:O	1:E:350:ASN:CA[2_757]	1.08	1.12
1:B:96:PRO:CG	1:E:357:PHE:O[2_757]	1.08	1.12
1:B:121:LEU:O	1:C:65:ILE:CA[2_858]	1.08	1.12
1:B:287:PHE:CB	1:C:66:LYS:NZ[2_858]	1.08	1.12
1:B:306:GLU:OE1	1:E:404:ARG:C[2_757]	1.08	1.12
1:B:317:HIS:O	1:C:199:PHE:C[2_858]	1.08	1.12
1:B:330:ASN:O	1:C:193:GLY:CA[2_858]	1.08	1.12
1:B:360:ILE:CG1	1:C:157:TYR:CE1[2_858]	1.08	1.12
1:B:378:ASP:O	1:C:297:LEU:CD1[2_858]	1.08	1.12
1:C:391:TYR:OH	1:C:393:THR:CG2[2_958]	1.08	1.12
1:D:24:TRP:N	1:E:205:LYS:C[2_757]	1.08	1.12
1:D:35:TYR:CG	1:E:108:VAL:N[2_757]	1.08	1.12
1:D:113:ILE:CD1	1:E:249:GLU:N[2_757]	1.08	1.12
1:D:185:TYR:CE1	1:F:387:GLU:CD[2_757]	1.08	1.12
1:D:190:SER:N	1:F:375:MET:CG[2_757]	1.08	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:305:PHE:N	1:E:261:ILE:O[2_757]	1.08	1.12
1:D:356:LYS:N	1:E:275:ASP:N[2_757]	1.08	1.12
1:E:51:ASP:CG	1:E:179:GLY:CA[2_657]	1.08	1.12
1:E:93:TRP:N	1:E:146:LEU:CB[2_657]	1.08	1.12
1:A:14:LEU:CG	1:A:156:VAL:C[2_757]	1.09	1.11
1:A:44:ASP:CA	1:A:170:LEU:C[2_757]	1.09	1.11
1:A:59:GLN:NE2	1:A:185:TYR:C[2_757]	1.09	1.11
1:A:63:GLU:OE1	1:B:179:GLY:C[2_757]	1.09	1.11
1:A:79:PRO:CB	1:A:145:THR:O[2_757]	1.09	1.11
1:A:85:LYS:N	1:B:188:ASP:OD1[2_757]	1.09	1.11
1:A:122:VAL:CG2	1:C:68:TYR:CB[2_858]	1.09	1.11
1:A:216:THR:CB	1:E:5:ILE:CB[2_757]	1.09	1.11
1:A:264:LYS:CA	1:C:341:GLY:C[2_858]	1.09	1.11
1:A:286:GLY:C	1:C:10:PRO:CB[2_858]	1.09	1.11
1:A:332:ILE:CA	1:F:63:GLU:OE1[2_657]	1.09	1.11
1:B:65:ILE:C	1:E:368:THR:CG2[2_757]	1.09	1.11
1:B:79:PRO:N	1:E:354:LEU:CA[2_757]	1.09	1.11
1:B:79:PRO:CD	1:E:354:LEU:CD2[2_757]	1.09	1.11
1:B:83:ARG:CD	1:E:351:THR:C[2_757]	1.09	1.11
1:B:93:TRP:CE2	1:E:341:GLY:O[2_757]	1.09	1.11
1:B:110:ARG:NE	1:E:410:LYS:CG[2_757]	1.09	1.11
1:B:123:PRO:CB	1:C:61:ALA:C[2_858]	1.09	1.11
1:B:286:GLY:O	1:C:66:LYS:CA[2_858]	1.09	1.11
1:B:290:LEU:CB	1:C:301:ASP:CA[2_858]	1.09	1.11
1:B:317:HIS:ND1	1:C:197:SER:C[2_858]	1.09	1.11
1:B:351:THR:CG2	1:C:163:THR:CG2[2_858]	1.09	1.11
1:D:2:PHE:CE1	1:E:100:ILE:N[2_757]	1.09	1.11
1:D:26:LYS:CD	1:E:204:ASP:OD1[2_757]	1.09	1.11
1:D:233:TYR:CE2	1:F:22:ILE:O[2_757]	1.09	1.11
1:D:243:GLN:C	1:F:15:ASP:C[2_757]	1.09	1.11
1:D:358:ALA:O	1:E:270:ALA:C[2_757]	1.09	1.11
1:D:374:ILE:CB	1:E:236:GLN:CG[2_757]	1.09	1.11
1:D:398:LEU:CD1	1:E:204:ASP:N[2_757]	1.09	1.11
1:D:401:VAL:C	1:E:197:SER:N[2_757]	1.09	1.11
1:E:53:THR:OG1	1:E:151:GLY:N[2_657]	1.09	1.11
1:E:82:ALA:CA	1:F:227:ASP:CA[2_657]	1.09	1.11
1:A:43:TYR:CB	1:A:170:LEU:CG[2_757]	1.10	1.10
1:A:66:LYS:C	1:B:149:GLY:C[2_757]	1.10	1.10
1:A:97:ASN:ND2	1:B:170:LEU:N[2_757]	1.10	1.10
1:A:104:LEU:N	1:B:174:ASP:C[2_757]	1.10	1.10
1:A:121:LEU:N	1:C:41:LYS:CG[2_858]	1.10	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:129:ILE:O	1:C:8:LYS:N[2_858]	1.10	1.10
1:A:207:LEU:C	1:C:352:PRO:O[2_858]	1.10	1.10
1:A:268:ILE:N	1:C:351:THR:C[2_858]	1.10	1.10
1:A:268:ILE:O	1:C:350:ASN:C[2_858]	1.10	1.10
1:A:319:ARG:C	1:B:161:ASP:OD2[2_757]	1.10	1.10
1:B:11:VAL:O	1:E:370:GLN:CB[2_757]	1.10	1.10
1:B:40:LEU:CA	1:E:370:GLN:NE2[2_757]	1.10	1.10
1:B:57:ILE:CG1	1:E:336:PHE:CD2[2_757]	1.10	1.10
1:B:104:LEU:CA	1:E:399:ASP:C[2_757]	1.10	1.10
1:B:118:ILE:CB	1:C:101:ARG:C[2_858]	1.10	1.10
1:B:123:PRO:CD	1:C:61:ALA:O[2_858]	1.10	1.10
1:B:326:GLU:C	1:C:209:LEU:CD2[2_858]	1.10	1.10
1:B:331:SER:CB	1:C:192:GLU:CA[2_858]	1.10	1.10
1:B:359:ASN:CB	1:D:150:PRO:C[2_858]	1.10	1.10
1:B:364:ALA:CA	1:D:175:TYR:CE2[2_858]	1.10	1.10
1:B:375:MET:CG	1:C:134:HIS:O[2_858]	1.10	1.10
1:B:409:ILE:O	1:C:168:GLN:CG[2_858]	1.10	1.10
1:C:316:ARG:CB	1:C:322:GLN:C[2_958]	1.10	1.10
1:D:6:LYS:CG	1:E:310:ALA:O[2_757]	1.10	1.10
1:D:14:LEU:CD1	1:E:126:GLU:CG[2_757]	1.10	1.10
1:D:35:TYR:CB	1:E:108:VAL:CB[2_757]	1.10	1.10
1:D:104:LEU:CD1	1:E:124:ARG:CG[2_757]	1.10	1.10
1:D:134:HIS:O	1:F:377:LYS:CE[2_757]	1.10	1.10
1:D:136:HIS:CD2	1:F:385:ASN:CA[2_757]	1.10	1.10
1:D:185:TYR:CE1	1:F:387:GLU:OE2[2_757]	1.10	1.10
1:D:233:TYR:CE1	1:F:23:ILE:N[2_757]	1.10	1.10
1:D:239:SER:O	1:F:24:TRP:CE2[2_757]	1.10	1.10
1:D:246:ILE:CD1	1:F:17:ASP:O[2_757]	1.10	1.10
1:D:329:THR:CG2	1:E:244:LEU:CB[2_757]	1.10	1.10
1:D:329:THR:CG2	1:E:244:LEU:CA[2_757]	1.10	1.10
1:D:356:LYS:C	1:E:272:LYS:C[2_757]	1.10	1.10
1:D:375:MET:CA	1:E:237:TYR:N[2_757]	1.10	1.10
1:D:411:SER:CB	1:E:136:HIS:CE1[2_757]	1.10	1.10
1:E:56:LYS:O	1:F:159:PRO:CB[2_657]	1.10	1.10
1:E:93:TRP:CH2	1:E:147:ILE:CD1[2_657]	1.10	1.10
1:A:14:LEU:CG	1:A:157:TYR:N[2_757]	1.11	1.09
1:A:20:THR:C	1:B:158:LYS:CD[2_757]	1.11	1.09
1:A:89:LEU:CD1	1:A:180:VAL:CA[2_757]	1.11	1.09
1:A:97:ASN:CG	1:B:170:LEU:O[2_757]	1.11	1.09
1:A:123:PRO:CA	1:C:12:VAL:O[2_858]	1.11	1.09
1:A:125:TRP:CB	1:C:11:VAL:CB[2_858]	1.11	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:262:LYS:CB	1:C:305:PHE:N[2_858]	1.11	1.09
1:A:286:GLY:CA	1:C:10:PRO:CG[2_858]	1.11	1.09
1:A:316:ARG:O	1:B:163:THR:N[2_757]	1.11	1.09
1:A:374:ILE:CA	1:F:100:ILE:CD1[2_657]	1.11	1.09
1:A:384:GLY:N	1:F:40:LEU:O[2_657]	1.11	1.09
1:F:67:LYS:CD	3:A:1101:NDP:C2A[2_657]	1.11	1.09
1:B:10:PRO:CA	1:E:117:ARG:CD[2_757]	1.11	1.09
1:B:19:MET:CB	1:C:237:TYR:OH[2_858]	1.11	1.09
1:B:43:TYR:CB	1:E:366:LEU:CG[2_757]	1.11	1.09
1:B:55:ASP:O	1:E:335:ILE:O[2_757]	1.11	1.09
1:B:57:ILE:CD1	1:E:336:PHE:CE2[2_757]	1.11	1.09
1:B:104:LEU:CD2	1:E:400:ALA:C[2_757]	1.11	1.09
1:B:318:TYR:CE1	1:C:237:TYR:CA[2_858]	1.11	1.09
1:B:321:TYR:O	1:C:241:PHE:CD2[2_858]	1.11	1.09
1:B:321:TYR:CE1	1:C:233:TYR:CG[2_858]	1.11	1.09
1:B:322:GLN:N	1:C:241:PHE:CG[2_858]	1.11	1.09
1:B:328:SER:C	1:C:194:PHE:O[2_858]	1.11	1.09
1:B:377:LYS:CE	1:C:109:PHE:CG[2_858]	1.11	1.09
1:B:385:ASN:C	1:C:110:ARG:NE[2_858]	1.11	1.09
1:D:10:PRO:CD	1:E:285:GLN:O[2_757]	1.11	1.09
1:D:23:ILE:O	1:E:205:LYS:CA[2_757]	1.11	1.09
1:D:25:ASP:O	1:E:205:LYS:CE[2_757]	1.11	1.09
1:D:195:ALA:C	1:F:330:ASN:CA[2_757]	1.11	1.09
1:D:227:ASP:O	1:F:395:GLU:O[2_757]	1.11	1.09
1:D:241:PHE:CZ	1:F:20:THR:CA[2_757]	1.11	1.09
1:D:242:GLU:N	1:F:15:ASP:OD1[2_757]	1.11	1.09
1:D:353:ALA:CB	1:E:277:ASP:CB[2_757]	1.11	1.09
1:D:360:ILE:C	1:E:194:PHE:CZ[2_757]	1.11	1.09
1:E:48:GLU:O	1:E:177:GLY:C[2_657]	1.11	1.09
1:E:48:GLU:O	1:E:177:GLY:O[2_657]	1.11	1.09
1:E:56:LYS:O	1:F:159:PRO:CG[2_657]	1.11	1.09
1:E:60:ASP:C	1:F:162:PRO:N[2_657]	1.11	1.09
1:A:18:GLU:C	1:B:158:LYS:O[2_757]	1.12	1.08
1:A:47:VAL:CG2	1:A:175:TYR:CE1[2_757]	1.12	1.08
1:A:66:LYS:O	1:B:149:GLY:C[2_757]	1.12	1.08
1:A:85:LYS:C	1:B:188:ASP:CB[2_757]	1.12	1.08
1:A:263:SER:CB	1:C:344:LYS:C[2_858]	1.12	1.08
1:A:318:TYR:N	1:B:162:PRO:N[2_757]	1.12	1.08
1:B:23:ILE:CA	1:C:232:VAL:CG2[2_858]	1.12	1.08
1:B:45:LEU:CG	1:E:362:GLU:CA[2_757]	1.12	1.08
1:B:65:ILE:CA	1:E:368:THR:CB[2_757]	1.12	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:104:LEU:CG	1:E:401:VAL:N[2_757]	1.12	1.08
1:B:117:ARG:C	1:C:98:GLY:O[2_858]	1.12	1.08
1:B:118:ILE:CB	1:C:102:ASN:N[2_858]	1.12	1.08
1:B:122:VAL:CA	1:C:64:ALA:C[2_858]	1.12	1.08
1:B:140:TYR:O	1:E:34:PRO:CG[2_757]	1.12	1.08
1:B:277:ASP:CG	1:E:2:PHE:N[2_757]	1.12	1.08
1:B:306:GLU:OE1	1:E:404:ARG:O[2_757]	1.12	1.08
1:B:366:LEU:CD1	1:D:173:TYR:OH[2_858]	1.12	1.08
1:B:390:ALA:N	1:C:276:GLY:O[2_858]	1.12	1.08
1:B:399:ASP:CB	1:C:222:ASP:O[2_858]	1.12	1.08
1:C:134:HIS:NE2	5:B:1221:HOH:O[2_858]	1.12	1.08
1:D:5:ILE:CD1	1:E:133:ARG:NE[2_757]	1.12	1.08
1:D:23:ILE:C	1:E:206:LYS:N[2_757]	1.12	1.08
1:D:212:SER:OG	1:F:325:GLU:N[2_757]	1.12	1.08
1:D:233:TYR:CE1	1:F:23:ILE:CA[2_757]	1.12	1.08
1:D:249:GLU:CG	1:F:321:TYR:OH[2_757]	1.12	1.08
1:D:268:ILE:O	1:F:318:TYR:N[2_757]	1.12	1.08
1:D:268:ILE:CG2	1:F:317:HIS:N[2_757]	1.12	1.08
1:D:328:SER:N	1:E:243:GLN:CD[2_757]	1.12	1.08
1:E:93:TRP:CZ2	1:E:147:ILE:CG1[2_657]	1.12	1.08
1:A:45:LEU:CG	1:A:155:LEU:CB[2_757]	1.13	1.07
1:A:66:LYS:NZ	1:B:177:GLY:N[2_757]	1.13	1.07
1:A:78:THR:O	1:A:145:THR:CB[2_757]	1.13	1.07
1:A:96:PRO:O	1:B:172:VAL:CB[2_757]	1.13	1.07
1:A:102:ASN:O	1:B:173:TYR:CE1[2_757]	1.13	1.07
1:A:123:PRO:CD	1:C:12:VAL:CB[2_858]	1.13	1.07
1:A:160:SER:OG	1:A:304:THR:O[2_757]	1.13	1.07
1:A:217:ILE:O	1:E:36:LEU:O[2_757]	1.13	1.07
1:A:267:PHE:CG	1:C:346:GLY:C[2_858]	1.13	1.07
1:A:269:MET:CB	1:C:349:ASP:O[2_858]	1.13	1.07
1:B:27:ILE:CD1	1:C:192:GLU:OE1[2_858]	1.13	1.07
1:B:51:ASP:OD2	1:E:344:LYS:CD[2_757]	1.13	1.07
1:B:95:SER:C	1:E:357:PHE:CE2[2_757]	1.13	1.07
1:B:331:SER:OG	1:C:192:GLU:N[2_858]	1.13	1.07
1:B:332:ILE:CG1	1:C:190:SER:CB[2_858]	1.13	1.07
1:B:332:ILE:C	1:C:189:GLU:CG[2_858]	1.13	1.07
1:B:377:LYS:CB	1:C:107:THR:CG2[2_858]	1.13	1.07
1:B:399:ASP:C	1:C:221:TYR:O[2_858]	1.13	1.07
1:B:407:LYS:NZ	1:D:144:ASP:OD1[2_858]	1.13	1.07
1:C:316:ARG:CA	1:C:322:GLN:C[2_958]	1.13	1.07
1:D:118:ILE:CB	1:E:234:GLU:OE1[2_757]	1.13	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:186:ASN:CA	1:F:390:ALA:CA[2_757]	1.13	1.07
1:D:193:GLY:O	1:F:378:ASP:OD1[2_757]	1.13	1.07
1:D:227:ASP:C	1:F:396:GLU:C[2_757]	1.13	1.07
1:D:228:ILE:CA	1:F:397:PHE:CA[2_757]	1.13	1.07
1:D:231:GLU:CA	1:F:398:LEU:C[2_757]	1.13	1.07
1:D:233:TYR:CZ	1:F:22:ILE:O[2_757]	1.13	1.07
1:D:306:GLU:CA	1:E:263:SER:N[2_757]	1.13	1.07
1:D:330:ASN:ND2	1:E:241:PHE:CG[2_757]	1.13	1.07
1:D:357:PHE:N	1:E:272:LYS:O[2_757]	1.13	1.07
1:E:47:VAL:O	1:E:178:SER:N[2_657]	1.13	1.07
1:E:51:ASP:CB	1:E:179:GLY:N[2_657]	1.13	1.07
1:E:82:ALA:O	1:F:227:ASP:C[2_657]	1.13	1.07
1:E:90:HIS:N	1:E:180:VAL:CB[2_657]	1.13	1.07
1:A:10:PRO:N	1:A:166:GLN:NE2[2_757]	1.14	1.06
1:A:44:ASP:CG	1:A:171:LYS:CA[2_757]	1.14	1.06
1:A:51:ASP:N	1:B:184:MET:C[2_757]	1.14	1.06
1:A:60:ASP:CA	1:B:145:THR:O[2_757]	1.14	1.06
1:A:92:MET:CB	1:B:221:TYR:CA[2_757]	1.14	1.06
1:A:97:ASN:C	1:B:171:LYS:O[2_757]	1.14	1.06
1:A:100:ILE:CD1	1:B:154:GLU:N[2_757]	1.14	1.06
1:A:216:THR:CA	1:E:5:ILE:CA[2_757]	1.14	1.06
1:A:387:GLU:OE2	1:F:338:TRP:CH2[2_657]	1.14	1.06
1:A:398:LEU:C	1:F:103:ILE:CA[2_657]	1.14	1.06
1:A:404:ARG:CZ	1:F:94:LYS:O[2_657]	1.14	1.06
1:A:410:LYS:O	1:E:220:LYS:CE[2_657]	1.14	1.06
1:B:18:GLU:O	1:C:236:GLN:CG[2_858]	1.14	1.06
1:B:19:MET:CA	1:C:237:TYR:CE1[2_858]	1.14	1.06
1:B:21:ARG:C	1:C:235:ALA:CB[2_858]	1.14	1.06
1:B:76:THR:C	1:E:356:LYS:C[2_757]	1.14	1.06
1:B:81:GLU:CB	1:E:8:LYS:CB[2_757]	1.14	1.06
1:B:81:GLU:CA	1:E:8:LYS:CB[2_757]	1.14	1.06
1:B:104:LEU:CG	1:E:400:ALA:C[2_757]	1.14	1.06
1:B:121:LEU:CA	1:C:65:ILE:CB[2_858]	1.14	1.06
1:B:288:GLY:C	1:C:299:THR:CG2[2_858]	1.14	1.06
1:B:296:ILE:C	1:E:407:LYS:CD[2_757]	1.14	1.06
1:B:330:ASN:C	1:C:193:GLY:CA[2_858]	1.14	1.06
1:B:360:ILE:N	1:D:149:GLY:O[2_858]	1.14	1.06
1:B:375:MET:CE	1:C:273:ASN:ND2[2_858]	1.14	1.06
1:B:377:LYS:C	1:C:107:THR:CA[2_858]	1.14	1.06
1:B:391:TYR:CZ	1:C:132:GLY:CA[2_858]	1.14	1.06
1:B:392:VAL:CA	1:C:271:LEU:C[2_858]	1.14	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:399:ASP:OD1	1:C:223:GLY:O[2_858]	1.14	1.06
1:D:35:TYR:CB	1:E:108:VAL:CA[2_757]	1.14	1.06
1:D:70:VAL:CA	1:E:125:TRP:CE2[2_757]	1.14	1.06
1:D:191:ILE:CG1	1:F:391:TYR:C[2_757]	1.14	1.06
1:D:191:ILE:CA	1:F:375:MET:O[2_757]	1.14	1.06
1:D:305:PHE:CD1	1:E:258:ALA:O[2_757]	1.14	1.06
1:D:338:TRP:CZ3	1:E:130:ILE:N[2_757]	1.14	1.06
1:D:347:GLU:OE1	1:E:257:VAL:CG2[2_757]	1.14	1.06
1:D:349:ASP:O	1:F:257:VAL:CB[2_757]	1.14	1.06
1:D:366:LEU:O	1:E:229:PHE:O[2_757]	1.14	1.06
1:D:377:LYS:N	1:E:239:SER:CB[2_757]	1.14	1.06
1:D:409:ILE:CG2	1:E:135:ALA:CA[2_757]	1.14	1.06
1:E:56:LYS:CD	1:F:158:LYS:N[2_657]	1.14	1.06
1:E:60:ASP:OD2	1:F:159:PRO:O[2_657]	1.14	1.06
1:A:12:VAL:N	1:A:167:PRO:N[2_757]	1.15	1.05
1:A:13:GLU:O	1:A:169:THR:CA[2_757]	1.15	1.05
1:A:18:GLU:C	1:B:158:LYS:C[2_757]	1.15	1.05
1:A:47:VAL:CB	1:A:175:TYR:OH[2_757]	1.15	1.05
1:A:76:THR:CG2	1:B:156:VAL:N[2_757]	1.15	1.05
1:A:89:LEU:CD1	1:A:180:VAL:C[2_757]	1.15	1.05
1:A:92:MET:N	1:B:221:TYR:CB[2_757]	1.15	1.05
1:A:97:ASN:C	1:B:172:VAL:N[2_757]	1.15	1.05
1:A:103:ILE:CB	1:B:173:TYR:CE2[2_757]	1.15	1.05
1:A:112:PRO:CD	1:C:7:VAL:O[2_858]	1.15	1.05
1:A:218:LEU:C	1:E:37:ASP:OD1[2_757]	1.15	1.05
1:A:261:ILE:CG2	1:C:69:GLY:CA[2_858]	1.15	1.05
1:A:267:PHE:CD1	1:C:346:GLY:C[2_858]	1.15	1.05
1:B:189:GLU:CB	5:A:1129:HOH:O[2_757]	1.15	1.05
1:B:22:ILE:C	1:C:232:VAL:CA[2_858]	1.15	1.05
1:B:92:MET:SD	1:E:7:VAL:C[2_757]	1.15	1.05
1:B:124:ARG:NH2	1:F:39:ASP:CG[2_657]	1.15	1.05
1:B:140:TYR:CA	1:E:34:PRO:CA[2_757]	1.15	1.05
1:B:308:GLU:CG	1:E:407:LYS:O[2_757]	1.15	1.05
1:B:324:GLY:O	1:C:247:HIS:O[2_858]	1.15	1.05
1:B:330:ASN:CA	1:C:193:GLY:C[2_858]	1.15	1.05
1:B:332:ILE:CD1	1:C:190:SER:CB[2_858]	1.15	1.05
1:B:381:LEU:N	1:C:108:VAL:CG2[2_858]	1.15	1.05
1:B:391:TYR:CE1	1:C:132:GLY:C[2_858]	1.15	1.05
1:B:395:GLU:N	1:C:229:PHE:CG[2_858]	1.15	1.05
1:B:407:LYS:CD	1:D:144:ASP:CA[2_858]	1.15	1.05
1:D:2:PHE:CD1	1:E:100:ILE:CB[2_757]	1.15	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:41:LYS:CG	1:E:287:PHE:O[2_757]	1.15	1.05
1:D:81:GLU:N	1:D:88:ASN:ND2[2_858]	1.15	1.05
1:D:137:GLY:CA	1:F:386:ASN:C[2_757]	1.15	1.05
1:D:230:GLN:CG	5:F:1613:HOH:O[2_757]	1.15	1.05
1:D:239:SER:O	1:F:24:TRP:NE1[2_757]	1.15	1.05
1:D:352:PRO:CB	1:E:274:TYR:CE2[2_757]	1.15	1.05
1:D:357:PHE:O	1:E:271:LEU:O[2_757]	1.15	1.05
1:D:394:THR:O	1:E:203:ILE:CG2[2_757]	1.15	1.05
1:E:55:ASP:C	1:F:157:TYR:CE2[2_657]	1.15	1.05
1:E:82:ALA:CA	1:F:227:ASP:CB[2_657]	1.15	1.05
1:E:83:ARG:O	1:F:224:ARG:NH1[2_657]	1.15	1.05
1:A:3:SER:OG	1:E:170:LEU:CA[2_657]	1.16	1.04
1:A:4:LYS:NZ	1:E:152:SER:CA[2_657]	1.16	1.04
1:A:21:ARG:NH1	1:A:171:LYS:NZ[2_757]	1.16	1.04
1:A:69:GLY:O	1:A:159:PRO:C[2_757]	1.16	1.04
1:A:71:GLY:CA	1:A:158:LYS:CA[2_757]	1.16	1.04
1:A:76:THR:OG1	1:B:155:LEU:C[2_757]	1.16	1.04
1:A:91:LYS:CG	1:B:272:LYS:NZ[2_757]	1.16	1.04
1:A:100:ILE:C	1:B:173:TYR:CA[2_757]	1.16	1.04
1:A:125:TRP:CA	1:C:11:VAL:CG1[2_858]	1.16	1.04
1:A:125:TRP:CE2	1:C:345:ARG:NH1[2_858]	1.16	1.04
1:A:131:ILE:CD1	1:C:8:LYS:CE[2_858]	1.16	1.04
1:A:160:SER:CB	1:A:304:THR:CA[2_757]	1.16	1.04
1:A:389:SER:O	1:F:72:ILE:CA[2_657]	1.16	1.04
1:B:22:ILE:O	1:C:232:VAL:N[2_858]	1.16	1.04
1:B:59:GLN:OE1	1:E:27:ILE:CD1[2_757]	1.16	1.04
1:B:63:GLU:OE1	1:E:331:SER:N[2_757]	1.16	1.04
1:B:73:LYS:CB	1:E:408:GLU:CD[2_757]	1.16	1.04
1:B:79:PRO:N	1:E:354:LEU:CB[2_757]	1.16	1.04
1:B:99:THR:C	1:E:31:LEU:CG[2_757]	1.16	1.04
1:B:99:THR:O	1:E:31:LEU:CD2[2_757]	1.16	1.04
1:B:310:ALA:CA	1:E:410:LYS:C[2_757]	1.16	1.04
1:B:318:TYR:CE1	1:C:237:TYR:N[2_858]	1.16	1.04
1:B:319:ARG:CA	1:C:203:ILE:CG1[2_858]	1.16	1.04
1:B:359:ASN:N	1:D:150:PRO:CA[2_858]	1.16	1.04
1:B:372:ASP:C	1:C:138:ASP:C[2_858]	1.16	1.04
1:E:360:ILE:CD1	3:B:1201:NDP:O7N[2_757]	1.16	1.04
1:D:13:GLU:CG	1:E:128:PRO:CA[2_757]	1.16	1.04
1:D:35:TYR:CE2	1:E:107:THR:O[2_757]	1.16	1.04
1:D:38:VAL:CB	1:E:293:MET:CE[2_757]	1.16	1.04
1:D:198:SER:N	3:F:1601:NDP:N1A[2_757]	1.16	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:223:GLY:C	1:F:396:GLU:OE1[2_757]	1.16	1.04
1:D:240:LYS:N	1:F:24:TRP:CD2[2_757]	1.16	1.04
1:D:241:PHE:CD2	1:F:20:THR:C[2_757]	1.16	1.04
1:D:248:TYR:N	1:F:22:ILE:CG1[2_757]	1.16	1.04
1:D:256:MET:CB	1:F:323:LYS:C[2_757]	1.16	1.04
1:D:302:GLY:O	1:F:285:GLN:N[2_757]	1.16	1.04
1:D:309:ALA:CB	1:E:208:ASN:CG[2_757]	1.16	1.04
1:D:335:ILE:CB	1:E:209:LEU:CG[2_757]	1.16	1.04
1:D:337:ALA:CB	1:E:267:PHE:CB[2_757]	1.16	1.04
1:D:340:ARG:CB	1:E:256:MET:CE[2_757]	1.16	1.04
1:D:348:LEU:O	1:F:260:MET:CE[2_757]	1.16	1.04
1:D:358:ALA:O	1:E:270:ALA:O[2_757]	1.16	1.04
1:D:358:ALA:CB	1:E:271:LEU:CD2[2_757]	1.16	1.04
1:D:367:ASN:OD1	1:E:228:ILE:CB[2_757]	1.16	1.04
1:D:375:MET:CE	1:E:234:GLU:O[2_757]	1.16	1.04
1:D:401:VAL:CG2	1:E:199:PHE:CB[2_757]	1.16	1.04
1:E:91:LYS:CA	1:E:145:THR:O[2_657]	1.16	1.04
1:A:2:PHE:O	1:E:155:LEU:N[2_657]	1.17	1.03
1:A:14:LEU:O	1:A:156:VAL:CG2[2_757]	1.17	1.03
1:A:49:SER:CB	1:A:172:VAL:CA[2_757]	1.17	1.03
1:A:51:ASP:CB	1:B:185:TYR:CA[2_757]	1.17	1.03
1:A:92:MET:C	1:B:221:TYR:CB[2_757]	1.17	1.03
1:A:206:LYS:O	1:C:356:LYS:CB[2_858]	1.17	1.03
1:A:266:GLY:C	1:C:354:LEU:CB[2_858]	1.17	1.03
1:A:365:THR:CG2	1:F:59:GLN:CD[2_657]	1.17	1.03
1:A:372:ASP:OD1	1:F:96:PRO:N[2_657]	1.17	1.03
1:A:374:ILE:CB	1:F:100:ILE:CG1[2_657]	1.17	1.03
1:A:376:THR:CA	1:F:65:ILE:CA[2_657]	1.17	1.03
1:B:22:ILE:O	1:C:231:GLU:C[2_858]	1.17	1.03
1:B:31:LEU:CD1	1:C:188:ASP:CG[2_858]	1.17	1.03
1:B:39:ASP:OD2	1:E:117:ARG:CA[2_757]	1.17	1.03
1:B:68:TYR:CE2	1:E:375:MET:CE[2_757]	1.17	1.03
1:B:76:THR:CB	1:E:356:LYS:O[2_757]	1.17	1.03
1:B:83:ARG:NE	1:E:352:PRO:CA[2_757]	1.17	1.03
1:B:125:TRP:C	1:C:63:GLU:CG[2_858]	1.17	1.03
1:B:288:GLY:O	1:C:299:THR:CG2[2_858]	1.17	1.03
1:B:290:LEU:CG	1:C:301:ASP:CB[2_858]	1.17	1.03
1:B:297:LEU:CB	1:E:403:LYS:O[2_757]	1.17	1.03
1:B:329:THR:OG1	1:C:196:HIS:C[2_858]	1.17	1.03
1:B:358:ALA:C	1:D:149:GLY:C[2_858]	1.17	1.03
1:B:366:LEU:CG	1:D:173:TYR:OH[2_858]	1.17	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:367:ASN:N	1:C:185:TYR:CE1[2_858]	1.17	1.03
1:B:407:LYS:N	1:D:145:THR:CG2[2_858]	1.17	1.03
1:E:406:GLN:CA	5:B:1216:HOH:O[2_757]	1.17	1.03
1:C:319:ARG:CA	1:C:319:ARG:CB[2_958]	1.17	1.03
1:D:7:VAL:CG1	1:E:280:SER:O[2_757]	1.17	1.03
1:D:14:LEU:N	1:E:127:LYS:C[2_757]	1.17	1.03
1:D:34:PRO:CB	1:E:296:ILE:O[2_757]	1.17	1.03
1:D:190:SER:N	1:F:375:MET:SD[2_757]	1.17	1.03
1:D:196:HIS:CE1	1:F:332:ILE:CA[2_757]	1.17	1.03
1:D:204:ASP:CA	1:F:312:GLY:CA[2_757]	1.17	1.03
1:D:205:LYS:CG	3:F:1601:NDP:C5D[2_757]	1.17	1.03
1:D:231:GLU:N	1:F:398:LEU:CB[2_757]	1.17	1.03
1:D:238:LYS:CG	1:F:25:ASP:CA[2_757]	1.17	1.03
1:D:238:LYS:CB	1:F:24:TRP:O[2_757]	1.17	1.03
1:D:242:GLU:CB	1:F:15:ASP:OD2[2_757]	1.17	1.03
1:D:256:MET:CA	1:F:323:LYS:O[2_757]	1.17	1.03
1:D:299:THR:C	1:F:288:GLY:O[2_757]	1.17	1.03
1:D:356:LYS:NZ	1:E:139:GLN:CG[2_757]	1.17	1.03
1:D:368:THR:N	1:E:232:VAL:CB[2_757]	1.17	1.03
1:D:374:ILE:CG1	1:E:236:GLN:CD[2_757]	1.17	1.03
1:D:400:ALA:CA	1:E:200:LYS:NZ[2_757]	1.17	1.03
1:D:404:ARG:CG	1:E:192:GLU:C[2_757]	1.17	1.03
1:E:242:GLU:CA	3:D:1401:NDP:C2A[2_757]	1.17	1.03
1:F:391:TYR:OH	5:D:1406:HOH:O[2_757]	1.17	1.03
1:E:59:GLN:O	1:F:162:PRO:CA[2_657]	1.17	1.03
1:E:88:ASN:CA	1:F:191:ILE:CG1[2_657]	1.17	1.03
1:A:10:PRO:CA	1:A:166:GLN:CG[2_757]	1.18	1.02
1:A:47:VAL:N	1:A:153:LEU:CG[2_757]	1.18	1.02
1:A:59:GLN:C	1:B:181:ALA:N[2_757]	1.18	1.02
1:A:69:GLY:O	1:A:160:SER:N[2_757]	1.18	1.02
1:A:86:GLU:N	1:B:188:ASP:CG[2_757]	1.18	1.02
1:A:98:GLY:N	1:B:171:LYS:O[2_757]	1.18	1.02
1:A:141:LYS:CB	1:A:141:LYS:NZ[2_757]	1.18	1.02
1:A:206:LYS:CD	5:C:1350:HOH:O[2_858]	1.18	1.02
1:A:210:PHE:O	1:C:350:ASN:OD1[2_858]	1.18	1.02
1:A:214:LYS:CG	1:E:4:LYS:N[2_757]	1.18	1.02
1:A:317:HIS:CA	1:B:162:PRO:CA[2_757]	1.18	1.02
1:A:329:THR:N	1:F:66:LYS:C[2_657]	1.18	1.02
1:A:381:LEU:CD1	1:F:10:PRO:CG[2_657]	1.18	1.02
1:A:399:ASP:O	1:F:102:ASN:CA[2_657]	1.18	1.02
1:B:47:VAL:CB	1:E:343:LEU:CD2[2_757]	1.18	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:70:VAL:CA	1:E:372:ASP:CG[2_757]	1.18	1.02
1:B:73:LYS:NZ	1:E:360:ILE:CB[2_757]	1.18	1.02
1:B:84:VAL:O	1:E:348:LEU:CA[2_757]	1.18	1.02
1:B:88:ASN:N	1:E:347:GLU:C[2_757]	1.18	1.02
1:B:100:ILE:CG2	1:E:401:VAL:O[2_757]	1.18	1.02
1:B:126:GLU:CA	1:C:63:GLU:OE2[2_858]	1.18	1.02
1:B:141:LYS:CE	1:E:29:LYS:N[2_757]	1.18	1.02
1:B:285:GLN:CG	1:C:304:THR:N[2_858]	1.18	1.02
1:B:310:ALA:C	1:E:410:LYS:C[2_757]	1.18	1.02
1:B:320:LYS:CE	1:C:201:LEU:C[2_858]	1.18	1.02
1:B:321:TYR:CZ	1:C:233:TYR:CD1[2_858]	1.18	1.02
1:B:322:GLN:CB	1:C:241:PHE:N[2_858]	1.18	1.02
1:B:323:LYS:N	1:C:246:ILE:CG1[2_858]	1.18	1.02
1:B:363:SER:N	1:D:175:TYR:CG[2_858]	1.18	1.02
1:B:364:ALA:N	1:D:175:TYR:CZ[2_858]	1.18	1.02
1:B:365:THR:CB	1:C:187:THR:CA[2_858]	1.18	1.02
1:B:376:THR:CG2	1:C:194:PHE:CB[2_858]	1.18	1.02
1:C:319:ARG:N	1:C:319:ARG:C[2_958]	1.18	1.02
1:D:10:PRO:N	1:E:285:GLN:CA[2_757]	1.18	1.02
1:D:13:GLU:CD	1:E:128:PRO:CG[2_757]	1.18	1.02
1:D:37:ASP:CB	1:E:310:ALA:CB[2_757]	1.18	1.02
1:D:200:LYS:CE	1:F:291:GLY:CA[2_757]	1.18	1.02
1:D:334:SER:OG	1:E:207:LEU:C[2_757]	1.18	1.02
1:D:337:ALA:O	1:E:267:PHE:CE1[2_757]	1.18	1.02
1:D:354:LEU:O	1:E:276:GLY:N[2_757]	1.18	1.02
1:D:354:LEU:CG	1:E:280:SER:N[2_757]	1.18	1.02
1:D:368:THR:C	1:E:232:VAL:CG1[2_757]	1.18	1.02
1:D:369:VAL:O	1:E:231:GLU:O[2_757]	1.18	1.02
1:E:50:ARG:CA	1:E:149:GLY:CA[2_657]	1.18	1.02
1:E:56:LYS:CA	1:F:159:PRO:N[2_657]	1.18	1.02
1:E:90:HIS:ND1	1:E:181:ALA:CA[2_657]	1.18	1.02
1:A:18:GLU:CD	1:B:157:TYR:OH[2_757]	1.19	1.01
1:A:43:TYR:O	1:A:170:LEU:N[2_757]	1.19	1.01
1:A:67:LYS:CB	1:B:148:PRO:CB[2_757]	1.19	1.01
1:A:87:PHE:O	1:B:187:THR:CA[2_757]	1.19	1.01
1:A:111:GLU:CG	1:C:6:LYS:CB[2_858]	1.19	1.01
1:A:114:VAL:CG2	1:C:37:ASP:C[2_858]	1.19	1.01
1:A:115:ILE:CD1	1:F:60:ASP:CG[2_657]	1.19	1.01
1:A:127:LYS:NZ	1:C:357:PHE:CB[2_858]	1.19	1.01
1:A:141:LYS:CD	1:A:141:LYS:CE[2_757]	1.19	1.01
1:A:264:LYS:CD	1:C:341:GLY:N[2_858]	1.19	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:267:PHE:CE1	1:C:345:ARG:O[2_858]	1.19	1.01
1:A:369:VAL:CB	1:F:57:ILE:O[2_657]	1.19	1.01
1:B:189:GLU:CA	5:A:1129:HOH:O[2_757]	1.19	1.01
1:B:10:PRO:CB	1:E:117:ARG:CG[2_757]	1.19	1.01
1:B:58:THR:C	1:E:335:ILE:CG2[2_757]	1.19	1.01
1:B:78:THR:C	1:E:354:LEU:CA[2_757]	1.19	1.01
1:B:89:LEU:CA	1:E:344:LYS:C[2_757]	1.19	1.01
1:B:90:HIS:CE1	1:E:305:PHE:O[2_757]	1.19	1.01
1:B:102:ASN:O	1:E:30:LYS:CD[2_757]	1.19	1.01
1:B:122:VAL:O	1:C:64:ALA:N[2_858]	1.19	1.01
1:B:123:PRO:CA	1:C:61:ALA:C[2_858]	1.19	1.01
1:B:308:GLU:CD	1:E:407:LYS:C[2_757]	1.19	1.01
1:B:324:GLY:CA	1:C:247:HIS:N[2_858]	1.19	1.01
1:B:365:THR:CG2	1:C:187:THR:C[2_858]	1.19	1.01
1:B:377:LYS:CA	1:C:107:THR:CG2[2_858]	1.19	1.01
1:B:407:LYS:CD	1:D:144:ASP:N[2_858]	1.19	1.01
1:D:26:LYS:CD	1:E:204:ASP:CG[2_757]	1.19	1.01
1:D:43:TYR:CE1	1:E:120:ARG:NH1[2_757]	1.19	1.01
1:D:65:ILE:CB	1:E:125:TRP:N[2_757]	1.19	1.01
1:D:187:THR:O	1:F:390:ALA:O[2_757]	1.19	1.01
1:D:212:SER:C	1:F:326:GLU:CA[2_757]	1.19	1.01
1:D:225:PHE:CA	1:F:393:THR:N[2_757]	1.19	1.01
1:D:225:PHE:CD1	1:F:388:ARG:NH1[2_757]	1.19	1.01
1:D:246:ILE:N	1:F:16:GLY:O[2_757]	1.19	1.01
1:D:246:ILE:CB	1:F:17:ASP:CA[2_757]	1.19	1.01
1:D:332:ILE:N	1:E:241:PHE:CZ[2_757]	1.19	1.01
1:D:344:LYS:CD	1:E:258:ALA:N[2_757]	1.19	1.01
1:D:360:ILE:O	1:E:194:PHE:CE1[2_757]	1.19	1.01
1:D:376:THR:CB	1:E:240:LYS:N[2_757]	1.19	1.01
1:D:401:VAL:O	1:E:197:SER:CA[2_757]	1.19	1.01
1:D:406:GLN:O	1:E:106:GLY:N[2_757]	1.19	1.01
1:E:84:VAL:CB	1:F:224:ARG:CB[2_657]	1.19	1.01
1:A:17:ASP:O	1:B:158:LYS:N[2_757]	1.20	1.00
1:A:67:LYS:CA	1:B:148:PRO:C[2_757]	1.20	1.00
1:A:87:PHE:N	1:A:178:SER:O[2_757]	1.20	1.00
1:A:91:LYS:CA	1:B:221:TYR:CD2[2_757]	1.20	1.00
1:A:91:LYS:C	1:B:221:TYR:CG[2_757]	1.20	1.00
1:A:100:ILE:C	1:B:173:TYR:C[2_757]	1.20	1.00
1:A:126:GLU:OE1	1:C:338:TRP:C[2_858]	1.20	1.00
1:A:265:GLY:CA	1:C:345:ARG:CB[2_858]	1.20	1.00
1:A:314:VAL:CA	1:B:167:PRO:CD[2_757]	1.20	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:404:ARG:CD	5:F:1608:HOH:O[2_657]	1.20	1.00
1:B:17:ASP:CB	5:E:1533:HOH:O[2_757]	1.20	1.00
1:B:55:ASP:CB	1:E:338:TRP:CA[2_757]	1.20	1.00
1:B:56:LYS:NZ	1:E:308:GLU:C[2_757]	1.20	1.00
1:B:57:ILE:CB	1:E:336:PHE:CG[2_757]	1.20	1.00
1:B:61:ALA:O	1:E:365:THR:O[2_757]	1.20	1.00
1:B:71:GLY:C	1:E:404:ARG:CZ[2_757]	1.20	1.00
1:B:84:VAL:O	1:E:348:LEU:C[2_757]	1.20	1.00
1:B:94:LYS:CD	1:E:32:ILE:CG2[2_757]	1.20	1.00
1:B:104:LEU:CD2	1:E:401:VAL:N[2_757]	1.20	1.00
1:B:321:TYR:O	1:C:241:PHE:CG[2_858]	1.20	1.00
1:B:331:SER:N	1:C:193:GLY:N[2_858]	1.20	1.00
1:B:362:GLU:CD	1:D:176:LYS:O[2_858]	1.20	1.00
1:B:368:THR:CA	1:C:185:TYR:C[2_858]	1.20	1.00
1:D:8:LYS:NZ	1:F:256:MET:O[2_757]	1.20	1.00
1:D:9:GLN:O	1:E:285:GLN:N[2_757]	1.20	1.00
1:D:65:ILE:CA	1:E:122:VAL:O[2_757]	1.20	1.00
1:D:191:ILE:C	1:F:375:MET:C[2_757]	1.20	1.00
1:D:201:LEU:CG	3:F:1601:NDP:C5B[2_757]	1.20	1.00
1:D:210:PHE:CB	1:F:321:TYR:CA[2_757]	1.20	1.00
1:D:256:MET:CE	1:F:322:GLN:C[2_757]	1.20	1.00
1:D:268:ILE:N	1:F:315:THR:O[2_757]	1.20	1.00
1:D:297:LEU:C	1:E:262:LYS:CD[2_757]	1.20	1.00
1:D:364:ALA:C	1:E:195:ALA:CA[2_757]	1.20	1.00
1:D:369:VAL:C	1:E:231:GLU:C[2_757]	1.20	1.00
1:D:401:VAL:C	1:E:196:HIS:C[2_757]	1.20	1.00
1:E:242:GLU:C	3:D:1401:NDP:C2A[2_757]	1.20	1.00
1:E:251:ARG:NH1	5:D:1425:HOH:O[2_757]	1.20	1.00
1:E:81:GLU:C	1:F:227:ASP:OD2[2_657]	1.20	1.00
1:A:2:PHE:CA	1:E:155:LEU:CB[2_657]	1.21	0.99
1:A:51:ASP:O	1:B:138:ASP:O[2_757]	1.21	0.99
1:A:51:ASP:CB	1:B:185:TYR:C[2_757]	1.21	0.99
1:A:53:THR:CG2	1:B:183:ALA:O[2_757]	1.21	0.99
1:A:64:ALA:N	1:B:147:ILE:CA[2_757]	1.21	0.99
1:A:80:ASP:C	1:A:146:LEU:CD1[2_757]	1.21	0.99
1:A:86:GLU:CB	1:A:178:SER:CA[2_757]	1.21	0.99
1:A:92:MET:CE	1:B:219:LYS:C[2_757]	1.21	0.99
1:A:103:ILE:CA	1:B:173:TYR:CZ[2_757]	1.21	0.99
1:A:162:PRO:O	1:A:345:ARG:NE[2_757]	1.21	0.99
1:A:207:LEU:CB	1:C:353:ALA:CA[2_858]	1.21	0.99
1:A:314:VAL:N	1:B:167:PRO:CD[2_757]	1.21	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:391:TYR:CA	1:F:71:GLY:CA[2_657]	1.21	0.99
1:F:66:LYS:CD	5:A:1105:HOH:O[2_657]	1.21	0.99
1:B:18:GLU:OE1	1:E:356:LYS:CE[2_757]	1.21	0.99
1:B:57:ILE:O	1:E:336:PHE:CD1[2_757]	1.21	0.99
1:B:67:LYS:CG	1:E:375:MET:CA[2_757]	1.21	0.99
1:B:79:PRO:CB	1:E:354:LEU:CD1[2_757]	1.21	0.99
1:B:92:MET:CB	1:E:7:VAL:CG1[2_757]	1.21	0.99
1:B:324:GLY:N	1:C:246:ILE:C[2_858]	1.21	0.99
1:B:328:SER:OG	1:C:194:PHE:CE2[2_858]	1.21	0.99
1:B:360:ILE:CD1	1:C:157:TYR:CZ[2_858]	1.21	0.99
1:B:361:LEU:CG	1:D:178:SER:CA[2_858]	1.21	0.99
1:B:362:GLU:OE1	1:D:176:LYS:CB[2_858]	1.21	0.99
1:B:365:THR:O	1:C:187:THR:N[2_858]	1.21	0.99
1:B:368:THR:CB	1:C:186:ASN:CB[2_858]	1.21	0.99
1:B:388:ARG:CB	1:C:131:ILE:CD1[2_858]	1.21	0.99
1:B:388:ARG:CG	1:C:131:ILE:CD1[2_858]	1.21	0.99
1:B:409:ILE:CB	1:C:168:GLN:CD[2_858]	1.21	0.99
1:D:6:LYS:CD	1:E:311:HIS:C[2_757]	1.21	0.99
1:D:14:LEU:CD2	1:E:126:GLU:N[2_757]	1.21	0.99
1:D:209:LEU:CD1	1:F:19:MET:CG[2_757]	1.21	0.99
1:D:212:SER:CA	1:F:325:GLU:O[2_757]	1.21	0.99
1:D:231:GLU:CG	1:F:399:ASP:N[2_757]	1.21	0.99
1:D:240:LYS:NZ	1:F:337:ALA:CB[2_757]	1.21	0.99
1:D:300:PRO:C	1:F:289:SER:N[2_757]	1.21	0.99
1:D:334:SER:CA	1:E:208:ASN:CA[2_757]	1.21	0.99
1:D:338:TRP:CZ3	1:E:129:ILE:C[2_757]	1.21	0.99
1:D:375:MET:CA	1:E:236:GLN:C[2_757]	1.21	0.99
1:D:405:LEU:CD1	1:E:107:THR:CG2[2_757]	1.21	0.99
1:F:386:ASN:CG	5:D:1405:HOH:O[2_757]	1.21	0.99
1:E:246:ILE:CB	5:D:1409:HOH:O[2_757]	1.21	0.99
1:E:43:TYR:CD2	1:F:161:ASP:CB[2_657]	1.21	0.99
1:E:51:ASP:OD1	1:E:180:VAL:N[2_657]	1.21	0.99
1:E:84:VAL:C	1:F:224:ARG:C[2_657]	1.21	0.99
1:A:18:GLU:CA	1:B:158:LYS:C[2_757]	1.22	0.98
1:A:19:MET:CE	1:B:162:PRO:CD[2_757]	1.22	0.98
1:A:56:LYS:CA	1:B:182:MET:CB[2_757]	1.22	0.98
1:A:74:CYS:O	1:B:156:VAL:CB[2_757]	1.22	0.98
1:A:97:ASN:O	1:B:171:LYS:C[2_757]	1.22	0.98
1:A:122:VAL:C	1:C:12:VAL:CA[2_858]	1.22	0.98
1:A:366:LEU:CD1	1:F:56:LYS:CB[2_657]	1.22	0.98
1:A:367:ASN:OD1	1:F:55:ASP:CA[2_657]	1.22	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:372:ASP:OD2	1:F:96:PRO:N[2_657]	1.22	0.98
1:A:387:GLU:CD	1:F:338:TRP:CE3[2_657]	1.22	0.98
1:A:391:TYR:CZ	1:F:70:VAL:CB[2_657]	1.22	0.98
1:A:395:GLU:C	1:F:104:LEU:O[2_657]	1.22	0.98
1:A:406:GLN:CD	1:F:141:LYS:C[2_657]	1.22	0.98
1:B:47:VAL:CG1	1:E:355:CYS:CA[2_757]	1.22	0.98
1:B:60:ASP:O	1:E:332:ILE:CG1[2_757]	1.22	0.98
1:B:64:ALA:N	1:E:397:PHE:CZ[2_757]	1.22	0.98
1:B:66:LYS:CD	1:E:397:PHE:N[2_757]	1.22	0.98
1:B:83:ARG:CG	1:E:351:THR:O[2_757]	1.22	0.98
1:B:115:ILE:C	1:C:102:ASN:OD1[2_858]	1.22	0.98
1:B:119:PRO:CB	1:C:100:ILE:CG2[2_858]	1.22	0.98
1:B:125:TRP:C	1:C:63:GLU:OE1[2_858]	1.22	0.98
1:B:285:GLN:CA	1:C:304:THR:OG1[2_858]	1.22	0.98
1:B:308:GLU:OE2	1:E:407:LYS:C[2_757]	1.22	0.98
1:B:310:ALA:C	1:E:410:LYS:O[2_757]	1.22	0.98
1:B:321:TYR:N	1:C:241:PHE:CE1[2_858]	1.22	0.98
1:B:322:GLN:CA	1:C:241:PHE:CB[2_858]	1.22	0.98
1:B:323:LYS:NZ	1:C:206:LYS:CB[2_858]	1.22	0.98
1:B:327:THR:C	1:C:198:SER:CB[2_858]	1.22	0.98
1:B:388:ARG:CA	1:C:131:ILE:CB[2_858]	1.22	0.98
1:B:389:SER:CB	1:C:279:GLN:N[2_858]	1.22	0.98
1:B:391:TYR:CB	1:C:133:ARG:C[2_858]	1.22	0.98
1:B:391:TYR:C	1:C:271:LEU:O[2_858]	1.22	0.98
1:C:85:LYS:O	1:C:85:LYS:CG[2_958]	1.22	0.98
1:D:42:TYR:N	1:E:114:VAL:CG1[2_757]	1.22	0.98
1:D:65:ILE:CG1	1:E:125:TRP:CA[2_757]	1.22	0.98
1:D:134:HIS:CD2	1:F:377:LYS:CG[2_757]	1.22	0.98
1:D:191:ILE:CB	1:F:375:MET:O[2_757]	1.22	0.98
1:D:212:SER:N	1:F:325:GLU:O[2_757]	1.22	0.98
1:D:228:ILE:CG2	1:F:397:PHE:CB[2_757]	1.22	0.98
1:D:301:ASP:N	1:F:288:GLY:CA[2_757]	1.22	0.98
1:D:303:LYS:CG	1:F:287:PHE:N[2_757]	1.22	0.98
1:D:329:THR:C	1:E:240:LYS:O[2_757]	1.22	0.98
1:D:330:ASN:CA	1:E:241:PHE:CB[2_757]	1.22	0.98
1:D:354:LEU:CD1	1:E:280:SER:N[2_757]	1.22	0.98
1:D:364:ALA:CB	1:E:195:ALA:N[2_757]	1.22	0.98
1:D:370:GLN:CG	1:E:231:GLU:CG[2_757]	1.22	0.98
1:D:406:GLN:CD	1:E:299:THR:C[2_757]	1.22	0.98
1:E:56:LYS:CB	1:F:159:PRO:N[2_657]	1.22	0.98
1:E:92:MET:CA	1:E:146:LEU:CG[2_657]	1.22	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:99:THR:O	1:F:166:GLN:NE2[2_657]	1.22	0.98
1:E:100:ILE:CG1	1:F:163:THR:O[2_657]	1.22	0.98
1:A:15:ASP:O	1:A:154:GLU:CA[2_757]	1.23	0.97
1:A:44:ASP:CB	1:A:171:LYS:C[2_757]	1.23	0.97
1:A:53:THR:CA	1:B:142:ALA:CA[2_757]	1.23	0.97
1:A:55:ASP:OD1	1:A:183:ALA:CA[2_757]	1.23	0.97
1:A:56:LYS:CD	1:A:218:LEU:CD2[2_757]	1.23	0.97
1:A:86:GLU:O	1:A:178:SER:O[2_757]	1.23	0.97
1:A:86:GLU:N	1:B:188:ASP:OD2[2_757]	1.23	0.97
1:A:128:PRO:N	1:C:7:VAL:CG2[2_858]	1.23	0.97
1:A:144:ASP:OD1	1:B:219:LYS:CE[2_757]	1.23	0.97
1:A:162:PRO:CA	1:A:345:ARG:CZ[2_757]	1.23	0.97
1:A:262:LYS:CE	1:C:305:PHE:CE1[2_858]	1.23	0.97
1:A:316:ARG:N	1:B:165:ALA:C[2_757]	1.23	0.97
1:A:319:ARG:N	1:B:161:ASP:O[2_757]	1.23	0.97
1:A:367:ASN:CB	1:F:55:ASP:OD1[2_657]	1.23	0.97
1:A:371:GLN:CA	1:F:50:ARG:NE[2_657]	1.23	0.97
1:A:386:ASN:ND2	1:F:38:VAL:CB[2_657]	1.23	0.97
1:B:168:GLN:CG	3:A:1101:NDP:O4D[2_757]	1.23	0.97
1:B:169:THR:N	3:A:1101:NDP:C3N[2_757]	1.23	0.97
1:B:12:VAL:CG2	1:E:369:VAL:N[2_757]	1.23	0.97
1:B:40:LEU:O	1:E:116:PRO:CB[2_757]	1.23	0.97
1:B:68:TYR:CA	1:E:374:ILE:N[2_757]	1.23	0.97
1:B:70:VAL:N	1:E:372:ASP:CA[2_757]	1.23	0.97
1:B:96:PRO:CB	1:E:361:LEU:CB[2_757]	1.23	0.97
1:B:102:ASN:CG	1:E:30:LYS:CB[2_757]	1.23	0.97
1:B:117:ARG:CD	1:C:140:TYR:C[2_858]	1.23	0.97
1:B:123:PRO:C	1:C:60:ASP:C[2_858]	1.23	0.97
1:B:123:PRO:N	1:C:61:ALA:O[2_858]	1.23	0.97
1:B:297:LEU:N	1:E:407:LYS:CE[2_757]	1.23	0.97
1:B:362:GLU:OE2	1:D:176:LYS:O[2_858]	1.23	0.97
1:B:368:THR:N	1:C:185:TYR:O[2_858]	1.23	0.97
1:B:376:THR:N	1:C:134:HIS:CG[2_858]	1.23	0.97
1:B:377:LYS:C	1:C:107:THR:C[2_858]	1.23	0.97
1:B:411:SER:CB	1:C:168:GLN:O[2_858]	1.23	0.97
1:D:6:LYS:C	1:E:281:ASP:OD2[2_757]	1.23	0.97
1:D:68:TYR:C	1:E:122:VAL:CG2[2_757]	1.23	0.97
1:D:72:ILE:C	1:E:265:GLY:CA[2_757]	1.23	0.97
1:D:109:PHE:CD2	3:F:1601:NDP:O3B[2_757]	1.23	0.97
1:D:135:ALA:CB	1:F:381:LEU:CD1[2_757]	1.23	0.97
1:D:195:ALA:O	1:F:329:THR:C[2_757]	1.23	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:204:ASP:CB	1:F:312:GLY:N[2_757]	1.23	0.97
1:D:225:PHE:C	1:F:393:THR:OG1[2_757]	1.23	0.97
1:D:229:PHE:CZ	1:F:328:SER:C[2_757]	1.23	0.97
1:D:237:TYR:CE1	1:F:331:SER:C[2_757]	1.23	0.97
1:D:256:MET:CB	1:F:323:LYS:O[2_757]	1.23	0.97
1:D:256:MET:C	1:F:323:LYS:CB[2_757]	1.23	0.97
1:D:307:SER:N	1:E:263:SER:CB[2_757]	1.23	0.97
1:D:362:GLU:CB	1:E:211:LEU:CB[2_757]	1.23	0.97
1:D:404:ARG:CZ	1:E:192:GLU:CA[2_757]	1.23	0.97
1:A:10:PRO:O	1:A:166:GLN:CA[2_757]	1.24	0.96
1:A:18:GLU:CG	1:B:157:TYR:CZ[2_757]	1.24	0.96
1:A:36:LEU:N	1:E:171:LYS:CE[2_657]	1.24	0.96
1:A:48:GLU:OE2	1:A:175:TYR:N[2_757]	1.24	0.96
1:A:56:LYS:CG	1:B:182:MET:CE[2_757]	1.24	0.96
1:A:73:LYS:CD	1:B:154:GLU:CB[2_757]	1.24	0.96
1:A:78:THR:C	1:A:145:THR:CG2[2_757]	1.24	0.96
1:A:92:MET:CE	1:B:220:LYS:N[2_757]	1.24	0.96
1:A:94:LYS:CB	1:A:143:THR:N[2_757]	1.24	0.96
1:A:120:ARG:O	1:C:41:LYS:O[2_858]	1.24	0.96
1:A:120:ARG:CB	1:C:41:LYS:N[2_858]	1.24	0.96
1:A:125:TRP:CE3	1:C:10:PRO:C[2_858]	1.24	0.96
1:A:207:LEU:CB	1:C:352:PRO:C[2_858]	1.24	0.96
1:A:382:ALA:N	1:F:41:LYS:CA[2_657]	1.24	0.96
1:A:395:GLU:C	1:F:104:LEU:CA[2_657]	1.24	0.96
1:A:399:ASP:CB	1:F:101:ARG:O[2_657]	1.24	0.96
1:F:67:LYS:CG	3:A:1101:NDP:C2A[2_657]	1.24	0.96
1:B:45:LEU:CD2	1:E:362:GLU:CA[2_757]	1.24	0.96
1:B:75:ALA:CB	5:C:1331:HOH:O[2_858]	1.24	0.96
1:B:79:PRO:CA	1:E:354:LEU:CG[2_757]	1.24	0.96
1:B:79:PRO:CB	1:E:354:LEU:CG[2_757]	1.24	0.96
1:B:121:LEU:CA	1:C:65:ILE:CG2[2_858]	1.24	0.96
1:B:125:TRP:O	1:C:63:GLU:CD[2_858]	1.24	0.96
1:B:261:ILE:C	1:C:67:LYS:CE[2_858]	1.24	0.96
1:B:261:ILE:N	1:C:67:LYS:CE[2_858]	1.24	0.96
1:B:306:GLU:CB	1:E:404:ARG:CA[2_757]	1.24	0.96
1:B:317:HIS:CE1	1:C:197:SER:CA[2_858]	1.24	0.96
1:B:353:ALA:CA	1:C:163:THR:N[2_858]	1.24	0.96
1:B:370:GLN:NE2	1:C:141:LYS:CE[2_858]	1.24	0.96
1:B:375:MET:C	1:C:134:HIS:CG[2_858]	1.24	0.96
1:B:382:ALA:CB	1:C:297:LEU:CD2[2_858]	1.24	0.96
1:B:391:TYR:CE1	1:C:132:GLY:CA[2_858]	1.24	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:396:GLU:O	1:C:225:PHE:CB[2_858]	1.24	0.96
1:B:407:LYS:CE	1:D:144:ASP:CA[2_858]	1.24	0.96
1:B:409:ILE:CB	1:C:168:GLN:NE2[2_858]	1.24	0.96
1:D:11:VAL:CG2	1:E:283:VAL:CG1[2_757]	1.24	0.96
1:D:72:ILE:C	1:E:266:GLY:N[2_757]	1.24	0.96
1:D:200:LYS:CB	1:F:311:HIS:CD2[2_757]	1.24	0.96
1:D:230:GLN:CB	5:F:1613:HOH:O[2_757]	1.24	0.96
1:D:243:GLN:O	1:F:15:ASP:O[2_757]	1.24	0.96
1:D:296:ILE:O	1:E:259:GLN:OE1[2_757]	1.24	0.96
1:D:332:ILE:CD1	1:E:233:TYR:CD1[2_757]	1.24	0.96
1:D:334:SER:CB	1:E:208:ASN:N[2_757]	1.24	0.96
1:D:334:SER:O	1:E:208:ASN:O[2_757]	1.24	0.96
1:D:355:CYS:CA	1:E:275:ASP:CA[2_757]	1.24	0.96
1:D:366:LEU:CD2	1:E:248:TYR:CZ[2_757]	1.24	0.96
1:D:366:LEU:CD2	1:E:248:TYR:CE2[2_757]	1.24	0.96
1:D:370:GLN:CA	1:E:231:GLU:CB[2_757]	1.24	0.96
1:A:34:PRO:N	1:E:174:ASP:CA[2_657]	1.25	0.95
1:A:75:ALA:O	1:B:157:TYR:N[2_757]	1.25	0.95
1:A:86:GLU:C	1:A:178:SER:C[2_757]	1.25	0.95
1:A:93:TRP:CH2	1:B:184:MET:SD[2_757]	1.25	0.95
1:A:102:ASN:C	1:B:173:TYR:CE1[2_757]	1.25	0.95
1:A:217:ILE:CD1	1:E:35:TYR:C[2_757]	1.25	0.95
1:A:219:LYS:CG	1:E:37:ASP:O[2_757]	1.25	0.95
1:A:262:LYS:CG	1:C:305:PHE:CG[2_858]	1.25	0.95
1:A:266:GLY:O	1:C:355:CYS:N[2_858]	1.25	0.95
1:A:365:THR:O	1:F:59:GLN:CA[2_657]	1.25	0.95
1:A:366:LEU:CD1	1:F:56:LYS:CG[2_657]	1.25	0.95
1:A:395:GLU:O	1:F:105:GLY:N[2_657]	1.25	0.95
1:A:400:ALA:CB	1:F:100:ILE:CA[2_657]	1.25	0.95
1:B:50:ARG:NH1	1:E:358:ALA:CB[2_757]	1.25	0.95
1:B:57:ILE:CA	1:E:336:PHE:CB[2_757]	1.25	0.95
1:B:69:GLY:N	1:E:374:ILE:N[2_757]	1.25	0.95
1:B:76:THR:CA	1:E:356:LYS:O[2_757]	1.25	0.95
1:B:77:ILE:CA	1:E:356:LYS:N[2_757]	1.25	0.95
1:B:89:LEU:CB	1:E:345:ARG:N[2_757]	1.25	0.95
1:B:94:LYS:CG	1:E:32:ILE:CG2[2_757]	1.25	0.95
1:B:99:THR:CA	1:E:31:LEU:CA[2_757]	1.25	0.95
1:B:116:PRO:N	1:C:102:ASN:OD1[2_858]	1.25	0.95
1:B:117:ARG:CG	5:C:1307:HOH:O[2_858]	1.25	0.95
1:B:123:PRO:CG	1:C:61:ALA:O[2_858]	1.25	0.95
1:B:140:TYR:O	1:E:34:PRO:N[2_757]	1.25	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:298:VAL:CA	1:E:403:LYS:NZ[2_757]	1.25	0.95
1:B:317:HIS:CB	1:C:200:LYS:N[2_858]	1.25	0.95
1:B:323:LYS:C	1:C:246:ILE:CB[2_858]	1.25	0.95
1:B:325:GLU:C	1:C:209:LEU:CB[2_858]	1.25	0.95
1:B:330:ASN:N	1:C:194:PHE:N[2_858]	1.25	0.95
1:B:367:ASN:CB	1:C:185:TYR:CD2[2_858]	1.25	0.95
1:B:367:ASN:CA	1:C:185:TYR:CD1[2_858]	1.25	0.95
1:B:409:ILE:C	1:C:168:GLN:CG[2_858]	1.25	0.95
1:C:197:SER:OG	3:B:1201:NDP:C2A[2_858]	1.25	0.95
1:D:38:VAL:CA	1:E:293:MET:SD[2_757]	1.25	0.95
1:D:196:HIS:N	1:F:330:ASN:CB[2_757]	1.25	0.95
1:D:197:SER:O	3:F:1601:NDP:C6A[2_757]	1.25	0.95
1:D:200:LYS:CE	1:F:291:GLY:C[2_757]	1.25	0.95
1:D:206:LYS:CB	1:F:77:ILE:N[2_757]	1.25	0.95
1:D:231:GLU:OE1	1:F:400:ALA:CA[2_757]	1.25	0.95
1:D:237:TYR:CD2	1:F:334:SER:CB[2_757]	1.25	0.95
1:D:237:TYR:CG	1:F:334:SER:OG[2_757]	1.25	0.95
1:D:238:LYS:CB	1:F:24:TRP:C[2_757]	1.25	0.95
1:D:296:ILE:CG1	1:E:259:GLN:CA[2_757]	1.25	0.95
1:D:300:PRO:N	1:F:288:GLY:O[2_757]	1.25	0.95
1:D:339:SER:O	1:E:269:MET:CE[2_757]	1.25	0.95
1:D:408:GLU:CD	1:E:191:ILE:C[2_757]	1.25	0.95
1:A:10:PRO:N	1:A:166:GLN:CD[2_757]	1.26	0.94
1:A:12:VAL:C	1:A:167:PRO:C[2_757]	1.26	0.94
1:A:17:ASP:O	1:B:158:LYS:CA[2_757]	1.26	0.94
1:A:34:PRO:CG	1:E:173:TYR:CD1[2_657]	1.26	0.94
1:A:43:TYR:CA	1:A:170:LEU:CB[2_757]	1.26	0.94
1:A:61:ALA:O	1:B:147:ILE:CD1[2_757]	1.26	0.94
1:A:64:ALA:O	1:B:148:PRO:CG[2_757]	1.26	0.94
1:A:87:PHE:CE2	1:A:175:TYR:CB[2_757]	1.26	0.94
1:A:97:ASN:ND2	1:B:170:LEU:CA[2_757]	1.26	0.94
1:A:149:GLY:N	1:A:319:ARG:NH2[2_757]	1.26	0.94
1:A:313:THR:N	1:B:167:PRO:CA[2_757]	1.26	0.94
1:A:318:TYR:CD1	1:B:159:PRO:C[2_757]	1.26	0.94
1:A:366:LEU:O	1:F:58:THR:N[2_657]	1.26	0.94
1:A:368:THR:C	1:F:58:THR:CG2[2_657]	1.26	0.94
1:A:371:GLN:CB	1:F:50:ARG:CD[2_657]	1.26	0.94
1:A:385:ASN:ND2	1:F:13:GLU:OE1[2_657]	1.26	0.94
1:A:391:TYR:CZ	1:F:70:VAL:CA[2_657]	1.26	0.94
1:A:402:GLU:CG	1:F:102:ASN:ND2[2_657]	1.26	0.94
1:B:11:VAL:O	1:E:370:GLN:CG[2_757]	1.26	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:22:ILE:CG1	1:C:232:VAL:O[2_858]	1.26	0.94
1:B:55:ASP:CA	1:E:339:SER:N[2_757]	1.26	0.94
1:B:71:GLY:O	1:E:404:ARG:NH2[2_757]	1.26	0.94
1:B:93:TRP:CB	1:E:342:LEU:CG[2_757]	1.26	0.94
1:B:99:THR:N	1:E:31:LEU:O[2_757]	1.26	0.94
1:B:308:GLU:CD	1:E:408:GLU:N[2_757]	1.26	0.94
1:B:325:GLU:O	1:C:209:LEU:CB[2_858]	1.26	0.94
1:B:354:LEU:CA	1:C:164:THR:OG1[2_858]	1.26	0.94
1:B:369:VAL:CG2	1:C:136:HIS:ND1[2_858]	1.26	0.94
1:B:379:LEU:CD2	1:C:106:GLY:N[2_858]	1.26	0.94
1:B:385:ASN:CB	1:C:110:ARG:NH2[2_858]	1.26	0.94
1:B:388:ARG:NH1	1:C:271:LEU:CG[2_858]	1.26	0.94
1:B:396:GLU:C	1:C:225:PHE:CB[2_858]	1.26	0.94
1:B:407:LYS:CA	1:D:145:THR:CG2[2_858]	1.26	0.94
1:C:316:ARG:N	1:C:323:LYS:N[2_958]	1.26	0.94
1:D:4:LYS:C	1:E:110:ARG:NH2[2_757]	1.26	0.94
1:D:31:LEU:C	1:E:109:PHE:CG[2_757]	1.26	0.94
1:D:36:LEU:CA	1:E:110:ARG:CD[2_757]	1.26	0.94
1:D:109:PHE:CG	3:F:1601:NDP:C3B[2_757]	1.26	0.94
1:D:134:HIS:CE1	1:F:391:TYR:CD2[2_757]	1.26	0.94
1:D:191:ILE:C	1:F:376:THR:CA[2_757]	1.26	0.94
1:D:198:SER:O	1:F:314:VAL:CG2[2_757]	1.26	0.94
1:D:202:ALA:N	1:F:314:VAL:N[2_757]	1.26	0.94
1:D:237:TYR:CG	1:F:334:SER:CB[2_757]	1.26	0.94
1:D:294:THR:N	1:E:249:GLU:OE1[2_757]	1.26	0.94
1:D:336:PHE:CD2	1:E:249:GLU:O[2_757]	1.26	0.94
1:D:345:ARG:CG	1:E:283:VAL:N[2_757]	1.26	0.94
1:D:345:ARG:O	1:E:282:ILE:CD1[2_757]	1.26	0.94
1:D:356:LYS:CB	1:E:274:TYR:N[2_757]	1.26	0.94
1:D:404:ARG:NH1	1:E:192:GLU:N[2_757]	1.26	0.94
1:E:242:GLU:O	3:D:1401:NDP:N3A[2_757]	1.26	0.94
1:E:82:ALA:N	1:F:227:ASP:CB[2_657]	1.26	0.94
1:A:10:PRO:CB	1:A:166:GLN:CD[2_757]	1.27	0.93
1:A:59:GLN:C	1:B:181:ALA:CB[2_757]	1.27	0.93
1:A:95:SER:CB	1:A:143:THR:CG2[2_757]	1.27	0.93
1:A:210:PHE:O	1:C:350:ASN:ND2[2_858]	1.27	0.93
1:A:218:LEU:O	1:E:37:ASP:CG[2_757]	1.27	0.93
1:A:304:THR:CG2	1:B:150:PRO:C[2_757]	1.27	0.93
1:A:320:LYS:CD	1:B:163:THR:OG1[2_757]	1.27	0.93
1:A:372:ASP:CB	1:F:96:PRO:CB[2_657]	1.27	0.93
1:A:386:ASN:ND2	1:F:38:VAL:CA[2_657]	1.27	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:393:THR:CG2	1:F:304:THR:C[2_657]	1.27	0.93
1:B:10:PRO:CA	1:E:117:ARG:NE[2_757]	1.27	0.93
1:B:22:ILE:C	1:C:232:VAL:N[2_858]	1.27	0.93
1:B:26:LYS:CA	1:C:231:GLU:CG[2_858]	1.27	0.93
1:B:26:LYS:CD	1:C:227:ASP:O[2_858]	1.27	0.93
1:B:61:ALA:C	1:E:365:THR:CG2[2_757]	1.27	0.93
1:B:87:PHE:O	1:E:347:GLU:CB[2_757]	1.27	0.93
1:B:94:LYS:CA	1:E:36:LEU:CD1[2_757]	1.27	0.93
1:B:120:ARG:CG	1:C:103:ILE:CG2[2_858]	1.27	0.93
1:B:298:VAL:N	1:E:403:LYS:CE[2_757]	1.27	0.93
1:B:314:VAL:C	1:C:200:LYS:NZ[2_858]	1.27	0.93
1:B:326:GLU:CA	1:C:209:LEU:CD2[2_858]	1.27	0.93
1:B:364:ALA:N	1:D:175:TYR:CD2[2_858]	1.27	0.93
1:B:386:ASN:C	1:C:110:ARG:CD[2_858]	1.27	0.93
1:B:405:LEU:N	1:D:145:THR:O[2_858]	1.27	0.93
1:D:11:VAL:O	1:E:287:PHE:CD2[2_757]	1.27	0.93
1:D:185:TYR:CG	1:F:387:GLU:OE1[2_757]	1.27	0.93
1:D:205:LYS:CE	3:F:1601:NDP:PN[2_757]	1.27	0.93
1:D:229:PHE:CG	1:F:394:THR:N[2_757]	1.27	0.93
1:D:329:THR:CB	1:E:244:LEU:CB[2_757]	1.27	0.93
1:E:47:VAL:C	1:E:178:SER:OG[2_657]	1.27	0.93
1:E:82:ALA:N	1:F:227:ASP:OD1[2_657]	1.27	0.93
1:E:85:LYS:CG	1:F:225:PHE:C[2_657]	1.27	0.93
1:E:90:HIS:N	1:E:180:VAL:CA[2_657]	1.27	0.93
1:A:2:PHE:O	1:E:155:LEU:C[2_657]	1.28	0.92
1:A:17:ASP:C	1:B:158:LYS:N[2_757]	1.28	0.92
1:A:51:ASP:N	1:B:185:TYR:N[2_757]	1.28	0.92
1:A:57:ILE:CA	1:B:143:THR:O[2_757]	1.28	0.92
1:A:77:ILE:CG2	1:A:147:ILE:CD1[2_757]	1.28	0.92
1:A:207:LEU:CD1	1:C:353:ALA:CB[2_858]	1.28	0.92
1:A:219:LYS:N	1:E:37:ASP:CB[2_757]	1.28	0.92
1:A:283:VAL:N	1:C:9:GLN:CD[2_858]	1.28	0.92
1:A:283:VAL:CG1	1:C:9:GLN:N[2_858]	1.28	0.92
1:A:313:THR:N	1:B:168:GLN:N[2_757]	1.28	0.92
1:A:365:THR:CA	1:F:59:GLN:NE2[2_657]	1.28	0.92
1:A:375:MET:O	1:F:65:ILE:CD1[2_657]	1.28	0.92
1:A:385:ASN:N	1:F:40:LEU:CB[2_657]	1.28	0.92
1:A:395:GLU:CA	1:F:104:LEU:O[2_657]	1.28	0.92
1:B:59:GLN:N	1:E:335:ILE:CG2[2_757]	1.28	0.92
1:B:72:ILE:O	1:E:367:ASN:ND2[2_757]	1.28	0.92
1:B:85:LYS:N	1:E:349:ASP:CA[2_757]	1.28	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:95:SER:CA	1:E:357:PHE:CE2[2_757]	1.28	0.92
1:B:102:ASN:CB	1:E:30:LYS:CB[2_757]	1.28	0.92
1:B:297:LEU:CG	1:E:403:LYS:C[2_757]	1.28	0.92
1:B:308:GLU:OE1	1:E:409:ILE:N[2_757]	1.28	0.92
1:B:314:VAL:CA	1:C:200:LYS:CE[2_858]	1.28	0.92
1:B:317:HIS:ND1	1:C:197:SER:CA[2_858]	1.28	0.92
1:B:353:ALA:O	1:C:165:ALA:N[2_858]	1.28	0.92
1:B:355:CYS:CB	1:C:161:ASP:CB[2_858]	1.28	0.92
1:B:357:PHE:CE1	1:D:148:PRO:CA[2_858]	1.28	0.92
1:B:359:ASN:ND2	1:C:160:SER:OG[2_858]	1.28	0.92
1:B:359:ASN:CB	1:D:151:GLY:N[2_858]	1.28	0.92
1:B:374:ILE:CG1	1:C:138:ASP:OD2[2_858]	1.28	0.92
1:B:394:THR:N	1:C:229:PHE:CE1[2_858]	1.28	0.92
1:C:320:LYS:CD	1:C:327:THR:OG1[2_958]	1.28	0.92
1:C:388:ARG:CD	1:C:391:TYR:O[2_958]	1.28	0.92
1:D:6:LYS:O	1:E:281:ASP:OD2[2_757]	1.28	0.92
1:D:40:LEU:CD2	1:E:112:PRO:CG[2_757]	1.28	0.92
1:D:71:GLY:N	1:E:125:TRP:CD1[2_757]	1.28	0.92
1:D:136:HIS:NE2	1:F:385:ASN:CA[2_757]	1.28	0.92
1:D:136:HIS:CG	1:F:385:ASN:O[2_757]	1.28	0.92
1:D:203:ILE:CA	1:F:75:ALA:CB[2_757]	1.28	0.92
1:D:205:LYS:CD	3:F:1601:NDP:O5D[2_757]	1.28	0.92
1:D:211:LEU:CD2	1:F:327:THR:CA[2_757]	1.28	0.92
1:D:212:SER:OG	1:F:325:GLU:CA[2_757]	1.28	0.92
1:D:268:ILE:CG1	1:F:315:THR:N[2_757]	1.28	0.92
1:D:296:ILE:CB	1:E:259:GLN:CB[2_757]	1.28	0.92
1:D:339:SER:CA	1:E:269:MET:CA[2_757]	1.28	0.92
1:D:355:CYS:CA	1:E:275:ASP:CB[2_757]	1.28	0.92
1:D:358:ALA:CA	1:E:271:LEU:CG[2_757]	1.28	0.92
1:D:371:GLN:OE1	1:E:231:GLU:OE1[2_757]	1.28	0.92
1:D:375:MET:SD	1:E:234:GLU:O[2_757]	1.28	0.92
1:D:411:SER:N	1:E:136:HIS:CB[2_757]	1.28	0.92
1:E:55:ASP:OD1	1:E:148:PRO:CB[2_657]	1.28	0.92
1:F:227:ASP:O	5:E:1524:HOH:O[2_657]	1.28	0.92
1:A:13:GLU:C	1:A:169:THR:N[2_757]	1.29	0.91
1:A:53:THR:C	1:B:142:ALA:CB[2_757]	1.29	0.91
1:A:55:ASP:OD2	1:A:184:MET:N[2_757]	1.29	0.91
1:A:63:GLU:O	1:B:147:ILE:O[2_757]	1.29	0.91
1:A:80:ASP:N	1:A:146:LEU:CD1[2_757]	1.29	0.91
1:A:83:ARG:NH1	1:A:148:PRO:CD[2_757]	1.29	0.91
1:A:91:LYS:N	1:B:221:TYR:CE2[2_757]	1.29	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:101:ARG:N	1:B:173:TYR:CA[2_757]	1.29	0.91
1:A:260:MET:CA	1:C:348:LEU:CB[2_858]	1.29	0.91
1:A:264:LYS:CG	1:C:341:GLY:N[2_858]	1.29	0.91
1:A:304:THR:OG1	1:B:150:PRO:CB[2_757]	1.29	0.91
1:A:320:LYS:CB	1:B:161:ASP:OD1[2_757]	1.29	0.91
1:A:367:ASN:CB	1:F:55:ASP:OD2[2_657]	1.29	0.91
1:A:396:GLU:OE1	1:F:297:LEU:C[2_657]	1.29	0.91
1:B:12:VAL:N	1:E:371:GLN:N[2_757]	1.29	0.91
1:B:30:LYS:CD	1:C:227:ASP:CB[2_858]	1.29	0.91
1:B:49:SER:C	1:E:340:ARG:CD[2_757]	1.29	0.91
1:B:50:ARG:NE	1:E:358:ALA:C[2_757]	1.29	0.91
1:B:83:ARG:N	1:E:351:THR:N[2_757]	1.29	0.91
1:B:83:ARG:CB	1:E:351:THR:CA[2_757]	1.29	0.91
1:B:102:ASN:CB	1:E:30:LYS:C[2_757]	1.29	0.91
1:B:110:ARG:NE	1:E:410:LYS:CD[2_757]	1.29	0.91
1:B:118:ILE:N	1:C:102:ASN:CB[2_858]	1.29	0.91
1:B:122:VAL:O	1:C:63:GLU:CA[2_858]	1.29	0.91
1:B:317:HIS:N	1:C:200:LYS:CB[2_858]	1.29	0.91
1:B:323:LYS:O	1:C:246:ILE:CB[2_858]	1.29	0.91
1:B:331:SER:CA	1:C:192:GLU:CA[2_858]	1.29	0.91
1:B:361:LEU:CD2	1:D:178:SER:CA[2_858]	1.29	0.91
1:B:367:ASN:CA	1:C:185:TYR:CD2[2_858]	1.29	0.91
1:B:374:ILE:CA	1:C:138:ASP:OD2[2_858]	1.29	0.91
1:B:403:LYS:CB	1:C:221:TYR:CA[2_858]	1.29	0.91
1:D:9:GLN:C	1:E:285:GLN:CA[2_757]	1.29	0.91
1:D:10:PRO:N	1:E:285:GLN:C[2_757]	1.29	0.91
1:D:65:ILE:CG1	1:E:124:ARG:C[2_757]	1.29	0.91
1:D:194:PHE:N	1:F:378:ASP:OD1[2_757]	1.29	0.91
1:D:196:HIS:CE1	1:F:332:ILE:N[2_757]	1.29	0.91
1:D:200:LYS:CA	1:F:311:HIS:ND1[2_757]	1.29	0.91
1:D:208:ASN:N	1:F:18:GLU:CG[2_757]	1.29	0.91
1:D:209:LEU:CB	1:F:19:MET:CB[2_757]	1.29	0.91
1:D:226:LYS:CA	1:F:393:THR:OG1[2_757]	1.29	0.91
1:D:235:ALA:CA	1:F:31:LEU:CD1[2_757]	1.29	0.91
1:D:241:PHE:CD1	1:F:20:THR:C[2_757]	1.29	0.91
1:D:244:LEU:CD1	1:F:75:ALA:C[2_757]	1.29	0.91
1:D:267:PHE:N	1:F:319:ARG:NE[2_757]	1.29	0.91
1:D:342:LEU:CG	1:E:131:ILE:CG1[2_757]	1.29	0.91
1:D:350:ASN:N	1:F:257:VAL:CG1[2_757]	1.29	0.91
1:D:369:VAL:CB	1:E:233:TYR:CA[2_757]	1.29	0.91
1:D:370:GLN:CA	1:E:231:GLU:C[2_757]	1.29	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:370:GLN:C	1:E:231:GLU:CB[2_757]	1.29	0.91
1:E:59:GLN:C	1:F:162:PRO:CA[2_657]	1.29	0.91
1:E:84:VAL:CG1	1:F:224:ARG:CB[2_657]	1.29	0.91
1:A:2:PHE:C	1:E:155:LEU:CA[2_657]	1.30	0.90
1:A:18:GLU:CD	1:B:157:TYR:CE2[2_757]	1.30	0.90
1:A:18:GLU:CB	1:B:159:PRO:N[2_757]	1.30	0.90
1:A:44:ASP:CA	1:A:171:LYS:N[2_757]	1.30	0.90
1:A:53:THR:CB	1:B:142:ALA:CB[2_757]	1.30	0.90
1:A:54:SER:OG	1:B:139:GLN:CB[2_757]	1.30	0.90
1:A:65:ILE:O	1:A:157:TYR:OH[2_757]	1.30	0.90
1:A:79:PRO:CG	1:A:181:ALA:O[2_757]	1.30	0.90
1:A:83:ARG:CD	1:A:147:ILE:N[2_757]	1.30	0.90
1:A:88:ASN:ND2	1:B:190:SER:CA[2_757]	1.30	0.90
1:A:93:TRP:C	1:A:144:ASP:CB[2_757]	1.30	0.90
1:A:94:LYS:CA	1:A:143:THR:C[2_757]	1.30	0.90
1:A:95:SER:O	1:A:143:THR:CB[2_757]	1.30	0.90
1:A:101:ARG:N	1:B:173:TYR:N[2_757]	1.30	0.90
1:A:111:GLU:OE1	1:C:6:LYS:CB[2_858]	1.30	0.90
1:A:129:ILE:CG2	5:C:1309:HOH:O[2_858]	1.30	0.90
1:A:129:ILE:CA	5:C:1309:HOH:O[2_858]	1.30	0.90
1:A:141:LYS:CG	1:A:141:LYS:NZ[2_757]	1.30	0.90
1:A:158:LYS:NZ	1:A:307:SER:O[2_757]	1.30	0.90
1:A:317:HIS:O	1:B:161:ASP:C[2_757]	1.30	0.90
1:A:328:SER:O	1:F:67:LYS:N[2_657]	1.30	0.90
1:A:391:TYR:OH	1:F:70:VAL:CG2[2_657]	1.30	0.90
1:A:395:GLU:O	1:F:104:LEU:CA[2_657]	1.30	0.90
1:A:406:GLN:CD	1:F:141:LYS:CB[2_657]	1.30	0.90
1:F:67:LYS:CE	3:A:1101:NDP:N3A[2_657]	1.30	0.90
1:B:11:VAL:C	1:E:370:GLN:CA[2_757]	1.30	0.90
1:B:19:MET:CB	1:C:237:TYR:CE1[2_858]	1.30	0.90
1:B:31:LEU:CG	1:C:224:ARG:NE[2_858]	1.30	0.90
1:B:46:SER:N	1:E:359:ASN:OD1[2_757]	1.30	0.90
1:B:79:PRO:CG	1:E:354:LEU:CG[2_757]	1.30	0.90
1:B:97:ASN:CA	1:E:405:LEU:CD2[2_757]	1.30	0.90
1:B:99:THR:C	1:E:31:LEU:CB[2_757]	1.30	0.90
1:B:117:ARG:O	1:C:98:GLY:C[2_858]	1.30	0.90
1:B:119:PRO:O	1:C:100:ILE:O[2_858]	1.30	0.90
1:B:289:SER:CB	1:C:299:THR:CA[2_858]	1.30	0.90
1:B:324:GLY:N	1:C:247:HIS:N[2_858]	1.30	0.90
1:B:332:ILE:CA	1:C:190:SER:N[2_858]	1.30	0.90
1:B:388:ARG:CA	1:C:131:ILE:CG2[2_858]	1.30	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:406:GLN:C	5:B:1216:HOH:O[2_757]	1.30	0.90
1:D:22:ILE:CB	1:E:206:LYS:NZ[2_757]	1.30	0.90
1:D:23:ILE:CG2	1:E:202:ALA:O[2_757]	1.30	0.90
1:D:32:ILE:CG2	1:E:110:ARG:O[2_757]	1.30	0.90
1:D:35:TYR:CZ	1:E:107:THR:C[2_757]	1.30	0.90
1:D:135:ALA:O	1:F:381:LEU:CD2[2_757]	1.30	0.90
1:D:207:LEU:CD2	1:F:83:ARG:NH2[2_757]	1.30	0.90
1:D:207:LEU:CA	1:F:18:GLU:OE1[2_757]	1.30	0.90
1:D:212:SER:O	1:F:326:GLU:CA[2_757]	1.30	0.90
1:D:227:ASP:CA	1:F:396:GLU:CA[2_757]	1.30	0.90
1:D:228:ILE:C	1:F:397:PHE:N[2_757]	1.30	0.90
1:D:229:PHE:CE2	1:F:329:THR:N[2_757]	1.30	0.90
1:D:241:PHE:CZ	1:F:20:THR:N[2_757]	1.30	0.90
1:D:244:LEU:CB	1:F:16:GLY:CA[2_757]	1.30	0.90
1:D:369:VAL:CG2	1:E:233:TYR:C[2_757]	1.30	0.90
1:D:376:THR:O	1:E:239:SER:OG[2_757]	1.30	0.90
1:E:246:ILE:N	3:D:1401:NDP:N6A[2_757]	1.30	0.90
1:E:47:VAL:CB	1:E:178:SER:OG[2_657]	1.30	0.90
1:A:44:ASP:N	1:A:170:LEU:CA[2_757]	1.31	0.89
1:A:46:SER:N	1:A:153:LEU:O[2_757]	1.31	0.89
1:A:47:VAL:CG1	1:A:175:TYR:OH[2_757]	1.31	0.89
1:A:59:GLN:N	1:B:182:MET:N[2_757]	1.31	0.89
1:A:65:ILE:CB	1:A:157:TYR:CD1[2_757]	1.31	0.89
1:A:93:TRP:CE3	1:A:182:MET:SD[2_757]	1.31	0.89
1:A:97:ASN:O	1:B:172:VAL:N[2_757]	1.31	0.89
1:A:126:GLU:OE1	1:C:338:TRP:CA[2_858]	1.31	0.89
1:A:313:THR:CA	1:B:167:PRO:CA[2_757]	1.31	0.89
1:A:315:THR:C	1:B:165:ALA:C[2_757]	1.31	0.89
1:A:317:HIS:C	1:B:162:PRO:CA[2_757]	1.31	0.89
1:A:319:ARG:C	1:B:161:ASP:CG[2_757]	1.31	0.89
1:A:375:MET:C	1:F:65:ILE:CG1[2_657]	1.31	0.89
1:A:383:CYS:CA	1:F:42:TYR:CA[2_657]	1.31	0.89
1:A:390:ALA:C	1:F:72:ILE:N[2_657]	1.31	0.89
1:A:393:THR:O	1:F:104:LEU:CD2[2_657]	1.31	0.89
1:A:398:LEU:O	1:F:102:ASN:C[2_657]	1.31	0.89
1:A:399:ASP:CA	1:F:102:ASN:CA[2_657]	1.31	0.89
1:A:400:ALA:CB	1:F:100:ILE:C[2_657]	1.31	0.89
1:B:169:THR:N	3:A:1101:NDP:C7N[2_757]	1.31	0.89
1:B:14:LEU:CD1	1:E:364:ALA:N[2_757]	1.31	0.89
1:B:26:LYS:O	1:C:231:GLU:OE2[2_858]	1.31	0.89
1:B:45:LEU:CG	1:E:362:GLU:CB[2_757]	1.31	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:61:ALA:CB	1:E:365:THR:CB[2_757]	1.31	0.89
1:B:89:LEU:N	1:E:344:LYS:O[2_757]	1.31	0.89
1:B:90:HIS:NE2	1:E:71:GLY:N[2_757]	1.31	0.89
1:B:99:THR:C	1:E:31:LEU:CD2[2_757]	1.31	0.89
1:B:110:ARG:CZ	1:E:410:LYS:CG[2_757]	1.31	0.89
1:B:306:GLU:CB	1:E:404:ARG:CB[2_757]	1.31	0.89
1:B:321:TYR:CD1	1:C:233:TYR:CD1[2_858]	1.31	0.89
1:B:361:LEU:CD1	1:D:178:SER:CB[2_858]	1.31	0.89
1:B:380:ALA:N	1:C:135:ALA:CB[2_858]	1.31	0.89
1:B:386:ASN:N	1:C:110:ARG:NE[2_858]	1.31	0.89
1:B:386:ASN:O	1:C:110:ARG:CG[2_858]	1.31	0.89
1:B:386:ASN:CG	1:C:295:SER:CB[2_858]	1.31	0.89
1:B:396:GLU:OE1	1:C:212:SER:CA[2_858]	1.31	0.89
1:B:404:ARG:CB	1:D:181:ALA:N[2_858]	1.31	0.89
1:E:406:GLN:N	5:B:1216:HOH:O[2_757]	1.31	0.89
1:C:388:ARG:NH2	1:C:391:TYR:CD1[2_958]	1.31	0.89
1:D:3:SER:O	1:E:101:ARG:NE[2_757]	1.31	0.89
1:D:12:VAL:C	1:E:287:PHE:CE2[2_757]	1.31	0.89
1:D:14:LEU:O	1:E:127:LYS:CB[2_757]	1.31	0.89
1:D:30:LYS:O	1:E:109:PHE:CD2[2_757]	1.31	0.89
1:D:37:ASP:CB	1:E:310:ALA:N[2_757]	1.31	0.89
1:D:38:VAL:O	1:E:293:MET:CB[2_757]	1.31	0.89
1:D:109:PHE:CE2	3:F:1601:NDP:C1B[2_757]	1.31	0.89
1:D:189:GLU:C	1:F:375:MET:CB[2_757]	1.31	0.89
1:D:205:LYS:CA	3:F:1601:NDP:C4D[2_757]	1.31	0.89
1:D:221:TYR:OH	1:F:389:SER:N[2_757]	1.31	0.89
1:D:229:PHE:CD1	1:F:394:THR:N[2_757]	1.31	0.89
1:D:248:TYR:C	1:F:22:ILE:CG1[2_757]	1.31	0.89
1:D:330:ASN:N	1:E:241:PHE:C[2_757]	1.31	0.89
1:D:338:TRP:CE3	1:E:130:ILE:CA[2_757]	1.31	0.89
1:D:339:SER:OG	1:E:210:PHE:O[2_757]	1.31	0.89
1:D:347:GLU:CG	1:F:278:VAL:CG1[2_757]	1.31	0.89
1:D:354:LEU:CD1	1:E:279:GLN:CA[2_757]	1.31	0.89
1:D:362:GLU:CD	1:E:211:LEU:CA[2_757]	1.31	0.89
1:D:408:GLU:CG	1:E:191:ILE:CA[2_757]	1.31	0.89
1:E:53:THR:O	1:F:157:TYR:CE1[2_657]	1.31	0.89
1:E:54:SER:O	1:F:157:TYR:CD2[2_657]	1.31	0.89
1:A:10:PRO:O	1:A:166:GLN:CB[2_757]	1.32	0.88
1:A:13:GLU:C	1:A:168:GLN:C[2_757]	1.32	0.88
1:A:33:LEU:O	1:E:174:ASP:CA[2_657]	1.32	0.88
1:A:35:TYR:C	1:E:171:LYS:CE[2_657]	1.32	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:45:LEU:CB	1:A:155:LEU:N[2_757]	1.32	0.88
1:A:56:LYS:NZ	1:A:218:LEU:CD2[2_757]	1.32	0.88
1:A:56:LYS:N	1:B:182:MET:SD[2_757]	1.32	0.88
1:A:68:TYR:CA	1:A:165:ALA:CA[2_757]	1.32	0.88
1:A:87:PHE:O	1:B:187:THR:N[2_757]	1.32	0.88
1:A:91:LYS:O	1:B:221:TYR:CG[2_757]	1.32	0.88
1:A:92:MET:SD	1:B:220:LYS:C[2_757]	1.32	0.88
1:A:104:LEU:CA	1:B:175:TYR:N[2_757]	1.32	0.88
1:A:120:ARG:C	1:C:41:LYS:CA[2_858]	1.32	0.88
1:A:125:TRP:N	1:C:11:VAL:CG1[2_858]	1.32	0.88
1:A:207:LEU:CD2	1:C:354:LEU:N[2_858]	1.32	0.88
1:A:261:ILE:C	1:C:69:GLY:C[2_858]	1.32	0.88
1:A:266:GLY:CA	1:C:354:LEU:CG[2_858]	1.32	0.88
1:A:315:THR:N	1:B:166:GLN:CA[2_757]	1.32	0.88
1:A:317:HIS:C	1:B:161:ASP:C[2_757]	1.32	0.88
1:A:320:LYS:N	1:B:161:ASP:OD1[2_757]	1.32	0.88
1:A:326:GLU:CA	1:F:303:LYS:N[2_657]	1.32	0.88
1:A:372:ASP:CA	1:F:96:PRO:CG[2_657]	1.32	0.88
1:B:14:LEU:CD2	1:E:363:SER:O[2_757]	1.32	0.88
1:B:30:LYS:CE	1:C:227:ASP:CA[2_858]	1.32	0.88
1:B:85:LYS:N	1:E:349:ASP:N[2_757]	1.32	0.88
1:B:93:TRP:NE1	1:E:341:GLY:C[2_757]	1.32	0.88
1:B:119:PRO:N	1:C:101:ARG:N[2_858]	1.32	0.88
1:B:321:TYR:N	1:C:241:PHE:CZ[2_858]	1.32	0.88
1:B:324:GLY:CA	1:C:247:HIS:CA[2_858]	1.32	0.88
1:B:325:GLU:CA	1:C:209:LEU:N[2_858]	1.32	0.88
1:B:361:LEU:CD2	1:D:178:SER:CB[2_858]	1.32	0.88
1:B:361:LEU:C	1:D:177:GLY:O[2_858]	1.32	0.88
1:B:365:THR:CG2	1:C:187:THR:CB[2_858]	1.32	0.88
1:B:369:VAL:CG1	1:C:137:GLY:N[2_858]	1.32	0.88
1:B:370:GLN:CD	1:C:141:LYS:CG[2_858]	1.32	0.88
1:B:385:ASN:OD1	4:C:1302:AKG:O1[2_858]	1.32	0.88
1:B:386:ASN:CG	1:C:295:SER:N[2_858]	1.32	0.88
1:B:386:ASN:C	1:C:110:ARG:CB[2_858]	1.32	0.88
1:B:393:THR:OG1	1:C:211:LEU:CD2[2_858]	1.32	0.88
1:B:394:THR:CA	1:C:229:PHE:CZ[2_858]	1.32	0.88
1:D:25:ASP:O	1:E:205:LYS:NZ[2_757]	1.32	0.88
1:D:26:LYS:O	1:E:201:LEU:CD2[2_757]	1.32	0.88
1:D:27:ILE:CG2	1:E:268:ILE:CG1[2_757]	1.32	0.88
1:D:109:PHE:CZ	3:F:1601:NDP:C2B[2_757]	1.32	0.88
1:D:111:GLU:O	1:E:249:GLU:OE2[2_757]	1.32	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:115:ILE:N	1:E:230:GLN:OE1[2_757]	1.32	0.88
1:D:135:ALA:CA	1:F:381:LEU:CD1[2_757]	1.32	0.88
1:D:190:SER:OG	1:F:380:ALA:CA[2_757]	1.32	0.88
1:D:191:ILE:CD1	1:F:392:VAL:N[2_757]	1.32	0.88
1:D:228:ILE:N	1:F:397:PHE:N[2_757]	1.32	0.88
1:D:236:GLN:CB	1:F:335:ILE:N[2_757]	1.32	0.88
1:D:306:GLU:CG	1:E:263:SER:C[2_757]	1.32	0.88
1:D:317:HIS:ND1	1:E:243:GLN:C[2_757]	1.32	0.88
1:D:328:SER:O	1:E:243:GLN:CB[2_757]	1.32	0.88
1:D:342:LEU:CB	1:E:131:ILE:CD1[2_757]	1.32	0.88
1:D:342:LEU:CD2	1:E:131:ILE:CG1[2_757]	1.32	0.88
1:D:353:ALA:C	1:E:274:TYR:O[2_757]	1.32	0.88
1:D:377:LYS:N	1:E:239:SER:CA[2_757]	1.32	0.88
1:E:53:THR:CB	1:E:151:GLY:N[2_657]	1.32	0.88
1:E:87:PHE:O	1:F:187:THR:O[2_657]	1.32	0.88
1:E:90:HIS:CA	1:E:180:VAL:CB[2_657]	1.32	0.88
1:E:91:LYS:CG	1:E:145:THR:C[2_657]	1.32	0.88
1:A:12:VAL:CA	1:A:168:GLN:N[2_757]	1.33	0.87
1:A:34:PRO:O	1:E:173:TYR:N[2_657]	1.33	0.87
1:A:44:ASP:CB	1:A:171:LYS:N[2_757]	1.33	0.87
1:A:48:GLU:CG	1:A:173:TYR:CG[2_757]	1.33	0.87
1:A:55:ASP:OD2	1:A:183:ALA:C[2_757]	1.33	0.87
1:A:56:LYS:O	1:B:181:ALA:O[2_757]	1.33	0.87
1:A:65:ILE:CA	1:A:157:TYR:CE1[2_757]	1.33	0.87
1:A:71:GLY:O	1:A:158:LYS:CG[2_757]	1.33	0.87
1:A:86:GLU:CG	1:A:178:SER:CB[2_757]	1.33	0.87
1:A:90:HIS:O	1:B:225:PHE:CE1[2_757]	1.33	0.87
1:A:92:MET:CE	1:B:219:LYS:O[2_757]	1.33	0.87
1:A:103:ILE:CA	1:B:173:TYR:CD2[2_757]	1.33	0.87
1:A:269:MET:CA	1:C:350:ASN:CB[2_858]	1.33	0.87
1:A:283:VAL:CG1	1:C:8:LYS:O[2_858]	1.33	0.87
1:A:283:VAL:CG2	1:C:9:GLN:CG[2_858]	1.33	0.87
1:A:304:THR:CG2	1:B:151:GLY:N[2_757]	1.33	0.87
1:A:368:THR:N	1:F:58:THR:CG2[2_657]	1.33	0.87
1:A:392:VAL:O	1:F:65:ILE:CG2[2_657]	1.33	0.87
1:A:400:ALA:CB	1:F:100:ILE:N[2_657]	1.33	0.87
1:B:50:ARG:O	1:E:340:ARG:C[2_757]	1.33	0.87
1:B:61:ALA:N	1:E:365:THR:CG2[2_757]	1.33	0.87
1:B:93:TRP:CG	1:E:342:LEU:N[2_757]	1.33	0.87
1:B:317:HIS:NE2	5:C:1334:HOH:O[2_858]	1.33	0.87
1:B:319:ARG:CB	1:C:203:ILE:CB[2_858]	1.33	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:325:GLU:CB	1:C:207:LEU:O[2_858]	1.33	0.87
1:B:326:GLU:N	1:C:209:LEU:CB[2_858]	1.33	0.87
1:B:372:ASP:CG	1:C:184:MET:CG[2_858]	1.33	0.87
1:B:386:ASN:CA	1:C:110:ARG:CG[2_858]	1.33	0.87
1:B:406:GLN:O	1:D:145:THR:OG1[2_858]	1.33	0.87
1:B:410:LYS:O	1:C:169:THR:N[2_858]	1.33	0.87
1:E:405:LEU:C	5:B:1215:HOH:O[2_757]	1.33	0.87
1:C:317:HIS:CG	1:C:325:GLU:CB[2_958]	1.33	0.87
1:D:2:PHE:O	5:E:1531:HOH:O[2_757]	1.33	0.87
1:D:13:GLU:CG	1:E:128:PRO:CG[2_757]	1.33	0.87
1:D:109:PHE:CE1	3:F:1601:NDP:O2B[2_757]	1.33	0.87
1:D:137:GLY:C	1:F:387:GLU:CA[2_757]	1.33	0.87
1:D:194:PHE:CB	1:F:377:LYS:N[2_757]	1.33	0.87
1:D:197:SER:CA	3:F:1601:NDP:N1A[2_757]	1.33	0.87
1:D:228:ILE:N	1:F:396:GLU:CA[2_757]	1.33	0.87
1:D:231:GLU:OE1	1:F:400:ALA:C[2_757]	1.33	0.87
1:D:233:TYR:OH	1:F:21:ARG:O[2_757]	1.33	0.87
1:D:252:LEU:C	1:F:324:GLY:O[2_757]	1.33	0.87
1:D:268:ILE:CG1	1:F:315:THR:C[2_757]	1.33	0.87
1:D:268:ILE:O	1:F:318:TYR:CA[2_757]	1.33	0.87
1:D:296:ILE:CG1	1:E:259:GLN:CB[2_757]	1.33	0.87
1:D:303:LYS:CD	1:F:287:PHE:CA[2_757]	1.33	0.87
1:D:334:SER:CB	1:E:207:LEU:O[2_757]	1.33	0.87
1:D:348:LEU:CD2	1:F:282:ILE:CG2[2_757]	1.33	0.87
1:E:50:ARG:CG	1:E:148:PRO:C[2_657]	1.33	0.87
1:E:55:ASP:CG	1:E:148:PRO:CG[2_657]	1.33	0.87
1:E:84:VAL:CA	1:F:224:ARG:CG[2_657]	1.33	0.87
1:A:29:LYS:O	1:E:173:TYR:OH[2_657]	1.34	0.86
1:A:44:ASP:CB	1:A:171:LYS:CA[2_757]	1.34	0.86
1:A:48:GLU:CG	1:A:173:TYR:CE2[2_757]	1.34	0.86
1:A:63:GLU:CD	1:B:179:GLY:C[2_757]	1.34	0.86
1:A:66:LYS:CG	1:B:177:GLY:O[2_757]	1.34	0.86
1:A:89:LEU:CA	1:B:186:ASN:CB[2_757]	1.34	0.86
1:A:100:ILE:CG1	1:B:153:LEU:CB[2_757]	1.34	0.86
1:A:111:GLU:CD	1:C:6:LYS:CG[2_858]	1.34	0.86
1:A:117:ARG:CG	1:F:44:ASP:N[2_657]	1.34	0.86
1:A:125:TRP:C	1:C:11:VAL:CG1[2_858]	1.34	0.86
1:A:219:LYS:CG	1:E:37:ASP:C[2_757]	1.34	0.86
1:A:260:MET:N	1:C:348:LEU:CD1[2_858]	1.34	0.86
1:A:261:ILE:C	1:C:69:GLY:O[2_858]	1.34	0.86
1:A:269:MET:SD	1:C:349:ASP:CA[2_858]	1.34	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:326:GLU:C	1:F:303:LYS:CB[2_657]	1.34	0.86
1:A:328:SER:O	1:F:67:LYS:CA[2_657]	1.34	0.86
1:A:365:THR:CB	1:F:59:GLN:NE2[2_657]	1.34	0.86
1:A:381:LEU:CD2	1:F:11:VAL:N[2_657]	1.34	0.86
1:A:386:ASN:C	1:F:11:VAL:CG2[2_657]	1.34	0.86
1:A:391:TYR:N	1:F:71:GLY:C[2_657]	1.34	0.86
1:B:12:VAL:CB	1:E:366:LEU:O[2_757]	1.34	0.86
1:B:45:LEU:CD1	1:E:361:LEU:C[2_757]	1.34	0.86
1:B:51:ASP:CG	1:E:344:LYS:CG[2_757]	1.34	0.86
1:B:56:LYS:CE	1:E:309:ALA:N[2_757]	1.34	0.86
1:B:287:PHE:CG	1:C:66:LYS:CE[2_858]	1.34	0.86
1:B:297:LEU:CD1	1:E:403:LYS:CB[2_757]	1.34	0.86
1:B:329:THR:CG2	1:C:196:HIS:CB[2_858]	1.34	0.86
1:B:329:THR:CG2	1:C:196:HIS:CA[2_858]	1.34	0.86
1:B:334:SER:OG	1:C:192:GLU:OE2[2_858]	1.34	0.86
1:B:356:LYS:CB	1:C:159:PRO:CB[2_858]	1.34	0.86
1:B:370:GLN:CA	1:C:141:LYS:CB[2_858]	1.34	0.86
1:B:387:GLU:CG	1:C:110:ARG:NH1[2_858]	1.34	0.86
1:B:394:THR:C	1:C:229:PHE:CE1[2_858]	1.34	0.86
1:B:395:GLU:OE1	1:C:229:PHE:CD2[2_858]	1.34	0.86
1:B:395:GLU:CG	1:C:229:PHE:CB[2_858]	1.34	0.86
1:B:397:PHE:CA	1:C:225:PHE:CE2[2_858]	1.34	0.86
1:C:321:TYR:CB	5:C:1339:HOH:O[2_958]	1.34	0.86
1:D:10:PRO:C	1:E:283:VAL:O[2_757]	1.34	0.86
1:D:34:PRO:O	1:E:296:ILE:C[2_757]	1.34	0.86
1:D:34:PRO:CA	1:E:296:ILE:O[2_757]	1.34	0.86
1:D:114:VAL:C	1:E:230:GLN:OE1[2_757]	1.34	0.86
1:D:134:HIS:O	1:F:377:LYS:NZ[2_757]	1.34	0.86
1:D:134:HIS:ND1	1:F:391:TYR:CD2[2_757]	1.34	0.86
1:D:200:LYS:C	1:F:311:HIS:ND1[2_757]	1.34	0.86
1:D:205:LYS:N	3:F:1601:NDP:O4D[2_757]	1.34	0.86
1:D:208:ASN:O	1:F:318:TYR:CG[2_757]	1.34	0.86
1:D:210:PHE:CD2	1:F:321:TYR:CD2[2_757]	1.34	0.86
1:D:232:VAL:CG2	1:F:397:PHE:CE2[2_757]	1.34	0.86
1:D:244:LEU:N	1:F:16:GLY:N[2_757]	1.34	0.86
1:D:249:GLU:C	1:F:321:TYR:CE1[2_757]	1.34	0.86
1:D:304:THR:OG1	1:F:121:LEU:CA[2_757]	1.34	0.86
1:D:304:THR:CB	1:F:121:LEU:CG[2_757]	1.34	0.86
1:D:332:ILE:CG2	1:E:248:TYR:CG[2_757]	1.34	0.86
1:D:335:ILE:N	1:E:208:ASN:O[2_757]	1.34	0.86
1:D:336:PHE:N	1:E:209:LEU:CA[2_757]	1.34	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:356:LYS:NZ	1:E:139:GLN:CD[2_757]	1.34	0.86
1:D:364:ALA:CB	1:E:194:PHE:C[2_757]	1.34	0.86
1:D:367:ASN:C	1:E:232:VAL:CB[2_757]	1.34	0.86
1:D:404:ARG:CD	1:E:192:GLU:O[2_757]	1.34	0.86
1:E:89:LEU:C	1:E:180:VAL:CG2[2_657]	1.34	0.86
1:E:91:LYS:CB	1:E:146:LEU:N[2_657]	1.34	0.86
1:A:43:TYR:CE2	1:B:145:THR:OG1[2_757]	1.35	0.85
1:A:50:ARG:O	1:B:184:MET:CB[2_757]	1.35	0.85
1:A:53:THR:CB	1:B:142:ALA:CA[2_757]	1.35	0.85
1:A:78:THR:N	1:A:145:THR:CG2[2_757]	1.35	0.85
1:A:83:ARG:CG	1:A:147:ILE:N[2_757]	1.35	0.85
1:A:117:ARG:CD	1:F:44:ASP:CA[2_657]	1.35	0.85
1:A:150:PRO:O	1:A:318:TYR:CD2[2_757]	1.35	0.85
1:A:326:GLU:CB	1:F:303:LYS:CA[2_657]	1.35	0.85
1:A:368:THR:N	1:F:58:THR:CB[2_657]	1.35	0.85
1:A:384:GLY:C	1:F:40:LEU:CG[2_657]	1.35	0.85
1:A:387:GLU:OE2	1:F:338:TRP:CE3[2_657]	1.35	0.85
1:A:400:ALA:O	1:F:99:THR:CA[2_657]	1.35	0.85
1:B:22:ILE:CB	1:C:233:TYR:N[2_858]	1.35	0.85
1:B:26:LYS:NZ	1:C:230:GLN:N[2_858]	1.35	0.85
1:B:50:ARG:NH2	1:E:355:CYS:O[2_757]	1.35	0.85
1:B:57:ILE:CG1	1:E:336:PHE:CZ[2_757]	1.35	0.85
1:B:62:ALA:O	1:E:401:VAL:CG2[2_757]	1.35	0.85
1:B:66:LYS:CD	1:E:397:PHE:C[2_757]	1.35	0.85
1:B:104:LEU:CD2	1:E:400:ALA:CA[2_757]	1.35	0.85
1:B:287:PHE:N	1:C:66:LYS:CG[2_858]	1.35	0.85
1:B:320:LYS:CB	1:C:202:ALA:CA[2_858]	1.35	0.85
1:B:325:GLU:CD	1:C:207:LEU:N[2_858]	1.35	0.85
1:B:327:THR:CG2	1:C:199:PHE:N[2_858]	1.35	0.85
1:B:332:ILE:CD1	1:C:190:SER:OG[2_858]	1.35	0.85
1:B:358:ALA:O	1:D:150:PRO:N[2_858]	1.35	0.85
1:B:358:ALA:C	1:D:150:PRO:CD[2_858]	1.35	0.85
1:B:362:GLU:CD	1:D:176:LYS:CA[2_858]	1.35	0.85
1:B:378:ASP:C	1:C:107:THR:N[2_858]	1.35	0.85
1:B:392:VAL:N	1:C:271:LEU:C[2_858]	1.35	0.85
1:B:398:LEU:C	1:C:224:ARG:C[2_858]	1.35	0.85
1:B:407:LYS:CG	1:D:144:ASP:CA[2_858]	1.35	0.85
1:D:10:PRO:N	1:E:285:GLN:N[2_757]	1.35	0.85
1:D:13:GLU:C	1:E:127:LYS:C[2_757]	1.35	0.85
1:D:70:VAL:CB	1:E:125:TRP:CH2[2_757]	1.35	0.85
1:D:115:ILE:N	1:E:230:GLN:CD[2_757]	1.35	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:118:ILE:CD1	1:E:234:GLU:CB[2_757]	1.35	0.85
1:D:196:HIS:ND1	1:F:332:ILE:N[2_757]	1.35	0.85
1:D:196:HIS:CB	1:F:330:ASN:ND2[2_757]	1.35	0.85
1:D:240:LYS:N	1:F:24:TRP:CZ3[2_757]	1.35	0.85
1:D:244:LEU:CD2	1:F:76:THR:CG2[2_757]	1.35	0.85
1:D:345:ARG:CD	1:E:282:ILE:C[2_757]	1.35	0.85
1:D:357:PHE:CD1	1:E:133:ARG:CB[2_757]	1.35	0.85
1:D:362:GLU:CB	1:E:211:LEU:CG[2_757]	1.35	0.85
1:D:364:ALA:N	1:E:229:PHE:CZ[2_757]	1.35	0.85
1:D:400:ALA:N	1:E:200:LYS:NZ[2_757]	1.35	0.85
1:E:51:ASP:O	1:E:175:TYR:CD2[2_657]	1.35	0.85
1:A:14:LEU:CD1	1:A:156:VAL:C[2_757]	1.36	0.84
1:A:21:ARG:CZ	1:A:171:LYS:CD[2_757]	1.36	0.84
1:A:29:LYS:CE	1:E:176:LYS:O[2_657]	1.36	0.84
1:A:35:TYR:O	1:E:171:LYS:CG[2_657]	1.36	0.84
1:A:42:TYR:O	1:A:170:LEU:CD2[2_757]	1.36	0.84
1:A:79:PRO:N	1:A:145:THR:C[2_757]	1.36	0.84
1:A:90:HIS:ND1	1:B:138:ASP:OD2[2_757]	1.36	0.84
1:A:95:SER:N	1:A:143:THR:C[2_757]	1.36	0.84
1:A:120:ARG:N	1:C:41:LYS:CA[2_858]	1.36	0.84
1:A:122:VAL:N	1:C:12:VAL:CG2[2_858]	1.36	0.84
1:A:127:LYS:N	1:C:342:LEU:CD2[2_858]	1.36	0.84
1:A:208:ASN:O	1:C:352:PRO:CA[2_858]	1.36	0.84
1:A:217:ILE:CB	1:E:4:LYS:CG[2_757]	1.36	0.84
1:A:264:LYS:CB	1:C:341:GLY:CA[2_858]	1.36	0.84
1:A:317:HIS:O	1:B:162:PRO:N[2_757]	1.36	0.84
1:A:365:THR:CA	1:F:59:GLN:CD[2_657]	1.36	0.84
1:A:367:ASN:ND2	1:F:55:ASP:CB[2_657]	1.36	0.84
1:A:373:GLY:CA	1:F:45:LEU:CD1[2_657]	1.36	0.84
1:A:376:THR:CB	1:F:65:ILE:N[2_657]	1.36	0.84
1:A:391:TYR:CD1	1:F:70:VAL:C[2_657]	1.36	0.84
1:B:168:GLN:CB	3:A:1101:NDP:C1D[2_757]	1.36	0.84
1:B:23:ILE:CB	1:C:232:VAL:CG2[2_858]	1.36	0.84
1:B:47:VAL:O	1:E:343:LEU:CG[2_757]	1.36	0.84
1:B:51:ASP:OD1	1:E:344:LYS:CG[2_757]	1.36	0.84
1:B:57:ILE:CA	1:E:336:PHE:CD1[2_757]	1.36	0.84
1:B:60:ASP:CG	1:E:333:ALA:N[2_757]	1.36	0.84
1:B:88:ASN:N	1:E:347:GLU:O[2_757]	1.36	0.84
1:B:119:PRO:CA	1:C:100:ILE:C[2_858]	1.36	0.84
1:B:331:SER:CA	1:C:192:GLU:N[2_858]	1.36	0.84
1:B:331:SER:C	1:C:189:GLU:O[2_858]	1.36	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:332:ILE:C	1:C:189:GLU:CB[2_858]	1.36	0.84
1:B:335:ILE:CG1	1:C:188:ASP:C[2_858]	1.36	0.84
1:B:354:LEU:CD2	1:C:164:THR:CG2[2_858]	1.36	0.84
1:B:363:SER:CA	1:D:175:TYR:CG[2_858]	1.36	0.84
1:B:378:ASP:CG	1:C:106:GLY:C[2_858]	1.36	0.84
1:B:399:ASP:CA	1:C:225:PHE:N[2_858]	1.36	0.84
1:B:407:LYS:C	1:D:145:THR:CG2[2_858]	1.36	0.84
1:C:316:ARG:CB	1:C:323:LYS:N[2_958]	1.36	0.84
1:D:2:PHE:CZ	1:E:101:ARG:N[2_757]	1.36	0.84
1:D:5:ILE:N	1:E:110:ARG:CZ[2_757]	1.36	0.84
1:D:34:PRO:C	1:E:296:ILE:C[2_757]	1.36	0.84
1:D:35:TYR:CD2	1:E:107:THR:C[2_757]	1.36	0.84
1:D:40:LEU:CG	1:E:112:PRO:CD[2_757]	1.36	0.84
1:D:130:ILE:CB	1:F:316:ARG:CG[2_757]	1.36	0.84
1:D:134:HIS:ND1	1:F:391:TYR:CE2[2_757]	1.36	0.84
1:D:185:TYR:C	1:F:389:SER:OG[2_757]	1.36	0.84
1:D:196:HIS:CA	1:F:330:ASN:CA[2_757]	1.36	0.84
1:D:231:GLU:O	1:F:398:LEU:CD2[2_757]	1.36	0.84
1:D:231:GLU:CB	1:F:398:LEU:CA[2_757]	1.36	0.84
1:D:239:SER:CB	1:F:338:TRP:NE1[2_757]	1.36	0.84
1:D:246:ILE:C	1:F:21:ARG:CB[2_757]	1.36	0.84
1:D:296:ILE:CD1	1:E:259:GLN:CA[2_757]	1.36	0.84
1:D:302:GLY:C	1:F:285:GLN:CA[2_757]	1.36	0.84
1:D:302:GLY:N	1:F:284:ALA:O[2_757]	1.36	0.84
1:D:337:ALA:O	1:E:267:PHE:CD1[2_757]	1.36	0.84
1:D:362:GLU:CD	1:E:212:SER:N[2_757]	1.36	0.84
1:D:374:ILE:C	1:E:236:GLN:CA[2_757]	1.36	0.84
1:D:401:VAL:C	1:E:197:SER:CA[2_757]	1.36	0.84
1:D:401:VAL:CG1	1:E:199:PHE:N[2_757]	1.36	0.84
1:D:406:GLN:OE1	1:E:299:THR:C[2_757]	1.36	0.84
1:E:51:ASP:OD1	1:E:179:GLY:CA[2_657]	1.36	0.84
1:E:57:ILE:N	1:F:159:PRO:CA[2_657]	1.36	0.84
1:E:90:HIS:CB	1:E:181:ALA:N[2_657]	1.36	0.84
1:A:4:LYS:NZ	1:E:152:SER:O[2_657]	1.37	0.83
1:A:33:LEU:CB	1:E:174:ASP:O[2_657]	1.37	0.83
1:A:43:TYR:CZ	1:B:145:THR:OG1[2_757]	1.37	0.83
1:A:44:ASP:N	1:A:170:LEU:C[2_757]	1.37	0.83
1:A:50:ARG:CG	1:B:183:ALA:CB[2_757]	1.37	0.83
1:A:53:THR:N	1:B:142:ALA:CA[2_757]	1.37	0.83
1:A:68:TYR:C	1:A:165:ALA:CB[2_757]	1.37	0.83
1:A:70:VAL:N	1:A:159:PRO:CG[2_757]	1.37	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:74:CYS:CB	5:B:1213:HOH:O[2_757]	1.37	0.83
1:A:87:PHE:CG	1:A:175:TYR:CD2[2_757]	1.37	0.83
1:A:100:ILE:CD1	1:B:153:LEU:C[2_757]	1.37	0.83
1:A:129:ILE:N	1:C:7:VAL:CA[2_858]	1.37	0.83
1:A:260:MET:CB	1:C:348:LEU:CB[2_858]	1.37	0.83
1:A:267:PHE:C	1:C:351:THR:CB[2_858]	1.37	0.83
1:A:268:ILE:O	1:C:350:ASN:O[2_858]	1.37	0.83
1:A:287:PHE:C	1:C:39:ASP:OD2[2_858]	1.37	0.83
1:A:317:HIS:N	1:B:162:PRO:O[2_757]	1.37	0.83
1:A:320:LYS:CA	1:B:161:ASP:CG[2_757]	1.37	0.83
1:A:367:ASN:C	1:F:58:THR:CB[2_657]	1.37	0.83
1:A:398:LEU:C	1:F:102:ASN:C[2_657]	1.37	0.83
1:B:11:VAL:O	1:E:370:GLN:CA[2_757]	1.37	0.83
1:B:26:LYS:CG	1:C:231:GLU:N[2_858]	1.37	0.83
1:B:46:SER:O	1:E:343:LEU:CD1[2_757]	1.37	0.83
1:B:56:LYS:CG	1:E:337:ALA:CB[2_757]	1.37	0.83
1:B:70:VAL:CA	1:E:372:ASP:CA[2_757]	1.37	0.83
1:B:82:ALA:C	1:E:350:ASN:C[2_757]	1.37	0.83
1:B:87:PHE:CA	1:E:347:GLU:CA[2_757]	1.37	0.83
1:B:122:VAL:N	1:C:65:ILE:N[2_858]	1.37	0.83
1:B:140:TYR:C	1:E:34:PRO:CA[2_757]	1.37	0.83
1:B:216:THR:C	1:B:220:LYS:CE[2_757]	1.37	0.83
1:B:286:GLY:O	1:C:66:LYS:CB[2_858]	1.37	0.83
1:B:289:SER:N	1:C:299:THR:CG2[2_858]	1.37	0.83
1:B:297:LEU:N	1:E:407:LYS:CG[2_757]	1.37	0.83
1:B:321:TYR:C	1:C:241:PHE:CD2[2_858]	1.37	0.83
1:B:369:VAL:CG1	1:C:136:HIS:O[2_858]	1.37	0.83
1:B:372:ASP:O	1:C:139:GLN:N[2_858]	1.37	0.83
1:B:383:CYS:N	1:C:101:ARG:CG[2_858]	1.37	0.83
1:B:410:LYS:CG	1:C:170:LEU:CD2[2_858]	1.37	0.83
1:C:324:GLY:CA	3:C:1301:NDP:O3X[2_958]	1.37	0.83
1:D:9:GLN:CD	1:E:285:GLN:CG[2_757]	1.37	0.83
1:D:33:LEU:C	1:E:109:PHE:O[2_757]	1.37	0.83
1:D:66:LYS:C	1:E:123:PRO:CD[2_757]	1.37	0.83
1:D:115:ILE:CG1	1:E:230:GLN:NE2[2_757]	1.37	0.83
1:D:130:ILE:O	1:F:316:ARG:O[2_757]	1.37	0.83
1:D:188:ASP:O	1:F:374:ILE:C[2_757]	1.37	0.83
1:D:196:HIS:CE1	1:F:332:ILE:CB[2_757]	1.37	0.83
1:D:209:LEU:CB	1:F:19:MET:CG[2_757]	1.37	0.83
1:D:238:LYS:O	1:F:24:TRP:CG[2_757]	1.37	0.83
1:D:249:GLU:O	1:F:321:TYR:CE1[2_757]	1.37	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:290:LEU:C	1:E:247:HIS:CD2[2_757]	1.37	0.83
1:D:298:VAL:CA	1:E:262:LYS:CD[2_757]	1.37	0.83
1:D:302:GLY:CA	1:F:284:ALA:C[2_757]	1.37	0.83
1:D:336:PHE:CB	1:E:210:PHE:N[2_757]	1.37	0.83
1:D:342:LEU:CD1	1:E:131:ILE:CB[2_757]	1.37	0.83
1:D:360:ILE:CA	1:E:194:PHE:CE1[2_757]	1.37	0.83
1:D:366:LEU:C	1:E:229:PHE:C[2_757]	1.37	0.83
1:D:379:LEU:CB	1:E:238:LYS:CB[2_757]	1.37	0.83
1:D:398:LEU:C	1:E:200:LYS:CA[2_757]	1.37	0.83
1:D:404:ARG:CB	1:E:192:GLU:O[2_757]	1.37	0.83
1:E:81:GLU:N	1:F:227:ASP:OD2[2_657]	1.37	0.83
1:E:85:LYS:NZ	1:F:248:TYR:OH[2_657]	1.37	0.83
1:A:4:LYS:CE	1:E:152:SER:C[2_657]	1.38	0.82
1:A:34:PRO:CB	1:E:173:TYR:CG[2_657]	1.38	0.82
1:A:90:HIS:CB	1:B:138:ASP:CG[2_757]	1.38	0.82
1:A:95:SER:C	1:A:143:THR:CG2[2_757]	1.38	0.82
1:A:97:ASN:CB	1:B:170:LEU:O[2_757]	1.38	0.82
1:A:98:GLY:O	1:B:172:VAL:O[2_757]	1.38	0.82
1:A:112:PRO:O	1:C:37:ASP:OD2[2_858]	1.38	0.82
1:A:120:ARG:N	1:C:41:LYS:N[2_858]	1.38	0.82
1:A:183:ALA:O	5:A:1109:HOH:O[2_757]	1.38	0.82
1:A:206:LYS:NZ	5:C:1350:HOH:O[2_858]	1.38	0.82
1:A:265:GLY:O	1:C:342:LEU:C[2_858]	1.38	0.82
1:A:268:ILE:CA	1:C:351:THR:N[2_858]	1.38	0.82
1:A:313:THR:CG2	1:B:157:TYR:O[2_757]	1.38	0.82
1:A:318:TYR:CD1	1:B:160:SER:CA[2_757]	1.38	0.82
1:A:367:ASN:O	1:F:58:THR:OG1[2_657]	1.38	0.82
1:A:372:ASP:O	1:F:73:LYS:CE[2_657]	1.38	0.82
1:A:376:THR:C	1:F:65:ILE:N[2_657]	1.38	0.82
1:A:405:LEU:CB	1:F:141:LYS:NZ[2_657]	1.38	0.82
1:F:301:ASP:CG	5:A:1110:HOH:O[2_657]	1.38	0.82
1:B:26:LYS:CE	1:C:230:GLN:CB[2_858]	1.38	0.82
1:B:26:LYS:N	1:C:231:GLU:CB[2_858]	1.38	0.82
1:B:45:LEU:CD2	1:E:362:GLU:CG[2_757]	1.38	0.82
1:B:65:ILE:CD1	1:E:364:ALA:O[2_757]	1.38	0.82
1:B:77:ILE:CG2	1:E:352:PRO:O[2_757]	1.38	0.82
1:B:87:PHE:C	1:E:347:GLU:CB[2_757]	1.38	0.82
1:B:89:LEU:CB	1:E:344:LYS:O[2_757]	1.38	0.82
1:B:118:ILE:CB	1:C:101:ARG:O[2_858]	1.38	0.82
1:B:285:GLN:CG	1:C:303:LYS:C[2_858]	1.38	0.82
1:B:287:PHE:CA	1:C:66:LYS:CG[2_858]	1.38	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:306:GLU:CG	1:E:404:ARG:CG[2_757]	1.38	0.82
1:B:308:GLU:OE1	1:E:408:GLU:C[2_757]	1.38	0.82
1:B:314:VAL:CB	1:C:200:LYS:CE[2_858]	1.38	0.82
1:B:322:GLN:CB	1:C:241:PHE:CA[2_858]	1.38	0.82
1:B:323:LYS:CA	1:C:246:ILE:CB[2_858]	1.38	0.82
1:B:354:LEU:CA	1:C:164:THR:CA[2_858]	1.38	0.82
1:B:362:GLU:CB	1:D:176:LYS:N[2_858]	1.38	0.82
1:B:368:THR:C	1:C:185:TYR:O[2_858]	1.38	0.82
1:B:369:VAL:C	1:C:137:GLY:CA[2_858]	1.38	0.82
1:B:384:GLY:CA	1:C:308:GLU:OE2[2_858]	1.38	0.82
1:B:386:ASN:ND2	1:C:295:SER:CB[2_858]	1.38	0.82
1:B:399:ASP:N	1:C:224:ARG:C[2_858]	1.38	0.82
1:B:404:ARG:NH2	1:C:184:MET:N[2_858]	1.38	0.82
1:D:7:VAL:CG2	1:E:280:SER:O[2_757]	1.38	0.82
1:D:7:VAL:CG2	1:E:280:SER:C[2_757]	1.38	0.82
1:D:35:TYR:C	1:E:108:VAL:CG1[2_757]	1.38	0.82
1:D:102:ASN:CG	1:F:384:GLY:O[2_757]	1.38	0.82
1:D:191:ILE:CD1	1:F:391:TYR:O[2_757]	1.38	0.82
1:D:200:LYS:CG	1:F:311:HIS:CD2[2_757]	1.38	0.82
1:D:204:ASP:C	3:F:1601:NDP:N1N[2_757]	1.38	0.82
1:D:206:LYS:CD	1:F:76:THR:O[2_757]	1.38	0.82
1:D:233:TYR:CZ	1:F:22:ILE:C[2_757]	1.38	0.82
1:D:291:GLY:O	1:E:248:TYR:N[2_757]	1.38	0.82
1:D:302:GLY:CA	1:F:285:GLN:N[2_757]	1.38	0.82
1:D:328:SER:N	1:E:243:GLN:OE1[2_757]	1.38	0.82
1:D:329:THR:N	1:E:240:LYS:O[2_757]	1.38	0.82
1:D:330:ASN:CG	1:E:241:PHE:CB[2_757]	1.38	0.82
1:D:336:PHE:CE2	1:E:249:GLU:O[2_757]	1.38	0.82
1:D:339:SER:N	1:E:269:MET:CB[2_757]	1.38	0.82
1:D:346:GLY:N	1:E:279:GLN:OE1[2_757]	1.38	0.82
1:D:349:ASP:OD2	1:E:282:ILE:CA[2_757]	1.38	0.82
1:D:355:CYS:C	1:E:275:ASP:CA[2_757]	1.38	0.82
1:D:367:ASN:OD1	1:E:228:ILE:C[2_757]	1.38	0.82
1:D:370:GLN:CB	1:E:231:GLU:CB[2_757]	1.38	0.82
1:D:374:ILE:CD1	1:E:236:GLN:NE2[2_757]	1.38	0.82
1:D:400:ALA:CA	1:E:200:LYS:CE[2_757]	1.38	0.82
1:E:311:HIS:CB	5:D:1446:HOH:O[2_757]	1.38	0.82
1:E:52:ALA:O	1:E:175:TYR:CD1[2_657]	1.38	0.82
1:E:55:ASP:CA	1:F:157:TYR:CE2[2_657]	1.38	0.82
1:E:81:GLU:O	1:F:223:GLY:O[2_657]	1.38	0.82
1:E:84:VAL:CA	1:F:224:ARG:CB[2_657]	1.38	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:89:LEU:CG	1:F:188:ASP:OD1[2_657]	1.38	0.82
1:A:12:VAL:N	1:A:167:PRO:C[2_757]	1.39	0.81
1:A:36:LEU:CA	1:E:171:LYS:NZ[2_657]	1.39	0.81
1:A:44:ASP:N	1:A:170:LEU:CB[2_757]	1.39	0.81
1:A:47:VAL:CB	1:A:175:TYR:CZ[2_757]	1.39	0.81
1:A:60:ASP:CB	1:B:145:THR:O[2_757]	1.39	0.81
1:A:78:THR:C	1:A:145:THR:CA[2_757]	1.39	0.81
1:A:78:THR:CA	1:A:145:THR:CB[2_757]	1.39	0.81
1:A:81:GLU:CD	1:B:227:ASP:OD2[2_757]	1.39	0.81
1:A:83:ARG:O	1:A:179:GLY:C[2_757]	1.39	0.81
1:A:88:ASN:N	1:B:188:ASP:N[2_757]	1.39	0.81
1:A:90:HIS:CD2	1:B:138:ASP:OD2[2_757]	1.39	0.81
1:A:94:LYS:CA	1:A:144:ASP:N[2_757]	1.39	0.81
1:A:118:ILE:CD1	1:F:43:TYR:CG[2_657]	1.39	0.81
1:A:144:ASP:CG	1:B:219:LYS:CE[2_757]	1.39	0.81
1:A:216:THR:CA	1:E:5:ILE:O[2_757]	1.39	0.81
1:A:260:MET:CA	1:C:348:LEU:CG[2_858]	1.39	0.81
1:A:268:ILE:N	1:C:351:THR:N[2_858]	1.39	0.81
1:A:283:VAL:O	1:C:10:PRO:CD[2_858]	1.39	0.81
1:A:315:THR:C	1:B:165:ALA:O[2_757]	1.39	0.81
1:A:316:ARG:O	1:B:163:THR:C[2_757]	1.39	0.81
1:A:329:THR:O	1:F:66:LYS:CB[2_657]	1.39	0.81
1:A:376:THR:OG1	1:F:63:GLU:C[2_657]	1.39	0.81
1:A:384:GLY:CA	1:F:40:LEU:CB[2_657]	1.39	0.81
1:A:399:ASP:N	1:F:102:ASN:C[2_657]	1.39	0.81
1:A:410:LYS:C	1:E:220:LYS:NZ[2_657]	1.39	0.81
1:B:166:GLN:NE2	3:A:1101:NDP:C3B[2_757]	1.39	0.81
1:B:26:LYS:C	1:C:231:GLU:CD[2_858]	1.39	0.81
1:B:31:LEU:CG	1:C:224:ARG:CZ[2_858]	1.39	0.81
1:B:59:GLN:CB	1:E:335:ILE:CA[2_757]	1.39	0.81
1:B:67:LYS:NZ	1:E:379:LEU:C[2_757]	1.39	0.81
1:B:68:TYR:CD1	1:E:369:VAL:CG1[2_757]	1.39	0.81
1:B:72:ILE:CD1	1:E:371:GLN:NE2[2_757]	1.39	0.81
1:B:90:HIS:C	1:E:70:VAL:CB[2_757]	1.39	0.81
1:B:98:GLY:O	1:E:30:LYS:O[2_757]	1.39	0.81
1:B:121:LEU:O	1:C:65:ILE:CB[2_858]	1.39	0.81
1:B:125:TRP:CA	1:C:63:GLU:CB[2_858]	1.39	0.81
1:B:318:TYR:CB	1:C:237:TYR:CD2[2_858]	1.39	0.81
1:B:326:GLU:CA	1:C:209:LEU:CG[2_858]	1.39	0.81
1:B:326:GLU:OE2	1:C:269:MET:N[2_858]	1.39	0.81
1:B:407:LYS:CE	1:D:144:ASP:N[2_858]	1.39	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:2:PHE:CD2	1:E:101:ARG:N[2_757]	1.39	0.81
1:D:10:PRO:CA	1:E:284:ALA:C[2_757]	1.39	0.81
1:D:72:ILE:N	1:E:265:GLY:CA[2_757]	1.39	0.81
1:D:132:GLY:O	5:F:1652:HOH:O[2_757]	1.39	0.81
1:D:136:HIS:N	1:F:381:LEU:CD2[2_757]	1.39	0.81
1:D:194:PHE:CD1	1:F:328:SER:CB[2_757]	1.39	0.81
1:D:230:GLN:CD	1:F:26:LYS:CD[2_757]	1.39	0.81
1:D:234:GLU:OE2	1:F:30:LYS:CD[2_757]	1.39	0.81
1:D:237:TYR:CE1	1:F:331:SER:O[2_757]	1.39	0.81
1:D:238:LYS:CE	1:F:25:ASP:O[2_757]	1.39	0.81
1:D:290:LEU:O	1:E:247:HIS:CG[2_757]	1.39	0.81
1:D:336:PHE:CG	1:E:210:PHE:CA[2_757]	1.39	0.81
1:D:336:PHE:C	1:E:210:PHE:CD1[2_757]	1.39	0.81
1:D:352:PRO:CG	1:E:274:TYR:OH[2_757]	1.39	0.81
1:D:359:ASN:ND2	1:E:275:ASP:OD2[2_757]	1.39	0.81
1:D:370:GLN:CB	1:E:231:GLU:N[2_757]	1.39	0.81
1:D:372:ASP:OD2	1:E:196:HIS:CD2[2_757]	1.39	0.81
1:E:49:SER:OG	1:E:150:PRO:CD[2_657]	1.39	0.81
1:E:60:ASP:CA	1:F:162:PRO:CG[2_657]	1.39	0.81
1:E:90:HIS:NE2	1:E:181:ALA:CB[2_657]	1.39	0.81
1:E:93:TRP:CH2	1:E:147:ILE:CG1[2_657]	1.39	0.81
1:A:3:SER:N	1:E:170:LEU:O[2_657]	1.40	0.80
1:A:43:TYR:OH	1:B:145:THR:OG1[2_757]	1.40	0.80
1:A:52:ALA:O	1:B:141:LYS:N[2_757]	1.40	0.80
1:A:54:SER:OG	1:B:139:GLN:CA[2_757]	1.40	0.80
1:A:65:ILE:CA	1:A:157:TYR:OH[2_757]	1.40	0.80
1:A:66:LYS:C	1:B:149:GLY:N[2_757]	1.40	0.80
1:A:73:LYS:CA	1:A:156:VAL:CG1[2_757]	1.40	0.80
1:A:92:MET:SD	1:B:220:LYS:O[2_757]	1.40	0.80
1:A:150:PRO:CG	1:A:322:GLN:OE1[2_757]	1.40	0.80
1:A:158:LYS:CE	1:A:307:SER:O[2_757]	1.40	0.80
1:A:162:PRO:C	1:A:345:ARG:NH2[2_757]	1.40	0.80
1:A:260:MET:CA	1:C:348:LEU:CD1[2_858]	1.40	0.80
1:B:14:LEU:O	1:E:363:SER:OG[2_757]	1.40	0.80
1:B:26:LYS:NZ	1:C:230:GLN:CA[2_858]	1.40	0.80
1:B:62:ALA:C	1:E:401:VAL:CG2[2_757]	1.40	0.80
1:B:68:TYR:O	1:E:373:GLY:C[2_757]	1.40	0.80
1:B:68:TYR:O	1:E:373:GLY:CA[2_757]	1.40	0.80
1:B:83:ARG:N	1:E:350:ASN:C[2_757]	1.40	0.80
1:B:102:ASN:CG	1:E:30:LYS:N[2_757]	1.40	0.80
1:B:141:LYS:CD	1:E:29:LYS:CA[2_757]	1.40	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:277:ASP:CB	1:E:2:PHE:N[2_757]	1.40	0.80
1:B:361:LEU:CD2	1:D:178:SER:C[2_858]	1.40	0.80
1:B:364:ALA:CA	1:D:175:TYR:CZ[2_858]	1.40	0.80
1:B:376:THR:N	1:C:134:HIS:CD2[2_858]	1.40	0.80
1:B:407:LYS:CD	1:D:144:ASP:C[2_858]	1.40	0.80
1:C:388:ARG:NH2	1:C:391:TYR:CZ[2_958]	1.40	0.80
1:D:6:LYS:CB	1:E:310:ALA:O[2_757]	1.40	0.80
1:D:39:ASP:CA	1:E:292:LEU:O[2_757]	1.40	0.80
1:D:185:TYR:OH	1:F:387:GLU:OE2[2_757]	1.40	0.80
1:D:186:ASN:C	1:F:390:ALA:CA[2_757]	1.40	0.80
1:D:205:LYS:CA	3:F:1601:NDP:C1D[2_757]	1.40	0.80
1:D:211:LEU:N	1:F:327:THR:OG1[2_757]	1.40	0.80
1:D:229:PHE:CD2	1:F:394:THR:CB[2_757]	1.40	0.80
1:D:243:GLN:OE1	1:F:72:ILE:O[2_757]	1.40	0.80
1:D:267:PHE:CD2	1:F:322:GLN:NE2[2_757]	1.40	0.80
1:D:296:ILE:C	1:E:259:GLN:OE1[2_757]	1.40	0.80
1:D:298:VAL:N	1:E:262:LYS:CE[2_757]	1.40	0.80
1:D:330:ASN:ND2	1:E:241:PHE:CD2[2_757]	1.40	0.80
1:D:334:SER:C	1:E:208:ASN:C[2_757]	1.40	0.80
1:D:338:TRP:O	1:E:269:MET:CG[2_757]	1.40	0.80
1:D:342:LEU:CD1	1:E:131:ILE:CG1[2_757]	1.40	0.80
1:D:343:LEU:O	1:E:257:VAL:CG1[2_757]	1.40	0.80
1:D:350:ASN:O	1:F:253:ILE:CG1[2_757]	1.40	0.80
1:D:357:PHE:CZ	1:E:132:GLY:C[2_757]	1.40	0.80
1:D:357:PHE:CE1	1:E:133:ARG:CA[2_757]	1.40	0.80
1:D:359:ASN:CB	5:E:1517:HOH:O[2_757]	1.40	0.80
1:D:359:ASN:CG	5:E:1517:HOH:O[2_757]	1.40	0.80
1:D:379:LEU:CD2	1:E:238:LYS:CD[2_757]	1.40	0.80
1:D:405:LEU:CD1	1:E:107:THR:CB[2_757]	1.40	0.80
1:D:409:ILE:C	1:E:136:HIS:N[2_757]	1.40	0.80
1:D:409:ILE:CG2	1:E:135:ALA:CB[2_757]	1.40	0.80
1:E:50:ARG:CG	1:E:149:GLY:N[2_657]	1.40	0.80
1:E:56:LYS:CG	1:F:158:LYS:CA[2_657]	1.40	0.80
1:E:85:LYS:CA	1:F:225:PHE:CA[2_657]	1.40	0.80
1:A:20:THR:O	1:B:158:LYS:CD[2_757]	1.41	0.79
1:A:35:TYR:O	1:E:171:LYS:CD[2_657]	1.41	0.79
1:A:83:ARG:CG	1:A:146:LEU:CA[2_757]	1.41	0.79
1:A:85:LYS:C	1:B:188:ASP:OD1[2_757]	1.41	0.79
1:A:216:THR:CG2	1:E:5:ILE:CB[2_757]	1.41	0.79
1:A:216:THR:CB	1:E:5:ILE:N[2_757]	1.41	0.79
1:A:254:ASP:OD1	1:E:3:SER:CB[2_757]	1.41	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:260:MET:C	1:C:348:LEU:CD1[2_858]	1.41	0.79
1:A:269:MET:N	1:C:350:ASN:C[2_858]	1.41	0.79
1:A:326:GLU:CA	1:F:303:LYS:CB[2_657]	1.41	0.79
1:A:367:ASN:C	1:F:58:THR:OG1[2_657]	1.41	0.79
1:A:372:ASP:CG	1:F:96:PRO:CD[2_657]	1.41	0.79
1:A:399:ASP:CA	1:F:102:ASN:C[2_657]	1.41	0.79
1:A:407:LYS:NZ	1:E:217:ILE:CG2[2_657]	1.41	0.79
1:B:163:THR:C	5:A:1107:HOH:O[2_757]	1.41	0.79
1:B:18:GLU:O	1:C:236:GLN:CB[2_858]	1.41	0.79
1:B:22:ILE:CD1	1:C:233:TYR:CA[2_858]	1.41	0.79
1:B:26:LYS:N	1:C:231:GLU:CG[2_858]	1.41	0.79
1:B:47:VAL:C	1:E:343:LEU:CG[2_757]	1.41	0.79
1:B:63:GLU:O	1:E:397:PHE:CE1[2_757]	1.41	0.79
1:B:65:ILE:CG1	1:E:368:THR:CB[2_757]	1.41	0.79
1:B:83:ARG:NE	1:E:352:PRO:C[2_757]	1.41	0.79
1:B:101:ARG:O	1:E:402:GLU:CB[2_757]	1.41	0.79
1:B:103:ILE:O	1:E:399:ASP:N[2_757]	1.41	0.79
1:B:278:VAL:CA	1:E:2:PHE:CD1[2_757]	1.41	0.79
1:B:285:GLN:C	1:C:304:THR:OG1[2_858]	1.41	0.79
1:B:290:LEU:CB	1:C:301:ASP:N[2_858]	1.41	0.79
1:B:317:HIS:C	1:C:199:PHE:C[2_858]	1.41	0.79
1:B:324:GLY:C	1:C:247:HIS:O[2_858]	1.41	0.79
1:B:374:ILE:CB	1:C:138:ASP:CG[2_858]	1.41	0.79
1:B:374:ILE:N	1:C:138:ASP:CB[2_858]	1.41	0.79
1:B:375:MET:O	1:C:134:HIS:CA[2_858]	1.41	0.79
1:B:379:LEU:CD2	1:C:105:GLY:C[2_858]	1.41	0.79
1:B:398:LEU:CG	1:C:228:ILE:CB[2_858]	1.41	0.79
1:B:409:ILE:N	1:C:168:GLN:OE1[2_858]	1.41	0.79
1:C:157:TYR:CA	5:B:1205:HOH:O[2_858]	1.41	0.79
1:C:317:HIS:O	1:C:320:LYS:CA[2_958]	1.41	0.79
1:D:6:LYS:CD	1:E:311:HIS:CA[2_757]	1.41	0.79
1:D:7:VAL:N	5:E:1510:HOH:O[2_757]	1.41	0.79
1:D:23:ILE:CB	1:E:206:LYS:N[2_757]	1.41	0.79
1:D:26:LYS:CE	1:E:204:ASP:OD1[2_757]	1.41	0.79
1:D:27:ILE:CB	1:E:268:ILE:CD1[2_757]	1.41	0.79
1:D:34:PRO:O	1:E:297:LEU:N[2_757]	1.41	0.79
1:D:109:PHE:CD1	3:F:1601:NDP:C2B[2_757]	1.41	0.79
1:D:115:ILE:CB	1:E:230:GLN:CD[2_757]	1.41	0.79
1:D:186:ASN:O	1:F:389:SER:O[2_757]	1.41	0.79
1:D:188:ASP:C	1:F:375:MET:N[2_757]	1.41	0.79
1:D:191:ILE:O	1:F:376:THR:N[2_757]	1.41	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:206:LYS:CD	1:F:76:THR:C[2_757]	1.41	0.79
1:D:207:LEU:C	1:F:18:GLU:CG[2_757]	1.41	0.79
1:D:228:ILE:CA	1:F:396:GLU:C[2_757]	1.41	0.79
1:D:236:GLN:CB	1:F:335:ILE:CB[2_757]	1.41	0.79
1:D:246:ILE:CG1	1:F:17:ASP:O[2_757]	1.41	0.79
1:D:268:ILE:O	1:F:317:HIS:C[2_757]	1.41	0.79
1:D:297:LEU:O	1:E:262:LYS:CB[2_757]	1.41	0.79
1:D:332:ILE:CD1	1:E:233:TYR:CE1[2_757]	1.41	0.79
1:D:336:PHE:CB	1:E:210:PHE:CA[2_757]	1.41	0.79
1:D:345:ARG:NE	1:E:282:ILE:CG2[2_757]	1.41	0.79
1:D:351:THR:N	1:E:278:VAL:CG1[2_757]	1.41	0.79
1:D:358:ALA:O	1:E:271:LEU:N[2_757]	1.41	0.79
1:D:364:ALA:O	1:E:195:ALA:CA[2_757]	1.41	0.79
1:D:398:LEU:CD1	1:E:203:ILE:C[2_757]	1.41	0.79
1:E:243:GLN:CG	5:D:1411:HOH:O[2_757]	1.41	0.79
1:E:55:ASP:N	1:F:157:TYR:CZ[2_657]	1.41	0.79
1:E:82:ALA:C	1:F:227:ASP:CB[2_657]	1.41	0.79
1:E:84:VAL:C	1:F:224:ARG:O[2_657]	1.41	0.79
1:E:90:HIS:CA	1:E:180:VAL:C[2_657]	1.41	0.79
1:E:99:THR:CG2	1:F:166:GLN:CD[2_657]	1.41	0.79
1:A:17:ASP:OD2	1:A:153:LEU:CD2[2_757]	1.42	0.78
1:A:60:ASP:OD2	1:B:145:THR:N[2_757]	1.42	0.78
1:A:65:ILE:N	1:A:157:TYR:CZ[2_757]	1.42	0.78
1:A:68:TYR:N	1:A:165:ALA:CB[2_757]	1.42	0.78
1:A:101:ARG:CG	1:B:171:LYS:CG[2_757]	1.42	0.78
1:A:123:PRO:CA	1:C:13:GLU:N[2_858]	1.42	0.78
1:A:150:PRO:CB	1:A:322:GLN:OE1[2_757]	1.42	0.78
1:A:163:THR:N	1:A:345:ARG:CZ[2_757]	1.42	0.78
1:A:214:LYS:CD	1:E:4:LYS:N[2_757]	1.42	0.78
1:A:286:GLY:C	1:C:10:PRO:CG[2_858]	1.42	0.78
1:A:365:THR:OG1	1:F:59:GLN:NE2[2_657]	1.42	0.78
1:A:383:CYS:N	1:F:41:LYS:C[2_657]	1.42	0.78
1:A:384:GLY:O	1:F:40:LEU:CB[2_657]	1.42	0.78
1:A:388:ARG:NH2	1:F:305:PHE:CG[2_657]	1.42	0.78
1:A:390:ALA:N	1:F:72:ILE:CG1[2_657]	1.42	0.78
1:A:397:PHE:CD1	1:F:62:ALA:CA[2_657]	1.42	0.78
1:A:406:GLN:CG	1:F:141:LYS:CA[2_657]	1.42	0.78
1:B:170:LEU:CD2	4:A:1102:AKG:C5[2_757]	1.42	0.78
1:B:22:ILE:CG2	1:C:232:VAL:C[2_858]	1.42	0.78
1:B:23:ILE:N	1:C:232:VAL:CA[2_858]	1.42	0.78
1:B:47:VAL:C	1:E:343:LEU:CD2[2_757]	1.42	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:50:ARG:CZ	1:E:358:ALA:CB[2_757]	1.42	0.78
1:B:55:ASP:CG	1:E:338:TRP:C[2_757]	1.42	0.78
1:B:60:ASP:CG	1:E:332:ILE:C[2_757]	1.42	0.78
1:B:63:GLU:C	1:E:397:PHE:CE2[2_757]	1.42	0.78
1:B:65:ILE:CB	1:E:368:THR:CG2[2_757]	1.42	0.78
1:B:67:LYS:NZ	1:E:379:LEU:CA[2_757]	1.42	0.78
1:B:84:VAL:O	1:E:348:LEU:N[2_757]	1.42	0.78
1:B:319:ARG:CA	1:C:203:ILE:CB[2_858]	1.42	0.78
1:B:320:LYS:CG	1:C:202:ALA:CA[2_858]	1.42	0.78
1:B:325:GLU:CD	1:C:207:LEU:O[2_858]	1.42	0.78
1:B:360:ILE:O	1:D:147:ILE:CG2[2_858]	1.42	0.78
1:B:396:GLU:C	1:C:225:PHE:CG[2_858]	1.42	0.78
1:B:403:LYS:NZ	1:C:218:LEU:CB[2_858]	1.42	0.78
1:B:411:SER:N	1:C:168:GLN:O[2_858]	1.42	0.78
1:C:206:LYS:N	5:B:1208:HOH:O[2_858]	1.42	0.78
1:C:64:ALA:CB	5:B:1224:HOH:O[2_858]	1.42	0.78
1:C:314:VAL:C	1:C:323:LYS:CD[2_958]	1.42	0.78
1:C:317:HIS:C	1:C:320:LYS:CA[2_958]	1.42	0.78
1:D:10:PRO:CB	1:E:284:ALA:O[2_757]	1.42	0.78
1:D:24:TRP:CH2	1:E:266:GLY:C[2_757]	1.42	0.78
1:D:74:CYS:CB	1:E:127:LYS:CE[2_757]	1.42	0.78
1:D:199:PHE:CE1	1:F:23:ILE:CD1[2_757]	1.42	0.78
1:D:200:LYS:CA	1:F:311:HIS:CG[2_757]	1.42	0.78
1:D:201:LEU:CG	3:F:1601:NDP:O5B[2_757]	1.42	0.78
1:D:202:ALA:CA	1:F:313:THR:O[2_757]	1.42	0.78
1:D:202:ALA:CA	1:F:314:VAL:N[2_757]	1.42	0.78
1:D:205:LYS:C	3:F:1601:NDP:O4D[2_757]	1.42	0.78
1:D:228:ILE:O	1:F:398:LEU:N[2_757]	1.42	0.78
1:D:238:LYS:CG	1:F:25:ASP:N[2_757]	1.42	0.78
1:D:246:ILE:O	1:F:21:ARG:CG[2_757]	1.42	0.78
1:D:260:MET:CE	1:F:323:LYS:NZ[2_757]	1.42	0.78
1:D:328:SER:N	1:E:243:GLN:NE2[2_757]	1.42	0.78
1:D:354:LEU:O	1:E:276:GLY:CA[2_757]	1.42	0.78
1:D:356:LYS:CD	1:E:274:TYR:CB[2_757]	1.42	0.78
1:D:356:LYS:O	1:E:272:LYS:N[2_757]	1.42	0.78
1:D:365:THR:C	1:E:199:PHE:CZ[2_757]	1.42	0.78
1:D:403:LYS:CG	1:E:300:PRO:O[2_757]	1.42	0.78
1:E:51:ASP:C	1:E:175:TYR:CD2[2_657]	1.42	0.78
1:E:62:ALA:N	1:F:163:THR:CA[2_657]	1.42	0.78
1:E:90:HIS:N	1:E:180:VAL:CG2[2_657]	1.42	0.78
1:E:90:HIS:NE2	1:E:181:ALA:C[2_657]	1.42	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:9:GLN:CG	1:A:163:THR:O[2_757]	1.43	0.77
1:A:43:TYR:CD2	1:A:170:LEU:CD1[2_757]	1.43	0.77
1:A:65:ILE:CA	1:A:157:TYR:CE2[2_757]	1.43	0.77
1:A:66:LYS:C	1:B:149:GLY:O[2_757]	1.43	0.77
1:A:87:PHE:CD2	1:A:175:TYR:CG[2_757]	1.43	0.77
1:A:88:ASN:O	1:B:186:ASN:OD1[2_757]	1.43	0.77
1:A:101:ARG:NE	1:B:171:LYS:CG[2_757]	1.43	0.77
1:A:117:ARG:CG	1:F:44:ASP:CB[2_657]	1.43	0.77
1:A:124:ARG:NH1	1:C:306:GLU:CA[2_858]	1.43	0.77
1:A:160:SER:O	1:A:305:PHE:CD2[2_757]	1.43	0.77
1:A:210:PHE:C	1:C:350:ASN:OD1[2_858]	1.43	0.77
1:A:218:LEU:C	1:E:37:ASP:CB[2_757]	1.43	0.77
1:A:261:ILE:O	1:C:69:GLY:O[2_858]	1.43	0.77
1:A:315:THR:CB	1:B:165:ALA:CB[2_757]	1.43	0.77
1:A:369:VAL:O	1:F:45:LEU:CG[2_657]	1.43	0.77
1:A:371:GLN:N	1:F:50:ARG:CD[2_657]	1.43	0.77
1:A:382:ALA:N	1:F:41:LYS:CB[2_657]	1.43	0.77
1:A:387:GLU:CD	1:F:338:TRP:CZ3[2_657]	1.43	0.77
1:A:396:GLU:N	1:F:104:LEU:CB[2_657]	1.43	0.77
1:B:18:GLU:C	1:C:236:GLN:CB[2_858]	1.43	0.77
1:B:30:LYS:CB	5:C:1323:HOH:O[2_858]	1.43	0.77
1:B:40:LEU:O	1:E:116:PRO:CG[2_757]	1.43	0.77
1:B:41:LYS:N	1:E:370:GLN:NE2[2_757]	1.43	0.77
1:B:43:TYR:CD1	1:E:366:LEU:CD2[2_757]	1.43	0.77
1:B:63:GLU:OE2	1:E:331:SER:OG[2_757]	1.43	0.77
1:B:68:TYR:CE1	1:E:369:VAL:CG1[2_757]	1.43	0.77
1:B:83:ARG:CZ	1:E:352:PRO:CA[2_757]	1.43	0.77
1:B:83:ARG:NE	1:E:352:PRO:N[2_757]	1.43	0.77
1:B:85:LYS:CA	1:E:348:LEU:O[2_757]	1.43	0.77
1:B:89:LEU:O	1:E:348:LEU:CD1[2_757]	1.43	0.77
1:B:122:VAL:N	1:C:65:ILE:CA[2_858]	1.43	0.77
1:B:297:LEU:CG	1:E:403:LYS:CA[2_757]	1.43	0.77
1:B:306:GLU:OE2	1:E:404:ARG:O[2_757]	1.43	0.77
1:B:313:THR:OG1	1:E:356:LYS:CE[2_757]	1.43	0.77
1:B:314:VAL:CG1	1:C:200:LYS:CE[2_858]	1.43	0.77
1:B:317:HIS:CE1	1:C:197:SER:C[2_858]	1.43	0.77
1:B:320:LYS:N	1:C:203:ILE:CG1[2_858]	1.43	0.77
1:B:322:GLN:O	1:C:241:PHE:C[2_858]	1.43	0.77
1:B:356:LYS:CE	1:C:162:PRO:CG[2_858]	1.43	0.77
1:B:378:ASP:CA	1:C:107:THR:CA[2_858]	1.43	0.77
1:B:406:GLN:CA	1:D:145:THR:OG1[2_858]	1.43	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:11:VAL:N	1:E:283:VAL:O[2_757]	1.43	0.77
1:D:13:GLU:CG	1:E:128:PRO:N[2_757]	1.43	0.77
1:D:14:LEU:CD2	1:E:126:GLU:CA[2_757]	1.43	0.77
1:D:14:LEU:O	1:E:127:LYS:CD[2_757]	1.43	0.77
1:D:31:LEU:CA	1:E:109:PHE:CD1[2_757]	1.43	0.77
1:D:31:LEU:CA	1:E:109:PHE:CE1[2_757]	1.43	0.77
1:D:72:ILE:O	1:E:266:GLY:N[2_757]	1.43	0.77
1:D:118:ILE:CG1	1:E:234:GLU:CD[2_757]	1.43	0.77
1:D:192:GLU:OE2	1:F:369:VAL:CG2[2_757]	1.43	0.77
1:D:207:LEU:O	1:F:18:GLU:CB[2_757]	1.43	0.77
1:D:208:ASN:CB	1:F:318:TYR:CZ[2_757]	1.43	0.77
1:D:230:GLN:OE1	1:F:26:LYS:CE[2_757]	1.43	0.77
1:D:244:LEU:CA	1:F:16:GLY:CA[2_757]	1.43	0.77
1:D:256:MET:CA	1:F:323:LYS:CA[2_757]	1.43	0.77
1:D:271:LEU:CG	1:F:320:LYS:CD[2_757]	1.43	0.77
1:D:294:THR:OG1	1:E:251:ARG:NE[2_757]	1.43	0.77
1:D:296:ILE:CG1	1:E:259:GLN:C[2_757]	1.43	0.77
1:D:302:GLY:CA	1:F:284:ALA:O[2_757]	1.43	0.77
1:D:303:LYS:NZ	1:F:287:PHE:CD2[2_757]	1.43	0.77
1:D:341:GLY:N	1:E:269:MET:SD[2_757]	1.43	0.77
1:F:391:TYR:CZ	5:D:1406:HOH:O[2_757]	1.43	0.77
1:F:120:ARG:C	5:D:1450:HOH:O[2_757]	1.43	0.77
1:E:47:VAL:O	1:E:178:SER:CB[2_657]	1.43	0.77
1:E:52:ALA:CA	1:E:175:TYR:CG[2_657]	1.43	0.77
1:E:53:THR:CB	1:E:150:PRO:C[2_657]	1.43	0.77
1:E:61:ALA:CB	1:F:161:ASP:OD2[2_657]	1.43	0.77
1:A:10:PRO:C	1:A:166:GLN:CG[2_757]	1.44	0.76
1:A:11:VAL:CA	1:A:167:PRO:CD[2_757]	1.44	0.76
1:A:12:VAL:CA	1:A:167:PRO:O[2_757]	1.44	0.76
1:A:20:THR:OG1	1:B:158:LYS:CG[2_757]	1.44	0.76
1:A:43:TYR:CE2	1:B:145:THR:CB[2_757]	1.44	0.76
1:A:45:LEU:CD2	1:A:155:LEU:CG[2_757]	1.44	0.76
1:A:48:GLU:CD	1:A:173:TYR:CD2[2_757]	1.44	0.76
1:A:49:SER:OG	1:B:143:THR:OG1[2_757]	1.44	0.76
1:A:59:GLN:CD	1:A:185:TYR:CA[2_757]	1.44	0.76
1:A:148:PRO:C	1:A:319:ARG:NH2[2_757]	1.44	0.76
1:A:219:LYS:CA	1:E:37:ASP:O[2_757]	1.44	0.76
1:A:269:MET:CB	1:C:349:ASP:C[2_858]	1.44	0.76
1:A:287:PHE:O	1:C:39:ASP:OD1[2_858]	1.44	0.76
1:A:312:GLY:O	1:B:167:PRO:CB[2_757]	1.44	0.76
1:A:315:THR:N	1:B:166:GLN:N[2_757]	1.44	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:316:ARG:C	1:B:163:THR:N[2_757]	1.44	0.76
1:A:378:ASP:CA	1:F:68:TYR:CE1[2_657]	1.44	0.76
1:A:388:ARG:CZ	1:F:305:PHE:CB[2_657]	1.44	0.76
1:A:390:ALA:N	1:F:72:ILE:N[2_657]	1.44	0.76
1:A:396:GLU:OE1	1:F:297:LEU:O[2_657]	1.44	0.76
1:A:401:VAL:CG2	1:F:103:ILE:CG1[2_657]	1.44	0.76
1:B:11:VAL:C	1:E:371:GLN:N[2_757]	1.44	0.76
1:B:67:LYS:CD	1:E:375:MET:CB[2_757]	1.44	0.76
1:B:83:ARG:CG	1:E:351:THR:CA[2_757]	1.44	0.76
1:B:88:ASN:OD1	1:E:348:LEU:CD2[2_757]	1.44	0.76
1:B:118:ILE:O	1:C:99:THR:O[2_858]	1.44	0.76
1:B:119:PRO:N	1:C:100:ILE:CA[2_858]	1.44	0.76
1:B:121:LEU:CD1	1:C:304:THR:CG2[2_858]	1.44	0.76
1:B:123:PRO:O	1:C:60:ASP:C[2_858]	1.44	0.76
1:B:322:GLN:CG	1:C:241:PHE:N[2_858]	1.44	0.76
1:B:325:GLU:C	1:C:209:LEU:CA[2_858]	1.44	0.76
1:B:329:THR:CG2	1:C:196:HIS:N[2_858]	1.44	0.76
1:B:353:ALA:C	1:C:164:THR:N[2_858]	1.44	0.76
1:B:405:LEU:CB	1:D:146:LEU:CA[2_858]	1.44	0.76
1:C:317:HIS:ND1	1:C:325:GLU:CA[2_958]	1.44	0.76
1:D:8:LYS:CG	1:F:258:ALA:CA[2_757]	1.44	0.76
1:D:34:PRO:CA	1:E:296:ILE:C[2_757]	1.44	0.76
1:D:35:TYR:CE1	1:E:107:THR:O[2_757]	1.44	0.76
1:D:69:GLY:CA	1:E:122:VAL:CG2[2_757]	1.44	0.76
1:D:70:VAL:C	1:E:125:TRP:NE1[2_757]	1.44	0.76
1:D:71:GLY:N	1:E:125:TRP:CE2[2_757]	1.44	0.76
1:D:118:ILE:CB	1:E:234:GLU:CD[2_757]	1.44	0.76
1:D:136:HIS:CD2	1:F:385:ASN:C[2_757]	1.44	0.76
1:D:138:ASP:CG	1:F:388:ARG:CA[2_757]	1.44	0.76
1:D:185:TYR:CE1	1:F:387:GLU:OE1[2_757]	1.44	0.76
1:D:195:ALA:CB	1:F:376:THR:CG2[2_757]	1.44	0.76
1:D:197:SER:O	3:F:1601:NDP:C4A[2_757]	1.44	0.76
1:D:200:LYS:O	1:F:311:HIS:ND1[2_757]	1.44	0.76
1:D:212:SER:O	1:F:326:GLU:N[2_757]	1.44	0.76
1:D:231:GLU:CA	1:F:398:LEU:CB[2_757]	1.44	0.76
1:D:237:TYR:OH	1:F:333:ALA:N[2_757]	1.44	0.76
1:D:237:TYR:CE2	5:F:1604:HOH:O[2_757]	1.44	0.76
1:D:241:PHE:CE2	1:F:19:MET:C[2_757]	1.44	0.76
1:D:243:GLN:CG	1:F:14:LEU:O[2_757]	1.44	0.76
1:D:244:LEU:CD1	1:F:75:ALA:O[2_757]	1.44	0.76
1:D:248:TYR:OH	1:F:395:GLU:OE2[2_757]	1.44	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:252:LEU:O	1:F:324:GLY:O[2_757]	1.44	0.76
1:D:268:ILE:C	1:F:318:TYR:N[2_757]	1.44	0.76
1:D:298:VAL:CB	1:F:285:GLN:OE1[2_757]	1.44	0.76
1:D:301:ASP:OD1	1:F:288:GLY:CA[2_757]	1.44	0.76
1:D:333:ALA:C	1:E:208:ASN:CA[2_757]	1.44	0.76
1:D:334:SER:N	1:E:208:ASN:C[2_757]	1.44	0.76
1:D:344:LYS:CD	1:E:257:VAL:CA[2_757]	1.44	0.76
1:D:349:ASP:CA	1:F:257:VAL:CB[2_757]	1.44	0.76
1:D:357:PHE:CG	1:E:133:ARG:CA[2_757]	1.44	0.76
1:D:358:ALA:CA	1:E:271:LEU:CA[2_757]	1.44	0.76
1:D:362:GLU:OE1	1:E:211:LEU:O[2_757]	1.44	0.76
1:D:365:THR:C	1:E:199:PHE:CE2[2_757]	1.44	0.76
1:D:366:LEU:CA	1:E:229:PHE:O[2_757]	1.44	0.76
1:D:367:ASN:CG	1:E:228:ILE:CG2[2_757]	1.44	0.76
1:D:376:THR:O	1:E:239:SER:N[2_757]	1.44	0.76
1:D:401:VAL:C	1:E:196:HIS:O[2_757]	1.44	0.76
1:D:408:GLU:OE2	1:E:191:ILE:C[2_757]	1.44	0.76
1:F:121:LEU:N	5:D:1450:HOH:O[2_757]	1.44	0.76
1:E:62:ALA:CB	1:F:162:PRO:O[2_657]	1.44	0.76
1:E:84:VAL:CA	1:F:224:ARG:CA[2_657]	1.44	0.76
1:E:86:GLU:CB	1:F:228:ILE:CB[2_657]	1.44	0.76
1:A:9:GLN:C	1:A:166:GLN:NE2[2_757]	1.45	0.75
1:A:13:GLU:O	1:A:168:GLN:C[2_757]	1.45	0.75
1:A:46:SER:CA	1:A:153:LEU:CB[2_757]	1.45	0.75
1:A:53:THR:N	1:B:142:ALA:N[2_757]	1.45	0.75
1:A:54:SER:C	1:B:184:MET:CE[2_757]	1.45	0.75
1:A:60:ASP:CG	1:B:145:THR:N[2_757]	1.45	0.75
1:A:66:LYS:CA	1:B:149:GLY:C[2_757]	1.45	0.75
1:A:79:PRO:N	1:A:145:THR:CA[2_757]	1.45	0.75
1:A:104:LEU:CB	1:B:174:ASP:C[2_757]	1.45	0.75
1:A:263:SER:N	1:C:70:VAL:CG2[2_858]	1.45	0.75
1:A:268:ILE:C	1:C:351:THR:N[2_858]	1.45	0.75
1:A:287:PHE:CB	1:C:39:ASP:CB[2_858]	1.45	0.75
1:A:332:ILE:CA	1:F:63:GLU:CD[2_657]	1.45	0.75
1:B:25:ASP:O	1:C:231:GLU:OE1[2_858]	1.45	0.75
1:B:31:LEU:CG	1:C:224:ARG:NH2[2_858]	1.45	0.75
1:B:39:ASP:OD2	1:E:117:ARG:C[2_757]	1.45	0.75
1:B:50:ARG:NH1	1:E:358:ALA:CA[2_757]	1.45	0.75
1:B:50:ARG:NH1	1:E:358:ALA:N[2_757]	1.45	0.75
1:B:56:LYS:CA	1:E:336:PHE:C[2_757]	1.45	0.75
1:B:64:ALA:O	1:E:374:ILE:O[2_757]	1.45	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:83:ARG:CD	1:E:352:PRO:CA[2_757]	1.45	0.75
1:B:91:LYS:CD	1:E:11:VAL:CG1[2_757]	1.45	0.75
1:B:103:ILE:C	1:E:398:LEU:O[2_757]	1.45	0.75
1:B:305:PHE:O	1:E:372:ASP:OD2[2_757]	1.45	0.75
1:B:320:LYS:CB	1:C:202:ALA:CB[2_858]	1.45	0.75
1:B:323:LYS:CB	1:C:246:ILE:CB[2_858]	1.45	0.75
1:B:326:GLU:OE2	1:C:269:MET:CA[2_858]	1.45	0.75
1:B:360:ILE:CG1	1:C:157:TYR:OH[2_858]	1.45	0.75
1:B:360:ILE:CB	1:C:157:TYR:CZ[2_858]	1.45	0.75
1:B:370:GLN:O	1:C:141:LYS:N[2_858]	1.45	0.75
1:B:373:GLY:CA	1:C:137:GLY:O[2_858]	1.45	0.75
1:B:392:VAL:CA	1:C:271:LEU:O[2_858]	1.45	0.75
1:B:404:ARG:C	1:D:145:THR:O[2_858]	1.45	0.75
1:C:19:MET:CB	1:C:323:LYS:NZ[2_958]	1.45	0.75
1:C:317:HIS:ND1	1:C:325:GLU:CG[2_958]	1.45	0.75
1:C:319:ARG:N	1:C:319:ARG:CA[2_958]	1.45	0.75
1:D:2:PHE:CG	1:E:100:ILE:CG2[2_757]	1.45	0.75
1:D:25:ASP:C	1:E:205:LYS:CG[2_757]	1.45	0.75
1:D:33:LEU:CA	1:E:109:PHE:O[2_757]	1.45	0.75
1:D:35:TYR:CB	1:E:108:VAL:C[2_757]	1.45	0.75
1:D:109:PHE:CZ	3:F:1601:NDP:O2B[2_757]	1.45	0.75
1:D:197:SER:C	3:F:1601:NDP:C5A[2_757]	1.45	0.75
1:D:204:ASP:O	3:F:1601:NDP:C2N[2_757]	1.45	0.75
1:D:204:ASP:N	1:F:312:GLY:C[2_757]	1.45	0.75
1:D:205:LYS:O	3:F:1601:NDP:O3D[2_757]	1.45	0.75
1:D:207:LEU:CB	1:F:18:GLU:CD[2_757]	1.45	0.75
1:D:207:LEU:CA	1:F:18:GLU:CD[2_757]	1.45	0.75
1:D:231:GLU:OE1	1:F:401:VAL:N[2_757]	1.45	0.75
1:D:267:PHE:CE2	1:F:322:GLN:NE2[2_757]	1.45	0.75
1:D:269:MET:N	1:F:316:ARG:O[2_757]	1.45	0.75
1:D:311:HIS:CD2	1:E:247:HIS:ND1[2_757]	1.45	0.75
1:D:364:ALA:C	1:E:195:ALA:CB[2_757]	1.45	0.75
1:D:404:ARG:CA	1:E:193:GLY:CA[2_757]	1.45	0.75
1:D:411:SER:CA	1:E:136:HIS:CG[2_757]	1.45	0.75
1:E:50:ARG:O	1:E:147:ILE:CG2[2_657]	1.45	0.75
1:E:59:GLN:CG	1:F:167:PRO:N[2_657]	1.45	0.75
1:E:62:ALA:N	1:F:162:PRO:C[2_657]	1.45	0.75
1:A:13:GLU:C	1:A:168:GLN:O[2_757]	1.46	0.74
1:A:49:SER:CB	1:A:172:VAL:C[2_757]	1.46	0.74
1:A:50:ARG:C	1:B:184:MET:C[2_757]	1.46	0.74
1:A:52:ALA:CB	1:B:141:LYS:CB[2_757]	1.46	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:64:ALA:CB	1:A:168:GLN:NE2[2_757]	1.46	0.74
1:A:66:LYS:NZ	1:B:177:GLY:CA[2_757]	1.46	0.74
1:A:70:VAL:O	1:A:159:PRO:CD[2_757]	1.46	0.74
1:A:70:VAL:N	1:A:159:PRO:CB[2_757]	1.46	0.74
1:A:70:VAL:CG2	1:A:162:PRO:CG[2_757]	1.46	0.74
1:A:85:LYS:CA	1:B:188:ASP:CG[2_757]	1.46	0.74
1:A:87:PHE:C	1:B:187:THR:CB[2_757]	1.46	0.74
1:A:87:PHE:O	1:B:187:THR:CB[2_757]	1.46	0.74
1:A:89:LEU:CB	1:A:180:VAL:CG2[2_757]	1.46	0.74
1:A:90:HIS:CG	1:B:138:ASP:CG[2_757]	1.46	0.74
1:A:94:LYS:O	1:A:143:THR:C[2_757]	1.46	0.74
1:A:97:ASN:CA	1:B:171:LYS:C[2_757]	1.46	0.74
1:A:99:THR:O	1:B:173:TYR:CB[2_757]	1.46	0.74
1:A:103:ILE:N	1:B:173:TYR:CE1[2_757]	1.46	0.74
1:A:115:ILE:CG2	1:F:57:ILE:CG1[2_657]	1.46	0.74
1:A:123:PRO:CG	1:C:12:VAL:CG1[2_858]	1.46	0.74
1:A:125:TRP:CZ3	1:C:10:PRO:O[2_858]	1.46	0.74
1:A:150:PRO:C	1:A:318:TYR:CE2[2_757]	1.46	0.74
1:A:158:LYS:CD	1:A:307:SER:O[2_757]	1.46	0.74
1:A:160:SER:CA	1:A:305:PHE:N[2_757]	1.46	0.74
1:A:215:ASN:CB	1:E:6:LYS:CD[2_757]	1.46	0.74
1:A:219:LYS:NZ	1:E:7:VAL:CG2[2_757]	1.46	0.74
1:A:260:MET:CG	1:C:345:ARG:NH2[2_858]	1.46	0.74
1:A:260:MET:N	1:C:348:LEU:CD2[2_858]	1.46	0.74
1:A:267:PHE:C	1:C:351:THR:CA[2_858]	1.46	0.74
1:A:371:GLN:N	1:F:50:ARG:CG[2_657]	1.46	0.74
1:A:376:THR:OG1	1:F:64:ALA:CA[2_657]	1.46	0.74
1:A:389:SER:C	1:F:72:ILE:CA[2_657]	1.46	0.74
1:A:391:TYR:CZ	1:F:70:VAL:N[2_657]	1.46	0.74
1:B:17:ASP:CG	1:E:359:ASN:ND2[2_757]	1.46	0.74
1:B:25:ASP:C	1:C:231:GLU:OE1[2_858]	1.46	0.74
1:B:45:LEU:CD1	1:E:362:GLU:CA[2_757]	1.46	0.74
1:B:55:ASP:CB	1:E:339:SER:N[2_757]	1.46	0.74
1:B:59:GLN:NE2	1:E:27:ILE:CG1[2_757]	1.46	0.74
1:B:66:LYS:NZ	1:E:396:GLU:N[2_757]	1.46	0.74
1:B:71:GLY:C	1:E:404:ARG:NH1[2_757]	1.46	0.74
1:B:77:ILE:CA	1:E:356:LYS:CA[2_757]	1.46	0.74
1:B:93:TRP:CE2	1:E:342:LEU:N[2_757]	1.46	0.74
1:B:101:ARG:CD	1:E:35:TYR:OH[2_757]	1.46	0.74
1:B:310:ALA:N	1:E:410:LYS:O[2_757]	1.46	0.74
1:B:314:VAL:O	1:C:200:LYS:CG[2_858]	1.46	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:318:TYR:CD1	1:C:237:TYR:CA[2_858]	1.46	0.74
1:B:326:GLU:OE2	1:C:268:ILE:C[2_858]	1.46	0.74
1:B:352:PRO:CA	1:C:161:ASP:OD1[2_858]	1.46	0.74
1:B:359:ASN:ND2	1:C:160:SER:CB[2_858]	1.46	0.74
1:B:360:ILE:C	1:D:147:ILE:CG2[2_858]	1.46	0.74
1:B:365:THR:O	1:C:186:ASN:C[2_858]	1.46	0.74
1:B:365:THR:C	1:C:187:THR:N[2_858]	1.46	0.74
1:B:377:LYS:NZ	1:C:109:PHE:CB[2_858]	1.46	0.74
1:B:378:ASP:CB	1:C:107:THR:N[2_858]	1.46	0.74
1:B:383:CYS:CB	1:C:101:ARG:NE[2_858]	1.46	0.74
1:B:387:GLU:CB	1:C:280:SER:CB[2_858]	1.46	0.74
1:B:391:TYR:CG	1:C:132:GLY:C[2_858]	1.46	0.74
1:B:391:TYR:CE1	1:C:132:GLY:O[2_858]	1.46	0.74
1:B:398:LEU:O	1:C:224:ARG:CB[2_858]	1.46	0.74
1:B:401:VAL:O	1:D:180:VAL:CB[2_858]	1.46	0.74
1:B:407:LYS:N	1:D:145:THR:CA[2_858]	1.46	0.74
1:C:317:HIS:N	1:C:320:LYS:O[2_958]	1.46	0.74
1:D:9:GLN:OE1	1:E:285:GLN:CD[2_757]	1.46	0.74
1:D:11:VAL:CG2	1:E:283:VAL:CB[2_757]	1.46	0.74
1:D:37:ASP:CA	1:E:310:ALA:CB[2_757]	1.46	0.74
1:D:65:ILE:N	1:E:123:PRO:C[2_757]	1.46	0.74
1:D:65:ILE:CD1	1:E:124:ARG:C[2_757]	1.46	0.74
1:D:104:LEU:CD1	1:E:124:ARG:NE[2_757]	1.46	0.74
1:D:109:PHE:N	3:F:1601:NDP:O1X[2_757]	1.46	0.74
1:D:109:PHE:CZ	3:F:1601:NDP:C1B[2_757]	1.46	0.74
1:D:196:HIS:O	3:F:1601:NDP:N6A[2_757]	1.46	0.74
1:D:212:SER:O	1:F:326:GLU:CB[2_757]	1.46	0.74
1:D:241:PHE:CG	1:F:21:ARG:N[2_757]	1.46	0.74
1:D:242:GLU:CD	5:F:1636:HOH:O[2_757]	1.46	0.74
1:D:248:TYR:CB	1:F:22:ILE:CG2[2_757]	1.46	0.74
1:D:301:ASP:CG	1:F:287:PHE:O[2_757]	1.46	0.74
1:D:351:THR:O	1:E:278:VAL:CA[2_757]	1.46	0.74
1:D:354:LEU:O	1:E:275:ASP:C[2_757]	1.46	0.74
1:D:355:CYS:O	1:E:275:ASP:CB[2_757]	1.46	0.74
1:D:359:ASN:N	1:E:271:LEU:CA[2_757]	1.46	0.74
1:E:237:TYR:C	5:D:1420:HOH:O[2_757]	1.46	0.74
1:E:89:LEU:CD1	1:F:224:ARG:NE[2_657]	1.46	0.74
1:E:89:LEU:CD2	1:F:188:ASP:CG[2_657]	1.46	0.74
1:E:91:LYS:CG	1:E:145:THR:O[2_657]	1.46	0.74
1:E:93:TRP:NE1	1:E:147:ILE:N[2_657]	1.46	0.74
1:A:13:GLU:N	1:A:168:GLN:N[2_757]	1.47	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:45:LEU:CD1	1:A:155:LEU:CA[2_757]	1.47	0.73
1:A:57:ILE:N	1:B:182:MET:CB[2_757]	1.47	0.73
1:A:66:LYS:N	1:B:149:GLY:O[2_757]	1.47	0.73
1:A:68:TYR:CB	1:A:165:ALA:CA[2_757]	1.47	0.73
1:A:75:ALA:O	1:B:156:VAL:C[2_757]	1.47	0.73
1:A:79:PRO:C	1:A:145:THR:C[2_757]	1.47	0.73
1:A:111:GLU:CG	1:C:6:LYS:CG[2_858]	1.47	0.73
1:A:124:ARG:N	1:C:12:VAL:O[2_858]	1.47	0.73
1:A:161:ASP:CA	1:A:348:LEU:CD1[2_757]	1.47	0.73
1:A:246:ILE:CD1	1:C:356:LYS:NZ[2_858]	1.47	0.73
1:A:267:PHE:O	1:C:351:THR:OG1[2_858]	1.47	0.73
1:A:313:THR:C	1:B:167:PRO:CA[2_757]	1.47	0.73
1:A:326:GLU:N	1:F:303:LYS:CA[2_657]	1.47	0.73
1:A:378:ASP:N	1:F:68:TYR:CD1[2_657]	1.47	0.73
1:A:395:GLU:CB	1:F:104:LEU:O[2_657]	1.47	0.73
1:A:398:LEU:N	1:F:104:LEU:N[2_657]	1.47	0.73
1:A:399:ASP:N	1:F:103:ILE:N[2_657]	1.47	0.73
1:B:46:SER:CA	1:E:359:ASN:CG[2_757]	1.47	0.73
1:B:50:ARG:CZ	1:E:358:ALA:CA[2_757]	1.47	0.73
1:B:63:GLU:C	1:E:397:PHE:CE1[2_757]	1.47	0.73
1:B:84:VAL:C	1:E:348:LEU:C[2_757]	1.47	0.73
1:B:94:LYS:CB	1:E:32:ILE:CG2[2_757]	1.47	0.73
1:B:261:ILE:C	1:C:67:LYS:CD[2_858]	1.47	0.73
1:B:285:GLN:O	1:C:304:THR:CG2[2_858]	1.47	0.73
1:B:287:PHE:CG	1:C:66:LYS:CD[2_858]	1.47	0.73
1:B:308:GLU:CB	1:E:408:GLU:CA[2_757]	1.47	0.73
1:B:315:THR:OG1	1:E:356:LYS:NZ[2_757]	1.47	0.73
1:B:323:LYS:CB	1:C:246:ILE:CG1[2_858]	1.47	0.73
1:B:327:THR:N	1:C:209:LEU:CD1[2_858]	1.47	0.73
1:B:329:THR:C	1:C:194:PHE:C[2_858]	1.47	0.73
1:B:329:THR:CB	1:C:195:ALA:C[2_858]	1.47	0.73
1:B:360:ILE:CD1	1:C:157:TYR:CD2[2_858]	1.47	0.73
1:B:363:SER:CA	1:D:175:TYR:CD1[2_858]	1.47	0.73
1:B:368:THR:O	1:C:138:ASP:N[2_858]	1.47	0.73
1:B:386:ASN:OD1	1:C:295:SER:C[2_858]	1.47	0.73
1:B:390:ALA:CB	1:C:133:ARG:CD[2_858]	1.47	0.73
1:B:395:GLU:O	1:C:226:LYS:N[2_858]	1.47	0.73
1:C:178:SER:OG	1:F:372:ASP:C[2_757]	1.47	0.73
1:C:316:ARG:CG	1:C:322:GLN:C[2_958]	1.47	0.73
1:C:317:HIS:O	1:C:320:LYS:CB[2_958]	1.47	0.73
1:D:2:PHE:CE1	1:E:100:ILE:C[2_757]	1.47	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:68:TYR:CB	1:E:286:GLY:O[2_757]	1.47	0.73
1:D:118:ILE:N	1:E:234:GLU:CD[2_757]	1.47	0.73
1:D:186:ASN:OD1	1:F:391:TYR:N[2_757]	1.47	0.73
1:D:200:LYS:CA	1:F:311:HIS:CE1[2_757]	1.47	0.73
1:D:202:ALA:CB	1:F:313:THR:O[2_757]	1.47	0.73
1:D:233:TYR:CE1	1:F:23:ILE:C[2_757]	1.47	0.73
1:D:268:ILE:O	1:F:318:TYR:C[2_757]	1.47	0.73
1:D:269:MET:CG	1:F:319:ARG:C[2_757]	1.47	0.73
1:D:301:ASP:N	1:F:289:SER:N[2_757]	1.47	0.73
1:D:303:LYS:CG	1:F:286:GLY:O[2_757]	1.47	0.73
1:D:334:SER:CA	1:E:208:ASN:C[2_757]	1.47	0.73
1:D:357:PHE:CD1	1:E:133:ARG:N[2_757]	1.47	0.73
1:D:360:ILE:O	1:E:194:PHE:CD1[2_757]	1.47	0.73
1:D:367:ASN:CG	1:E:228:ILE:CB[2_757]	1.47	0.73
1:D:397:PHE:CG	1:E:237:TYR:CD2[2_757]	1.47	0.73
1:D:400:ALA:CB	1:E:237:TYR:OH[2_757]	1.47	0.73
1:D:408:GLU:CG	1:E:191:ILE:C[2_757]	1.47	0.73
1:F:316:ARG:NH2	5:D:1418:HOH:O[2_757]	1.47	0.73
1:E:53:THR:CG2	1:E:149:GLY:O[2_657]	1.47	0.73
1:A:13:GLU:N	1:A:168:GLN:CA[2_757]	1.48	0.72
1:A:46:SER:C	1:A:153:LEU:CD1[2_757]	1.48	0.72
1:A:53:THR:CB	1:B:142:ALA:C[2_757]	1.48	0.72
1:A:56:LYS:C	1:B:182:MET:CA[2_757]	1.48	0.72
1:A:99:THR:CB	1:B:172:VAL:CG1[2_757]	1.48	0.72
1:A:104:LEU:CD1	1:B:151:GLY:C[2_757]	1.48	0.72
1:A:115:ILE:CD1	1:F:60:ASP:OD2[2_657]	1.48	0.72
1:A:120:ARG:CD	1:C:40:LEU:CA[2_858]	1.48	0.72
1:A:208:ASN:O	1:C:352:PRO:N[2_858]	1.48	0.72
1:A:318:TYR:O	1:B:161:ASP:CA[2_757]	1.48	0.72
1:A:318:TYR:CZ	1:B:160:SER:OG[2_757]	1.48	0.72
1:A:380:ALA:CB	1:F:12:VAL:C[2_657]	1.48	0.72
1:A:391:TYR:CD2	1:F:70:VAL:C[2_657]	1.48	0.72
1:A:392:VAL:CG1	1:F:306:GLU:CG[2_657]	1.48	0.72
1:A:398:LEU:O	1:F:103:ILE:N[2_657]	1.48	0.72
1:A:400:ALA:C	1:F:99:THR:C[2_657]	1.48	0.72
1:B:170:LEU:CD2	4:A:1102:AKG:O4[2_757]	1.48	0.72
1:B:18:GLU:CA	1:C:236:GLN:CB[2_858]	1.48	0.72
1:B:47:VAL:CA	1:E:343:LEU:CG[2_757]	1.48	0.72
1:B:49:SER:O	1:E:340:ARG:NE[2_757]	1.48	0.72
1:B:50:ARG:O	1:E:340:ARG:N[2_757]	1.48	0.72
1:B:55:ASP:CB	1:E:338:TRP:O[2_757]	1.48	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:60:ASP:OD1	1:E:332:ILE:C[2_757]	1.48	0.72
1:B:63:GLU:CA	1:E:397:PHE:CZ[2_757]	1.48	0.72
1:B:63:GLU:CA	1:E:397:PHE:CD2[2_757]	1.48	0.72
1:B:73:LYS:N	1:E:408:GLU:OE2[2_757]	1.48	0.72
1:B:82:ALA:C	1:E:350:ASN:O[2_757]	1.48	0.72
1:B:93:TRP:CZ2	1:E:341:GLY:C[2_757]	1.48	0.72
1:B:99:THR:N	1:E:31:LEU:C[2_757]	1.48	0.72
1:B:115:ILE:CD1	1:C:136:HIS:CD2[2_858]	1.48	0.72
1:B:277:ASP:OD2	1:E:2:PHE:N[2_757]	1.48	0.72
1:B:322:GLN:OE1	1:C:240:LYS:N[2_858]	1.48	0.72
1:B:333:ALA:N	1:C:189:GLU:CG[2_858]	1.48	0.72
1:B:379:LEU:O	1:C:135:ALA:CB[2_858]	1.48	0.72
1:B:388:ARG:NE	1:C:269:MET:O[2_858]	1.48	0.72
1:B:389:SER:C	1:C:276:GLY:O[2_858]	1.48	0.72
1:D:31:LEU:CB	1:E:109:PHE:CE1[2_757]	1.48	0.72
1:D:85:LYS:CB	1:D:86:GLU:N[2_858]	1.48	0.72
1:D:134:HIS:CB	1:F:377:LYS:CG[2_757]	1.48	0.72
1:D:188:ASP:O	1:F:375:MET:CA[2_757]	1.48	0.72
1:D:195:ALA:C	1:F:329:THR:C[2_757]	1.48	0.72
1:D:199:PHE:CD1	1:F:23:ILE:CG1[2_757]	1.48	0.72
1:D:200:LYS:CD	1:F:290:LEU:O[2_757]	1.48	0.72
1:D:296:ILE:CD1	1:E:259:GLN:CB[2_757]	1.48	0.72
1:D:301:ASP:CA	1:F:288:GLY:N[2_757]	1.48	0.72
1:D:305:PHE:CB	1:E:261:ILE:N[2_757]	1.48	0.72
1:D:338:TRP:CB	1:E:268:ILE:CA[2_757]	1.48	0.72
1:D:342:LEU:CD1	1:E:131:ILE:CD1[2_757]	1.48	0.72
1:D:354:LEU:N	1:E:278:VAL:N[2_757]	1.48	0.72
1:D:356:LYS:CA	1:E:272:LYS:O[2_757]	1.48	0.72
1:D:370:GLN:CB	1:E:231:GLU:CA[2_757]	1.48	0.72
1:E:49:SER:O	1:E:150:PRO:N[2_657]	1.48	0.72
1:E:56:LYS:N	1:F:157:TYR:CZ[2_657]	1.48	0.72
1:E:81:GLU:CA	5:F:1630:HOH:O[2_657]	1.48	0.72
1:E:87:PHE:CB	1:F:188:ASP:CB[2_657]	1.48	0.72
1:E:90:HIS:NE2	1:E:181:ALA:CA[2_657]	1.48	0.72
1:A:46:SER:O	1:A:153:LEU:CD1[2_757]	1.49	0.71
1:A:46:SER:C	1:A:153:LEU:CG[2_757]	1.49	0.71
1:A:51:ASP:CB	1:B:185:TYR:N[2_757]	1.49	0.71
1:A:56:LYS:CD	1:A:218:LEU:CG[2_757]	1.49	0.71
1:A:83:ARG:C	1:A:179:GLY:O[2_757]	1.49	0.71
1:A:83:ARG:NH2	1:A:148:PRO:CD[2_757]	1.49	0.71
1:A:92:MET:CE	1:B:220:LYS:CA[2_757]	1.49	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:119:PRO:CB	1:C:42:TYR:CB[2_858]	1.49	0.71
1:A:123:PRO:N	1:C:12:VAL:C[2_858]	1.49	0.71
1:A:124:ARG:CB	1:C:71:GLY:C[2_858]	1.49	0.71
1:A:141:LYS:CD	1:A:141:LYS:CD[2_757]	1.49	0.71
1:A:160:SER:OG	1:A:304:THR:CA[2_757]	1.49	0.71
1:A:162:PRO:CA	1:A:345:ARG:NH1[2_757]	1.49	0.71
1:A:264:LYS:NZ	1:C:337:ALA:C[2_858]	1.49	0.71
1:A:318:TYR:C	1:B:161:ASP:N[2_757]	1.49	0.71
1:A:365:THR:CA	1:F:59:GLN:CG[2_657]	1.49	0.71
1:A:384:GLY:N	1:F:40:LEU:C[2_657]	1.49	0.71
1:A:387:GLU:OE1	1:F:338:TRP:CD2[2_657]	1.49	0.71
1:A:391:TYR:CD1	1:F:70:VAL:CA[2_657]	1.49	0.71
1:B:26:LYS:C	1:C:231:GLU:OE2[2_858]	1.49	0.71
1:B:50:ARG:O	1:E:340:ARG:CB[2_757]	1.49	0.71
1:B:56:LYS:CB	1:E:337:ALA:N[2_757]	1.49	0.71
1:B:67:LYS:NZ	1:E:379:LEU:CB[2_757]	1.49	0.71
1:B:68:TYR:N	1:E:374:ILE:CA[2_757]	1.49	0.71
1:B:73:LYS:CE	1:E:360:ILE:O[2_757]	1.49	0.71
1:B:101:ARG:C	1:E:402:GLU:CG[2_757]	1.49	0.71
1:B:135:ALA:CB	1:E:406:GLN:CD[2_757]	1.49	0.71
1:B:261:ILE:CA	1:C:67:LYS:CD[2_858]	1.49	0.71
1:B:323:LYS:C	1:C:246:ILE:CA[2_858]	1.49	0.71
1:B:329:THR:CB	1:C:196:HIS:CA[2_858]	1.49	0.71
1:B:332:ILE:CB	1:C:190:SER:N[2_858]	1.49	0.71
1:B:352:PRO:N	1:C:163:THR:OG1[2_858]	1.49	0.71
1:B:353:ALA:N	1:C:163:THR:CA[2_858]	1.49	0.71
1:B:357:PHE:CE1	1:D:148:PRO:CB[2_858]	1.49	0.71
1:B:361:LEU:CB	1:D:178:SER:CA[2_858]	1.49	0.71
1:B:362:GLU:CB	1:D:177:GLY:N[2_858]	1.49	0.71
1:B:368:THR:N	1:C:186:ASN:N[2_858]	1.49	0.71
1:B:373:GLY:N	1:C:139:GLN:N[2_858]	1.49	0.71
1:B:388:ARG:C	1:C:131:ILE:CG2[2_858]	1.49	0.71
1:B:390:ALA:CA	1:C:277:ASP:N[2_858]	1.49	0.71
1:B:405:LEU:CB	1:D:147:ILE:N[2_858]	1.49	0.71
1:C:317:HIS:CA	1:C:320:LYS:O[2_958]	1.49	0.71
1:C:319:ARG:CD	1:C:319:ARG:CD[2_958]	1.49	0.71
1:D:2:PHE:CG	1:E:100:ILE:CB[2_757]	1.49	0.71
1:D:2:PHE:CD1	1:E:100:ILE:C[2_757]	1.49	0.71
1:D:3:SER:O	1:E:101:ARG:CZ[2_757]	1.49	0.71
1:D:5:ILE:CA	1:E:110:ARG:NH1[2_757]	1.49	0.71
1:D:6:LYS:CE	1:E:312:GLY:N[2_757]	1.49	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:8:LYS:N	1:E:281:ASP:CB[2_757]	1.49	0.71
1:D:14:LEU:C	1:E:127:LYS:CB[2_757]	1.49	0.71
1:D:33:LEU:O	1:E:296:ILE:N[2_757]	1.49	0.71
1:D:35:TYR:CG	1:E:108:VAL:C[2_757]	1.49	0.71
1:D:37:ASP:OD2	1:E:311:HIS:N[2_757]	1.49	0.71
1:D:40:LEU:CB	1:E:112:PRO:C[2_757]	1.49	0.71
1:D:84:VAL:C	1:D:85:LYS:CA[2_858]	1.49	0.71
1:D:136:HIS:C	1:F:386:ASN:CA[2_757]	1.49	0.71
1:D:137:GLY:N	1:F:386:ASN:C[2_757]	1.49	0.71
1:D:138:ASP:CA	1:F:388:ARG:N[2_757]	1.49	0.71
1:D:189:GLU:C	1:F:375:MET:SD[2_757]	1.49	0.71
1:D:196:HIS:CD2	1:F:330:ASN:ND2[2_757]	1.49	0.71
1:D:197:SER:C	3:F:1601:NDP:C2A[2_757]	1.49	0.71
1:D:200:LYS:CB	1:F:311:HIS:CG[2_757]	1.49	0.71
1:D:206:LYS:CB	1:F:76:THR:C[2_757]	1.49	0.71
1:D:206:LYS:NZ	1:F:78:THR:OG1[2_757]	1.49	0.71
1:D:237:TYR:CZ	5:F:1604:HOH:O[2_757]	1.49	0.71
1:D:238:LYS:O	1:F:24:TRP:CD1[2_757]	1.49	0.71
1:D:241:PHE:CE2	1:F:20:THR:N[2_757]	1.49	0.71
1:D:306:GLU:C	1:E:263:SER:OG[2_757]	1.49	0.71
1:D:356:LYS:N	1:E:275:ASP:CA[2_757]	1.49	0.71
1:D:376:THR:CG2	1:E:240:LYS:CB[2_757]	1.49	0.71
1:D:376:THR:O	1:E:239:SER:CA[2_757]	1.49	0.71
1:D:376:THR:CG2	1:E:240:LYS:CA[2_757]	1.49	0.71
1:D:407:LYS:NZ	1:E:300:PRO:CA[2_757]	1.49	0.71
1:E:51:ASP:O	1:E:175:TYR:CE2[2_657]	1.49	0.71
1:E:52:ALA:CA	1:E:175:TYR:CB[2_657]	1.49	0.71
1:E:61:ALA:C	1:F:163:THR:N[2_657]	1.49	0.71
1:E:89:LEU:O	1:E:180:VAL:CG2[2_657]	1.49	0.71
1:E:90:HIS:CA	1:E:180:VAL:CA[2_657]	1.49	0.71
1:E:99:THR:CA	1:F:166:GLN:OE1[2_657]	1.49	0.71
1:A:13:GLU:C	1:A:169:THR:CA[2_757]	1.50	0.70
1:A:14:LEU:CB	1:A:156:VAL:N[2_757]	1.50	0.70
1:A:15:ASP:O	1:A:154:GLU:C[2_757]	1.50	0.70
1:A:17:ASP:O	1:B:158:LYS:CB[2_757]	1.50	0.70
1:A:43:TYR:C	1:A:170:LEU:N[2_757]	1.50	0.70
1:A:44:ASP:OD1	1:A:172:VAL:N[2_757]	1.50	0.70
1:A:50:ARG:O	1:B:184:MET:N[2_757]	1.50	0.70
1:A:54:SER:OG	1:B:139:GLN:N[2_757]	1.50	0.70
1:A:56:LYS:N	1:B:182:MET:CG[2_757]	1.50	0.70
1:A:67:LYS:CB	1:B:148:PRO:C[2_757]	1.50	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:69:GLY:C	1:A:159:PRO:CB[2_757]	1.50	0.70
1:A:77:ILE:CB	1:A:147:ILE:CD1[2_757]	1.50	0.70
1:A:80:ASP:O	1:A:146:LEU:CG[2_757]	1.50	0.70
1:A:91:LYS:O	1:B:221:TYR:CD2[2_757]	1.50	0.70
1:A:92:MET:SD	1:B:220:LYS:CA[2_757]	1.50	0.70
1:A:100:ILE:CG2	1:B:153:LEU:CA[2_757]	1.50	0.70
1:A:124:ARG:CG	1:C:71:GLY:O[2_858]	1.50	0.70
1:A:314:VAL:N	1:B:167:PRO:CA[2_757]	1.50	0.70
1:A:319:ARG:CG	1:B:164:THR:CB[2_757]	1.50	0.70
1:A:319:ARG:CB	1:B:164:THR:CB[2_757]	1.50	0.70
1:A:379:LEU:CB	1:F:43:TYR:CE1[2_657]	1.50	0.70
1:B:21:ARG:N	1:C:236:GLN:OE1[2_858]	1.50	0.70
1:B:39:ASP:CG	1:E:117:ARG:CA[2_757]	1.50	0.70
1:B:41:LYS:CE	1:E:118:ILE:N[2_757]	1.50	0.70
1:B:69:GLY:C	1:E:372:ASP:CB[2_757]	1.50	0.70
1:B:78:THR:O	1:E:354:LEU:N[2_757]	1.50	0.70
1:B:93:TRP:CD2	1:E:341:GLY:C[2_757]	1.50	0.70
1:B:118:ILE:CB	1:C:102:ASN:CA[2_858]	1.50	0.70
1:B:119:PRO:N	1:C:100:ILE:O[2_858]	1.50	0.70
1:B:123:PRO:CG	1:C:61:ALA:C[2_858]	1.50	0.70
1:B:135:ALA:CA	1:E:406:GLN:NE2[2_757]	1.50	0.70
1:B:323:LYS:CB	1:C:246:ILE:CG2[2_858]	1.50	0.70
1:B:326:GLU:CA	1:C:209:LEU:CB[2_858]	1.50	0.70
1:B:332:ILE:CG1	1:C:190:SER:N[2_858]	1.50	0.70
1:B:358:ALA:O	1:D:149:GLY:C[2_858]	1.50	0.70
1:B:366:LEU:O	1:C:185:TYR:CE1[2_858]	1.50	0.70
1:B:375:MET:C	1:C:134:HIS:CA[2_858]	1.50	0.70
1:B:380:ALA:CA	1:C:108:VAL:CG2[2_858]	1.50	0.70
1:B:382:ALA:CA	1:C:297:LEU:CD2[2_858]	1.50	0.70
1:B:406:GLN:O	1:D:145:THR:CB[2_858]	1.50	0.70
1:B:409:ILE:CB	1:C:168:GLN:OE1[2_858]	1.50	0.70
1:C:317:HIS:NE2	1:C:324:GLY:O[2_958]	1.50	0.70
1:D:11:VAL:O	1:E:287:PHE:CD1[2_757]	1.50	0.70
1:D:11:VAL:C	1:E:287:PHE:CE1[2_757]	1.50	0.70
1:D:14:LEU:C	1:E:127:LYS:CG[2_757]	1.50	0.70
1:D:14:LEU:N	1:E:127:LYS:N[2_757]	1.50	0.70
1:D:23:ILE:C	1:E:205:LYS:CA[2_757]	1.50	0.70
1:D:23:ILE:O	1:E:205:LYS:C[2_757]	1.50	0.70
1:D:33:LEU:O	1:E:295:SER:C[2_757]	1.50	0.70
1:D:85:LYS:CA	1:D:85:LYS:CA[2_858]	1.50	0.70
1:D:109:PHE:CB	3:F:1601:NDP:O3B[2_757]	1.50	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:127:LYS:CE	1:F:83:ARG:CD[2_757]	1.50	0.70
1:D:130:ILE:CG2	1:F:316:ARG:CB[2_757]	1.50	0.70
1:D:192:GLU:O	1:F:376:THR:OG1[2_757]	1.50	0.70
1:D:192:GLU:N	1:F:375:MET:CA[2_757]	1.50	0.70
1:D:208:ASN:C	1:F:318:TYR:CD1[2_757]	1.50	0.70
1:D:208:ASN:CA	1:F:18:GLU:CA[2_757]	1.50	0.70
1:D:224:ARG:O	1:F:396:GLU:CB[2_757]	1.50	0.70
1:D:231:GLU:C	1:F:398:LEU:CB[2_757]	1.50	0.70
1:D:232:VAL:CG1	1:F:331:SER:OG[2_757]	1.50	0.70
1:D:232:VAL:CB	1:F:331:SER:OG[2_757]	1.50	0.70
1:D:233:TYR:CD1	1:F:23:ILE:C[2_757]	1.50	0.70
1:D:301:ASP:OD2	1:F:287:PHE:O[2_757]	1.50	0.70
1:D:302:GLY:CA	1:F:285:GLN:CA[2_757]	1.50	0.70
1:D:327:THR:CA	1:E:243:GLN:NE2[2_757]	1.50	0.70
1:D:352:PRO:CG	1:E:274:TYR:CZ[2_757]	1.50	0.70
1:D:354:LEU:CB	1:E:279:GLN:N[2_757]	1.50	0.70
1:D:400:ALA:O	1:E:196:HIS:CB[2_757]	1.50	0.70
1:F:320:LYS:CB	5:D:1441:HOH:O[2_757]	1.50	0.70
1:E:89:LEU:C	1:E:180:VAL:CB[2_657]	1.50	0.70
1:A:2:PHE:CE2	1:E:170:LEU:CD1[2_657]	1.51	0.69
1:A:11:VAL:O	1:A:167:PRO:O[2_757]	1.51	0.69
1:A:19:MET:N	1:B:159:PRO:N[2_757]	1.51	0.69
1:A:48:GLU:C	1:B:185:TYR:CD2[2_757]	1.51	0.69
1:A:56:LYS:O	1:B:182:MET:CB[2_757]	1.51	0.69
1:A:60:ASP:N	1:B:181:ALA:CA[2_757]	1.51	0.69
1:A:71:GLY:N	1:A:159:PRO:N[2_757]	1.51	0.69
1:A:86:GLU:CG	1:A:178:SER:N[2_757]	1.51	0.69
1:A:96:PRO:CA	1:B:172:VAL:CG2[2_757]	1.51	0.69
1:A:122:VAL:C	1:C:12:VAL:CB[2_858]	1.51	0.69
1:A:216:THR:CG2	1:E:5:ILE:CG2[2_757]	1.51	0.69
1:A:269:MET:CG	1:C:349:ASP:CA[2_858]	1.51	0.69
1:A:315:THR:CA	1:B:165:ALA:C[2_757]	1.51	0.69
1:A:318:TYR:N	1:B:161:ASP:C[2_757]	1.51	0.69
1:A:326:GLU:C	1:F:303:LYS:C[2_657]	1.51	0.69
1:A:367:ASN:CG	1:F:55:ASP:CG[2_657]	1.51	0.69
1:A:397:PHE:N	1:F:104:LEU:CB[2_657]	1.51	0.69
1:A:398:LEU:O	1:F:102:ASN:O[2_657]	1.51	0.69
1:A:402:GLU:O	1:F:141:LYS:CE[2_657]	1.51	0.69
1:A:402:GLU:OE2	5:F:1640:HOH:O[2_657]	1.51	0.69
1:B:189:GLU:C	5:A:1129:HOH:O[2_757]	1.51	0.69
1:B:13:GLU:CA	1:E:367:ASN:OD1[2_757]	1.51	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:26:LYS:NZ	1:C:230:GLN:CB[2_858]	1.51	0.69
1:B:54:SER:CA	1:E:307:SER:OG[2_757]	1.51	0.69
1:B:55:ASP:OD2	1:E:338:TRP:CB[2_757]	1.51	0.69
1:B:57:ILE:O	1:E:336:PHE:CE1[2_757]	1.51	0.69
1:B:58:THR:CG2	1:E:361:LEU:CG[2_757]	1.51	0.69
1:B:67:LYS:CA	1:E:375:MET:CA[2_757]	1.51	0.69
1:B:80:ASP:CB	1:E:6:LYS:O[2_757]	1.51	0.69
1:B:81:GLU:CG	1:E:8:LYS:CB[2_757]	1.51	0.69
1:B:82:ALA:O	1:E:350:ASN:CB[2_757]	1.51	0.69
1:B:83:ARG:CA	1:E:351:THR:CA[2_757]	1.51	0.69
1:B:85:LYS:N	1:E:349:ASP:C[2_757]	1.51	0.69
1:B:96:PRO:N	1:E:357:PHE:CZ[2_757]	1.51	0.69
1:B:140:TYR:C	1:E:34:PRO:N[2_757]	1.51	0.69
1:B:219:LYS:CB	1:B:219:LYS:CB[2_757]	1.51	0.69
1:B:308:GLU:CG	1:E:407:LYS:C[2_757]	1.51	0.69
1:B:329:THR:OG1	1:C:196:HIS:CA[2_858]	1.51	0.69
1:B:330:ASN:CA	1:C:193:GLY:CA[2_858]	1.51	0.69
1:B:367:ASN:CB	1:C:185:TYR:CB[2_858]	1.51	0.69
1:B:376:THR:N	1:C:134:HIS:CB[2_858]	1.51	0.69
1:B:391:TYR:CZ	1:C:131:ILE:C[2_858]	1.51	0.69
1:B:404:ARG:NH2	1:C:184:MET:O[2_858]	1.51	0.69
1:C:317:HIS:ND1	1:C:325:GLU:CB[2_958]	1.51	0.69
1:C:388:ARG:CZ	1:C:391:TYR:CD1[2_958]	1.51	0.69
1:D:34:PRO:C	1:E:296:ILE:O[2_757]	1.51	0.69
1:D:35:TYR:CD1	1:E:108:VAL:C[2_757]	1.51	0.69
1:D:40:LEU:CB	1:E:112:PRO:CA[2_757]	1.51	0.69
1:D:113:ILE:CD1	1:E:249:GLU:CA[2_757]	1.51	0.69
1:D:136:HIS:C	1:F:385:ASN:O[2_757]	1.51	0.69
1:D:192:GLU:CG	1:F:374:ILE:O[2_757]	1.51	0.69
1:D:231:GLU:CG	1:F:398:LEU:C[2_757]	1.51	0.69
1:D:256:MET:CG	1:F:320:LYS:O[2_757]	1.51	0.69
1:D:301:ASP:CG	1:F:287:PHE:C[2_757]	1.51	0.69
1:D:302:GLY:C	1:F:284:ALA:C[2_757]	1.51	0.69
1:D:329:THR:CB	1:E:244:LEU:CG[2_757]	1.51	0.69
1:D:335:ILE:CG2	1:E:209:LEU:CD2[2_757]	1.51	0.69
1:D:348:LEU:N	1:F:282:ILE:CD1[2_757]	1.51	0.69
1:D:351:THR:O	1:E:278:VAL:CG2[2_757]	1.51	0.69
1:D:359:ASN:CA	5:E:1517:HOH:O[2_757]	1.51	0.69
1:D:366:LEU:CG	1:E:248:TYR:OH[2_757]	1.51	0.69
1:D:376:THR:O	1:E:239:SER:CB[2_757]	1.51	0.69
1:D:378:ASP:CB	1:E:242:GLU:CG[2_757]	1.51	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:379:LEU:CD1	1:E:238:LYS:CB[2_757]	1.51	0.69
1:D:397:PHE:CD1	1:E:237:TYR:CB[2_757]	1.51	0.69
1:D:405:LEU:CG	1:E:107:THR:OG1[2_757]	1.51	0.69
1:E:47:VAL:C	1:E:178:SER:N[2_657]	1.51	0.69
1:E:50:ARG:CA	1:E:149:GLY:N[2_657]	1.51	0.69
1:E:52:ALA:N	1:E:175:TYR:CD2[2_657]	1.51	0.69
1:E:57:ILE:N	1:F:159:PRO:CB[2_657]	1.51	0.69
1:A:3:SER:N	1:E:155:LEU:N[2_657]	1.52	0.68
1:A:16:GLY:N	1:A:154:GLU:CB[2_757]	1.52	0.68
1:A:18:GLU:O	1:B:158:LYS:O[2_757]	1.52	0.68
1:A:20:THR:CB	1:B:158:LYS:CG[2_757]	1.52	0.68
1:A:35:TYR:C	1:E:171:LYS:CD[2_657]	1.52	0.68
1:A:50:ARG:N	1:A:172:VAL:CG1[2_757]	1.52	0.68
1:A:63:GLU:OE2	1:A:186:ASN:O[2_757]	1.52	0.68
1:A:75:ALA:CA	1:B:156:VAL:CG1[2_757]	1.52	0.68
1:A:95:SER:N	1:A:143:THR:CA[2_757]	1.52	0.68
1:A:97:ASN:CA	1:B:172:VAL:N[2_757]	1.52	0.68
1:A:104:LEU:N	1:B:175:TYR:N[2_757]	1.52	0.68
1:A:120:ARG:N	1:C:41:LYS:C[2_858]	1.52	0.68
1:A:216:THR:C	1:E:5:ILE:O[2_757]	1.52	0.68
1:A:256:MET:CE	1:C:348:LEU:CA[2_858]	1.52	0.68
1:A:266:GLY:CA	1:C:354:LEU:CB[2_858]	1.52	0.68
1:A:318:TYR:CE1	1:B:160:SER:OG[2_757]	1.52	0.68
1:A:318:TYR:C	1:B:161:ASP:CA[2_757]	1.52	0.68
1:A:326:GLU:CB	1:F:303:LYS:C[2_657]	1.52	0.68
1:A:326:GLU:OE2	1:F:305:PHE:CE2[2_657]	1.52	0.68
1:A:367:ASN:OD1	1:F:55:ASP:N[2_657]	1.52	0.68
1:A:376:THR:CG2	1:F:66:LYS:N[2_657]	1.52	0.68
1:B:14:LEU:CD1	1:E:364:ALA:CA[2_757]	1.52	0.68
1:B:62:ALA:CA	1:E:401:VAL:CG2[2_757]	1.52	0.68
1:B:70:VAL:O	1:E:367:ASN:O[2_757]	1.52	0.68
1:B:82:ALA:O	1:E:350:ASN:C[2_757]	1.52	0.68
1:B:83:ARG:CB	1:E:351:THR:C[2_757]	1.52	0.68
1:B:87:PHE:CE1	5:E:1521:HOH:O[2_757]	1.52	0.68
1:B:95:SER:CA	1:E:357:PHE:CD2[2_757]	1.52	0.68
1:B:97:ASN:CB	1:E:409:ILE:CD1[2_757]	1.52	0.68
1:B:104:LEU:CD1	1:E:400:ALA:C[2_757]	1.52	0.68
1:B:119:PRO:CD	1:C:100:ILE:C[2_858]	1.52	0.68
1:B:140:TYR:CB	1:E:34:PRO:CB[2_757]	1.52	0.68
1:B:141:LYS:CE	1:E:29:LYS:C[2_757]	1.52	0.68
1:B:290:LEU:CD2	1:C:301:ASP:CB[2_858]	1.52	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:298:VAL:C	1:E:403:LYS:CD[2_757]	1.52	0.68
1:B:313:THR:OG1	1:E:356:LYS:NZ[2_757]	1.52	0.68
1:B:314:VAL:N	1:C:200:LYS:NZ[2_858]	1.52	0.68
1:B:321:TYR:CB	1:C:241:PHE:CE1[2_858]	1.52	0.68
1:B:323:LYS:C	1:C:246:ILE:C[2_858]	1.52	0.68
1:B:325:GLU:C	1:C:209:LEU:N[2_858]	1.52	0.68
1:B:332:ILE:CA	1:C:189:GLU:O[2_858]	1.52	0.68
1:B:373:GLY:N	1:C:138:ASP:CA[2_858]	1.52	0.68
1:B:394:THR:O	1:C:229:PHE:CD1[2_858]	1.52	0.68
1:B:397:PHE:CD2	1:C:191:ILE:CG1[2_858]	1.52	0.68
1:B:407:LYS:CE	1:D:144:ASP:CB[2_858]	1.52	0.68
1:B:409:ILE:CG1	1:C:168:GLN:NE2[2_858]	1.52	0.68
1:C:85:LYS:NZ	1:C:88:ASN:CB[2_958]	1.52	0.68
1:C:314:VAL:C	1:C:323:LYS:CB[2_958]	1.52	0.68
1:D:8:LYS:CE	1:F:255:ASP:O[2_757]	1.52	0.68
1:D:34:PRO:CA	1:E:296:ILE:CA[2_757]	1.52	0.68
1:D:36:LEU:N	1:E:110:ARG:CG[2_757]	1.52	0.68
1:D:37:ASP:OD1	1:E:310:ALA:N[2_757]	1.52	0.68
1:D:64:ALA:O	1:E:123:PRO:N[2_757]	1.52	0.68
1:D:104:LEU:CG	1:E:124:ARG:CD[2_757]	1.52	0.68
1:D:115:ILE:CG2	1:E:230:GLN:O[2_757]	1.52	0.68
1:D:191:ILE:CG1	1:F:392:VAL:N[2_757]	1.52	0.68
1:D:203:ILE:N	1:F:312:GLY:O[2_757]	1.52	0.68
1:D:209:LEU:CD2	1:F:19:MET:CE[2_757]	1.52	0.68
1:D:231:GLU:C	1:F:398:LEU:CA[2_757]	1.52	0.68
1:D:233:TYR:N	1:F:398:LEU:CG[2_757]	1.52	0.68
1:D:233:TYR:CD1	1:F:23:ILE:CB[2_757]	1.52	0.68
1:D:236:GLN:O	1:F:334:SER:O[2_757]	1.52	0.68
1:D:238:LYS:C	1:F:24:TRP:CA[2_757]	1.52	0.68
1:D:248:TYR:C	1:F:22:ILE:CD1[2_757]	1.52	0.68
1:D:272:LYS:CD	1:F:326:GLU:OE2[2_757]	1.52	0.68
1:D:300:PRO:O	1:F:289:SER:N[2_757]	1.52	0.68
1:D:303:LYS:CB	1:F:286:GLY:CA[2_757]	1.52	0.68
1:D:317:HIS:CG	1:E:243:GLN:O[2_757]	1.52	0.68
1:D:330:ASN:OD1	1:E:233:TYR:OH[2_757]	1.52	0.68
1:D:336:PHE:N	1:E:209:LEU:C[2_757]	1.52	0.68
1:D:338:TRP:CD2	1:E:130:ILE:N[2_757]	1.52	0.68
1:D:355:CYS:N	1:E:275:ASP:CA[2_757]	1.52	0.68
1:D:362:GLU:CG	1:E:211:LEU:N[2_757]	1.52	0.68
1:D:371:GLN:CD	1:E:231:GLU:OE1[2_757]	1.52	0.68
1:D:397:PHE:CE1	1:E:237:TYR:CD1[2_757]	1.52	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:400:ALA:N	1:E:200:LYS:CE[2_757]	1.52	0.68
1:F:316:ARG:CZ	5:D:1418:HOH:O[2_757]	1.52	0.68
1:E:238:LYS:N	5:D:1420:HOH:O[2_757]	1.52	0.68
1:E:59:GLN:CD	1:F:167:PRO:CG[2_657]	1.52	0.68
1:E:86:GLU:CB	1:F:228:ILE:CG2[2_657]	1.52	0.68
1:E:93:TRP:CE3	1:E:146:LEU:C[2_657]	1.52	0.68
1:A:10:PRO:N	1:A:166:GLN:CG[2_757]	1.53	0.67
1:A:43:TYR:CA	1:A:170:LEU:CD2[2_757]	1.53	0.67
1:A:48:GLU:OE2	1:A:174:ASP:C[2_757]	1.53	0.67
1:A:55:ASP:O	1:B:182:MET:O[2_757]	1.53	0.67
1:A:83:ARG:O	1:A:179:GLY:CA[2_757]	1.53	0.67
1:A:87:PHE:N	1:A:178:SER:C[2_757]	1.53	0.67
1:A:88:ASN:ND2	1:B:189:GLU:C[2_757]	1.53	0.67
1:A:88:ASN:C	1:B:187:THR:N[2_757]	1.53	0.67
1:A:94:LYS:C	1:A:143:THR:CA[2_757]	1.53	0.67
1:A:120:ARG:CG	1:C:40:LEU:C[2_858]	1.53	0.67
1:A:124:ARG:NH1	1:C:305:PHE:C[2_858]	1.53	0.67
1:A:214:LYS:CE	1:E:3:SER:CA[2_757]	1.53	0.67
1:A:263:SER:OG	1:C:345:ARG:N[2_858]	1.53	0.67
1:A:326:GLU:N	1:F:303:LYS:CB[2_657]	1.53	0.67
1:A:366:LEU:N	1:F:59:GLN:CG[2_657]	1.53	0.67
1:A:367:ASN:OD1	1:F:55:ASP:CB[2_657]	1.53	0.67
1:A:369:VAL:CG2	1:F:58:THR:O[2_657]	1.53	0.67
1:A:380:ALA:CB	1:F:12:VAL:N[2_657]	1.53	0.67
1:B:12:VAL:CG1	1:E:367:ASN:N[2_757]	1.53	0.67
1:B:17:ASP:O	1:C:236:GLN:CD[2_858]	1.53	0.67
1:B:26:LYS:CE	1:C:230:GLN:N[2_858]	1.53	0.67
1:B:60:ASP:CA	1:E:332:ILE:CB[2_757]	1.53	0.67
1:B:70:VAL:CB	1:E:372:ASP:CA[2_757]	1.53	0.67
1:B:95:SER:C	1:E:357:PHE:CE1[2_757]	1.53	0.67
1:B:101:ARG:O	1:E:402:GLU:CD[2_757]	1.53	0.67
1:B:122:VAL:C	1:C:63:GLU:C[2_858]	1.53	0.67
1:B:123:PRO:O	1:C:60:ASP:O[2_858]	1.53	0.67
1:B:261:ILE:C	1:C:67:LYS:NZ[2_858]	1.53	0.67
1:B:326:GLU:OE2	1:C:268:ILE:O[2_858]	1.53	0.67
1:B:377:LYS:CD	1:C:109:PHE:CG[2_858]	1.53	0.67
1:B:378:ASP:CG	1:C:106:GLY:CA[2_858]	1.53	0.67
1:B:388:ARG:CB	1:C:131:ILE:CB[2_858]	1.53	0.67
1:B:389:SER:C	1:C:276:GLY:CA[2_858]	1.53	0.67
1:B:391:TYR:CB	1:C:134:HIS:N[2_858]	1.53	0.67
1:B:391:TYR:O	1:C:271:LEU:CB[2_858]	1.53	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:397:PHE:CD2	1:C:191:ILE:CA[2_858]	1.53	0.67
1:C:316:ARG:O	1:C:320:LYS:C[2_958]	1.53	0.67
1:D:4:LYS:N	1:E:308:GLU:OE2[2_757]	1.53	0.67
1:D:7:VAL:CB	1:E:280:SER:C[2_757]	1.53	0.67
1:D:11:VAL:CB	1:E:283:VAL:CG1[2_757]	1.53	0.67
1:D:13:GLU:N	1:E:287:PHE:CE2[2_757]	1.53	0.67
1:D:34:PRO:N	1:E:296:ILE:CG2[2_757]	1.53	0.67
1:D:65:ILE:C	1:E:122:VAL:C[2_757]	1.53	0.67
1:D:68:TYR:CG	1:E:121:LEU:N[2_757]	1.53	0.67
1:D:69:GLY:N	1:E:122:VAL:CB[2_757]	1.53	0.67
1:D:74:CYS:SG	1:E:127:LYS:NZ[2_757]	1.53	0.67
1:D:85:LYS:N	1:D:85:LYS:N[2_858]	1.53	0.67
1:D:113:ILE:CB	1:E:249:GLU:CA[2_757]	1.53	0.67
1:D:225:PHE:C	1:F:393:THR:CB[2_757]	1.53	0.67
1:D:231:GLU:CD	1:F:399:ASP:C[2_757]	1.53	0.67
1:D:295:SER:N	1:E:251:ARG:NH2[2_757]	1.53	0.67
1:D:335:ILE:CG2	1:E:209:LEU:CG[2_757]	1.53	0.67
1:D:344:LYS:NZ	1:E:254:ASP:O[2_757]	1.53	0.67
1:D:350:ASN:CG	1:F:253:ILE:CD1[2_757]	1.53	0.67
1:D:367:ASN:CA	1:E:228:ILE:O[2_757]	1.53	0.67
1:D:378:ASP:CB	1:E:242:GLU:OE1[2_757]	1.53	0.67
1:D:378:ASP:CG	1:E:238:LYS:O[2_757]	1.53	0.67
1:D:399:ASP:O	1:E:200:LYS:CE[2_757]	1.53	0.67
1:D:404:ARG:O	1:E:193:GLY:CA[2_757]	1.53	0.67
1:D:409:ILE:CG2	1:E:135:ALA:N[2_757]	1.53	0.67
1:D:409:ILE:CG1	1:E:106:GLY:O[2_757]	1.53	0.67
1:E:245:GLY:C	3:D:1401:NDP:N6A[2_757]	1.53	0.67
1:E:50:ARG:CB	1:E:148:PRO:O[2_657]	1.53	0.67
1:E:85:LYS:CB	1:F:226:LYS:N[2_657]	1.53	0.67
1:E:93:TRP:CD2	1:E:146:LEU:O[2_657]	1.53	0.67
1:E:93:TRP:CD2	1:E:147:ILE:CA[2_657]	1.53	0.67
1:A:21:ARG:CB	1:A:152:SER:OG[2_757]	1.54	0.66
1:A:29:LYS:CD	1:E:176:LYS:CB[2_657]	1.54	0.66
1:A:34:PRO:C	1:E:173:TYR:CA[2_657]	1.54	0.66
1:A:34:PRO:C	1:E:173:TYR:O[2_657]	1.54	0.66
1:A:35:TYR:C	1:E:171:LYS:CG[2_657]	1.54	0.66
1:A:51:ASP:OD1	1:B:185:TYR:O[2_757]	1.54	0.66
1:A:52:ALA:C	1:B:142:ALA:N[2_757]	1.54	0.66
1:A:65:ILE:C	1:A:157:TYR:CZ[2_757]	1.54	0.66
1:A:70:VAL:CA	1:A:159:PRO:CG[2_757]	1.54	0.66
1:A:93:TRP:CD1	1:B:221:TYR:CE1[2_757]	1.54	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:97:ASN:ND2	1:B:170:LEU:C[2_757]	1.54	0.66
1:A:101:ARG:N	1:B:173:TYR:C[2_757]	1.54	0.66
1:A:259:GLN:C	1:C:348:LEU:CG[2_858]	1.54	0.66
1:A:288:GLY:N	1:C:39:ASP:CG[2_858]	1.54	0.66
1:A:365:THR:CB	1:F:59:GLN:OE1[2_657]	1.54	0.66
1:A:367:ASN:CB	1:F:55:ASP:CB[2_657]	1.54	0.66
1:A:372:ASP:CG	1:F:96:PRO:CB[2_657]	1.54	0.66
1:A:381:LEU:C	1:F:41:LYS:CA[2_657]	1.54	0.66
1:A:381:LEU:C	1:F:41:LYS:N[2_657]	1.54	0.66
1:A:396:GLU:CA	1:F:104:LEU:CB[2_657]	1.54	0.66
1:A:402:GLU:CA	1:F:102:ASN:CG[2_657]	1.54	0.66
1:B:26:LYS:C	1:C:231:GLU:OE1[2_858]	1.54	0.66
1:B:49:SER:OG	1:E:340:ARG:NH2[2_757]	1.54	0.66
1:B:72:ILE:CG1	1:E:371:GLN:NE2[2_757]	1.54	0.66
1:B:76:THR:C	1:E:356:LYS:O[2_757]	1.54	0.66
1:B:120:ARG:CD	1:C:103:ILE:CG2[2_858]	1.54	0.66
1:B:121:LEU:CB	1:C:65:ILE:CG2[2_858]	1.54	0.66
1:B:122:VAL:CG2	1:C:64:ALA:O[2_858]	1.54	0.66
1:B:291:GLY:N	1:C:300:PRO:CB[2_858]	1.54	0.66
1:B:298:VAL:CB	1:E:403:LYS:NZ[2_757]	1.54	0.66
1:B:298:VAL:C	1:E:403:LYS:CE[2_757]	1.54	0.66
1:B:325:GLU:CD	1:C:207:LEU:CA[2_858]	1.54	0.66
1:B:325:GLU:CD	1:C:207:LEU:C[2_858]	1.54	0.66
1:B:365:THR:CB	1:C:187:THR:CB[2_858]	1.54	0.66
1:B:366:LEU:C	1:C:185:TYR:CD1[2_858]	1.54	0.66
1:B:369:VAL:CB	1:C:137:GLY:N[2_858]	1.54	0.66
1:B:374:ILE:CG1	1:C:138:ASP:CG[2_858]	1.54	0.66
1:B:392:VAL:O	1:C:194:PHE:CE1[2_858]	1.54	0.66
1:B:392:VAL:CG1	1:C:272:LYS:CB[2_858]	1.54	0.66
1:B:397:PHE:CE2	1:C:191:ILE:N[2_858]	1.54	0.66
1:B:401:VAL:CA	1:D:180:VAL:CG1[2_858]	1.54	0.66
1:B:402:GLU:N	1:D:180:VAL:CG1[2_858]	1.54	0.66
1:B:408:GLU:OE1	1:D:153:LEU:CD2[2_858]	1.54	0.66
1:B:409:ILE:C	1:C:168:GLN:CD[2_858]	1.54	0.66
1:C:317:HIS:O	1:C:320:LYS:CG[2_958]	1.54	0.66
1:C:319:ARG:N	1:C:319:ARG:CB[2_958]	1.54	0.66
1:D:3:SER:O	1:E:101:ARG:NH2[2_757]	1.54	0.66
1:D:7:VAL:N	1:E:281:ASP:OD2[2_757]	1.54	0.66
1:D:10:PRO:O	1:E:286:GLY:CA[2_757]	1.54	0.66
1:D:13:GLU:CG	1:E:128:PRO:CD[2_757]	1.54	0.66
1:D:27:ILE:O	1:E:201:LEU:CD1[2_757]	1.54	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:40:LEU:CG	1:E:112:PRO:CA[2_757]	1.54	0.66
1:D:63:GLU:O	1:E:123:PRO:CG[2_757]	1.54	0.66
1:D:100:ILE:CG2	1:E:264:LYS:CE[2_757]	1.54	0.66
1:D:109:PHE:CD1	3:F:1601:NDP:O2B[2_757]	1.54	0.66
1:D:134:HIS:CA	1:F:377:LYS:CE[2_757]	1.54	0.66
1:D:136:HIS:CD2	1:F:385:ASN:CB[2_757]	1.54	0.66
1:D:136:HIS:NE2	1:F:385:ASN:CG[2_757]	1.54	0.66
1:D:136:HIS:CB	1:F:385:ASN:O[2_757]	1.54	0.66
1:D:195:ALA:N	1:F:376:THR:CB[2_757]	1.54	0.66
1:D:203:ILE:CB	1:F:75:ALA:CB[2_757]	1.54	0.66
1:D:225:PHE:CE2	1:F:391:TYR:CD1[2_757]	1.54	0.66
1:D:231:GLU:N	1:F:398:LEU:CA[2_757]	1.54	0.66
1:D:239:SER:CB	1:F:338:TRP:CE2[2_757]	1.54	0.66
1:D:243:GLN:N	1:F:15:ASP:CB[2_757]	1.54	0.66
1:D:303:LYS:NZ	1:F:287:PHE:CG[2_757]	1.54	0.66
1:D:304:THR:O	1:F:121:LEU:CD1[2_757]	1.54	0.66
1:D:305:PHE:C	1:E:262:LYS:N[2_757]	1.54	0.66
1:D:306:GLU:N	1:E:262:LYS:C[2_757]	1.54	0.66
1:D:336:PHE:N	1:E:210:PHE:N[2_757]	1.54	0.66
1:D:353:ALA:CB	1:E:277:ASP:CG[2_757]	1.54	0.66
1:D:360:ILE:CD1	5:E:1520:HOH:O[2_757]	1.54	0.66
1:D:367:ASN:N	1:E:229:PHE:CA[2_757]	1.54	0.66
1:D:374:ILE:CB	1:E:236:GLN:CD[2_757]	1.54	0.66
1:D:397:PHE:CE1	1:E:237:TYR:CB[2_757]	1.54	0.66
1:D:404:ARG:C	1:E:193:GLY:CA[2_757]	1.54	0.66
1:D:405:LEU:N	1:E:193:GLY:C[2_757]	1.54	0.66
1:E:242:GLU:O	3:D:1401:NDP:C2A[2_757]	1.54	0.66
1:E:93:TRP:CG	1:E:147:ILE:N[2_657]	1.54	0.66
1:A:17:ASP:CB	1:A:152:SER:O[2_757]	1.55	0.65
1:A:18:GLU:CG	1:B:157:TYR:CE1[2_757]	1.55	0.65
1:A:28:LYS:CA	1:E:176:LYS:NZ[2_657]	1.55	0.65
1:A:42:TYR:C	1:A:170:LEU:CD2[2_757]	1.55	0.65
1:A:68:TYR:O	1:A:165:ALA:O[2_757]	1.55	0.65
1:A:73:LYS:CE	1:B:154:GLU:C[2_757]	1.55	0.65
1:A:80:ASP:OD1	1:A:146:LEU:CB[2_757]	1.55	0.65
1:A:87:PHE:O	1:B:187:THR:CG2[2_757]	1.55	0.65
1:A:92:MET:N	1:B:221:TYR:CG[2_757]	1.55	0.65
1:A:98:GLY:C	1:B:172:VAL:O[2_757]	1.55	0.65
1:A:100:ILE:C	1:B:173:TYR:O[2_757]	1.55	0.65
1:A:207:LEU:CA	1:C:352:PRO:C[2_858]	1.55	0.65
1:A:218:LEU:O	1:E:37:ASP:OD2[2_757]	1.55	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:256:MET:SD	1:C:347:GLU:O[2_858]	1.55	0.65
1:A:318:TYR:N	1:B:162:PRO:CA[2_757]	1.55	0.65
1:A:326:GLU:C	1:F:303:LYS:CA[2_657]	1.55	0.65
1:A:327:THR:C	1:F:304:THR:OG1[2_657]	1.55	0.65
1:A:374:ILE:CG2	1:F:100:ILE:CB[2_657]	1.55	0.65
1:A:385:ASN:ND2	1:F:13:GLU:CB[2_657]	1.55	0.65
1:A:396:GLU:C	1:F:104:LEU:CB[2_657]	1.55	0.65
1:A:400:ALA:C	1:F:99:THR:O[2_657]	1.55	0.65
1:B:10:PRO:CG	1:E:117:ARG:CD[2_757]	1.55	0.65
1:B:11:VAL:CA	1:E:371:GLN:N[2_757]	1.55	0.65
1:B:11:VAL:CG1	1:E:371:GLN:OE1[2_757]	1.55	0.65
1:B:12:VAL:O	1:E:367:ASN:CA[2_757]	1.55	0.65
1:B:14:LEU:CD1	1:E:364:ALA:C[2_757]	1.55	0.65
1:B:18:GLU:OE2	1:C:240:LYS:CE[2_858]	1.55	0.65
1:B:55:ASP:CA	1:E:338:TRP:C[2_757]	1.55	0.65
1:B:63:GLU:N	1:E:397:PHE:CE2[2_757]	1.55	0.65
1:B:68:TYR:N	1:E:374:ILE:O[2_757]	1.55	0.65
1:B:73:LYS:CA	1:E:408:GLU:CD[2_757]	1.55	0.65
1:B:83:ARG:CB	1:E:351:THR:CB[2_757]	1.55	0.65
1:B:95:SER:OG	1:E:357:PHE:CE1[2_757]	1.55	0.65
1:B:124:ARG:CG	5:C:1340:HOH:O[2_858]	1.55	0.65
1:B:284:ALA:CB	1:C:301:ASP:OD2[2_858]	1.55	0.65
1:B:306:GLU:CG	1:E:404:ARG:CB[2_757]	1.55	0.65
1:B:319:ARG:C	1:C:203:ILE:CB[2_858]	1.55	0.65
1:B:322:GLN:CB	1:C:240:LYS:C[2_858]	1.55	0.65
1:B:324:GLY:CA	1:C:247:HIS:C[2_858]	1.55	0.65
1:B:326:GLU:CG	1:C:268:ILE:O[2_858]	1.55	0.65
1:B:352:PRO:C	1:C:163:THR:N[2_858]	1.55	0.65
1:B:376:THR:CG2	1:C:194:PHE:CD1[2_858]	1.55	0.65
1:B:378:ASP:N	1:C:107:THR:N[2_858]	1.55	0.65
1:B:379:LEU:N	1:C:106:GLY:C[2_858]	1.55	0.65
1:B:391:TYR:CD2	1:C:133:ARG:CA[2_858]	1.55	0.65
1:B:396:GLU:CD	1:C:212:SER:O[2_858]	1.55	0.65
1:B:399:ASP:N	1:C:225:PHE:CA[2_858]	1.55	0.65
1:B:405:LEU:CB	1:D:146:LEU:C[2_858]	1.55	0.65
1:C:85:LYS:CE	1:C:88:ASN:N[2_958]	1.55	0.65
1:D:10:PRO:CD	1:E:285:GLN:CA[2_757]	1.55	0.65
1:D:11:VAL:CG2	1:E:283:VAL:CA[2_757]	1.55	0.65
1:D:25:ASP:O	1:E:205:LYS:CD[2_757]	1.55	0.65
1:D:30:LYS:O	1:E:109:PHE:CE2[2_757]	1.55	0.65
1:D:42:TYR:N	1:E:114:VAL:CB[2_757]	1.55	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:66:LYS:O	1:F:121:LEU:O[2_757]	1.55	0.65
1:D:118:ILE:CA	1:E:234:GLU:CD[2_757]	1.55	0.65
1:D:130:ILE:O	1:F:316:ARG:C[2_757]	1.55	0.65
1:D:196:HIS:C	1:F:330:ASN:CB[2_757]	1.55	0.65
1:D:207:LEU:CA	1:F:18:GLU:CG[2_757]	1.55	0.65
1:D:207:LEU:CG	1:F:18:GLU:OE1[2_757]	1.55	0.65
1:D:208:ASN:CB	1:F:318:TYR:CE1[2_757]	1.55	0.65
1:D:230:GLN:C	1:F:398:LEU:CB[2_757]	1.55	0.65
1:D:242:GLU:C	1:F:15:ASP:CA[2_757]	1.55	0.65
1:D:243:GLN:CA	1:F:14:LEU:C[2_757]	1.55	0.65
1:D:248:TYR:CG	1:F:22:ILE:CG2[2_757]	1.55	0.65
1:D:266:GLY:C	1:F:319:ARG:NH1[2_757]	1.55	0.65
1:D:334:SER:OG	1:E:208:ASN:N[2_757]	1.55	0.65
1:D:357:PHE:CG	1:E:133:ARG:CB[2_757]	1.55	0.65
1:D:358:ALA:C	1:E:271:LEU:N[2_757]	1.55	0.65
1:D:362:GLU:CB	1:E:211:LEU:CA[2_757]	1.55	0.65
1:D:369:VAL:CA	1:E:232:VAL:O[2_757]	1.55	0.65
1:D:378:ASP:CG	1:E:242:GLU:CG[2_757]	1.55	0.65
1:D:398:LEU:CB	1:E:200:LYS:C[2_757]	1.55	0.65
1:D:407:LYS:CE	1:E:300:PRO:CB[2_757]	1.55	0.65
1:D:408:GLU:N	1:E:190:SER:O[2_757]	1.55	0.65
1:E:50:ARG:CD	1:E:148:PRO:O[2_657]	1.55	0.65
1:E:53:THR:CG2	1:E:150:PRO:O[2_657]	1.55	0.65
1:E:92:MET:N	1:E:146:LEU:CG[2_657]	1.55	0.65
1:A:2:PHE:CG	1:E:155:LEU:CG[2_657]	1.56	0.64
1:A:36:LEU:N	1:E:174:ASP:OD1[2_657]	1.56	0.64
1:A:48:GLU:CB	1:A:173:TYR:CB[2_757]	1.56	0.64
1:A:51:ASP:CB	1:B:185:TYR:O[2_757]	1.56	0.64
1:A:52:ALA:CB	1:B:141:LYS:O[2_757]	1.56	0.64
1:A:54:SER:CA	1:B:184:MET:CE[2_757]	1.56	0.64
1:A:56:LYS:CA	1:B:182:MET:SD[2_757]	1.56	0.64
1:A:60:ASP:CB	1:B:145:THR:N[2_757]	1.56	0.64
1:A:60:ASP:N	1:B:181:ALA:N[2_757]	1.56	0.64
1:A:63:GLU:O	1:B:147:ILE:CA[2_757]	1.56	0.64
1:A:64:ALA:N	1:B:147:ILE:CB[2_757]	1.56	0.64
1:A:71:GLY:C	1:A:158:LYS:CB[2_757]	1.56	0.64
1:A:85:LYS:O	1:B:188:ASP:CA[2_757]	1.56	0.64
1:A:86:GLU:CA	1:A:178:SER:C[2_757]	1.56	0.64
1:A:89:LEU:CD2	1:B:186:ASN:O[2_757]	1.56	0.64
1:A:94:LYS:C	1:A:144:ASP:N[2_757]	1.56	0.64
1:A:100:ILE:N	1:B:172:VAL:C[2_757]	1.56	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:100:ILE:C	1:B:173:TYR:N[2_757]	1.56	0.64
1:A:104:LEU:CG	1:B:151:GLY:O[2_757]	1.56	0.64
1:A:105:GLY:N	1:B:174:ASP:O[2_757]	1.56	0.64
1:A:111:GLU:OE1	1:C:6:LYS:N[2_858]	1.56	0.64
1:A:118:ILE:CD1	1:F:43:TYR:CD2[2_657]	1.56	0.64
1:A:215:ASN:CG	1:E:6:LYS:CG[2_757]	1.56	0.64
1:A:216:THR:N	1:E:5:ILE:C[2_757]	1.56	0.64
1:A:256:MET:CE	1:C:347:GLU:O[2_858]	1.56	0.64
1:A:266:GLY:CA	1:C:354:LEU:CD2[2_858]	1.56	0.64
1:A:269:MET:CE	1:C:348:LEU:O[2_858]	1.56	0.64
1:A:269:MET:CG	1:C:350:ASN:N[2_858]	1.56	0.64
1:A:287:PHE:O	1:C:39:ASP:CG[2_858]	1.56	0.64
1:A:328:SER:CB	1:F:65:ILE:O[2_657]	1.56	0.64
1:A:369:VAL:C	1:F:45:LEU:CD2[2_657]	1.56	0.64
1:A:376:THR:N	1:F:61:ALA:O[2_657]	1.56	0.64
1:A:381:LEU:CD1	1:F:10:PRO:CA[2_657]	1.56	0.64
1:A:383:CYS:SG	1:F:42:TYR:CA[2_657]	1.56	0.64
1:A:384:GLY:O	1:F:40:LEU:CD1[2_657]	1.56	0.64
1:A:385:ASN:ND2	1:F:13:GLU:CD[2_657]	1.56	0.64
1:B:12:VAL:O	1:E:367:ASN:CB[2_757]	1.56	0.64
1:B:14:LEU:CD1	1:E:365:THR:N[2_757]	1.56	0.64
1:B:39:ASP:OD1	1:E:116:PRO:C[2_757]	1.56	0.64
1:B:55:ASP:CG	1:E:339:SER:N[2_757]	1.56	0.64
1:B:56:LYS:N	1:E:336:PHE:O[2_757]	1.56	0.64
1:B:59:GLN:O	1:E:335:ILE:CD1[2_757]	1.56	0.64
1:B:65:ILE:CD1	1:E:368:THR:OG1[2_757]	1.56	0.64
1:B:67:LYS:CA	1:E:374:ILE:C[2_757]	1.56	0.64
1:B:67:LYS:CG	1:E:375:MET:CG[2_757]	1.56	0.64
1:B:76:THR:OG1	1:E:360:ILE:CB[2_757]	1.56	0.64
1:B:87:PHE:CD2	5:E:1521:HOH:O[2_757]	1.56	0.64
1:B:119:PRO:CB	1:C:100:ILE:CA[2_858]	1.56	0.64
1:B:285:GLN:CG	1:C:304:THR:CA[2_858]	1.56	0.64
1:B:327:THR:N	1:C:209:LEU:CD2[2_858]	1.56	0.64
1:B:351:THR:C	1:C:163:THR:CB[2_858]	1.56	0.64
1:B:353:ALA:CA	1:C:162:PRO:C[2_858]	1.56	0.64
1:B:353:ALA:N	1:C:162:PRO:C[2_858]	1.56	0.64
1:B:354:LEU:C	1:C:164:THR:CB[2_858]	1.56	0.64
1:B:361:LEU:CD1	1:D:178:SER:OG[2_858]	1.56	0.64
1:B:377:LYS:NZ	1:C:109:PHE:CG[2_858]	1.56	0.64
1:B:383:CYS:CA	1:C:101:ARG:NE[2_858]	1.56	0.64
1:B:397:PHE:CD2	1:C:191:ILE:CB[2_858]	1.56	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:399:ASP:OD2	1:C:226:LYS:N[2_858]	1.56	0.64
1:B:403:LYS:N	1:C:220:LYS:O[2_858]	1.56	0.64
1:B:404:ARG:C	1:D:181:ALA:N[2_858]	1.56	0.64
1:B:405:LEU:C	1:D:145:THR:C[2_858]	1.56	0.64
1:C:320:LYS:N	1:C:320:LYS:N[2_958]	1.56	0.64
1:D:11:VAL:CG1	1:E:287:PHE:CE1[2_757]	1.56	0.64
1:D:23:ILE:C	1:E:205:LYS:O[2_757]	1.56	0.64
1:D:35:TYR:CD2	1:E:108:VAL:CA[2_757]	1.56	0.64
1:D:68:TYR:CA	1:E:122:VAL:N[2_757]	1.56	0.64
1:D:71:GLY:CA	1:E:125:TRP:CD1[2_757]	1.56	0.64
1:D:100:ILE:CB	1:E:264:LYS:NZ[2_757]	1.56	0.64
1:D:100:ILE:CD1	1:E:264:LYS:CD[2_757]	1.56	0.64
1:D:130:ILE:CG2	1:F:316:ARG:CD[2_757]	1.56	0.64
1:D:203:ILE:CG2	1:F:75:ALA:CB[2_757]	1.56	0.64
1:D:230:GLN:N	1:F:395:GLU:CA[2_757]	1.56	0.64
1:D:231:GLU:OE1	1:F:400:ALA:N[2_757]	1.56	0.64
1:D:233:TYR:N	1:F:398:LEU:CD2[2_757]	1.56	0.64
1:D:238:LYS:C	1:F:24:TRP:C[2_757]	1.56	0.64
1:D:300:PRO:C	1:F:288:GLY:C[2_757]	1.56	0.64
1:D:305:PHE:CD1	1:E:258:ALA:C[2_757]	1.56	0.64
1:D:311:HIS:ND1	1:E:245:GLY:O[2_757]	1.56	0.64
1:D:339:SER:N	1:E:269:MET:N[2_757]	1.56	0.64
1:D:341:GLY:C	1:E:260:MET:SD[2_757]	1.56	0.64
1:D:345:ARG:N	1:E:260:MET:CE[2_757]	1.56	0.64
1:D:353:ALA:O	1:E:277:ASP:N[2_757]	1.56	0.64
1:D:356:LYS:O	1:E:272:LYS:O[2_757]	1.56	0.64
1:D:398:LEU:CG	1:E:200:LYS:O[2_757]	1.56	0.64
1:D:402:GLU:C	1:E:197:SER:OG[2_757]	1.56	0.64
1:D:409:ILE:C	1:E:136:HIS:CA[2_757]	1.56	0.64
1:E:90:HIS:CE1	1:E:181:ALA:CA[2_657]	1.56	0.64
1:E:90:HIS:ND1	1:E:181:ALA:C[2_657]	1.56	0.64
1:E:93:TRP:CE2	1:E:147:ILE:CA[2_657]	1.56	0.64
1:A:12:VAL:CA	1:A:167:PRO:CA[2_757]	1.57	0.63
1:A:18:GLU:CB	1:B:159:PRO:CA[2_757]	1.57	0.63
1:A:28:LYS:CG	1:E:176:LYS:CD[2_657]	1.57	0.63
1:A:30:LYS:CB	5:E:1529:HOH:O[2_657]	1.57	0.63
1:A:43:TYR:O	1:A:170:LEU:CA[2_757]	1.57	0.63
1:A:43:TYR:N	1:A:170:LEU:CD2[2_757]	1.57	0.63
1:A:44:ASP:CA	1:A:170:LEU:O[2_757]	1.57	0.63
1:A:54:SER:O	1:B:184:MET:CE[2_757]	1.57	0.63
1:A:62:ALA:CB	1:B:175:TYR:CE1[2_757]	1.57	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:91:LYS:O	1:B:221:TYR:CD1[2_757]	1.57	0.63
1:A:117:ARG:CG	1:F:44:ASP:C[2_657]	1.57	0.63
1:A:207:LEU:C	1:C:352:PRO:C[2_858]	1.57	0.63
1:A:216:THR:CG2	1:E:5:ILE:CA[2_757]	1.57	0.63
1:A:246:ILE:CG2	1:C:356:LYS:CE[2_858]	1.57	0.63
1:A:313:THR:O	1:B:159:PRO:CD[2_757]	1.57	0.63
1:A:326:GLU:C	1:F:303:LYS:O[2_657]	1.57	0.63
1:A:372:ASP:CB	1:F:96:PRO:CA[2_657]	1.57	0.63
1:A:392:VAL:N	1:F:65:ILE:CG2[2_657]	1.57	0.63
1:B:18:GLU:N	1:C:236:GLN:CB[2_858]	1.57	0.63
1:B:23:ILE:CG1	1:C:232:VAL:CG2[2_858]	1.57	0.63
1:B:47:VAL:CG1	1:E:355:CYS:CB[2_757]	1.57	0.63
1:B:49:SER:C	1:E:340:ARG:NE[2_757]	1.57	0.63
1:B:50:ARG:CB	1:E:339:SER:O[2_757]	1.57	0.63
1:B:70:VAL:C	1:E:372:ASP:CG[2_757]	1.57	0.63
1:B:82:ALA:O	1:E:350:ASN:N[2_757]	1.57	0.63
1:B:118:ILE:N	1:C:102:ASN:N[2_858]	1.57	0.63
1:B:125:TRP:N	1:C:63:GLU:CB[2_858]	1.57	0.63
1:B:216:THR:CA	1:B:220:LYS:NZ[2_757]	1.57	0.63
1:B:290:LEU:CG	1:C:301:ASP:C[2_858]	1.57	0.63
1:B:308:GLU:CD	1:E:407:LYS:O[2_757]	1.57	0.63
1:B:316:ARG:O	1:C:200:LYS:C[2_858]	1.57	0.63
1:B:317:HIS:CE1	1:C:197:SER:O[2_858]	1.57	0.63
1:B:321:TYR:CZ	1:C:233:TYR:CE1[2_858]	1.57	0.63
1:B:322:GLN:CD	1:C:240:LYS:C[2_858]	1.57	0.63
1:B:329:THR:O	1:C:194:PHE:C[2_858]	1.57	0.63
1:B:329:THR:CA	1:C:194:PHE:O[2_858]	1.57	0.63
1:B:373:GLY:O	1:C:273:ASN:CB[2_858]	1.57	0.63
1:B:377:LYS:CE	1:C:109:PHE:CA[2_858]	1.57	0.63
1:B:384:GLY:CA	1:C:308:GLU:CD[2_858]	1.57	0.63
1:B:386:ASN:ND2	1:C:295:SER:CA[2_858]	1.57	0.63
1:B:396:GLU:OE1	1:C:212:SER:C[2_858]	1.57	0.63
1:B:409:ILE:C	1:C:168:GLN:CB[2_858]	1.57	0.63
1:C:178:SER:CB	1:F:372:ASP:O[2_757]	1.57	0.63
1:C:316:ARG:CD	5:C:1343:HOH:O[2_958]	1.57	0.63
1:D:14:LEU:CD2	1:E:127:LYS:N[2_757]	1.57	0.63
1:D:27:ILE:CA	1:E:201:LEU:CD2[2_757]	1.57	0.63
1:D:32:ILE:C	1:E:110:ARG:N[2_757]	1.57	0.63
1:D:38:VAL:CB	1:E:293:MET:SD[2_757]	1.57	0.63
1:D:67:LYS:N	1:E:123:PRO:CG[2_757]	1.57	0.63
1:D:118:ILE:CG2	1:E:238:LYS:NZ[2_757]	1.57	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:138:ASP:OD1	1:F:388:ARG:CB[2_757]	1.57	0.63
1:D:190:SER:C	1:F:376:THR:O[2_757]	1.57	0.63
1:D:193:GLY:O	1:F:378:ASP:CG[2_757]	1.57	0.63
1:D:223:GLY:O	1:F:396:GLU:CG[2_757]	1.57	0.63
1:D:223:GLY:O	1:F:396:GLU:CD[2_757]	1.57	0.63
1:D:226:LYS:O	1:F:396:GLU:N[2_757]	1.57	0.63
1:D:227:ASP:N	1:F:396:GLU:CG[2_757]	1.57	0.63
1:D:229:PHE:CZ	1:F:329:THR:N[2_757]	1.57	0.63
1:D:236:GLN:O	1:F:334:SER:CA[2_757]	1.57	0.63
1:D:241:PHE:CZ	1:F:19:MET:C[2_757]	1.57	0.63
1:D:242:GLU:CA	1:F:15:ASP:OD2[2_757]	1.57	0.63
1:D:327:THR:C	1:E:243:GLN:NE2[2_757]	1.57	0.63
1:D:328:SER:CB	1:E:243:GLN:OE1[2_757]	1.57	0.63
1:D:338:TRP:CE3	1:E:129:ILE:C[2_757]	1.57	0.63
1:D:342:LEU:O	1:E:279:GLN:CB[2_757]	1.57	0.63
1:D:342:LEU:CD1	1:E:131:ILE:CA[2_757]	1.57	0.63
1:D:347:GLU:O	1:F:279:GLN:OE1[2_757]	1.57	0.63
1:D:374:ILE:N	1:E:236:GLN:OE1[2_757]	1.57	0.63
1:D:404:ARG:NH2	1:E:192:GLU:CD[2_757]	1.57	0.63
1:D:409:ILE:CB	1:E:106:GLY:O[2_757]	1.57	0.63
1:D:411:SER:CA	1:E:136:HIS:CE1[2_757]	1.57	0.63
1:E:51:ASP:CB	1:E:179:GLY:CA[2_657]	1.57	0.63
1:E:56:LYS:N	1:F:157:TYR:CE2[2_657]	1.57	0.63
1:E:89:LEU:C	1:E:180:VAL:CG1[2_657]	1.57	0.63
1:A:3:SER:O	1:E:171:LYS:CA[2_657]	1.58	0.62
1:A:13:GLU:CG	1:A:169:THR:CB[2_757]	1.58	0.62
1:A:14:LEU:CG	1:A:156:VAL:CA[2_757]	1.58	0.62
1:A:14:LEU:CD1	1:A:156:VAL:O[2_757]	1.58	0.62
1:A:35:TYR:O	1:E:171:LYS:NZ[2_657]	1.58	0.62
1:A:44:ASP:OD2	1:A:171:LYS:C[2_757]	1.58	0.62
1:A:49:SER:CA	1:A:172:VAL:O[2_757]	1.58	0.62
1:A:60:ASP:N	1:B:181:ALA:C[2_757]	1.58	0.62
1:A:68:TYR:CB	1:A:165:ALA:CB[2_757]	1.58	0.62
1:A:71:GLY:C	1:A:158:LYS:CG[2_757]	1.58	0.62
1:A:76:THR:N	1:B:156:VAL:CA[2_757]	1.58	0.62
1:A:79:PRO:N	1:A:145:THR:O[2_757]	1.58	0.62
1:A:88:ASN:OD1	1:B:191:ILE:N[2_757]	1.58	0.62
1:A:100:ILE:O	1:B:174:ASP:N[2_757]	1.58	0.62
1:A:101:ARG:CZ	1:B:171:LYS:CB[2_757]	1.58	0.62
1:A:101:ARG:NE	1:B:171:LYS:CB[2_757]	1.58	0.62
1:A:111:GLU:CG	1:C:6:LYS:CD[2_858]	1.58	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:125:TRP:O	1:C:11:VAL:CG1[2_858]	1.58	0.62
1:A:162:PRO:CA	1:A:345:ARG:NE[2_757]	1.58	0.62
1:A:320:LYS:CG	1:B:163:THR:OG1[2_757]	1.58	0.62
1:A:328:SER:O	1:F:67:LYS:C[2_657]	1.58	0.62
1:A:371:GLN:CD	1:F:50:ARG:CB[2_657]	1.58	0.62
1:B:22:ILE:CA	1:C:232:VAL:C[2_858]	1.58	0.62
1:B:22:ILE:CA	1:C:232:VAL:CA[2_858]	1.58	0.62
1:B:41:LYS:CG	1:E:115:ILE:CG2[2_757]	1.58	0.62
1:B:51:ASP:CG	1:E:344:LYS:CB[2_757]	1.58	0.62
1:B:66:LYS:CB	1:E:397:PHE:CA[2_757]	1.58	0.62
1:B:80:ASP:N	1:E:351:THR:CG2[2_757]	1.58	0.62
1:B:84:VAL:CA	1:E:345:ARG:O[2_757]	1.58	0.62
1:B:87:PHE:CB	1:E:347:GLU:CA[2_757]	1.58	0.62
1:B:92:MET:CE	1:E:7:VAL:O[2_757]	1.58	0.62
1:B:98:GLY:CA	1:E:35:TYR:CE1[2_757]	1.58	0.62
1:B:100:ILE:N	1:E:31:LEU:CD2[2_757]	1.58	0.62
1:B:118:ILE:C	1:C:99:THR:O[2_858]	1.58	0.62
1:B:122:VAL:CB	1:C:63:GLU:O[2_858]	1.58	0.62
1:B:261:ILE:CG2	1:C:68:TYR:CE2[2_858]	1.58	0.62
1:B:278:VAL:N	1:E:2:PHE:CD1[2_757]	1.58	0.62
1:B:308:GLU:OE2	1:E:406:GLN:O[2_757]	1.58	0.62
1:B:318:TYR:O	1:C:203:ILE:CD1[2_858]	1.58	0.62
1:B:318:TYR:CA	1:C:237:TYR:CD2[2_858]	1.58	0.62
1:B:321:TYR:CZ	1:C:233:TYR:CG[2_858]	1.58	0.62
1:B:321:TYR:OH	1:C:233:TYR:CD2[2_858]	1.58	0.62
1:B:322:GLN:CG	1:C:240:LYS:C[2_858]	1.58	0.62
1:B:322:GLN:O	1:C:241:PHE:O[2_858]	1.58	0.62
1:B:326:GLU:CB	1:C:210:PHE:N[2_858]	1.58	0.62
1:B:327:THR:N	1:C:209:LEU:CG[2_858]	1.58	0.62
1:B:357:PHE:O	1:D:149:GLY:CA[2_858]	1.58	0.62
1:B:365:THR:CA	1:C:187:THR:CA[2_858]	1.58	0.62
1:B:366:LEU:N	1:C:187:THR:CG2[2_858]	1.58	0.62
1:B:371:GLN:C	1:C:138:ASP:O[2_858]	1.58	0.62
1:B:385:ASN:OD1	4:C:1302:AKG:C1[2_858]	1.58	0.62
1:B:388:ARG:O	1:C:131:ILE:CG2[2_858]	1.58	0.62
1:B:391:TYR:CE1	1:C:132:GLY:N[2_858]	1.58	0.62
1:B:400:ALA:N	1:C:221:TYR:O[2_858]	1.58	0.62
1:B:400:ALA:CB	1:C:225:PHE:CE1[2_858]	1.58	0.62
1:B:405:LEU:O	1:D:146:LEU:O[2_858]	1.58	0.62
1:C:315:THR:O	1:C:319:ARG:O[2_958]	1.58	0.62
1:C:317:HIS:CG	1:C:325:GLU:N[2_958]	1.58	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:12:VAL:C	1:E:287:PHE:CZ[2_757]	1.58	0.62
1:D:13:GLU:OE1	1:E:128:PRO:CB[2_757]	1.58	0.62
1:D:24:TRP:CD2	1:E:207:LEU:CD2[2_757]	1.58	0.62
1:D:65:ILE:CB	1:E:124:ARG:C[2_757]	1.58	0.62
1:D:80:ASP:C	1:D:88:ASN:ND2[2_858]	1.58	0.62
1:D:107:THR:O	1:E:262:LYS:NZ[2_757]	1.58	0.62
1:D:109:PHE:CD1	3:F:1601:NDP:C3B[2_757]	1.58	0.62
1:D:186:ASN:N	1:F:389:SER:C[2_757]	1.58	0.62
1:D:186:ASN:CB	1:F:389:SER:C[2_757]	1.58	0.62
1:D:189:GLU:CA	1:F:375:MET:CE[2_757]	1.58	0.62
1:D:197:SER:O	3:F:1601:NDP:N7A[2_757]	1.58	0.62
1:D:237:TYR:CE2	1:F:334:SER:N[2_757]	1.58	0.62
1:D:239:SER:CA	1:F:24:TRP:CE2[2_757]	1.58	0.62
1:D:270:ALA:CB	1:F:327:THR:CG2[2_757]	1.58	0.62
1:D:307:SER:O	1:E:267:PHE:CE2[2_757]	1.58	0.62
1:D:333:ALA:C	1:E:208:ASN:CB[2_757]	1.58	0.62
1:D:345:ARG:CD	1:E:283:VAL:N[2_757]	1.58	0.62
1:D:354:LEU:CA	1:E:275:ASP:O[2_757]	1.58	0.62
1:D:378:ASP:OD2	1:E:242:GLU:CG[2_757]	1.58	0.62
1:D:398:LEU:O	1:E:200:LYS:CG[2_757]	1.58	0.62
1:D:402:GLU:N	1:E:197:SER:CA[2_757]	1.58	0.62
1:E:48:GLU:O	1:E:177:GLY:CA[2_657]	1.58	0.62
1:E:56:LYS:CD	1:F:158:LYS:CA[2_657]	1.58	0.62
1:E:56:LYS:O	1:F:159:PRO:CA[2_657]	1.58	0.62
1:E:60:ASP:CA	1:F:162:PRO:N[2_657]	1.58	0.62
1:E:61:ALA:CA	1:F:161:ASP:OD1[2_657]	1.58	0.62
1:E:65:ILE:CD1	1:F:163:THR:CG2[2_657]	1.58	0.62
1:E:91:LYS:CG	1:E:145:THR:CA[2_657]	1.58	0.62
1:E:99:THR:CG2	1:F:166:GLN:CB[2_657]	1.58	0.62
1:A:34:PRO:O	1:E:173:TYR:O[2_657]	1.59	0.61
1:A:34:PRO:CB	1:E:173:TYR:CB[2_657]	1.59	0.61
1:A:36:LEU:O	1:E:174:ASP:OD2[2_657]	1.59	0.61
1:A:48:GLU:CB	1:A:173:TYR:CD2[2_757]	1.59	0.61
1:A:57:ILE:CB	1:B:143:THR:C[2_757]	1.59	0.61
1:A:71:GLY:N	1:A:159:PRO:CD[2_757]	1.59	0.61
1:A:84:VAL:CG2	1:A:180:VAL:CG1[2_757]	1.59	0.61
1:A:86:GLU:OE1	1:A:147:ILE:O[2_757]	1.59	0.61
1:A:88:ASN:CB	1:B:187:THR:O[2_757]	1.59	0.61
1:A:93:TRP:NE1	1:B:221:TYR:CE1[2_757]	1.59	0.61
1:A:94:LYS:NZ	1:A:141:LYS:N[2_757]	1.59	0.61
1:A:97:ASN:CB	1:B:171:LYS:CA[2_757]	1.59	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:123:PRO:C	1:C:12:VAL:C[2_858]	1.59	0.61
1:A:128:PRO:CA	1:C:7:VAL:CB[2_858]	1.59	0.61
1:A:259:GLN:C	1:C:348:LEU:CD1[2_858]	1.59	0.61
1:A:262:LYS:N	1:C:69:GLY:O[2_858]	1.59	0.61
1:A:328:SER:CA	1:F:66:LYS:O[2_657]	1.59	0.61
1:A:372:ASP:CB	1:F:96:PRO:CG[2_657]	1.59	0.61
1:A:376:THR:CG2	1:F:62:ALA:O[2_657]	1.59	0.61
1:A:376:THR:CB	1:F:64:ALA:C[2_657]	1.59	0.61
1:A:388:ARG:NH2	1:F:305:PHE:CA[2_657]	1.59	0.61
1:A:398:LEU:CB	1:F:103:ILE:C[2_657]	1.59	0.61
1:A:405:LEU:C	1:F:94:LYS:NZ[2_657]	1.59	0.61
1:B:163:THR:O	5:A:1107:HOH:O[2_757]	1.59	0.61
1:B:49:SER:O	1:E:340:ARG:CG[2_757]	1.59	0.61
1:B:56:LYS:NZ	1:E:309:ALA:CA[2_757]	1.59	0.61
1:B:59:GLN:NE2	1:E:27:ILE:CG2[2_757]	1.59	0.61
1:B:62:ALA:N	1:E:365:THR:CG2[2_757]	1.59	0.61
1:B:66:LYS:CG	1:E:397:PHE:N[2_757]	1.59	0.61
1:B:77:ILE:N	1:E:356:LYS:CB[2_757]	1.59	0.61
1:B:84:VAL:O	1:E:349:ASP:N[2_757]	1.59	0.61
1:B:87:PHE:CB	1:E:347:GLU:CB[2_757]	1.59	0.61
1:B:92:MET:SD	1:E:7:VAL:CA[2_757]	1.59	0.61
1:B:110:ARG:CD	1:E:410:LYS:CD[2_757]	1.59	0.61
1:B:118:ILE:N	1:C:102:ASN:CA[2_858]	1.59	0.61
1:B:281:ASP:OD1	1:E:2:PHE:CZ[2_757]	1.59	0.61
1:B:317:HIS:C	1:C:200:LYS:N[2_858]	1.59	0.61
1:B:322:GLN:C	1:C:241:PHE:CA[2_858]	1.59	0.61
1:B:322:GLN:OE1	1:C:240:LYS:CB[2_858]	1.59	0.61
1:B:326:GLU:CD	1:C:268:ILE:O[2_858]	1.59	0.61
1:B:334:SER:CB	1:C:192:GLU:CD[2_858]	1.59	0.61
1:B:352:PRO:O	1:C:162:PRO:N[2_858]	1.59	0.61
1:B:358:ALA:CB	1:D:150:PRO:CD[2_858]	1.59	0.61
1:B:381:LEU:CG	1:C:296:ILE:O[2_858]	1.59	0.61
1:B:384:GLY:CA	1:C:308:GLU:OE1[2_858]	1.59	0.61
1:B:390:ALA:N	1:C:276:GLY:CA[2_858]	1.59	0.61
1:B:403:LYS:CA	1:C:221:TYR:N[2_858]	1.59	0.61
1:B:411:SER:OG	1:C:157:TYR:N[2_858]	1.59	0.61
1:E:407:LYS:N	5:B:1216:HOH:O[2_757]	1.59	0.61
1:C:317:HIS:CE1	1:C:325:GLU:CA[2_958]	1.59	0.61
1:D:6:LYS:CG	1:E:310:ALA:C[2_757]	1.59	0.61
1:D:8:LYS:N	1:E:281:ASP:CA[2_757]	1.59	0.61
1:D:23:ILE:CA	1:E:205:LYS:C[2_757]	1.59	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:23:ILE:O	1:E:205:LYS:N[2_757]	1.59	0.61
1:D:35:TYR:CA	1:E:108:VAL:CB[2_757]	1.59	0.61
1:D:109:PHE:CD1	3:F:1601:NDP:O3X[2_757]	1.59	0.61
1:D:138:ASP:N	1:F:387:GLU:CA[2_757]	1.59	0.61
1:D:186:ASN:ND2	1:F:387:GLU:O[2_757]	1.59	0.61
1:D:191:ILE:O	1:F:376:THR:CB[2_757]	1.59	0.61
1:D:228:ILE:CD1	1:F:392:VAL:CG2[2_757]	1.59	0.61
1:D:229:PHE:CE1	1:F:328:SER:CA[2_757]	1.59	0.61
1:D:231:GLU:CG	1:F:399:ASP:C[2_757]	1.59	0.61
1:D:238:LYS:CG	1:F:25:ASP:C[2_757]	1.59	0.61
1:D:268:ILE:C	1:F:317:HIS:C[2_757]	1.59	0.61
1:D:268:ILE:CB	1:F:315:THR:C[2_757]	1.59	0.61
1:D:303:LYS:CD	1:F:287:PHE:N[2_757]	1.59	0.61
1:D:332:ILE:CB	1:E:248:TYR:CB[2_757]	1.59	0.61
1:D:336:PHE:CE1	1:E:248:TYR:CE1[2_757]	1.59	0.61
1:D:338:TRP:C	1:E:269:MET:CG[2_757]	1.59	0.61
1:D:369:VAL:N	1:E:232:VAL:O[2_757]	1.59	0.61
1:D:369:VAL:CG1	1:E:233:TYR:C[2_757]	1.59	0.61
1:D:370:GLN:N	1:E:231:GLU:O[2_757]	1.59	0.61
1:D:374:ILE:C	1:E:236:GLN:CB[2_757]	1.59	0.61
1:D:400:ALA:N	1:E:200:LYS:CD[2_757]	1.59	0.61
1:D:405:LEU:CD2	1:E:107:THR:OG1[2_757]	1.59	0.61
1:D:408:GLU:CD	1:E:191:ILE:CA[2_757]	1.59	0.61
1:E:86:GLU:C	1:F:228:ILE:CG2[2_657]	1.59	0.61
1:A:4:LYS:NZ	1:E:153:LEU:N[2_657]	1.60	0.60
1:A:17:ASP:CA	1:A:152:SER:O[2_757]	1.60	0.60
1:A:28:LYS:CA	1:E:176:LYS:CE[2_657]	1.60	0.60
1:A:35:TYR:CA	1:E:171:LYS:CG[2_657]	1.60	0.60
1:A:43:TYR:CZ	1:A:168:GLN:OE1[2_757]	1.60	0.60
1:A:45:LEU:CB	1:A:154:GLU:C[2_757]	1.60	0.60
1:A:51:ASP:OD1	1:B:185:TYR:C[2_757]	1.60	0.60
1:A:53:THR:CB	1:B:143:THR:N[2_757]	1.60	0.60
1:A:58:THR:N	1:B:182:MET:CA[2_757]	1.60	0.60
1:A:63:GLU:C	1:B:147:ILE:CG2[2_757]	1.60	0.60
1:A:83:ARG:CD	1:A:147:ILE:CA[2_757]	1.60	0.60
1:A:86:GLU:CB	1:A:178:SER:C[2_757]	1.60	0.60
1:A:120:ARG:CD	1:C:40:LEU:CB[2_858]	1.60	0.60
1:A:122:VAL:O	1:C:11:VAL:C[2_858]	1.60	0.60
1:A:144:ASP:OD2	1:B:219:LYS:CE[2_757]	1.60	0.60
1:A:160:SER:CB	1:A:304:THR:N[2_757]	1.60	0.60
1:A:217:ILE:CD1	1:E:35:TYR:CA[2_757]	1.60	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:283:VAL:CA	1:C:9:GLN:CD[2_858]	1.60	0.60
1:A:283:VAL:CB	1:C:9:GLN:OE1[2_858]	1.60	0.60
1:A:315:THR:CA	1:B:166:GLN:N[2_757]	1.60	0.60
1:A:318:TYR:CE1	1:B:160:SER:N[2_757]	1.60	0.60
1:A:374:ILE:CG1	1:F:100:ILE:CD1[2_657]	1.60	0.60
1:F:67:LYS:CD	3:A:1101:NDP:N3A[2_657]	1.60	0.60
1:B:5:ILE:CD1	1:C:165:ALA:CA[2_858]	1.60	0.60
1:B:14:LEU:O	1:E:363:SER:CB[2_757]	1.60	0.60
1:B:18:GLU:CD	1:C:240:LYS:NZ[2_858]	1.60	0.60
1:B:21:ARG:O	1:C:235:ALA:CB[2_858]	1.60	0.60
1:B:26:LYS:N	1:C:231:GLU:OE1[2_858]	1.60	0.60
1:B:30:LYS:NZ	1:C:227:ASP:CB[2_858]	1.60	0.60
1:B:41:LYS:N	1:E:370:GLN:CD[2_757]	1.60	0.60
1:B:43:TYR:CD1	1:E:366:LEU:CG[2_757]	1.60	0.60
1:B:62:ALA:CB	1:E:401:VAL:CG1[2_757]	1.60	0.60
1:B:63:GLU:OE1	1:E:331:SER:OG[2_757]	1.60	0.60
1:B:66:LYS:C	1:E:374:ILE:CG2[2_757]	1.60	0.60
1:B:66:LYS:CE	1:E:395:GLU:O[2_757]	1.60	0.60
1:B:67:LYS:C	1:E:374:ILE:CA[2_757]	1.60	0.60
1:B:76:THR:N	1:E:360:ILE:CG1[2_757]	1.60	0.60
1:B:83:ARG:C	1:E:346:GLY:O[2_757]	1.60	0.60
1:B:87:PHE:CB	1:E:347:GLU:CG[2_757]	1.60	0.60
1:B:89:LEU:CD2	1:E:343:LEU:C[2_757]	1.60	0.60
1:B:91:LYS:NZ	1:E:12:VAL:O[2_757]	1.60	0.60
1:B:100:ILE:O	1:E:402:GLU:CA[2_757]	1.60	0.60
1:B:102:ASN:CA	1:E:30:LYS:CB[2_757]	1.60	0.60
1:B:118:ILE:C	1:C:100:ILE:C[2_858]	1.60	0.60
1:B:119:PRO:CG	1:C:100:ILE:CB[2_858]	1.60	0.60
1:B:298:VAL:CG1	1:E:403:LYS:NZ[2_757]	1.60	0.60
1:B:320:LYS:CG	1:C:201:LEU:C[2_858]	1.60	0.60
1:B:366:LEU:CB	1:D:173:TYR:OH[2_858]	1.60	0.60
1:B:385:ASN:CA	1:C:110:ARG:CZ[2_858]	1.60	0.60
1:B:386:ASN:OD1	1:C:295:SER:N[2_858]	1.60	0.60
1:B:388:ARG:CA	1:C:131:ILE:CG1[2_858]	1.60	0.60
1:B:389:SER:O	1:C:275:ASP:C[2_858]	1.60	0.60
1:B:394:THR:CA	1:C:229:PHE:CD1[2_858]	1.60	0.60
1:B:399:ASP:O	1:C:221:TYR:C[2_858]	1.60	0.60
1:B:404:ARG:CA	1:D:181:ALA:N[2_858]	1.60	0.60
1:B:408:GLU:CD	1:D:153:LEU:CD2[2_858]	1.60	0.60
1:C:316:ARG:CB	1:C:322:GLN:O[2_958]	1.60	0.60
1:D:9:GLN:CA	1:E:285:GLN:CA[2_757]	1.60	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:20:THR:O	1:E:206:LYS:O[2_757]	1.60	0.60
1:D:32:ILE:CB	1:E:130:ILE:CG2[2_757]	1.60	0.60
1:D:63:GLU:O	1:E:123:PRO:CA[2_757]	1.60	0.60
1:D:64:ALA:C	1:E:123:PRO:CA[2_757]	1.60	0.60
1:D:70:VAL:O	1:E:125:TRP:CE2[2_757]	1.60	0.60
1:D:85:LYS:N	1:D:85:LYS:C[2_858]	1.60	0.60
1:D:111:GLU:O	1:E:249:GLU:CD[2_757]	1.60	0.60
1:D:196:HIS:CD2	1:F:332:ILE:CG1[2_757]	1.60	0.60
1:D:205:LYS:CD	3:F:1601:NDP:PN[2_757]	1.60	0.60
1:D:213:THR:OG1	1:F:326:GLU:CB[2_757]	1.60	0.60
1:D:225:PHE:O	1:F:393:THR:OG1[2_757]	1.60	0.60
1:D:229:PHE:N	1:F:393:THR:O[2_757]	1.60	0.60
1:D:236:GLN:OE1	1:F:335:ILE:CD1[2_757]	1.60	0.60
1:D:267:PHE:CD1	1:F:319:ARG:CA[2_757]	1.60	0.60
1:D:338:TRP:CD1	1:E:268:ILE:N[2_757]	1.60	0.60
1:D:339:SER:CB	1:E:270:ALA:N[2_757]	1.60	0.60
1:D:344:LYS:CG	1:E:257:VAL:CA[2_757]	1.60	0.60
1:D:351:THR:CB	1:E:278:VAL:CA[2_757]	1.60	0.60
1:D:354:LEU:C	1:E:276:GLY:N[2_757]	1.60	0.60
1:D:357:PHE:CD1	1:E:133:ARG:C[2_757]	1.60	0.60
1:D:361:LEU:C	1:E:270:ALA:CB[2_757]	1.60	0.60
1:D:366:LEU:CB	1:E:229:PHE:CB[2_757]	1.60	0.60
1:D:368:THR:CA	1:E:232:VAL:CB[2_757]	1.60	0.60
1:D:374:ILE:N	1:E:236:GLN:CG[2_757]	1.60	0.60
1:D:375:MET:CE	1:E:234:GLU:C[2_757]	1.60	0.60
1:D:378:ASP:CB	1:E:242:GLU:CD[2_757]	1.60	0.60
1:D:394:THR:CG2	1:E:244:LEU:CD1[2_757]	1.60	0.60
1:F:381:LEU:N	5:D:1444:HOH:O[2_757]	1.60	0.60
1:E:55:ASP:CA	1:F:157:TYR:CZ[2_657]	1.60	0.60
1:E:56:LYS:CA	1:F:159:PRO:CD[2_657]	1.60	0.60
1:E:56:LYS:CB	1:F:158:LYS:O[2_657]	1.60	0.60
1:E:83:ARG:CA	1:F:224:ARG:NH1[2_657]	1.60	0.60
1:E:90:HIS:C	1:E:180:VAL:CB[2_657]	1.60	0.60
1:E:90:HIS:N	1:E:180:VAL:N[2_657]	1.60	0.60
1:E:93:TRP:NE1	1:E:179:GLY:O[2_657]	1.60	0.60
1:A:34:PRO:CG	1:E:173:TYR:CG[2_657]	1.61	0.59
1:A:44:ASP:OD2	1:A:171:LYS:O[2_757]	1.61	0.59
1:A:45:LEU:CG	1:A:155:LEU:N[2_757]	1.61	0.59
1:A:58:THR:N	1:B:182:MET:C[2_757]	1.61	0.59
1:A:60:ASP:CB	1:B:145:THR:C[2_757]	1.61	0.59
1:A:67:LYS:N	1:B:148:PRO:C[2_757]	1.61	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:71:GLY:N	1:A:158:LYS:C[2_757]	1.61	0.59
1:A:71:GLY:C	1:A:158:LYS:CA[2_757]	1.61	0.59
1:A:83:ARG:O	1:A:179:GLY:O[2_757]	1.61	0.59
1:A:84:VAL:CB	1:B:224:ARG:CB[2_757]	1.61	0.59
1:A:89:LEU:CD1	1:A:180:VAL:O[2_757]	1.61	0.59
1:A:117:ARG:CD	1:F:45:LEU:N[2_657]	1.61	0.59
1:A:124:ARG:CZ	1:C:306:GLU:C[2_858]	1.61	0.59
1:A:125:TRP:CA	1:C:11:VAL:CB[2_858]	1.61	0.59
1:A:128:PRO:C	1:C:7:VAL:CG2[2_858]	1.61	0.59
1:A:162:PRO:O	1:A:345:ARG:CZ[2_757]	1.61	0.59
1:A:262:LYS:CE	1:C:305:PHE:CZ[2_858]	1.61	0.59
1:A:313:THR:CB	1:B:157:TYR:O[2_757]	1.61	0.59
1:A:318:TYR:CB	1:B:159:PRO:CB[2_757]	1.61	0.59
1:A:319:ARG:C	1:B:161:ASP:CB[2_757]	1.61	0.59
1:A:328:SER:OG	1:F:65:ILE:C[2_657]	1.61	0.59
1:A:376:THR:N	1:F:65:ILE:N[2_657]	1.61	0.59
1:A:379:LEU:CA	1:F:43:TYR:CE1[2_657]	1.61	0.59
1:A:380:ALA:CB	1:F:12:VAL:CB[2_657]	1.61	0.59
1:A:385:ASN:C	1:F:40:LEU:CD2[2_657]	1.61	0.59
1:A:391:TYR:OH	1:F:70:VAL:CB[2_657]	1.61	0.59
1:A:400:ALA:CB	1:F:101:ARG:N[2_657]	1.61	0.59
1:A:406:GLN:NE2	1:F:141:LYS:CB[2_657]	1.61	0.59
1:B:14:LEU:CA	1:E:363:SER:CA[2_757]	1.61	0.59
1:B:26:LYS:N	1:C:231:GLU:CD[2_858]	1.61	0.59
1:B:43:TYR:CE2	1:E:366:LEU:CD2[2_757]	1.61	0.59
1:B:45:LEU:O	1:E:359:ASN:N[2_757]	1.61	0.59
1:B:50:ARG:NE	1:E:358:ALA:CA[2_757]	1.61	0.59
1:B:76:THR:CG2	1:E:359:ASN:C[2_757]	1.61	0.59
1:B:83:ARG:NE	1:E:353:ALA:N[2_757]	1.61	0.59
1:B:93:TRP:CB	1:E:342:LEU:CA[2_757]	1.61	0.59
1:B:103:ILE:O	1:E:398:LEU:C[2_757]	1.61	0.59
1:B:104:LEU:C	1:E:399:ASP:O[2_757]	1.61	0.59
1:B:125:TRP:CB	1:C:63:GLU:CB[2_858]	1.61	0.59
1:B:261:ILE:CG2	1:C:68:TYR:CZ[2_858]	1.61	0.59
1:B:285:GLN:CB	1:C:304:THR:OG1[2_858]	1.61	0.59
1:B:285:GLN:NE2	1:C:299:THR:OG1[2_858]	1.61	0.59
1:B:290:LEU:CA	1:C:301:ASP:OD1[2_858]	1.61	0.59
1:B:319:ARG:CA	1:C:203:ILE:CD1[2_858]	1.61	0.59
1:B:331:SER:OG	1:C:191:ILE:O[2_858]	1.61	0.59
1:B:370:GLN:NE2	1:C:141:LYS:CD[2_858]	1.61	0.59
1:B:370:GLN:C	1:C:141:LYS:C[2_858]	1.61	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:381:LEU:CB	1:C:297:LEU:CA[2_858]	1.61	0.59
1:B:411:SER:C	1:C:168:GLN:C[2_858]	1.61	0.59
1:C:320:LYS:CE	1:C:327:THR:OG1[2_958]	1.61	0.59
1:D:6:LYS:NZ	1:E:311:HIS:C[2_757]	1.61	0.59
1:D:12:VAL:O	1:E:287:PHE:CZ[2_757]	1.61	0.59
1:D:22:ILE:CD1	1:E:206:LYS:NZ[2_757]	1.61	0.59
1:D:22:ILE:O	1:E:204:ASP:O[2_757]	1.61	0.59
1:D:24:TRP:CZ3	1:E:266:GLY:C[2_757]	1.61	0.59
1:D:26:LYS:CG	1:E:204:ASP:CG[2_757]	1.61	0.59
1:D:28:LYS:CG	1:E:111:GLU:OE2[2_757]	1.61	0.59
1:D:38:VAL:CG1	1:E:293:MET:SD[2_757]	1.61	0.59
1:D:68:TYR:N	1:E:121:LEU:O[2_757]	1.61	0.59
1:D:68:TYR:CD1	1:E:120:ARG:C[2_757]	1.61	0.59
1:D:68:TYR:CD1	1:E:120:ARG:CA[2_757]	1.61	0.59
1:D:72:ILE:CB	1:E:129:ILE:CG1[2_757]	1.61	0.59
1:D:85:LYS:NZ	1:D:87:PHE:CZ[2_858]	1.61	0.59
1:D:104:LEU:CB	1:E:124:ARG:CZ[2_757]	1.61	0.59
1:D:113:ILE:CD1	1:E:248:TYR:C[2_757]	1.61	0.59
1:D:137:GLY:CA	1:F:387:GLU:CA[2_757]	1.61	0.59
1:D:185:TYR:CZ	1:F:387:GLU:CD[2_757]	1.61	0.59
1:D:186:ASN:CA	1:F:389:SER:C[2_757]	1.61	0.59
1:D:196:HIS:CB	1:F:330:ASN:OD1[2_757]	1.61	0.59
1:D:199:PHE:N	1:F:329:THR:CG2[2_757]	1.61	0.59
1:D:207:LEU:N	1:F:313:THR:OG1[2_757]	1.61	0.59
1:D:225:PHE:N	5:F:1639:HOH:O[2_757]	1.61	0.59
1:D:225:PHE:O	1:F:393:THR:CA[2_757]	1.61	0.59
1:D:230:GLN:NE2	1:F:26:LYS:CG[2_757]	1.61	0.59
1:D:231:GLU:CG	1:F:399:ASP:CA[2_757]	1.61	0.59
1:D:231:GLU:CD	1:F:400:ALA:CA[2_757]	1.61	0.59
1:D:234:GLU:CB	1:F:26:LYS:O[2_757]	1.61	0.59
1:D:248:TYR:N	1:F:22:ILE:CB[2_757]	1.61	0.59
1:D:301:ASP:C	1:F:284:ALA:O[2_757]	1.61	0.59
1:D:301:ASP:CG	1:F:288:GLY:N[2_757]	1.61	0.59
1:D:305:PHE:CB	1:E:262:LYS:N[2_757]	1.61	0.59
1:D:305:PHE:CE1	1:E:258:ALA:CA[2_757]	1.61	0.59
1:D:306:GLU:CA	1:E:263:SER:CB[2_757]	1.61	0.59
1:D:309:ALA:CA	1:E:208:ASN:ND2[2_757]	1.61	0.59
1:D:329:THR:CB	1:E:244:LEU:CA[2_757]	1.61	0.59
1:D:334:SER:CB	1:E:207:LEU:CA[2_757]	1.61	0.59
1:D:335:ILE:O	1:E:268:ILE:C[2_757]	1.61	0.59
1:D:348:LEU:CB	1:F:282:ILE:CG2[2_757]	1.61	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:353:ALA:C	1:E:277:ASP:N[2_757]	1.61	0.59
1:D:362:GLU:O	1:E:229:PHE:CE2[2_757]	1.61	0.59
1:D:369:VAL:CB	1:E:233:TYR:C[2_757]	1.61	0.59
1:D:373:GLY:O	1:E:235:ALA:O[2_757]	1.61	0.59
1:D:406:GLN:NE2	1:E:299:THR:O[2_757]	1.61	0.59
1:D:406:GLN:NE2	1:E:299:THR:N[2_757]	1.61	0.59
1:E:58:THR:CG2	1:F:165:ALA:N[2_657]	1.61	0.59
1:E:59:GLN:NE2	1:F:167:PRO:CD[2_657]	1.61	0.59
1:E:84:VAL:CB	1:F:224:ARG:N[2_657]	1.61	0.59
1:E:85:LYS:CA	1:F:225:PHE:C[2_657]	1.61	0.59
1:A:2:PHE:N	1:E:172:VAL:CG2[2_657]	1.62	0.58
1:A:10:PRO:CA	1:A:166:GLN:OE1[2_757]	1.62	0.58
1:A:18:GLU:OE2	1:B:157:TYR:CZ[2_757]	1.62	0.58
1:A:34:PRO:CB	1:E:173:TYR:CA[2_657]	1.62	0.58
1:A:43:TYR:CG	1:A:170:LEU:CD1[2_757]	1.62	0.58
1:A:44:ASP:OD1	1:A:171:LYS:C[2_757]	1.62	0.58
1:A:44:ASP:OD1	1:A:171:LYS:CA[2_757]	1.62	0.58
1:A:47:VAL:CB	1:A:175:TYR:CE1[2_757]	1.62	0.58
1:A:47:VAL:N	1:A:153:LEU:CB[2_757]	1.62	0.58
1:A:56:LYS:O	1:B:181:ALA:C[2_757]	1.62	0.58
1:A:57:ILE:N	1:B:182:MET:CA[2_757]	1.62	0.58
1:A:58:THR:CB	1:B:182:MET:O[2_757]	1.62	0.58
1:A:65:ILE:CB	1:A:157:TYR:CZ[2_757]	1.62	0.58
1:A:70:VAL:C	1:A:159:PRO:CG[2_757]	1.62	0.58
1:A:104:LEU:N	1:B:174:ASP:O[2_757]	1.62	0.58
1:A:112:PRO:CG	1:C:7:VAL:O[2_858]	1.62	0.58
1:A:123:PRO:CA	1:C:12:VAL:CA[2_858]	1.62	0.58
1:A:258:ALA:CA	1:C:303:LYS:CB[2_858]	1.62	0.58
1:A:263:SER:CB	1:C:344:LYS:O[2_858]	1.62	0.58
1:A:264:LYS:NZ	1:C:336:PHE:O[2_858]	1.62	0.58
1:A:332:ILE:CB	1:F:63:GLU:OE1[2_657]	1.62	0.58
1:A:375:MET:CG	1:F:14:LEU:CD2[2_657]	1.62	0.58
1:A:376:THR:C	1:F:64:ALA:C[2_657]	1.62	0.58
1:A:379:LEU:CB	1:F:43:TYR:CZ[2_657]	1.62	0.58
1:A:381:LEU:CA	1:F:41:LYS:N[2_657]	1.62	0.58
1:A:396:GLU:O	1:F:100:ILE:O[2_657]	1.62	0.58
1:B:168:GLN:CD	3:A:1101:NDP:C3D[2_757]	1.62	0.58
1:B:10:PRO:C	1:E:370:GLN:O[2_757]	1.62	0.58
1:B:46:SER:C	1:E:359:ASN:OD1[2_757]	1.62	0.58
1:B:50:ARG:NE	1:E:358:ALA:CB[2_757]	1.62	0.58
1:B:59:GLN:NE2	1:E:27:ILE:CD1[2_757]	1.62	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:63:GLU:CB	1:E:397:PHE:CE2[2_757]	1.62	0.58
1:B:66:LYS:CE	1:E:396:GLU:C[2_757]	1.62	0.58
1:B:67:LYS:CB	1:E:375:MET:N[2_757]	1.62	0.58
1:B:67:LYS:CG	1:E:375:MET:C[2_757]	1.62	0.58
1:B:68:TYR:CA	1:E:373:GLY:O[2_757]	1.62	0.58
1:B:79:PRO:CB	1:E:354:LEU:CB[2_757]	1.62	0.58
1:B:81:GLU:N	1:E:8:LYS:N[2_757]	1.62	0.58
1:B:90:HIS:O	1:E:70:VAL:CG2[2_757]	1.62	0.58
1:B:93:TRP:CG	1:E:342:LEU:CB[2_757]	1.62	0.58
1:B:95:SER:CA	1:E:357:PHE:CZ[2_757]	1.62	0.58
1:B:101:ARG:NE	1:E:406:GLN:CA[2_757]	1.62	0.58
1:B:113:ILE:CD1	1:C:189:GLU:OE1[2_858]	1.62	0.58
1:B:261:ILE:O	1:C:67:LYS:CD[2_858]	1.62	0.58
1:B:286:GLY:C	1:C:66:LYS:CA[2_858]	1.62	0.58
1:B:329:THR:C	1:C:193:GLY:O[2_858]	1.62	0.58
1:B:359:ASN:OD1	1:D:150:PRO:CB[2_858]	1.62	0.58
1:B:365:THR:OG1	1:D:178:SER:O[2_858]	1.62	0.58
1:B:372:ASP:OD2	1:C:221:TYR:OH[2_858]	1.62	0.58
1:B:389:SER:O	1:C:277:ASP:N[2_858]	1.62	0.58
1:B:390:ALA:CA	1:C:276:GLY:C[2_858]	1.62	0.58
1:B:390:ALA:C	1:C:133:ARG:CG[2_858]	1.62	0.58
1:B:395:GLU:O	1:C:225:PHE:O[2_858]	1.62	0.58
1:B:395:GLU:O	1:C:225:PHE:CA[2_858]	1.62	0.58
1:B:399:ASP:CA	1:C:224:ARG:N[2_858]	1.62	0.58
1:B:403:LYS:O	1:D:145:THR:N[2_858]	1.62	0.58
1:C:317:HIS:CG	1:C:325:GLU:CA[2_958]	1.62	0.58
1:C:319:ARG:CD	1:C:322:GLN:NE2[2_958]	1.62	0.58
1:C:388:ARG:CG	1:C:392:VAL:C[2_958]	1.62	0.58
1:D:10:PRO:O	1:E:286:GLY:N[2_757]	1.62	0.58
1:D:26:LYS:CB	1:E:204:ASP:CB[2_757]	1.62	0.58
1:D:64:ALA:O	1:E:122:VAL:C[2_757]	1.62	0.58
1:D:81:GLU:CG	1:D:88:ASN:CB[2_858]	1.62	0.58
1:D:130:ILE:O	1:F:316:ARG:CA[2_757]	1.62	0.58
1:D:137:GLY:N	1:F:386:ASN:O[2_757]	1.62	0.58
1:D:189:GLU:O	1:F:375:MET:CG[2_757]	1.62	0.58
1:D:196:HIS:CB	1:F:330:ASN:CB[2_757]	1.62	0.58
1:D:198:SER:N	3:F:1601:NDP:C2A[2_757]	1.62	0.58
1:D:225:PHE:O	1:F:393:THR:C[2_757]	1.62	0.58
1:D:238:LYS:O	1:F:24:TRP:CB[2_757]	1.62	0.58
1:D:240:LYS:CE	1:F:337:ALA:CB[2_757]	1.62	0.58
1:D:241:PHE:CE2	1:F:19:MET:O[2_757]	1.62	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:241:PHE:CB	1:F:20:THR:O[2_757]	1.62	0.58
1:D:242:GLU:CB	1:F:15:ASP:CG[2_757]	1.62	0.58
1:D:249:GLU:N	1:F:22:ILE:CD1[2_757]	1.62	0.58
1:D:256:MET:SD	1:F:320:LYS:O[2_757]	1.62	0.58
1:D:269:MET:CG	1:F:320:LYS:CA[2_757]	1.62	0.58
1:D:296:ILE:CG2	1:E:259:GLN:CB[2_757]	1.62	0.58
1:D:302:GLY:C	1:F:285:GLN:C[2_757]	1.62	0.58
1:D:311:HIS:CD2	1:E:247:HIS:CE1[2_757]	1.62	0.58
1:D:340:ARG:CZ	1:E:251:ARG:CB[2_757]	1.62	0.58
1:D:346:GLY:C	1:E:279:GLN:NE2[2_757]	1.62	0.58
1:D:349:ASP:OD1	1:F:257:VAL:O[2_757]	1.62	0.58
1:D:369:VAL:C	1:E:232:VAL:N[2_757]	1.62	0.58
1:D:370:GLN:CD	1:E:231:GLU:CG[2_757]	1.62	0.58
1:D:376:THR:C	1:E:239:SER:N[2_757]	1.62	0.58
1:D:399:ASP:C	1:E:200:LYS:CE[2_757]	1.62	0.58
1:D:404:ARG:C	1:E:194:PHE:N[2_757]	1.62	0.58
1:D:404:ARG:CZ	1:E:192:GLU:CG[2_757]	1.62	0.58
1:E:241:PHE:O	3:D:1401:NDP:N1A[2_757]	1.62	0.58
1:F:380:ALA:O	5:D:1444:HOH:O[2_757]	1.62	0.58
1:E:51:ASP:CB	1:E:178:SER:C[2_657]	1.62	0.58
1:E:52:ALA:CA	1:E:175:TYR:CD2[2_657]	1.62	0.58
1:E:56:LYS:C	1:F:159:PRO:N[2_657]	1.62	0.58
1:E:56:LYS:CE	1:F:158:LYS:N[2_657]	1.62	0.58
1:E:81:GLU:CB	5:F:1630:HOH:O[2_657]	1.62	0.58
1:A:46:SER:CA	1:A:153:LEU:C[2_757]	1.63	0.57
1:A:59:GLN:NE2	1:A:185:TYR:N[2_757]	1.63	0.57
1:A:88:ASN:CG	1:B:190:SER:N[2_757]	1.63	0.57
1:A:100:ILE:N	1:B:173:TYR:N[2_757]	1.63	0.57
1:A:125:TRP:CB	1:C:11:VAL:CA[2_858]	1.63	0.57
1:A:318:TYR:OH	1:B:160:SER:OG[2_757]	1.63	0.57
1:A:326:GLU:CA	1:F:303:LYS:C[2_657]	1.63	0.57
1:A:326:GLU:O	1:F:303:LYS:CB[2_657]	1.63	0.57
1:A:372:ASP:N	1:F:96:PRO:CB[2_657]	1.63	0.57
1:A:372:ASP:N	1:F:96:PRO:CG[2_657]	1.63	0.57
1:A:373:GLY:N	1:F:45:LEU:CD1[2_657]	1.63	0.57
1:A:379:LEU:O	1:F:41:LYS:O[2_657]	1.63	0.57
1:A:380:ALA:CA	1:F:12:VAL:CA[2_657]	1.63	0.57
1:A:399:ASP:O	1:F:102:ASN:N[2_657]	1.63	0.57
1:B:9:GLN:O	1:E:117:ARG:NH1[2_757]	1.63	0.57
1:B:14:LEU:CB	1:E:363:SER:O[2_757]	1.63	0.57
1:B:39:ASP:O	1:E:370:GLN:OE1[2_757]	1.63	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:40:LEU:CA	1:E:370:GLN:CD[2_757]	1.63	0.57
1:B:43:TYR:CG	1:E:366:LEU:CD1[2_757]	1.63	0.57
1:B:51:ASP:CG	1:E:344:LYS:CA[2_757]	1.63	0.57
1:B:56:LYS:CD	1:E:308:GLU:O[2_757]	1.63	0.57
1:B:87:PHE:C	1:E:347:GLU:C[2_757]	1.63	0.57
1:B:98:GLY:CA	1:E:35:TYR:CD1[2_757]	1.63	0.57
1:B:99:THR:N	1:E:31:LEU:CA[2_757]	1.63	0.57
1:B:110:ARG:NE	1:E:410:LYS:CE[2_757]	1.63	0.57
1:B:122:VAL:N	1:C:66:LYS:N[2_858]	1.63	0.57
1:B:285:GLN:OE1	1:C:304:THR:N[2_858]	1.63	0.57
1:B:291:GLY:CA	1:C:300:PRO:CB[2_858]	1.63	0.57
1:B:317:HIS:ND1	1:C:197:SER:O[2_858]	1.63	0.57
1:B:326:GLU:CD	1:C:269:MET:CA[2_858]	1.63	0.57
1:B:332:ILE:CA	1:C:189:GLU:CA[2_858]	1.63	0.57
1:B:357:PHE:CD1	1:D:148:PRO:CA[2_858]	1.63	0.57
1:B:360:ILE:CB	1:C:157:TYR:OH[2_858]	1.63	0.57
1:B:362:GLU:OE2	1:D:176:LYS:C[2_858]	1.63	0.57
1:B:377:LYS:C	1:C:108:VAL:N[2_858]	1.63	0.57
1:B:398:LEU:C	1:C:225:PHE:N[2_858]	1.63	0.57
1:B:403:LYS:CE	1:C:218:LEU:CA[2_858]	1.63	0.57
1:E:2:PHE:CE2	2:B:1203:CA:CA[2_757]	1.63	0.57
1:C:319:ARG:NE	1:C:322:GLN:NE2[2_958]	1.63	0.57
1:D:8:LYS:O	1:E:290:LEU:CD2[2_757]	1.63	0.57
1:D:10:PRO:CG	1:E:285:GLN:O[2_757]	1.63	0.57
1:D:13:GLU:CA	1:E:127:LYS:C[2_757]	1.63	0.57
1:D:14:LEU:CD2	1:E:126:GLU:C[2_757]	1.63	0.57
1:D:14:LEU:CA	1:E:127:LYS:CB[2_757]	1.63	0.57
1:D:23:ILE:O	1:E:205:LYS:CB[2_757]	1.63	0.57
1:D:24:TRP:CH2	1:E:267:PHE:N[2_757]	1.63	0.57
1:D:32:ILE:O	1:E:109:PHE:CA[2_757]	1.63	0.57
1:D:33:LEU:CD2	1:E:294:THR:OG1[2_757]	1.63	0.57
1:D:36:LEU:CB	1:E:110:ARG:CD[2_757]	1.63	0.57
1:D:63:GLU:C	1:E:123:PRO:CB[2_757]	1.63	0.57
1:D:102:ASN:ND2	1:F:384:GLY:C[2_757]	1.63	0.57
1:D:185:TYR:CD1	1:F:387:GLU:CD[2_757]	1.63	0.57
1:D:191:ILE:CG2	1:F:392:VAL:N[2_757]	1.63	0.57
1:D:194:PHE:CE1	1:F:328:SER:CB[2_757]	1.63	0.57
1:D:195:ALA:O	1:F:330:ASN:CA[2_757]	1.63	0.57
1:D:200:LYS:CA	1:F:311:HIS:CD2[2_757]	1.63	0.57
1:D:201:LEU:C	1:F:314:VAL:N[2_757]	1.63	0.57
1:D:202:ALA:C	1:F:313:THR:N[2_757]	1.63	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:202:ALA:C	1:F:313:THR:C[2_757]	1.63	0.57
1:D:204:ASP:CB	1:F:312:GLY:CA[2_757]	1.63	0.57
1:D:206:LYS:CG	1:F:76:THR:CA[2_757]	1.63	0.57
1:D:212:SER:CB	1:F:325:GLU:CB[2_757]	1.63	0.57
1:D:223:GLY:O	1:F:396:GLU:OE1[2_757]	1.63	0.57
1:D:229:PHE:CB	1:F:395:GLU:N[2_757]	1.63	0.57
1:D:232:VAL:C	1:F:398:LEU:CD2[2_757]	1.63	0.57
1:D:243:GLN:CG	1:F:14:LEU:CB[2_757]	1.63	0.57
1:D:296:ILE:CA	1:E:259:GLN:OE1[2_757]	1.63	0.57
1:D:301:ASP:CA	1:F:288:GLY:CA[2_757]	1.63	0.57
1:D:306:GLU:C	1:E:263:SER:CA[2_757]	1.63	0.57
1:D:309:ALA:CB	1:E:208:ASN:OD1[2_757]	1.63	0.57
1:D:335:ILE:C	1:E:268:ILE:O[2_757]	1.63	0.57
1:D:336:PHE:CD1	1:E:209:LEU:O[2_757]	1.63	0.57
1:D:368:THR:C	1:E:232:VAL:CB[2_757]	1.63	0.57
1:D:369:VAL:CA	1:E:233:TYR:N[2_757]	1.63	0.57
1:D:376:THR:CB	1:E:237:TYR:O[2_757]	1.63	0.57
1:D:378:ASP:CA	1:E:242:GLU:OE1[2_757]	1.63	0.57
1:F:120:ARG:CA	5:D:1450:HOH:O[2_757]	1.63	0.57
1:A:11:VAL:N	1:A:166:GLN:CB[2_757]	1.64	0.56
1:A:29:LYS:O	1:E:173:TYR:CZ[2_657]	1.64	0.56
1:A:33:LEU:O	1:E:174:ASP:CB[2_657]	1.64	0.56
1:A:44:ASP:CG	1:A:172:VAL:N[2_757]	1.64	0.56
1:A:46:SER:CA	1:A:153:LEU:O[2_757]	1.64	0.56
1:A:55:ASP:OD1	1:A:183:ALA:N[2_757]	1.64	0.56
1:A:63:GLU:OE2	1:B:180:VAL:N[2_757]	1.64	0.56
1:A:74:CYS:C	1:B:156:VAL:CG1[2_757]	1.64	0.56
1:A:85:LYS:O	1:B:188:ASP:CG[2_757]	1.64	0.56
1:A:95:SER:C	1:A:143:THR:CB[2_757]	1.64	0.56
1:A:95:SER:O	1:A:143:THR:OG1[2_757]	1.64	0.56
1:A:126:GLU:OE1	1:C:338:TRP:O[2_858]	1.64	0.56
1:A:207:LEU:CD1	1:C:353:ALA:CA[2_858]	1.64	0.56
1:A:216:THR:OG1	1:E:5:ILE:CA[2_757]	1.64	0.56
1:A:217:ILE:O	1:E:36:LEU:C[2_757]	1.64	0.56
1:A:219:LYS:CB	1:E:37:ASP:C[2_757]	1.64	0.56
1:A:219:LYS:N	1:E:37:ASP:OD1[2_757]	1.64	0.56
1:A:318:TYR:C	1:B:161:ASP:C[2_757]	1.64	0.56
1:A:329:THR:O	1:F:66:LYS:CG[2_657]	1.64	0.56
1:A:372:ASP:CA	1:F:96:PRO:CB[2_657]	1.64	0.56
1:A:381:LEU:CG	1:F:10:PRO:CB[2_657]	1.64	0.56
1:A:393:THR:CB	1:F:304:THR:CG2[2_657]	1.64	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:169:THR:N	3:A:1101:NDP:O7N[2_757]	1.64	0.56
1:B:169:THR:CA	3:A:1101:NDP:N7N[2_757]	1.64	0.56
1:B:12:VAL:CG2	1:E:369:VAL:CA[2_757]	1.64	0.56
1:B:73:LYS:CG	1:E:408:GLU:OE1[2_757]	1.64	0.56
1:B:87:PHE:CA	1:E:347:GLU:CB[2_757]	1.64	0.56
1:B:87:PHE:C	1:E:347:GLU:CA[2_757]	1.64	0.56
1:B:93:TRP:CH2	1:E:341:GLY:CA[2_757]	1.64	0.56
1:B:93:TRP:CE2	1:E:341:GLY:CA[2_757]	1.64	0.56
1:B:100:ILE:O	1:E:402:GLU:N[2_757]	1.64	0.56
1:B:103:ILE:CG2	1:E:398:LEU:CA[2_757]	1.64	0.56
1:B:141:LYS:NZ	1:E:28:LYS:C[2_757]	1.64	0.56
1:B:141:LYS:NZ	1:E:29:LYS:CA[2_757]	1.64	0.56
1:B:287:PHE:CA	1:C:66:LYS:CD[2_858]	1.64	0.56
1:B:287:PHE:CG	1:C:66:LYS:NZ[2_858]	1.64	0.56
1:B:308:GLU:OE2	1:E:407:LYS:CA[2_757]	1.64	0.56
1:B:318:TYR:CE1	1:C:236:GLN:C[2_858]	1.64	0.56
1:B:319:ARG:CA	1:C:203:ILE:CG2[2_858]	1.64	0.56
1:B:321:TYR:C	1:C:241:PHE:CE1[2_858]	1.64	0.56
1:B:329:THR:C	1:C:193:GLY:C[2_858]	1.64	0.56
1:B:354:LEU:N	1:C:164:THR:CA[2_858]	1.64	0.56
1:B:367:ASN:N	1:C:185:TYR:CG[2_858]	1.64	0.56
1:B:394:THR:N	1:C:229:PHE:CE2[2_858]	1.64	0.56
1:B:399:ASP:CB	1:C:222:ASP:C[2_858]	1.64	0.56
1:B:404:ARG:CG	1:D:181:ALA:N[2_858]	1.64	0.56
1:B:410:LYS:CA	1:C:170:LEU:CD2[2_858]	1.64	0.56
1:C:324:GLY:O	3:C:1301:NDP:O2X[2_958]	1.64	0.56
1:D:2:PHE:O	1:E:306:GLU:OE2[2_757]	1.64	0.56
1:D:4:LYS:NZ	1:E:295:SER:C[2_757]	1.64	0.56
1:D:13:GLU:C	1:E:128:PRO:N[2_757]	1.64	0.56
1:D:32:ILE:N	1:E:109:PHE:CB[2_757]	1.64	0.56
1:D:40:LEU:CB	1:E:112:PRO:CB[2_757]	1.64	0.56
1:D:68:TYR:CG	1:E:286:GLY:O[2_757]	1.64	0.56
1:D:115:ILE:CD1	1:E:233:TYR:CD2[2_757]	1.64	0.56
1:D:136:HIS:CA	1:F:385:ASN:O[2_757]	1.64	0.56
1:D:210:PHE:CD1	1:F:318:TYR:O[2_757]	1.64	0.56
1:D:211:LEU:CB	1:F:327:THR:CB[2_757]	1.64	0.56
1:D:225:PHE:CB	1:F:393:THR:CG2[2_757]	1.64	0.56
1:D:228:ILE:C	1:F:397:PHE:CA[2_757]	1.64	0.56
1:D:229:PHE:O	1:F:398:LEU:CD1[2_757]	1.64	0.56
1:D:233:TYR:CG	1:F:23:ILE:CA[2_757]	1.64	0.56
1:D:234:GLU:OE1	1:F:30:LYS:CG[2_757]	1.64	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:236:GLN:CD	1:F:335:ILE:CB[2_757]	1.64	0.56
1:D:236:GLN:CG	1:F:335:ILE:CB[2_757]	1.64	0.56
1:D:256:MET:N	1:F:323:LYS:C[2_757]	1.64	0.56
1:D:291:GLY:O	1:E:247:HIS:CA[2_757]	1.64	0.56
1:D:334:SER:CA	1:E:208:ASN:O[2_757]	1.64	0.56
1:D:352:PRO:O	1:E:274:TYR:CG[2_757]	1.64	0.56
1:D:366:LEU:CB	1:E:229:PHE:C[2_757]	1.64	0.56
1:D:366:LEU:CA	1:E:229:PHE:C[2_757]	1.64	0.56
1:D:368:THR:N	1:E:232:VAL:CG1[2_757]	1.64	0.56
1:D:375:MET:N	1:E:236:GLN:N[2_757]	1.64	0.56
1:D:377:LYS:N	1:E:239:SER:C[2_757]	1.64	0.56
1:D:392:VAL:CB	1:E:240:LYS:NZ[2_757]	1.64	0.56
1:D:411:SER:OG	1:E:186:ASN:OD1[2_757]	1.64	0.56
1:D:411:SER:N	1:E:136:HIS:ND1[2_757]	1.64	0.56
1:D:411:SER:N	1:E:136:HIS:CD2[2_757]	1.64	0.56
1:E:49:SER:CA	1:E:177:GLY:CA[2_657]	1.64	0.56
1:E:50:ARG:CG	1:E:148:PRO:O[2_657]	1.64	0.56
1:E:50:ARG:CB	1:E:149:GLY:CA[2_657]	1.64	0.56
1:E:52:ALA:CB	1:E:175:TYR:CA[2_657]	1.64	0.56
1:E:58:THR:CG2	1:F:165:ALA:C[2_657]	1.64	0.56
1:E:59:GLN:C	1:F:162:PRO:CB[2_657]	1.64	0.56
1:A:18:GLU:N	1:B:158:LYS:O[2_757]	1.65	0.55
1:A:28:LYS:CG	1:E:176:LYS:CE[2_657]	1.65	0.55
1:A:44:ASP:CG	1:A:171:LYS:O[2_757]	1.65	0.55
1:A:57:ILE:CD1	1:B:143:THR:CB[2_757]	1.65	0.55
1:A:59:GLN:O	1:B:181:ALA:N[2_757]	1.65	0.55
1:A:81:GLU:O	1:B:224:ARG:NE[2_757]	1.65	0.55
1:A:85:LYS:C	1:B:188:ASP:OD2[2_757]	1.65	0.55
1:A:92:MET:CG	1:B:220:LYS:CA[2_757]	1.65	0.55
1:A:93:TRP:CB	1:A:182:MET:CA[2_757]	1.65	0.55
1:A:93:TRP:CD2	1:A:182:MET:CG[2_757]	1.65	0.55
1:A:118:ILE:CG1	1:F:43:TYR:CD2[2_657]	1.65	0.55
1:A:120:ARG:O	1:C:41:LYS:CB[2_858]	1.65	0.55
1:A:163:THR:OG1	1:A:349:ASP:OD1[2_757]	1.65	0.55
1:A:219:LYS:CA	1:E:37:ASP:OD2[2_757]	1.65	0.55
1:A:261:ILE:CB	1:C:69:GLY:CA[2_858]	1.65	0.55
1:A:265:GLY:C	1:C:342:LEU:O[2_858]	1.65	0.55
1:A:266:GLY:O	1:C:354:LEU:C[2_858]	1.65	0.55
1:A:306:GLU:CB	1:B:152:SER:CB[2_757]	1.65	0.55
1:A:317:HIS:CA	1:B:163:THR:N[2_757]	1.65	0.55
1:A:328:SER:C	1:F:67:LYS:N[2_657]	1.65	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:383:CYS:CB	1:F:42:TYR:N[2_657]	1.65	0.55
1:A:397:PHE:O	1:F:103:ILE:CB[2_657]	1.65	0.55
1:A:410:LYS:CG	1:F:144:ASP:OD1[2_657]	1.65	0.55
1:B:169:THR:N	3:A:1101:NDP:C2N[2_757]	1.65	0.55
1:B:10:PRO:CA	1:E:117:ARG:CZ[2_757]	1.65	0.55
1:B:27:ILE:N	1:C:231:GLU:OE1[2_858]	1.65	0.55
1:B:40:LEU:O	1:E:116:PRO:CD[2_757]	1.65	0.55
1:B:54:SER:C	1:E:337:ALA:C[2_757]	1.65	0.55
1:B:60:ASP:CB	1:E:332:ILE:CB[2_757]	1.65	0.55
1:B:79:PRO:N	1:E:354:LEU:CG[2_757]	1.65	0.55
1:B:81:GLU:O	1:E:349:ASP:CB[2_757]	1.65	0.55
1:B:118:ILE:CG1	1:C:102:ASN:CA[2_858]	1.65	0.55
1:B:118:ILE:CA	1:C:101:ARG:C[2_858]	1.65	0.55
1:B:306:GLU:CB	1:E:404:ARG:CG[2_757]	1.65	0.55
1:B:313:THR:OG1	1:E:356:LYS:CD[2_757]	1.65	0.55
1:B:319:ARG:N	1:C:203:ILE:CG1[2_858]	1.65	0.55
1:B:325:GLU:OE2	1:C:206:LYS:C[2_858]	1.65	0.55
1:B:329:THR:N	1:C:194:PHE:C[2_858]	1.65	0.55
1:B:331:SER:N	1:C:192:GLU:C[2_858]	1.65	0.55
1:B:354:LEU:C	1:C:164:THR:OG1[2_858]	1.65	0.55
1:B:358:ALA:CA	1:D:150:PRO:CD[2_858]	1.65	0.55
1:B:375:MET:CA	1:C:134:HIS:CG[2_858]	1.65	0.55
1:B:379:LEU:CD2	1:C:105:GLY:CA[2_858]	1.65	0.55
1:B:392:VAL:CB	1:C:272:LYS:N[2_858]	1.65	0.55
1:B:404:ARG:CA	1:D:181:ALA:O[2_858]	1.65	0.55
1:B:405:LEU:C	1:D:146:LEU:N[2_858]	1.65	0.55
1:B:406:GLN:CD	1:C:220:LYS:CG[2_858]	1.65	0.55
1:B:408:GLU:CG	1:D:153:LEU:CD2[2_858]	1.65	0.55
1:B:409:ILE:CG2	1:C:168:GLN:NE2[2_858]	1.65	0.55
1:B:411:SER:O	1:C:157:TYR:O[2_858]	1.65	0.55
1:D:2:PHE:C	5:E:1531:HOH:O[2_757]	1.65	0.55
1:D:3:SER:C	1:E:101:ARG:NH2[2_757]	1.65	0.55
1:D:12:VAL:CG1	1:E:125:TRP:O[2_757]	1.65	0.55
1:D:12:VAL:N	1:E:287:PHE:CD1[2_757]	1.65	0.55
1:D:26:LYS:CD	1:E:204:ASP:CB[2_757]	1.65	0.55
1:D:32:ILE:O	1:E:109:PHE:O[2_757]	1.65	0.55
1:D:68:TYR:CA	1:E:121:LEU:C[2_757]	1.65	0.55
1:D:137:GLY:C	1:F:387:GLU:C[2_757]	1.65	0.55
1:D:138:ASP:OD2	1:F:388:ARG:CB[2_757]	1.65	0.55
1:D:188:ASP:CB	1:F:374:ILE:CA[2_757]	1.65	0.55
1:D:197:SER:CA	3:F:1601:NDP:C2A[2_757]	1.65	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:197:SER:CB	3:F:1601:NDP:C2A[2_757]	1.65	0.55
1:D:200:LYS:CA	1:F:311:HIS:NE2[2_757]	1.65	0.55
1:D:202:ALA:CA	1:F:313:THR:CA[2_757]	1.65	0.55
1:D:204:ASP:C	3:F:1601:NDP:C6N[2_757]	1.65	0.55
1:D:205:LYS:CG	3:F:1601:NDP:PN[2_757]	1.65	0.55
1:D:210:PHE:CG	1:F:321:TYR:CB[2_757]	1.65	0.55
1:D:233:TYR:N	1:F:398:LEU:CD1[2_757]	1.65	0.55
1:D:241:PHE:CZ	1:F:19:MET:O[2_757]	1.65	0.55
1:D:248:TYR:CA	1:F:22:ILE:CD1[2_757]	1.65	0.55
1:D:268:ILE:CA	1:F:315:THR:C[2_757]	1.65	0.55
1:D:269:MET:CB	1:F:320:LYS:N[2_757]	1.65	0.55
1:D:303:LYS:NZ	1:F:287:PHE:CE2[2_757]	1.65	0.55
1:D:337:ALA:CB	1:E:267:PHE:CG[2_757]	1.65	0.55
1:D:343:LEU:CG	1:E:253:ILE:CD1[2_757]	1.65	0.55
1:D:346:GLY:CA	1:E:279:GLN:NE2[2_757]	1.65	0.55
1:D:349:ASP:OD2	1:E:282:ILE:CB[2_757]	1.65	0.55
1:D:356:LYS:CG	1:E:274:TYR:CB[2_757]	1.65	0.55
1:D:358:ALA:CB	1:E:271:LEU:CD1[2_757]	1.65	0.55
1:D:359:ASN:N	5:E:1517:HOH:O[2_757]	1.65	0.55
1:D:362:GLU:N	1:E:270:ALA:CB[2_757]	1.65	0.55
1:D:363:SER:CA	1:E:229:PHE:CD1[2_757]	1.65	0.55
1:D:364:ALA:CA	1:E:195:ALA:CA[2_757]	1.65	0.55
1:D:368:THR:CG2	1:E:237:TYR:CE1[2_757]	1.65	0.55
1:D:369:VAL:CG2	1:E:233:TYR:O[2_757]	1.65	0.55
1:D:374:ILE:C	1:E:236:GLN:CG[2_757]	1.65	0.55
1:D:398:LEU:O	1:E:200:LYS:CA[2_757]	1.65	0.55
1:D:409:ILE:C	1:E:136:HIS:CB[2_757]	1.65	0.55
1:D:411:SER:C	1:E:137:GLY:CA[2_757]	1.65	0.55
1:E:92:MET:CA	1:E:146:LEU:CD2[2_657]	1.65	0.55
1:A:3:SER:CB	1:E:170:LEU:N[2_657]	1.66	0.54
1:A:12:VAL:CG2	1:A:166:GLN:O[2_757]	1.66	0.54
1:A:34:PRO:CA	1:E:173:TYR:CA[2_657]	1.66	0.54
1:A:35:TYR:O	1:E:171:LYS:CE[2_657]	1.66	0.54
1:A:44:ASP:CB	1:A:171:LYS:O[2_757]	1.66	0.54
1:A:46:SER:C	1:A:153:LEU:CB[2_757]	1.66	0.54
1:A:49:SER:CB	1:A:172:VAL:O[2_757]	1.66	0.54
1:A:60:ASP:CB	1:B:145:THR:CA[2_757]	1.66	0.54
1:A:61:ALA:C	1:B:147:ILE:CD1[2_757]	1.66	0.54
1:A:63:GLU:CG	1:B:179:GLY:C[2_757]	1.66	0.54
1:A:74:CYS:C	1:B:156:VAL:CG2[2_757]	1.66	0.54
1:A:100:ILE:CB	1:B:153:LEU:CB[2_757]	1.66	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:103:ILE:CA	1:B:173:TYR:CE1[2_757]	1.66	0.54
1:A:129:ILE:CG2	1:C:349:ASP:OD2[2_858]	1.66	0.54
1:A:149:GLY:CA	1:A:319:ARG:NH1[2_757]	1.66	0.54
1:A:217:ILE:CB	1:E:4:LYS:CB[2_757]	1.66	0.54
1:A:267:PHE:N	1:C:354:LEU:CB[2_858]	1.66	0.54
1:A:317:HIS:N	1:B:163:THR:N[2_757]	1.66	0.54
1:A:327:THR:N	1:F:303:LYS:O[2_657]	1.66	0.54
1:A:367:ASN:CA	1:F:55:ASP:CG[2_657]	1.66	0.54
1:A:372:ASP:CG	1:F:96:PRO:CG[2_657]	1.66	0.54
1:A:378:ASP:CA	1:F:68:TYR:CD1[2_657]	1.66	0.54
1:A:380:ALA:O	1:F:41:LYS:N[2_657]	1.66	0.54
1:A:394:THR:CG2	1:F:66:LYS:NZ[2_657]	1.66	0.54
1:B:168:GLN:CG	3:A:1101:NDP:C4D[2_757]	1.66	0.54
1:B:12:VAL:C	1:E:367:ASN:CA[2_757]	1.66	0.54
1:B:19:MET:O	1:C:232:VAL:CG1[2_858]	1.66	0.54
1:B:45:LEU:CG	1:E:362:GLU:N[2_757]	1.66	0.54
1:B:59:GLN:CG	1:E:335:ILE:N[2_757]	1.66	0.54
1:B:84:VAL:CB	1:E:349:ASP:CG[2_757]	1.66	0.54
1:B:102:ASN:OD1	1:E:30:LYS:CB[2_757]	1.66	0.54
1:B:110:ARG:CG	1:E:410:LYS:CD[2_757]	1.66	0.54
1:B:122:VAL:CB	1:C:64:ALA:C[2_858]	1.66	0.54
1:B:124:ARG:CD	5:C:1340:HOH:O[2_858]	1.66	0.54
1:B:140:TYR:O	1:E:34:PRO:CA[2_757]	1.66	0.54
1:B:285:GLN:OE1	1:C:303:LYS:N[2_858]	1.66	0.54
1:B:291:GLY:CA	1:C:300:PRO:CG[2_858]	1.66	0.54
1:B:322:GLN:CA	1:C:241:PHE:CG[2_858]	1.66	0.54
1:B:325:GLU:CA	1:C:208:ASN:C[2_858]	1.66	0.54
1:B:360:ILE:CB	1:C:157:TYR:CE1[2_858]	1.66	0.54
1:B:362:GLU:OE1	1:D:176:LYS:C[2_858]	1.66	0.54
1:B:364:ALA:CA	1:D:175:TYR:OH[2_858]	1.66	0.54
1:B:387:GLU:CA	1:C:280:SER:CB[2_858]	1.66	0.54
1:B:398:LEU:CD2	1:C:228:ILE:CG1[2_858]	1.66	0.54
1:B:407:LYS:CG	1:D:144:ASP:C[2_858]	1.66	0.54
1:B:409:ILE:CA	1:C:168:GLN:NE2[2_858]	1.66	0.54
1:B:411:SER:C	1:C:168:GLN:O[2_858]	1.66	0.54
1:C:314:VAL:C	1:C:323:LYS:CG[2_958]	1.66	0.54
1:C:316:ARG:O	1:C:321:TYR:N[2_958]	1.66	0.54
1:D:6:LYS:O	1:E:281:ASP:CG[2_757]	1.66	0.54
1:D:7:VAL:CG1	1:E:280:SER:C[2_757]	1.66	0.54
1:D:13:GLU:CA	1:E:128:PRO:N[2_757]	1.66	0.54
1:D:14:LEU:CG	1:E:127:LYS:N[2_757]	1.66	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:26:LYS:CG	1:E:204:ASP:C[2_757]	1.66	0.54
1:D:28:LYS:CB	1:E:130:ILE:CD1[2_757]	1.66	0.54
1:D:28:LYS:CD	1:E:111:GLU:OE1[2_757]	1.66	0.54
1:D:40:LEU:N	1:E:112:PRO:CA[2_757]	1.66	0.54
1:D:134:HIS:CD2	1:F:377:LYS:CB[2_757]	1.66	0.54
1:D:135:ALA:N	1:F:381:LEU:CD1[2_757]	1.66	0.54
1:D:136:HIS:CD2	1:F:385:ASN:N[2_757]	1.66	0.54
1:D:192:GLU:C	1:F:376:THR:OG1[2_757]	1.66	0.54
1:D:205:LYS:CB	3:F:1601:NDP:O4D[2_757]	1.66	0.54
1:D:210:PHE:CB	1:F:321:TYR:N[2_757]	1.66	0.54
1:D:228:ILE:N	1:F:396:GLU:O[2_757]	1.66	0.54
1:D:236:GLN:CG	1:F:335:ILE:N[2_757]	1.66	0.54
1:D:238:LYS:N	1:F:24:TRP:CA[2_757]	1.66	0.54
1:D:238:LYS:CG	1:F:24:TRP:O[2_757]	1.66	0.54
1:D:241:PHE:CA	1:F:74:CYS:SG[2_757]	1.66	0.54
1:D:242:GLU:C	1:F:15:ASP:OD1[2_757]	1.66	0.54
1:D:256:MET:SD	1:F:323:LYS:N[2_757]	1.66	0.54
1:D:291:GLY:O	1:E:247:HIS:C[2_757]	1.66	0.54
1:D:338:TRP:CG	1:E:267:PHE:O[2_757]	1.66	0.54
1:D:343:LEU:C	1:E:257:VAL:CG1[2_757]	1.66	0.54
1:D:345:ARG:CD	1:E:282:ILE:O[2_757]	1.66	0.54
1:D:352:PRO:CB	1:E:274:TYR:OH[2_757]	1.66	0.54
1:D:353:ALA:CA	1:E:274:TYR:O[2_757]	1.66	0.54
1:D:358:ALA:CB	1:E:271:LEU:CB[2_757]	1.66	0.54
1:D:369:VAL:CA	1:E:232:VAL:CA[2_757]	1.66	0.54
1:D:369:VAL:N	1:E:232:VAL:CB[2_757]	1.66	0.54
1:D:406:GLN:CA	1:E:106:GLY:CA[2_757]	1.66	0.54
1:D:410:LYS:C	1:E:136:HIS:CD2[2_757]	1.66	0.54
1:E:61:ALA:CB	1:F:161:ASP:CG[2_657]	1.66	0.54
1:E:85:LYS:CA	1:F:224:ARG:O[2_657]	1.66	0.54
1:A:10:PRO:O	1:A:166:GLN:CG[2_757]	1.67	0.53
1:A:28:LYS:CG	1:E:176:LYS:NZ[2_657]	1.67	0.53
1:A:36:LEU:CA	1:E:171:LYS:CE[2_657]	1.67	0.53
1:A:57:ILE:CG1	1:B:143:THR:O[2_757]	1.67	0.53
1:A:83:ARG:CZ	1:A:148:PRO:N[2_757]	1.67	0.53
1:A:92:MET:CG	1:B:220:LYS:O[2_757]	1.67	0.53
1:A:93:TRP:CE3	1:A:182:MET:CE[2_757]	1.67	0.53
1:A:102:ASN:CG	1:A:185:TYR:OH[2_757]	1.67	0.53
1:A:120:ARG:CD	1:C:40:LEU:CD2[2_858]	1.67	0.53
1:A:123:PRO:O	1:C:12:VAL:O[2_858]	1.67	0.53
1:A:125:TRP:CD2	1:C:10:PRO:O[2_858]	1.67	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:216:THR:N	1:E:6:LYS:N[2_757]	1.67	0.53
1:A:262:LYS:O	1:C:305:PHE:CB[2_858]	1.67	0.53
1:A:264:LYS:NZ	1:C:337:ALA:O[2_858]	1.67	0.53
1:A:267:PHE:CB	1:C:346:GLY:CA[2_858]	1.67	0.53
1:A:268:ILE:O	1:C:350:ASN:CA[2_858]	1.67	0.53
1:A:269:MET:CA	1:C:349:ASP:O[2_858]	1.67	0.53
1:A:320:LYS:CG	1:B:163:THR:CB[2_757]	1.67	0.53
1:A:383:CYS:CA	1:F:42:TYR:CB[2_657]	1.67	0.53
1:A:386:ASN:ND2	1:F:38:VAL:C[2_657]	1.67	0.53
1:A:391:TYR:CE1	1:F:69:GLY:C[2_657]	1.67	0.53
1:A:398:LEU:N	1:F:103:ILE:CA[2_657]	1.67	0.53
1:A:400:ALA:N	1:F:101:ARG:C[2_657]	1.67	0.53
1:A:406:GLN:CG	1:F:141:LYS:C[2_657]	1.67	0.53
1:B:23:ILE:N	1:C:232:VAL:CG2[2_858]	1.67	0.53
1:B:26:LYS:CG	1:C:227:ASP:O[2_858]	1.67	0.53
1:B:26:LYS:CE	1:C:230:GLN:C[2_858]	1.67	0.53
1:B:39:ASP:OD1	1:E:116:PRO:O[2_757]	1.67	0.53
1:B:43:TYR:OH	1:E:115:ILE:CD1[2_757]	1.67	0.53
1:B:47:VAL:C	1:E:343:LEU:CD1[2_757]	1.67	0.53
1:B:67:LYS:CB	1:E:375:MET:CB[2_757]	1.67	0.53
1:B:83:ARG:CZ	1:E:352:PRO:CG[2_757]	1.67	0.53
1:B:84:VAL:CG2	1:E:349:ASP:OD2[2_757]	1.67	0.53
1:B:93:TRP:CB	1:E:342:LEU:CD2[2_757]	1.67	0.53
1:B:99:THR:CB	1:E:31:LEU:CB[2_757]	1.67	0.53
1:B:123:PRO:CA	1:C:61:ALA:O[2_858]	1.67	0.53
1:B:140:TYR:O	1:E:34:PRO:CB[2_757]	1.67	0.53
1:B:308:GLU:OE1	1:E:408:GLU:CA[2_757]	1.67	0.53
1:B:321:TYR:CE1	1:C:233:TYR:CE1[2_858]	1.67	0.53
1:B:330:ASN:C	1:C:192:GLU:C[2_858]	1.67	0.53
1:B:386:ASN:O	1:C:110:ARG:CA[2_858]	1.67	0.53
1:B:386:ASN:ND2	1:C:295:SER:N[2_858]	1.67	0.53
1:B:389:SER:O	1:C:276:GLY:C[2_858]	1.67	0.53
1:B:389:SER:O	1:C:275:ASP:O[2_858]	1.67	0.53
1:B:402:GLU:O	1:D:146:LEU:CD1[2_858]	1.67	0.53
1:B:404:ARG:NE	1:C:184:MET:C[2_858]	1.67	0.53
1:B:409:ILE:C	1:C:168:GLN:OE1[2_858]	1.67	0.53
1:B:410:LYS:CG	1:C:170:LEU:CD1[2_858]	1.67	0.53
1:B:411:SER:CA	1:C:169:THR:N[2_858]	1.67	0.53
1:C:326:GLU:OE2	1:C:328:SER:CB[2_958]	1.67	0.53
1:D:3:SER:CA	5:E:1531:HOH:O[2_757]	1.67	0.53
1:D:4:LYS:CE	1:E:295:SER:O[2_757]	1.67	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:7:VAL:CA	1:E:281:ASP:CA[2_757]	1.67	0.53
1:D:13:GLU:CB	1:E:128:PRO:N[2_757]	1.67	0.53
1:D:24:TRP:CH2	1:E:266:GLY:CA[2_757]	1.67	0.53
1:D:24:TRP:CA	1:E:205:LYS:O[2_757]	1.67	0.53
1:D:38:VAL:CA	1:E:293:MET:CB[2_757]	1.67	0.53
1:D:42:TYR:N	1:E:114:VAL:CG2[2_757]	1.67	0.53
1:D:113:ILE:CD1	1:E:249:GLU:CB[2_757]	1.67	0.53
1:D:134:HIS:CG	1:F:377:LYS:CB[2_757]	1.67	0.53
1:D:136:HIS:CD2	1:F:385:ASN:O[2_757]	1.67	0.53
1:D:137:GLY:C	1:F:387:GLU:N[2_757]	1.67	0.53
1:D:196:HIS:CE1	1:F:332:ILE:CG1[2_757]	1.67	0.53
1:D:196:HIS:CA	1:F:330:ASN:CG[2_757]	1.67	0.53
1:D:196:HIS:NE2	1:F:332:ILE:CB[2_757]	1.67	0.53
1:D:225:PHE:CE2	1:F:391:TYR:CE1[2_757]	1.67	0.53
1:D:238:LYS:CG	1:F:24:TRP:C[2_757]	1.67	0.53
1:D:243:GLN:CB	1:F:15:ASP:N[2_757]	1.67	0.53
1:D:296:ILE:CD1	1:E:259:GLN:C[2_757]	1.67	0.53
1:D:303:LYS:CB	1:F:286:GLY:C[2_757]	1.67	0.53
1:D:328:SER:CA	1:E:243:GLN:OE1[2_757]	1.67	0.53
1:D:333:ALA:N	1:E:247:HIS:C[2_757]	1.67	0.53
1:D:337:ALA:N	1:E:210:PHE:CD1[2_757]	1.67	0.53
1:D:344:LYS:CE	1:E:257:VAL:C[2_757]	1.67	0.53
1:D:344:LYS:CB	1:E:257:VAL:O[2_757]	1.67	0.53
1:D:355:CYS:CB	1:E:275:ASP:OD1[2_757]	1.67	0.53
1:D:408:GLU:O	1:E:134:HIS:CD2[2_757]	1.67	0.53
1:E:50:ARG:NE	1:E:148:PRO:O[2_657]	1.67	0.53
1:E:50:ARG:N	1:E:149:GLY:CA[2_657]	1.67	0.53
1:E:52:ALA:O	1:E:175:TYR:N[2_657]	1.67	0.53
1:E:54:SER:OG	1:E:153:LEU:CD2[2_657]	1.67	0.53
1:E:55:ASP:C	1:F:157:TYR:CZ[2_657]	1.67	0.53
1:A:21:ARG:N	1:B:158:LYS:CB[2_757]	1.68	0.52
1:A:48:GLU:CB	1:A:173:TYR:CD1[2_757]	1.68	0.52
1:A:51:ASP:O	1:B:138:ASP:C[2_757]	1.68	0.52
1:A:55:ASP:O	1:B:182:MET:C[2_757]	1.68	0.52
1:A:63:GLU:OE1	1:B:180:VAL:CA[2_757]	1.68	0.52
1:A:74:CYS:C	1:B:156:VAL:CB[2_757]	1.68	0.52
1:A:75:ALA:C	1:B:156:VAL:CA[2_757]	1.68	0.52
1:A:76:THR:CB	1:B:155:LEU:C[2_757]	1.68	0.52
1:A:78:THR:C	1:A:145:THR:OG1[2_757]	1.68	0.52
1:A:83:ARG:NE	1:A:148:PRO:CD[2_757]	1.68	0.52
1:A:89:LEU:CD1	1:A:180:VAL:CB[2_757]	1.68	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:117:ARG:CB	1:F:44:ASP:O[2_657]	1.68	0.52
1:A:131:ILE:CG1	1:C:8:LYS:CD[2_858]	1.68	0.52
1:A:219:LYS:N	1:E:37:ASP:CA[2_757]	1.68	0.52
1:A:219:LYS:C	1:E:37:ASP:OD2[2_757]	1.68	0.52
1:A:269:MET:SD	1:C:348:LEU:O[2_858]	1.68	0.52
1:A:318:TYR:CG	1:B:159:PRO:C[2_757]	1.68	0.52
1:A:372:ASP:OD1	1:F:96:PRO:CG[2_657]	1.68	0.52
1:A:380:ALA:O	1:F:41:LYS:C[2_657]	1.68	0.52
1:A:384:GLY:C	1:F:40:LEU:CA[2_657]	1.68	0.52
1:A:398:LEU:C	1:F:102:ASN:O[2_657]	1.68	0.52
1:A:402:GLU:N	1:F:102:ASN:OD1[2_657]	1.68	0.52
1:F:66:LYS:CG	5:A:1105:HOH:O[2_657]	1.68	0.52
1:B:164:THR:N	5:A:1107:HOH:O[2_757]	1.68	0.52
1:B:11:VAL:CG1	1:E:371:GLN:CA[2_757]	1.68	0.52
1:B:63:GLU:OE2	1:E:331:SER:CA[2_757]	1.68	0.52
1:B:70:VAL:CG1	1:E:372:ASP:OD1[2_757]	1.68	0.52
1:B:70:VAL:CA	1:E:372:ASP:OD1[2_757]	1.68	0.52
1:B:71:GLY:N	1:E:372:ASP:OD1[2_757]	1.68	0.52
1:B:73:LYS:CE	1:E:360:ILE:C[2_757]	1.68	0.52
1:B:76:THR:OG1	1:E:360:ILE:CG1[2_757]	1.68	0.52
1:B:78:THR:CB	1:E:5:ILE:CD1[2_757]	1.68	0.52
1:B:90:HIS:NE2	1:E:305:PHE:O[2_757]	1.68	0.52
1:B:104:LEU:CA	1:E:399:ASP:CA[2_757]	1.68	0.52
1:B:117:ARG:CG	1:C:140:TYR:O[2_858]	1.68	0.52
1:B:117:ARG:NE	1:C:140:TYR:C[2_858]	1.68	0.52
1:B:118:ILE:C	1:C:100:ILE:O[2_858]	1.68	0.52
1:B:119:PRO:CA	1:C:100:ILE:CB[2_858]	1.68	0.52
1:B:122:VAL:CG2	1:C:67:LYS:N[2_858]	1.68	0.52
1:B:285:GLN:O	1:C:304:THR:CB[2_858]	1.68	0.52
1:B:297:LEU:CG	1:E:403:LYS:CB[2_757]	1.68	0.52
1:B:310:ALA:CB	1:E:410:LYS:O[2_757]	1.68	0.52
1:B:317:HIS:C	1:C:199:PHE:O[2_858]	1.68	0.52
1:B:319:ARG:CG	1:C:203:ILE:CG2[2_858]	1.68	0.52
1:B:323:LYS:CE	1:C:206:LYS:CA[2_858]	1.68	0.52
1:B:330:ASN:ND2	1:C:190:SER:O[2_858]	1.68	0.52
1:B:331:SER:CA	1:C:192:GLU:CB[2_858]	1.68	0.52
1:B:363:SER:N	1:D:175:TYR:CA[2_858]	1.68	0.52
1:B:377:LYS:CE	1:C:109:PHE:CD1[2_858]	1.68	0.52
1:B:379:LEU:N	1:C:106:GLY:O[2_858]	1.68	0.52
1:B:383:CYS:CA	1:C:101:ARG:CD[2_858]	1.68	0.52
1:D:24:TRP:O	1:E:205:LYS:CD[2_757]	1.68	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:26:LYS:N	1:E:205:LYS:CG[2_757]	1.68	0.52
1:D:38:VAL:CG1	1:E:293:MET:CE[2_757]	1.68	0.52
1:D:65:ILE:O	1:E:122:VAL:CA[2_757]	1.68	0.52
1:D:68:TYR:CD1	1:E:121:LEU:N[2_757]	1.68	0.52
1:D:191:ILE:CB	1:F:392:VAL:N[2_757]	1.68	0.52
1:D:194:PHE:CD1	1:F:328:SER:OG[2_757]	1.68	0.52
1:D:210:PHE:N	1:F:19:MET:CE[2_757]	1.68	0.52
1:D:228:ILE:CB	1:F:397:PHE:CA[2_757]	1.68	0.52
1:D:229:PHE:CG	1:F:394:THR:CB[2_757]	1.68	0.52
1:D:234:GLU:CA	1:F:27:ILE:N[2_757]	1.68	0.52
1:D:238:LYS:C	1:F:24:TRP:CG[2_757]	1.68	0.52
1:D:246:ILE:CG1	1:F:17:ASP:C[2_757]	1.68	0.52
1:D:249:GLU:CA	1:F:321:TYR:CE1[2_757]	1.68	0.52
1:D:301:ASP:CB	1:F:288:GLY:CA[2_757]	1.68	0.52
1:D:333:ALA:C	1:E:208:ASN:C[2_757]	1.68	0.52
1:D:336:PHE:CB	1:E:209:LEU:C[2_757]	1.68	0.52
1:D:344:LYS:CD	1:E:257:VAL:O[2_757]	1.68	0.52
1:D:345:ARG:O	1:E:282:ILE:CG1[2_757]	1.68	0.52
1:D:352:PRO:O	1:E:274:TYR:C[2_757]	1.68	0.52
1:D:357:PHE:C	1:E:271:LEU:O[2_757]	1.68	0.52
1:D:361:LEU:CB	1:E:270:ALA:CA[2_757]	1.68	0.52
1:D:368:THR:CB	1:E:232:VAL:CG1[2_757]	1.68	0.52
1:D:369:VAL:CB	1:E:232:VAL:C[2_757]	1.68	0.52
1:D:401:VAL:O	1:E:196:HIS:C[2_757]	1.68	0.52
1:D:404:ARG:CA	1:E:193:GLY:C[2_757]	1.68	0.52
1:E:58:THR:CA	1:F:165:ALA:CB[2_657]	1.68	0.52
1:E:86:GLU:CB	1:F:228:ILE:CA[2_657]	1.68	0.52
1:E:87:PHE:CB	1:F:188:ASP:CA[2_657]	1.68	0.52
1:A:2:PHE:CG	1:E:155:LEU:CB[2_657]	1.69	0.51
1:A:14:LEU:N	1:A:168:GLN:O[2_757]	1.69	0.51
1:A:45:LEU:CB	1:A:155:LEU:CA[2_757]	1.69	0.51
1:A:46:SER:N	1:A:153:LEU:C[2_757]	1.69	0.51
1:A:59:GLN:O	1:B:181:ALA:CB[2_757]	1.69	0.51
1:A:83:ARG:CD	1:A:147:ILE:C[2_757]	1.69	0.51
1:A:86:GLU:CA	1:A:178:SER:O[2_757]	1.69	0.51
1:A:90:HIS:CE1	1:B:272:LYS:CB[2_757]	1.69	0.51
1:A:92:MET:N	1:B:221:TYR:CA[2_757]	1.69	0.51
1:A:93:TRP:CE3	1:A:182:MET:CG[2_757]	1.69	0.51
1:A:101:ARG:NH1	1:B:171:LYS:CB[2_757]	1.69	0.51
1:A:101:ARG:CG	1:B:171:LYS:CE[2_757]	1.69	0.51
1:A:104:LEU:CB	1:B:175:TYR:N[2_757]	1.69	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:111:GLU:CD	1:C:6:LYS:CA[2_858]	1.69	0.51
1:A:119:PRO:CB	1:C:42:TYR:N[2_858]	1.69	0.51
1:A:120:ARG:N	1:C:42:TYR:N[2_858]	1.69	0.51
1:A:123:PRO:CB	1:C:12:VAL:C[2_858]	1.69	0.51
1:A:141:LYS:CB	1:A:141:LYS:CE[2_757]	1.69	0.51
1:A:160:SER:N	1:A:305:PHE:N[2_757]	1.69	0.51
1:A:207:LEU:CB	1:C:352:PRO:O[2_858]	1.69	0.51
1:A:214:LYS:NZ	1:E:3:SER:OG[2_757]	1.69	0.51
1:A:216:THR:O	1:E:5:ILE:O[2_757]	1.69	0.51
1:A:256:MET:O	1:C:348:LEU:CD2[2_858]	1.69	0.51
1:A:262:LYS:CB	1:C:304:THR:C[2_858]	1.69	0.51
1:A:267:PHE:CD1	1:C:346:GLY:CA[2_858]	1.69	0.51
1:A:267:PHE:C	1:C:351:THR:C[2_858]	1.69	0.51
1:A:269:MET:N	1:C:350:ASN:O[2_858]	1.69	0.51
1:A:283:VAL:N	1:C:9:GLN:NE2[2_858]	1.69	0.51
1:A:287:PHE:CE1	1:C:9:GLN:C[2_858]	1.69	0.51
1:A:317:HIS:CB	1:B:162:PRO:CA[2_757]	1.69	0.51
1:A:321:TYR:CB	1:B:160:SER:O[2_757]	1.69	0.51
1:A:327:THR:O	1:F:304:THR:CB[2_657]	1.69	0.51
1:A:332:ILE:CA	1:F:63:GLU:OE2[2_657]	1.69	0.51
1:A:370:GLN:CA	1:F:57:ILE:CG2[2_657]	1.69	0.51
1:A:381:LEU:CD2	1:F:10:PRO:C[2_657]	1.69	0.51
1:A:389:SER:CB	1:F:337:ALA:O[2_657]	1.69	0.51
1:A:390:ALA:N	1:F:72:ILE:CA[2_657]	1.69	0.51
1:A:398:LEU:CA	1:F:103:ILE:O[2_657]	1.69	0.51
1:A:400:ALA:O	1:F:99:THR:N[2_657]	1.69	0.51
1:A:402:GLU:O	1:F:141:LYS:CD[2_657]	1.69	0.51
1:A:404:ARG:CB	1:F:99:THR:OG1[2_657]	1.69	0.51
1:B:168:GLN:OE1	3:A:1101:NDP:O2D[2_757]	1.69	0.51
1:B:168:GLN:CG	3:A:1101:NDP:C2D[2_757]	1.69	0.51
1:B:42:TYR:O	1:E:114:VAL:O[2_757]	1.69	0.51
1:B:43:TYR:N	1:E:366:LEU:CD1[2_757]	1.69	0.51
1:B:53:THR:CG2	1:E:340:ARG:CG[2_757]	1.69	0.51
1:B:60:ASP:N	1:E:332:ILE:O[2_757]	1.69	0.51
1:B:63:GLU:CG	1:E:331:SER:OG[2_757]	1.69	0.51
1:B:78:THR:C	1:E:354:LEU:N[2_757]	1.69	0.51
1:B:84:VAL:CA	1:E:349:ASP:N[2_757]	1.69	0.51
1:B:89:LEU:CD1	1:E:346:GLY:CA[2_757]	1.69	0.51
1:B:140:TYR:CB	1:E:34:PRO:CA[2_757]	1.69	0.51
1:B:287:PHE:CB	1:C:66:LYS:CD[2_858]	1.69	0.51
1:B:289:SER:CA	1:C:299:THR:CG2[2_858]	1.69	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:297:LEU:CD2	1:E:403:LYS:N[2_757]	1.69	0.51
1:B:297:LEU:CG	1:E:403:LYS:O[2_757]	1.69	0.51
1:B:326:GLU:CB	1:C:209:LEU:CD2[2_858]	1.69	0.51
1:B:326:GLU:OE1	1:C:270:ALA:N[2_858]	1.69	0.51
1:B:359:ASN:N	1:D:150:PRO:C[2_858]	1.69	0.51
1:B:359:ASN:O	1:D:175:TYR:CB[2_858]	1.69	0.51
1:B:365:THR:CA	1:C:186:ASN:O[2_858]	1.69	0.51
1:B:370:GLN:CD	1:C:141:LYS:CE[2_858]	1.69	0.51
1:B:372:ASP:CB	1:C:184:MET:SD[2_858]	1.69	0.51
1:B:396:GLU:O	1:C:225:PHE:CD1[2_858]	1.69	0.51
1:E:353:ALA:CA	3:B:1201:NDP:O3D[2_757]	1.69	0.51
1:C:388:ARG:CB	1:C:392:VAL:CA[2_958]	1.69	0.51
1:D:4:LYS:N	1:E:308:GLU:OE1[2_757]	1.69	0.51
1:D:5:ILE:CG1	1:E:133:ARG:CZ[2_757]	1.69	0.51
1:D:28:LYS:CB	1:E:111:GLU:OE2[2_757]	1.69	0.51
1:D:32:ILE:C	1:E:109:PHE:CA[2_757]	1.69	0.51
1:D:33:LEU:N	1:E:109:PHE:O[2_757]	1.69	0.51
1:D:38:VAL:C	1:E:293:MET:CG[2_757]	1.69	0.51
1:D:73:LYS:N	1:E:266:GLY:N[2_757]	1.69	0.51
1:D:186:ASN:OD1	1:F:390:ALA:C[2_757]	1.69	0.51
1:D:197:SER:N	3:F:1601:NDP:N1A[2_757]	1.69	0.51
1:D:200:LYS:O	1:F:312:GLY:O[2_757]	1.69	0.51
1:D:223:GLY:C	1:F:396:GLU:CD[2_757]	1.69	0.51
1:D:227:ASP:N	1:F:396:GLU:CA[2_757]	1.69	0.51
1:D:239:SER:C	1:F:24:TRP:NE1[2_757]	1.69	0.51
1:D:241:PHE:N	1:F:74:CYS:SG[2_757]	1.69	0.51
1:D:241:PHE:CD1	1:F:20:THR:CA[2_757]	1.69	0.51
1:D:245:GLY:N	1:F:16:GLY:O[2_757]	1.69	0.51
1:D:266:GLY:CA	1:F:319:ARG:CZ[2_757]	1.69	0.51
1:D:294:THR:C	1:E:251:ARG:NH2[2_757]	1.69	0.51
1:D:306:GLU:O	1:E:263:SER:CB[2_757]	1.69	0.51
1:D:333:ALA:C	1:E:209:LEU:N[2_757]	1.69	0.51
1:D:346:GLY:CA	1:E:279:GLN:CD[2_757]	1.69	0.51
1:D:362:GLU:CG	1:E:211:LEU:CB[2_757]	1.69	0.51
1:D:366:LEU:CD1	1:E:248:TYR:OH[2_757]	1.69	0.51
1:D:374:ILE:N	1:E:236:GLN:CD[2_757]	1.69	0.51
1:D:398:LEU:CD1	1:E:203:ILE:CA[2_757]	1.69	0.51
1:D:404:ARG:CA	1:E:193:GLY:O[2_757]	1.69	0.51
1:F:386:ASN:CB	5:D:1405:HOH:O[2_757]	1.69	0.51
1:E:50:ARG:CA	1:E:149:GLY:C[2_657]	1.69	0.51
1:E:52:ALA:C	1:E:175:TYR:CD1[2_657]	1.69	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:52:ALA:C	1:E:175:TYR:CA[2_657]	1.69	0.51
1:E:81:GLU:C	1:F:227:ASP:CB[2_657]	1.69	0.51
1:E:82:ALA:C	1:F:227:ASP:C[2_657]	1.69	0.51
1:E:93:TRP:CZ3	1:E:147:ILE:CD1[2_657]	1.69	0.51
1:A:52:ALA:C	1:B:141:LYS:C[2_757]	1.70	0.50
1:A:55:ASP:CG	1:A:183:ALA:CA[2_757]	1.70	0.50
1:A:64:ALA:CA	1:B:148:PRO:CD[2_757]	1.70	0.50
1:A:74:CYS:CA	5:B:1213:HOH:O[2_757]	1.70	0.50
1:A:78:THR:O	1:A:145:THR:CA[2_757]	1.70	0.50
1:A:79:PRO:CD	1:A:181:ALA:O[2_757]	1.70	0.50
1:A:87:PHE:CE2	1:A:175:TYR:CD2[2_757]	1.70	0.50
1:A:95:SER:N	1:A:143:THR:CG2[2_757]	1.70	0.50
1:A:101:ARG:CG	1:B:171:LYS:CD[2_757]	1.70	0.50
1:A:104:LEU:CB	1:B:174:ASP:CA[2_757]	1.70	0.50
1:A:119:PRO:CG	1:C:42:TYR:CB[2_858]	1.70	0.50
1:A:120:ARG:NE	1:C:40:LEU:CD2[2_858]	1.70	0.50
1:A:123:PRO:CB	1:C:13:GLU:N[2_858]	1.70	0.50
1:A:150:PRO:N	5:A:1124:HOH:O[2_757]	1.70	0.50
1:A:210:PHE:C	1:C:350:ASN:CG[2_858]	1.70	0.50
1:A:219:LYS:CE	1:E:38:VAL:CG1[2_757]	1.70	0.50
1:A:258:ALA:CB	1:C:303:LYS:CA[2_858]	1.70	0.50
1:A:263:SER:OG	1:C:344:LYS:C[2_858]	1.70	0.50
1:A:314:VAL:CA	1:B:167:PRO:N[2_757]	1.70	0.50
1:A:317:HIS:CA	1:B:162:PRO:O[2_757]	1.70	0.50
1:A:328:SER:CB	1:F:69:GLY:N[2_657]	1.70	0.50
1:A:367:ASN:CG	1:F:55:ASP:CA[2_657]	1.70	0.50
1:A:376:THR:OG1	1:F:64:ALA:C[2_657]	1.70	0.50
1:A:397:PHE:CG	1:F:62:ALA:CB[2_657]	1.70	0.50
1:A:410:LYS:C	1:E:220:LYS:CE[2_657]	1.70	0.50
1:B:10:PRO:N	1:E:117:ARG:CD[2_757]	1.70	0.50
1:B:12:VAL:N	1:E:370:GLN:C[2_757]	1.70	0.50
1:B:19:MET:N	1:C:236:GLN:CG[2_858]	1.70	0.50
1:B:22:ILE:CB	1:C:232:VAL:CA[2_858]	1.70	0.50
1:B:22:ILE:CG1	1:C:233:TYR:C[2_858]	1.70	0.50
1:B:23:ILE:N	1:C:232:VAL:CB[2_858]	1.70	0.50
1:B:39:ASP:OD1	1:E:117:ARG:N[2_757]	1.70	0.50
1:B:43:TYR:CD1	1:E:366:LEU:CB[2_757]	1.70	0.50
1:B:81:GLU:CB	1:E:8:LYS:CA[2_757]	1.70	0.50
1:B:83:ARG:CA	1:E:350:ASN:C[2_757]	1.70	0.50
1:B:84:VAL:CB	1:E:349:ASP:CB[2_757]	1.70	0.50
1:B:85:LYS:N	1:E:350:ASN:N[2_757]	1.70	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:93:TRP:CD1	1:E:342:LEU:O[2_757]	1.70	0.50
1:B:104:LEU:N	1:E:398:LEU:O[2_757]	1.70	0.50
1:B:115:ILE:O	1:C:102:ASN:C[2_858]	1.70	0.50
1:B:118:ILE:CG1	1:C:101:ARG:O[2_858]	1.70	0.50
1:B:141:LYS:CG	1:E:29:LYS:C[2_757]	1.70	0.50
1:B:216:THR:O	1:B:220:LYS:CE[2_757]	1.70	0.50
1:B:290:LEU:CD1	1:C:301:ASP:CA[2_858]	1.70	0.50
1:B:332:ILE:C	1:C:189:GLU:CA[2_858]	1.70	0.50
1:B:376:THR:CG2	1:C:194:PHE:CD2[2_858]	1.70	0.50
1:B:387:GLU:CD	1:C:110:ARG:NH1[2_858]	1.70	0.50
1:B:394:THR:CG2	1:C:195:ALA:CA[2_858]	1.70	0.50
1:B:398:LEU:O	1:C:224:ARG:CG[2_858]	1.70	0.50
1:B:399:ASP:OD2	1:C:226:LYS:CB[2_858]	1.70	0.50
1:C:319:ARG:CG	1:C:322:GLN:NE2[2_958]	1.70	0.50
1:C:388:ARG:CB	1:C:392:VAL:CB[2_958]	1.70	0.50
1:D:2:PHE:CZ	1:E:100:ILE:C[2_757]	1.70	0.50
1:D:6:LYS:CA	1:E:310:ALA:O[2_757]	1.70	0.50
1:D:7:VAL:C	1:E:281:ASP:CA[2_757]	1.70	0.50
1:D:13:GLU:C	1:E:127:LYS:CA[2_757]	1.70	0.50
1:D:14:LEU:CB	1:E:127:LYS:N[2_757]	1.70	0.50
1:D:23:ILE:CG2	1:E:206:LYS:CA[2_757]	1.70	0.50
1:D:42:TYR:CB	1:E:114:VAL:CB[2_757]	1.70	0.50
1:D:81:GLU:CA	1:D:88:ASN:CB[2_858]	1.70	0.50
1:D:83:ARG:O	1:D:85:LYS:CB[2_858]	1.70	0.50
1:D:104:LEU:CG	1:E:124:ARG:NE[2_757]	1.70	0.50
1:D:104:LEU:CB	1:E:124:ARG:NH1[2_757]	1.70	0.50
1:D:105:GLY:C	1:F:381:LEU:C[2_757]	1.70	0.50
1:D:109:PHE:CG	3:F:1601:NDP:P2B[2_757]	1.70	0.50
1:D:115:ILE:C	1:E:230:GLN:CG[2_757]	1.70	0.50
1:D:126:GLU:OE1	1:F:85:LYS:O[2_757]	1.70	0.50
1:D:136:HIS:O	1:F:385:ASN:C[2_757]	1.70	0.50
1:D:195:ALA:O	1:F:329:THR:O[2_757]	1.70	0.50
1:D:196:HIS:CG	1:F:330:ASN:CG[2_757]	1.70	0.50
1:D:202:ALA:N	1:F:314:VAL:CG2[2_757]	1.70	0.50
1:D:208:ASN:C	1:F:318:TYR:CG[2_757]	1.70	0.50
1:D:209:LEU:CB	1:F:19:MET:SD[2_757]	1.70	0.50
1:D:211:LEU:CG	1:F:327:THR:N[2_757]	1.70	0.50
1:D:224:ARG:CA	1:F:396:GLU:OE2[2_757]	1.70	0.50
1:D:238:LYS:CA	1:F:24:TRP:O[2_757]	1.70	0.50
1:D:239:SER:CA	1:F:24:TRP:CD2[2_757]	1.70	0.50
1:D:248:TYR:CD2	1:F:22:ILE:CG2[2_757]	1.70	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:268:ILE:CB	1:F:314:VAL:O[2_757]	1.70	0.50
1:D:301:ASP:CG	1:F:288:GLY:CA[2_757]	1.70	0.50
1:D:331:SER:C	1:E:241:PHE:CE2[2_757]	1.70	0.50
1:D:333:ALA:O	1:E:208:ASN:CB[2_757]	1.70	0.50
1:D:347:GLU:C	1:F:279:GLN:OE1[2_757]	1.70	0.50
1:D:354:LEU:CA	1:E:276:GLY:C[2_757]	1.70	0.50
1:D:370:GLN:N	1:E:231:GLU:CA[2_757]	1.70	0.50
1:D:374:ILE:C	1:E:236:GLN:N[2_757]	1.70	0.50
1:D:374:ILE:CA	1:E:236:GLN:CD[2_757]	1.70	0.50
1:D:402:GLU:CA	1:E:197:SER:CA[2_757]	1.70	0.50
1:D:410:LYS:C	1:E:136:HIS:CG[2_757]	1.70	0.50
1:E:47:VAL:C	1:E:178:SER:CB[2_657]	1.70	0.50
1:E:59:GLN:OE1	1:F:167:PRO:CG[2_657]	1.70	0.50
1:A:15:ASP:CG	1:A:154:GLU:CD[2_757]	1.71	0.49
1:A:18:GLU:CA	1:B:159:PRO:N[2_757]	1.71	0.49
1:A:20:THR:CA	1:B:158:LYS:CG[2_757]	1.71	0.49
1:A:33:LEU:C	1:E:174:ASP:N[2_657]	1.71	0.49
1:A:34:PRO:CB	1:E:173:TYR:CD1[2_657]	1.71	0.49
1:A:51:ASP:CA	1:B:184:MET:C[2_757]	1.71	0.49
1:A:60:ASP:N	1:B:181:ALA:O[2_757]	1.71	0.49
1:A:63:GLU:N	1:B:147:ILE:CB[2_757]	1.71	0.49
1:A:65:ILE:N	1:A:157:TYR:CE2[2_757]	1.71	0.49
1:A:80:ASP:C	1:A:146:LEU:CG[2_757]	1.71	0.49
1:A:90:HIS:NE2	5:B:1210:HOH:O[2_757]	1.71	0.49
1:A:100:ILE:CG1	1:B:153:LEU:CD1[2_757]	1.71	0.49
1:A:117:ARG:NH2	1:F:49:SER:CB[2_657]	1.71	0.49
1:A:119:PRO:C	1:C:40:LEU:C[2_858]	1.71	0.49
1:A:120:ARG:N	1:C:40:LEU:C[2_858]	1.71	0.49
1:A:120:ARG:O	1:C:41:LYS:C[2_858]	1.71	0.49
1:A:127:LYS:CE	1:C:357:PHE:CB[2_858]	1.71	0.49
1:A:162:PRO:CB	1:A:345:ARG:CD[2_757]	1.71	0.49
1:A:210:PHE:C	1:C:350:ASN:ND2[2_858]	1.71	0.49
1:A:217:ILE:CG1	1:E:35:TYR:O[2_757]	1.71	0.49
1:A:306:GLU:CD	1:B:152:SER:OG[2_757]	1.71	0.49
1:A:315:THR:C	1:B:165:ALA:CA[2_757]	1.71	0.49
1:A:316:ARG:O	1:B:164:THR:N[2_757]	1.71	0.49
1:A:332:ILE:CD1	1:F:60:ASP:CA[2_657]	1.71	0.49
1:A:365:THR:CB	1:F:59:GLN:CG[2_657]	1.71	0.49
1:A:369:VAL:N	1:F:58:THR:CB[2_657]	1.71	0.49
1:A:370:GLN:CB	1:F:57:ILE:CG2[2_657]	1.71	0.49
1:A:385:ASN:N	1:F:40:LEU:CG[2_657]	1.71	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:385:ASN:N	1:F:40:LEU:CD2[2_657]	1.71	0.49
1:A:390:ALA:CA	1:F:72:ILE:CA[2_657]	1.71	0.49
1:A:400:ALA:O	1:F:98:GLY:O[2_657]	1.71	0.49
1:B:18:GLU:O	1:C:236:GLN:CA[2_858]	1.71	0.49
1:B:26:LYS:CA	1:C:231:GLU:OE2[2_858]	1.71	0.49
1:B:30:LYS:CE	1:C:227:ASP:CG[2_858]	1.71	0.49
1:B:31:LEU:CD1	1:C:188:ASP:OD2[2_858]	1.71	0.49
1:B:51:ASP:C	1:E:340:ARG:O[2_757]	1.71	0.49
1:B:59:GLN:N	1:E:335:ILE:CA[2_757]	1.71	0.49
1:B:69:GLY:CA	1:E:374:ILE:CG1[2_757]	1.71	0.49
1:B:70:VAL:O	1:E:372:ASP:N[2_757]	1.71	0.49
1:B:94:LYS:O	1:E:357:PHE:CE2[2_757]	1.71	0.49
1:B:102:ASN:C	1:E:30:LYS:CB[2_757]	1.71	0.49
1:B:117:ARG:CB	5:C:1307:HOH:O[2_858]	1.71	0.49
1:B:122:VAL:N	1:C:65:ILE:C[2_858]	1.71	0.49
1:B:277:ASP:O	1:E:2:PHE:CD1[2_757]	1.71	0.49
1:B:278:VAL:N	1:E:2:PHE:CG[2_757]	1.71	0.49
1:B:285:GLN:O	1:C:304:THR:OG1[2_858]	1.71	0.49
1:B:318:TYR:CD1	1:C:236:GLN:O[2_858]	1.71	0.49
1:B:325:GLU:CG	1:C:208:ASN:N[2_858]	1.71	0.49
1:B:352:PRO:C	1:C:161:ASP:C[2_858]	1.71	0.49
1:B:388:ARG:NH1	1:C:271:LEU:CB[2_858]	1.71	0.49
1:B:390:ALA:N	1:C:277:ASP:N[2_858]	1.71	0.49
1:B:391:TYR:CE2	1:C:133:ARG:N[2_858]	1.71	0.49
1:B:394:THR:C	1:C:229:PHE:CG[2_858]	1.71	0.49
1:B:397:PHE:CE1	1:C:186:ASN:OD1[2_858]	1.71	0.49
1:B:405:LEU:C	1:D:145:THR:O[2_858]	1.71	0.49
1:B:406:GLN:C	1:D:145:THR:CA[2_858]	1.71	0.49
1:B:406:GLN:CA	1:D:145:THR:CA[2_858]	1.71	0.49
1:B:410:LYS:C	1:C:169:THR:N[2_858]	1.71	0.49
1:B:411:SER:C	1:C:168:GLN:N[2_858]	1.71	0.49
1:C:300:PRO:O	3:B:1201:NDP:N7A[2_858]	1.71	0.49
1:C:317:HIS:CD2	1:C:324:GLY:C[2_958]	1.71	0.49
1:D:4:LYS:CG	1:E:308:GLU:CG[2_757]	1.71	0.49
1:D:5:ILE:CA	1:E:110:ARG:NH2[2_757]	1.71	0.49
1:D:5:ILE:CA	1:E:110:ARG:CZ[2_757]	1.71	0.49
1:D:10:PRO:C	1:E:287:PHE:N[2_757]	1.71	0.49
1:D:10:PRO:CG	1:E:288:GLY:N[2_757]	1.71	0.49
1:D:12:VAL:CA	1:E:287:PHE:CE2[2_757]	1.71	0.49
1:D:23:ILE:CB	1:E:206:LYS:CB[2_757]	1.71	0.49
1:D:31:LEU:CD2	1:E:197:SER:O[2_757]	1.71	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:31:LEU:CA	1:E:109:PHE:CZ[2_757]	1.71	0.49
1:D:70:VAL:CG1	1:E:125:TRP:CZ2[2_757]	1.71	0.49
1:D:189:GLU:CG	1:F:375:MET:CE[2_757]	1.71	0.49
1:D:202:ALA:O	1:F:313:THR:CG2[2_757]	1.71	0.49
1:D:206:LYS:CB	1:F:77:ILE:CA[2_757]	1.71	0.49
1:D:209:LEU:CG	1:F:19:MET:CB[2_757]	1.71	0.49
1:D:211:LEU:CD2	1:F:326:GLU:C[2_757]	1.71	0.49
1:D:212:SER:O	1:F:326:GLU:CG[2_757]	1.71	0.49
1:D:225:PHE:O	1:F:393:THR:O[2_757]	1.71	0.49
1:D:226:LYS:O	1:F:395:GLU:C[2_757]	1.71	0.49
1:D:234:GLU:O	1:F:27:ILE:CA[2_757]	1.71	0.49
1:D:237:TYR:CE2	1:F:334:SER:OG[2_757]	1.71	0.49
1:D:237:TYR:CE1	1:F:331:SER:CA[2_757]	1.71	0.49
1:D:246:ILE:CG2	1:F:17:ASP:C[2_757]	1.71	0.49
1:D:246:ILE:CB	1:F:18:GLU:N[2_757]	1.71	0.49
1:D:248:TYR:OH	1:F:395:GLU:CD[2_757]	1.71	0.49
1:D:253:ILE:N	1:F:324:GLY:O[2_757]	1.71	0.49
1:D:256:MET:O	1:F:323:LYS:CA[2_757]	1.71	0.49
1:D:304:THR:CG2	1:F:121:LEU:CB[2_757]	1.71	0.49
1:D:317:HIS:CE1	1:E:243:GLN:CA[2_757]	1.71	0.49
1:D:329:THR:CB	1:E:244:LEU:N[2_757]	1.71	0.49
1:D:349:ASP:O	1:F:257:VAL:CA[2_757]	1.71	0.49
1:D:357:PHE:O	1:E:271:LEU:C[2_757]	1.71	0.49
1:D:362:GLU:O	1:E:229:PHE:CG[2_757]	1.71	0.49
1:E:49:SER:CA	1:E:177:GLY:N[2_657]	1.71	0.49
1:E:52:ALA:O	1:E:175:TYR:CG[2_657]	1.71	0.49
1:E:88:ASN:C	1:F:191:ILE:CD1[2_657]	1.71	0.49
1:F:228:ILE:C	5:E:1524:HOH:O[2_657]	1.71	0.49
1:A:3:SER:O	1:E:170:LEU:O[2_657]	1.72	0.48
1:A:9:GLN:NE2	1:A:163:THR:O[2_757]	1.72	0.48
1:A:11:VAL:C	1:A:167:PRO:N[2_757]	1.72	0.48
1:A:34:PRO:CG	1:E:173:TYR:CE1[2_657]	1.72	0.48
1:A:36:LEU:N	1:E:171:LYS:NZ[2_657]	1.72	0.48
1:A:51:ASP:OD1	1:B:221:TYR:OH[2_757]	1.72	0.48
1:A:64:ALA:O	1:B:148:PRO:CD[2_757]	1.72	0.48
1:A:82:ALA:N	1:A:146:LEU:CD2[2_757]	1.72	0.48
1:A:88:ASN:CG	1:B:190:SER:CA[2_757]	1.72	0.48
1:A:92:MET:CB	1:B:220:LYS:C[2_757]	1.72	0.48
1:A:99:THR:N	1:B:172:VAL:O[2_757]	1.72	0.48
1:A:117:ARG:NH2	1:F:46:SER:OG[2_657]	1.72	0.48
1:A:125:TRP:NE1	1:C:345:ARG:NH1[2_858]	1.72	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:263:SER:OG	1:C:345:ARG:CA[2_858]	1.72	0.48
1:A:266:GLY:N	1:C:354:LEU:CG[2_858]	1.72	0.48
1:A:313:THR:C	1:B:167:PRO:N[2_757]	1.72	0.48
1:A:315:THR:CB	1:B:166:GLN:N[2_757]	1.72	0.48
1:A:318:TYR:CA	1:B:161:ASP:C[2_757]	1.72	0.48
1:A:318:TYR:O	1:B:161:ASP:CB[2_757]	1.72	0.48
1:A:327:THR:N	1:F:303:LYS:C[2_657]	1.72	0.48
1:A:365:THR:O	1:F:59:GLN:N[2_657]	1.72	0.48
1:A:369:VAL:N	1:F:58:THR:C[2_657]	1.72	0.48
1:A:369:VAL:CG1	1:F:57:ILE:O[2_657]	1.72	0.48
1:A:381:LEU:N	1:F:41:LYS:CB[2_657]	1.72	0.48
1:B:59:GLN:CG	1:E:335:ILE:CA[2_757]	1.72	0.48
1:B:61:ALA:CA	1:E:365:THR:CB[2_757]	1.72	0.48
1:B:63:GLU:O	1:E:397:PHE:CD1[2_757]	1.72	0.48
1:B:70:VAL:N	1:E:372:ASP:C[2_757]	1.72	0.48
1:B:77:ILE:C	1:E:357:PHE:N[2_757]	1.72	0.48
1:B:80:ASP:CA	1:E:6:LYS:O[2_757]	1.72	0.48
1:B:81:GLU:CB	1:E:8:LYS:CG[2_757]	1.72	0.48
1:B:92:MET:CG	1:E:7:VAL:CB[2_757]	1.72	0.48
1:B:97:ASN:O	1:E:405:LEU:CD1[2_757]	1.72	0.48
1:B:102:ASN:CG	1:E:30:LYS:CG[2_757]	1.72	0.48
1:B:121:LEU:O	1:C:65:ILE:CG1[2_858]	1.72	0.48
1:B:123:PRO:CA	1:C:60:ASP:O[2_858]	1.72	0.48
1:B:278:VAL:N	1:E:2:PHE:CB[2_757]	1.72	0.48
1:B:306:GLU:CG	1:E:404:ARG:C[2_757]	1.72	0.48
1:B:316:ARG:C	1:C:200:LYS:CA[2_858]	1.72	0.48
1:B:320:LYS:CD	1:C:202:ALA:CA[2_858]	1.72	0.48
1:B:320:LYS:CG	1:C:202:ALA:C[2_858]	1.72	0.48
1:B:320:LYS:CG	1:C:203:ILE:N[2_858]	1.72	0.48
1:B:323:LYS:CG	1:C:246:ILE:CD1[2_858]	1.72	0.48
1:B:323:LYS:CA	1:C:246:ILE:CA[2_858]	1.72	0.48
1:B:329:THR:C	1:C:194:PHE:N[2_858]	1.72	0.48
1:B:335:ILE:CG1	1:C:188:ASP:CB[2_858]	1.72	0.48
1:B:362:GLU:CA	1:D:177:GLY:O[2_858]	1.72	0.48
1:B:365:THR:C	1:C:186:ASN:C[2_858]	1.72	0.48
1:B:377:LYS:C	1:C:107:THR:CB[2_858]	1.72	0.48
1:B:388:ARG:NH2	1:C:269:MET:C[2_858]	1.72	0.48
1:B:388:ARG:CZ	1:C:269:MET:O[2_858]	1.72	0.48
1:B:392:VAL:C	1:C:194:PHE:CZ[2_858]	1.72	0.48
1:B:396:GLU:CG	1:C:211:LEU:CD2[2_858]	1.72	0.48
1:B:397:PHE:N	1:C:225:PHE:CG[2_858]	1.72	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:398:LEU:O	1:C:224:ARG:C[2_858]	1.72	0.48
1:B:403:LYS:NZ	1:C:218:LEU:N[2_858]	1.72	0.48
1:B:404:ARG:CB	1:D:181:ALA:CA[2_858]	1.72	0.48
1:B:405:LEU:CG	1:D:146:LEU:C[2_858]	1.72	0.48
1:D:2:PHE:CE2	1:E:101:ARG:CA[2_757]	1.72	0.48
1:D:8:LYS:CG	1:F:258:ALA:N[2_757]	1.72	0.48
1:D:10:PRO:N	1:E:284:ALA:C[2_757]	1.72	0.48
1:D:31:LEU:CG	1:E:201:LEU:CB[2_757]	1.72	0.48
1:D:31:LEU:CA	1:E:109:PHE:CG[2_757]	1.72	0.48
1:D:65:ILE:O	1:E:122:VAL:C[2_757]	1.72	0.48
1:D:72:ILE:CG1	1:E:129:ILE:CD1[2_757]	1.72	0.48
1:D:137:GLY:CA	1:F:386:ASN:O[2_757]	1.72	0.48
1:D:191:ILE:C	1:F:375:MET:O[2_757]	1.72	0.48
1:D:199:PHE:CD2	1:F:23:ILE:CD1[2_757]	1.72	0.48
1:D:208:ASN:CA	1:F:18:GLU:CB[2_757]	1.72	0.48
1:D:226:LYS:C	1:F:396:GLU:N[2_757]	1.72	0.48
1:D:234:GLU:CG	1:F:26:LYS:O[2_757]	1.72	0.48
1:D:236:GLN:C	1:F:27:ILE:CD1[2_757]	1.72	0.48
1:D:249:GLU:CD	1:F:321:TYR:OH[2_757]	1.72	0.48
1:D:256:MET:C	1:F:323:LYS:CA[2_757]	1.72	0.48
1:D:268:ILE:O	1:F:317:HIS:O[2_757]	1.72	0.48
1:D:330:ASN:CB	1:E:241:PHE:CA[2_757]	1.72	0.48
1:D:331:SER:CA	1:E:246:ILE:CD1[2_757]	1.72	0.48
1:D:335:ILE:N	1:E:208:ASN:C[2_757]	1.72	0.48
1:D:338:TRP:CD1	1:E:267:PHE:C[2_757]	1.72	0.48
1:D:339:SER:C	1:E:269:MET:CG[2_757]	1.72	0.48
1:D:354:LEU:CD1	1:E:279:GLN:O[2_757]	1.72	0.48
1:D:354:LEU:N	1:E:277:ASP:N[2_757]	1.72	0.48
1:D:365:THR:O	1:E:199:PHE:CD2[2_757]	1.72	0.48
1:D:407:LYS:O	1:E:190:SER:OG[2_757]	1.72	0.48
1:E:56:LYS:CG	1:F:158:LYS:C[2_657]	1.72	0.48
1:E:86:GLU:C	1:F:228:ILE:CD1[2_657]	1.72	0.48
1:E:88:ASN:N	1:F:191:ILE:CB[2_657]	1.72	0.48
1:E:90:HIS:CG	1:E:180:VAL:C[2_657]	1.72	0.48
1:A:11:VAL:CB	1:A:167:PRO:CG[2_757]	1.73	0.47
1:A:13:GLU:CG	1:A:169:THR:OG1[2_757]	1.73	0.47
1:A:19:MET:N	1:B:159:PRO:O[2_757]	1.73	0.47
1:A:21:ARG:CD	1:A:152:SER:CB[2_757]	1.73	0.47
1:A:30:LYS:C	5:E:1529:HOH:O[2_657]	1.73	0.47
1:A:43:TYR:CD1	1:A:168:GLN:OE1[2_757]	1.73	0.47
1:A:56:LYS:O	1:B:182:MET:CA[2_757]	1.73	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:59:GLN:CD	1:A:185:TYR:C[2_757]	1.73	0.47
1:A:71:GLY:N	1:A:158:LYS:CA[2_757]	1.73	0.47
1:A:73:LYS:CE	1:B:155:LEU:N[2_757]	1.73	0.47
1:A:75:ALA:C	1:B:157:TYR:N[2_757]	1.73	0.47
1:A:87:PHE:N	1:A:179:GLY:CA[2_757]	1.73	0.47
1:A:91:LYS:CE	5:A:1119:HOH:O[2_757]	1.73	0.47
1:A:100:ILE:CG1	1:B:153:LEU:CG[2_757]	1.73	0.47
1:A:100:ILE:O	1:B:173:TYR:O[2_757]	1.73	0.47
1:A:103:ILE:CG2	1:B:173:TYR:CE2[2_757]	1.73	0.47
1:A:124:ARG:CB	1:C:71:GLY:CA[2_858]	1.73	0.47
1:A:129:ILE:N	1:C:7:VAL:CB[2_858]	1.73	0.47
1:A:256:MET:CE	1:C:348:LEU:N[2_858]	1.73	0.47
1:A:316:ARG:C	1:B:162:PRO:C[2_757]	1.73	0.47
1:A:317:HIS:N	1:B:162:PRO:CA[2_757]	1.73	0.47
1:A:318:TYR:CE1	1:B:160:SER:CA[2_757]	1.73	0.47
1:A:328:SER:O	1:F:66:LYS:C[2_657]	1.73	0.47
1:A:330:ASN:CA	1:F:63:GLU:O[2_657]	1.73	0.47
1:A:403:LYS:CG	1:F:140:TYR:O[2_657]	1.73	0.47
1:A:403:LYS:CE	1:F:140:TYR:CD2[2_657]	1.73	0.47
1:B:14:LEU:CG	1:E:364:ALA:N[2_757]	1.73	0.47
1:B:14:LEU:CD1	1:E:363:SER:C[2_757]	1.73	0.47
1:B:19:MET:CE	1:C:199:PHE:CG[2_858]	1.73	0.47
1:B:31:LEU:CB	1:C:224:ARG:NH2[2_858]	1.73	0.47
1:B:45:LEU:CG	1:E:362:GLU:C[2_757]	1.73	0.47
1:B:51:ASP:OD2	1:E:344:LYS:CG[2_757]	1.73	0.47
1:B:56:LYS:N	1:E:337:ALA:CA[2_757]	1.73	0.47
1:B:67:LYS:CB	1:E:375:MET:C[2_757]	1.73	0.47
1:B:73:LYS:N	1:E:408:GLU:CD[2_757]	1.73	0.47
1:B:73:LYS:CE	1:E:360:ILE:CG2[2_757]	1.73	0.47
1:B:77:ILE:N	1:E:356:LYS:N[2_757]	1.73	0.47
1:B:77:ILE:O	1:E:354:LEU:C[2_757]	1.73	0.47
1:B:83:ARG:NH1	1:E:352:PRO:CA[2_757]	1.73	0.47
1:B:88:ASN:N	1:E:348:LEU:N[2_757]	1.73	0.47
1:B:92:MET:SD	1:E:7:VAL:O[2_757]	1.73	0.47
1:B:95:SER:N	1:E:357:PHE:CE2[2_757]	1.73	0.47
1:B:126:GLU:CA	1:C:63:GLU:CD[2_858]	1.73	0.47
1:B:277:ASP:C	1:E:2:PHE:CD1[2_757]	1.73	0.47
1:B:285:GLN:CG	1:C:303:LYS:O[2_858]	1.73	0.47
1:B:290:LEU:N	1:C:301:ASP:N[2_858]	1.73	0.47
1:B:311:HIS:O	1:E:411:SER:CA[2_757]	1.73	0.47
1:B:320:LYS:N	1:C:203:ILE:N[2_858]	1.73	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:367:ASN:CG	1:C:185:TYR:CD2[2_858]	1.73	0.47
1:B:368:THR:OG1	1:C:186:ASN:N[2_858]	1.73	0.47
1:B:372:ASP:CA	1:C:138:ASP:C[2_858]	1.73	0.47
1:B:389:SER:OG	1:C:279:GLN:N[2_858]	1.73	0.47
1:B:391:TYR:OH	1:C:131:ILE:O[2_858]	1.73	0.47
1:B:395:GLU:CD	1:C:248:TYR:OH[2_858]	1.73	0.47
1:B:398:LEU:CD1	1:C:228:ILE:CA[2_858]	1.73	0.47
1:B:404:ARG:CZ	1:C:184:MET:C[2_858]	1.73	0.47
1:B:407:LYS:CE	1:D:144:ASP:OD1[2_858]	1.73	0.47
1:B:408:GLU:N	1:D:145:THR:CG2[2_858]	1.73	0.47
1:B:409:ILE:CD1	1:D:146:LEU:O[2_858]	1.73	0.47
1:C:317:HIS:CB	1:C:325:GLU:CB[2_958]	1.73	0.47
1:C:388:ARG:NE	1:C:391:TYR:CD1[2_958]	1.73	0.47
1:D:12:VAL:CG1	1:E:120:ARG:NH2[2_757]	1.73	0.47
1:D:14:LEU:CA	1:E:127:LYS:N[2_757]	1.73	0.47
1:D:40:LEU:CD2	1:E:112:PRO:N[2_757]	1.73	0.47
1:D:81:GLU:C	1:D:88:ASN:ND2[2_858]	1.73	0.47
1:D:85:LYS:CE	1:D:87:PHE:CE1[2_858]	1.73	0.47
1:D:193:GLY:C	1:F:378:ASP:CG[2_757]	1.73	0.47
1:D:199:PHE:CZ	1:F:23:ILE:CG1[2_757]	1.73	0.47
1:D:202:ALA:O	1:F:313:THR:N[2_757]	1.73	0.47
1:D:206:LYS:CG	1:F:77:ILE:N[2_757]	1.73	0.47
1:D:206:LYS:CA	1:F:313:THR:CG2[2_757]	1.73	0.47
1:D:229:PHE:CE2	1:F:394:THR:OG1[2_757]	1.73	0.47
1:D:229:PHE:C	1:F:394:THR:C[2_757]	1.73	0.47
1:D:238:LYS:CE	1:F:25:ASP:C[2_757]	1.73	0.47
1:D:242:GLU:OE1	1:F:28:LYS:NZ[2_757]	1.73	0.47
1:D:245:GLY:C	1:F:16:GLY:O[2_757]	1.73	0.47
1:D:246:ILE:O	1:F:21:ARG:CA[2_757]	1.73	0.47
1:D:256:MET:CA	1:F:324:GLY:N[2_757]	1.73	0.47
1:D:268:ILE:CD1	1:F:314:VAL:O[2_757]	1.73	0.47
1:D:271:LEU:CB	1:F:320:LYS:NZ[2_757]	1.73	0.47
1:D:272:LYS:CE	1:F:388:ARG:NE[2_757]	1.73	0.47
1:D:296:ILE:CD1	1:E:260:MET:N[2_757]	1.73	0.47
1:D:298:VAL:N	1:E:262:LYS:CG[2_757]	1.73	0.47
1:D:305:PHE:CB	1:E:261:ILE:CA[2_757]	1.73	0.47
1:D:331:SER:C	1:E:241:PHE:CZ[2_757]	1.73	0.47
1:D:332:ILE:CA	1:E:241:PHE:CE2[2_757]	1.73	0.47
1:D:334:SER:CA	1:E:207:LEU:C[2_757]	1.73	0.47
1:D:336:PHE:O	1:E:210:PHE:CD1[2_757]	1.73	0.47
1:D:338:TRP:CZ3	1:E:129:ILE:O[2_757]	1.73	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:340:ARG:CD	1:E:256:MET:SD[2_757]	1.73	0.47
1:D:376:THR:CG2	1:E:240:LYS:N[2_757]	1.73	0.47
1:D:379:LEU:CB	1:E:238:LYS:CG[2_757]	1.73	0.47
1:D:398:LEU:C	1:E:200:LYS:CG[2_757]	1.73	0.47
1:F:391:TYR:CE2	5:D:1406:HOH:O[2_757]	1.73	0.47
1:E:54:SER:C	1:F:157:TYR:CD1[2_657]	1.73	0.47
1:E:56:LYS:CA	1:F:159:PRO:CA[2_657]	1.73	0.47
1:E:58:THR:C	1:F:165:ALA:O[2_657]	1.73	0.47
1:E:61:ALA:N	1:F:161:ASP:O[2_657]	1.73	0.47
1:E:88:ASN:N	1:F:191:ILE:CD1[2_657]	1.73	0.47
1:F:227:ASP:C	5:E:1524:HOH:O[2_657]	1.73	0.47
1:A:10:PRO:CA	1:A:166:GLN:NE2[2_757]	1.74	0.46
1:A:12:VAL:N	1:A:167:PRO:O[2_757]	1.74	0.46
1:A:15:ASP:C	1:A:154:GLU:CG[2_757]	1.74	0.46
1:A:34:PRO:O	1:E:173:TYR:CA[2_657]	1.74	0.46
1:A:62:ALA:CB	1:B:175:TYR:OH[2_757]	1.74	0.46
1:A:63:GLU:C	1:B:147:ILE:C[2_757]	1.74	0.46
1:A:68:TYR:O	1:A:165:ALA:C[2_757]	1.74	0.46
1:A:86:GLU:OE2	1:A:149:GLY:CA[2_757]	1.74	0.46
1:A:87:PHE:CE1	1:A:147:ILE:CG2[2_757]	1.74	0.46
1:A:91:LYS:CA	1:B:221:TYR:CE2[2_757]	1.74	0.46
1:A:92:MET:CA	1:B:221:TYR:N[2_757]	1.74	0.46
1:A:96:PRO:CG	1:B:155:LEU:CG[2_757]	1.74	0.46
1:A:97:ASN:CA	1:B:170:LEU:O[2_757]	1.74	0.46
1:A:97:ASN:O	1:B:171:LYS:O[2_757]	1.74	0.46
1:A:100:ILE:O	1:B:173:TYR:CA[2_757]	1.74	0.46
1:A:101:ARG:NE	1:B:171:LYS:CD[2_757]	1.74	0.46
1:A:117:ARG:NH1	1:F:45:LEU:C[2_657]	1.74	0.46
1:A:124:ARG:CB	1:C:71:GLY:N[2_858]	1.74	0.46
1:A:127:LYS:NZ	1:C:357:PHE:CA[2_858]	1.74	0.46
1:A:150:PRO:CD	1:A:322:GLN:OE1[2_757]	1.74	0.46
1:A:162:PRO:C	1:A:345:ARG:NH1[2_757]	1.74	0.46
1:A:214:LYS:NZ	1:E:3:SER:O[2_757]	1.74	0.46
1:A:219:LYS:CA	1:E:37:ASP:CG[2_757]	1.74	0.46
1:A:254:ASP:OD1	1:E:3:SER:OG[2_757]	1.74	0.46
1:A:312:GLY:C	1:B:167:PRO:C[2_757]	1.74	0.46
1:A:320:LYS:C	1:F:303:LYS:NZ[2_657]	1.74	0.46
1:A:325:GLU:O	1:F:303:LYS:CD[2_657]	1.74	0.46
1:A:369:VAL:CA	1:F:58:THR:CA[2_657]	1.74	0.46
1:A:370:GLN:OE1	1:F:49:SER:OG[2_657]	1.74	0.46
1:A:377:LYS:NZ	1:F:345:ARG:NH1[2_657]	1.74	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:379:LEU:CG	1:F:43:TYR:OH[2_657]	1.74	0.46
1:A:385:ASN:ND2	1:F:13:GLU:CG[2_657]	1.74	0.46
1:A:385:ASN:N	1:F:40:LEU:CA[2_657]	1.74	0.46
1:A:387:GLU:OE1	1:F:338:TRP:CE3[2_657]	1.74	0.46
1:A:388:ARG:NH1	1:F:305:PHE:C[2_657]	1.74	0.46
1:B:168:GLN:CA	3:A:1101:NDP:C2N[2_757]	1.74	0.46
1:B:168:GLN:C	3:A:1101:NDP:C2N[2_757]	1.74	0.46
1:B:11:VAL:C	1:E:370:GLN:CB[2_757]	1.74	0.46
1:B:22:ILE:CG1	1:C:232:VAL:C[2_858]	1.74	0.46
1:B:22:ILE:N	1:C:235:ALA:CB[2_858]	1.74	0.46
1:B:51:ASP:OD1	1:E:344:LYS:CA[2_757]	1.74	0.46
1:B:59:GLN:CA	1:E:335:ILE:CA[2_757]	1.74	0.46
1:B:64:ALA:CB	1:E:369:VAL:CG2[2_757]	1.74	0.46
1:B:66:LYS:CD	1:E:398:LEU:N[2_757]	1.74	0.46
1:B:102:ASN:OD1	1:E:30:LYS:N[2_757]	1.74	0.46
1:B:119:PRO:C	1:C:100:ILE:O[2_858]	1.74	0.46
1:B:123:PRO:O	1:C:59:GLN:O[2_858]	1.74	0.46
1:B:286:GLY:CA	1:C:66:LYS:O[2_858]	1.74	0.46
1:B:286:GLY:C	1:C:66:LYS:CG[2_858]	1.74	0.46
1:B:290:LEU:CA	1:C:301:ASP:N[2_858]	1.74	0.46
1:B:297:LEU:CG	1:E:403:LYS:CG[2_757]	1.74	0.46
1:B:308:GLU:OE1	1:E:408:GLU:N[2_757]	1.74	0.46
1:B:320:LYS:CD	1:C:201:LEU:O[2_858]	1.74	0.46
1:B:351:THR:C	1:C:163:THR:OG1[2_858]	1.74	0.46
1:B:352:PRO:CD	1:C:163:THR:OG1[2_858]	1.74	0.46
1:B:375:MET:SD	1:C:135:ALA:C[2_858]	1.74	0.46
1:B:375:MET:SD	1:C:135:ALA:O[2_858]	1.74	0.46
1:B:376:THR:CB	1:C:194:PHE:CG[2_858]	1.74	0.46
1:B:391:TYR:CZ	1:C:132:GLY:C[2_858]	1.74	0.46
1:B:401:VAL:C	1:D:180:VAL:CB[2_858]	1.74	0.46
1:B:407:LYS:CE	1:D:144:ASP:CG[2_858]	1.74	0.46
1:B:409:ILE:CA	1:C:168:GLN:CG[2_858]	1.74	0.46
1:B:410:LYS:CG	1:C:170:LEU:CG[2_858]	1.74	0.46
1:C:321:TYR:CA	5:C:1339:HOH:O[2_958]	1.74	0.46
1:C:388:ARG:CZ	1:C:391:TYR:CE1[2_958]	1.74	0.46
1:D:2:PHE:CE1	1:E:99:THR:C[2_757]	1.74	0.46
1:D:2:PHE:CG	1:E:100:ILE:C[2_757]	1.74	0.46
1:D:4:LYS:CG	1:E:308:GLU:OE2[2_757]	1.74	0.46
1:D:5:ILE:CD1	1:E:133:ARG:CZ[2_757]	1.74	0.46
1:D:12:VAL:N	1:E:287:PHE:CE1[2_757]	1.74	0.46
1:D:34:PRO:CG	1:E:296:ILE:CG2[2_757]	1.74	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:40:LEU:N	1:E:112:PRO:CB[2_757]	1.74	0.46
1:D:42:TYR:CB	1:E:114:VAL:CG2[2_757]	1.74	0.46
1:D:62:ALA:O	1:E:124:ARG:N[2_757]	1.74	0.46
1:D:62:ALA:O	1:E:123:PRO:C[2_757]	1.74	0.46
1:D:66:LYS:O	1:F:123:PRO:CD[2_757]	1.74	0.46
1:D:70:VAL:C	1:E:125:TRP:CZ2[2_757]	1.74	0.46
1:D:138:ASP:OD1	1:F:388:ARG:N[2_757]	1.74	0.46
1:D:186:ASN:CB	1:F:390:ALA:CA[2_757]	1.74	0.46
1:D:187:THR:C	1:F:390:ALA:O[2_757]	1.74	0.46
1:D:187:THR:N	1:F:390:ALA:CA[2_757]	1.74	0.46
1:D:190:SER:O	1:F:376:THR:C[2_757]	1.74	0.46
1:D:195:ALA:CA	1:F:329:THR:C[2_757]	1.74	0.46
1:D:196:HIS:N	1:F:330:ASN:N[2_757]	1.74	0.46
1:D:203:ILE:C	1:F:75:ALA:CB[2_757]	1.74	0.46
1:D:207:LEU:CD1	1:F:315:THR:CB[2_757]	1.74	0.46
1:D:210:PHE:CD2	1:F:321:TYR:CG[2_757]	1.74	0.46
1:D:224:ARG:C	1:F:396:GLU:CD[2_757]	1.74	0.46
1:D:225:PHE:CB	5:F:1639:HOH:O[2_757]	1.74	0.46
1:D:229:PHE:O	1:F:394:THR:O[2_757]	1.74	0.46
1:D:230:GLN:CD	1:F:26:LYS:CE[2_757]	1.74	0.46
1:D:236:GLN:NE2	1:F:332:ILE:O[2_757]	1.74	0.46
1:D:238:LYS:C	1:F:24:TRP:CB[2_757]	1.74	0.46
1:D:256:MET:N	1:F:323:LYS:O[2_757]	1.74	0.46
1:D:268:ILE:CB	1:F:315:THR:O[2_757]	1.74	0.46
1:D:303:LYS:O	1:F:286:GLY:CA[2_757]	1.74	0.46
1:D:305:PHE:CA	1:E:262:LYS:CA[2_757]	1.74	0.46
1:D:305:PHE:C	1:E:261:ILE:C[2_757]	1.74	0.46
1:D:311:HIS:CG	1:E:247:HIS:CE1[2_757]	1.74	0.46
1:D:329:THR:OG1	1:E:244:LEU:CA[2_757]	1.74	0.46
1:D:332:ILE:O	1:E:209:LEU:CA[2_757]	1.74	0.46
1:D:336:PHE:CG	1:E:209:LEU:O[2_757]	1.74	0.46
1:D:344:LYS:NZ	1:E:258:ALA:N[2_757]	1.74	0.46
1:D:351:THR:O	1:E:278:VAL:N[2_757]	1.74	0.46
1:D:368:THR:C	1:E:232:VAL:CA[2_757]	1.74	0.46
1:D:373:GLY:CA	1:E:235:ALA:CB[2_757]	1.74	0.46
1:D:400:ALA:N	1:E:200:LYS:CG[2_757]	1.74	0.46
1:D:401:VAL:CG2	1:E:199:PHE:CA[2_757]	1.74	0.46
1:D:401:VAL:CB	1:E:199:PHE:N[2_757]	1.74	0.46
5:D:1430:HOH:O	5:F:1615:HOH:O[2_757]	1.74	0.46
1:F:386:ASN:CG	5:D:1447:HOH:O[2_757]	1.74	0.46
1:E:51:ASP:OD1	1:E:179:GLY:O[2_657]	1.74	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:14:LEU:CD2	1:A:157:TYR:N[2_757]	1.75	0.45
1:A:17:ASP:OD1	1:A:152:SER:O[2_757]	1.75	0.45
1:A:33:LEU:CB	1:E:174:ASP:C[2_657]	1.75	0.45
1:A:43:TYR:CE1	1:A:168:GLN:CD[2_757]	1.75	0.45
1:A:57:ILE:CG1	1:B:143:THR:CG2[2_757]	1.75	0.45
1:A:58:THR:O	1:B:181:ALA:CB[2_757]	1.75	0.45
1:A:60:ASP:OD2	1:B:144:ASP:C[2_757]	1.75	0.45
1:A:62:ALA:C	1:B:147:ILE:CG1[2_757]	1.75	0.45
1:A:80:ASP:CB	1:A:146:LEU:CD1[2_757]	1.75	0.45
1:A:86:GLU:OE1	1:A:148:PRO:C[2_757]	1.75	0.45
1:A:87:PHE:N	1:A:179:GLY:N[2_757]	1.75	0.45
1:A:89:LEU:C	1:B:186:ASN:CB[2_757]	1.75	0.45
1:A:100:ILE:CA	1:B:173:TYR:N[2_757]	1.75	0.45
1:A:100:ILE:CB	1:B:153:LEU:O[2_757]	1.75	0.45
1:A:119:PRO:CB	1:C:42:TYR:CA[2_858]	1.75	0.45
1:A:124:ARG:CZ	1:C:306:GLU:N[2_858]	1.75	0.45
1:A:129:ILE:C	1:C:8:LYS:N[2_858]	1.75	0.45
1:A:208:ASN:O	1:C:352:PRO:CB[2_858]	1.75	0.45
1:A:267:PHE:CA	1:C:351:THR:O[2_858]	1.75	0.45
1:A:287:PHE:N	1:C:10:PRO:CG[2_858]	1.75	0.45
1:A:287:PHE:C	1:C:39:ASP:OD1[2_858]	1.75	0.45
1:A:365:THR:C	1:F:59:GLN:CB[2_657]	1.75	0.45
1:A:379:LEU:CD1	1:F:60:ASP:O[2_657]	1.75	0.45
1:A:388:ARG:O	1:F:70:VAL:CG1[2_657]	1.75	0.45
1:A:390:ALA:N	1:F:72:ILE:CB[2_657]	1.75	0.45
1:A:391:TYR:CD1	1:F:70:VAL:N[2_657]	1.75	0.45
1:A:410:LYS:CE	1:F:144:ASP:OD1[2_657]	1.75	0.45
1:B:170:LEU:CB	4:A:1102:AKG:O3[2_757]	1.75	0.45
1:F:299:THR:OG1	5:A:1121:HOH:O[2_657]	1.75	0.45
1:B:10:PRO:C	1:E:117:ARG:NH1[2_757]	1.75	0.45
1:B:19:MET:CA	1:C:237:TYR:CZ[2_858]	1.75	0.45
1:B:39:ASP:OD2	1:E:117:ARG:O[2_757]	1.75	0.45
1:B:56:LYS:CE	1:E:308:GLU:CA[2_757]	1.75	0.45
1:B:68:TYR:N	1:E:374:ILE:N[2_757]	1.75	0.45
1:B:71:GLY:N	1:E:372:ASP:CG[2_757]	1.75	0.45
1:B:76:THR:C	1:E:356:LYS:CA[2_757]	1.75	0.45
1:B:83:ARG:N	1:E:351:THR:CA[2_757]	1.75	0.45
1:B:83:ARG:CB	1:E:351:THR:O[2_757]	1.75	0.45
1:B:122:VAL:CB	1:C:64:ALA:O[2_858]	1.75	0.45
1:B:126:GLU:N	1:C:63:GLU:OE2[2_858]	1.75	0.45
1:B:281:ASP:CG	1:C:303:LYS:NZ[2_858]	1.75	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:281:ASP:CB	1:C:303:LYS:CE[2_858]	1.75	0.45
1:B:306:GLU:CG	1:E:404:ARG:O[2_757]	1.75	0.45
1:B:320:LYS:CA	1:C:203:ILE:N[2_858]	1.75	0.45
1:B:325:GLU:OE2	1:C:207:LEU:CA[2_858]	1.75	0.45
1:B:370:GLN:C	1:C:141:LYS:CB[2_858]	1.75	0.45
1:B:373:GLY:N	1:C:138:ASP:O[2_858]	1.75	0.45
1:B:374:ILE:N	1:C:138:ASP:CG[2_858]	1.75	0.45
1:B:388:ARG:NH2	1:C:270:ALA:N[2_858]	1.75	0.45
1:B:391:TYR:C	1:C:271:LEU:C[2_858]	1.75	0.45
1:C:314:VAL:O	1:C:323:LYS:CB[2_958]	1.75	0.45
1:C:316:ARG:O	1:C:322:GLN:N[2_958]	1.75	0.45
1:C:316:ARG:C	1:C:320:LYS:O[2_958]	1.75	0.45
1:C:317:HIS:CG	1:C:325:GLU:CG[2_958]	1.75	0.45
1:D:2:PHE:C	1:E:306:GLU:OE1[2_757]	1.75	0.45
1:D:2:PHE:CZ	1:E:100:ILE:N[2_757]	1.75	0.45
1:D:6:LYS:NZ	1:E:312:GLY:C[2_757]	1.75	0.45
1:D:9:GLN:CB	1:E:285:GLN:CB[2_757]	1.75	0.45
1:D:23:ILE:CG1	1:E:206:LYS:CG[2_757]	1.75	0.45
1:D:26:LYS:C	1:E:201:LEU:CD2[2_757]	1.75	0.45
1:D:42:TYR:CA	1:E:114:VAL:CG1[2_757]	1.75	0.45
1:D:65:ILE:N	1:E:122:VAL:O[2_757]	1.75	0.45
1:D:65:ILE:C	1:E:123:PRO:N[2_757]	1.75	0.45
1:D:109:PHE:CE2	3:F:1601:NDP:O2B[2_757]	1.75	0.45
1:D:114:VAL:O	1:E:230:GLN:OE1[2_757]	1.75	0.45
1:D:205:LYS:C	3:F:1601:NDP:C4D[2_757]	1.75	0.45
1:D:230:GLN:NE2	1:F:26:LYS:CE[2_757]	1.75	0.45
1:D:234:GLU:C	1:F:27:ILE:CA[2_757]	1.75	0.45
1:D:234:GLU:O	1:F:27:ILE:O[2_757]	1.75	0.45
1:D:238:LYS:CD	1:F:25:ASP:CA[2_757]	1.75	0.45
1:D:243:GLN:CA	1:F:15:ASP:C[2_757]	1.75	0.45
1:D:338:TRP:C	1:E:269:MET:CB[2_757]	1.75	0.45
1:D:349:ASP:N	1:E:282:ILE:CD1[2_757]	1.75	0.45
1:D:353:ALA:CB	1:E:277:ASP:OD2[2_757]	1.75	0.45
1:D:361:LEU:CA	1:E:194:PHE:CZ[2_757]	1.75	0.45
1:D:374:ILE:CB	1:E:236:GLN:NE2[2_757]	1.75	0.45
1:D:376:THR:CA	1:E:240:LYS:N[2_757]	1.75	0.45
1:E:51:ASP:CG	1:E:179:GLY:C[2_657]	1.75	0.45
1:E:57:ILE:CA	1:F:160:SER:N[2_657]	1.75	0.45
1:E:60:ASP:N	1:F:162:PRO:N[2_657]	1.75	0.45
1:E:82:ALA:C	1:F:227:ASP:CA[2_657]	1.75	0.45
1:E:85:LYS:N	1:F:225:PHE:N[2_657]	1.75	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:90:HIS:CD2	1:E:181:ALA:N[2_657]	1.75	0.45
1:E:90:HIS:CA	1:E:180:VAL:CG2[2_657]	1.75	0.45
1:F:229:PHE:N	5:E:1524:HOH:O[2_657]	1.75	0.45
1:A:3:SER:OG	1:E:169:THR:C[2_657]	1.76	0.44
1:A:9:GLN:CD	1:A:163:THR:O[2_757]	1.76	0.44
1:A:13:GLU:N	1:A:168:GLN:C[2_757]	1.76	0.44
1:A:15:ASP:OD1	1:A:154:GLU:OE1[2_757]	1.76	0.44
1:A:21:ARG:NH2	1:A:171:LYS:CE[2_757]	1.76	0.44
1:A:34:PRO:O	1:E:173:TYR:C[2_657]	1.76	0.44
1:A:43:TYR:CB	1:A:170:LEU:CD1[2_757]	1.76	0.44
1:A:46:SER:CA	1:A:153:LEU:CA[2_757]	1.76	0.44
1:A:50:ARG:C	1:B:184:MET:N[2_757]	1.76	0.44
1:A:66:LYS:N	1:A:157:TYR:OH[2_757]	1.76	0.44
1:A:76:THR:CG2	1:B:155:LEU:C[2_757]	1.76	0.44
1:A:83:ARG:CD	1:A:146:LEU:C[2_757]	1.76	0.44
1:A:103:ILE:CG1	1:B:173:TYR:CD2[2_757]	1.76	0.44
1:A:119:PRO:O	1:C:40:LEU:C[2_858]	1.76	0.44
1:A:125:TRP:CA	1:C:11:VAL:CG2[2_858]	1.76	0.44
1:A:129:ILE:CD1	1:C:345:ARG:NE[2_858]	1.76	0.44
1:A:160:SER:OG	1:A:305:PHE:N[2_757]	1.76	0.44
1:A:216:THR:CA	1:E:5:ILE:N[2_757]	1.76	0.44
1:A:256:MET:CE	1:C:347:GLU:C[2_858]	1.76	0.44
1:A:259:GLN:O	1:C:348:LEU:CD1[2_858]	1.76	0.44
1:A:261:ILE:O	1:C:70:VAL:CA[2_858]	1.76	0.44
1:A:265:GLY:N	1:C:345:ARG:CB[2_858]	1.76	0.44
1:A:317:HIS:CD2	1:B:162:PRO:O[2_757]	1.76	0.44
1:A:365:THR:O	1:F:59:GLN:CB[2_657]	1.76	0.44
1:A:368:THR:OG1	1:F:99:THR:CB[2_657]	1.76	0.44
1:A:402:GLU:CB	1:F:102:ASN:OD1[2_657]	1.76	0.44
1:B:169:THR:C	3:A:1101:NDP:O7N[2_757]	1.76	0.44
1:B:19:MET:CG	1:C:237:TYR:CE1[2_858]	1.76	0.44
1:B:26:LYS:CA	1:C:231:GLU:OE1[2_858]	1.76	0.44
1:B:49:SER:OG	1:E:340:ARG:NE[2_757]	1.76	0.44
1:B:55:ASP:C	1:E:336:PHE:C[2_757]	1.76	0.44
1:B:59:GLN:NE2	1:E:27:ILE:CB[2_757]	1.76	0.44
1:B:63:GLU:CD	1:E:331:SER:CA[2_757]	1.76	0.44
1:B:66:LYS:CE	1:E:397:PHE:N[2_757]	1.76	0.44
1:B:91:LYS:C	1:E:345:ARG:CB[2_757]	1.76	0.44
1:B:118:ILE:CA	1:C:102:ASN:CA[2_858]	1.76	0.44
1:B:217:ILE:N	1:B:220:LYS:NZ[2_757]	1.76	0.44
1:B:285:GLN:CG	1:C:304:THR:OG1[2_858]	1.76	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:320:LYS:CB	1:C:202:ALA:C[2_858]	1.76	0.44
1:B:324:GLY:N	1:C:246:ILE:O[2_858]	1.76	0.44
1:B:335:ILE:CD1	1:C:188:ASP:N[2_858]	1.76	0.44
1:B:335:ILE:CG1	1:C:188:ASP:CA[2_858]	1.76	0.44
1:B:355:CYS:N	1:C:161:ASP:OD2[2_858]	1.76	0.44
1:B:358:ALA:CA	1:D:149:GLY:CA[2_858]	1.76	0.44
1:B:363:SER:C	1:D:175:TYR:CZ[2_858]	1.76	0.44
1:B:364:ALA:O	1:C:186:ASN:O[2_858]	1.76	0.44
1:B:372:ASP:OD1	1:C:184:MET:CA[2_858]	1.76	0.44
1:B:376:THR:N	1:C:134:HIS:CA[2_858]	1.76	0.44
1:B:377:LYS:N	1:C:107:THR:CG2[2_858]	1.76	0.44
1:B:380:ALA:O	1:C:108:VAL:CG2[2_858]	1.76	0.44
1:B:383:CYS:C	1:C:101:ARG:NE[2_858]	1.76	0.44
1:B:393:THR:C	1:C:229:PHE:CZ[2_858]	1.76	0.44
1:B:397:PHE:CE2	1:C:191:ILE:CG1[2_858]	1.76	0.44
1:C:316:ARG:C	1:C:323:LYS:N[2_958]	1.76	0.44
1:D:9:GLN:N	1:E:281:ASP:O[2_757]	1.76	0.44
1:D:39:ASP:OD2	1:E:289:SER:N[2_757]	1.76	0.44
1:D:115:ILE:O	1:E:234:GLU:OE2[2_757]	1.76	0.44
1:D:138:ASP:OD1	1:F:388:ARG:C[2_757]	1.76	0.44
1:D:192:GLU:CA	1:F:376:THR:N[2_757]	1.76	0.44
1:D:195:ALA:N	1:F:376:THR:CG2[2_757]	1.76	0.44
1:D:208:ASN:N	1:F:18:GLU:CA[2_757]	1.76	0.44
1:D:224:ARG:NH2	1:F:374:ILE:CD1[2_757]	1.76	0.44
1:D:229:PHE:CB	1:F:394:THR:N[2_757]	1.76	0.44
1:D:233:TYR:CD1	1:F:23:ILE:N[2_757]	1.76	0.44
1:D:234:GLU:CA	1:F:27:ILE:CA[2_757]	1.76	0.44
1:D:239:SER:O	1:F:24:TRP:CD2[2_757]	1.76	0.44
1:D:242:GLU:O	1:F:15:ASP:CG[2_757]	1.76	0.44
1:D:249:GLU:CB	1:F:321:TYR:CE1[2_757]	1.76	0.44
1:D:298:VAL:CG1	1:F:285:GLN:CD[2_757]	1.76	0.44
1:D:300:PRO:O	1:F:289:SER:CA[2_757]	1.76	0.44
1:D:306:GLU:CA	1:E:263:SER:C[2_757]	1.76	0.44
1:D:329:THR:CG2	1:E:244:LEU:C[2_757]	1.76	0.44
1:D:329:THR:OG1	1:E:244:LEU:N[2_757]	1.76	0.44
1:D:330:ASN:N	1:E:241:PHE:N[2_757]	1.76	0.44
1:D:340:ARG:NH2	1:E:251:ARG:CA[2_757]	1.76	0.44
1:D:367:ASN:O	1:E:232:VAL:CB[2_757]	1.76	0.44
1:E:91:LYS:CD	1:E:145:THR:CA[2_657]	1.76	0.44
1:A:18:GLU:C	1:B:159:PRO:N[2_757]	1.77	0.43
1:A:19:MET:N	1:B:158:LYS:C[2_757]	1.77	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:52:ALA:CB	1:B:141:LYS:C[2_757]	1.77	0.43
1:A:58:THR:OG1	1:B:182:MET:O[2_757]	1.77	0.43
1:A:59:GLN:N	1:B:181:ALA:C[2_757]	1.77	0.43
1:A:62:ALA:N	1:B:153:LEU:CD2[2_757]	1.77	0.43
1:A:75:ALA:C	1:B:156:VAL:CG1[2_757]	1.77	0.43
1:A:83:ARG:CA	1:A:179:GLY:O[2_757]	1.77	0.43
1:A:88:ASN:CB	1:B:187:THR:OG1[2_757]	1.77	0.43
1:A:88:ASN:CA	1:B:187:THR:CA[2_757]	1.77	0.43
1:A:93:TRP:NE1	1:B:221:TYR:CZ[2_757]	1.77	0.43
1:A:100:ILE:CG1	1:B:153:LEU:CA[2_757]	1.77	0.43
1:A:207:LEU:CG	1:C:353:ALA:O[2_858]	1.77	0.43
1:A:260:MET:N	1:C:348:LEU:CB[2_858]	1.77	0.43
1:A:267:PHE:CE2	1:C:345:ARG:CA[2_858]	1.77	0.43
1:A:268:ILE:CA	1:C:350:ASN:C[2_858]	1.77	0.43
1:A:286:GLY:N	1:C:10:PRO:CG[2_858]	1.77	0.43
1:A:312:GLY:C	1:B:167:PRO:CB[2_757]	1.77	0.43
1:A:392:VAL:C	1:F:65:ILE:CG2[2_657]	1.77	0.43
1:B:10:PRO:CA	1:E:117:ARG:NH1[2_757]	1.77	0.43
1:B:12:VAL:N	1:E:370:GLN:CA[2_757]	1.77	0.43
1:B:53:THR:CB	1:E:340:ARG:CG[2_757]	1.77	0.43
1:B:63:GLU:O	1:E:397:PHE:CZ[2_757]	1.77	0.43
1:B:81:GLU:CD	1:E:8:LYS:CG[2_757]	1.77	0.43
1:B:83:ARG:CG	1:E:352:PRO:N[2_757]	1.77	0.43
1:B:93:TRP:CD1	1:E:342:LEU:N[2_757]	1.77	0.43
1:B:100:ILE:CA	1:E:31:LEU:CD2[2_757]	1.77	0.43
1:B:102:ASN:OD1	1:E:30:LYS:CG[2_757]	1.77	0.43
1:B:104:LEU:CB	1:E:399:ASP:C[2_757]	1.77	0.43
1:B:306:GLU:CG	1:E:404:ARG:CA[2_757]	1.77	0.43
1:B:318:TYR:CB	1:C:237:TYR:CE2[2_858]	1.77	0.43
1:B:321:TYR:CA	1:C:241:PHE:CD1[2_858]	1.77	0.43
1:B:326:GLU:CA	1:C:209:LEU:CA[2_858]	1.77	0.43
1:B:326:GLU:O	1:C:209:LEU:CG[2_858]	1.77	0.43
1:B:354:LEU:CA	1:C:164:THR:N[2_858]	1.77	0.43
1:B:372:ASP:O	1:C:139:GLN:OE1[2_858]	1.77	0.43
1:B:372:ASP:N	1:C:138:ASP:O[2_858]	1.77	0.43
1:B:390:ALA:O	1:C:133:ARG:CG[2_858]	1.77	0.43
1:B:396:GLU:N	1:C:211:LEU:CD1[2_858]	1.77	0.43
1:B:405:LEU:CA	1:D:145:THR:O[2_858]	1.77	0.43
1:B:406:GLN:CA	1:D:146:LEU:N[2_858]	1.77	0.43
1:D:2:PHE:CA	1:E:306:GLU:OE2[2_757]	1.77	0.43
1:D:4:LYS:N	1:E:308:GLU:CD[2_757]	1.77	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:19:MET:O	1:E:206:LYS:CD[2_757]	1.77	0.43
1:D:23:ILE:CA	1:E:206:LYS:CA[2_757]	1.77	0.43
1:D:24:TRP:CZ3	1:E:266:GLY:O[2_757]	1.77	0.43
1:D:27:ILE:N	1:E:205:LYS:CG[2_757]	1.77	0.43
1:D:32:ILE:N	1:E:109:PHE:CG[2_757]	1.77	0.43
1:D:37:ASP:C	1:E:310:ALA:CB[2_757]	1.77	0.43
1:D:40:LEU:CB	1:E:112:PRO:O[2_757]	1.77	0.43
1:D:72:ILE:CA	1:E:265:GLY:C[2_757]	1.77	0.43
1:D:74:CYS:CA	1:E:127:LYS:NZ[2_757]	1.77	0.43
1:D:80:ASP:O	1:D:88:ASN:ND2[2_858]	1.77	0.43
1:D:188:ASP:CB	1:F:373:GLY:O[2_757]	1.77	0.43
1:D:211:LEU:CG	1:F:327:THR:O[2_757]	1.77	0.43
1:D:211:LEU:CA	1:F:327:THR:CB[2_757]	1.77	0.43
1:D:227:ASP:C	1:F:396:GLU:N[2_757]	1.77	0.43
1:D:228:ILE:O	1:F:397:PHE:C[2_757]	1.77	0.43
1:D:228:ILE:CB	1:F:397:PHE:N[2_757]	1.77	0.43
1:D:240:LYS:N	1:F:24:TRP:CE2[2_757]	1.77	0.43
1:D:241:PHE:CE2	1:F:20:THR:CA[2_757]	1.77	0.43
1:D:296:ILE:CG2	1:E:259:GLN:OE1[2_757]	1.77	0.43
1:D:306:GLU:OE2	1:E:264:LYS:CG[2_757]	1.77	0.43
1:D:338:TRP:CB	1:E:268:ILE:C[2_757]	1.77	0.43
1:D:349:ASP:OD2	1:E:282:ILE:CG1[2_757]	1.77	0.43
1:D:357:PHE:CZ	1:E:132:GLY:CA[2_757]	1.77	0.43
1:D:364:ALA:CA	1:E:195:ALA:N[2_757]	1.77	0.43
1:D:368:THR:N	1:E:232:VAL:CG2[2_757]	1.77	0.43
1:D:372:ASP:CG	1:E:196:HIS:NE2[2_757]	1.77	0.43
1:D:376:THR:OG1	1:E:237:TYR:C[2_757]	1.77	0.43
1:D:399:ASP:C	1:E:200:LYS:CG[2_757]	1.77	0.43
1:D:406:GLN:O	1:E:106:GLY:CA[2_757]	1.77	0.43
1:D:408:GLU:C	1:E:134:HIS:CD2[2_757]	1.77	0.43
1:D:408:GLU:CG	1:E:190:SER:O[2_757]	1.77	0.43
1:E:47:VAL:O	1:E:178:SER:C[2_657]	1.77	0.43
1:E:50:ARG:CD	1:E:148:PRO:C[2_657]	1.77	0.43
1:E:57:ILE:O	1:F:161:ASP:O[2_657]	1.77	0.43
1:E:93:TRP:CD1	1:E:147:ILE:N[2_657]	1.77	0.43
1:A:2:PHE:CA	1:E:155:LEU:CA[2_657]	1.78	0.42
1:A:11:VAL:C	1:A:167:PRO:O[2_757]	1.78	0.42
1:A:16:GLY:N	1:A:154:GLU:OE1[2_757]	1.78	0.42
1:A:45:LEU:O	1:A:153:LEU:CD1[2_757]	1.78	0.42
1:A:56:LYS:O	1:B:182:MET:N[2_757]	1.78	0.42
1:A:59:GLN:NE2	1:A:185:TYR:CB[2_757]	1.78	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:67:LYS:N	1:B:149:GLY:CA[2_757]	1.78	0.42
1:A:78:THR:CG2	1:A:144:ASP:O[2_757]	1.78	0.42
1:A:83:ARG:CB	1:A:146:LEU:CA[2_757]	1.78	0.42
1:A:89:LEU:CD2	1:A:180:VAL:O[2_757]	1.78	0.42
1:A:90:HIS:CB	1:B:138:ASP:OD2[2_757]	1.78	0.42
1:A:96:PRO:CB	1:B:155:LEU:CB[2_757]	1.78	0.42
1:A:101:ARG:CA	1:B:173:TYR:C[2_757]	1.78	0.42
1:A:103:ILE:CD1	1:A:185:TYR:CB[2_757]	1.78	0.42
1:A:114:VAL:N	1:C:37:ASP:OD1[2_858]	1.78	0.42
1:A:124:ARG:NH2	1:C:306:GLU:O[2_858]	1.78	0.42
1:A:141:LYS:CG	1:A:141:LYS:CD[2_757]	1.78	0.42
1:A:165:ALA:O	1:A:345:ARG:NH1[2_757]	1.78	0.42
1:A:208:ASN:N	1:C:352:PRO:O[2_858]	1.78	0.42
1:A:210:PHE:N	1:C:350:ASN:OD1[2_858]	1.78	0.42
1:A:218:LEU:O	1:E:37:ASP:OD1[2_757]	1.78	0.42
1:A:263:SER:CA	1:C:344:LYS:CB[2_858]	1.78	0.42
1:A:297:LEU:CD2	1:B:174:ASP:CG[2_757]	1.78	0.42
1:A:313:THR:OG1	1:B:157:TYR:CD2[2_757]	1.78	0.42
1:A:370:GLN:C	1:F:50:ARG:CG[2_657]	1.78	0.42
1:A:376:THR:CA	1:F:64:ALA:C[2_657]	1.78	0.42
1:A:382:ALA:N	1:F:41:LYS:CG[2_657]	1.78	0.42
1:A:404:ARG:NE	1:F:94:LYS:O[2_657]	1.78	0.42
1:B:47:VAL:O	1:E:343:LEU:CD1[2_757]	1.78	0.42
1:B:58:THR:O	1:E:335:ILE:CG2[2_757]	1.78	0.42
1:B:70:VAL:CB	1:E:372:ASP:N[2_757]	1.78	0.42
1:B:70:VAL:C	1:E:372:ASP:N[2_757]	1.78	0.42
1:B:77:ILE:CA	1:E:356:LYS:CB[2_757]	1.78	0.42
1:B:89:LEU:CG	1:E:343:LEU:O[2_757]	1.78	0.42
1:B:91:LYS:N	1:E:70:VAL:CB[2_757]	1.78	0.42
1:B:92:MET:CA	1:E:345:ARG:CG[2_757]	1.78	0.42
1:B:123:PRO:CA	1:C:62:ALA:N[2_858]	1.78	0.42
1:B:287:PHE:CA	1:C:66:LYS:CE[2_858]	1.78	0.42
1:B:308:GLU:CG	1:E:408:GLU:N[2_757]	1.78	0.42
1:B:308:GLU:CD	1:E:409:ILE:N[2_757]	1.78	0.42
1:B:310:ALA:O	1:E:410:LYS:C[2_757]	1.78	0.42
1:B:320:LYS:CA	1:C:202:ALA:C[2_858]	1.78	0.42
1:B:327:THR:C	1:C:198:SER:OG[2_858]	1.78	0.42
1:B:328:SER:OG	1:C:194:PHE:CD2[2_858]	1.78	0.42
1:B:331:SER:N	1:C:192:GLU:N[2_858]	1.78	0.42
1:B:363:SER:C	1:D:175:TYR:CE1[2_858]	1.78	0.42
1:B:369:VAL:O	1:C:137:GLY:C[2_858]	1.78	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:370:GLN:C	1:C:141:LYS:O[2_858]	1.78	0.42
1:B:381:LEU:N	1:C:108:VAL:CB[2_858]	1.78	0.42
1:B:385:ASN:C	1:C:110:ARG:CZ[2_858]	1.78	0.42
1:B:389:SER:C	1:C:277:ASP:N[2_858]	1.78	0.42
1:B:389:SER:O	1:C:276:GLY:N[2_858]	1.78	0.42
1:B:405:LEU:CD2	1:D:147:ILE:C[2_858]	1.78	0.42
1:B:407:LYS:CD	1:D:144:ASP:O[2_858]	1.78	0.42
1:C:19:MET:N	1:C:323:LYS:NZ[2_958]	1.78	0.42
1:C:316:ARG:N	1:C:323:LYS:CA[2_958]	1.78	0.42
1:C:319:ARG:N	1:C:319:ARG:O[2_958]	1.78	0.42
1:C:319:ARG:CA	1:C:319:ARG:C[2_958]	1.78	0.42
1:C:388:ARG:CD	1:C:391:TYR:C[2_958]	1.78	0.42
1:D:3:SER:N	5:E:1531:HOH:O[2_757]	1.78	0.42
1:D:5:ILE:O	1:E:110:ARG:CZ[2_757]	1.78	0.42
1:D:37:ASP:CG	1:E:310:ALA:CA[2_757]	1.78	0.42
1:D:37:ASP:O	1:E:310:ALA:CB[2_757]	1.78	0.42
1:D:40:LEU:CA	1:E:112:PRO:CA[2_757]	1.78	0.42
1:D:68:TYR:CE1	1:E:120:ARG:C[2_757]	1.78	0.42
1:D:82:ALA:O	1:D:85:LYS:O[2_858]	1.78	0.42
1:D:105:GLY:CA	1:F:382:ALA:N[2_757]	1.78	0.42
1:D:109:PHE:CE2	3:F:1601:NDP:C2B[2_757]	1.78	0.42
1:D:115:ILE:CB	1:E:230:GLN:CG[2_757]	1.78	0.42
1:D:134:HIS:CE1	1:F:391:TYR:CG[2_757]	1.78	0.42
1:D:137:GLY:C	1:F:386:ASN:O[2_757]	1.78	0.42
1:D:191:ILE:CA	1:F:375:MET:C[2_757]	1.78	0.42
1:D:191:ILE:N	1:F:375:MET:O[2_757]	1.78	0.42
1:D:197:SER:CA	3:F:1601:NDP:C6A[2_757]	1.78	0.42
1:D:200:LYS:NZ	1:F:291:GLY:O[2_757]	1.78	0.42
1:D:207:LEU:CD2	1:F:83:ARG:CZ[2_757]	1.78	0.42
1:D:233:TYR:CE1	1:F:24:TRP:N[2_757]	1.78	0.42
1:D:236:GLN:O	1:F:335:ILE:N[2_757]	1.78	0.42
1:D:236:GLN:OE1	1:F:335:ILE:CB[2_757]	1.78	0.42
1:D:256:MET:CB	1:F:324:GLY:N[2_757]	1.78	0.42
1:D:260:MET:SD	1:F:323:LYS:CE[2_757]	1.78	0.42
1:D:266:GLY:O	5:F:1615:HOH:O[2_757]	1.78	0.42
1:D:267:PHE:N	1:F:319:ARG:NH1[2_757]	1.78	0.42
1:D:339:SER:CB	1:E:269:MET:C[2_757]	1.78	0.42
1:D:343:LEU:CD1	1:E:212:SER:CB[2_757]	1.78	0.42
1:D:353:ALA:O	1:E:273:ASN:O[2_757]	1.78	0.42
1:D:366:LEU:C	1:E:229:PHE:CA[2_757]	1.78	0.42
1:D:370:GLN:CG	1:E:231:GLU:CB[2_757]	1.78	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:378:ASP:CB	1:E:242:GLU:CB[2_757]	1.78	0.42
1:D:408:GLU:OE1	1:E:191:ILE:CG2[2_757]	1.78	0.42
1:E:49:SER:O	1:E:149:GLY:C[2_657]	1.78	0.42
1:E:53:THR:OG1	1:E:150:PRO:C[2_657]	1.78	0.42
1:E:53:THR:O	1:F:157:TYR:CD1[2_657]	1.78	0.42
1:E:53:THR:N	1:E:175:TYR:CG[2_657]	1.78	0.42
1:E:54:SER:O	1:F:157:TYR:CD1[2_657]	1.78	0.42
1:E:60:ASP:O	1:F:162:PRO:CD[2_657]	1.78	0.42
1:E:60:ASP:N	1:F:162:PRO:CG[2_657]	1.78	0.42
1:E:61:ALA:C	1:F:163:THR:OG1[2_657]	1.78	0.42
1:E:91:LYS:O	1:E:146:LEU:CG[2_657]	1.78	0.42
1:E:93:TRP:CE2	1:E:146:LEU:C[2_657]	1.78	0.42
1:E:100:ILE:CD1	1:F:163:THR:O[2_657]	1.78	0.42
1:A:3:SER:O	1:E:171:LYS:N[2_657]	1.79	0.41
1:A:13:GLU:CA	1:A:168:GLN:C[2_757]	1.79	0.41
1:A:35:TYR:C	1:E:171:LYS:NZ[2_657]	1.79	0.41
1:A:62:ALA:O	1:B:147:ILE:CG2[2_757]	1.79	0.41
1:A:73:LYS:N	1:A:158:LYS:CE[2_757]	1.79	0.41
1:A:74:CYS:SG	1:B:158:LYS:CE[2_757]	1.79	0.41
1:A:93:TRP:CG	1:A:182:MET:CB[2_757]	1.79	0.41
1:A:103:ILE:CG2	1:B:175:TYR:CD2[2_757]	1.79	0.41
1:A:103:ILE:CA	1:B:173:TYR:CG[2_757]	1.79	0.41
1:A:104:LEU:CG	1:B:175:TYR:N[2_757]	1.79	0.41
1:A:120:ARG:CD	1:C:40:LEU:CG[2_858]	1.79	0.41
1:A:124:ARG:CB	1:C:71:GLY:O[2_858]	1.79	0.41
1:A:144:ASP:CG	1:B:219:LYS:NZ[2_757]	1.79	0.41
1:A:215:ASN:CA	1:E:6:LYS:CG[2_757]	1.79	0.41
1:A:320:LYS:N	1:B:161:ASP:CB[2_757]	1.79	0.41
1:A:384:GLY:CA	1:F:40:LEU:CA[2_657]	1.79	0.41
1:A:385:ASN:O	1:F:11:VAL:CB[2_657]	1.79	0.41
1:A:393:THR:C	1:F:304:THR:CG2[2_657]	1.79	0.41
1:B:168:GLN:CG	3:A:1101:NDP:C3D[2_757]	1.79	0.41
1:B:49:SER:OG	1:E:340:ARG:CZ[2_757]	1.79	0.41
1:B:68:TYR:CE2	1:E:375:MET:SD[2_757]	1.79	0.41
1:B:70:VAL:CA	1:E:372:ASP:N[2_757]	1.79	0.41
1:B:82:ALA:O	1:E:349:ASP:O[2_757]	1.79	0.41
1:B:83:ARG:N	1:E:350:ASN:O[2_757]	1.79	0.41
1:B:89:LEU:CB	1:E:345:ARG:CA[2_757]	1.79	0.41
1:B:93:TRP:C	1:E:342:LEU:CD2[2_757]	1.79	0.41
1:B:96:PRO:N	1:E:357:PHE:CE2[2_757]	1.79	0.41
1:B:102:ASN:O	1:E:30:LYS:CG[2_757]	1.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:277:ASP:O	1:E:2:PHE:CE1[2_757]	1.79	0.41
1:B:296:ILE:C	1:E:407:LYS:CE[2_757]	1.79	0.41
1:B:308:GLU:OE2	1:E:407:LYS:O[2_757]	1.79	0.41
1:B:317:HIS:CA	1:C:199:PHE:C[2_858]	1.79	0.41
1:B:317:HIS:CB	1:C:196:HIS:O[2_858]	1.79	0.41
1:B:323:LYS:NZ	1:C:206:LYS:CA[2_858]	1.79	0.41
1:B:335:ILE:CD1	1:C:188:ASP:CB[2_858]	1.79	0.41
1:B:351:THR:CB	1:C:163:THR:CG2[2_858]	1.79	0.41
1:B:359:ASN:CA	1:D:151:GLY:N[2_858]	1.79	0.41
1:B:365:THR:O	1:C:186:ASN:CA[2_858]	1.79	0.41
1:B:367:ASN:C	1:C:185:TYR:C[2_858]	1.79	0.41
1:B:378:ASP:OD1	1:C:106:GLY:O[2_858]	1.79	0.41
1:B:387:GLU:OE2	1:C:110:ARG:NH1[2_858]	1.79	0.41
1:B:387:GLU:CG	1:C:280:SER:OG[2_858]	1.79	0.41
1:B:389:SER:CB	1:C:279:GLN:CA[2_858]	1.79	0.41
1:B:391:TYR:CG	1:C:132:GLY:O[2_858]	1.79	0.41
1:B:398:LEU:C	1:C:224:ARG:O[2_858]	1.79	0.41
1:B:399:ASP:OD1	1:C:223:GLY:C[2_858]	1.79	0.41
1:B:403:LYS:CB	1:C:221:TYR:CB[2_858]	1.79	0.41
1:C:317:HIS:NE2	1:C:325:GLU:CA[2_958]	1.79	0.41
1:C:317:HIS:CE1	1:C:325:GLU:N[2_958]	1.79	0.41
1:C:326:GLU:OE2	1:C:328:SER:OG[2_958]	1.79	0.41
1:D:4:LYS:CA	1:E:308:GLU:OE2[2_757]	1.79	0.41
1:D:8:LYS:CE	1:F:258:ALA:N[2_757]	1.79	0.41
1:D:10:PRO:CB	1:E:288:GLY:N[2_757]	1.79	0.41
1:D:13:GLU:CA	1:E:127:LYS:O[2_757]	1.79	0.41
1:D:27:ILE:CG1	1:E:268:ILE:CD1[2_757]	1.79	0.41
1:D:40:LEU:CG	1:E:112:PRO:CG[2_757]	1.79	0.41
1:D:66:LYS:N	1:E:124:ARG:N[2_757]	1.79	0.41
1:D:70:VAL:O	1:E:125:TRP:CG[2_757]	1.79	0.41
1:D:85:LYS:NZ	1:D:87:PHE:CG[2_858]	1.79	0.41
1:D:135:ALA:C	1:F:381:LEU:CG[2_757]	1.79	0.41
1:D:138:ASP:CG	1:F:388:ARG:CG[2_757]	1.79	0.41
1:D:185:TYR:N	1:F:389:SER:OG[2_757]	1.79	0.41
1:D:203:ILE:CG2	1:F:75:ALA:CA[2_757]	1.79	0.41
1:D:205:LYS:CB	3:F:1601:NDP:O5D[2_757]	1.79	0.41
1:D:225:PHE:C	1:F:393:THR:N[2_757]	1.79	0.41
1:D:231:GLU:OE2	1:F:400:ALA:CA[2_757]	1.79	0.41
1:D:231:GLU:CA	1:F:398:LEU:O[2_757]	1.79	0.41
1:D:233:TYR:CE1	1:F:22:ILE:C[2_757]	1.79	0.41
1:D:239:SER:C	1:F:24:TRP:CZ2[2_757]	1.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:268:ILE:CG1	1:F:314:VAL:C[2_757]	1.79	0.41
1:D:268:ILE:CD1	1:F:314:VAL:CA[2_757]	1.79	0.41
1:D:305:PHE:N	1:E:262:LYS:N[2_757]	1.79	0.41
1:D:307:SER:CB	1:E:267:PHE:CZ[2_757]	1.79	0.41
1:D:330:ASN:CG	1:E:241:PHE:CG[2_757]	1.79	0.41
1:D:332:ILE:O	1:E:209:LEU:N[2_757]	1.79	0.41
1:D:338:TRP:CZ3	1:E:130:ILE:CA[2_757]	1.79	0.41
1:D:354:LEU:N	1:E:277:ASP:C[2_757]	1.79	0.41
1:D:357:PHE:C	1:E:271:LEU:C[2_757]	1.79	0.41
1:D:360:ILE:CG2	1:E:194:PHE:CD1[2_757]	1.79	0.41
1:D:370:GLN:OE1	1:E:231:GLU:CG[2_757]	1.79	0.41
1:D:398:LEU:CD2	1:E:199:PHE:O[2_757]	1.79	0.41
1:D:404:ARG:NE	1:E:192:GLU:CB[2_757]	1.79	0.41
1:D:406:GLN:CG	1:E:298:VAL:O[2_757]	1.79	0.41
1:E:47:VAL:CA	1:E:178:SER:CB[2_657]	1.79	0.41
1:E:53:THR:C	1:F:157:TYR:CE1[2_657]	1.79	0.41
1:E:54:SER:C	1:F:157:TYR:CE1[2_657]	1.79	0.41
1:E:56:LYS:C	1:F:159:PRO:CG[2_657]	1.79	0.41
1:E:82:ALA:N	1:F:227:ASP:OD2[2_657]	1.79	0.41
1:E:83:ARG:O	1:F:228:ILE:CG1[2_657]	1.79	0.41
1:E:92:MET:CB	1:E:146:LEU:CD1[2_657]	1.79	0.41
1:A:3:SER:CA	1:E:170:LEU:O[2_657]	1.80	0.40
1:A:16:GLY:N	1:A:154:GLU:CG[2_757]	1.80	0.40
1:A:44:ASP:OD2	1:A:171:LYS:CG[2_757]	1.80	0.40
1:A:48:GLU:C	1:B:185:TYR:CE2[2_757]	1.80	0.40
1:A:63:GLU:CA	1:B:147:ILE:CG1[2_757]	1.80	0.40
1:A:69:GLY:O	1:A:159:PRO:CA[2_757]	1.80	0.40
1:A:86:GLU:OE2	1:A:149:GLY:N[2_757]	1.80	0.40
1:A:93:TRP:C	1:A:144:ASP:CA[2_757]	1.80	0.40
1:A:100:ILE:CD1	1:B:153:LEU:CA[2_757]	1.80	0.40
1:A:121:LEU:C	1:C:12:VAL:CG2[2_858]	1.80	0.40
1:A:124:ARG:NE	1:C:307:SER:N[2_858]	1.80	0.40
1:A:125:TRP:CZ2	1:C:345:ARG:CZ[2_858]	1.80	0.40
1:A:163:THR:CA	1:A:345:ARG:NH2[2_757]	1.80	0.40
1:A:216:THR:N	1:E:4:LYS:O[2_757]	1.80	0.40
1:A:263:SER:CB	1:C:344:LYS:CA[2_858]	1.80	0.40
1:A:263:SER:O	1:C:70:VAL:CB[2_858]	1.80	0.40
1:A:267:PHE:C	1:C:351:THR:O[2_858]	1.80	0.40
1:A:287:PHE:CA	1:C:10:PRO:CB[2_858]	1.80	0.40
1:A:388:ARG:CB	1:F:341:GLY:C[2_657]	1.80	0.40
1:A:396:GLU:CG	1:F:297:LEU:CG[2_657]	1.80	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:398:LEU:CG	1:F:103:ILE:O[2_657]	1.80	0.40
1:B:168:GLN:NE2	3:A:1101:NDP:C3D[2_757]	1.80	0.40
1:B:10:PRO:CG	1:E:117:ARG:CG[2_757]	1.80	0.40
1:B:11:VAL:N	1:E:370:GLN:C[2_757]	1.80	0.40
1:B:40:LEU:C	1:E:370:GLN:CD[2_757]	1.80	0.40
1:B:56:LYS:C	1:E:336:PHE:CB[2_757]	1.80	0.40
1:B:71:GLY:CA	1:E:404:ARG:NE[2_757]	1.80	0.40
1:B:77:ILE:CB	1:E:352:PRO:O[2_757]	1.80	0.40
1:B:80:ASP:OD1	1:E:351:THR:CG2[2_757]	1.80	0.40
1:B:84:VAL:CB	1:E:349:ASP:OD2[2_757]	1.80	0.40
1:B:89:LEU:CG	1:E:346:GLY:N[2_757]	1.80	0.40
1:B:94:LYS:C	1:E:36:LEU:CD1[2_757]	1.80	0.40
1:B:104:LEU:CD2	1:E:400:ALA:N[2_757]	1.80	0.40
1:B:104:LEU:CG	1:E:400:ALA:O[2_757]	1.80	0.40
1:B:110:ARG:CG	1:E:410:LYS:CE[2_757]	1.80	0.40
1:B:297:LEU:C	1:E:407:LYS:CE[2_757]	1.80	0.40
1:B:308:GLU:CG	1:E:408:GLU:CA[2_757]	1.80	0.40
1:B:322:GLN:OE1	1:C:240:LYS:C[2_858]	1.80	0.40
1:B:326:GLU:OE1	1:C:210:PHE:O[2_858]	1.80	0.40
1:B:329:THR:CA	1:C:194:PHE:C[2_858]	1.80	0.40
1:B:332:ILE:CB	1:C:190:SER:CA[2_858]	1.80	0.40
1:B:365:THR:CA	1:C:187:THR:N[2_858]	1.80	0.40
1:B:369:VAL:CG2	1:C:136:HIS:CG[2_858]	1.80	0.40
1:B:369:VAL:O	1:C:137:GLY:CA[2_858]	1.80	0.40
1:B:370:GLN:CG	1:C:141:LYS:CD[2_858]	1.80	0.40
1:B:370:GLN:C	1:C:141:LYS:CA[2_858]	1.80	0.40
1:B:372:ASP:C	1:C:138:ASP:CA[2_858]	1.80	0.40
1:B:375:MET:CG	1:C:134:HIS:C[2_858]	1.80	0.40
1:B:378:ASP:N	1:C:107:THR:C[2_858]	1.80	0.40
1:B:383:CYS:SG	1:C:101:ARG:CD[2_858]	1.80	0.40
1:B:384:GLY:C	1:C:308:GLU:OE2[2_858]	1.80	0.40
1:B:385:ASN:O	1:C:110:ARG:NE[2_858]	1.80	0.40
1:B:385:ASN:ND2	1:C:133:ARG:NH1[2_858]	1.80	0.40
1:B:387:GLU:OE1	1:C:277:ASP:O[2_858]	1.80	0.40
1:B:396:GLU:OE1	1:C:212:SER:O[2_858]	1.80	0.40
1:B:397:PHE:CA	1:C:225:PHE:CG[2_858]	1.80	0.40
1:B:399:ASP:CG	1:C:226:LYS:N[2_858]	1.80	0.40
1:B:404:ARG:NH2	1:C:184:MET:C[2_858]	1.80	0.40
1:C:316:ARG:CA	1:C:322:GLN:CA[2_958]	1.80	0.40
1:D:10:PRO:N	1:E:286:GLY:N[2_757]	1.80	0.40
1:D:32:ILE:C	1:E:109:PHE:O[2_757]	1.80	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:35:TYR:CD1	1:E:109:PHE:N[2_757]	1.80	0.40
1:D:35:TYR:CD1	1:E:108:VAL:CA[2_757]	1.80	0.40
1:D:38:VAL:N	1:E:293:MET:SD[2_757]	1.80	0.40
1:D:72:ILE:O	1:E:127:LYS:O[2_757]	1.80	0.40
1:D:85:LYS:CA	1:D:85:LYS:C[2_858]	1.80	0.40
1:D:109:PHE:CG	3:F:1601:NDP:O3X[2_757]	1.80	0.40
1:D:115:ILE:CG1	1:E:230:GLN:CD[2_757]	1.80	0.40
1:D:200:LYS:CD	1:F:290:LEU:C[2_757]	1.80	0.40
1:D:201:LEU:CD1	3:F:1601:NDP:C4B[2_757]	1.80	0.40
1:D:209:LEU:N	1:F:19:MET:N[2_757]	1.80	0.40
1:D:210:PHE:CE2	1:F:321:TYR:CD2[2_757]	1.80	0.40
1:D:212:SER:OG	1:F:325:GLU:C[2_757]	1.80	0.40
1:D:212:SER:N	1:F:325:GLU:C[2_757]	1.80	0.40
1:D:227:ASP:C	1:F:396:GLU:O[2_757]	1.80	0.40
1:D:227:ASP:O	1:F:395:GLU:C[2_757]	1.80	0.40
1:D:231:GLU:C	1:F:398:LEU:CG[2_757]	1.80	0.40
1:D:239:SER:O	1:F:24:TRP:CD1[2_757]	1.80	0.40
1:D:290:LEU:O	1:E:247:HIS:NE2[2_757]	1.80	0.40
1:D:299:THR:O	1:F:288:GLY:O[2_757]	1.80	0.40
1:D:303:LYS:NZ	1:F:287:PHE:CD1[2_757]	1.80	0.40
1:D:304:THR:CG2	1:F:121:LEU:CD2[2_757]	1.80	0.40
1:D:305:PHE:CG	1:E:258:ALA:O[2_757]	1.80	0.40
1:D:329:THR:C	1:E:240:LYS:C[2_757]	1.80	0.40
1:D:339:SER:C	1:E:269:MET:CB[2_757]	1.80	0.40
1:D:340:ARG:CA	1:E:256:MET:CG[2_757]	1.80	0.40
1:D:349:ASP:CB	1:F:257:VAL:CB[2_757]	1.80	0.40
1:D:354:LEU:O	1:E:275:ASP:O[2_757]	1.80	0.40
1:D:360:ILE:O	1:E:194:PHE:CZ[2_757]	1.80	0.40
1:D:360:ILE:CG2	1:E:134:HIS:CG[2_757]	1.80	0.40
1:D:367:ASN:CB	1:E:228:ILE:CG2[2_757]	1.80	0.40
1:D:373:GLY:C	1:E:236:GLN:OE1[2_757]	1.80	0.40
1:D:376:THR:C	1:E:239:SER:OG[2_757]	1.80	0.40
1:D:404:ARG:NH1	1:E:192:GLU:CB[2_757]	1.80	0.40
1:D:408:GLU:CA	1:E:190:SER:O[2_757]	1.80	0.40
1:E:81:GLU:C	1:F:227:ASP:OD1[2_657]	1.80	0.40
1:E:89:LEU:O	1:E:180:VAL:CG1[2_657]	1.80	0.40
1:E:91:LYS:CG	1:E:145:THR:N[2_657]	1.80	0.40
1:A:32:ILE:O	1:E:174:ASP:OD1[2_657]	1.81	0.39
1:A:33:LEU:O	1:E:174:ASP:CG[2_657]	1.81	0.39
1:A:33:LEU:CD1	1:E:175:TYR:O[2_657]	1.81	0.39
1:A:47:VAL:O	1:B:185:TYR:CB[2_757]	1.81	0.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:49:SER:C	1:A:172:VAL:CG1[2_757]	1.81	0.39
1:A:50:ARG:NE	1:B:155:LEU:CD2[2_757]	1.81	0.39
1:A:65:ILE:CD1	1:A:157:TYR:CD1[2_757]	1.81	0.39
1:A:67:LYS:CG	1:B:148:PRO:CB[2_757]	1.81	0.39
1:A:79:PRO:N	1:A:145:THR:N[2_757]	1.81	0.39
1:A:89:LEU:CD1	1:A:180:VAL:N[2_757]	1.81	0.39
1:A:101:ARG:N	1:B:173:TYR:O[2_757]	1.81	0.39
1:A:101:ARG:CD	1:B:171:LYS:CB[2_757]	1.81	0.39
1:A:104:LEU:C	1:B:174:ASP:C[2_757]	1.81	0.39
1:A:117:ARG:CD	1:F:44:ASP:O[2_657]	1.81	0.39
1:A:144:ASP:OD2	1:B:219:LYS:NZ[2_757]	1.81	0.39
1:A:158:LYS:C	1:A:305:PHE:O[2_757]	1.81	0.39
1:A:183:ALA:C	5:A:1109:HOH:O[2_757]	1.81	0.39
1:A:216:THR:OG1	1:E:4:LYS:C[2_757]	1.81	0.39
1:A:217:ILE:CG2	1:E:4:LYS:CD[2_757]	1.81	0.39
1:A:269:MET:N	1:C:349:ASP:O[2_858]	1.81	0.39
1:A:366:LEU:CB	1:F:56:LYS:C[2_657]	1.81	0.39
1:A:376:THR:C	1:F:65:ILE:CA[2_657]	1.81	0.39
1:A:384:GLY:CA	1:F:40:LEU:O[2_657]	1.81	0.39
1:A:385:ASN:CA	1:F:40:LEU:CG[2_657]	1.81	0.39
1:A:388:ARG:NH1	1:F:305:PHE:O[2_657]	1.81	0.39
1:A:388:ARG:CA	1:F:70:VAL:CG1[2_657]	1.81	0.39
1:A:393:THR:CB	1:F:304:THR:CB[2_657]	1.81	0.39
1:A:396:GLU:N	1:F:104:LEU:C[2_657]	1.81	0.39
1:A:397:PHE:CE1	1:F:62:ALA:CA[2_657]	1.81	0.39
1:B:11:VAL:CG1	1:E:371:GLN:CB[2_757]	1.81	0.39
1:B:12:VAL:CB	1:E:367:ASN:C[2_757]	1.81	0.39
1:B:41:LYS:NZ	1:E:117:ARG:C[2_757]	1.81	0.39
1:B:59:GLN:C	1:E:335:ILE:CG1[2_757]	1.81	0.39
1:B:66:LYS:CG	1:E:397:PHE:C[2_757]	1.81	0.39
1:B:67:LYS:O	1:E:375:MET:N[2_757]	1.81	0.39
1:B:68:TYR:C	1:E:373:GLY:CA[2_757]	1.81	0.39
1:B:71:GLY:O	1:E:404:ARG:NE[2_757]	1.81	0.39
1:B:77:ILE:CG2	1:E:352:PRO:C[2_757]	1.81	0.39
1:B:83:ARG:CB	1:E:351:THR:N[2_757]	1.81	0.39
1:B:90:HIS:O	1:E:70:VAL:CB[2_757]	1.81	0.39
1:B:115:ILE:O	1:C:102:ASN:CB[2_858]	1.81	0.39
1:B:121:LEU:C	1:C:65:ILE:N[2_858]	1.81	0.39
1:B:123:PRO:CB	1:C:61:ALA:O[2_858]	1.81	0.39
1:B:123:PRO:O	1:C:60:ASP:CA[2_858]	1.81	0.39
1:B:216:THR:CA	1:B:220:LYS:CE[2_757]	1.81	0.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:285:GLN:CD	1:C:304:THR:CA[2_858]	1.81	0.39
1:B:298:VAL:CA	1:E:403:LYS:CD[2_757]	1.81	0.39
1:B:328:SER:N	1:C:198:SER:CA[2_858]	1.81	0.39
1:B:333:ALA:CA	1:C:189:GLU:CG[2_858]	1.81	0.39
1:B:359:ASN:N	1:D:149:GLY:C[2_858]	1.81	0.39
1:B:366:LEU:CB	1:D:173:TYR:CZ[2_858]	1.81	0.39
1:B:374:ILE:O	1:C:186:ASN:ND2[2_858]	1.81	0.39
1:B:386:ASN:CB	1:C:295:SER:CB[2_858]	1.81	0.39
1:B:387:GLU:N	1:C:110:ARG:CG[2_858]	1.81	0.39
1:B:395:GLU:CB	1:C:229:PHE:CB[2_858]	1.81	0.39
1:B:398:LEU:O	1:C:224:ARG:CA[2_858]	1.81	0.39
1:B:405:LEU:CD2	1:D:146:LEU:C[2_858]	1.81	0.39
1:B:405:LEU:CA	1:D:146:LEU:C[2_858]	1.81	0.39
1:B:406:GLN:CA	1:D:145:THR:CB[2_858]	1.81	0.39
1:B:410:LYS:C	1:C:168:GLN:C[2_858]	1.81	0.39
1:B:411:SER:N	1:C:168:GLN:CA[2_858]	1.81	0.39
1:C:300:PRO:O	3:B:1201:NDP:C8A[2_858]	1.81	0.39
1:C:205:LYS:N	5:B:1208:HOH:O[2_858]	1.81	0.39
1:C:317:HIS:CA	1:C:320:LYS:C[2_958]	1.81	0.39
1:C:317:HIS:CD2	1:C:325:GLU:CA[2_958]	1.81	0.39
1:C:320:LYS:NZ	1:C:327:THR:OG1[2_958]	1.81	0.39
1:C:326:GLU:N	5:C:1316:HOH:O[2_958]	1.81	0.39
1:D:8:LYS:CE	1:F:259:GLN:N[2_757]	1.81	0.39
1:D:9:GLN:NE2	1:F:262:LYS:N[2_757]	1.81	0.39
1:D:24:TRP:C	1:E:205:LYS:CB[2_757]	1.81	0.39
1:D:34:PRO:CD	1:E:296:ILE:CG2[2_757]	1.81	0.39
1:D:34:PRO:CA	1:E:296:ILE:CG2[2_757]	1.81	0.39
1:D:40:LEU:CB	1:E:112:PRO:CG[2_757]	1.81	0.39
1:D:72:ILE:CD1	1:E:129:ILE:CG1[2_757]	1.81	0.39
1:D:85:LYS:CD	1:D:87:PHE:N[2_858]	1.81	0.39
1:D:186:ASN:N	1:F:390:ALA:N[2_757]	1.81	0.39
1:D:191:ILE:CG1	1:F:391:TYR:CB[2_757]	1.81	0.39
1:D:206:LYS:CE	1:F:76:THR:O[2_757]	1.81	0.39
1:D:207:LEU:CG	1:F:315:THR:OG1[2_757]	1.81	0.39
1:D:209:LEU:N	1:F:318:TYR:CD1[2_757]	1.81	0.39
1:D:212:SER:CB	1:F:325:GLU:O[2_757]	1.81	0.39
1:D:225:PHE:C	1:F:393:THR:CA[2_757]	1.81	0.39
1:D:225:PHE:CE1	1:F:388:ARG:CZ[2_757]	1.81	0.39
1:D:229:PHE:CB	1:F:394:THR:CB[2_757]	1.81	0.39
1:D:231:GLU:CB	1:F:399:ASP:N[2_757]	1.81	0.39
1:D:232:VAL:CG1	1:F:331:SER:CB[2_757]	1.81	0.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:238:LYS:C	1:F:24:TRP:O[2_757]	1.81	0.39
1:D:267:PHE:O	1:F:319:ARG:CG[2_757]	1.81	0.39
1:D:296:ILE:CB	1:E:259:GLN:CG[2_757]	1.81	0.39
1:D:296:ILE:CD1	1:E:259:GLN:N[2_757]	1.81	0.39
1:D:303:LYS:C	1:F:286:GLY:N[2_757]	1.81	0.39
1:D:329:THR:CG2	1:E:244:LEU:N[2_757]	1.81	0.39
1:D:330:ASN:N	1:E:241:PHE:O[2_757]	1.81	0.39
1:D:332:ILE:CG2	1:E:248:TYR:CD1[2_757]	1.81	0.39
1:D:333:ALA:CB	1:E:247:HIS:O[2_757]	1.81	0.39
1:D:334:SER:N	1:E:208:ASN:N[2_757]	1.81	0.39
1:D:336:PHE:CA	1:E:210:PHE:CA[2_757]	1.81	0.39
1:D:338:TRP:N	1:E:267:PHE:CD1[2_757]	1.81	0.39
1:D:343:LEU:CD2	1:E:253:ILE:CG1[2_757]	1.81	0.39
1:D:344:LYS:O	1:F:282:ILE:CD1[2_757]	1.81	0.39
1:D:358:ALA:O	1:E:271:LEU:CA[2_757]	1.81	0.39
1:D:409:ILE:CG2	1:E:135:ALA:C[2_757]	1.81	0.39
1:E:47:VAL:C	1:E:178:SER:CA[2_657]	1.81	0.39
1:E:53:THR:CG2	1:E:150:PRO:C[2_657]	1.81	0.39
1:E:61:ALA:CB	1:F:161:ASP:O[2_657]	1.81	0.39
1:E:84:VAL:CG1	1:F:224:ARG:CA[2_657]	1.81	0.39
1:E:87:PHE:CE2	1:F:192:GLU:OE1[2_657]	1.81	0.39
1:E:90:HIS:NE2	1:E:182:MET:N[2_657]	1.81	0.39
1:E:91:LYS:C	1:E:146:LEU:CG[2_657]	1.81	0.39
1:E:93:TRP:CG	1:E:146:LEU:C[2_657]	1.81	0.39
1:A:4:LYS:CD	1:E:152:SER:CB[2_657]	1.82	0.38
1:A:4:LYS:N	1:E:154:GLU:CG[2_657]	1.82	0.38
1:A:17:ASP:CG	1:A:152:SER:O[2_757]	1.82	0.38
1:A:18:GLU:OE1	1:B:157:TYR:CZ[2_757]	1.82	0.38
1:A:43:TYR:CA	1:A:170:LEU:CA[2_757]	1.82	0.38
1:A:43:TYR:C	1:A:170:LEU:C[2_757]	1.82	0.38
1:A:62:ALA:CB	1:B:175:TYR:CZ[2_757]	1.82	0.38
1:A:68:TYR:C	1:A:165:ALA:CA[2_757]	1.82	0.38
1:A:72:ILE:N	1:A:158:LYS:CG[2_757]	1.82	0.38
1:A:79:PRO:CA	1:A:146:LEU:N[2_757]	1.82	0.38
1:A:92:MET:CB	1:B:221:TYR:C[2_757]	1.82	0.38
1:A:97:ASN:ND2	1:B:170:LEU:O[2_757]	1.82	0.38
1:A:97:ASN:C	1:B:172:VAL:CA[2_757]	1.82	0.38
1:A:99:THR:CA	1:B:172:VAL:O[2_757]	1.82	0.38
1:A:100:ILE:CG1	1:B:153:LEU:C[2_757]	1.82	0.38
1:A:120:ARG:NH1	1:C:40:LEU:CG[2_858]	1.82	0.38
1:A:126:GLU:OE1	1:C:338:TRP:CB[2_858]	1.82	0.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:207:LEU:CG	1:C:353:ALA:CB[2_858]	1.82	0.38
1:A:208:ASN:C	1:C:352:PRO:CB[2_858]	1.82	0.38
1:A:267:PHE:CG	1:C:346:GLY:N[2_858]	1.82	0.38
1:A:320:LYS:C	1:B:161:ASP:OD1[2_757]	1.82	0.38
1:A:325:GLU:C	1:F:303:LYS:CB[2_657]	1.82	0.38
1:A:367:ASN:N	1:F:55:ASP:C[2_657]	1.82	0.38
1:A:381:LEU:CD2	1:F:10:PRO:CA[2_657]	1.82	0.38
1:A:385:ASN:CG	1:F:13:GLU:OE1[2_657]	1.82	0.38
1:A:390:ALA:C	1:F:71:GLY:C[2_657]	1.82	0.38
1:A:395:GLU:O	1:F:104:LEU:N[2_657]	1.82	0.38
1:A:402:GLU:N	1:F:102:ASN:CG[2_657]	1.82	0.38
1:B:12:VAL:O	1:E:367:ASN:OD1[2_757]	1.82	0.38
1:B:26:LYS:CD	1:C:230:GLN:N[2_858]	1.82	0.38
1:B:26:LYS:CD	1:C:231:GLU:N[2_858]	1.82	0.38
1:B:51:ASP:N	1:E:340:ARG:O[2_757]	1.82	0.38
1:B:54:SER:CA	1:E:307:SER:CB[2_757]	1.82	0.38
1:B:70:VAL:C	1:E:372:ASP:OD1[2_757]	1.82	0.38
1:B:73:LYS:C	1:E:408:GLU:OE1[2_757]	1.82	0.38
1:B:78:THR:OG1	1:E:357:PHE:CB[2_757]	1.82	0.38
1:B:85:LYS:N	1:E:348:LEU:C[2_757]	1.82	0.38
1:B:85:LYS:CG	1:E:350:ASN:ND2[2_757]	1.82	0.38
1:B:87:PHE:N	1:E:347:GLU:O[2_757]	1.82	0.38
1:B:87:PHE:N	1:E:347:GLU:CA[2_757]	1.82	0.38
1:B:93:TRP:CD2	1:E:342:LEU:CA[2_757]	1.82	0.38
1:B:100:ILE:C	1:E:31:LEU:CD2[2_757]	1.82	0.38
1:B:115:ILE:CD1	1:C:136:HIS:NE2[2_858]	1.82	0.38
1:B:118:ILE:CG2	1:C:101:ARG:CA[2_858]	1.82	0.38
1:B:309:ALA:CB	1:E:411:SER:CB[2_757]	1.82	0.38
1:B:320:LYS:CB	1:C:202:ALA:N[2_858]	1.82	0.38
1:B:326:GLU:OE1	1:C:269:MET:CA[2_858]	1.82	0.38
1:B:328:SER:CB	1:C:198:SER:OG[2_858]	1.82	0.38
1:B:335:ILE:CG1	1:C:188:ASP:O[2_858]	1.82	0.38
1:B:359:ASN:C	1:D:150:PRO:C[2_858]	1.82	0.38
1:B:359:ASN:C	1:D:151:GLY:N[2_858]	1.82	0.38
1:B:369:VAL:CB	1:C:137:GLY:CA[2_858]	1.82	0.38
1:B:376:THR:CB	1:C:194:PHE:CD2[2_858]	1.82	0.38
1:B:379:LEU:CA	1:C:135:ALA:CB[2_858]	1.82	0.38
1:B:383:CYS:CA	1:C:101:ARG:CG[2_858]	1.82	0.38
1:B:392:VAL:O	1:C:194:PHE:CE2[2_858]	1.82	0.38
1:B:403:LYS:CA	1:C:220:LYS:C[2_858]	1.82	0.38
1:C:388:ARG:CG	1:C:392:VAL:N[2_958]	1.82	0.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:2:PHE:CA	1:E:306:GLU:CD[2_757]	1.82	0.38
1:D:2:PHE:CD1	1:E:100:ILE:CG2[2_757]	1.82	0.38
1:D:7:VAL:CG2	1:E:280:SER:CA[2_757]	1.82	0.38
1:D:8:LYS:NZ	1:F:256:MET:CA[2_757]	1.82	0.38
1:D:10:PRO:O	1:E:283:VAL:O[2_757]	1.82	0.38
1:D:22:ILE:CA	1:E:206:LYS:CE[2_757]	1.82	0.38
1:D:25:ASP:O	1:E:205:LYS:CG[2_757]	1.82	0.38
1:D:35:TYR:CE2	1:E:107:THR:CA[2_757]	1.82	0.38
1:D:42:TYR:CA	1:E:114:VAL:CG2[2_757]	1.82	0.38
1:D:67:LYS:CB	1:E:120:ARG:O[2_757]	1.82	0.38
1:D:134:HIS:CD2	1:F:377:LYS:CA[2_757]	1.82	0.38
1:D:196:HIS:ND1	1:F:330:ASN:ND2[2_757]	1.82	0.38
1:D:198:SER:N	3:F:1601:NDP:C6A[2_757]	1.82	0.38
1:D:209:LEU:CB	1:F:19:MET:CA[2_757]	1.82	0.38
1:D:211:LEU:CD2	1:F:327:THR:C[2_757]	1.82	0.38
1:D:223:GLY:CA	1:F:396:GLU:OE1[2_757]	1.82	0.38
1:D:227:ASP:N	1:F:396:GLU:CB[2_757]	1.82	0.38
1:D:231:GLU:CB	1:F:398:LEU:O[2_757]	1.82	0.38
1:D:233:TYR:OH	1:F:22:ILE:O[2_757]	1.82	0.38
1:D:236:GLN:CG	1:F:335:ILE:CG1[2_757]	1.82	0.38
1:D:238:LYS:NZ	1:F:29:LYS:CD[2_757]	1.82	0.38
1:D:240:LYS:CA	1:F:74:CYS:CB[2_757]	1.82	0.38
1:D:241:PHE:CE1	1:F:20:THR:CB[2_757]	1.82	0.38
1:D:242:GLU:OE1	1:F:28:LYS:CE[2_757]	1.82	0.38
1:D:244:LEU:CD1	1:F:75:ALA:CA[2_757]	1.82	0.38
1:D:244:LEU:CD2	1:F:76:THR:CB[2_757]	1.82	0.38
1:D:244:LEU:O	1:F:46:SER:CA[2_757]	1.82	0.38
1:D:266:GLY:N	1:F:319:ARG:NH2[2_757]	1.82	0.38
1:D:314:VAL:CG2	1:E:245:GLY:CA[2_757]	1.82	0.38
1:D:330:ASN:CA	1:E:241:PHE:CG[2_757]	1.82	0.38
1:D:336:PHE:CA	1:E:209:LEU:C[2_757]	1.82	0.38
1:D:342:LEU:N	1:E:269:MET:SD[2_757]	1.82	0.38
1:D:346:GLY:N	1:E:279:GLN:CD[2_757]	1.82	0.38
1:D:351:THR:CA	1:E:278:VAL:CG1[2_757]	1.82	0.38
1:D:352:PRO:CB	1:E:274:TYR:CE1[2_757]	1.82	0.38
1:D:356:LYS:CE	1:E:274:TYR:CB[2_757]	1.82	0.38
1:D:358:ALA:N	1:E:271:LEU:CA[2_757]	1.82	0.38
1:D:362:GLU:OE1	1:E:212:SER:CA[2_757]	1.82	0.38
1:D:392:VAL:CB	1:E:240:LYS:CE[2_757]	1.82	0.38
1:F:380:ALA:CA	5:D:1444:HOH:O[2_757]	1.82	0.38
1:E:61:ALA:CA	1:F:161:ASP:CG[2_657]	1.82	0.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:92:MET:C	1:E:146:LEU:CG[2_657]	1.82	0.38
1:A:10:PRO:CB	1:A:166:GLN:CG[2_757]	1.83	0.37
1:A:12:VAL:O	1:A:167:PRO:CB[2_757]	1.83	0.37
1:A:20:THR:C	1:B:158:LYS:CG[2_757]	1.83	0.37
1:A:21:ARG:NH2	1:A:171:LYS:CG[2_757]	1.83	0.37
1:A:55:ASP:OD1	1:A:182:MET:O[2_757]	1.83	0.37
1:A:56:LYS:CG	1:B:182:MET:SD[2_757]	1.83	0.37
1:A:68:TYR:CB	1:A:166:GLN:N[2_757]	1.83	0.37
1:A:78:THR:CB	1:B:170:LEU:CD1[2_757]	1.83	0.37
1:A:80:ASP:O	1:A:146:LEU:CD1[2_757]	1.83	0.37
1:A:83:ARG:CB	1:A:147:ILE:N[2_757]	1.83	0.37
1:A:92:MET:N	1:B:221:TYR:C[2_757]	1.83	0.37
1:A:93:TRP:CA	1:A:182:MET:CB[2_757]	1.83	0.37
1:A:94:LYS:CD	1:A:142:ALA:N[2_757]	1.83	0.37
1:A:95:SER:N	1:A:143:THR:CB[2_757]	1.83	0.37
1:A:131:ILE:CG1	1:C:8:LYS:CG[2_858]	1.83	0.37
1:A:264:LYS:N	1:C:341:GLY:C[2_858]	1.83	0.37
1:A:269:MET:SD	1:C:349:ASP:N[2_858]	1.83	0.37
1:A:287:PHE:CD1	1:C:10:PRO:N[2_858]	1.83	0.37
1:A:326:GLU:CB	1:F:304:THR:N[2_657]	1.83	0.37
1:A:326:GLU:CB	1:F:303:LYS:N[2_657]	1.83	0.37
1:A:374:ILE:CD1	1:F:96:PRO:O[2_657]	1.83	0.37
1:A:379:LEU:C	1:F:43:TYR:CE1[2_657]	1.83	0.37
1:A:388:ARG:NH2	1:F:305:PHE:CD2[2_657]	1.83	0.37
1:A:391:TYR:CE2	5:F:1625:HOH:O[2_657]	1.83	0.37
1:A:397:PHE:CZ	1:F:62:ALA:CB[2_657]	1.83	0.37
1:A:402:GLU:CA	1:F:102:ASN:OD1[2_657]	1.83	0.37
1:B:11:VAL:O	1:E:370:GLN:C[2_757]	1.83	0.37
1:B:17:ASP:OD2	1:E:359:ASN:ND2[2_757]	1.83	0.37
1:B:20:THR:OG1	5:C:1331:HOH:O[2_858]	1.83	0.37
1:B:22:ILE:CD1	1:C:233:TYR:C[2_858]	1.83	0.37
1:B:31:LEU:CD2	1:C:224:ARG:CD[2_858]	1.83	0.37
1:B:41:LYS:NZ	1:E:118:ILE:CB[2_757]	1.83	0.37
1:B:50:ARG:CD	1:E:358:ALA:CB[2_757]	1.83	0.37
1:B:50:ARG:C	1:E:340:ARG:N[2_757]	1.83	0.37
1:B:57:ILE:CB	1:E:336:PHE:CE2[2_757]	1.83	0.37
1:B:79:PRO:CD	1:E:354:LEU:CG[2_757]	1.83	0.37
1:B:80:ASP:O	1:E:351:THR:CB[2_757]	1.83	0.37
1:B:83:ARG:CD	1:E:352:PRO:CD[2_757]	1.83	0.37
1:B:89:LEU:N	1:E:348:LEU:N[2_757]	1.83	0.37
1:B:90:HIS:ND1	1:E:305:PHE:O[2_757]	1.83	0.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:92:MET:SD	1:E:7:VAL:CG1[2_757]	1.83	0.37
1:B:110:ARG:CG	1:E:410:LYS:NZ[2_757]	1.83	0.37
1:B:117:ARG:NH1	1:C:140:TYR:C[2_858]	1.83	0.37
1:B:125:TRP:O	1:C:63:GLU:OE2[2_858]	1.83	0.37
1:B:288:GLY:CA	1:C:104:LEU:CA[2_858]	1.83	0.37
1:B:289:SER:CB	1:C:299:THR:CB[2_858]	1.83	0.37
1:B:321:TYR:CA	1:C:241:PHE:CE2[2_858]	1.83	0.37
1:B:329:THR:C	1:C:195:ALA:N[2_858]	1.83	0.37
1:B:353:ALA:CB	1:C:163:THR:C[2_858]	1.83	0.37
1:B:360:ILE:CG1	1:C:157:TYR:CE2[2_858]	1.83	0.37
1:B:367:ASN:C	1:C:185:TYR:CG[2_858]	1.83	0.37
1:B:368:THR:CB	1:C:186:ASN:CA[2_858]	1.83	0.37
1:B:370:GLN:O	1:C:141:LYS:CB[2_858]	1.83	0.37
1:B:374:ILE:CA	1:C:138:ASP:CG[2_858]	1.83	0.37
1:B:378:ASP:OD1	1:C:106:GLY:C[2_858]	1.83	0.37
1:B:381:LEU:CB	1:C:297:LEU:N[2_858]	1.83	0.37
1:B:385:ASN:OD1	4:C:1302:AKG:O2[2_858]	1.83	0.37
1:B:388:ARG:CG	1:C:131:ILE:CG1[2_858]	1.83	0.37
1:B:391:TYR:CD1	1:C:133:ARG:N[2_858]	1.83	0.37
1:B:405:LEU:C	1:D:146:LEU:C[2_858]	1.83	0.37
1:D:10:PRO:O	1:E:287:PHE:N[2_757]	1.83	0.37
1:D:28:LYS:CA	1:E:130:ILE:CD1[2_757]	1.83	0.37
1:D:65:ILE:CD1	1:E:125:TRP:N[2_757]	1.83	0.37
1:D:72:ILE:CG1	1:E:129:ILE:CB[2_757]	1.83	0.37
1:D:104:LEU:CB	1:E:124:ARG:NE[2_757]	1.83	0.37
1:D:115:ILE:CG2	1:E:230:GLN:C[2_757]	1.83	0.37
1:D:193:GLY:O	1:F:378:ASP:OD2[2_757]	1.83	0.37
1:D:195:ALA:CA	1:F:376:THR:CG2[2_757]	1.83	0.37
1:D:197:SER:CB	3:F:1601:NDP:N3A[2_757]	1.83	0.37
1:D:200:LYS:C	1:F:311:HIS:CG[2_757]	1.83	0.37
1:D:203:ILE:N	1:F:313:THR:CA[2_757]	1.83	0.37
1:D:205:LYS:NZ	3:F:1601:NDP:PN[2_757]	1.83	0.37
1:D:205:LYS:CD	3:F:1601:NDP:C5D[2_757]	1.83	0.37
1:D:210:PHE:C	1:F:327:THR:OG1[2_757]	1.83	0.37
1:D:211:LEU:C	1:F:325:GLU:O[2_757]	1.83	0.37
1:D:211:LEU:CG	1:F:327:THR:CA[2_757]	1.83	0.37
1:D:225:PHE:CD1	5:F:1639:HOH:O[2_757]	1.83	0.37
1:D:232:VAL:N	1:F:398:LEU:CG[2_757]	1.83	0.37
1:D:239:SER:CB	1:F:338:TRP:CZ2[2_757]	1.83	0.37
1:D:241:PHE:C	1:F:15:ASP:OD1[2_757]	1.83	0.37
1:D:251:ARG:NH1	1:F:321:TYR:O[2_757]	1.83	0.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:256:MET:C	1:F:323:LYS:O[2_757]	1.83	0.37
1:D:297:LEU:C	1:E:262:LYS:CE[2_757]	1.83	0.37
1:D:300:PRO:CA	1:F:289:SER:CB[2_757]	1.83	0.37
1:D:301:ASP:O	1:F:284:ALA:O[2_757]	1.83	0.37
1:D:332:ILE:O	1:E:209:LEU:CB[2_757]	1.83	0.37
1:D:335:ILE:CB	1:E:209:LEU:CB[2_757]	1.83	0.37
1:D:338:TRP:O	1:E:269:MET:CB[2_757]	1.83	0.37
1:D:339:SER:N	1:E:269:MET:CG[2_757]	1.83	0.37
1:D:363:SER:CA	1:E:229:PHE:CE1[2_757]	1.83	0.37
1:D:363:SER:O	1:E:229:PHE:CG[2_757]	1.83	0.37
1:D:365:THR:N	1:E:229:PHE:CE2[2_757]	1.83	0.37
1:D:376:THR:N	1:E:237:TYR:C[2_757]	1.83	0.37
1:D:408:GLU:CG	1:E:191:ILE:N[2_757]	1.83	0.37
1:D:411:SER:OG	1:E:136:HIS:ND1[2_757]	1.83	0.37
1:D:411:SER:C	1:E:136:HIS:ND1[2_757]	1.83	0.37
1:E:48:GLU:O	1:E:177:GLY:N[2_657]	1.83	0.37
1:E:49:SER:N	1:E:177:GLY:C[2_657]	1.83	0.37
1:E:49:SER:O	1:E:150:PRO:CA[2_657]	1.83	0.37
1:E:51:ASP:OD2	1:F:186:ASN:O[2_657]	1.83	0.37
1:E:59:GLN:OE1	1:F:167:PRO:CD[2_657]	1.83	0.37
1:E:80:ASP:C	1:F:227:ASP:OD2[2_657]	1.83	0.37
1:E:86:GLU:N	1:F:228:ILE:CG1[2_657]	1.83	0.37
1:A:15:ASP:CA	1:A:154:GLU:CB[2_757]	1.84	0.36
1:A:51:ASP:N	1:B:184:MET:CA[2_757]	1.84	0.36
1:A:57:ILE:C	1:B:182:MET:CA[2_757]	1.84	0.36
1:A:63:GLU:CB	1:B:179:GLY:O[2_757]	1.84	0.36
1:A:83:ARG:NE	1:A:146:LEU:O[2_757]	1.84	0.36
1:A:83:ARG:NH1	1:A:147:ILE:C[2_757]	1.84	0.36
1:A:87:PHE:CG	1:A:175:TYR:CE2[2_757]	1.84	0.36
1:A:94:LYS:CB	1:A:142:ALA:C[2_757]	1.84	0.36
1:A:99:THR:C	1:B:172:VAL:O[2_757]	1.84	0.36
1:A:124:ARG:O	1:C:72:ILE:CG1[2_858]	1.84	0.36
1:A:124:ARG:CA	1:C:72:ILE:N[2_858]	1.84	0.36
1:A:125:TRP:C	1:C:11:VAL:CB[2_858]	1.84	0.36
1:A:129:ILE:O	1:C:7:VAL:C[2_858]	1.84	0.36
1:A:210:PHE:CA	1:C:350:ASN:OD1[2_858]	1.84	0.36
1:A:268:ILE:CA	1:C:350:ASN:O[2_858]	1.84	0.36
1:A:268:ILE:CB	1:C:352:PRO:CD[2_858]	1.84	0.36
1:A:288:GLY:CA	1:C:39:ASP:OD1[2_858]	1.84	0.36
1:A:313:THR:CA	1:B:167:PRO:CB[2_757]	1.84	0.36
1:A:313:THR:CG2	1:B:157:TYR:C[2_757]	1.84	0.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:314:VAL:N	1:B:166:GLN:C[2_757]	1.84	0.36
1:A:326:GLU:C	1:F:303:LYS:CG[2_657]	1.84	0.36
1:A:326:GLU:CD	1:F:305:PHE:CD2[2_657]	1.84	0.36
1:A:367:ASN:CA	1:F:55:ASP:OD2[2_657]	1.84	0.36
1:A:375:MET:CA	1:F:61:ALA:O[2_657]	1.84	0.36
1:A:379:LEU:CD2	1:F:43:TYR:CZ[2_657]	1.84	0.36
1:A:388:ARG:NH2	1:F:305:PHE:N[2_657]	1.84	0.36
1:A:396:GLU:N	1:F:104:LEU:CA[2_657]	1.84	0.36
1:A:400:ALA:O	1:F:98:GLY:C[2_657]	1.84	0.36
1:A:404:ARG:CD	1:F:99:THR:OG1[2_657]	1.84	0.36
1:A:406:GLN:NE2	1:F:141:LYS:O[2_657]	1.84	0.36
1:B:12:VAL:CG2	1:E:370:GLN:N[2_757]	1.84	0.36
1:B:50:ARG:C	1:E:340:ARG:C[2_757]	1.84	0.36
1:B:51:ASP:CG	1:E:344:LYS:CD[2_757]	1.84	0.36
1:B:54:SER:OG	1:E:307:SER:N[2_757]	1.84	0.36
1:B:55:ASP:OD1	1:E:339:SER:N[2_757]	1.84	0.36
1:B:56:LYS:CG	1:E:337:ALA:CA[2_757]	1.84	0.36
1:B:60:ASP:N	1:E:332:ILE:CA[2_757]	1.84	0.36
1:B:69:GLY:N	1:E:374:ILE:CG1[2_757]	1.84	0.36
1:B:76:THR:CB	1:E:360:ILE:N[2_757]	1.84	0.36
1:B:78:THR:N	1:E:353:ALA:C[2_757]	1.84	0.36
1:B:81:GLU:O	1:E:349:ASP:O[2_757]	1.84	0.36
1:B:83:ARG:C	1:E:351:THR:N[2_757]	1.84	0.36
1:B:84:VAL:CG1	1:E:349:ASP:CG[2_757]	1.84	0.36
1:B:89:LEU:C	1:E:344:LYS:O[2_757]	1.84	0.36
1:B:93:TRP:NE1	1:E:342:LEU:N[2_757]	1.84	0.36
1:B:96:PRO:N	1:E:357:PHE:CE1[2_757]	1.84	0.36
1:B:103:ILE:O	1:E:399:ASP:CA[2_757]	1.84	0.36
1:B:115:ILE:C	1:C:102:ASN:CG[2_858]	1.84	0.36
1:B:118:ILE:O	1:C:103:ILE:N[2_858]	1.84	0.36
1:B:121:LEU:C	1:C:65:ILE:C[2_858]	1.84	0.36
1:B:124:ARG:N	1:C:60:ASP:C[2_858]	1.84	0.36
1:B:139:GLN:C	1:E:4:LYS:NZ[2_757]	1.84	0.36
1:B:297:LEU:CD2	1:E:403:LYS:O[2_757]	1.84	0.36
1:B:310:ALA:C	1:E:411:SER:N[2_757]	1.84	0.36
1:B:329:THR:OG1	1:C:196:HIS:O[2_858]	1.84	0.36
1:B:356:LYS:O	1:D:150:PRO:O[2_858]	1.84	0.36
1:B:362:GLU:CG	1:D:176:LYS:O[2_858]	1.84	0.36
1:B:363:SER:C	1:D:175:TYR:CE2[2_858]	1.84	0.36
1:B:370:GLN:CB	1:C:185:TYR:OH[2_858]	1.84	0.36
1:B:389:SER:OG	1:C:278:VAL:C[2_858]	1.84	0.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:397:PHE:CE2	1:C:191:ILE:CA[2_858]	1.84	0.36
1:B:397:PHE:CE1	1:C:134:HIS:CE1[2_858]	1.84	0.36
1:B:401:VAL:O	1:D:180:VAL:CA[2_858]	1.84	0.36
1:B:407:LYS:N	1:D:145:THR:N[2_858]	1.84	0.36
1:B:408:GLU:OE2	1:D:181:ALA:CB[2_858]	1.84	0.36
1:B:411:SER:OG	1:C:168:GLN:O[2_858]	1.84	0.36
1:B:411:SER:N	1:C:169:THR:N[2_858]	1.84	0.36
1:D:173:TYR:CG	5:B:1219:HOH:O[2_858]	1.84	0.36
1:C:85:LYS:CE	1:C:88:ASN:CA[2_958]	1.84	0.36
1:D:2:PHE:C	1:E:306:GLU:OE2[2_757]	1.84	0.36
1:D:4:LYS:CE	1:E:295:SER:C[2_757]	1.84	0.36
1:D:24:TRP:CE3	1:E:207:LEU:CG[2_757]	1.84	0.36
1:D:25:ASP:C	1:E:205:LYS:CD[2_757]	1.84	0.36
1:D:35:TYR:O	1:E:110:ARG:NE[2_757]	1.84	0.36
1:D:39:ASP:CB	1:E:289:SER:O[2_757]	1.84	0.36
1:D:109:PHE:CD1	3:F:1601:NDP:P2B[2_757]	1.84	0.36
1:D:115:ILE:CA	1:E:230:GLN:NE2[2_757]	1.84	0.36
1:D:118:ILE:N	1:E:234:GLU:OE1[2_757]	1.84	0.36
1:D:130:ILE:C	1:F:316:ARG:CB[2_757]	1.84	0.36
1:D:187:THR:N	1:F:390:ALA:O[2_757]	1.84	0.36
1:D:195:ALA:CA	1:F:329:THR:O[2_757]	1.84	0.36
1:D:198:SER:O	1:F:314:VAL:CB[2_757]	1.84	0.36
1:D:200:LYS:CD	1:F:291:GLY:CA[2_757]	1.84	0.36
1:D:212:SER:CB	1:F:326:GLU:N[2_757]	1.84	0.36
1:D:222:ASP:O	1:F:396:GLU:OE1[2_757]	1.84	0.36
1:D:226:LYS:O	1:F:395:GLU:CB[2_757]	1.84	0.36
1:D:234:GLU:CD	1:F:30:LYS:CG[2_757]	1.84	0.36
1:D:244:LEU:N	1:F:16:GLY:CA[2_757]	1.84	0.36
1:D:299:THR:N	1:F:285:GLN:NE2[2_757]	1.84	0.36
1:D:302:GLY:C	1:F:286:GLY:N[2_757]	1.84	0.36
1:D:305:PHE:CB	1:E:261:ILE:C[2_757]	1.84	0.36
1:D:311:HIS:CG	1:E:245:GLY:O[2_757]	1.84	0.36
1:D:317:HIS:CE1	1:E:243:GLN:C[2_757]	1.84	0.36
1:D:332:ILE:CG2	1:E:248:TYR:CA[2_757]	1.84	0.36
1:D:334:SER:OG	1:E:207:LEU:CA[2_757]	1.84	0.36
1:D:340:ARG:N	1:E:269:MET:CG[2_757]	1.84	0.36
1:D:347:GLU:O	1:F:279:GLN:CD[2_757]	1.84	0.36
1:D:350:ASN:CA	1:F:257:VAL:CG1[2_757]	1.84	0.36
1:D:355:CYS:CA	1:E:275:ASP:C[2_757]	1.84	0.36
1:D:357:PHE:CE1	1:E:132:GLY:C[2_757]	1.84	0.36
1:D:357:PHE:CE2	1:E:133:ARG:N[2_757]	1.84	0.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:375:MET:N	1:E:236:GLN:CB[2_757]	1.84	0.36
1:D:375:MET:C	1:E:236:GLN:C[2_757]	1.84	0.36
1:D:399:ASP:N	1:E:200:LYS:CB[2_757]	1.84	0.36
1:D:405:LEU:CB	1:E:107:THR:OG1[2_757]	1.84	0.36
1:E:55:ASP:OD1	1:E:148:PRO:CD[2_657]	1.84	0.36
1:E:81:GLU:CA	1:F:227:ASP:CG[2_657]	1.84	0.36
1:E:86:GLU:CA	1:F:228:ILE:CG1[2_657]	1.84	0.36
1:E:87:PHE:CA	1:F:228:ILE:CD1[2_657]	1.84	0.36
1:E:88:ASN:N	1:F:191:ILE:CG1[2_657]	1.84	0.36
1:E:89:LEU:O	1:E:180:VAL:CB[2_657]	1.84	0.36
1:A:20:THR:N	1:B:158:LYS:CB[2_757]	1.85	0.35
1:A:46:SER:CB	1:A:153:LEU:O[2_757]	1.85	0.35
1:A:55:ASP:OD2	1:A:183:ALA:CA[2_757]	1.85	0.35
1:A:56:LYS:CB	1:B:182:MET:SD[2_757]	1.85	0.35
1:A:59:GLN:CA	1:B:181:ALA:CB[2_757]	1.85	0.35
1:A:70:VAL:O	1:A:159:PRO:CG[2_757]	1.85	0.35
1:A:73:LYS:N	1:A:156:VAL:CG1[2_757]	1.85	0.35
1:A:84:VAL:CB	1:B:224:ARG:CG[2_757]	1.85	0.35
1:A:88:ASN:C	1:B:187:THR:O[2_757]	1.85	0.35
1:A:88:ASN:ND2	1:B:190:SER:C[2_757]	1.85	0.35
1:A:93:TRP:CG	1:A:182:MET:CG[2_757]	1.85	0.35
1:A:115:ILE:CG2	1:F:57:ILE:CB[2_657]	1.85	0.35
1:A:120:ARG:CA	1:C:40:LEU:C[2_858]	1.85	0.35
1:A:332:ILE:N	1:F:63:GLU:CG[2_657]	1.85	0.35
1:A:370:GLN:N	1:F:58:THR:N[2_657]	1.85	0.35
1:A:373:GLY:O	1:F:14:LEU:CD1[2_657]	1.85	0.35
1:A:375:MET:SD	1:F:14:LEU:CD2[2_657]	1.85	0.35
1:A:397:PHE:C	1:F:103:ILE:CB[2_657]	1.85	0.35
1:A:398:LEU:CA	1:F:103:ILE:CB[2_657]	1.85	0.35
1:A:406:GLN:CD	1:F:141:LYS:N[2_657]	1.85	0.35
1:B:10:PRO:CB	1:E:117:ARG:NE[2_757]	1.85	0.35
1:B:17:ASP:O	1:C:236:GLN:NE2[2_858]	1.85	0.35
1:B:53:THR:N	1:E:340:ARG:CB[2_757]	1.85	0.35
1:B:54:SER:N	1:E:307:SER:OG[2_757]	1.85	0.35
1:B:56:LYS:CD	1:E:308:GLU:C[2_757]	1.85	0.35
1:B:71:GLY:N	1:E:404:ARG:NE[2_757]	1.85	0.35
1:B:123:PRO:CB	1:C:61:ALA:N[2_858]	1.85	0.35
1:B:277:ASP:C	1:E:2:PHE:CG[2_757]	1.85	0.35
1:B:290:LEU:N	1:C:301:ASP:OD1[2_858]	1.85	0.35
1:B:308:GLU:CD	1:E:408:GLU:CA[2_757]	1.85	0.35
1:B:308:GLU:OE2	1:E:406:GLN:C[2_757]	1.85	0.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:314:VAL:CG1	1:C:200:LYS:CD[2_858]	1.85	0.35
1:B:316:ARG:C	1:C:200:LYS:O[2_858]	1.85	0.35
1:B:321:TYR:C	1:C:241:PHE:CE2[2_858]	1.85	0.35
1:B:326:GLU:N	1:C:209:LEU:N[2_858]	1.85	0.35
1:B:329:THR:C	1:C:194:PHE:CA[2_858]	1.85	0.35
1:B:330:ASN:O	1:C:192:GLU:C[2_858]	1.85	0.35
1:B:332:ILE:O	1:C:189:GLU:CA[2_858]	1.85	0.35
1:B:362:GLU:CG	1:D:177:GLY:CA[2_858]	1.85	0.35
1:B:365:THR:CA	1:C:186:ASN:C[2_858]	1.85	0.35
1:B:378:ASP:C	1:C:106:GLY:C[2_858]	1.85	0.35
1:B:396:GLU:C	1:C:225:PHE:CD2[2_858]	1.85	0.35
1:B:403:LYS:N	1:C:220:LYS:C[2_858]	1.85	0.35
1:B:404:ARG:CG	1:D:181:ALA:C[2_858]	1.85	0.35
1:C:317:HIS:CA	1:C:320:LYS:CA[2_958]	1.85	0.35
1:D:4:LYS:CB	1:E:308:GLU:CD[2_757]	1.85	0.35
1:D:6:LYS:CD	1:E:312:GLY:N[2_757]	1.85	0.35
1:D:12:VAL:CG1	1:E:120:ARG:CZ[2_757]	1.85	0.35
1:D:12:VAL:CG1	1:E:120:ARG:NE[2_757]	1.85	0.35
1:D:13:GLU:OE2	1:E:128:PRO:CG[2_757]	1.85	0.35
1:D:23:ILE:N	1:E:206:LYS:CB[2_757]	1.85	0.35
1:D:31:LEU:C	1:E:109:PHE:CE1[2_757]	1.85	0.35
1:D:36:LEU:O	1:E:295:SER:CA[2_757]	1.85	0.35
1:D:65:ILE:N	1:E:123:PRO:O[2_757]	1.85	0.35
1:D:65:ILE:CB	1:E:124:ARG:CA[2_757]	1.85	0.35
1:D:66:LYS:N	1:E:123:PRO:N[2_757]	1.85	0.35
1:D:109:PHE:CG	3:F:1601:NDP:O2B[2_757]	1.85	0.35
1:D:118:ILE:CG1	1:E:234:GLU:OE1[2_757]	1.85	0.35
1:D:127:LYS:NZ	1:F:83:ARG:CD[2_757]	1.85	0.35
1:D:196:HIS:CA	1:F:330:ASN:C[2_757]	1.85	0.35
1:D:205:LYS:C	3:F:1601:NDP:C1D[2_757]	1.85	0.35
1:D:212:SER:CA	1:F:326:GLU:CA[2_757]	1.85	0.35
1:D:212:SER:N	1:F:326:GLU:C[2_757]	1.85	0.35
1:D:213:THR:N	1:F:326:GLU:N[2_757]	1.85	0.35
1:D:229:PHE:CD2	1:F:394:THR:CA[2_757]	1.85	0.35
1:D:231:GLU:CG	1:F:400:ALA:N[2_757]	1.85	0.35
1:D:234:GLU:CG	1:F:26:LYS:C[2_757]	1.85	0.35
1:D:239:SER:C	1:F:24:TRP:CG[2_757]	1.85	0.35
1:D:241:PHE:CD2	1:F:21:ARG:CA[2_757]	1.85	0.35
1:D:241:PHE:CE2	1:F:20:THR:C[2_757]	1.85	0.35
1:D:248:TYR:N	1:F:22:ILE:CA[2_757]	1.85	0.35
1:D:267:PHE:N	1:F:319:ARG:NH2[2_757]	1.85	0.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:356:LYS:N	1:E:275:ASP:CB[2_757]	1.85	0.35
1:D:407:LYS:CD	1:E:300:PRO:CG[2_757]	1.85	0.35
1:D:409:ILE:O	1:E:135:ALA:C[2_757]	1.85	0.35
1:E:50:ARG:CG	1:E:149:GLY:CA[2_657]	1.85	0.35
1:E:84:VAL:CG1	1:F:224:ARG:N[2_657]	1.85	0.35
1:E:87:PHE:CZ	1:F:192:GLU:OE1[2_657]	1.85	0.35
1:E:87:PHE:O	1:F:187:THR:C[2_657]	1.85	0.35
1:E:99:THR:CB	1:F:166:GLN:OE1[2_657]	1.85	0.35
1:A:12:VAL:N	1:A:166:GLN:C[2_757]	1.86	0.34
1:A:49:SER:N	1:A:172:VAL:O[2_757]	1.86	0.34
1:A:68:TYR:CB	1:A:165:ALA:C[2_757]	1.86	0.34
1:A:91:LYS:CB	1:B:221:TYR:CD2[2_757]	1.86	0.34
1:A:100:ILE:CB	1:B:153:LEU:C[2_757]	1.86	0.34
1:A:114:VAL:CG2	1:C:37:ASP:CA[2_858]	1.86	0.34
1:A:114:VAL:CB	1:C:38:VAL:N[2_858]	1.86	0.34
1:A:115:ILE:CG1	1:F:60:ASP:CG[2_657]	1.86	0.34
1:A:207:LEU:CG	1:C:354:LEU:N[2_858]	1.86	0.34
1:A:262:LYS:CB	1:C:305:PHE:CA[2_858]	1.86	0.34
1:A:262:LYS:CG	1:C:305:PHE:CE2[2_858]	1.86	0.34
1:A:263:SER:CB	1:C:345:ARG:N[2_858]	1.86	0.34
1:A:315:THR:CB	1:B:165:ALA:CA[2_757]	1.86	0.34
1:A:318:TYR:CA	1:B:161:ASP:N[2_757]	1.86	0.34
1:A:318:TYR:CE1	1:B:160:SER:CB[2_757]	1.86	0.34
1:A:376:THR:CB	1:F:66:LYS:N[2_657]	1.86	0.34
1:A:377:LYS:CD	1:F:68:TYR:O[2_657]	1.86	0.34
1:A:380:ALA:O	1:F:41:LYS:O[2_657]	1.86	0.34
1:A:386:ASN:CA	1:F:11:VAL:CG2[2_657]	1.86	0.34
1:A:406:GLN:OE1	1:F:140:TYR:C[2_657]	1.86	0.34
1:A:406:GLN:OE1	1:F:141:LYS:C[2_657]	1.86	0.34
1:B:11:VAL:CG1	1:E:371:GLN:CD[2_757]	1.86	0.34
1:B:22:ILE:C	1:C:231:GLU:C[2_858]	1.86	0.34
1:B:50:ARG:CB	1:E:339:SER:C[2_757]	1.86	0.34
1:B:55:ASP:C	1:E:338:TRP:N[2_757]	1.86	0.34
1:B:59:GLN:CB	1:E:335:ILE:CB[2_757]	1.86	0.34
1:B:69:GLY:O	1:E:372:ASP:CB[2_757]	1.86	0.34
1:B:71:GLY:N	1:E:372:ASP:OD2[2_757]	1.86	0.34
1:B:71:GLY:C	1:E:404:ARG:NH2[2_757]	1.86	0.34
1:B:73:LYS:NZ	1:E:360:ILE:CA[2_757]	1.86	0.34
1:B:76:THR:CG2	1:E:360:ILE:CA[2_757]	1.86	0.34
1:B:82:ALA:O	1:E:349:ASP:C[2_757]	1.86	0.34
1:B:83:ARG:CZ	1:E:352:PRO:C[2_757]	1.86	0.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:93:TRP:CZ3	1:E:72:ILE:CD1[2_757]	1.86	0.34
1:B:98:GLY:O	1:E:31:LEU:CA[2_757]	1.86	0.34
1:B:99:THR:O	1:E:31:LEU:CB[2_757]	1.86	0.34
1:B:99:THR:OG1	1:E:32:ILE:CD1[2_757]	1.86	0.34
1:B:115:ILE:O	1:C:102:ASN:CG[2_858]	1.86	0.34
1:B:141:LYS:CD	1:E:29:LYS:C[2_757]	1.86	0.34
1:B:262:LYS:N	1:C:67:LYS:CE[2_858]	1.86	0.34
1:B:306:GLU:CA	1:E:404:ARG:CG[2_757]	1.86	0.34
1:B:314:VAL:CB	1:C:200:LYS:NZ[2_858]	1.86	0.34
1:B:324:GLY:CA	1:C:247:HIS:O[2_858]	1.86	0.34
1:B:327:THR:OG1	1:C:209:LEU:CD1[2_858]	1.86	0.34
1:B:352:PRO:N	1:C:161:ASP:OD1[2_858]	1.86	0.34
1:B:354:LEU:N	1:C:163:THR:C[2_858]	1.86	0.34
1:B:362:GLU:CD	1:D:177:GLY:N[2_858]	1.86	0.34
1:B:365:THR:CG2	1:C:187:THR:OG1[2_858]	1.86	0.34
1:B:367:ASN:OD1	1:C:185:TYR:CD2[2_858]	1.86	0.34
1:B:372:ASP:CA	1:C:139:GLN:N[2_858]	1.86	0.34
1:B:381:LEU:C	1:C:297:LEU:CB[2_858]	1.86	0.34
1:B:383:CYS:SG	1:C:101:ARG:CB[2_858]	1.86	0.34
1:B:385:ASN:ND2	1:C:101:ARG:NH1[2_858]	1.86	0.34
1:B:388:ARG:NH2	1:C:270:ALA:C[2_858]	1.86	0.34
1:B:405:LEU:C	1:D:146:LEU:O[2_858]	1.86	0.34
1:B:406:GLN:C	1:D:145:THR:CG2[2_858]	1.86	0.34
1:B:406:GLN:N	1:D:145:THR:O[2_858]	1.86	0.34
1:B:408:GLU:OE2	1:D:175:TYR:OH[2_858]	1.86	0.34
1:D:3:SER:OG	1:E:101:ARG:NE[2_757]	1.86	0.34
1:D:32:ILE:N	1:E:109:PHE:CD1[2_757]	1.86	0.34
1:D:40:LEU:CG	1:E:111:GLU:C[2_757]	1.86	0.34
1:D:65:ILE:CA	1:E:122:VAL:C[2_757]	1.86	0.34
1:D:67:LYS:CA	1:E:121:LEU:O[2_757]	1.86	0.34
1:D:67:LYS:O	1:E:121:LEU:C[2_757]	1.86	0.34
1:D:68:TYR:N	1:E:121:LEU:CA[2_757]	1.86	0.34
1:D:71:GLY:CA	1:E:125:TRP:CG[2_757]	1.86	0.34
1:D:100:ILE:CG1	1:E:264:LYS:CE[2_757]	1.86	0.34
1:D:102:ASN:C	1:F:384:GLY:CA[2_757]	1.86	0.34
1:D:118:ILE:CD1	1:E:234:GLU:CG[2_757]	1.86	0.34
1:D:118:ILE:CG1	1:E:234:GLU:CB[2_757]	1.86	0.34
1:D:198:SER:CB	1:F:329:THR:OG1[2_757]	1.86	0.34
1:D:201:LEU:O	1:F:313:THR:N[2_757]	1.86	0.34
1:D:202:ALA:N	1:F:313:THR:C[2_757]	1.86	0.34
1:D:228:ILE:CG2	1:F:397:PHE:CA[2_757]	1.86	0.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:232:VAL:N	1:F:398:LEU:CA[2_757]	1.86	0.34
1:D:236:GLN:CA	1:F:335:ILE:CA[2_757]	1.86	0.34
1:D:236:GLN:N	1:F:335:ILE:CG1[2_757]	1.86	0.34
1:D:240:LYS:CG	1:F:24:TRP:CZ3[2_757]	1.86	0.34
1:D:240:LYS:CB	1:F:74:CYS:CA[2_757]	1.86	0.34
1:D:243:GLN:C	1:F:15:ASP:CA[2_757]	1.86	0.34
1:D:244:LEU:CD1	1:F:75:ALA:N[2_757]	1.86	0.34
1:D:246:ILE:CB	1:F:17:ASP:O[2_757]	1.86	0.34
1:D:246:ILE:CG2	1:F:17:ASP:N[2_757]	1.86	0.34
1:D:305:PHE:CD2	1:E:261:ILE:CG2[2_757]	1.86	0.34
1:D:305:PHE:CD1	1:E:258:ALA:CA[2_757]	1.86	0.34
1:D:306:GLU:CB	1:E:263:SER:O[2_757]	1.86	0.34
1:D:306:GLU:CB	1:E:263:SER:N[2_757]	1.86	0.34
1:D:311:HIS:CB	1:E:247:HIS:CE1[2_757]	1.86	0.34
1:D:317:HIS:CE1	1:E:243:GLN:O[2_757]	1.86	0.34
1:D:333:ALA:O	1:E:208:ASN:C[2_757]	1.86	0.34
1:D:336:PHE:CZ	1:E:248:TYR:CE1[2_757]	1.86	0.34
1:D:338:TRP:CG	1:E:268:ILE:CA[2_757]	1.86	0.34
1:D:340:ARG:CD	1:E:256:MET:CG[2_757]	1.86	0.34
1:D:342:LEU:CD2	1:E:131:ILE:CD1[2_757]	1.86	0.34
1:D:345:ARG:CG	1:E:282:ILE:C[2_757]	1.86	0.34
1:D:351:THR:CA	1:E:278:VAL:CB[2_757]	1.86	0.34
1:D:354:LEU:CA	1:E:277:ASP:N[2_757]	1.86	0.34
1:D:356:LYS:CE	1:E:139:GLN:CD[2_757]	1.86	0.34
1:D:360:ILE:CB	1:E:134:HIS:CB[2_757]	1.86	0.34
1:D:362:GLU:CB	1:E:211:LEU:CD2[2_757]	1.86	0.34
1:D:374:ILE:C	1:E:236:GLN:C[2_757]	1.86	0.34
1:D:393:THR:O	1:E:240:LYS:CD[2_757]	1.86	0.34
1:D:401:VAL:CG1	1:E:195:ALA:O[2_757]	1.86	0.34
1:D:401:VAL:CB	1:E:196:HIS:O[2_757]	1.86	0.34
1:D:404:ARG:NE	1:E:192:GLU:CA[2_757]	1.86	0.34
1:D:405:LEU:CA	1:E:194:PHE:CA[2_757]	1.86	0.34
1:E:48:GLU:C	1:E:178:SER:N[2_657]	1.86	0.34
1:E:55:ASP:CB	1:E:148:PRO:CD[2_657]	1.86	0.34
1:E:62:ALA:CA	1:F:163:THR:CA[2_657]	1.86	0.34
1:E:83:ARG:N	1:F:227:ASP:CB[2_657]	1.86	0.34
1:E:84:VAL:C	1:F:224:ARG:CA[2_657]	1.86	0.34
1:E:87:PHE:O	1:F:188:ASP:CA[2_657]	1.86	0.34
1:E:93:TRP:CZ3	1:E:146:LEU:O[2_657]	1.86	0.34
1:A:3:SER:OG	1:E:170:LEU:C[2_657]	1.87	0.33
1:A:3:SER:O	1:E:170:LEU:C[2_657]	1.87	0.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:18:GLU:CG	1:B:157:TYR:OH[2_757]	1.87	0.33
1:A:53:THR:CA	1:B:142:ALA:N[2_757]	1.87	0.33
1:A:54:SER:CB	1:B:139:GLN:CB[2_757]	1.87	0.33
1:A:59:GLN:O	1:B:180:VAL:C[2_757]	1.87	0.33
1:A:59:GLN:N	1:B:181:ALA:CA[2_757]	1.87	0.33
1:A:62:ALA:CA	1:B:153:LEU:CD2[2_757]	1.87	0.33
1:A:66:LYS:O	1:B:150:PRO:N[2_757]	1.87	0.33
1:A:70:VAL:C	1:A:159:PRO:N[2_757]	1.87	0.33
1:A:86:GLU:N	1:B:188:ASP:OD1[2_757]	1.87	0.33
1:A:93:TRP:NE1	1:B:221:TYR:OH[2_757]	1.87	0.33
1:A:117:ARG:NH1	1:F:46:SER:CA[2_657]	1.87	0.33
1:A:122:VAL:CA	1:C:12:VAL:CB[2_858]	1.87	0.33
1:A:162:PRO:CB	1:A:345:ARG:NE[2_757]	1.87	0.33
1:A:262:LYS:NZ	1:C:298:VAL:CG1[2_858]	1.87	0.33
1:A:264:LYS:CB	1:C:341:GLY:O[2_858]	1.87	0.33
1:A:283:VAL:CG1	1:C:9:GLN:CA[2_858]	1.87	0.33
1:A:313:THR:C	1:B:167:PRO:CB[2_757]	1.87	0.33
1:A:316:ARG:C	1:B:163:THR:CA[2_757]	1.87	0.33
1:A:318:TYR:C	1:B:161:ASP:O[2_757]	1.87	0.33
1:A:371:GLN:OE1	1:F:50:ARG:CG[2_657]	1.87	0.33
1:A:374:ILE:CG2	1:F:100:ILE:CG1[2_657]	1.87	0.33
1:A:376:THR:OG1	1:F:63:GLU:O[2_657]	1.87	0.33
1:A:379:LEU:O	1:F:43:TYR:CE1[2_657]	1.87	0.33
1:A:391:TYR:CE2	1:F:70:VAL:CB[2_657]	1.87	0.33
1:A:391:TYR:O	1:F:71:GLY:N[2_657]	1.87	0.33
1:A:393:THR:O	1:F:104:LEU:CG[2_657]	1.87	0.33
1:A:397:PHE:CZ	1:F:59:GLN:O[2_657]	1.87	0.33
1:A:399:ASP:C	1:F:102:ASN:C[2_657]	1.87	0.33
1:A:399:ASP:C	1:F:102:ASN:CB[2_657]	1.87	0.33
1:B:168:GLN:OE1	3:A:1101:NDP:O3D[2_757]	1.87	0.33
1:B:18:GLU:CA	1:C:236:GLN:O[2_858]	1.87	0.33
1:B:22:ILE:CG1	1:C:233:TYR:CA[2_858]	1.87	0.33
1:B:30:LYS:NZ	1:C:227:ASP:C[2_858]	1.87	0.33
1:B:45:LEU:O	1:E:359:ASN:CB[2_757]	1.87	0.33
1:B:50:ARG:CD	1:E:358:ALA:CA[2_757]	1.87	0.33
1:B:55:ASP:OD1	1:E:339:SER:CA[2_757]	1.87	0.33
1:B:62:ALA:N	1:E:365:THR:CB[2_757]	1.87	0.33
1:B:77:ILE:CG1	1:E:356:LYS:CG[2_757]	1.87	0.33
1:B:77:ILE:C	1:E:353:ALA:O[2_757]	1.87	0.33
1:B:80:ASP:C	1:E:351:THR:OG1[2_757]	1.87	0.33
1:B:88:ASN:CG	1:E:348:LEU:CD2[2_757]	1.87	0.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:93:TRP:CZ2	1:E:341:GLY:O[2_757]	1.87	0.33
1:B:103:ILE:C	1:E:398:LEU:C[2_757]	1.87	0.33
1:B:122:VAL:O	1:C:63:GLU:O[2_858]	1.87	0.33
1:B:122:VAL:CG1	1:C:64:ALA:CA[2_858]	1.87	0.33
1:B:123:PRO:N	1:C:64:ALA:N[2_858]	1.87	0.33
1:B:124:ARG:NH2	1:F:39:ASP:OD1[2_657]	1.87	0.33
1:B:281:ASP:CA	1:C:303:LYS:NZ[2_858]	1.87	0.33
1:B:289:SER:OG	1:C:300:PRO:N[2_858]	1.87	0.33
1:B:298:VAL:CB	1:E:403:LYS:CE[2_757]	1.87	0.33
1:B:306:GLU:CD	1:E:405:LEU:N[2_757]	1.87	0.33
1:B:308:GLU:OE2	1:E:407:LYS:N[2_757]	1.87	0.33
1:B:309:ALA:O	1:E:411:SER:OG[2_757]	1.87	0.33
1:B:311:HIS:C	1:E:411:SER:C[2_757]	1.87	0.33
1:B:320:LYS:N	1:C:203:ILE:CB[2_858]	1.87	0.33
1:B:323:LYS:CG	1:C:246:ILE:CG2[2_858]	1.87	0.33
1:B:325:GLU:OE1	1:C:207:LEU:N[2_858]	1.87	0.33
1:B:328:SER:O	1:C:194:PHE:O[2_858]	1.87	0.33
1:B:353:ALA:CB	1:C:163:THR:CA[2_858]	1.87	0.33
1:B:363:SER:C	1:D:175:TYR:CD1[2_858]	1.87	0.33
1:B:367:ASN:C	1:C:185:TYR:O[2_858]	1.87	0.33
1:B:375:MET:O	1:C:134:HIS:N[2_858]	1.87	0.33
1:B:377:LYS:O	1:C:107:THR:O[2_858]	1.87	0.33
1:B:385:ASN:CB	1:C:110:ARG:CZ[2_858]	1.87	0.33
1:B:387:GLU:C	1:C:280:SER:CB[2_858]	1.87	0.33
1:B:393:THR:OG1	1:C:211:LEU:CB[2_858]	1.87	0.33
1:B:395:GLU:C	1:C:225:PHE:C[2_858]	1.87	0.33
1:C:317:HIS:CB	1:C:325:GLU:CG[2_958]	1.87	0.33
1:D:3:SER:OG	1:E:101:ARG:CZ[2_757]	1.87	0.33
1:D:9:GLN:O	1:E:284:ALA:C[2_757]	1.87	0.33
1:D:13:GLU:CB	1:E:128:PRO:CB[2_757]	1.87	0.33
1:D:23:ILE:CG2	1:E:206:LYS:N[2_757]	1.87	0.33
1:D:26:LYS:CG	1:E:204:ASP:O[2_757]	1.87	0.33
1:D:27:ILE:N	1:E:201:LEU:CD2[2_757]	1.87	0.33
1:D:30:LYS:C	1:E:109:PHE:CD2[2_757]	1.87	0.33
1:D:33:LEU:N	1:E:109:PHE:C[2_757]	1.87	0.33
1:D:42:TYR:CA	1:E:114:VAL:CB[2_757]	1.87	0.33
1:D:61:ALA:O	1:E:123:PRO:O[2_757]	1.87	0.33
1:D:67:LYS:CA	1:E:123:PRO:CD[2_757]	1.87	0.33
1:D:81:GLU:CB	1:D:88:ASN:CB[2_858]	1.87	0.33
1:D:83:ARG:C	1:D:85:LYS:CG[2_858]	1.87	0.33
1:D:109:PHE:CG	3:F:1601:NDP:C2B[2_757]	1.87	0.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:115:ILE:CA	1:E:230:GLN:OE1[2_757]	1.87	0.33
1:D:130:ILE:C	1:F:316:ARG:CA[2_757]	1.87	0.33
1:D:190:SER:CB	1:F:380:ALA:CA[2_757]	1.87	0.33
1:D:197:SER:C	3:F:1601:NDP:C4A[2_757]	1.87	0.33
1:D:201:LEU:CG	3:F:1601:NDP:O2A[2_757]	1.87	0.33
1:D:207:LEU:CG	1:F:83:ARG:NH2[2_757]	1.87	0.33
1:D:225:PHE:CD1	1:F:388:ARG:CZ[2_757]	1.87	0.33
1:D:227:ASP:O	1:F:396:GLU:C[2_757]	1.87	0.33
1:D:233:TYR:OH	1:F:22:ILE:C[2_757]	1.87	0.33
1:D:244:LEU:CA	1:F:15:ASP:O[2_757]	1.87	0.33
1:D:269:MET:N	1:F:316:ARG:C[2_757]	1.87	0.33
1:D:271:LEU:CG	1:F:320:LYS:CE[2_757]	1.87	0.33
1:D:301:ASP:O	5:F:1642:HOH:O[2_757]	1.87	0.33
1:D:303:LYS:CB	1:F:287:PHE:N[2_757]	1.87	0.33
1:D:330:ASN:C	1:E:246:ILE:CG1[2_757]	1.87	0.33
1:D:360:ILE:CG2	1:E:134:HIS:CB[2_757]	1.87	0.33
1:D:362:GLU:C	1:E:211:LEU:CG[2_757]	1.87	0.33
1:D:362:GLU:CG	1:E:211:LEU:C[2_757]	1.87	0.33
1:D:375:MET:CA	1:E:236:GLN:CA[2_757]	1.87	0.33
1:D:405:LEU:CD2	1:E:194:PHE:CD2[2_757]	1.87	0.33
1:D:409:ILE:O	1:E:136:HIS:CB[2_757]	1.87	0.33
1:D:411:SER:C	1:E:136:HIS:C[2_757]	1.87	0.33
1:E:45:LEU:CG	1:F:164:THR:CG2[2_657]	1.87	0.33
1:E:48:GLU:CG	5:E:1522:HOH:O[2_657]	1.87	0.33
1:E:60:ASP:CB	1:F:162:PRO:CD[2_657]	1.87	0.33
1:E:85:LYS:NZ	1:F:211:LEU:CD1[2_657]	1.87	0.33
1:A:43:TYR:CE2	1:B:145:THR:CG2[2_757]	1.88	0.32
1:A:43:TYR:CG	1:A:170:LEU:CG[2_757]	1.88	0.32
1:A:53:THR:N	1:B:142:ALA:CB[2_757]	1.88	0.32
1:A:56:LYS:C	1:B:182:MET:CG[2_757]	1.88	0.32
1:A:64:ALA:C	1:B:148:PRO:CD[2_757]	1.88	0.32
1:A:76:THR:CA	1:B:156:VAL:C[2_757]	1.88	0.32
1:A:76:THR:CB	1:B:156:VAL:N[2_757]	1.88	0.32
1:A:89:LEU:CD2	1:B:186:ASN:N[2_757]	1.88	0.32
1:A:90:HIS:O	1:B:225:PHE:CD1[2_757]	1.88	0.32
1:A:99:THR:CA	1:B:172:VAL:CG1[2_757]	1.88	0.32
1:A:103:ILE:C	1:B:173:TYR:CE2[2_757]	1.88	0.32
1:A:120:ARG:CG	1:C:40:LEU:N[2_858]	1.88	0.32
1:A:124:ARG:CA	1:C:71:GLY:C[2_858]	1.88	0.32
1:A:207:LEU:CD1	1:C:353:ALA:C[2_858]	1.88	0.32
1:A:219:LYS:CD	1:E:38:VAL:CA[2_757]	1.88	0.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:261:ILE:CD1	1:C:68:TYR:C[2_858]	1.88	0.32
1:A:267:PHE:O	1:C:351:THR:CG2[2_858]	1.88	0.32
1:A:267:PHE:O	1:C:351:THR:CA[2_858]	1.88	0.32
1:A:314:VAL:CB	1:B:167:PRO:CD[2_757]	1.88	0.32
1:A:365:THR:OG1	1:F:59:GLN:CD[2_657]	1.88	0.32
1:A:366:LEU:CG	1:F:56:LYS:CA[2_657]	1.88	0.32
1:A:372:ASP:OD2	1:F:95:SER:C[2_657]	1.88	0.32
1:A:372:ASP:CB	1:F:96:PRO:C[2_657]	1.88	0.32
1:A:375:MET:O	1:F:65:ILE:CB[2_657]	1.88	0.32
1:A:382:ALA:N	1:F:41:LYS:CD[2_657]	1.88	0.32
1:A:391:TYR:CB	1:F:70:VAL:O[2_657]	1.88	0.32
1:A:399:ASP:CG	1:F:105:GLY:CA[2_657]	1.88	0.32
1:A:399:ASP:C	1:F:101:ARG:C[2_657]	1.88	0.32
1:A:406:GLN:CD	1:F:141:LYS:O[2_657]	1.88	0.32
1:F:189:GLU:OE1	5:A:1122:HOH:O[2_657]	1.88	0.32
1:B:22:ILE:CD1	1:C:233:TYR:O[2_858]	1.88	0.32
1:B:44:ASP:O	1:E:362:GLU:CD[2_757]	1.88	0.32
1:B:50:ARG:CZ	1:E:358:ALA:C[2_757]	1.88	0.32
1:B:61:ALA:C	1:E:365:THR:CB[2_757]	1.88	0.32
1:B:66:LYS:NZ	1:E:397:PHE:N[2_757]	1.88	0.32
1:B:69:GLY:CA	1:E:374:ILE:CD1[2_757]	1.88	0.32
1:B:89:LEU:CB	1:E:345:ARG:C[2_757]	1.88	0.32
1:B:95:SER:N	1:E:36:LEU:CG[2_757]	1.88	0.32
1:B:96:PRO:CD	1:E:357:PHE:O[2_757]	1.88	0.32
1:B:101:ARG:C	1:E:402:GLU:CB[2_757]	1.88	0.32
1:B:102:ASN:ND2	1:E:30:LYS:CA[2_757]	1.88	0.32
1:B:103:ILE:CG2	1:E:398:LEU:O[2_757]	1.88	0.32
1:B:285:GLN:NE2	1:C:304:THR:CB[2_858]	1.88	0.32
1:B:322:GLN:C	1:C:241:PHE:CB[2_858]	1.88	0.32
1:B:329:THR:OG1	1:C:195:ALA:O[2_858]	1.88	0.32
1:B:331:SER:CB	1:C:192:GLU:CB[2_858]	1.88	0.32
1:B:351:THR:O	1:C:161:ASP:OD2[2_858]	1.88	0.32
1:B:354:LEU:CB	1:C:164:THR:CB[2_858]	1.88	0.32
1:B:359:ASN:C	1:D:149:GLY:O[2_858]	1.88	0.32
1:B:361:LEU:CD2	1:D:179:GLY:N[2_858]	1.88	0.32
1:B:362:GLU:N	1:D:177:GLY:C[2_858]	1.88	0.32
1:B:367:ASN:O	1:C:185:TYR:N[2_858]	1.88	0.32
1:B:377:LYS:CD	1:C:109:PHE:CE1[2_858]	1.88	0.32
1:B:377:LYS:O	1:C:107:THR:CA[2_858]	1.88	0.32
1:B:378:ASP:OD2	1:C:106:GLY:N[2_858]	1.88	0.32
1:B:378:ASP:CB	1:C:106:GLY:C[2_858]	1.88	0.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:382:ALA:O	1:C:306:GLU:OE1[2_858]	1.88	0.32
1:B:391:TYR:CE2	1:C:131:ILE:O[2_858]	1.88	0.32
1:B:397:PHE:C	1:C:225:PHE:CG[2_858]	1.88	0.32
1:B:397:PHE:CZ	1:C:186:ASN:OD1[2_858]	1.88	0.32
1:B:400:ALA:CA	1:C:221:TYR:O[2_858]	1.88	0.32
1:B:404:ARG:CB	1:D:180:VAL:C[2_858]	1.88	0.32
1:E:409:ILE:CG2	4:B:1202:AKG:C1[2_757]	1.88	0.32
1:D:2:PHE:CA	1:E:306:GLU:OE1[2_757]	1.88	0.32
1:D:4:LYS:CG	1:E:308:GLU:CD[2_757]	1.88	0.32
1:D:10:PRO:N	1:E:284:ALA:O[2_757]	1.88	0.32
1:D:26:LYS:CD	1:E:204:ASP:CA[2_757]	1.88	0.32
1:D:26:LYS:CG	1:E:204:ASP:CB[2_757]	1.88	0.32
1:D:33:LEU:O	1:E:295:SER:CA[2_757]	1.88	0.32
1:D:35:TYR:CE2	1:E:108:VAL:N[2_757]	1.88	0.32
1:D:36:LEU:CA	1:E:110:ARG:NE[2_757]	1.88	0.32
1:D:37:ASP:O	5:E:1510:HOH:O[2_757]	1.88	0.32
1:D:61:ALA:CB	1:E:126:GLU:CB[2_757]	1.88	0.32
1:D:63:GLU:C	1:E:123:PRO:CA[2_757]	1.88	0.32
1:D:65:ILE:N	1:E:123:PRO:CA[2_757]	1.88	0.32
1:D:68:TYR:OH	1:E:119:PRO:O[2_757]	1.88	0.32
1:D:106:GLY:N	1:F:381:LEU:CB[2_757]	1.88	0.32
1:D:113:ILE:CG1	1:E:249:GLU:CG[2_757]	1.88	0.32
1:D:132:GLY:CA	1:F:317:HIS:NE2[2_757]	1.88	0.32
1:D:136:HIS:C	1:F:386:ASN:N[2_757]	1.88	0.32
1:D:136:HIS:C	1:F:385:ASN:C[2_757]	1.88	0.32
1:D:136:HIS:C	1:F:386:ASN:C[2_757]	1.88	0.32
1:D:137:GLY:C	1:F:386:ASN:C[2_757]	1.88	0.32
1:D:195:ALA:O	1:F:330:ASN:C[2_757]	1.88	0.32
1:D:196:HIS:ND1	1:F:332:ILE:CA[2_757]	1.88	0.32
1:D:198:SER:CB	1:F:329:THR:CB[2_757]	1.88	0.32
1:D:201:LEU:CD2	3:F:1601:NDP:PA[2_757]	1.88	0.32
1:D:225:PHE:O	1:F:393:THR:CB[2_757]	1.88	0.32
1:D:229:PHE:N	1:F:394:THR:O[2_757]	1.88	0.32
1:D:233:TYR:CZ	1:F:23:ILE:N[2_757]	1.88	0.32
1:D:241:PHE:CB	1:F:21:ARG:CA[2_757]	1.88	0.32
1:D:243:GLN:N	1:F:15:ASP:N[2_757]	1.88	0.32
1:D:267:PHE:CG	1:F:319:ARG:CD[2_757]	1.88	0.32
1:D:301:ASP:OD2	1:F:287:PHE:C[2_757]	1.88	0.32
1:D:340:ARG:C	1:E:269:MET:SD[2_757]	1.88	0.32
1:D:345:ARG:O	1:E:282:ILE:CB[2_757]	1.88	0.32
1:D:345:ARG:NE	1:E:282:ILE:C[2_757]	1.88	0.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:356:LYS:CG	1:E:274:TYR:N[2_757]	1.88	0.32
1:D:357:PHE:CE2	1:E:132:GLY:C[2_757]	1.88	0.32
1:D:358:ALA:C	1:E:271:LEU:CB[2_757]	1.88	0.32
1:D:365:THR:CG2	1:E:209:LEU:CD1[2_757]	1.88	0.32
1:D:379:LEU:CD2	1:E:238:LYS:CE[2_757]	1.88	0.32
1:D:411:SER:O	1:E:137:GLY:N[2_757]	1.88	0.32
1:E:55:ASP:CA	1:F:157:TYR:OH[2_657]	1.88	0.32
1:E:55:ASP:CG	1:E:148:PRO:CD[2_657]	1.88	0.32
1:E:60:ASP:C	1:F:161:ASP:C[2_657]	1.88	0.32
1:E:88:ASN:CG	1:F:191:ILE:CG1[2_657]	1.88	0.32
1:A:2:PHE:CA	1:E:155:LEU:N[2_657]	1.89	0.31
1:A:16:GLY:N	1:A:154:GLU:CD[2_757]	1.89	0.31
1:A:34:PRO:CA	1:E:173:TYR:O[2_657]	1.89	0.31
1:A:54:SER:CB	1:B:184:MET:CE[2_757]	1.89	0.31
1:A:59:GLN:CB	1:B:181:ALA:CA[2_757]	1.89	0.31
1:A:59:GLN:O	1:B:181:ALA:CA[2_757]	1.89	0.31
1:A:75:ALA:C	1:B:156:VAL:C[2_757]	1.89	0.31
1:A:75:ALA:O	1:B:156:VAL:CG1[2_757]	1.89	0.31
1:A:79:PRO:N	1:A:145:THR:CG2[2_757]	1.89	0.31
1:A:83:ARG:NE	1:A:147:ILE:CA[2_757]	1.89	0.31
1:A:85:LYS:CB	1:B:224:ARG:NH2[2_757]	1.89	0.31
1:A:89:LEU:CG	1:B:186:ASN:O[2_757]	1.89	0.31
1:A:99:THR:C	1:B:172:VAL:C[2_757]	1.89	0.31
1:A:100:ILE:CB	1:B:153:LEU:CA[2_757]	1.89	0.31
1:A:103:ILE:CA	1:B:173:TYR:CD1[2_757]	1.89	0.31
1:A:111:GLU:CB	1:C:6:LYS:CB[2_858]	1.89	0.31
1:A:120:ARG:CA	1:C:41:LYS:CB[2_858]	1.89	0.31
1:A:127:LYS:NZ	1:C:354:LEU:O[2_858]	1.89	0.31
1:A:129:ILE:CD1	1:C:349:ASP:OD2[2_858]	1.89	0.31
1:A:129:ILE:N	1:C:7:VAL:CG1[2_858]	1.89	0.31
1:A:158:LYS:O	1:A:305:PHE:C[2_757]	1.89	0.31
1:A:207:LEU:CG	1:C:353:ALA:N[2_858]	1.89	0.31
1:A:261:ILE:N	1:C:348:LEU:CD1[2_858]	1.89	0.31
1:A:264:LYS:CG	1:C:341:GLY:C[2_858]	1.89	0.31
1:A:268:ILE:C	1:C:350:ASN:CA[2_858]	1.89	0.31
1:A:314:VAL:C	1:B:166:GLN:CA[2_757]	1.89	0.31
1:A:315:THR:N	1:B:166:GLN:C[2_757]	1.89	0.31
1:A:319:ARG:CB	1:B:164:THR:OG1[2_757]	1.89	0.31
1:A:367:ASN:C	1:F:58:THR:CG2[2_657]	1.89	0.31
1:A:391:TYR:N	1:F:72:ILE:N[2_657]	1.89	0.31
1:A:399:ASP:CA	1:F:101:ARG:O[2_657]	1.89	0.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:410:LYS:CD	1:F:144:ASP:CG[2_657]	1.89	0.31
1:B:169:THR:O	3:A:1101:NDP:C7N[2_757]	1.89	0.31
1:B:11:VAL:C	1:E:370:GLN:O[2_757]	1.89	0.31
1:B:12:VAL:O	1:E:367:ASN:CG[2_757]	1.89	0.31
1:B:45:LEU:C	1:E:359:ASN:CA[2_757]	1.89	0.31
1:B:46:SER:CB	1:E:359:ASN:OD1[2_757]	1.89	0.31
1:B:50:ARG:NE	1:E:359:ASN:N[2_757]	1.89	0.31
1:B:55:ASP:C	1:E:336:PHE:O[2_757]	1.89	0.31
1:B:57:ILE:C	1:E:336:PHE:CG[2_757]	1.89	0.31
1:B:60:ASP:CA	1:E:332:ILE:CG2[2_757]	1.89	0.31
1:B:65:ILE:CG1	1:E:368:THR:CA[2_757]	1.89	0.31
1:B:68:TYR:CG	1:E:375:MET:CE[2_757]	1.89	0.31
1:B:68:TYR:C	1:E:373:GLY:O[2_757]	1.89	0.31
1:B:78:THR:CG2	1:E:36:LEU:CD2[2_757]	1.89	0.31
1:B:83:ARG:NE	1:E:352:PRO:CB[2_757]	1.89	0.31
1:B:91:LYS:O	1:E:345:ARG:CA[2_757]	1.89	0.31
1:B:92:MET:N	1:E:345:ARG:CG[2_757]	1.89	0.31
1:B:99:THR:CA	1:E:31:LEU:C[2_757]	1.89	0.31
1:B:117:ARG:NH1	1:C:141:LYS:N[2_858]	1.89	0.31
1:B:125:TRP:C	1:C:63:GLU:CB[2_858]	1.89	0.31
1:B:260:MET:C	1:C:67:LYS:CE[2_858]	1.89	0.31
1:B:286:GLY:C	1:C:66:LYS:CB[2_858]	1.89	0.31
1:B:296:ILE:O	1:E:407:LYS:CD[2_757]	1.89	0.31
1:B:298:VAL:C	1:E:403:LYS:NZ[2_757]	1.89	0.31
1:B:306:GLU:OE2	1:E:404:ARG:C[2_757]	1.89	0.31
1:B:309:ALA:O	1:E:411:SER:N[2_757]	1.89	0.31
1:B:321:TYR:OH	1:C:233:TYR:CG[2_858]	1.89	0.31
1:B:321:TYR:CE2	1:C:233:TYR:CE1[2_858]	1.89	0.31
1:B:329:THR:OG1	1:C:196:HIS:N[2_858]	1.89	0.31
1:B:332:ILE:C	1:C:189:GLU:C[2_858]	1.89	0.31
1:B:363:SER:CB	1:D:175:TYR:CG[2_858]	1.89	0.31
1:B:367:ASN:OD1	1:C:185:TYR:CE2[2_858]	1.89	0.31
1:B:391:TYR:O	1:C:271:LEU:CA[2_858]	1.89	0.31
1:B:395:GLU:CA	1:C:229:PHE:CB[2_858]	1.89	0.31
1:B:408:GLU:O	1:C:157:TYR:CB[2_858]	1.89	0.31
1:E:342:LEU:CD1	5:B:1220:HOH:O[2_757]	1.89	0.31
1:D:6:LYS:CG	1:E:311:HIS:CA[2_757]	1.89	0.31
1:D:12:VAL:CB	1:E:125:TRP:CB[2_757]	1.89	0.31
1:D:14:LEU:N	1:E:127:LYS:CB[2_757]	1.89	0.31
1:D:31:LEU:O	1:E:109:PHE:CE1[2_757]	1.89	0.31
1:D:126:GLU:OE2	1:F:85:LYS:CE[2_757]	1.89	0.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:134:HIS:C	1:F:377:LYS:CD[2_757]	1.89	0.31
1:D:134:HIS:N	1:F:377:LYS:CD[2_757]	1.89	0.31
1:D:134:HIS:CA	1:F:377:LYS:CG[2_757]	1.89	0.31
1:D:136:HIS:CE1	1:F:385:ASN:CG[2_757]	1.89	0.31
1:D:193:GLY:CA	1:F:379:LEU:CG[2_757]	1.89	0.31
1:D:197:SER:C	3:F:1601:NDP:N3A[2_757]	1.89	0.31
1:D:200:LYS:NZ	1:F:291:GLY:C[2_757]	1.89	0.31
1:D:207:LEU:CD2	1:F:83:ARG:NH1[2_757]	1.89	0.31
1:D:226:LYS:N	1:F:393:THR:CB[2_757]	1.89	0.31
1:D:229:PHE:CD1	1:F:393:THR:C[2_757]	1.89	0.31
1:D:229:PHE:CZ	1:F:328:SER:N[2_757]	1.89	0.31
1:D:235:ALA:CB	1:F:335:ILE:CD1[2_757]	1.89	0.31
1:D:238:LYS:CA	1:F:24:TRP:N[2_757]	1.89	0.31
1:D:243:GLN:N	1:F:15:ASP:C[2_757]	1.89	0.31
1:D:243:GLN:CG	1:F:14:LEU:N[2_757]	1.89	0.31
1:D:301:ASP:CB	1:F:287:PHE:O[2_757]	1.89	0.31
1:D:303:LYS:N	1:F:285:GLN:O[2_757]	1.89	0.31
1:D:305:PHE:C	1:E:263:SER:N[2_757]	1.89	0.31
1:D:306:GLU:CG	1:E:263:SER:CA[2_757]	1.89	0.31
1:D:306:GLU:OE2	1:E:264:LYS:CB[2_757]	1.89	0.31
1:D:311:HIS:CE1	1:E:245:GLY:O[2_757]	1.89	0.31
1:D:331:SER:OG	1:E:203:ILE:CA[2_757]	1.89	0.31
1:D:333:ALA:CB	1:E:247:HIS:N[2_757]	1.89	0.31
1:D:336:PHE:CG	1:E:210:PHE:N[2_757]	1.89	0.31
1:D:345:ARG:NE	1:E:282:ILE:O[2_757]	1.89	0.31
1:D:347:GLU:N	1:E:279:GLN:NE2[2_757]	1.89	0.31
1:D:352:PRO:CA	1:E:274:TYR:CE2[2_757]	1.89	0.31
1:D:360:ILE:CD1	1:E:134:HIS:CB[2_757]	1.89	0.31
1:D:361:LEU:N	1:E:194:PHE:CE1[2_757]	1.89	0.31
1:D:362:GLU:CA	1:E:211:LEU:CG[2_757]	1.89	0.31
1:D:363:SER:O	1:E:229:PHE:CE1[2_757]	1.89	0.31
1:D:369:VAL:O	1:E:231:GLU:C[2_757]	1.89	0.31
1:E:56:LYS:CG	1:F:157:TYR:C[2_657]	1.89	0.31
1:E:81:GLU:O	1:F:227:ASP:CB[2_657]	1.89	0.31
1:E:90:HIS:CG	1:E:181:ALA:CB[2_657]	1.89	0.31
1:E:90:HIS:CB	1:E:180:VAL:CA[2_657]	1.89	0.31
1:E:91:LYS:CE	1:E:145:THR:CB[2_657]	1.89	0.31
1:E:93:TRP:CZ2	1:E:147:ILE:CB[2_657]	1.89	0.31
1:A:11:VAL:CB	1:A:167:PRO:CD[2_757]	1.90	0.30
1:A:14:LEU:N	1:A:169:THR:OG1[2_757]	1.90	0.30
1:A:15:ASP:CB	1:A:154:GLU:CG[2_757]	1.90	0.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:21:ARG:N	1:B:158:LYS:CD[2_757]	1.90	0.30
1:A:52:ALA:CB	1:B:141:LYS:CA[2_757]	1.90	0.30
1:A:55:ASP:OD1	1:A:182:MET:C[2_757]	1.90	0.30
1:A:88:ASN:CB	1:B:187:THR:C[2_757]	1.90	0.30
1:A:91:LYS:O	1:B:221:TYR:CE2[2_757]	1.90	0.30
1:A:120:ARG:N	1:C:40:LEU:O[2_858]	1.90	0.30
1:A:128:PRO:C	1:C:7:VAL:CB[2_858]	1.90	0.30
1:A:129:ILE:CD1	1:C:345:ARG:CD[2_858]	1.90	0.30
1:A:150:PRO:O	1:A:318:TYR:CZ[2_757]	1.90	0.30
1:A:160:SER:CA	1:A:304:THR:C[2_757]	1.90	0.30
1:A:160:SER:CB	1:A:305:PHE:N[2_757]	1.90	0.30
1:A:163:THR:CB	1:A:349:ASP:OD1[2_757]	1.90	0.30
1:A:214:LYS:C	1:E:4:LYS:O[2_757]	1.90	0.30
1:A:216:THR:CB	1:E:5:ILE:CG1[2_757]	1.90	0.30
1:A:254:ASP:OD2	1:E:2:PHE:CE2[2_757]	1.90	0.30
1:A:264:LYS:C	1:C:341:GLY:O[2_858]	1.90	0.30
1:A:269:MET:CA	1:C:350:ASN:CA[2_858]	1.90	0.30
1:A:282:ILE:C	1:C:9:GLN:NE2[2_858]	1.90	0.30
1:A:287:PHE:CD1	1:C:10:PRO:CA[2_858]	1.90	0.30
1:A:316:ARG:N	1:B:165:ALA:CA[2_757]	1.90	0.30
1:A:374:ILE:N	1:F:100:ILE:CD1[2_657]	1.90	0.30
1:A:377:LYS:C	1:F:12:VAL:CG2[2_657]	1.90	0.30
1:A:381:LEU:CG	1:F:10:PRO:C[2_657]	1.90	0.30
1:A:389:SER:C	1:F:72:ILE:CB[2_657]	1.90	0.30
1:A:391:TYR:CG	1:F:71:GLY:N[2_657]	1.90	0.30
1:A:400:ALA:CA	1:F:98:GLY:O[2_657]	1.90	0.30
1:A:402:GLU:O	1:F:141:LYS:CG[2_657]	1.90	0.30
1:B:21:ARG:CD	1:C:235:ALA:O[2_858]	1.90	0.30
1:B:22:ILE:CA	1:C:231:GLU:O[2_858]	1.90	0.30
1:B:40:LEU:O	1:E:370:GLN:NE2[2_757]	1.90	0.30
1:B:41:LYS:CE	1:E:117:ARG:C[2_757]	1.90	0.30
1:B:43:TYR:CE1	1:E:366:LEU:CD2[2_757]	1.90	0.30
1:B:45:LEU:CB	1:E:359:ASN:O[2_757]	1.90	0.30
1:B:51:ASP:CG	1:E:344:LYS:N[2_757]	1.90	0.30
1:B:56:LYS:CE	1:E:308:GLU:O[2_757]	1.90	0.30
1:B:83:ARG:CD	1:E:351:THR:O[2_757]	1.90	0.30
1:B:83:ARG:NH1	1:E:352:PRO:CG[2_757]	1.90	0.30
1:B:94:LYS:C	1:E:357:PHE:CE2[2_757]	1.90	0.30
1:B:97:ASN:C	1:E:405:LEU:CD1[2_757]	1.90	0.30
1:B:124:ARG:CZ	1:F:39:ASP:OD2[2_657]	1.90	0.30
1:B:311:HIS:N	1:E:410:LYS:O[2_757]	1.90	0.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:317:HIS:NE2	1:C:197:SER:O[2_858]	1.90	0.30
1:B:319:ARG:NH1	1:C:240:LYS:CG[2_858]	1.90	0.30
1:B:322:GLN:CB	1:C:240:LYS:O[2_858]	1.90	0.30
1:B:327:THR:CG2	1:C:198:SER:C[2_858]	1.90	0.30
1:B:331:SER:CA	1:C:192:GLU:C[2_858]	1.90	0.30
1:B:332:ILE:N	1:C:190:SER:N[2_858]	1.90	0.30
1:B:357:PHE:CE2	1:D:148:PRO:O[2_858]	1.90	0.30
1:B:359:ASN:CA	1:D:150:PRO:N[2_858]	1.90	0.30
1:B:363:SER:N	1:D:175:TYR:CD2[2_858]	1.90	0.30
1:B:368:THR:O	1:C:138:ASP:CA[2_858]	1.90	0.30
1:B:369:VAL:CA	1:C:137:GLY:N[2_858]	1.90	0.30
1:B:372:ASP:N	1:C:184:MET:CB[2_858]	1.90	0.30
1:B:372:ASP:CG	1:C:184:MET:CB[2_858]	1.90	0.30
1:B:375:MET:CB	1:C:136:HIS:N[2_858]	1.90	0.30
1:B:376:THR:CB	1:C:194:PHE:CB[2_858]	1.90	0.30
1:B:376:THR:O	1:C:135:ALA:N[2_858]	1.90	0.30
1:B:389:SER:OG	1:C:280:SER:N[2_858]	1.90	0.30
1:B:391:TYR:OH	1:C:132:GLY:CA[2_858]	1.90	0.30
1:B:395:GLU:CD	1:C:229:PHE:CD2[2_858]	1.90	0.30
1:B:399:ASP:CA	1:C:224:ARG:C[2_858]	1.90	0.30
1:B:401:VAL:CA	1:D:180:VAL:CG2[2_858]	1.90	0.30
1:B:404:ARG:NH2	1:C:184:MET:CA[2_858]	1.90	0.30
1:B:406:GLN:CA	1:D:145:THR:C[2_858]	1.90	0.30
1:B:411:SER:OG	1:C:156:VAL:C[2_858]	1.90	0.30
1:D:5:ILE:C	1:E:110:ARG:CZ[2_757]	1.90	0.30
1:D:7:VAL:CG2	1:E:280:SER:CB[2_757]	1.90	0.30
1:D:9:GLN:N	1:E:285:GLN:CB[2_757]	1.90	0.30
1:D:10:PRO:O	1:E:286:GLY:C[2_757]	1.90	0.30
1:D:35:TYR:CE1	1:E:107:THR:C[2_757]	1.90	0.30
1:D:35:TYR:O	1:E:108:VAL:CG1[2_757]	1.90	0.30
1:D:64:ALA:C	1:E:123:PRO:N[2_757]	1.90	0.30
1:D:67:LYS:N	1:E:123:PRO:N[2_757]	1.90	0.30
1:D:81:GLU:C	1:D:88:ASN:CB[2_858]	1.90	0.30
1:D:109:PHE:CB	3:F:1601:NDP:O3X[2_757]	1.90	0.30
1:D:127:LYS:CE	1:F:83:ARG:NH1[2_757]	1.90	0.30
1:D:134:HIS:CB	1:F:377:LYS:CE[2_757]	1.90	0.30
1:D:189:GLU:CA	1:F:375:MET:CG[2_757]	1.90	0.30
1:D:198:SER:C	1:F:329:THR:CG2[2_757]	1.90	0.30
1:D:212:SER:C	1:F:325:GLU:C[2_757]	1.90	0.30
1:D:234:GLU:O	1:F:27:ILE:C[2_757]	1.90	0.30
1:D:238:LYS:NZ	1:F:25:ASP:O[2_757]	1.90	0.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:239:SER:C	1:F:24:TRP:CE3[2_757]	1.90	0.30
1:D:239:SER:OG	1:F:338:TRP:CZ2[2_757]	1.90	0.30
1:D:240:LYS:CA	1:F:24:TRP:CE3[2_757]	1.90	0.30
1:D:267:PHE:CD1	1:F:319:ARG:CD[2_757]	1.90	0.30
1:D:305:PHE:CA	1:E:261:ILE:O[2_757]	1.90	0.30
1:D:309:ALA:N	1:E:208:ASN:ND2[2_757]	1.90	0.30
1:D:333:ALA:O	1:E:209:LEU:N[2_757]	1.90	0.30
1:D:336:PHE:CB	1:E:209:LEU:O[2_757]	1.90	0.30
1:D:349:ASP:CB	1:F:257:VAL:CG2[2_757]	1.90	0.30
1:D:358:ALA:CA	1:E:271:LEU:N[2_757]	1.90	0.30
1:D:369:VAL:C	1:E:232:VAL:CA[2_757]	1.90	0.30
1:D:370:GLN:CA	1:E:231:GLU:N[2_757]	1.90	0.30
1:D:377:LYS:CA	1:E:239:SER:CB[2_757]	1.90	0.30
1:D:379:LEU:CG	1:E:238:LYS:CD[2_757]	1.90	0.30
1:D:405:LEU:CD1	1:E:107:THR:OG1[2_757]	1.90	0.30
1:D:406:GLN:C	1:E:106:GLY:CA[2_757]	1.90	0.30
1:E:242:GLU:C	3:D:1401:NDP:N3A[2_757]	1.90	0.30
1:F:18:GLU:OE2	5:D:1430:HOH:O[2_757]	1.90	0.30
1:E:58:THR:CB	1:F:165:ALA:C[2_657]	1.90	0.30
1:E:85:LYS:CA	1:F:225:PHE:N[2_657]	1.90	0.30
1:E:92:MET:C	1:E:146:LEU:CB[2_657]	1.90	0.30
1:A:2:PHE:CD1	1:E:155:LEU:CD1[2_657]	1.91	0.29
1:A:10:PRO:CG	1:A:166:GLN:CG[2_757]	1.91	0.29
1:A:10:PRO:CA	1:A:166:GLN:CB[2_757]	1.91	0.29
1:A:13:GLU:C	1:A:169:THR:OG1[2_757]	1.91	0.29
1:A:19:MET:CA	1:B:159:PRO:O[2_757]	1.91	0.29
1:A:49:SER:O	5:B:1218:HOH:O[2_757]	1.91	0.29
1:A:54:SER:OG	1:B:139:GLN:CG[2_757]	1.91	0.29
1:A:65:ILE:CG1	1:A:157:TYR:CD2[2_757]	1.91	0.29
1:A:87:PHE:CZ	1:A:147:ILE:CG2[2_757]	1.91	0.29
1:A:89:LEU:CG	1:A:180:VAL:N[2_757]	1.91	0.29
1:A:94:LYS:CB	1:A:143:THR:CA[2_757]	1.91	0.29
1:A:111:GLU:OE1	1:C:6:LYS:CG[2_858]	1.91	0.29
1:A:117:ARG:CD	1:F:44:ASP:CB[2_657]	1.91	0.29
1:A:127:LYS:CG	1:C:354:LEU:CD2[2_858]	1.91	0.29
1:A:128:PRO:C	1:C:7:VAL:CA[2_858]	1.91	0.29
1:A:185:TYR:CG	5:A:1111:HOH:O[2_757]	1.91	0.29
1:A:207:LEU:O	1:C:352:PRO:CB[2_858]	1.91	0.29
1:A:208:ASN:ND2	1:C:355:CYS:CB[2_858]	1.91	0.29
1:A:260:MET:SD	1:C:349:ASP:OD1[2_858]	1.91	0.29
1:A:261:ILE:CA	1:C:69:GLY:CA[2_858]	1.91	0.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:266:GLY:CA	1:C:354:LEU:CD1[2_858]	1.91	0.29
1:A:287:PHE:CD1	1:C:9:GLN:C[2_858]	1.91	0.29
1:A:313:THR:N	1:B:167:PRO:CB[2_757]	1.91	0.29
1:A:315:THR:C	1:B:165:ALA:N[2_757]	1.91	0.29
1:A:326:GLU:CD	1:F:305:PHE:CZ[2_657]	1.91	0.29
1:A:371:GLN:C	1:F:50:ARG:NE[2_657]	1.91	0.29
1:A:381:LEU:CD2	1:F:39:ASP:O[2_657]	1.91	0.29
1:A:385:ASN:CB	1:F:40:LEU:CD2[2_657]	1.91	0.29
1:A:387:GLU:CD	1:F:338:TRP:CD2[2_657]	1.91	0.29
1:A:395:GLU:O	1:F:104:LEU:O[2_657]	1.91	0.29
1:A:398:LEU:O	1:F:103:ILE:CA[2_657]	1.91	0.29
1:A:401:VAL:N	1:F:99:THR:C[2_657]	1.91	0.29
1:A:406:GLN:CG	1:F:141:LYS:O[2_657]	1.91	0.29
1:A:406:GLN:NE2	1:F:141:LYS:C[2_657]	1.91	0.29
1:B:168:GLN:CA	3:A:1101:NDP:N1N[2_757]	1.91	0.29
1:B:5:ILE:CD1	1:C:164:THR:O[2_858]	1.91	0.29
1:B:11:VAL:CG1	1:E:371:GLN:CG[2_757]	1.91	0.29
1:B:22:ILE:CA	1:C:232:VAL:O[2_858]	1.91	0.29
1:B:50:ARG:CZ	1:E:358:ALA:N[2_757]	1.91	0.29
1:B:56:LYS:C	1:E:336:PHE:C[2_757]	1.91	0.29
1:B:56:LYS:O	1:E:332:ILE:O[2_757]	1.91	0.29
1:B:57:ILE:N	1:E:336:PHE:N[2_757]	1.91	0.29
1:B:58:THR:C	1:E:335:ILE:CB[2_757]	1.91	0.29
1:B:58:THR:O	1:E:365:THR:OG1[2_757]	1.91	0.29
1:B:60:ASP:OD1	1:E:333:ALA:CA[2_757]	1.91	0.29
1:B:60:ASP:C	1:E:332:ILE:CG1[2_757]	1.91	0.29
1:B:66:LYS:N	1:E:368:THR:CG2[2_757]	1.91	0.29
1:B:68:TYR:O	1:E:372:ASP:O[2_757]	1.91	0.29
1:B:69:GLY:N	1:E:374:ILE:CA[2_757]	1.91	0.29
1:B:77:ILE:CG1	1:E:352:PRO:O[2_757]	1.91	0.29
1:B:84:VAL:C	1:E:349:ASP:CA[2_757]	1.91	0.29
1:B:94:LYS:CD	1:E:32:ILE:CB[2_757]	1.91	0.29
1:B:98:GLY:C	1:E:31:LEU:CA[2_757]	1.91	0.29
1:B:121:LEU:O	1:C:65:ILE:N[2_858]	1.91	0.29
1:B:122:VAL:O	1:C:63:GLU:N[2_858]	1.91	0.29
1:B:286:GLY:O	1:C:66:LYS:N[2_858]	1.91	0.29
1:B:290:LEU:CD2	1:C:301:ASP:OD2[2_858]	1.91	0.29
1:B:318:TYR:CD1	1:C:237:TYR:CB[2_858]	1.91	0.29
1:B:318:TYR:CD1	1:C:237:TYR:CG[2_858]	1.91	0.29
1:B:321:TYR:CE2	1:C:238:LYS:N[2_858]	1.91	0.29
1:B:331:SER:C	1:C:189:GLU:C[2_858]	1.91	0.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:352:PRO:C	1:C:161:ASP:O[2_858]	1.91	0.29
1:B:357:PHE:CG	1:D:148:PRO:CB[2_858]	1.91	0.29
1:B:359:ASN:N	1:D:150:PRO:O[2_858]	1.91	0.29
1:B:372:ASP:N	1:C:138:ASP:C[2_858]	1.91	0.29
1:B:391:TYR:O	1:C:271:LEU:C[2_858]	1.91	0.29
1:B:393:THR:CG2	1:C:211:LEU:CA[2_858]	1.91	0.29
1:B:396:GLU:OE2	1:C:212:SER:O[2_858]	1.91	0.29
1:B:398:LEU:CG	1:C:228:ILE:CG2[2_858]	1.91	0.29
1:B:402:GLU:N	1:C:224:ARG:CB[2_858]	1.91	0.29
1:B:405:LEU:CG	1:D:147:ILE:CA[2_858]	1.91	0.29
1:B:406:GLN:N	1:D:145:THR:CA[2_858]	1.91	0.29
1:B:409:ILE:O	1:C:168:GLN:CB[2_858]	1.91	0.29
1:C:19:MET:CA	1:C:323:LYS:NZ[2_958]	1.91	0.29
1:C:178:SER:O	1:F:373:GLY:O[2_757]	1.91	0.29
1:C:316:ARG:CD	1:C:322:GLN:O[2_958]	1.91	0.29
1:C:326:GLU:CD	1:C:328:SER:CB[2_958]	1.91	0.29
1:C:388:ARG:CB	1:C:392:VAL:CG1[2_958]	1.91	0.29
1:D:2:PHE:CE2	1:E:100:ILE:C[2_757]	1.91	0.29
1:D:2:PHE:CD2	1:E:100:ILE:C[2_757]	1.91	0.29
1:D:6:LYS:CG	1:E:311:HIS:N[2_757]	1.91	0.29
1:D:7:VAL:CA	1:E:281:ASP:OD2[2_757]	1.91	0.29
1:D:7:VAL:O	1:E:290:LEU:CD2[2_757]	1.91	0.29
1:D:8:LYS:C	1:E:281:ASP:O[2_757]	1.91	0.29
1:D:26:LYS:NZ	1:E:204:ASP:OD1[2_757]	1.91	0.29
1:D:31:LEU:CD1	1:E:201:LEU:CB[2_757]	1.91	0.29
1:D:34:PRO:CB	1:E:296:ILE:C[2_757]	1.91	0.29
1:D:36:LEU:O	1:E:294:THR:O[2_757]	1.91	0.29
1:D:38:VAL:CB	1:E:293:MET:CG[2_757]	1.91	0.29
1:D:43:TYR:CE1	1:E:120:ARG:CZ[2_757]	1.91	0.29
1:D:70:VAL:C	1:E:125:TRP:CG[2_757]	1.91	0.29
1:D:109:PHE:CD2	3:F:1601:NDP:C3B[2_757]	1.91	0.29
1:D:109:PHE:CD2	3:F:1601:NDP:O2B[2_757]	1.91	0.29
1:D:127:LYS:CG	1:F:86:GLU:OE1[2_757]	1.91	0.29
1:D:134:HIS:CG	1:F:377:LYS:CD[2_757]	1.91	0.29
1:D:136:HIS:CA	1:F:381:LEU:CD2[2_757]	1.91	0.29
1:D:189:GLU:CA	1:F:375:MET:CB[2_757]	1.91	0.29
1:D:195:ALA:C	1:F:329:THR:O[2_757]	1.91	0.29
1:D:196:HIS:CD2	1:F:332:ILE:CD1[2_757]	1.91	0.29
1:D:201:LEU:CG	3:F:1601:NDP:PA[2_757]	1.91	0.29
1:D:201:LEU:O	1:F:312:GLY:C[2_757]	1.91	0.29
1:D:202:ALA:CB	1:F:313:THR:C[2_757]	1.91	0.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:211:LEU:CG	1:F:327:THR:C[2_757]	1.91	0.29
1:D:212:SER:C	1:F:326:GLU:CB[2_757]	1.91	0.29
1:D:231:GLU:OE2	1:F:399:ASP:C[2_757]	1.91	0.29
1:D:236:GLN:OE1	1:F:335:ILE:CG1[2_757]	1.91	0.29
1:D:237:TYR:CD1	1:F:331:SER:O[2_757]	1.91	0.29
1:D:241:PHE:N	1:F:74:CYS:CB[2_757]	1.91	0.29
1:D:242:GLU:OE2	1:F:25:ASP:OD2[2_757]	1.91	0.29
1:D:244:LEU:CG	1:F:74:CYS:O[2_757]	1.91	0.29
1:D:248:TYR:C	1:F:22:ILE:CB[2_757]	1.91	0.29
1:D:248:TYR:O	1:F:22:ILE:CG1[2_757]	1.91	0.29
1:D:268:ILE:O	1:F:319:ARG:N[2_757]	1.91	0.29
1:D:302:GLY:O	1:F:284:ALA:C[2_757]	1.91	0.29
1:D:305:PHE:CG	1:E:261:ILE:CB[2_757]	1.91	0.29
1:D:330:ASN:C	1:E:241:PHE:CG[2_757]	1.91	0.29
1:D:334:SER:O	1:E:268:ILE:N[2_757]	1.91	0.29
1:D:339:SER:CB	1:E:269:MET:CA[2_757]	1.91	0.29
1:D:362:GLU:OE2	1:E:211:LEU:C[2_757]	1.91	0.29
1:D:366:LEU:O	1:E:229:PHE:C[2_757]	1.91	0.29
1:D:366:LEU:CB	1:E:229:PHE:CA[2_757]	1.91	0.29
1:D:366:LEU:CD2	1:E:248:TYR:OH[2_757]	1.91	0.29
1:D:406:GLN:CB	1:E:300:PRO:N[2_757]	1.91	0.29
1:D:410:LYS:N	1:E:136:HIS:CB[2_757]	1.91	0.29
1:E:59:GLN:N	1:F:165:ALA:O[2_657]	1.91	0.29
1:E:85:LYS:CA	1:F:225:PHE:O[2_657]	1.91	0.29
1:E:87:PHE:CA	1:F:188:ASP:O[2_657]	1.91	0.29
1:E:91:LYS:C	1:E:146:LEU:CD1[2_657]	1.91	0.29
1:E:93:TRP:N	1:E:146:LEU:CG[2_657]	1.91	0.29
1:E:99:THR:C	1:F:166:GLN:NE2[2_657]	1.91	0.29
1:E:99:THR:CA	1:F:166:GLN:CD[2_657]	1.91	0.29
1:A:10:PRO:CD	1:A:166:GLN:CD[2_757]	1.92	0.28
1:A:14:LEU:CD1	1:A:157:TYR:N[2_757]	1.92	0.28
1:A:18:GLU:N	1:B:158:LYS:C[2_757]	1.92	0.28
1:A:29:LYS:C	1:E:173:TYR:OH[2_657]	1.92	0.28
1:A:34:PRO:CD	1:E:174:ASP:N[2_657]	1.92	0.28
1:A:46:SER:OG	1:A:172:VAL:C[2_757]	1.92	0.28
1:A:47:VAL:CG2	1:A:175:TYR:CZ[2_757]	1.92	0.28
1:A:51:ASP:CA	1:B:185:TYR:CA[2_757]	1.92	0.28
1:A:52:ALA:O	1:B:142:ALA:N[2_757]	1.92	0.28
1:A:53:THR:OG1	1:B:143:THR:N[2_757]	1.92	0.28
1:A:63:GLU:OE1	1:B:179:GLY:O[2_757]	1.92	0.28
1:A:68:TYR:O	1:A:165:ALA:CA[2_757]	1.92	0.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:71:GLY:O	1:A:158:LYS:CA[2_757]	1.92	0.28
1:A:80:ASP:CG	1:A:146:LEU:CD2[2_757]	1.92	0.28
1:A:88:ASN:OD1	1:B:190:SER:CB[2_757]	1.92	0.28
1:A:92:MET:N	1:B:221:TYR:CD2[2_757]	1.92	0.28
1:A:94:LYS:CD	1:A:142:ALA:CA[2_757]	1.92	0.28
1:A:95:SER:O	1:A:143:THR:CG2[2_757]	1.92	0.28
1:A:95:SER:CA	1:A:143:THR:CB[2_757]	1.92	0.28
1:A:97:ASN:N	1:B:170:LEU:O[2_757]	1.92	0.28
1:A:97:ASN:OD1	1:B:170:LEU:O[2_757]	1.92	0.28
1:A:98:GLY:N	1:B:171:LYS:C[2_757]	1.92	0.28
1:A:103:ILE:CG1	1:A:185:TYR:CD1[2_757]	1.92	0.28
1:A:103:ILE:N	1:B:173:TYR:CD2[2_757]	1.92	0.28
1:A:111:GLU:OE2	1:C:6:LYS:CB[2_858]	1.92	0.28
1:A:121:LEU:CD1	1:C:68:TYR:OH[2_858]	1.92	0.28
1:A:124:ARG:NH2	1:C:306:GLU:C[2_858]	1.92	0.28
1:A:208:ASN:O	1:C:352:PRO:CD[2_858]	1.92	0.28
1:A:216:THR:CA	1:E:6:LYS:N[2_757]	1.92	0.28
1:A:218:LEU:CA	1:E:37:ASP:OD1[2_757]	1.92	0.28
1:A:219:LYS:CE	1:E:7:VAL:CG2[2_757]	1.92	0.28
1:A:258:ALA:O	1:C:303:LYS:C[2_858]	1.92	0.28
1:A:262:LYS:CD	1:C:305:PHE:CD1[2_858]	1.92	0.28
1:A:263:SER:OG	1:C:344:LYS:O[2_858]	1.92	0.28
1:A:286:GLY:O	1:C:10:PRO:CB[2_858]	1.92	0.28
1:A:287:PHE:O	1:C:39:ASP:C[2_858]	1.92	0.28
1:A:308:GLU:OE1	1:B:154:GLU:OE2[2_757]	1.92	0.28
1:A:315:THR:O	1:B:165:ALA:N[2_757]	1.92	0.28
1:A:317:HIS:O	1:B:161:ASP:CA[2_757]	1.92	0.28
1:A:326:GLU:OE1	1:F:305:PHE:CZ[2_657]	1.92	0.28
1:A:377:LYS:CG	1:F:68:TYR:CB[2_657]	1.92	0.28
1:A:383:CYS:CB	1:F:42:TYR:CB[2_657]	1.92	0.28
1:A:387:GLU:CB	1:F:72:ILE:CD1[2_657]	1.92	0.28
1:A:390:ALA:CB	1:F:12:VAL:O[2_657]	1.92	0.28
1:A:396:GLU:OE1	1:F:298:VAL:N[2_657]	1.92	0.28
1:A:396:GLU:CG	1:F:297:LEU:CD2[2_657]	1.92	0.28
1:A:398:LEU:N	1:F:103:ILE:CB[2_657]	1.92	0.28
1:A:399:ASP:N	1:F:102:ASN:O[2_657]	1.92	0.28
1:B:168:GLN:CB	3:A:1101:NDP:N1N[2_757]	1.92	0.28
1:B:22:ILE:CG1	1:C:233:TYR:O[2_858]	1.92	0.28
1:B:50:ARG:NH2	1:E:359:ASN:N[2_757]	1.92	0.28
1:B:57:ILE:N	1:E:336:PHE:C[2_757]	1.92	0.28
1:B:57:ILE:N	1:E:336:PHE:CG[2_757]	1.92	0.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:58:THR:CG2	1:E:361:LEU:CD1[2_757]	1.92	0.28
1:B:59:GLN:CD	1:E:27:ILE:CG1[2_757]	1.92	0.28
1:B:60:ASP:CB	1:E:332:ILE:C[2_757]	1.92	0.28
1:B:63:GLU:OE1	1:E:331:SER:CA[2_757]	1.92	0.28
1:B:65:ILE:CG2	1:E:368:THR:OG1[2_757]	1.92	0.28
1:B:68:TYR:N	1:E:375:MET:N[2_757]	1.92	0.28
1:B:79:PRO:CG	1:E:354:LEU:CD1[2_757]	1.92	0.28
1:B:88:ASN:C	1:E:348:LEU:CG[2_757]	1.92	0.28
1:B:91:LYS:N	1:E:70:VAL:CG1[2_757]	1.92	0.28
1:B:92:MET:SD	1:E:7:VAL:CB[2_757]	1.92	0.28
1:B:99:THR:O	1:E:31:LEU:CD1[2_757]	1.92	0.28
1:B:110:ARG:CD	1:E:410:LYS:CE[2_757]	1.92	0.28
1:B:121:LEU:CD2	1:C:305:PHE:O[2_858]	1.92	0.28
1:B:123:PRO:CG	1:C:61:ALA:CA[2_858]	1.92	0.28
1:B:140:TYR:CD2	1:E:34:PRO:O[2_757]	1.92	0.28
1:B:141:LYS:CD	1:E:29:LYS:O[2_757]	1.92	0.28
1:B:277:ASP:OD1	1:E:2:PHE:CE2[2_757]	1.92	0.28
1:B:306:GLU:OE1	1:E:405:LEU:N[2_757]	1.92	0.28
1:B:321:TYR:OH	1:C:233:TYR:CE2[2_858]	1.92	0.28
1:B:352:PRO:O	1:C:161:ASP:CA[2_858]	1.92	0.28
1:B:353:ALA:CA	1:C:163:THR:CA[2_858]	1.92	0.28
1:B:354:LEU:CG	1:C:164:THR:OG1[2_858]	1.92	0.28
1:B:359:ASN:CB	1:D:150:PRO:CA[2_858]	1.92	0.28
1:B:367:ASN:ND2	1:D:173:TYR:CB[2_858]	1.92	0.28
1:B:370:GLN:O	1:C:142:ALA:N[2_858]	1.92	0.28
1:B:377:LYS:C	1:C:107:THR:CG2[2_858]	1.92	0.28
1:B:388:ARG:NH2	1:C:270:ALA:O[2_858]	1.92	0.28
1:B:399:ASP:OD2	1:C:226:LYS:CA[2_858]	1.92	0.28
1:B:404:ARG:O	1:D:145:THR:O[2_858]	1.92	0.28
1:C:19:MET:CG	1:C:325:GLU:OE2[2_958]	1.92	0.28
1:C:388:ARG:CA	1:C:396:GLU:OE2[2_958]	1.92	0.28
1:D:12:VAL:CA	1:E:287:PHE:CD2[2_757]	1.92	0.28
1:D:12:VAL:N	1:E:287:PHE:CG[2_757]	1.92	0.28
1:D:34:PRO:CA	1:E:296:ILE:CB[2_757]	1.92	0.28
1:D:38:VAL:C	1:E:293:MET:CA[2_757]	1.92	0.28
1:D:68:TYR:CD1	1:E:120:ARG:CB[2_757]	1.92	0.28
1:D:71:GLY:N	1:E:125:TRP:CG[2_757]	1.92	0.28
1:D:85:LYS:CD	1:D:87:PHE:CD1[2_858]	1.92	0.28
1:D:85:LYS:C	1:D:85:LYS:CB[2_858]	1.92	0.28
1:D:102:ASN:O	1:F:384:GLY:N[2_757]	1.92	0.28
1:D:113:ILE:CG1	1:E:249:GLU:N[2_757]	1.92	0.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:191:ILE:CD1	1:F:391:TYR:CA[2_757]	1.92	0.28
1:D:194:PHE:CA	1:F:378:ASP:OD1[2_757]	1.92	0.28
1:D:194:PHE:CB	1:F:377:LYS:CA[2_757]	1.92	0.28
1:D:203:ILE:N	1:F:312:GLY:C[2_757]	1.92	0.28
1:D:203:ILE:CG2	1:F:75:ALA:N[2_757]	1.92	0.28
1:D:204:ASP:O	3:F:1601:NDP:C1D[2_757]	1.92	0.28
1:D:224:ARG:N	1:F:396:GLU:OE1[2_757]	1.92	0.28
1:D:225:PHE:N	1:F:396:GLU:CD[2_757]	1.92	0.28
1:D:228:ILE:CG2	1:F:397:PHE:CG[2_757]	1.92	0.28
1:D:236:GLN:CG	1:F:335:ILE:CA[2_757]	1.92	0.28
1:D:240:LYS:C	1:F:74:CYS:SG[2_757]	1.92	0.28
1:D:240:LYS:N	1:F:24:TRP:CH2[2_757]	1.92	0.28
1:D:241:PHE:O	1:F:16:GLY:N[2_757]	1.92	0.28
1:D:253:ILE:CD1	1:F:325:GLU:CG[2_757]	1.92	0.28
1:D:303:LYS:NZ	1:F:287:PHE:CZ[2_757]	1.92	0.28
1:D:303:LYS:CE	1:F:287:PHE:CD1[2_757]	1.92	0.28
1:D:305:PHE:O	1:E:260:MET:O[2_757]	1.92	0.28
1:D:328:SER:C	1:E:243:GLN:CB[2_757]	1.92	0.28
1:D:335:ILE:CG1	1:E:202:ALA:CB[2_757]	1.92	0.28
1:D:353:ALA:CA	1:E:277:ASP:CB[2_757]	1.92	0.28
1:D:356:LYS:CG	5:E:1505:HOH:O[2_757]	1.92	0.28
1:D:364:ALA:O	1:E:195:ALA:C[2_757]	1.92	0.28
1:D:397:PHE:O	1:E:237:TYR:CE2[2_757]	1.92	0.28
1:E:246:ILE:CA	5:D:1409:HOH:O[2_757]	1.92	0.28
1:E:251:ARG:CZ	5:D:1425:HOH:O[2_757]	1.92	0.28
1:E:45:LEU:CG	1:F:164:THR:CB[2_657]	1.92	0.28
1:E:55:ASP:N	1:F:157:TYR:CE2[2_657]	1.92	0.28
1:E:55:ASP:N	1:F:157:TYR:CE1[2_657]	1.92	0.28
1:E:56:LYS:CD	1:F:158:LYS:CB[2_657]	1.92	0.28
1:E:60:ASP:N	1:F:162:PRO:CA[2_657]	1.92	0.28
1:E:61:ALA:N	1:F:161:ASP:CA[2_657]	1.92	0.28
1:E:81:GLU:O	1:F:227:ASP:CG[2_657]	1.92	0.28
1:E:87:PHE:N	1:F:228:ILE:CG1[2_657]	1.92	0.28
1:A:2:PHE:CZ	1:E:170:LEU:CD1[2_657]	1.93	0.27
1:A:2:PHE:CD1	1:E:155:LEU:CG[2_657]	1.93	0.27
1:A:4:LYS:CB	1:E:154:GLU:CG[2_657]	1.93	0.27
1:A:11:VAL:CG1	1:A:167:PRO:CD[2_757]	1.93	0.27
1:A:12:VAL:CG1	1:A:168:GLN:CB[2_757]	1.93	0.27
1:A:17:ASP:CB	1:B:157:TYR:CD1[2_757]	1.93	0.27
1:A:33:LEU:C	1:E:174:ASP:C[2_657]	1.93	0.27
1:A:51:ASP:OD2	1:B:185:TYR:C[2_757]	1.93	0.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:60:ASP:OD2	1:B:144:ASP:CA[2_757]	1.93	0.27
1:A:65:ILE:CD1	1:B:152:SER:O[2_757]	1.93	0.27
1:A:76:THR:N	1:B:168:GLN:O[2_757]	1.93	0.27
1:A:83:ARG:CG	1:A:146:LEU:CB[2_757]	1.93	0.27
1:A:88:ASN:CG	1:B:190:SER:CB[2_757]	1.93	0.27
1:A:88:ASN:N	1:B:187:THR:O[2_757]	1.93	0.27
1:A:88:ASN:OD1	1:B:190:SER:C[2_757]	1.93	0.27
1:A:97:ASN:N	1:B:172:VAL:CG2[2_757]	1.93	0.27
1:A:112:PRO:CD	1:C:7:VAL:C[2_858]	1.93	0.27
1:A:128:PRO:CD	1:C:36:LEU:CD2[2_858]	1.93	0.27
1:A:129:ILE:CG2	1:C:349:ASP:CB[2_858]	1.93	0.27
1:A:160:SER:CB	1:A:304:THR:O[2_757]	1.93	0.27
1:A:162:PRO:O	1:A:345:ARG:CD[2_757]	1.93	0.27
1:A:326:GLU:OE1	1:F:305:PHE:CG[2_657]	1.93	0.27
1:A:381:LEU:O	1:F:40:LEU:C[2_657]	1.93	0.27
1:A:391:TYR:O	1:F:305:PHE:O[2_657]	1.93	0.27
1:A:400:ALA:C	1:F:98:GLY:O[2_657]	1.93	0.27
1:B:169:THR:CB	3:A:1101:NDP:N7N[2_757]	1.93	0.27
1:B:168:GLN:CB	3:A:1101:NDP:O4D[2_757]	1.93	0.27
1:F:67:LYS:CG	3:A:1101:NDP:N3A[2_657]	1.93	0.27
1:E:153:LEU:CB	5:A:1125:HOH:O[2_657]	1.93	0.27
1:B:10:PRO:CD	1:E:117:ARG:CD[2_757]	1.93	0.27
1:B:12:VAL:CA	1:E:370:GLN:CB[2_757]	1.93	0.27
1:B:26:LYS:CG	1:C:231:GLU:CB[2_858]	1.93	0.27
1:B:52:ALA:O	1:E:296:ILE:CB[2_757]	1.93	0.27
1:B:56:LYS:CB	1:E:333:ALA:O[2_757]	1.93	0.27
1:B:60:ASP:OD2	1:E:333:ALA:CA[2_757]	1.93	0.27
1:B:63:GLU:CD	1:E:331:SER:N[2_757]	1.93	0.27
1:B:65:ILE:O	1:E:374:ILE:CB[2_757]	1.93	0.27
1:B:65:ILE:N	1:E:368:THR:CB[2_757]	1.93	0.27
1:B:66:LYS:NZ	1:E:395:GLU:C[2_757]	1.93	0.27
1:B:78:THR:OG1	1:E:5:ILE:CD1[2_757]	1.93	0.27
1:B:83:ARG:O	1:E:346:GLY:C[2_757]	1.93	0.27
1:B:90:HIS:CB	1:E:70:VAL:CG2[2_757]	1.93	0.27
1:B:115:ILE:O	1:C:102:ASN:OD1[2_858]	1.93	0.27
1:B:122:VAL:CG1	1:C:63:GLU:O[2_858]	1.93	0.27
1:B:141:LYS:CE	1:E:28:LYS:C[2_757]	1.93	0.27
1:B:290:LEU:CD2	1:C:301:ASP:CG[2_858]	1.93	0.27
1:B:318:TYR:CE1	1:C:236:GLN:O[2_858]	1.93	0.27
1:B:318:TYR:CG	1:C:237:TYR:CD2[2_858]	1.93	0.27
1:B:323:LYS:C	1:C:246:ILE:CG1[2_858]	1.93	0.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:323:LYS:O	1:C:246:ILE:CA[2_858]	1.93	0.27
1:B:323:LYS:CG	1:C:246:ILE:CG1[2_858]	1.93	0.27
1:B:335:ILE:CD1	1:C:188:ASP:O[2_858]	1.93	0.27
1:B:361:LEU:CB	1:D:178:SER:N[2_858]	1.93	0.27
1:B:363:SER:C	1:D:175:TYR:CD2[2_858]	1.93	0.27
1:B:364:ALA:O	1:C:186:ASN:N[2_858]	1.93	0.27
1:B:369:VAL:CA	1:C:137:GLY:C[2_858]	1.93	0.27
1:B:377:LYS:O	1:C:108:VAL:CA[2_858]	1.93	0.27
1:B:379:LEU:N	1:C:107:THR:N[2_858]	1.93	0.27
1:B:390:ALA:O	1:C:273:ASN:O[2_858]	1.93	0.27
1:B:395:GLU:OE2	1:C:248:TYR:CZ[2_858]	1.93	0.27
1:B:399:ASP:CG	1:C:222:ASP:O[2_858]	1.93	0.27
1:B:403:LYS:CG	1:D:144:ASP:CG[2_858]	1.93	0.27
1:B:411:SER:C	1:C:168:GLN:CA[2_858]	1.93	0.27
1:C:315:THR:N	1:C:323:LYS:CB[2_958]	1.93	0.27
1:C:321:TYR:C	5:C:1339:HOH:O[2_958]	1.93	0.27
1:C:321:TYR:O	5:C:1319:HOH:O[2_958]	1.93	0.27
1:D:8:LYS:CD	1:F:258:ALA:CA[2_757]	1.93	0.27
1:D:8:LYS:NZ	1:F:257:VAL:N[2_757]	1.93	0.27
1:D:9:GLN:CG	1:F:261:ILE:CB[2_757]	1.93	0.27
1:D:11:VAL:C	1:E:287:PHE:CD2[2_757]	1.93	0.27
1:D:23:ILE:O	1:E:206:LYS:N[2_757]	1.93	0.27
1:D:24:TRP:O	1:E:205:LYS:CB[2_757]	1.93	0.27
1:D:34:PRO:C	1:E:296:ILE:CA[2_757]	1.93	0.27
1:D:35:TYR:OH	1:E:107:THR:O[2_757]	1.93	0.27
1:D:35:TYR:CB	1:E:108:VAL:O[2_757]	1.93	0.27
1:D:35:TYR:N	1:E:109:PHE:N[2_757]	1.93	0.27
1:D:36:LEU:C	1:E:110:ARG:CG[2_757]	1.93	0.27
1:D:40:LEU:O	1:E:113:ILE:C[2_757]	1.93	0.27
1:D:68:TYR:CD2	1:E:121:LEU:N[2_757]	1.93	0.27
1:D:74:CYS:N	1:E:127:LYS:CD[2_757]	1.93	0.27
1:D:113:ILE:CG2	1:E:249:GLU:CA[2_757]	1.93	0.27
1:D:138:ASP:CB	1:F:388:ARG:CB[2_757]	1.93	0.27
1:D:206:LYS:CB	1:F:76:THR:O[2_757]	1.93	0.27
1:D:210:PHE:O	1:F:327:THR:OG1[2_757]	1.93	0.27
1:D:212:SER:OG	1:F:325:GLU:O[2_757]	1.93	0.27
1:D:224:ARG:O	1:F:396:GLU:OE2[2_757]	1.93	0.27
1:D:225:PHE:CG	5:F:1639:HOH:O[2_757]	1.93	0.27
1:D:231:GLU:C	1:F:398:LEU:CD2[2_757]	1.93	0.27
1:D:233:TYR:CB	1:F:398:LEU:CD1[2_757]	1.93	0.27
1:D:266:GLY:O	1:F:319:ARG:NH1[2_757]	1.93	0.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:268:ILE:C	1:F:319:ARG:N[2_757]	1.93	0.27
1:D:306:GLU:CA	1:E:263:SER:OG[2_757]	1.93	0.27
1:D:331:SER:N	1:E:241:PHE:CD1[2_757]	1.93	0.27
1:D:336:PHE:CD1	1:E:209:LEU:C[2_757]	1.93	0.27
1:D:338:TRP:CB	1:E:269:MET:N[2_757]	1.93	0.27
1:D:352:PRO:O	1:E:274:TYR:CD2[2_757]	1.93	0.27
1:D:356:LYS:CE	1:E:139:GLN:OE1[2_757]	1.93	0.27
1:D:360:ILE:CG1	5:E:1520:HOH:O[2_757]	1.93	0.27
1:D:362:GLU:CD	1:E:211:LEU:O[2_757]	1.93	0.27
1:D:394:THR:C	1:E:203:ILE:CG2[2_757]	1.93	0.27
1:D:401:VAL:CG1	1:E:198:SER:N[2_757]	1.93	0.27
1:E:242:GLU:CA	3:D:1401:NDP:N1A[2_757]	1.93	0.27
1:E:14:LEU:CD1	1:F:164:THR:OG1[2_657]	1.93	0.27
1:E:58:THR:CA	1:F:165:ALA:CA[2_657]	1.93	0.27
1:E:80:ASP:O	1:F:227:ASP:OD2[2_657]	1.93	0.27
1:E:91:LYS:CA	1:E:145:THR:C[2_657]	1.93	0.27
1:A:2:PHE:C	1:E:155:LEU:CB[2_657]	1.94	0.26
1:A:12:VAL:O	1:A:168:GLN:N[2_757]	1.94	0.26
1:A:44:ASP:CG	1:A:171:LYS:CB[2_757]	1.94	0.26
1:A:59:GLN:CA	1:B:181:ALA:C[2_757]	1.94	0.26
1:A:65:ILE:CG1	1:A:157:TYR:CE1[2_757]	1.94	0.26
1:A:67:LYS:CA	1:B:148:PRO:CA[2_757]	1.94	0.26
1:A:71:GLY:CA	1:A:158:LYS:N[2_757]	1.94	0.26
1:A:73:LYS:NZ	1:B:155:LEU:C[2_757]	1.94	0.26
1:A:76:THR:CA	1:B:157:TYR:N[2_757]	1.94	0.26
1:A:76:THR:CB	1:B:155:LEU:O[2_757]	1.94	0.26
1:A:78:THR:CB	1:A:145:THR:CB[2_757]	1.94	0.26
1:A:78:THR:OG1	1:B:170:LEU:CG[2_757]	1.94	0.26
1:A:84:VAL:CA	1:A:180:VAL:CG1[2_757]	1.94	0.26
1:A:102:ASN:CA	1:B:173:TYR:CD1[2_757]	1.94	0.26
1:A:117:ARG:CZ	1:F:46:SER:N[2_657]	1.94	0.26
1:A:123:PRO:N	1:C:12:VAL:N[2_858]	1.94	0.26
1:A:123:PRO:N	1:C:12:VAL:CG1[2_858]	1.94	0.26
1:A:124:ARG:CZ	1:C:306:GLU:CA[2_858]	1.94	0.26
1:A:124:ARG:O	1:C:72:ILE:CD1[2_858]	1.94	0.26
1:A:125:TRP:NE1	1:C:345:ARG:CD[2_858]	1.94	0.26
1:A:149:GLY:CA	1:A:319:ARG:NH2[2_757]	1.94	0.26
1:A:214:LYS:CG	1:E:3:SER:C[2_757]	1.94	0.26
1:A:267:PHE:CE2	1:C:345:ARG:O[2_858]	1.94	0.26
1:A:268:ILE:N	1:C:352:PRO:N[2_858]	1.94	0.26
1:A:288:GLY:N	1:C:39:ASP:OD1[2_858]	1.94	0.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:319:ARG:N	1:B:161:ASP:C[2_757]	1.94	0.26
1:A:366:LEU:CB	1:F:56:LYS:N[2_657]	1.94	0.26
1:A:370:GLN:CG	1:F:53:THR:CG2[2_657]	1.94	0.26
1:A:375:MET:CB	1:F:61:ALA:CB[2_657]	1.94	0.26
1:A:376:THR:O	1:F:12:VAL:CG2[2_657]	1.94	0.26
1:A:380:ALA:O	1:F:41:LYS:CA[2_657]	1.94	0.26
1:A:387:GLU:O	1:F:11:VAL:CG1[2_657]	1.94	0.26
1:A:389:SER:C	1:F:72:ILE:CG1[2_657]	1.94	0.26
1:A:391:TYR:C	1:F:71:GLY:CA[2_657]	1.94	0.26
1:A:391:TYR:CE2	1:F:70:VAL:O[2_657]	1.94	0.26
1:A:404:ARG:CZ	5:F:1608:HOH:O[2_657]	1.94	0.26
1:B:10:PRO:CB	1:E:117:ARG:CB[2_757]	1.94	0.26
1:B:18:GLU:O	1:C:236:GLN:N[2_858]	1.94	0.26
1:B:26:LYS:CA	1:C:231:GLU:CB[2_858]	1.94	0.26
1:B:57:ILE:CA	1:E:336:PHE:CD2[2_757]	1.94	0.26
1:B:59:GLN:C	1:E:335:ILE:CB[2_757]	1.94	0.26
1:B:61:ALA:O	1:E:365:THR:C[2_757]	1.94	0.26
1:B:78:THR:CA	1:E:353:ALA:O[2_757]	1.94	0.26
1:B:102:ASN:ND2	1:E:30:LYS:N[2_757]	1.94	0.26
1:B:107:THR:O	1:E:407:LYS:NZ[2_757]	1.94	0.26
1:B:119:PRO:CA	1:C:100:ILE:O[2_858]	1.94	0.26
1:B:119:PRO:CD	1:C:101:ARG:CA[2_858]	1.94	0.26
1:B:123:PRO:N	1:C:61:ALA:C[2_858]	1.94	0.26
1:B:285:GLN:NE2	1:C:304:THR:O[2_858]	1.94	0.26
1:B:297:LEU:CB	1:E:403:LYS:C[2_757]	1.94	0.26
1:B:320:LYS:C	1:C:241:PHE:CZ[2_858]	1.94	0.26
1:B:320:LYS:N	1:C:203:ILE:CA[2_858]	1.94	0.26
1:B:322:GLN:CA	1:C:241:PHE:N[2_858]	1.94	0.26
1:B:329:THR:OG1	1:C:197:SER:N[2_858]	1.94	0.26
1:B:364:ALA:N	1:D:175:TYR:CE1[2_858]	1.94	0.26
1:B:367:ASN:CA	1:C:185:TYR:CE1[2_858]	1.94	0.26
1:B:370:GLN:OE1	1:C:141:LYS:CB[2_858]	1.94	0.26
1:B:374:ILE:CG2	1:C:138:ASP:OD2[2_858]	1.94	0.26
1:B:375:MET:CA	1:C:134:HIS:ND1[2_858]	1.94	0.26
1:B:391:TYR:CD2	1:C:132:GLY:C[2_858]	1.94	0.26
1:B:392:VAL:CA	1:C:271:LEU:CA[2_858]	1.94	0.26
1:B:393:THR:C	1:C:229:PHE:CE1[2_858]	1.94	0.26
1:B:395:GLU:CA	1:C:225:PHE:O[2_858]	1.94	0.26
1:B:397:PHE:C	1:C:225:PHE:CD2[2_858]	1.94	0.26
1:B:398:LEU:CB	1:C:224:ARG:O[2_858]	1.94	0.26
1:B:400:ALA:O	1:D:180:VAL:CG2[2_858]	1.94	0.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:406:GLN:OE1	1:C:220:LYS:CD[2_858]	1.94	0.26
1:B:406:GLN:CD	1:C:220:LYS:CB[2_858]	1.94	0.26
1:B:406:GLN:N	1:D:146:LEU:CA[2_858]	1.94	0.26
1:B:407:LYS:CE	1:D:144:ASP:C[2_858]	1.94	0.26
1:B:409:ILE:CG2	1:C:168:GLN:CD[2_858]	1.94	0.26
1:C:134:HIS:CD2	5:B:1221:HOH:O[2_858]	1.94	0.26
1:D:2:PHE:CG	1:E:100:ILE:CA[2_757]	1.94	0.26
1:D:9:GLN:C	1:E:284:ALA:C[2_757]	1.94	0.26
1:D:31:LEU:CA	1:E:109:PHE:CD2[2_757]	1.94	0.26
1:D:37:ASP:OD2	1:E:310:ALA:N[2_757]	1.94	0.26
1:D:39:ASP:N	1:E:293:MET:CB[2_757]	1.94	0.26
1:D:41:LYS:CD	1:E:287:PHE:O[2_757]	1.94	0.26
1:D:106:GLY:CA	1:F:378:ASP:O[2_757]	1.94	0.26
1:D:126:GLU:CD	1:F:85:LYS:CG[2_757]	1.94	0.26
1:D:137:GLY:CA	1:F:387:GLU:C[2_757]	1.94	0.26
1:D:186:ASN:CG	1:F:390:ALA:N[2_757]	1.94	0.26
1:D:208:ASN:CB	1:F:318:TYR:CE2[2_757]	1.94	0.26
1:D:227:ASP:N	1:F:396:GLU:N[2_757]	1.94	0.26
1:D:228:ILE:O	1:F:397:PHE:CA[2_757]	1.94	0.26
1:D:229:PHE:CA	1:F:394:THR:CA[2_757]	1.94	0.26
1:D:229:PHE:CB	1:F:394:THR:O[2_757]	1.94	0.26
1:D:236:GLN:C	1:F:334:SER:C[2_757]	1.94	0.26
1:D:241:PHE:CE1	1:F:20:THR:C[2_757]	1.94	0.26
1:D:242:GLU:OE1	5:F:1636:HOH:O[2_757]	1.94	0.26
1:D:299:THR:CG2	1:F:121:LEU:CD2[2_757]	1.94	0.26
1:D:332:ILE:N	1:E:241:PHE:CD2[2_757]	1.94	0.26
1:D:334:SER:N	1:E:208:ASN:CB[2_757]	1.94	0.26
1:D:340:ARG:CA	1:E:256:MET:SD[2_757]	1.94	0.26
1:D:345:ARG:NH2	1:F:261:ILE:CD1[2_757]	1.94	0.26
1:D:351:THR:CA	1:E:278:VAL:CG2[2_757]	1.94	0.26
1:D:352:PRO:CG	1:E:274:TYR:CE1[2_757]	1.94	0.26
1:D:353:ALA:N	1:E:274:TYR:O[2_757]	1.94	0.26
1:D:353:ALA:O	1:E:274:TYR:O[2_757]	1.94	0.26
1:D:354:LEU:CG	1:E:279:GLN:C[2_757]	1.94	0.26
1:D:355:CYS:CB	1:E:275:ASP:CA[2_757]	1.94	0.26
1:D:364:ALA:N	1:E:229:PHE:CD1[2_757]	1.94	0.26
1:D:398:LEU:CA	1:E:200:LYS:C[2_757]	1.94	0.26
1:D:400:ALA:CB	1:E:200:LYS:NZ[2_757]	1.94	0.26
1:D:408:GLU:CB	1:E:190:SER:O[2_757]	1.94	0.26
1:E:48:GLU:N	1:E:178:SER:N[2_657]	1.94	0.26
1:E:58:THR:O	1:F:165:ALA:O[2_657]	1.94	0.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:60:ASP:OD2	1:F:159:PRO:C[2_657]	1.94	0.26
1:E:60:ASP:N	1:F:162:PRO:CD[2_657]	1.94	0.26
1:E:82:ALA:O	1:F:228:ILE:CA[2_657]	1.94	0.26
1:E:88:ASN:CB	1:F:191:ILE:CD1[2_657]	1.94	0.26
1:E:91:LYS:N	1:E:145:THR:O[2_657]	1.94	0.26
1:A:18:GLU:CB	1:B:158:LYS:C[2_757]	1.95	0.25
1:A:21:ARG:CB	1:A:152:SER:CB[2_757]	1.95	0.25
1:A:33:LEU:CA	1:E:174:ASP:CA[2_657]	1.95	0.25
1:A:43:TYR:O	1:A:170:LEU:O[2_757]	1.95	0.25
1:A:44:ASP:N	1:A:171:LYS:N[2_757]	1.95	0.25
1:A:45:LEU:N	1:A:170:LEU:O[2_757]	1.95	0.25
1:A:49:SER:OG	1:A:172:VAL:CA[2_757]	1.95	0.25
1:A:50:ARG:CD	1:B:155:LEU:CD2[2_757]	1.95	0.25
1:A:63:GLU:O	1:B:147:ILE:CB[2_757]	1.95	0.25
1:A:63:GLU:O	1:B:148:PRO:N[2_757]	1.95	0.25
1:A:65:ILE:CD1	1:A:157:TYR:CA[2_757]	1.95	0.25
1:A:79:PRO:CA	1:A:145:THR:CA[2_757]	1.95	0.25
1:A:79:PRO:CD	1:A:145:THR:N[2_757]	1.95	0.25
1:A:79:PRO:C	1:A:146:LEU:N[2_757]	1.95	0.25
1:A:83:ARG:CG	1:A:146:LEU:O[2_757]	1.95	0.25
1:A:87:PHE:C	1:B:187:THR:N[2_757]	1.95	0.25
1:A:88:ASN:CG	1:B:191:ILE:N[2_757]	1.95	0.25
1:A:88:ASN:O	1:B:187:THR:N[2_757]	1.95	0.25
1:A:89:LEU:CD1	1:A:180:VAL:CG2[2_757]	1.95	0.25
1:A:95:SER:N	1:A:144:ASP:N[2_757]	1.95	0.25
1:A:96:PRO:C	1:B:172:VAL:CB[2_757]	1.95	0.25
1:A:97:ASN:CG	1:B:171:LYS:N[2_757]	1.95	0.25
1:A:98:GLY:CA	1:B:171:LYS:O[2_757]	1.95	0.25
1:A:102:ASN:O	1:B:173:TYR:CD1[2_757]	1.95	0.25
1:A:120:ARG:CZ	1:C:40:LEU:CD2[2_858]	1.95	0.25
1:A:121:LEU:O	1:C:12:VAL:CG2[2_858]	1.95	0.25
1:A:214:LYS:CE	1:E:4:LYS:N[2_757]	1.95	0.25
1:A:217:ILE:CB	1:E:4:LYS:CD[2_757]	1.95	0.25
1:A:218:LEU:C	1:E:37:ASP:OD2[2_757]	1.95	0.25
1:A:262:LYS:CA	1:C:69:GLY:O[2_858]	1.95	0.25
1:A:264:LYS:CD	1:C:338:TRP:O[2_858]	1.95	0.25
1:A:267:PHE:CD2	1:C:345:ARG:C[2_858]	1.95	0.25
1:A:287:PHE:CZ	1:C:9:GLN:O[2_858]	1.95	0.25
1:A:304:THR:CG2	1:B:150:PRO:O[2_757]	1.95	0.25
1:A:325:GLU:O	1:F:303:LYS:CB[2_657]	1.95	0.25
1:A:366:LEU:CA	1:F:55:ASP:O[2_657]	1.95	0.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:375:MET:C	1:F:61:ALA:O[2_657]	1.95	0.25
1:A:379:LEU:CG	1:F:43:TYR:CZ[2_657]	1.95	0.25
1:A:381:LEU:O	1:F:40:LEU:O[2_657]	1.95	0.25
1:A:384:GLY:CA	1:F:40:LEU:C[2_657]	1.95	0.25
1:A:389:SER:OG	1:F:337:ALA:O[2_657]	1.95	0.25
1:A:391:TYR:CD1	1:F:70:VAL:O[2_657]	1.95	0.25
1:A:400:ALA:C	1:F:99:THR:CA[2_657]	1.95	0.25
1:A:406:GLN:OE1	1:F:141:LYS:CB[2_657]	1.95	0.25
1:A:408:GLU:N	1:F:94:LYS:CE[2_657]	1.95	0.25
1:B:190:SER:N	5:A:1129:HOH:O[2_757]	1.95	0.25
1:B:12:VAL:CG1	1:E:366:LEU:CA[2_757]	1.95	0.25
1:B:14:LEU:C	1:E:363:SER:CB[2_757]	1.95	0.25
1:B:19:MET:SD	1:C:237:TYR:CE1[2_858]	1.95	0.25
1:B:51:ASP:OD2	1:E:344:LYS:CA[2_757]	1.95	0.25
1:B:51:ASP:CA	1:E:340:ARG:C[2_757]	1.95	0.25
1:B:51:ASP:CB	1:E:344:LYS:N[2_757]	1.95	0.25
1:B:60:ASP:CA	1:E:332:ILE:C[2_757]	1.95	0.25
1:B:92:MET:SD	1:E:8:LYS:N[2_757]	1.95	0.25
1:B:104:LEU:O	1:E:399:ASP:CB[2_757]	1.95	0.25
1:B:104:LEU:CG	1:E:401:VAL:CA[2_757]	1.95	0.25
1:B:115:ILE:O	1:C:102:ASN:O[2_858]	1.95	0.25
1:B:125:TRP:O	1:C:63:GLU:CB[2_858]	1.95	0.25
1:B:297:LEU:CA	1:E:407:LYS:CD[2_757]	1.95	0.25
1:B:297:LEU:CA	1:E:407:LYS:NZ[2_757]	1.95	0.25
1:B:321:TYR:C	1:C:241:PHE:CZ[2_858]	1.95	0.25
1:B:326:GLU:CD	1:C:268:ILE:C[2_858]	1.95	0.25
1:B:329:THR:O	1:C:194:PHE:N[2_858]	1.95	0.25
1:B:357:PHE:C	1:D:149:GLY:N[2_858]	1.95	0.25
1:B:357:PHE:CB	1:C:165:ALA:CB[2_858]	1.95	0.25
1:B:359:ASN:N	1:D:150:PRO:CD[2_858]	1.95	0.25
1:B:359:ASN:CB	1:D:150:PRO:O[2_858]	1.95	0.25
1:B:363:SER:O	1:D:173:TYR:CD2[2_858]	1.95	0.25
1:B:368:THR:CB	1:C:186:ASN:N[2_858]	1.95	0.25
1:B:374:ILE:CB	1:C:138:ASP:OD1[2_858]	1.95	0.25
1:B:392:VAL:CA	1:C:272:LYS:N[2_858]	1.95	0.25
1:B:405:LEU:C	1:D:146:LEU:CA[2_858]	1.95	0.25
1:C:197:SER:OG	3:B:1201:NDP:N3A[2_858]	1.95	0.25
1:C:205:LYS:C	5:B:1208:HOH:O[2_858]	1.95	0.25
1:C:43:TYR:OH	5:B:1224:HOH:O[2_858]	1.95	0.25
1:C:316:ARG:N	1:C:322:GLN:C[2_958]	1.95	0.25
1:C:325:GLU:CD	1:C:329:THR:OG1[2_958]	1.95	0.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:31:LEU:CA	1:E:109:PHE:CE2[2_757]	1.95	0.25
1:D:40:LEU:CD1	1:E:111:GLU:C[2_757]	1.95	0.25
1:D:65:ILE:CB	1:E:124:ARG:N[2_757]	1.95	0.25
1:D:68:TYR:N	1:E:122:VAL:CA[2_757]	1.95	0.25
1:D:68:TYR:O	1:E:122:VAL:CG2[2_757]	1.95	0.25
1:D:81:GLU:O	1:D:88:ASN:CB[2_858]	1.95	0.25
1:D:104:LEU:O	1:F:382:ALA:CA[2_757]	1.95	0.25
1:D:109:PHE:CA	3:F:1601:NDP:O3X[2_757]	1.95	0.25
1:D:127:LYS:NZ	1:F:83:ARG:NH1[2_757]	1.95	0.25
1:D:130:ILE:CA	1:F:316:ARG:CG[2_757]	1.95	0.25
1:D:136:HIS:ND1	1:F:385:ASN:CB[2_757]	1.95	0.25
1:D:186:ASN:C	1:F:389:SER:O[2_757]	1.95	0.25
1:D:200:LYS:CD	1:F:291:GLY:N[2_757]	1.95	0.25
1:D:201:LEU:O	1:F:314:VAL:N[2_757]	1.95	0.25
1:D:225:PHE:CA	5:F:1639:HOH:O[2_757]	1.95	0.25
1:D:226:LYS:O	1:F:395:GLU:CA[2_757]	1.95	0.25
1:D:229:PHE:CD1	1:F:394:THR:CA[2_757]	1.95	0.25
1:D:231:GLU:OE1	1:F:400:ALA:CB[2_757]	1.95	0.25
1:D:238:LYS:CB	1:F:25:ASP:N[2_757]	1.95	0.25
1:D:241:PHE:CE2	1:F:21:ARG:N[2_757]	1.95	0.25
1:D:243:GLN:CD	1:F:14:LEU:N[2_757]	1.95	0.25
1:D:248:TYR:C	1:F:22:ILE:CG2[2_757]	1.95	0.25
1:D:256:MET:C	1:F:323:LYS:C[2_757]	1.95	0.25
1:D:302:GLY:C	1:F:284:ALA:O[2_757]	1.95	0.25
1:D:304:THR:CB	1:F:121:LEU:CD1[2_757]	1.95	0.25
1:D:331:SER:N	1:E:241:PHE:CG[2_757]	1.95	0.25
1:D:332:ILE:O	1:E:209:LEU:O[2_757]	1.95	0.25
1:D:336:PHE:CD2	1:E:210:PHE:CA[2_757]	1.95	0.25
1:D:361:LEU:CA	1:E:194:PHE:CE2[2_757]	1.95	0.25
1:D:362:GLU:CD	1:E:211:LEU:N[2_757]	1.95	0.25
1:D:369:VAL:O	1:E:235:ALA:CB[2_757]	1.95	0.25
1:D:375:MET:CE	1:E:235:ALA:N[2_757]	1.95	0.25
1:D:379:LEU:CB	1:E:238:LYS:CD[2_757]	1.95	0.25
1:D:397:PHE:CB	1:E:203:ILE:CD1[2_757]	1.95	0.25
1:D:409:ILE:CD1	1:E:107:THR:CA[2_757]	1.95	0.25
1:D:409:ILE:CG1	1:E:135:ALA:N[2_757]	1.95	0.25
1:E:49:SER:C	1:E:150:PRO:N[2_657]	1.95	0.25
1:E:53:THR:CA	1:E:151:GLY:O[2_657]	1.95	0.25
1:E:61:ALA:CA	1:F:161:ASP:C[2_657]	1.95	0.25
1:E:82:ALA:C	1:F:228:ILE:N[2_657]	1.95	0.25
1:F:159:PRO:O	5:E:1526:HOH:O[2_657]	1.95	0.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:3:SER:C	1:E:170:LEU:O[2_657]	1.96	0.24
1:A:4:LYS:CE	1:E:152:SER:CA[2_657]	1.96	0.24
1:A:20:THR:CA	1:B:158:LYS:CD[2_757]	1.96	0.24
1:A:55:ASP:C	1:B:182:MET:CG[2_757]	1.96	0.24
1:A:72:ILE:CA	1:A:158:LYS:CG[2_757]	1.96	0.24
1:A:79:PRO:N	1:A:145:THR:CB[2_757]	1.96	0.24
1:A:80:ASP:OD1	1:A:146:LEU:CG[2_757]	1.96	0.24
1:A:81:GLU:C	1:B:224:ARG:CD[2_757]	1.96	0.24
1:A:83:ARG:CB	1:A:179:GLY:O[2_757]	1.96	0.24
1:A:83:ARG:C	1:A:179:GLY:C[2_757]	1.96	0.24
1:A:91:LYS:O	1:B:221:TYR:CE1[2_757]	1.96	0.24
1:A:103:ILE:C	1:B:173:TYR:CZ[2_757]	1.96	0.24
1:A:104:LEU:CD2	1:B:175:TYR:N[2_757]	1.96	0.24
1:A:120:ARG:O	1:C:41:LYS:CA[2_858]	1.96	0.24
1:A:125:TRP:CG	1:C:11:VAL:CG2[2_858]	1.96	0.24
1:A:216:THR:N	1:E:5:ILE:CA[2_757]	1.96	0.24
1:A:246:ILE:CG2	1:C:356:LYS:CG[2_858]	1.96	0.24
1:A:264:LYS:CE	1:C:337:ALA:C[2_858]	1.96	0.24
1:A:267:PHE:CG	1:C:346:GLY:O[2_858]	1.96	0.24
1:A:269:MET:SD	1:C:348:LEU:C[2_858]	1.96	0.24
1:A:287:PHE:CD1	1:C:9:GLN:O[2_858]	1.96	0.24
1:A:316:ARG:CA	1:B:165:ALA:O[2_757]	1.96	0.24
1:A:316:ARG:N	1:B:165:ALA:N[2_757]	1.96	0.24
1:A:319:ARG:O	1:B:161:ASP:OD2[2_757]	1.96	0.24
1:A:321:TYR:N	1:F:303:LYS:CE[2_657]	1.96	0.24
1:A:332:ILE:CG1	1:F:63:GLU:OE2[2_657]	1.96	0.24
1:A:332:ILE:CB	1:F:63:GLU:CD[2_657]	1.96	0.24
1:A:366:LEU:CG	1:F:56:LYS:CB[2_657]	1.96	0.24
1:A:379:LEU:O	1:F:43:TYR:CD1[2_657]	1.96	0.24
1:A:390:ALA:C	1:F:12:VAL:O[2_657]	1.96	0.24
1:A:395:GLU:CA	1:F:104:LEU:C[2_657]	1.96	0.24
1:A:399:ASP:CA	1:F:102:ASN:N[2_657]	1.96	0.24
1:B:17:ASP:O	1:C:236:GLN:OE1[2_858]	1.96	0.24
1:B:26:LYS:CG	1:C:231:GLU:CA[2_858]	1.96	0.24
1:B:54:SER:CB	1:E:307:SER:CA[2_757]	1.96	0.24
1:B:54:SER:O	1:E:338:TRP:N[2_757]	1.96	0.24
1:B:56:LYS:N	1:E:337:ALA:C[2_757]	1.96	0.24
1:B:61:ALA:C	1:E:365:THR:CA[2_757]	1.96	0.24
1:B:64:ALA:CA	1:E:369:VAL:CG2[2_757]	1.96	0.24
1:B:65:ILE:CG2	1:E:368:THR:CG2[2_757]	1.96	0.24
1:B:77:ILE:CB	1:E:355:CYS:C[2_757]	1.96	0.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:78:THR:O	1:E:353:ALA:C[2_757]	1.96	0.24
1:B:88:ASN:CA	1:E:348:LEU:CA[2_757]	1.96	0.24
1:B:140:TYR:CG	1:E:34:PRO:O[2_757]	1.96	0.24
1:B:185:TYR:OH	1:E:29:LYS:CG[2_757]	1.96	0.24
1:B:296:ILE:O	1:E:407:LYS:NZ[2_757]	1.96	0.24
1:B:299:THR:N	1:E:403:LYS:CD[2_757]	1.96	0.24
1:B:309:ALA:C	1:E:411:SER:CB[2_757]	1.96	0.24
1:B:313:THR:O	5:E:1528:HOH:O[2_757]	1.96	0.24
1:B:317:HIS:O	1:C:199:PHE:CA[2_858]	1.96	0.24
1:B:317:HIS:CE1	1:C:197:SER:CB[2_858]	1.96	0.24
1:B:351:THR:O	1:C:163:THR:CB[2_858]	1.96	0.24
1:B:354:LEU:O	1:C:164:THR:CB[2_858]	1.96	0.24
1:B:356:LYS:NZ	1:C:162:PRO:CG[2_858]	1.96	0.24
1:B:363:SER:C	1:D:175:TYR:CG[2_858]	1.96	0.24
1:B:371:GLN:O	1:C:138:ASP:O[2_858]	1.96	0.24
1:B:373:GLY:C	1:C:137:GLY:O[2_858]	1.96	0.24
1:B:377:LYS:NZ	1:C:109:PHE:CD1[2_858]	1.96	0.24
1:B:381:LEU:CG	1:C:108:VAL:CA[2_858]	1.96	0.24
1:B:393:THR:CB	1:C:211:LEU:CG[2_858]	1.96	0.24
1:B:397:PHE:O	1:C:225:PHE:CD1[2_858]	1.96	0.24
1:B:403:LYS:CG	1:C:221:TYR:N[2_858]	1.96	0.24
1:B:405:LEU:CA	1:D:146:LEU:CA[2_858]	1.96	0.24
1:C:300:PRO:O	3:B:1201:NDP:C5A[2_858]	1.96	0.24
1:E:405:LEU:CA	5:B:1215:HOH:O[2_757]	1.96	0.24
1:C:316:ARG:O	1:C:320:LYS:O[2_958]	1.96	0.24
1:C:388:ARG:CD	1:C:392:VAL:CA[2_958]	1.96	0.24
1:D:2:PHE:CZ	1:E:99:THR:C[2_757]	1.96	0.24
1:D:31:LEU:CB	1:E:109:PHE:CZ[2_757]	1.96	0.24
1:D:35:TYR:CG	1:E:107:THR:C[2_757]	1.96	0.24
1:D:35:TYR:CB	1:E:108:VAL:CG1[2_757]	1.96	0.24
1:D:35:TYR:CD2	1:E:107:THR:O[2_757]	1.96	0.24
1:D:65:ILE:C	1:E:122:VAL:O[2_757]	1.96	0.24
1:D:65:ILE:CD1	1:E:125:TRP:CA[2_757]	1.96	0.24
1:D:67:LYS:C	1:E:122:VAL:N[2_757]	1.96	0.24
1:D:72:ILE:O	1:E:265:GLY:C[2_757]	1.96	0.24
1:D:73:LYS:N	1:E:265:GLY:CA[2_757]	1.96	0.24
1:D:109:PHE:CZ	3:F:1601:NDP:N9A[2_757]	1.96	0.24
1:D:188:ASP:N	1:F:373:GLY:O[2_757]	1.96	0.24
1:D:192:GLU:CG	1:F:397:PHE:CE1[2_757]	1.96	0.24
1:D:196:HIS:NE2	1:F:332:ILE:CD1[2_757]	1.96	0.24
1:D:204:ASP:O	3:F:1601:NDP:C5N[2_757]	1.96	0.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:207:LEU:N	1:F:313:THR:CB[2_757]	1.96	0.24
1:D:210:PHE:CG	1:F:322:GLN:N[2_757]	1.96	0.24
1:D:212:SER:OG	1:F:325:GLU:CB[2_757]	1.96	0.24
1:D:228:ILE:CD1	1:F:374:ILE:CG2[2_757]	1.96	0.24
1:D:230:GLN:OE1	1:F:26:LYS:CD[2_757]	1.96	0.24
1:D:230:GLN:N	1:F:394:THR:O[2_757]	1.96	0.24
1:D:236:GLN:O	1:F:334:SER:CB[2_757]	1.96	0.24
1:D:238:LYS:CD	1:F:26:LYS:N[2_757]	1.96	0.24
1:D:243:GLN:O	1:F:45:LEU:N[2_757]	1.96	0.24
1:D:249:GLU:CG	1:F:321:TYR:CZ[2_757]	1.96	0.24
1:D:256:MET:SD	1:F:321:TYR:C[2_757]	1.96	0.24
1:D:267:PHE:C	1:F:315:THR:O[2_757]	1.96	0.24
1:D:292:LEU:CD2	1:E:233:TYR:CE2[2_757]	1.96	0.24
1:D:307:SER:O	1:E:267:PHE:CD2[2_757]	1.96	0.24
1:D:334:SER:OG	1:E:207:LEU:O[2_757]	1.96	0.24
1:D:337:ALA:CA	1:E:267:PHE:CD1[2_757]	1.96	0.24
1:D:339:SER:C	5:E:1532:HOH:O[2_757]	1.96	0.24
1:D:341:GLY:O	1:E:260:MET:CG[2_757]	1.96	0.24
1:D:349:ASP:O	1:F:257:VAL:N[2_757]	1.96	0.24
1:D:352:PRO:CA	1:E:278:VAL:CG2[2_757]	1.96	0.24
1:D:354:LEU:N	1:E:277:ASP:CA[2_757]	1.96	0.24
1:D:359:ASN:N	1:E:272:LYS:N[2_757]	1.96	0.24
1:D:369:VAL:CG2	1:E:233:TYR:N[2_757]	1.96	0.24
1:D:376:THR:C	1:E:239:SER:C[2_757]	1.96	0.24
1:D:378:ASP:OD1	1:E:238:LYS:C[2_757]	1.96	0.24
1:D:399:ASP:CA	1:E:200:LYS:CD[2_757]	1.96	0.24
1:D:406:GLN:CG	1:E:299:THR:C[2_757]	1.96	0.24
1:D:409:ILE:CD1	1:E:106:GLY:O[2_757]	1.96	0.24
1:F:321:TYR:CE2	5:D:1440:HOH:O[2_757]	1.96	0.24
1:E:85:LYS:O	1:F:191:ILE:CG2[2_657]	1.96	0.24
1:E:86:GLU:CG	1:F:228:ILE:CG2[2_657]	1.96	0.24
1:E:99:THR:CB	1:F:166:GLN:CD[2_657]	1.96	0.24
1:A:4:LYS:CB	1:E:154:GLU:CD[2_657]	1.97	0.23
1:A:11:VAL:CA	1:A:167:PRO:N[2_757]	1.97	0.23
1:A:14:LEU:CB	1:A:156:VAL:C[2_757]	1.97	0.23
1:A:17:ASP:OD1	1:A:153:LEU:CB[2_757]	1.97	0.23
1:A:34:PRO:CB	1:E:174:ASP:N[2_657]	1.97	0.23
1:A:46:SER:OG	1:A:173:TYR:CA[2_757]	1.97	0.23
1:A:63:GLU:CG	1:B:179:GLY:CA[2_757]	1.97	0.23
1:A:64:ALA:N	1:B:147:ILE:CG1[2_757]	1.97	0.23
1:A:70:VAL:CG2	1:A:162:PRO:CD[2_757]	1.97	0.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:78:THR:C	1:A:145:THR:C[2_757]	1.97	0.23
1:A:79:PRO:O	1:A:145:THR:CA[2_757]	1.97	0.23
1:A:80:ASP:N	1:A:146:LEU:N[2_757]	1.97	0.23
1:A:87:PHE:CE1	1:A:147:ILE:CB[2_757]	1.97	0.23
1:A:87:PHE:C	1:B:187:THR:C[2_757]	1.97	0.23
1:A:92:MET:O	1:A:144:ASP:OD2[2_757]	1.97	0.23
1:A:93:TRP:N	1:B:221:TYR:CB[2_757]	1.97	0.23
1:A:93:TRP:N	1:B:221:TYR:CD1[2_757]	1.97	0.23
1:A:94:LYS:CA	1:A:143:THR:CA[2_757]	1.97	0.23
1:A:112:PRO:C	1:C:37:ASP:OD2[2_858]	1.97	0.23
1:A:120:ARG:CG	1:C:41:LYS:N[2_858]	1.97	0.23
1:A:120:ARG:CB	1:C:40:LEU:C[2_858]	1.97	0.23
1:A:121:LEU:CG	1:C:41:LYS:CD[2_858]	1.97	0.23
1:A:122:VAL:O	1:C:12:VAL:CA[2_858]	1.97	0.23
1:A:129:ILE:CG2	1:C:349:ASP:CG[2_858]	1.97	0.23
1:A:131:ILE:CD1	1:C:8:LYS:CG[2_858]	1.97	0.23
1:A:158:LYS:NZ	1:A:307:SER:C[2_757]	1.97	0.23
1:A:263:SER:CB	1:C:344:LYS:CB[2_858]	1.97	0.23
1:A:264:LYS:C	1:C:342:LEU:CA[2_858]	1.97	0.23
1:A:264:LYS:CA	1:C:342:LEU:N[2_858]	1.97	0.23
1:A:269:MET:N	1:C:350:ASN:CA[2_858]	1.97	0.23
1:A:314:VAL:CG2	1:B:167:PRO:CG[2_757]	1.97	0.23
1:A:315:THR:CB	1:B:165:ALA:C[2_757]	1.97	0.23
1:A:317:HIS:C	1:B:161:ASP:O[2_757]	1.97	0.23
1:A:318:TYR:N	1:B:161:ASP:O[2_757]	1.97	0.23
1:A:371:GLN:CA	1:F:50:ARG:CG[2_657]	1.97	0.23
1:A:371:GLN:OE1	1:F:50:ARG:CA[2_657]	1.97	0.23
1:A:377:LYS:CB	1:F:68:TYR:CB[2_657]	1.97	0.23
1:A:379:LEU:CD1	1:F:60:ASP:C[2_657]	1.97	0.23
1:A:387:GLU:CG	1:F:72:ILE:CD1[2_657]	1.97	0.23
1:A:387:GLU:OE2	1:F:338:TRP:CZ2[2_657]	1.97	0.23
1:A:404:ARG:NH1	1:F:94:LYS:N[2_657]	1.97	0.23
1:B:168:GLN:CD	3:A:1101:NDP:C2D[2_757]	1.97	0.23
1:B:12:VAL:CG2	1:E:369:VAL:C[2_757]	1.97	0.23
1:B:14:LEU:CB	1:E:363:SER:CB[2_757]	1.97	0.23
1:B:17:ASP:CG	5:E:1533:HOH:O[2_757]	1.97	0.23
1:B:20:THR:C	1:C:236:GLN:OE1[2_858]	1.97	0.23
1:B:20:THR:N	1:C:196:HIS:CE1[2_858]	1.97	0.23
1:B:25:ASP:O	1:C:231:GLU:CD[2_858]	1.97	0.23
1:B:30:LYS:CD	1:C:227:ASP:CG[2_858]	1.97	0.23
1:B:43:TYR:CZ	1:E:366:LEU:CD2[2_757]	1.97	0.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:45:LEU:CG	1:E:363:SER:N[2_757]	1.97	0.23
1:B:50:ARG:CG	1:E:339:SER:CB[2_757]	1.97	0.23
1:B:54:SER:OG	1:E:307:SER:OG[2_757]	1.97	0.23
1:B:59:GLN:OE1	1:E:27:ILE:CG1[2_757]	1.97	0.23
1:B:65:ILE:CG1	1:E:368:THR:N[2_757]	1.97	0.23
1:B:77:ILE:O	1:E:357:PHE:N[2_757]	1.97	0.23
1:B:79:PRO:C	1:E:354:LEU:CG[2_757]	1.97	0.23
1:B:82:ALA:C	1:E:349:ASP:O[2_757]	1.97	0.23
1:B:83:ARG:N	1:E:351:THR:OG1[2_757]	1.97	0.23
1:B:84:VAL:CB	1:E:345:ARG:O[2_757]	1.97	0.23
1:B:87:PHE:CZ	5:E:1521:HOH:O[2_757]	1.97	0.23
1:B:98:GLY:N	1:E:35:TYR:CD1[2_757]	1.97	0.23
1:B:103:ILE:CG2	1:E:398:LEU:C[2_757]	1.97	0.23
1:B:117:ARG:CZ	1:C:140:TYR:C[2_858]	1.97	0.23
1:B:122:VAL:C	1:C:64:ALA:CA[2_858]	1.97	0.23
1:B:125:TRP:CA	1:C:63:GLU:OE1[2_858]	1.97	0.23
1:B:289:SER:CA	1:C:299:THR:CA[2_858]	1.97	0.23
1:B:296:ILE:O	1:E:407:LYS:CE[2_757]	1.97	0.23
1:B:297:LEU:CD1	1:E:403:LYS:CA[2_757]	1.97	0.23
1:B:316:ARG:C	1:C:200:LYS:C[2_858]	1.97	0.23
1:B:317:HIS:N	1:C:200:LYS:CG[2_858]	1.97	0.23
1:B:317:HIS:CA	1:C:200:LYS:CB[2_858]	1.97	0.23
1:B:318:TYR:CD1	1:C:237:TYR:N[2_858]	1.97	0.23
1:B:326:GLU:CD	1:C:269:MET:N[2_858]	1.97	0.23
1:B:330:ASN:C	1:C:193:GLY:C[2_858]	1.97	0.23
1:B:352:PRO:C	1:C:162:PRO:N[2_858]	1.97	0.23
1:B:359:ASN:CG	1:C:160:SER:OG[2_858]	1.97	0.23
1:B:359:ASN:CG	1:D:150:PRO:CB[2_858]	1.97	0.23
1:B:367:ASN:CA	1:C:185:TYR:CE2[2_858]	1.97	0.23
1:B:368:THR:O	1:C:138:ASP:OD1[2_858]	1.97	0.23
1:B:368:THR:N	1:C:185:TYR:CA[2_858]	1.97	0.23
1:B:376:THR:CA	1:C:134:HIS:CA[2_858]	1.97	0.23
1:B:385:ASN:N	1:C:110:ARG:NH2[2_858]	1.97	0.23
1:B:386:ASN:CB	1:C:295:SER:CA[2_858]	1.97	0.23
1:B:389:SER:CA	1:C:276:GLY:O[2_858]	1.97	0.23
1:B:391:TYR:CD2	1:C:133:ARG:CB[2_858]	1.97	0.23
1:B:395:GLU:CD	1:C:229:PHE:CB[2_858]	1.97	0.23
1:B:395:GLU:C	1:C:225:PHE:O[2_858]	1.97	0.23
1:B:397:PHE:O	1:C:191:ILE:CD1[2_858]	1.97	0.23
1:B:400:ALA:N	1:C:225:PHE:CD1[2_858]	1.97	0.23
1:D:5:ILE:CG2	1:E:277:ASP:OD1[2_757]	1.97	0.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:31:LEU:N	1:E:201:LEU:CD1[2_757]	1.97	0.23
1:D:62:ALA:O	1:E:123:PRO:O[2_757]	1.97	0.23
1:D:73:LYS:CA	1:E:265:GLY:O[2_757]	1.97	0.23
1:D:136:HIS:O	1:F:386:ASN:C[2_757]	1.97	0.23
1:D:200:LYS:N	1:F:311:HIS:CE1[2_757]	1.97	0.23
1:D:200:LYS:CE	1:F:291:GLY:N[2_757]	1.97	0.23
1:D:203:ILE:C	1:F:312:GLY:C[2_757]	1.97	0.23
1:D:224:ARG:N	1:F:396:GLU:CD[2_757]	1.97	0.23
1:D:230:GLN:O	1:F:398:LEU:CB[2_757]	1.97	0.23
1:D:234:GLU:OE2	1:F:30:LYS:CG[2_757]	1.97	0.23
1:D:234:GLU:CA	1:F:26:LYS:C[2_757]	1.97	0.23
1:D:246:ILE:CG1	1:F:17:ASP:N[2_757]	1.97	0.23
1:D:246:ILE:CG1	1:F:17:ASP:CA[2_757]	1.97	0.23
1:D:256:MET:N	1:F:324:GLY:N[2_757]	1.97	0.23
1:D:268:ILE:CG1	1:F:314:VAL:O[2_757]	1.97	0.23
1:D:299:THR:O	1:F:289:SER:CA[2_757]	1.97	0.23
1:D:300:PRO:C	1:F:289:SER:CA[2_757]	1.97	0.23
1:D:330:ASN:ND2	1:E:241:PHE:CB[2_757]	1.97	0.23
1:D:338:TRP:CG	1:E:267:PHE:C[2_757]	1.97	0.23
1:D:350:ASN:OD1	1:F:253:ILE:CG1[2_757]	1.97	0.23
1:D:355:CYS:CB	5:E:1514:HOH:O[2_757]	1.97	0.23
1:D:356:LYS:CB	1:E:273:ASN:C[2_757]	1.97	0.23
1:D:359:ASN:N	1:E:271:LEU:C[2_757]	1.97	0.23
1:D:362:GLU:OE2	1:E:212:SER:N[2_757]	1.97	0.23
1:D:362:GLU:C	1:E:229:PHE:CE2[2_757]	1.97	0.23
1:D:375:MET:O	1:E:236:GLN:O[2_757]	1.97	0.23
1:D:375:MET:N	1:E:237:TYR:N[2_757]	1.97	0.23
1:D:398:LEU:CD2	1:E:203:ILE:N[2_757]	1.97	0.23
1:D:401:VAL:CG1	1:E:198:SER:C[2_757]	1.97	0.23
1:D:408:GLU:OE1	1:E:191:ILE:CA[2_757]	1.97	0.23
1:E:311:HIS:CG	5:D:1446:HOH:O[2_757]	1.97	0.23
1:E:54:SER:C	1:F:157:TYR:CG[2_657]	1.97	0.23
1:E:58:THR:CA	1:F:165:ALA:N[2_657]	1.97	0.23
1:E:85:LYS:CB	1:F:225:PHE:CA[2_657]	1.97	0.23
1:E:92:MET:C	1:E:146:LEU:CD2[2_657]	1.97	0.23
1:A:2:PHE:CB	1:E:155:LEU:CA[2_657]	1.98	0.22
1:A:10:PRO:CG	1:A:166:GLN:CD[2_757]	1.98	0.22
1:A:12:VAL:CB	1:A:168:GLN:N[2_757]	1.98	0.22
1:A:15:ASP:OD2	1:A:154:GLU:OE2[2_757]	1.98	0.22
1:A:35:TYR:N	1:E:174:ASP:OD1[2_657]	1.98	0.22
1:A:43:TYR:O	1:A:170:LEU:C[2_757]	1.98	0.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:51:ASP:CG	1:B:186:ASN:N[2_757]	1.98	0.22
1:A:63:GLU:CA	1:B:147:ILE:CG2[2_757]	1.98	0.22
1:A:65:ILE:N	1:A:157:TYR:CE1[2_757]	1.98	0.22
1:A:68:TYR:O	1:A:165:ALA:N[2_757]	1.98	0.22
1:A:83:ARG:NH1	1:A:148:PRO:CG[2_757]	1.98	0.22
1:A:93:TRP:CZ2	1:B:184:MET:SD[2_757]	1.98	0.22
1:A:100:ILE:C	1:B:173:TYR:CB[2_757]	1.98	0.22
1:A:103:ILE:CD1	1:A:185:TYR:CG[2_757]	1.98	0.22
1:A:117:ARG:CG	1:F:44:ASP:O[2_657]	1.98	0.22
1:A:124:ARG:CD	1:C:71:GLY:O[2_858]	1.98	0.22
1:A:141:LYS:CA	1:A:141:LYS:NZ[2_757]	1.98	0.22
1:A:210:PHE:CE1	1:C:347:GLU:CA[2_858]	1.98	0.22
1:A:214:LYS:NZ	1:E:3:SER:N[2_757]	1.98	0.22
1:A:258:ALA:CA	1:C:303:LYS:CA[2_858]	1.98	0.22
1:A:282:ILE:CB	1:C:9:GLN:NE2[2_858]	1.98	0.22
1:A:287:PHE:CA	1:C:39:ASP:OD2[2_858]	1.98	0.22
1:A:317:HIS:CA	1:B:162:PRO:N[2_757]	1.98	0.22
1:A:371:GLN:CG	1:F:50:ARG:CD[2_657]	1.98	0.22
1:A:391:TYR:CE1	1:F:70:VAL:C[2_657]	1.98	0.22
1:A:392:VAL:CG2	1:F:104:LEU:CD1[2_657]	1.98	0.22
1:A:398:LEU:C	1:F:103:ILE:C[2_657]	1.98	0.22
1:A:398:LEU:N	1:F:103:ILE:O[2_657]	1.98	0.22
1:A:400:ALA:O	1:F:99:THR:C[2_657]	1.98	0.22
1:A:403:LYS:CA	1:F:140:TYR:O[2_657]	1.98	0.22
1:B:12:VAL:CG2	1:E:366:LEU:O[2_757]	1.98	0.22
1:B:14:LEU:CD2	1:E:366:LEU:N[2_757]	1.98	0.22
1:B:17:ASP:OD2	1:E:355:CYS:O[2_757]	1.98	0.22
1:B:20:THR:N	1:C:236:GLN:CD[2_858]	1.98	0.22
1:B:22:ILE:CG1	1:C:233:TYR:N[2_858]	1.98	0.22
1:B:22:ILE:O	1:C:231:GLU:O[2_858]	1.98	0.22
1:B:45:LEU:CD1	1:E:362:GLU:C[2_757]	1.98	0.22
1:B:50:ARG:CZ	1:E:359:ASN:N[2_757]	1.98	0.22
1:B:51:ASP:N	1:E:340:ARG:CA[2_757]	1.98	0.22
1:B:60:ASP:N	1:E:332:ILE:C[2_757]	1.98	0.22
1:B:65:ILE:CA	1:E:368:THR:CA[2_757]	1.98	0.22
1:B:76:THR:N	1:E:360:ILE:CD1[2_757]	1.98	0.22
1:B:76:THR:C	1:E:356:LYS:CB[2_757]	1.98	0.22
1:B:87:PHE:CE2	5:E:1521:HOH:O[2_757]	1.98	0.22
1:B:93:TRP:CD1	1:E:343:LEU:N[2_757]	1.98	0.22
1:B:118:ILE:C	1:C:102:ASN:N[2_858]	1.98	0.22
1:B:122:VAL:CA	1:C:64:ALA:CA[2_858]	1.98	0.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:123:PRO:CB	1:C:61:ALA:CB[2_858]	1.98	0.22
1:B:125:TRP:CH2	1:C:67:LYS:CA[2_858]	1.98	0.22
1:B:125:TRP:CA	1:C:63:GLU:CG[2_858]	1.98	0.22
1:B:308:GLU:OE2	1:E:408:GLU:N[2_757]	1.98	0.22
1:B:320:LYS:O	1:C:241:PHE:CE2[2_858]	1.98	0.22
1:B:358:ALA:CA	1:D:150:PRO:N[2_858]	1.98	0.22
1:B:364:ALA:CB	1:D:175:TYR:CE2[2_858]	1.98	0.22
1:B:368:THR:CG2	1:C:186:ASN:CB[2_858]	1.98	0.22
1:B:368:THR:CA	1:C:186:ASN:N[2_858]	1.98	0.22
1:B:378:ASP:OD2	1:C:106:GLY:C[2_858]	1.98	0.22
1:B:378:ASP:N	1:C:107:THR:OG1[2_858]	1.98	0.22
1:B:395:GLU:OE1	1:C:229:PHE:CG[2_858]	1.98	0.22
1:B:401:VAL:CG2	1:C:191:ILE:CD1[2_858]	1.98	0.22
1:B:410:LYS:N	1:C:168:GLN:CB[2_858]	1.98	0.22
1:E:5:ILE:CD1	4:B:1202:AKG:O4[2_757]	1.98	0.22
1:D:173:TYR:CE1	5:B:1219:HOH:O[2_858]	1.98	0.22
1:C:178:SER:O	5:F:1646:HOH:O[2_757]	1.98	0.22
1:C:322:GLN:N	5:C:1339:HOH:O[2_958]	1.98	0.22
1:C:323:LYS:CA	5:C:1308:HOH:O[2_958]	1.98	0.22
1:D:4:LYS:CB	1:E:308:GLU:OE2[2_757]	1.98	0.22
1:D:8:LYS:CD	1:F:257:VAL:C[2_757]	1.98	0.22
1:D:13:GLU:CA	1:E:128:PRO:CA[2_757]	1.98	0.22
1:D:23:ILE:N	1:E:206:LYS:CG[2_757]	1.98	0.22
1:D:25:ASP:C	1:E:205:LYS:NZ[2_757]	1.98	0.22
1:D:26:LYS:CG	1:E:204:ASP:CA[2_757]	1.98	0.22
1:D:40:LEU:CD1	1:E:112:PRO:N[2_757]	1.98	0.22
1:D:71:GLY:N	1:E:125:TRP:CD2[2_757]	1.98	0.22
1:D:192:GLU:CD	1:F:397:PHE:CE1[2_757]	1.98	0.22
1:D:204:ASP:CA	1:F:312:GLY:N[2_757]	1.98	0.22
1:D:205:LYS:O	3:F:1601:NDP:C4D[2_757]	1.98	0.22
1:D:212:SER:N	1:F:326:GLU:CA[2_757]	1.98	0.22
1:D:225:PHE:O	1:F:393:THR:N[2_757]	1.98	0.22
1:D:231:GLU:CG	1:F:398:LEU:O[2_757]	1.98	0.22
1:D:234:GLU:CD	1:F:30:LYS:CD[2_757]	1.98	0.22
1:D:240:LYS:CA	1:F:24:TRP:CZ3[2_757]	1.98	0.22
1:D:244:LEU:CD1	1:F:74:CYS:C[2_757]	1.98	0.22
1:D:303:LYS:NZ	1:F:287:PHE:CE1[2_757]	1.98	0.22
1:D:341:GLY:CA	1:E:260:MET:CG[2_757]	1.98	0.22
1:D:347:GLU:O	1:F:279:GLN:CA[2_757]	1.98	0.22
1:D:352:PRO:O	1:E:274:TYR:O[2_757]	1.98	0.22
1:D:355:CYS:CB	1:E:275:ASP:CB[2_757]	1.98	0.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:356:LYS:CG	1:E:274:TYR:CA[2_757]	1.98	0.22
1:D:360:ILE:C	1:E:194:PHE:CD1[2_757]	1.98	0.22
1:D:367:ASN:ND2	1:E:228:ILE:CB[2_757]	1.98	0.22
1:D:367:ASN:OD1	1:E:228:ILE:CG2[2_757]	1.98	0.22
1:D:368:THR:C	1:E:232:VAL:O[2_757]	1.98	0.22
1:D:369:VAL:N	1:E:233:TYR:N[2_757]	1.98	0.22
1:D:376:THR:CB	1:E:239:SER:C[2_757]	1.98	0.22
1:D:406:GLN:OE1	1:E:300:PRO:N[2_757]	1.98	0.22
1:D:411:SER:N	1:E:136:HIS:CA[2_757]	1.98	0.22
1:E:237:TYR:CA	5:D:1420:HOH:O[2_757]	1.98	0.22
1:E:52:ALA:CA	1:E:175:TYR:CA[2_657]	1.98	0.22
1:E:53:THR:OG1	1:E:151:GLY:C[2_657]	1.98	0.22
1:E:58:THR:CG2	1:F:165:ALA:CB[2_657]	1.98	0.22
1:E:85:LYS:CG	1:F:226:LYS:N[2_657]	1.98	0.22
1:E:85:LYS:CA	1:F:224:ARG:C[2_657]	1.98	0.22
1:E:86:GLU:CB	1:F:228:ILE:CG1[2_657]	1.98	0.22
1:E:92:MET:C	1:E:146:LEU:CD1[2_657]	1.98	0.22
1:A:3:SER:CB	1:E:169:THR:C[2_657]	1.99	0.21
1:A:10:PRO:C	1:A:166:GLN:CA[2_757]	1.99	0.21
1:A:16:GLY:O	1:A:153:LEU:N[2_757]	1.99	0.21
1:A:28:LYS:C	1:E:176:LYS:CE[2_657]	1.99	0.21
1:A:33:LEU:N	1:E:174:ASP:CB[2_657]	1.99	0.21
1:A:33:LEU:C	1:E:174:ASP:CG[2_657]	1.99	0.21
1:A:44:ASP:CA	1:A:171:LYS:CA[2_757]	1.99	0.21
1:A:45:LEU:CA	1:A:155:LEU:N[2_757]	1.99	0.21
1:A:59:GLN:NE2	1:A:185:TYR:O[2_757]	1.99	0.21
1:A:93:TRP:O	1:A:144:ASP:C[2_757]	1.99	0.21
1:A:119:PRO:CA	1:C:42:TYR:N[2_858]	1.99	0.21
1:A:126:GLU:CB	1:C:338:TRP:CE3[2_858]	1.99	0.21
1:A:185:TYR:CD2	5:A:1111:HOH:O[2_757]	1.99	0.21
1:A:206:LYS:C	1:C:356:LYS:CD[2_858]	1.99	0.21
1:A:207:LEU:CD2	1:C:354:LEU:CA[2_858]	1.99	0.21
1:A:207:LEU:CB	1:C:353:ALA:C[2_858]	1.99	0.21
1:A:214:LYS:NZ	1:E:3:SER:CA[2_757]	1.99	0.21
1:A:219:LYS:N	1:E:37:ASP:OD2[2_757]	1.99	0.21
1:A:261:ILE:CG2	1:C:69:GLY:N[2_858]	1.99	0.21
1:A:306:GLU:CD	1:B:152:SER:CB[2_757]	1.99	0.21
1:A:317:HIS:CE1	1:F:67:LYS:O[2_657]	1.99	0.21
1:A:365:THR:O	1:F:59:GLN:CG[2_657]	1.99	0.21
1:A:369:VAL:N	1:F:58:THR:CG2[2_657]	1.99	0.21
1:A:369:VAL:CG2	1:F:61:ALA:N[2_657]	1.99	0.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:374:ILE:CB	1:F:100:ILE:CB[2_657]	1.99	0.21
1:A:378:ASP:CB	1:F:68:TYR:CD1[2_657]	1.99	0.21
1:A:381:LEU:CG	1:F:10:PRO:CA[2_657]	1.99	0.21
1:A:388:ARG:C	1:F:70:VAL:CG1[2_657]	1.99	0.21
1:A:392:VAL:CA	1:F:65:ILE:CG2[2_657]	1.99	0.21
1:A:397:PHE:N	1:F:104:LEU:CD1[2_657]	1.99	0.21
1:A:399:ASP:OD2	1:F:105:GLY:C[2_657]	1.99	0.21
1:F:67:LYS:CE	3:A:1101:NDP:C4A[2_657]	1.99	0.21
1:B:9:GLN:O	1:E:117:ARG:CZ[2_757]	1.99	0.21
1:B:19:MET:CG	1:C:237:TYR:CZ[2_858]	1.99	0.21
1:B:21:ARG:CG	1:C:235:ALA:CA[2_858]	1.99	0.21
1:B:26:LYS:CB	1:C:231:GLU:CB[2_858]	1.99	0.21
1:B:57:ILE:CG1	1:E:336:PHE:CG[2_757]	1.99	0.21
1:B:57:ILE:CA	1:E:336:PHE:CA[2_757]	1.99	0.21
1:B:59:GLN:CB	1:E:335:ILE:CG1[2_757]	1.99	0.21
1:B:60:ASP:CB	1:E:332:ILE:CA[2_757]	1.99	0.21
1:B:63:GLU:CB	1:E:397:PHE:CD2[2_757]	1.99	0.21
1:B:65:ILE:O	1:E:368:THR:CG2[2_757]	1.99	0.21
1:B:68:TYR:OH	1:E:118:ILE:CD1[2_757]	1.99	0.21
1:B:70:VAL:CB	1:E:372:ASP:OD1[2_757]	1.99	0.21
1:B:71:GLY:C	1:E:404:ARG:NE[2_757]	1.99	0.21
1:B:77:ILE:C	1:E:354:LEU:O[2_757]	1.99	0.21
1:B:87:PHE:N	1:E:347:GLU:C[2_757]	1.99	0.21
1:B:96:PRO:CD	1:E:357:PHE:CG[2_757]	1.99	0.21
1:B:98:GLY:C	1:E:31:LEU:C[2_757]	1.99	0.21
1:B:102:ASN:OD1	1:E:26:LYS:O[2_757]	1.99	0.21
1:B:104:LEU:CD1	1:E:401:VAL:N[2_757]	1.99	0.21
1:B:118:ILE:CG1	1:C:102:ASN:N[2_858]	1.99	0.21
1:B:118:ILE:CB	1:C:102:ASN:C[2_858]	1.99	0.21
1:B:118:ILE:CG1	1:C:101:ARG:C[2_858]	1.99	0.21
1:B:123:PRO:CA	1:C:61:ALA:CA[2_858]	1.99	0.21
1:B:140:TYR:CA	1:E:34:PRO:C[2_757]	1.99	0.21
1:B:285:GLN:CG	1:C:304:THR:CB[2_858]	1.99	0.21
1:B:306:GLU:O	1:E:407:LYS:CG[2_757]	1.99	0.21
1:B:310:ALA:N	1:E:410:LYS:C[2_757]	1.99	0.21
1:B:317:HIS:CD2	1:C:200:LYS:CB[2_858]	1.99	0.21
1:B:319:ARG:O	1:C:203:ILE:CG1[2_858]	1.99	0.21
1:B:322:GLN:C	1:C:241:PHE:C[2_858]	1.99	0.21
1:B:323:LYS:N	1:C:246:ILE:CD1[2_858]	1.99	0.21
1:B:326:GLU:OE1	1:C:269:MET:C[2_858]	1.99	0.21
1:B:357:PHE:CD1	1:D:148:PRO:CG[2_858]	1.99	0.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:363:SER:OG	1:D:175:TYR:CD1[2_858]	1.99	0.21
1:B:365:THR:C	1:C:187:THR:CG2[2_858]	1.99	0.21
1:B:403:LYS:NZ	1:C:218:LEU:CG[2_858]	1.99	0.21
1:B:407:LYS:CG	1:D:145:THR:N[2_858]	1.99	0.21
1:B:411:SER:CB	1:C:156:VAL:CA[2_858]	1.99	0.21
1:C:85:LYS:NZ	1:C:88:ASN:C[2_958]	1.99	0.21
1:C:325:GLU:C	5:C:1316:HOH:O[2_958]	1.99	0.21
1:C:388:ARG:NH1	1:C:388:ARG:NH1[2_958]	1.99	0.21
1:D:24:TRP:CZ3	1:E:267:PHE:N[2_757]	1.99	0.21
1:D:27:ILE:C	1:E:201:LEU:CD2[2_757]	1.99	0.21
1:D:34:PRO:N	1:E:109:PHE:O[2_757]	1.99	0.21
1:D:81:GLU:OE2	1:D:87:PHE:O[2_858]	1.99	0.21
1:D:105:GLY:CA	1:F:381:LEU:CA[2_757]	1.99	0.21
1:D:134:HIS:ND1	1:F:391:TYR:CG[2_757]	1.99	0.21
1:D:134:HIS:ND1	1:F:391:TYR:CZ[2_757]	1.99	0.21
1:D:196:HIS:ND1	1:F:332:ILE:CB[2_757]	1.99	0.21
1:D:198:SER:OG	1:F:317:HIS:ND1[2_757]	1.99	0.21
1:D:200:LYS:N	3:F:1601:NDP:N6A[2_757]	1.99	0.21
1:D:200:LYS:CE	1:F:291:GLY:O[2_757]	1.99	0.21
1:D:202:ALA:O	1:F:313:THR:OG1[2_757]	1.99	0.21
1:D:202:ALA:C	1:F:313:THR:CB[2_757]	1.99	0.21
1:D:206:LYS:N	1:F:313:THR:CG2[2_757]	1.99	0.21
1:D:225:PHE:CA	1:F:392:VAL:C[2_757]	1.99	0.21
1:D:230:GLN:CD	1:F:26:LYS:NZ[2_757]	1.99	0.21
1:D:230:GLN:N	1:F:395:GLU:C[2_757]	1.99	0.21
1:D:231:GLU:CB	1:F:398:LEU:N[2_757]	1.99	0.21
1:D:269:MET:CB	1:F:320:LYS:CG[2_757]	1.99	0.21
1:D:294:THR:N	1:E:249:GLU:CD[2_757]	1.99	0.21
1:D:294:THR:CA	1:E:210:PHE:CE2[2_757]	1.99	0.21
1:D:303:LYS:N	1:F:286:GLY:CA[2_757]	1.99	0.21
1:D:339:SER:CA	1:E:269:MET:C[2_757]	1.99	0.21
1:D:342:LEU:O	1:E:279:GLN:CG[2_757]	1.99	0.21
1:D:349:ASP:CG	1:E:282:ILE:CG1[2_757]	1.99	0.21
1:D:351:THR:OG1	1:E:278:VAL:O[2_757]	1.99	0.21
1:D:364:ALA:CB	1:E:194:PHE:O[2_757]	1.99	0.21
1:D:364:ALA:CA	1:E:195:ALA:CB[2_757]	1.99	0.21
1:D:364:ALA:CA	1:E:229:PHE:CE1[2_757]	1.99	0.21
1:D:364:ALA:CB	1:E:195:ALA:CA[2_757]	1.99	0.21
1:D:365:THR:CG2	1:E:199:PHE:CE1[2_757]	1.99	0.21
1:D:400:ALA:C	1:E:200:LYS:CE[2_757]	1.99	0.21
1:D:408:GLU:CG	1:E:191:ILE:O[2_757]	1.99	0.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:409:ILE:CB	1:E:135:ALA:N[2_757]	1.99	0.21
1:D:409:ILE:N	1:E:134:HIS:NE2[2_757]	1.99	0.21
1:E:49:SER:N	1:E:177:GLY:N[2_657]	1.99	0.21
1:E:51:ASP:O	1:E:175:TYR:CG[2_657]	1.99	0.21
1:E:52:ALA:N	1:E:175:TYR:CG[2_657]	1.99	0.21
1:E:53:THR:CG2	1:F:157:TYR:OH[2_657]	1.99	0.21
1:E:96:PRO:CB	1:F:164:THR:O[2_657]	1.99	0.21
1:E:99:THR:CB	1:F:166:GLN:CG[2_657]	1.99	0.21
1:A:2:PHE:CB	1:E:155:LEU:CD2[2_657]	2.00	0.20
1:A:13:GLU:CA	1:A:169:THR:OG1[2_757]	2.00	0.20
1:A:14:LEU:N	1:A:169:THR:CA[2_757]	2.00	0.20
1:A:30:LYS:O	5:F:1640:HOH:O[2_657]	2.00	0.20
1:A:34:PRO:N	1:E:174:ASP:CB[2_657]	2.00	0.20
1:A:34:PRO:N	1:E:173:TYR:C[2_657]	2.00	0.20
1:A:44:ASP:C	1:A:170:LEU:O[2_757]	2.00	0.20
1:A:44:ASP:OD2	1:A:171:LYS:CB[2_757]	2.00	0.20
1:A:45:LEU:N	1:A:155:LEU:N[2_757]	2.00	0.20
1:A:58:THR:C	1:B:182:MET:N[2_757]	2.00	0.20
1:A:64:ALA:N	1:B:147:ILE:CD1[2_757]	2.00	0.20
1:A:76:THR:N	1:B:157:TYR:N[2_757]	2.00	0.20
1:A:91:LYS:C	1:B:221:TYR:CE2[2_757]	2.00	0.20
1:A:99:THR:N	1:B:172:VAL:CA[2_757]	2.00	0.20
1:A:101:ARG:CD	1:B:171:LYS:CD[2_757]	2.00	0.20
1:A:104:LEU:CD1	1:B:152:SER:N[2_757]	2.00	0.20
1:A:113:ILE:CA	1:C:37:ASP:OD2[2_858]	2.00	0.20
1:A:129:ILE:CG1	5:C:1309:HOH:O[2_858]	2.00	0.20
1:A:215:ASN:C	1:E:6:LYS:N[2_757]	2.00	0.20
1:A:215:ASN:CG	1:E:6:LYS:CD[2_757]	2.00	0.20
1:A:216:THR:O	1:E:36:LEU:CA[2_757]	2.00	0.20
1:A:216:THR:CB	1:E:5:ILE:C[2_757]	2.00	0.20
1:A:217:ILE:CG1	1:E:4:LYS:CG[2_757]	2.00	0.20
1:A:267:PHE:CZ	1:C:346:GLY:N[2_858]	2.00	0.20
1:A:288:GLY:O	1:C:41:LYS:NZ[2_858]	2.00	0.20
1:A:317:HIS:CB	1:B:162:PRO:C[2_757]	2.00	0.20
1:A:317:HIS:C	1:B:162:PRO:C[2_757]	2.00	0.20
1:A:326:GLU:OE2	1:F:305:PHE:CZ[2_657]	2.00	0.20
1:A:328:SER:CA	1:F:66:LYS:C[2_657]	2.00	0.20
1:A:331:SER:OG	1:F:66:LYS:CD[2_657]	2.00	0.20
1:A:367:ASN:O	1:F:58:THR:CB[2_657]	2.00	0.20
1:A:369:VAL:CB	1:F:57:ILE:C[2_657]	2.00	0.20
1:A:369:VAL:O	1:F:45:LEU:CD1[2_657]	2.00	0.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:374:ILE:CG2	1:F:100:ILE:CD1[2_657]	2.00	0.20
1:A:375:MET:CA	1:F:61:ALA:C[2_657]	2.00	0.20
1:A:375:MET:CB	1:F:61:ALA:C[2_657]	2.00	0.20
1:A:383:CYS:N	1:F:41:LYS:CA[2_657]	2.00	0.20
1:A:389:SER:C	1:F:72:ILE:N[2_657]	2.00	0.20
1:A:397:PHE:CA	1:F:104:LEU:CG[2_657]	2.00	0.20
1:A:400:ALA:N	1:F:102:ASN:CA[2_657]	2.00	0.20
1:A:401:VAL:CB	1:F:103:ILE:CG1[2_657]	2.00	0.20
1:A:402:GLU:CA	1:F:102:ASN:ND2[2_657]	2.00	0.20
1:B:19:MET:SD	1:C:199:PHE:CD2[2_858]	2.00	0.20
1:B:56:LYS:CA	1:E:336:PHE:CA[2_757]	2.00	0.20
1:B:59:GLN:CG	1:E:334:SER:C[2_757]	2.00	0.20
1:B:62:ALA:CB	1:E:401:VAL:CB[2_757]	2.00	0.20
1:B:67:LYS:NZ	1:E:380:ALA:N[2_757]	2.00	0.20
1:B:68:TYR:CB	1:E:373:GLY:C[2_757]	2.00	0.20
1:B:78:THR:O	1:E:354:LEU:CA[2_757]	2.00	0.20
1:B:90:HIS:CD2	1:E:70:VAL:CG1[2_757]	2.00	0.20
1:B:93:TRP:CG	1:E:342:LEU:C[2_757]	2.00	0.20
1:B:101:ARG:CA	1:E:402:GLU:O[2_757]	2.00	0.20
1:B:104:LEU:C	1:E:399:ASP:C[2_757]	2.00	0.20
1:B:110:ARG:NH2	1:E:410:LYS:CG[2_757]	2.00	0.20
1:B:125:TRP:C	1:C:63:GLU:OE2[2_858]	2.00	0.20
1:B:285:GLN:NE2	1:C:304:THR:CA[2_858]	2.00	0.20
1:B:287:PHE:CD2	1:C:66:LYS:CE[2_858]	2.00	0.20
1:B:320:LYS:O	1:C:246:ILE:CD1[2_858]	2.00	0.20
1:B:326:GLU:C	1:C:209:LEU:CD1[2_858]	2.00	0.20
1:B:331:SER:CA	1:C:193:GLY:N[2_858]	2.00	0.20
1:B:351:THR:CA	1:C:163:THR:CG2[2_858]	2.00	0.20
1:B:358:ALA:C	1:D:150:PRO:CA[2_858]	2.00	0.20
1:B:358:ALA:C	1:D:149:GLY:CA[2_858]	2.00	0.20
1:B:375:MET:SD	1:C:135:ALA:CA[2_858]	2.00	0.20
1:B:378:ASP:CA	1:C:106:GLY:C[2_858]	2.00	0.20
1:B:384:GLY:C	1:C:101:ARG:NH2[2_858]	2.00	0.20
1:B:386:ASN:CA	1:C:110:ARG:CD[2_858]	2.00	0.20
1:B:392:VAL:CB	1:C:272:LYS:CA[2_858]	2.00	0.20
1:B:395:GLU:CG	1:C:248:TYR:OH[2_858]	2.00	0.20
1:B:399:ASP:CA	1:C:224:ARG:CA[2_858]	2.00	0.20
1:B:403:LYS:CE	1:C:218:LEU:CB[2_858]	2.00	0.20
1:D:2:PHE:CZ	1:E:100:ILE:CA[2_757]	2.00	0.20
1:D:5:ILE:CA	4:E:1502:AKG:O2[2_757]	2.00	0.20
1:D:11:VAL:O	1:E:287:PHE:CB[2_757]	2.00	0.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:13:GLU:OE2	1:E:128:PRO:CB[2_757]	2.00	0.20
1:D:31:LEU:CB	1:E:201:LEU:CD1[2_757]	2.00	0.20
1:D:34:PRO:C	1:E:296:ILE:N[2_757]	2.00	0.20
1:D:35:TYR:CD1	1:E:108:VAL:N[2_757]	2.00	0.20
1:D:39:ASP:OD1	1:E:292:LEU:CA[2_757]	2.00	0.20
1:D:65:ILE:CG1	1:E:124:ARG:O[2_757]	2.00	0.20
1:D:68:TYR:CE1	1:E:120:ARG:CB[2_757]	2.00	0.20
1:D:72:ILE:N	1:E:265:GLY:N[2_757]	2.00	0.20
1:D:109:PHE:CD2	3:F:1601:NDP:C2B[2_757]	2.00	0.20
1:D:130:ILE:CB	1:F:316:ARG:CB[2_757]	2.00	0.20
1:D:136:HIS:N	1:F:381:LEU:CG[2_757]	2.00	0.20
1:D:185:TYR:CA	1:F:389:SER:CB[2_757]	2.00	0.20
1:D:187:THR:N	1:F:390:ALA:C[2_757]	2.00	0.20
1:D:188:ASP:CB	1:F:374:ILE:N[2_757]	2.00	0.20
1:D:198:SER:CB	1:F:329:THR:CG2[2_757]	2.00	0.20
1:D:199:PHE:CZ	1:F:23:ILE:CD1[2_757]	2.00	0.20
1:D:204:ASP:CG	3:F:1601:NDP:C5N[2_757]	2.00	0.20
1:D:204:ASP:C	3:F:1601:NDP:C2N[2_757]	2.00	0.20
1:D:209:LEU:CG	1:F:19:MET:SD[2_757]	2.00	0.20
1:D:221:TYR:OH	1:F:388:ARG:C[2_757]	2.00	0.20
1:D:228:ILE:C	1:F:397:PHE:CB[2_757]	2.00	0.20
1:D:244:LEU:CD1	1:F:74:CYS:O[2_757]	2.00	0.20
1:D:244:LEU:C	1:F:16:GLY:CA[2_757]	2.00	0.20
1:D:249:GLU:C	1:F:321:TYR:CD1[2_757]	2.00	0.20
1:D:256:MET:CE	1:F:322:GLN:CA[2_757]	2.00	0.20
1:D:267:PHE:CG	1:F:322:GLN:NE2[2_757]	2.00	0.20
1:D:291:GLY:C	1:E:247:HIS:CA[2_757]	2.00	0.20
1:D:296:ILE:CB	1:E:259:GLN:OE1[2_757]	2.00	0.20
1:D:303:LYS:CE	1:F:125:TRP:CE3[2_757]	2.00	0.20
1:D:304:THR:CG2	1:F:121:LEU:CG[2_757]	2.00	0.20
1:D:304:THR:OG1	1:F:121:LEU:C[2_757]	2.00	0.20
1:D:329:THR:O	1:E:240:LYS:O[2_757]	2.00	0.20
1:D:337:ALA:C	1:E:267:PHE:CE1[2_757]	2.00	0.20
1:D:338:TRP:CA	1:E:267:PHE:O[2_757]	2.00	0.20
1:D:339:SER:CA	1:E:269:MET:CG[2_757]	2.00	0.20
1:D:339:SER:O	5:E:1532:HOH:O[2_757]	2.00	0.20
1:D:339:SER:C	1:E:269:MET:CE[2_757]	2.00	0.20
1:D:347:GLU:C	1:F:282:ILE:CD1[2_757]	2.00	0.20
1:D:358:ALA:C	1:E:270:ALA:O[2_757]	2.00	0.20
1:D:370:GLN:CA	1:E:232:VAL:N[2_757]	2.00	0.20
1:D:407:LYS:NZ	1:E:300:PRO:C[2_757]	2.00	0.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:408:GLU:O	1:E:134:HIS:ND1[2_757]	2.00	0.20
1:D:409:ILE:CA	1:E:136:HIS:N[2_757]	2.00	0.20
1:D:410:LYS:CG	1:E:105:GLY:CA[2_757]	2.00	0.20
1:E:235:ALA:O	5:D:1434:HOH:O[2_757]	2.00	0.20
1:E:47:VAL:O	1:E:178:SER:OG[2_657]	2.00	0.20
1:E:51:ASP:N	1:E:178:SER:CA[2_657]	2.00	0.20
1:E:55:ASP:C	1:F:157:TYR:OH[2_657]	2.00	0.20
1:E:56:LYS:CB	1:F:158:LYS:CA[2_657]	2.00	0.20
1:E:82:ALA:CA	1:F:227:ASP:CG[2_657]	2.00	0.20
1:E:85:LYS:CD	1:F:226:LYS:CA[2_657]	2.00	0.20
1:E:93:TRP:CE2	1:E:147:ILE:CB[2_657]	2.00	0.20
1:A:9:GLN:O	1:A:166:GLN:NE2[2_757]	2.01	0.19
1:A:15:ASP:C	1:A:154:GLU:CA[2_757]	2.01	0.19
1:A:19:MET:CE	1:B:162:PRO:CG[2_757]	2.01	0.19
1:A:43:TYR:N	1:A:170:LEU:N[2_757]	2.01	0.19
1:A:49:SER:CA	1:A:172:VAL:CG1[2_757]	2.01	0.19
1:A:50:ARG:CA	1:B:183:ALA:C[2_757]	2.01	0.19
1:A:55:ASP:O	1:B:182:MET:CG[2_757]	2.01	0.19
1:A:58:THR:N	1:B:182:MET:N[2_757]	2.01	0.19
1:A:65:ILE:C	1:B:149:GLY:O[2_757]	2.01	0.19
1:A:79:PRO:C	1:A:145:THR:CA[2_757]	2.01	0.19
1:A:89:LEU:CG	1:A:180:VAL:O[2_757]	2.01	0.19
1:A:89:LEU:CG	1:A:180:VAL:CG2[2_757]	2.01	0.19
1:A:91:LYS:N	1:B:221:TYR:CD2[2_757]	2.01	0.19
1:A:103:ILE:CB	1:B:173:TYR:CG[2_757]	2.01	0.19
1:A:123:PRO:CD	1:C:12:VAL:CA[2_858]	2.01	0.19
1:A:125:TRP:O	1:C:11:VAL:CB[2_858]	2.01	0.19
1:A:128:PRO:CB	1:C:7:VAL:CG2[2_858]	2.01	0.19
1:A:131:ILE:CG1	1:C:8:LYS:CE[2_858]	2.01	0.19
1:A:216:THR:C	1:E:5:ILE:C[2_757]	2.01	0.19
1:A:217:ILE:C	1:E:36:LEU:C[2_757]	2.01	0.19
1:A:219:LYS:CG	1:E:38:VAL:N[2_757]	2.01	0.19
1:A:219:LYS:N	1:E:37:ASP:C[2_757]	2.01	0.19
1:A:269:MET:CG	1:C:349:ASP:O[2_858]	2.01	0.19
1:A:312:GLY:O	1:B:167:PRO:CG[2_757]	2.01	0.19
1:A:314:VAL:N	1:B:167:PRO:CB[2_757]	2.01	0.19
1:A:317:HIS:CG	1:B:162:PRO:O[2_757]	2.01	0.19
1:A:326:GLU:N	1:F:303:LYS:N[2_657]	2.01	0.19
1:A:330:ASN:CB	1:F:63:GLU:O[2_657]	2.01	0.19
1:A:375:MET:CB	1:F:61:ALA:O[2_657]	2.01	0.19
1:A:378:ASP:OD1	1:F:64:ALA:CA[2_657]	2.01	0.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:395:GLU:OE2	1:F:301:ASP:CG[2_657]	2.01	0.19
1:B:21:ARG:CA	1:C:235:ALA:CB[2_858]	2.01	0.19
1:B:25:ASP:C	1:C:231:GLU:CD[2_858]	2.01	0.19
1:B:26:LYS:CB	1:C:227:ASP:O[2_858]	2.01	0.19
1:B:50:ARG:CD	1:E:358:ALA:C[2_757]	2.01	0.19
1:B:55:ASP:N	1:E:337:ALA:O[2_757]	2.01	0.19
1:B:57:ILE:C	1:E:336:PHE:CE1[2_757]	2.01	0.19
1:B:61:ALA:C	1:E:365:THR:O[2_757]	2.01	0.19
1:B:66:LYS:NZ	1:E:395:GLU:O[2_757]	2.01	0.19
1:B:76:THR:C	1:E:357:PHE:N[2_757]	2.01	0.19
1:B:77:ILE:N	1:E:357:PHE:N[2_757]	2.01	0.19
1:B:81:GLU:CA	1:E:8:LYS:CA[2_757]	2.01	0.19
1:B:83:ARG:NE	1:E:352:PRO:CG[2_757]	2.01	0.19
1:B:85:LYS:O	1:E:347:GLU:O[2_757]	2.01	0.19
1:B:85:LYS:CA	1:E:348:LEU:C[2_757]	2.01	0.19
1:B:93:TRP:CA	1:E:342:LEU:CG[2_757]	2.01	0.19
1:B:95:SER:CA	1:E:357:PHE:CG[2_757]	2.01	0.19
1:B:101:ARG:NH2	1:E:409:ILE:CB[2_757]	2.01	0.19
1:B:102:ASN:CB	1:E:30:LYS:O[2_757]	2.01	0.19
1:B:108:VAL:CG2	1:E:406:GLN:CB[2_757]	2.01	0.19
1:B:115:ILE:CG2	1:C:102:ASN:CG[2_858]	2.01	0.19
1:B:310:ALA:CA	1:E:410:LYS:CA[2_757]	2.01	0.19
1:B:320:LYS:CB	1:C:203:ILE:N[2_858]	2.01	0.19
1:B:322:GLN:O	1:C:241:PHE:CA[2_858]	2.01	0.19
1:B:327:THR:CA	1:C:198:SER:CB[2_858]	2.01	0.19
1:B:329:THR:CB	1:C:196:HIS:C[2_858]	2.01	0.19
1:B:332:ILE:CB	1:C:189:GLU:C[2_858]	2.01	0.19
1:B:359:ASN:CA	1:D:150:PRO:CB[2_858]	2.01	0.19
1:B:362:GLU:CG	1:D:176:LYS:CA[2_858]	2.01	0.19
1:B:367:ASN:OD1	1:D:173:TYR:CB[2_858]	2.01	0.19
1:B:383:CYS:CB	1:C:101:ARG:CG[2_858]	2.01	0.19
1:B:388:ARG:CD	1:C:131:ILE:CD1[2_858]	2.01	0.19
1:B:404:ARG:CG	1:D:181:ALA:CB[2_858]	2.01	0.19
1:B:409:ILE:N	1:C:168:GLN:CD[2_858]	2.01	0.19
1:B:410:LYS:CD	1:C:170:LEU:CD1[2_858]	2.01	0.19
1:C:325:GLU:CB	5:C:1316:HOH:O[2_958]	2.01	0.19
1:C:388:ARG:CG	1:C:392:VAL:CB[2_958]	2.01	0.19
1:D:6:LYS:O	1:E:281:ASP:OD1[2_757]	2.01	0.19
1:D:11:VAL:CA	1:E:287:PHE:CE1[2_757]	2.01	0.19
1:D:13:GLU:OE1	1:E:128:PRO:CG[2_757]	2.01	0.19
1:D:31:LEU:O	1:E:109:PHE:CG[2_757]	2.01	0.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:70:VAL:CA	1:E:125:TRP:NE1[2_757]	2.01	0.19
1:D:105:GLY:C	1:F:381:LEU:O[2_757]	2.01	0.19
1:D:134:HIS:NE2	1:F:377:LYS:CA[2_757]	2.01	0.19
1:D:188:ASP:CA	1:F:373:GLY:O[2_757]	2.01	0.19
1:D:197:SER:N	1:F:330:ASN:CB[2_757]	2.01	0.19
1:D:205:LYS:O	3:F:1601:NDP:C3D[2_757]	2.01	0.19
1:D:235:ALA:CB	1:F:31:LEU:CD1[2_757]	2.01	0.19
1:D:247:HIS:C	1:F:22:ILE:CG1[2_757]	2.01	0.19
1:D:266:GLY:N	1:F:319:ARG:CZ[2_757]	2.01	0.19
1:D:305:PHE:CD2	1:E:261:ILE:CG1[2_757]	2.01	0.19
1:D:333:ALA:CA	1:E:247:HIS:C[2_757]	2.01	0.19
1:D:354:LEU:N	1:E:274:TYR:O[2_757]	2.01	0.19
1:D:358:ALA:C	1:E:270:ALA:C[2_757]	2.01	0.19
1:D:371:GLN:N	1:E:231:GLU:CB[2_757]	2.01	0.19
1:D:375:MET:C	1:E:236:GLN:O[2_757]	2.01	0.19
1:D:375:MET:CE	1:E:235:ALA:CA[2_757]	2.01	0.19
1:D:376:THR:OG1	1:E:238:LYS:C[2_757]	2.01	0.19
1:D:379:LEU:CG	1:E:238:LYS:CA[2_757]	2.01	0.19
1:D:398:LEU:CD1	1:E:203:ILE:N[2_757]	2.01	0.19
1:D:398:LEU:CD2	1:E:200:LYS:C[2_757]	2.01	0.19
1:D:404:ARG:CD	1:E:192:GLU:C[2_757]	2.01	0.19
1:D:408:GLU:CG	1:E:190:SER:C[2_757]	2.01	0.19
1:E:43:TYR:CG	1:F:161:ASP:CB[2_657]	2.01	0.19
1:E:84:VAL:N	1:F:224:ARG:NH1[2_657]	2.01	0.19
1:E:90:HIS:CA	1:E:181:ALA:N[2_657]	2.01	0.19
1:E:91:LYS:CB	1:E:146:LEU:CA[2_657]	2.01	0.19
1:A:12:VAL:CB	1:A:167:PRO:C[2_757]	2.02	0.18
1:A:14:LEU:CD2	1:A:168:GLN:O[2_757]	2.02	0.18
1:A:17:ASP:C	1:B:158:LYS:CA[2_757]	2.02	0.18
1:A:44:ASP:O	1:A:172:VAL:CG2[2_757]	2.02	0.18
1:A:45:LEU:CA	1:A:172:VAL:CG2[2_757]	2.02	0.18
1:A:45:LEU:CB	1:A:154:GLU:O[2_757]	2.02	0.18
1:A:48:GLU:CA	1:B:185:TYR:CG[2_757]	2.02	0.18
1:A:49:SER:CB	1:A:172:VAL:CB[2_757]	2.02	0.18
1:A:59:GLN:C	1:B:181:ALA:C[2_757]	2.02	0.18
1:A:64:ALA:CA	1:B:147:ILE:CA[2_757]	2.02	0.18
1:A:66:LYS:O	1:B:149:GLY:N[2_757]	2.02	0.18
1:A:79:PRO:C	1:A:145:THR:O[2_757]	2.02	0.18
1:A:80:ASP:OD1	1:A:146:LEU:CD2[2_757]	2.02	0.18
1:A:90:HIS:C	1:B:225:PHE:CE1[2_757]	2.02	0.18
1:A:97:ASN:O	1:B:172:VAL:CA[2_757]	2.02	0.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:97:ASN:CA	1:B:171:LYS:CA[2_757]	2.02	0.18
1:A:100:ILE:CG2	1:B:153:LEU:CB[2_757]	2.02	0.18
1:A:129:ILE:CD1	1:C:345:ARG:CG[2_858]	2.02	0.18
1:A:208:ASN:N	1:C:352:PRO:CA[2_858]	2.02	0.18
1:A:208:ASN:C	1:C:352:PRO:CA[2_858]	2.02	0.18
1:A:215:ASN:CB	1:E:6:LYS:CB[2_757]	2.02	0.18
1:A:261:ILE:CD1	1:C:68:TYR:O[2_858]	2.02	0.18
1:A:262:LYS:CE	1:C:305:PHE:CD1[2_858]	2.02	0.18
1:A:263:SER:C	1:C:341:GLY:O[2_858]	2.02	0.18
1:A:317:HIS:C	1:B:162:PRO:CD[2_757]	2.02	0.18
1:A:328:SER:O	1:F:66:LYS:O[2_657]	2.02	0.18
1:A:332:ILE:CD1	1:F:60:ASP:N[2_657]	2.02	0.18
1:A:332:ILE:N	1:F:63:GLU:OE2[2_657]	2.02	0.18
1:A:365:THR:N	1:F:59:GLN:NE2[2_657]	2.02	0.18
1:A:366:LEU:CD2	1:F:56:LYS:O[2_657]	2.02	0.18
1:A:371:GLN:CB	1:F:50:ARG:NE[2_657]	2.02	0.18
1:A:376:THR:CA	1:F:65:ILE:CB[2_657]	2.02	0.18
1:A:378:ASP:O	1:F:41:LYS:CG[2_657]	2.02	0.18
1:A:388:ARG:CA	1:F:341:GLY:O[2_657]	2.02	0.18
1:A:390:ALA:C	1:F:71:GLY:CA[2_657]	2.02	0.18
1:A:393:THR:CB	1:F:299:THR:CG2[2_657]	2.02	0.18
1:A:403:LYS:NZ	1:F:140:TYR:CD2[2_657]	2.02	0.18
1:B:170:LEU:N	3:A:1101:NDP:C7N[2_757]	2.02	0.18
1:B:20:THR:CA	1:C:196:HIS:CE1[2_858]	2.02	0.18
1:B:26:LYS:CE	1:C:231:GLU:N[2_858]	2.02	0.18
1:B:40:LEU:CB	1:E:370:GLN:NE2[2_757]	2.02	0.18
1:B:41:LYS:CE	1:E:118:ILE:CG1[2_757]	2.02	0.18
1:B:50:ARG:NE	1:E:358:ALA:O[2_757]	2.02	0.18
1:B:54:SER:O	1:E:337:ALA:CA[2_757]	2.02	0.18
1:B:55:ASP:O	1:E:335:ILE:C[2_757]	2.02	0.18
1:B:64:ALA:N	1:E:397:PHE:CE1[2_757]	2.02	0.18
1:B:66:LYS:O	1:E:374:ILE:CB[2_757]	2.02	0.18
1:B:72:ILE:N	1:E:404:ARG:NH1[2_757]	2.02	0.18
1:B:76:THR:O	1:E:356:LYS:C[2_757]	2.02	0.18
1:B:83:ARG:NH2	1:E:352:PRO:CB[2_757]	2.02	0.18
1:B:88:ASN:CA	1:E:348:LEU:N[2_757]	2.02	0.18
1:B:91:LYS:CE	1:E:12:VAL:O[2_757]	2.02	0.18
1:B:98:GLY:O	1:E:30:LYS:C[2_757]	2.02	0.18
1:B:98:GLY:C	1:E:31:LEU:O[2_757]	2.02	0.18
1:B:101:ARG:NH2	1:E:406:GLN:O[2_757]	2.02	0.18
1:B:104:LEU:CG	1:E:402:GLU:N[2_757]	2.02	0.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:286:GLY:O	1:C:66:LYS:CG[2_858]	2.02	0.18
1:B:289:SER:N	1:C:299:THR:CB[2_858]	2.02	0.18
1:B:308:GLU:CB	1:E:408:GLU:N[2_757]	2.02	0.18
1:B:323:LYS:CA	1:C:246:ILE:N[2_858]	2.02	0.18
1:B:328:SER:CA	1:C:198:SER:CB[2_858]	2.02	0.18
1:B:356:LYS:CG	1:C:159:PRO:O[2_858]	2.02	0.18
1:B:364:ALA:N	1:D:175:TYR:CG[2_858]	2.02	0.18
1:B:369:VAL:C	1:C:137:GLY:C[2_858]	2.02	0.18
1:B:370:GLN:O	1:C:141:LYS:O[2_858]	2.02	0.18
1:B:376:THR:C	1:C:134:HIS:CA[2_858]	2.02	0.18
1:B:378:ASP:CB	1:C:298:VAL:O[2_858]	2.02	0.18
1:B:391:TYR:CE2	1:C:131:ILE:C[2_858]	2.02	0.18
1:B:392:VAL:CB	1:C:271:LEU:C[2_858]	2.02	0.18
1:B:397:PHE:CB	1:C:225:PHE:CE2[2_858]	2.02	0.18
1:B:408:GLU:OE1	1:D:153:LEU:CG[2_858]	2.02	0.18
1:E:409:ILE:CA	3:B:1201:NDP:N7N[2_757]	2.02	0.18
1:E:409:ILE:CB	4:B:1202:AKG:O1[2_757]	2.02	0.18
1:D:2:PHE:C	1:E:306:GLU:CD[2_757]	2.02	0.18
1:D:7:VAL:CA	1:E:281:ASP:N[2_757]	2.02	0.18
1:D:8:LYS:CB	1:F:258:ALA:CB[2_757]	2.02	0.18
1:D:11:VAL:CB	1:E:287:PHE:CD1[2_757]	2.02	0.18
1:D:36:LEU:O	1:E:295:SER:CB[2_757]	2.02	0.18
1:D:70:VAL:C	1:E:125:TRP:CD1[2_757]	2.02	0.18
1:D:111:GLU:O	1:E:249:GLU:OE1[2_757]	2.02	0.18
1:D:118:ILE:CA	1:E:234:GLU:OE2[2_757]	2.02	0.18
1:D:126:GLU:OE2	1:F:85:LYS:CG[2_757]	2.02	0.18
1:D:134:HIS:C	1:F:377:LYS:NZ[2_757]	2.02	0.18
1:D:185:TYR:CB	1:F:389:SER:OG[2_757]	2.02	0.18
1:D:186:ASN:CG	1:F:391:TYR:N[2_757]	2.02	0.18
1:D:213:THR:OG1	1:F:326:GLU:OE1[2_757]	2.02	0.18
1:D:232:VAL:CG2	1:F:397:PHE:CG[2_757]	2.02	0.18
1:D:234:GLU:CG	1:F:26:LYS:CA[2_757]	2.02	0.18
1:D:235:ALA:N	1:F:31:LEU:CD1[2_757]	2.02	0.18
1:D:237:TYR:CD2	1:F:334:SER:CA[2_757]	2.02	0.18
1:D:244:LEU:CD2	1:F:76:THR:CA[2_757]	2.02	0.18
1:D:248:TYR:N	1:F:22:ILE:N[2_757]	2.02	0.18
1:D:248:TYR:CZ	1:F:395:GLU:OE2[2_757]	2.02	0.18
1:D:252:LEU:O	1:F:324:GLY:C[2_757]	2.02	0.18
1:D:268:ILE:CD1	1:F:315:THR:CA[2_757]	2.02	0.18
1:D:297:LEU:O	1:E:262:LYS:CD[2_757]	2.02	0.18
1:D:303:LYS:CD	1:F:287:PHE:CB[2_757]	2.02	0.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:307:SER:C	1:E:267:PHE:CE2[2_757]	2.02	0.18
1:D:329:THR:C	1:E:241:PHE:CA[2_757]	2.02	0.18
1:D:335:ILE:CD1	1:E:198:SER:O[2_757]	2.02	0.18
1:D:336:PHE:CG	1:E:209:LEU:C[2_757]	2.02	0.18
1:D:336:PHE:CE1	1:E:248:TYR:CD1[2_757]	2.02	0.18
1:D:338:TRP:C	1:E:269:MET:N[2_757]	2.02	0.18
1:D:351:THR:C	1:E:278:VAL:CA[2_757]	2.02	0.18
1:D:352:PRO:O	1:E:274:TYR:CB[2_757]	2.02	0.18
1:D:357:PHE:O	1:E:271:LEU:N[2_757]	2.02	0.18
1:D:359:ASN:OD1	5:E:1517:HOH:O[2_757]	2.02	0.18
1:D:359:ASN:OD1	1:E:212:SER:O[2_757]	2.02	0.18
1:D:366:LEU:CG	1:E:248:TYR:CZ[2_757]	2.02	0.18
1:D:376:THR:CG2	1:E:240:LYS:C[2_757]	2.02	0.18
1:D:397:PHE:CG	1:E:237:TYR:CG[2_757]	2.02	0.18
1:D:398:LEU:CB	1:E:200:LYS:CA[2_757]	2.02	0.18
1:D:398:LEU:CG	1:E:203:ILE:CB[2_757]	2.02	0.18
1:D:401:VAL:N	1:E:196:HIS:C[2_757]	2.02	0.18
1:D:408:GLU:CA	1:E:190:SER:C[2_757]	2.02	0.18
1:E:50:ARG:N	1:E:149:GLY:C[2_657]	2.02	0.18
1:E:50:ARG:CA	1:E:149:GLY:O[2_657]	2.02	0.18
1:E:51:ASP:CG	1:E:179:GLY:N[2_657]	2.02	0.18
1:E:53:THR:CB	1:E:151:GLY:CA[2_657]	2.02	0.18
1:E:57:ILE:O	1:F:161:ASP:C[2_657]	2.02	0.18
1:A:2:PHE:C	1:E:154:GLU:C[2_657]	2.03	0.17
1:A:2:PHE:O	1:E:154:GLU:C[2_657]	2.03	0.17
1:A:10:PRO:O	1:A:166:GLN:N[2_757]	2.03	0.17
1:A:34:PRO:C	1:E:174:ASP:N[2_657]	2.03	0.17
1:A:45:LEU:CD2	1:A:155:LEU:CA[2_757]	2.03	0.17
1:A:50:ARG:O	1:B:184:MET:C[2_757]	2.03	0.17
1:A:59:GLN:CG	1:A:184:MET:O[2_757]	2.03	0.17
1:A:60:ASP:OD2	1:B:144:ASP:CB[2_757]	2.03	0.17
1:A:67:LYS:CG	1:B:148:PRO:CA[2_757]	2.03	0.17
1:A:86:GLU:CA	1:A:178:SER:CB[2_757]	2.03	0.17
1:A:87:PHE:O	1:B:186:ASN:C[2_757]	2.03	0.17
1:A:92:MET:CA	1:B:221:TYR:C[2_757]	2.03	0.17
1:A:100:ILE:O	1:B:173:TYR:CB[2_757]	2.03	0.17
1:A:104:LEU:O	1:B:174:ASP:O[2_757]	2.03	0.17
1:A:121:LEU:CA	1:C:41:LYS:CB[2_858]	2.03	0.17
1:A:123:PRO:CB	1:C:12:VAL:O[2_858]	2.03	0.17
1:A:127:LYS:C	1:C:7:VAL:CG2[2_858]	2.03	0.17
1:A:160:SER:C	1:A:305:PHE:CD2[2_757]	2.03	0.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:217:ILE:C	1:E:37:ASP:N[2_757]	2.03	0.17
1:A:220:LYS:CE	1:E:39:ASP:OD1[2_757]	2.03	0.17
1:A:262:LYS:CA	1:C:305:PHE:N[2_858]	2.03	0.17
1:A:267:PHE:CE2	1:C:345:ARG:N[2_858]	2.03	0.17
1:A:287:PHE:CZ	1:C:7:VAL:CG1[2_858]	2.03	0.17
1:A:320:LYS:CE	1:B:163:THR:CG2[2_757]	2.03	0.17
1:A:325:GLU:O	1:F:303:LYS:CG[2_657]	2.03	0.17
1:A:328:SER:O	1:F:68:TYR:N[2_657]	2.03	0.17
1:A:366:LEU:O	1:F:55:ASP:O[2_657]	2.03	0.17
1:A:366:LEU:O	1:F:58:THR:CA[2_657]	2.03	0.17
1:A:367:ASN:CA	1:F:58:THR:OG1[2_657]	2.03	0.17
1:A:377:LYS:N	1:F:65:ILE:CA[2_657]	2.03	0.17
1:A:378:ASP:CB	1:F:68:TYR:CZ[2_657]	2.03	0.17
1:A:385:ASN:O	1:F:11:VAL:O[2_657]	2.03	0.17
1:A:385:ASN:OD1	1:F:13:GLU:OE1[2_657]	2.03	0.17
1:A:401:VAL:CA	1:F:99:THR:O[2_657]	2.03	0.17
1:B:12:VAL:CB	1:E:366:LEU:C[2_757]	2.03	0.17
1:B:12:VAL:N	1:E:370:GLN:N[2_757]	2.03	0.17
1:B:14:LEU:CB	1:E:363:SER:N[2_757]	2.03	0.17
1:B:39:ASP:OD1	1:E:117:ARG:CA[2_757]	2.03	0.17
1:B:51:ASP:OD2	1:E:344:LYS:CB[2_757]	2.03	0.17
1:B:53:THR:O	1:E:307:SER:OG[2_757]	2.03	0.17
1:B:61:ALA:C	1:E:365:THR:C[2_757]	2.03	0.17
1:B:66:LYS:NZ	1:E:396:GLU:O[2_757]	2.03	0.17
1:B:67:LYS:N	1:E:374:ILE:C[2_757]	2.03	0.17
1:B:68:TYR:O	1:E:373:GLY:N[2_757]	2.03	0.17
1:B:91:LYS:O	1:E:345:ARG:CG[2_757]	2.03	0.17
1:B:93:TRP:NE1	1:E:342:LEU:C[2_757]	2.03	0.17
1:B:94:LYS:O	1:E:342:LEU:CD1[2_757]	2.03	0.17
1:B:95:SER:OG	1:E:357:PHE:CD1[2_757]	2.03	0.17
1:B:97:ASN:CG	1:E:409:ILE:CG1[2_757]	2.03	0.17
1:B:101:ARG:NH1	1:E:35:TYR:CE2[2_757]	2.03	0.17
1:B:119:PRO:CB	1:C:100:ILE:CG1[2_858]	2.03	0.17
1:B:120:ARG:CB	1:C:62:ALA:O[2_858]	2.03	0.17
1:B:290:LEU:CA	1:C:301:ASP:CG[2_858]	2.03	0.17
1:B:317:HIS:CG	1:C:197:SER:O[2_858]	2.03	0.17
1:B:321:TYR:CE2	1:C:238:LYS:CA[2_858]	2.03	0.17
1:B:328:SER:C	1:C:198:SER:OG[2_858]	2.03	0.17
1:B:331:SER:N	1:C:192:GLU:CA[2_858]	2.03	0.17
1:B:355:CYS:CA	1:C:161:ASP:CB[2_858]	2.03	0.17
1:B:359:ASN:C	1:D:150:PRO:CA[2_858]	2.03	0.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:364:ALA:CB	1:D:147:ILE:CG1[2_858]	2.03	0.17
1:B:368:THR:C	1:C:138:ASP:N[2_858]	2.03	0.17
1:B:371:GLN:N	1:C:141:LYS:O[2_858]	2.03	0.17
1:B:373:GLY:C	1:C:138:ASP:CB[2_858]	2.03	0.17
1:B:376:THR:O	1:C:133:ARG:O[2_858]	2.03	0.17
1:B:380:ALA:C	1:C:108:VAL:CB[2_858]	2.03	0.17
1:B:382:ALA:N	1:C:297:LEU:CD2[2_858]	2.03	0.17
1:B:386:ASN:OD1	1:C:296:ILE:N[2_858]	2.03	0.17
1:B:386:ASN:N	1:C:295:SER:OG[2_858]	2.03	0.17
1:B:389:SER:CA	1:C:275:ASP:O[2_858]	2.03	0.17
1:B:391:TYR:N	1:C:133:ARG:CG[2_858]	2.03	0.17
1:B:393:THR:OG1	1:C:211:LEU:CD1[2_858]	2.03	0.17
1:B:407:LYS:CA	1:D:145:THR:CB[2_858]	2.03	0.17
1:C:325:GLU:CG	1:C:329:THR:OG1[2_958]	2.03	0.17
1:C:326:GLU:OE1	1:C:377:LYS:CB[2_958]	2.03	0.17
1:D:2:PHE:N	1:E:297:LEU:CD2[2_757]	2.03	0.17
1:D:2:PHE:CE1	1:E:99:THR:O[2_757]	2.03	0.17
1:D:6:LYS:CE	1:E:311:HIS:CA[2_757]	2.03	0.17
1:D:41:LYS:C	1:E:114:VAL:CG1[2_757]	2.03	0.17
1:D:43:TYR:CD1	1:E:120:ARG:CZ[2_757]	2.03	0.17
1:D:70:VAL:O	1:E:125:TRP:CZ3[2_757]	2.03	0.17
1:D:127:LYS:CD	1:F:86:GLU:CD[2_757]	2.03	0.17
1:D:136:HIS:CG	1:F:385:ASN:C[2_757]	2.03	0.17
1:D:137:GLY:O	1:F:386:ASN:O[2_757]	2.03	0.17
1:D:189:GLU:OE2	1:F:118:ILE:CD1[2_757]	2.03	0.17
1:D:199:PHE:O	1:F:20:THR:CG2[2_757]	2.03	0.17
1:D:228:ILE:O	1:F:397:PHE:CB[2_757]	2.03	0.17
1:D:234:GLU:CB	1:F:26:LYS:C[2_757]	2.03	0.17
1:D:235:ALA:C	1:F:335:ILE:CG1[2_757]	2.03	0.17
1:D:237:TYR:CB	1:F:334:SER:CB[2_757]	2.03	0.17
1:D:239:SER:N	1:F:24:TRP:CG[2_757]	2.03	0.17
1:D:239:SER:CA	1:F:24:TRP:NE1[2_757]	2.03	0.17
1:D:243:GLN:C	1:F:15:ASP:N[2_757]	2.03	0.17
1:D:245:GLY:CA	1:F:16:GLY:O[2_757]	2.03	0.17
1:D:251:ARG:NH1	1:F:322:GLN:C[2_757]	2.03	0.17
1:D:256:MET:O	1:F:323:LYS:CG[2_757]	2.03	0.17
1:D:268:ILE:CA	1:F:318:TYR:N[2_757]	2.03	0.17
1:D:269:MET:N	1:F:317:HIS:C[2_757]	2.03	0.17
1:D:271:LEU:CB	1:F:320:LYS:CE[2_757]	2.03	0.17
1:D:299:THR:OG1	1:F:121:LEU:CD1[2_757]	2.03	0.17
1:D:301:ASP:CA	5:F:1642:HOH:O[2_757]	2.03	0.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:301:ASP:C	1:F:289:SER:N[2_757]	2.03	0.17
1:D:303:LYS:N	1:F:285:GLN:CA[2_757]	2.03	0.17
1:D:306:GLU:N	1:E:263:SER:CA[2_757]	2.03	0.17
1:D:329:THR:OG1	1:E:243:GLN:C[2_757]	2.03	0.17
1:D:330:ASN:ND2	1:E:241:PHE:CD1[2_757]	2.03	0.17
1:D:340:ARG:CZ	1:E:251:ARG:N[2_757]	2.03	0.17
1:D:344:LYS:CA	1:E:257:VAL:CB[2_757]	2.03	0.17
1:D:349:ASP:CB	1:E:282:ILE:CG1[2_757]	2.03	0.17
1:D:351:THR:CB	1:E:278:VAL:O[2_757]	2.03	0.17
1:D:367:ASN:CG	1:E:228:ILE:C[2_757]	2.03	0.17
1:D:368:THR:C	1:E:232:VAL:C[2_757]	2.03	0.17
1:D:369:VAL:CG1	1:E:234:GLU:CA[2_757]	2.03	0.17
1:D:397:PHE:CD1	1:E:237:TYR:CD1[2_757]	2.03	0.17
1:D:409:ILE:N	1:E:134:HIS:CD2[2_757]	2.03	0.17
1:D:411:SER:CB	1:E:136:HIS:CG[2_757]	2.03	0.17
1:E:237:TYR:CB	5:D:1420:HOH:O[2_757]	2.03	0.17
1:E:56:LYS:O	1:F:159:PRO:CD[2_657]	2.03	0.17
1:E:86:GLU:OE1	1:F:231:GLU:OE1[2_657]	2.03	0.17
1:E:91:LYS:CD	1:E:145:THR:OG1[2_657]	2.03	0.17
1:E:91:LYS:N	1:E:180:VAL:CA[2_657]	2.03	0.17
1:A:12:VAL:C	1:A:167:PRO:CA[2_757]	2.04	0.16
1:A:13:GLU:CA	1:A:168:GLN:O[2_757]	2.04	0.16
1:A:13:GLU:C	1:A:169:THR:CB[2_757]	2.04	0.16
1:A:29:LYS:CE	1:E:176:LYS:C[2_657]	2.04	0.16
1:A:34:PRO:CB	1:E:173:TYR:C[2_657]	2.04	0.16
1:A:45:LEU:CG	1:A:155:LEU:C[2_757]	2.04	0.16
1:A:46:SER:CB	1:A:173:TYR:O[2_757]	2.04	0.16
1:A:48:GLU:CD	1:A:173:TYR:CG[2_757]	2.04	0.16
1:A:48:GLU:CA	1:A:173:TYR:CB[2_757]	2.04	0.16
1:A:50:ARG:CA	1:B:184:MET:N[2_757]	2.04	0.16
1:A:51:ASP:CB	1:B:185:TYR:CB[2_757]	2.04	0.16
1:A:59:GLN:OE1	1:A:185:TYR:C[2_757]	2.04	0.16
1:A:60:ASP:N	1:B:181:ALA:CB[2_757]	2.04	0.16
1:A:65:ILE:CD1	1:A:157:TYR:CG[2_757]	2.04	0.16
1:A:74:CYS:N	5:B:1213:HOH:O[2_757]	2.04	0.16
1:A:77:ILE:C	1:A:145:THR:CG2[2_757]	2.04	0.16
1:A:81:GLU:OE1	1:B:227:ASP:CG[2_757]	2.04	0.16
1:A:85:LYS:CB	1:B:188:ASP:OD1[2_757]	2.04	0.16
1:A:86:GLU:CD	1:A:178:SER:CA[2_757]	2.04	0.16
1:A:87:PHE:CD2	1:A:175:TYR:CE2[2_757]	2.04	0.16
1:A:89:LEU:N	1:B:187:THR:N[2_757]	2.04	0.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:90:HIS:N	1:B:186:ASN:CB[2_757]	2.04	0.16
1:A:97:ASN:CG	1:B:170:LEU:CA[2_757]	2.04	0.16
1:A:103:ILE:CG2	1:B:175:TYR:CG[2_757]	2.04	0.16
1:A:122:VAL:C	1:C:12:VAL:CG2[2_858]	2.04	0.16
1:A:146:LEU:O	5:A:1113:HOH:O[2_757]	2.04	0.16
1:A:149:GLY:CA	1:A:319:ARG:CZ[2_757]	2.04	0.16
1:A:160:SER:O	1:A:305:PHE:CE2[2_757]	2.04	0.16
1:A:163:THR:CA	1:A:349:ASP:OD1[2_757]	2.04	0.16
1:A:206:LYS:C	1:C:356:LYS:CB[2_858]	2.04	0.16
1:A:217:ILE:O	1:E:37:ASP:N[2_757]	2.04	0.16
1:A:246:ILE:CD1	1:C:356:LYS:CE[2_858]	2.04	0.16
1:A:262:LYS:CD	1:C:305:PHE:CG[2_858]	2.04	0.16
1:A:262:LYS:CB	1:C:305:PHE:CD2[2_858]	2.04	0.16
1:A:268:ILE:CG2	1:C:350:ASN:O[2_858]	2.04	0.16
1:A:287:PHE:C	1:C:39:ASP:CB[2_858]	2.04	0.16
1:A:318:TYR:CA	1:B:162:PRO:N[2_757]	2.04	0.16
1:A:329:THR:N	1:F:67:LYS:N[2_657]	2.04	0.16
1:A:366:LEU:C	1:F:55:ASP:C[2_657]	2.04	0.16
1:A:391:TYR:CE1	1:F:70:VAL:CB[2_657]	2.04	0.16
1:A:399:ASP:CB	1:F:101:ARG:C[2_657]	2.04	0.16
1:A:399:ASP:CA	1:F:102:ASN:O[2_657]	2.04	0.16
1:A:402:GLU:N	1:F:102:ASN:CB[2_657]	2.04	0.16
1:A:404:ARG:CG	1:F:99:THR:OG1[2_657]	2.04	0.16
1:A:404:ARG:NH2	1:F:94:LYS:C[2_657]	2.04	0.16
1:A:406:GLN:CG	1:F:141:LYS:CD[2_657]	2.04	0.16
1:B:170:LEU:CD2	4:A:1102:AKG:C4[2_757]	2.04	0.16
1:B:14:LEU:CB	1:E:364:ALA:N[2_757]	2.04	0.16
1:B:19:MET:SD	1:C:237:TYR:CD1[2_858]	2.04	0.16
1:B:43:TYR:CD2	1:E:366:LEU:CG[2_757]	2.04	0.16
1:B:45:LEU:CD1	1:E:361:LEU:O[2_757]	2.04	0.16
1:B:50:ARG:CA	1:E:340:ARG:N[2_757]	2.04	0.16
1:B:50:ARG:CA	1:E:340:ARG:CA[2_757]	2.04	0.16
1:B:50:ARG:CD	1:E:358:ALA:O[2_757]	2.04	0.16
1:B:54:SER:CA	1:E:337:ALA:O[2_757]	2.04	0.16
1:B:57:ILE:CD1	1:E:336:PHE:CD2[2_757]	2.04	0.16
1:B:59:GLN:C	1:E:335:ILE:CD1[2_757]	2.04	0.16
1:B:67:LYS:O	1:E:374:ILE:CA[2_757]	2.04	0.16
1:B:68:TYR:CA	1:E:374:ILE:CA[2_757]	2.04	0.16
1:B:68:TYR:CB	1:E:373:GLY:CA[2_757]	2.04	0.16
1:B:73:LYS:CB	1:E:408:GLU:OE2[2_757]	2.04	0.16
1:B:76:THR:CA	1:E:356:LYS:C[2_757]	2.04	0.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:77:ILE:CG2	1:E:355:CYS:N[2_757]	2.04	0.16
1:B:77:ILE:N	1:E:356:LYS:O[2_757]	2.04	0.16
1:B:82:ALA:O	1:E:350:ASN:O[2_757]	2.04	0.16
1:B:89:LEU:C	1:E:344:LYS:C[2_757]	2.04	0.16
1:B:91:LYS:C	1:E:345:ARG:CG[2_757]	2.04	0.16
1:B:92:MET:N	1:E:345:ARG:CD[2_757]	2.04	0.16
1:B:95:SER:N	1:E:36:LEU:CD1[2_757]	2.04	0.16
1:B:95:SER:O	1:E:357:PHE:CE2[2_757]	2.04	0.16
1:B:96:PRO:O	1:E:405:LEU:CD1[2_757]	2.04	0.16
1:B:102:ASN:OD1	1:E:30:LYS:CA[2_757]	2.04	0.16
1:B:103:ILE:O	1:E:398:LEU:O[2_757]	2.04	0.16
1:B:122:VAL:N	1:C:65:ILE:CB[2_858]	2.04	0.16
1:B:311:HIS:N	1:E:411:SER:CA[2_757]	2.04	0.16
1:B:317:HIS:CG	1:C:196:HIS:O[2_858]	2.04	0.16
1:B:319:ARG:C	1:C:203:ILE:CA[2_858]	2.04	0.16
1:B:322:GLN:N	1:C:241:PHE:CB[2_858]	2.04	0.16
1:B:329:THR:O	1:C:194:PHE:CA[2_858]	2.04	0.16
1:B:329:THR:OG1	1:C:195:ALA:C[2_858]	2.04	0.16
1:B:331:SER:CB	1:C:191:ILE:C[2_858]	2.04	0.16
1:B:357:PHE:O	1:D:149:GLY:C[2_858]	2.04	0.16
1:B:360:ILE:CA	1:D:149:GLY:O[2_858]	2.04	0.16
1:B:365:THR:CG2	1:C:188:ASP:N[2_858]	2.04	0.16
1:B:370:GLN:OE1	1:C:141:LYS:CE[2_858]	2.04	0.16
1:B:375:MET:CA	1:C:134:HIS:CB[2_858]	2.04	0.16
1:B:382:ALA:N	1:C:297:LEU:CB[2_858]	2.04	0.16
1:B:383:CYS:C	1:C:101:ARG:CZ[2_858]	2.04	0.16
1:B:388:ARG:CG	1:C:131:ILE:CA[2_858]	2.04	0.16
1:B:389:SER:N	1:C:276:GLY:O[2_858]	2.04	0.16
1:E:405:LEU:C	5:B:1216:HOH:O[2_757]	2.04	0.16
1:C:85:LYS:NZ	1:C:87:PHE:C[2_958]	2.04	0.16
1:C:388:ARG:NE	1:C:391:TYR:O[2_958]	2.04	0.16
1:D:4:LYS:CD	1:E:295:SER:CB[2_757]	2.04	0.16
1:D:9:GLN:C	1:E:285:GLN:CB[2_757]	2.04	0.16
1:D:9:GLN:OE1	1:E:285:GLN:OE1[2_757]	2.04	0.16
1:D:24:TRP:CZ2	1:E:128:PRO:O[2_757]	2.04	0.16
1:D:35:TYR:CG	1:E:108:VAL:CB[2_757]	2.04	0.16
1:D:65:ILE:O	1:E:122:VAL:CG1[2_757]	2.04	0.16
1:D:72:ILE:C	1:E:265:GLY:O[2_757]	2.04	0.16
1:D:106:GLY:O	1:F:381:LEU:CD1[2_757]	2.04	0.16
1:D:132:GLY:CA	1:F:317:HIS:CD2[2_757]	2.04	0.16
1:D:188:ASP:CB	1:F:373:GLY:C[2_757]	2.04	0.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:191:ILE:CG2	1:F:392:VAL:CA[2_757]	2.04	0.16
1:D:211:LEU:CD2	1:F:327:THR:O[2_757]	2.04	0.16
1:D:228:ILE:N	1:F:396:GLU:CB[2_757]	2.04	0.16
1:D:229:PHE:CE2	1:F:328:SER:C[2_757]	2.04	0.16
1:D:241:PHE:CD2	1:F:20:THR:O[2_757]	2.04	0.16
1:D:244:LEU:CD2	1:F:76:THR:N[2_757]	2.04	0.16
1:D:256:MET:CE	1:F:323:LYS:CA[2_757]	2.04	0.16
1:D:268:ILE:CG1	1:F:316:ARG:N[2_757]	2.04	0.16
1:D:268:ILE:CG2	1:F:314:VAL:O[2_757]	2.04	0.16
1:D:296:ILE:O	1:E:259:GLN:CD[2_757]	2.04	0.16
1:D:299:THR:O	1:F:285:GLN:NE2[2_757]	2.04	0.16
1:D:303:LYS:CA	1:F:285:GLN:C[2_757]	2.04	0.16
1:D:303:LYS:CG	1:F:286:GLY:CA[2_757]	2.04	0.16
1:D:329:THR:CA	1:E:244:LEU:N[2_757]	2.04	0.16
1:D:336:PHE:CE2	1:E:211:LEU:N[2_757]	2.04	0.16
1:D:336:PHE:O	1:E:210:PHE:CG[2_757]	2.04	0.16
1:D:338:TRP:CG	1:E:268:ILE:N[2_757]	2.04	0.16
1:D:343:LEU:CD1	1:E:212:SER:OG[2_757]	2.04	0.16
1:D:356:LYS:CA	1:E:272:LYS:C[2_757]	2.04	0.16
1:D:362:GLU:OE1	1:E:211:LEU:CA[2_757]	2.04	0.16
1:D:363:SER:C	1:E:229:PHE:CG[2_757]	2.04	0.16
1:D:366:LEU:CA	1:E:229:PHE:CA[2_757]	2.04	0.16
1:D:375:MET:C	1:E:237:TYR:N[2_757]	2.04	0.16
1:D:407:LYS:CD	1:E:300:PRO:CB[2_757]	2.04	0.16
1:E:48:GLU:C	1:E:177:GLY:O[2_657]	2.04	0.16
1:E:51:ASP:CA	1:E:179:GLY:N[2_657]	2.04	0.16
1:E:53:THR:CB	1:E:150:PRO:O[2_657]	2.04	0.16
1:E:54:SER:C	1:F:157:TYR:CZ[2_657]	2.04	0.16
1:E:55:ASP:CG	5:F:1620:HOH:O[2_657]	2.04	0.16
1:E:59:GLN:O	1:F:162:PRO:CG[2_657]	2.04	0.16
1:E:61:ALA:C	1:F:163:THR:CB[2_657]	2.04	0.16
1:E:86:GLU:O	1:F:228:ILE:CG2[2_657]	2.04	0.16
1:E:86:GLU:N	1:F:228:ILE:CA[2_657]	2.04	0.16
1:E:90:HIS:C	1:E:181:ALA:N[2_657]	2.04	0.16
1:E:99:THR:CG2	1:F:166:GLN:OE1[2_657]	2.04	0.16
1:E:99:THR:C	1:F:166:GLN:CD[2_657]	2.04	0.16
1:A:18:GLU:OE1	1:B:157:TYR:CD2[2_757]	2.05	0.15
1:A:43:TYR:CA	1:A:170:LEU:N[2_757]	2.05	0.15
1:A:43:TYR:N	1:A:170:LEU:CG[2_757]	2.05	0.15
1:A:51:ASP:O	1:B:138:ASP:CA[2_757]	2.05	0.15
1:A:53:THR:O	1:B:142:ALA:CB[2_757]	2.05	0.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:63:GLU:CD	1:B:179:GLY:CA[2_757]	2.05	0.15
1:A:66:LYS:CD	1:B:177:GLY:C[2_757]	2.05	0.15
1:A:66:LYS:CE	1:B:177:GLY:O[2_757]	2.05	0.15
1:A:75:ALA:C	1:B:156:VAL:CB[2_757]	2.05	0.15
1:A:86:GLU:CA	1:B:188:ASP:OD2[2_757]	2.05	0.15
1:A:86:GLU:OE1	1:A:148:PRO:CA[2_757]	2.05	0.15
1:A:86:GLU:CA	1:A:178:SER:CA[2_757]	2.05	0.15
1:A:89:LEU:N	1:B:186:ASN:C[2_757]	2.05	0.15
1:A:92:MET:CA	1:B:221:TYR:CG[2_757]	2.05	0.15
1:A:94:LYS:CD	1:A:142:ALA:CB[2_757]	2.05	0.15
1:A:117:ARG:NE	1:F:44:ASP:C[2_657]	2.05	0.15
1:A:119:PRO:C	1:C:42:TYR:N[2_858]	2.05	0.15
1:A:125:TRP:CE2	1:C:345:ARG:CZ[2_858]	2.05	0.15
1:A:126:GLU:CD	1:C:338:TRP:CA[2_858]	2.05	0.15
1:A:214:LYS:CD	1:E:3:SER:CB[2_757]	2.05	0.15
1:A:219:LYS:CD	1:E:38:VAL:N[2_757]	2.05	0.15
1:A:262:LYS:CB	1:C:305:PHE:CB[2_858]	2.05	0.15
1:A:267:PHE:CD2	1:C:346:GLY:C[2_858]	2.05	0.15
1:A:283:VAL:C	1:C:9:GLN:OE1[2_858]	2.05	0.15
1:A:286:GLY:CA	1:C:68:TYR:CD2[2_858]	2.05	0.15
1:A:287:PHE:CA	1:C:39:ASP:O[2_858]	2.05	0.15
1:A:306:GLU:OE2	1:B:154:GLU:CG[2_757]	2.05	0.15
1:A:314:VAL:N	1:B:167:PRO:CG[2_757]	2.05	0.15
1:A:317:HIS:CA	1:B:162:PRO:CB[2_757]	2.05	0.15
1:A:328:SER:N	1:F:66:LYS:O[2_657]	2.05	0.15
1:A:332:ILE:CG1	1:F:63:GLU:CD[2_657]	2.05	0.15
1:A:366:LEU:CD1	1:F:56:LYS:CD[2_657]	2.05	0.15
1:A:367:ASN:CA	1:F:55:ASP:O[2_657]	2.05	0.15
1:A:367:ASN:O	1:F:58:THR:CG2[2_657]	2.05	0.15
1:A:370:GLN:CD	1:F:57:ILE:CG2[2_657]	2.05	0.15
1:A:380:ALA:C	1:F:41:LYS:O[2_657]	2.05	0.15
1:A:381:LEU:N	1:F:11:VAL:O[2_657]	2.05	0.15
1:A:386:ASN:C	1:F:11:VAL:CB[2_657]	2.05	0.15
1:A:388:ARG:NH1	1:F:305:PHE:CB[2_657]	2.05	0.15
1:A:395:GLU:C	1:F:105:GLY:N[2_657]	2.05	0.15
1:A:396:GLU:CD	1:F:297:LEU:CG[2_657]	2.05	0.15
1:A:402:GLU:CD	5:F:1640:HOH:O[2_657]	2.05	0.15
1:A:403:LYS:CE	1:F:140:TYR:CG[2_657]	2.05	0.15
1:A:406:GLN:CB	1:F:141:LYS:C[2_657]	2.05	0.15
1:B:166:GLN:NE2	3:A:1101:NDP:O3B[2_757]	2.05	0.15
1:C:40:LEU:CD2	5:A:1128:HOH:O[2_858]	2.05	0.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:5:ILE:CG2	1:C:163:THR:O[2_858]	2.05	0.15
1:B:11:VAL:CA	1:E:371:GLN:CA[2_757]	2.05	0.15
1:B:20:THR:OG1	1:C:236:GLN:NE2[2_858]	2.05	0.15
1:B:22:ILE:CG2	1:C:232:VAL:CA[2_858]	2.05	0.15
1:B:48:GLU:CG	1:E:347:GLU:OE2[2_757]	2.05	0.15
1:B:56:LYS:CA	1:E:336:PHE:N[2_757]	2.05	0.15
1:B:56:LYS:O	1:E:335:ILE:C[2_757]	2.05	0.15
1:B:59:GLN:N	1:E:335:ILE:C[2_757]	2.05	0.15
1:B:60:ASP:CG	1:E:332:ILE:O[2_757]	2.05	0.15
1:B:60:ASP:O	1:E:332:ILE:CD1[2_757]	2.05	0.15
1:B:71:GLY:CA	1:E:404:ARG:CZ[2_757]	2.05	0.15
1:B:97:ASN:CB	1:E:405:LEU:CD2[2_757]	2.05	0.15
1:B:117:ARG:C	1:C:102:ASN:CB[2_858]	2.05	0.15
1:B:121:LEU:C	1:C:65:ILE:CG1[2_858]	2.05	0.15
1:B:140:TYR:C	1:E:34:PRO:CG[2_757]	2.05	0.15
1:B:141:LYS:CE	1:E:29:LYS:CB[2_757]	2.05	0.15
1:B:261:ILE:CA	1:C:67:LYS:CG[2_858]	2.05	0.15
1:B:291:GLY:N	1:C:300:PRO:CG[2_858]	2.05	0.15
1:B:317:HIS:ND1	1:C:197:SER:N[2_858]	2.05	0.15
1:B:320:LYS:CE	1:C:201:LEU:CD2[2_858]	2.05	0.15
1:B:321:TYR:CE2	1:C:233:TYR:CD1[2_858]	2.05	0.15
1:B:321:TYR:O	1:C:241:PHE:CE2[2_858]	2.05	0.15
1:B:321:TYR:CD1	1:C:233:TYR:CE1[2_858]	2.05	0.15
1:B:324:GLY:N	1:C:247:HIS:CA[2_858]	2.05	0.15
1:B:329:THR:CA	1:C:193:GLY:O[2_858]	2.05	0.15
1:B:331:SER:OG	1:C:192:GLU:CA[2_858]	2.05	0.15
1:B:334:SER:CA	1:C:192:GLU:OE2[2_858]	2.05	0.15
1:B:357:PHE:C	1:D:149:GLY:CA[2_858]	2.05	0.15
1:B:359:ASN:N	1:D:150:PRO:CB[2_858]	2.05	0.15
1:B:365:THR:CG2	1:C:187:THR:O[2_858]	2.05	0.15
1:B:368:THR:OG1	1:C:186:ASN:CB[2_858]	2.05	0.15
1:B:371:GLN:O	1:C:139:GLN:CA[2_858]	2.05	0.15
1:B:378:ASP:CG	1:C:107:THR:N[2_858]	2.05	0.15
1:B:386:ASN:CG	1:C:295:SER:C[2_858]	2.05	0.15
1:B:389:SER:C	1:C:275:ASP:O[2_858]	2.05	0.15
1:B:391:TYR:CZ	1:C:131:ILE:O[2_858]	2.05	0.15
1:B:395:GLU:N	1:C:229:PHE:CB[2_858]	2.05	0.15
1:B:395:GLU:O	1:C:225:PHE:CB[2_858]	2.05	0.15
1:B:401:VAL:CA	1:D:180:VAL:CB[2_858]	2.05	0.15
1:B:406:GLN:CB	1:D:145:THR:CA[2_858]	2.05	0.15
1:B:411:SER:O	1:C:157:TYR:N[2_858]	2.05	0.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:316:ARG:N	1:C:323:LYS:CB[2_958]	2.05	0.15
1:C:316:ARG:C	1:C:320:LYS:C[2_958]	2.05	0.15
1:C:317:HIS:ND1	1:C:325:GLU:N[2_958]	2.05	0.15
1:C:388:ARG:CD	1:C:392:VAL:N[2_958]	2.05	0.15
1:D:4:LYS:CD	1:E:308:GLU:CG[2_757]	2.05	0.15
1:D:6:LYS:CD	1:E:311:HIS:O[2_757]	2.05	0.15
1:D:24:TRP:N	1:E:206:LYS:N[2_757]	2.05	0.15
1:D:35:TYR:CZ	1:E:107:THR:CA[2_757]	2.05	0.15
1:D:35:TYR:CA	1:E:108:VAL:CA[2_757]	2.05	0.15
1:D:39:ASP:CG	1:E:289:SER:O[2_757]	2.05	0.15
1:D:70:VAL:CA	1:E:125:TRP:CH2[2_757]	2.05	0.15
1:D:81:GLU:O	1:D:88:ASN:CA[2_858]	2.05	0.15
1:D:86:GLU:N	1:D:86:GLU:N[2_858]	2.05	0.15
1:D:188:ASP:C	1:F:374:ILE:C[2_757]	2.05	0.15
1:D:191:ILE:CG2	1:F:392:VAL:O[2_757]	2.05	0.15
1:D:194:PHE:CE2	5:F:1652:HOH:O[2_757]	2.05	0.15
1:D:201:LEU:N	3:F:1601:NDP:N7A[2_757]	2.05	0.15
1:D:210:PHE:CG	1:F:321:TYR:C[2_757]	2.05	0.15
1:D:227:ASP:C	1:F:395:GLU:O[2_757]	2.05	0.15
1:D:228:ILE:CB	1:F:392:VAL:CG2[2_757]	2.05	0.15
1:D:228:ILE:CG1	1:F:392:VAL:CG2[2_757]	2.05	0.15
1:D:238:LYS:CE	1:F:25:ASP:CA[2_757]	2.05	0.15
1:D:243:GLN:OE1	1:F:14:LEU:N[2_757]	2.05	0.15
1:D:246:ILE:CD1	1:F:17:ASP:C[2_757]	2.05	0.15
1:D:267:PHE:CE1	1:F:319:ARG:CA[2_757]	2.05	0.15
1:D:271:LEU:CD1	1:F:320:LYS:CE[2_757]	2.05	0.15
1:D:294:THR:CA	1:E:249:GLU:OE1[2_757]	2.05	0.15
1:D:296:ILE:CG1	1:E:259:GLN:O[2_757]	2.05	0.15
1:D:304:THR:C	1:F:121:LEU:CD1[2_757]	2.05	0.15
1:D:332:ILE:C	1:E:247:HIS:O[2_757]	2.05	0.15
1:D:335:ILE:C	1:E:209:LEU:CA[2_757]	2.05	0.15
1:D:336:PHE:CB	1:E:210:PHE:CB[2_757]	2.05	0.15
1:D:340:ARG:NH2	1:E:250:HIS:C[2_757]	2.05	0.15
1:D:340:ARG:CD	1:E:256:MET:CB[2_757]	2.05	0.15
1:D:344:LYS:CE	1:E:258:ALA:CA[2_757]	2.05	0.15
1:D:351:THR:CB	1:E:278:VAL:C[2_757]	2.05	0.15
1:D:356:LYS:CD	1:E:274:TYR:CA[2_757]	2.05	0.15
1:D:360:ILE:N	1:E:271:LEU:C[2_757]	2.05	0.15
1:D:365:THR:OG1	1:E:198:SER:CB[2_757]	2.05	0.15
1:D:367:ASN:OD1	1:E:229:PHE:N[2_757]	2.05	0.15
1:D:367:ASN:OD1	1:E:228:ILE:N[2_757]	2.05	0.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:401:VAL:C	1:E:197:SER:C[2_757]	2.05	0.15
1:D:409:ILE:O	1:E:136:HIS:C[2_757]	2.05	0.15
1:E:48:GLU:C	1:E:177:GLY:N[2_657]	2.05	0.15
1:E:82:ALA:CA	1:F:227:ASP:C[2_657]	2.05	0.15
1:E:84:VAL:CA	1:F:224:ARG:CD[2_657]	2.05	0.15
1:E:90:HIS:ND1	1:E:181:ALA:N[2_657]	2.05	0.15
1:E:90:HIS:CD2	1:E:181:ALA:C[2_657]	2.05	0.15
1:A:14:LEU:CB	1:A:155:LEU:C[2_757]	2.06	0.14
1:A:33:LEU:O	1:E:174:ASP:OD2[2_657]	2.06	0.14
1:A:34:PRO:C	1:E:173:TYR:N[2_657]	2.06	0.14
1:A:47:VAL:CG1	1:A:181:ALA:CB[2_757]	2.06	0.14
1:A:57:ILE:CG2	1:B:143:THR:O[2_757]	2.06	0.14
1:A:73:LYS:CB	1:A:156:VAL:CG1[2_757]	2.06	0.14
1:A:76:THR:N	1:B:156:VAL:C[2_757]	2.06	0.14
1:A:83:ARG:NH1	1:A:148:PRO:CA[2_757]	2.06	0.14
1:A:84:VAL:C	1:B:188:ASP:OD1[2_757]	2.06	0.14
1:A:93:TRP:CB	1:A:182:MET:CG[2_757]	2.06	0.14
1:A:95:SER:OG	1:A:143:THR:CG2[2_757]	2.06	0.14
1:A:100:ILE:N	1:B:172:VAL:CB[2_757]	2.06	0.14
1:A:120:ARG:C	1:C:41:LYS:N[2_858]	2.06	0.14
1:A:125:TRP:CB	1:C:11:VAL:CG1[2_858]	2.06	0.14
1:A:148:PRO:O	1:A:319:ARG:NH2[2_757]	2.06	0.14
1:A:207:LEU:C	1:C:352:PRO:CA[2_858]	2.06	0.14
1:A:214:LYS:NZ	1:E:3:SER:C[2_757]	2.06	0.14
1:A:246:ILE:CG2	1:C:356:LYS:CD[2_858]	2.06	0.14
1:A:264:LYS:CD	1:C:341:GLY:CA[2_858]	2.06	0.14
1:A:264:LYS:CB	1:C:341:GLY:N[2_858]	2.06	0.14
1:A:266:GLY:O	1:C:354:LEU:CB[2_858]	2.06	0.14
1:A:267:PHE:CE1	1:C:345:ARG:C[2_858]	2.06	0.14
1:A:314:VAL:CG2	1:B:167:PRO:CD[2_757]	2.06	0.14
1:A:320:LYS:CA	1:B:161:ASP:OD2[2_757]	2.06	0.14
1:A:326:GLU:O	1:F:303:LYS:O[2_657]	2.06	0.14
1:A:369:VAL:CG2	1:F:58:THR:C[2_657]	2.06	0.14
1:A:371:GLN:CG	1:F:55:ASP:OD1[2_657]	2.06	0.14
1:A:376:THR:C	1:F:64:ALA:O[2_657]	2.06	0.14
1:A:377:LYS:O	1:F:12:VAL:CG2[2_657]	2.06	0.14
1:A:377:LYS:N	1:F:64:ALA:O[2_657]	2.06	0.14
1:A:381:LEU:N	1:F:41:LYS:N[2_657]	2.06	0.14
1:A:391:TYR:CZ	1:F:70:VAL:CG2[2_657]	2.06	0.14
1:A:395:GLU:C	1:F:104:LEU:CB[2_657]	2.06	0.14
1:A:400:ALA:CA	1:F:101:ARG:N[2_657]	2.06	0.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:400:ALA:CA	1:F:102:ASN:N[2_657]	2.06	0.14
1:A:406:GLN:CG	1:F:141:LYS:CB[2_657]	2.06	0.14
1:B:166:GLN:CB	3:A:1101:NDP:O1N[2_757]	2.06	0.14
1:B:169:THR:CB	3:A:1101:NDP:C7N[2_757]	2.06	0.14
1:B:12:VAL:CB	1:E:367:ASN:CA[2_757]	2.06	0.14
1:B:18:GLU:OE1	1:E:356:LYS:NZ[2_757]	2.06	0.14
1:B:19:MET:CA	1:C:237:TYR:CD1[2_858]	2.06	0.14
1:B:30:LYS:CG	5:C:1323:HOH:O[2_858]	2.06	0.14
1:B:45:LEU:CB	1:E:362:GLU:CB[2_757]	2.06	0.14
1:B:61:ALA:CB	1:E:365:THR:CG2[2_757]	2.06	0.14
1:B:66:LYS:CD	1:E:396:GLU:C[2_757]	2.06	0.14
1:B:67:LYS:CD	1:E:375:MET:CG[2_757]	2.06	0.14
1:B:73:LYS:CD	1:E:360:ILE:O[2_757]	2.06	0.14
1:B:90:HIS:ND1	1:E:70:VAL:CA[2_757]	2.06	0.14
1:B:96:PRO:CD	1:E:357:PHE:C[2_757]	2.06	0.14
1:B:119:PRO:CG	1:C:100:ILE:CA[2_858]	2.06	0.14
1:B:121:LEU:C	1:C:65:ILE:CG2[2_858]	2.06	0.14
1:B:135:ALA:CB	1:E:406:GLN:OE1[2_757]	2.06	0.14
1:B:288:GLY:CA	1:C:104:LEU:O[2_858]	2.06	0.14
1:B:306:GLU:OE2	1:E:405:LEU:CA[2_757]	2.06	0.14
1:B:317:HIS:ND1	1:C:196:HIS:O[2_858]	2.06	0.14
1:B:318:TYR:CD1	1:C:236:GLN:C[2_858]	2.06	0.14
1:B:322:GLN:CG	1:C:240:LYS:CA[2_858]	2.06	0.14
1:B:330:ASN:N	1:C:193:GLY:CA[2_858]	2.06	0.14
1:B:330:ASN:N	1:C:194:PHE:CA[2_858]	2.06	0.14
1:B:331:SER:O	1:C:189:GLU:CA[2_858]	2.06	0.14
1:B:351:THR:CA	1:C:163:THR:CB[2_858]	2.06	0.14
1:B:353:ALA:CB	1:C:163:THR:O[2_858]	2.06	0.14
1:B:361:LEU:N	1:D:149:GLY:O[2_858]	2.06	0.14
1:B:362:GLU:CB	1:D:176:LYS:C[2_858]	2.06	0.14
1:B:369:VAL:CB	1:C:136:HIS:ND1[2_858]	2.06	0.14
1:B:385:ASN:C	1:C:110:ARG:NH2[2_858]	2.06	0.14
1:B:386:ASN:N	1:C:110:ARG:CD[2_858]	2.06	0.14
1:B:387:GLU:CA	1:C:110:ARG:CD[2_858]	2.06	0.14
1:B:389:SER:O	1:C:276:GLY:CA[2_858]	2.06	0.14
1:B:396:GLU:CD	1:C:212:SER:N[2_858]	2.06	0.14
1:B:403:LYS:CD	1:C:218:LEU:CB[2_858]	2.06	0.14
1:B:411:SER:N	1:C:168:GLN:CB[2_858]	2.06	0.14
1:D:6:LYS:NZ	1:E:312:GLY:O[2_757]	2.06	0.14
1:D:6:LYS:NZ	1:E:311:HIS:O[2_757]	2.06	0.14
1:D:9:GLN:CA	1:E:285:GLN:N[2_757]	2.06	0.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:12:VAL:N	1:E:287:PHE:CZ[2_757]	2.06	0.14
1:D:14:LEU:C	1:E:127:LYS:CA[2_757]	2.06	0.14
1:D:34:PRO:CA	1:E:296:ILE:N[2_757]	2.06	0.14
1:D:40:LEU:O	1:E:114:VAL:N[2_757]	2.06	0.14
1:D:41:LYS:CG	1:E:287:PHE:C[2_757]	2.06	0.14
1:D:66:LYS:N	1:E:123:PRO:CA[2_757]	2.06	0.14
1:D:100:ILE:CG1	1:E:264:LYS:NZ[2_757]	2.06	0.14
1:D:115:ILE:CD1	1:E:233:TYR:CG[2_757]	2.06	0.14
1:D:134:HIS:N	1:F:377:LYS:NZ[2_757]	2.06	0.14
1:D:186:ASN:C	1:F:390:ALA:C[2_757]	2.06	0.14
1:D:194:PHE:CA	1:F:378:ASP:N[2_757]	2.06	0.14
1:D:202:ALA:N	1:F:314:VAL:CA[2_757]	2.06	0.14
1:D:203:ILE:N	1:F:313:THR:N[2_757]	2.06	0.14
1:D:229:PHE:N	1:F:394:THR:C[2_757]	2.06	0.14
1:D:229:PHE:N	1:F:397:PHE:N[2_757]	2.06	0.14
1:D:232:VAL:CG1	1:F:331:SER:CA[2_757]	2.06	0.14
1:D:238:LYS:O	1:F:24:TRP:C[2_757]	2.06	0.14
1:D:240:LYS:CG	1:F:73:LYS:O[2_757]	2.06	0.14
1:D:248:TYR:CA	1:F:22:ILE:CG2[2_757]	2.06	0.14
1:D:266:GLY:O	1:F:319:ARG:NH2[2_757]	2.06	0.14
1:D:267:PHE:CB	1:F:318:TYR:CD2[2_757]	2.06	0.14
1:D:269:MET:CB	1:F:320:LYS:CA[2_757]	2.06	0.14
1:D:299:THR:CG2	1:F:121:LEU:CG[2_757]	2.06	0.14
1:D:304:THR:C	1:E:261:ILE:O[2_757]	2.06	0.14
1:D:330:ASN:CA	1:E:241:PHE:C[2_757]	2.06	0.14
1:D:340:ARG:CB	1:E:256:MET:CG[2_757]	2.06	0.14
1:D:349:ASP:OD1	1:F:261:ILE:CG1[2_757]	2.06	0.14
1:D:353:ALA:C	1:E:277:ASP:CA[2_757]	2.06	0.14
1:D:355:CYS:CB	1:E:275:ASP:CG[2_757]	2.06	0.14
1:D:356:LYS:O	1:E:271:LEU:C[2_757]	2.06	0.14
1:D:357:PHE:CB	1:E:276:GLY:CA[2_757]	2.06	0.14
1:D:357:PHE:CE2	1:E:132:GLY:N[2_757]	2.06	0.14
1:D:357:PHE:O	1:E:271:LEU:CA[2_757]	2.06	0.14
1:D:357:PHE:N	1:E:276:GLY:N[2_757]	2.06	0.14
1:D:360:ILE:CD1	1:E:134:HIS:ND1[2_757]	2.06	0.14
1:D:367:ASN:CA	1:E:232:VAL:CG2[2_757]	2.06	0.14
1:D:375:MET:N	1:E:236:GLN:O[2_757]	2.06	0.14
1:D:398:LEU:CD2	1:E:202:ALA:N[2_757]	2.06	0.14
1:D:398:LEU:CG	1:E:203:ILE:N[2_757]	2.06	0.14
1:D:400:ALA:C	1:E:196:HIS:O[2_757]	2.06	0.14
1:D:402:GLU:N	1:E:196:HIS:O[2_757]	2.06	0.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:402:GLU:O	1:E:197:SER:CB[2_757]	2.06	0.14
1:E:49:SER:C	1:E:149:GLY:C[2_657]	2.06	0.14
1:E:56:LYS:O	1:F:159:PRO:N[2_657]	2.06	0.14
1:E:58:THR:O	1:F:161:ASP:O[2_657]	2.06	0.14
1:E:61:ALA:C	1:F:163:THR:CA[2_657]	2.06	0.14
1:E:88:ASN:OD1	1:F:225:PHE:CZ[2_657]	2.06	0.14
1:E:90:HIS:C	1:E:180:VAL:CA[2_657]	2.06	0.14
1:A:21:ARG:N	1:B:158:LYS:CG[2_757]	2.07	0.13
1:A:51:ASP:N	1:B:184:MET:O[2_757]	2.07	0.13
1:A:52:ALA:CA	1:B:141:LYS:C[2_757]	2.07	0.13
1:A:59:GLN:NE2	1:A:186:ASN:N[2_757]	2.07	0.13
1:A:63:GLU:O	1:B:147:ILE:CG2[2_757]	2.07	0.13
1:A:63:GLU:CD	1:B:180:VAL:CA[2_757]	2.07	0.13
1:A:72:ILE:O	1:A:156:VAL:CG1[2_757]	2.07	0.13
1:A:77:ILE:CD1	1:A:147:ILE:CG2[2_757]	2.07	0.13
1:A:79:PRO:CG	1:A:145:THR:O[2_757]	2.07	0.13
1:A:81:GLU:OE2	1:B:227:ASP:CB[2_757]	2.07	0.13
1:A:83:ARG:CZ	1:A:148:PRO:CG[2_757]	2.07	0.13
1:A:85:LYS:C	1:B:188:ASP:CA[2_757]	2.07	0.13
1:A:93:TRP:N	1:B:221:TYR:CG[2_757]	2.07	0.13
1:A:99:THR:N	1:B:172:VAL:C[2_757]	2.07	0.13
1:A:120:ARG:CB	1:C:11:VAL:O[2_858]	2.07	0.13
1:A:124:ARG:CZ	1:C:307:SER:N[2_858]	2.07	0.13
1:A:131:ILE:CD1	1:C:8:LYS:NZ[2_858]	2.07	0.13
1:A:161:ASP:OD1	1:A:348:LEU:CB[2_757]	2.07	0.13
1:A:161:ASP:O	1:A:345:ARG:NH2[2_757]	2.07	0.13
1:A:219:LYS:O	1:E:37:ASP:OD2[2_757]	2.07	0.13
1:A:262:LYS:CB	1:C:305:PHE:CG[2_858]	2.07	0.13
1:A:264:LYS:O	1:C:342:LEU:CA[2_858]	2.07	0.13
1:A:265:GLY:N	1:C:342:LEU:O[2_858]	2.07	0.13
1:A:267:PHE:CZ	1:C:345:ARG:CA[2_858]	2.07	0.13
1:A:268:ILE:N	1:C:351:THR:O[2_858]	2.07	0.13
1:A:283:VAL:CG2	1:C:9:GLN:CB[2_858]	2.07	0.13
1:A:294:THR:OG1	1:C:6:LYS:CE[2_858]	2.07	0.13
1:A:306:GLU:OE1	1:B:152:SER:CB[2_757]	2.07	0.13
1:A:312:GLY:C	1:B:168:GLN:N[2_757]	2.07	0.13
1:A:312:GLY:C	1:B:167:PRO:CA[2_757]	2.07	0.13
1:A:315:THR:CG2	1:B:165:ALA:CA[2_757]	2.07	0.13
1:A:318:TYR:CD1	1:B:159:PRO:O[2_757]	2.07	0.13
1:A:318:TYR:CG	1:B:159:PRO:CA[2_757]	2.07	0.13
1:A:332:ILE:C	1:F:63:GLU:OE1[2_657]	2.07	0.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:371:GLN:CB	1:F:50:ARG:NH1[2_657]	2.07	0.13
1:A:377:LYS:CA	1:F:12:VAL:CG2[2_657]	2.07	0.13
1:A:380:ALA:C	1:F:41:LYS:N[2_657]	2.07	0.13
1:A:390:ALA:CA	1:F:72:ILE:CB[2_657]	2.07	0.13
1:A:390:ALA:N	1:F:71:GLY:C[2_657]	2.07	0.13
1:A:391:TYR:N	1:F:71:GLY:N[2_657]	2.07	0.13
1:A:391:TYR:CE2	1:F:70:VAL:CA[2_657]	2.07	0.13
1:A:391:TYR:CE2	1:F:70:VAL:C[2_657]	2.07	0.13
1:A:394:THR:CG2	1:F:66:LYS:CG[2_657]	2.07	0.13
1:A:396:GLU:CB	1:F:297:LEU:CD2[2_657]	2.07	0.13
1:B:166:GLN:NE2	3:A:1101:NDP:C4B[2_757]	2.07	0.13
1:F:67:LYS:CE	3:A:1101:NDP:C2A[2_657]	2.07	0.13
1:B:189:GLU:CG	5:A:1129:HOH:O[2_757]	2.07	0.13
1:B:5:ILE:CD1	1:C:165:ALA:N[2_858]	2.07	0.13
1:B:9:GLN:C	1:E:117:ARG:NH1[2_757]	2.07	0.13
1:B:12:VAL:N	1:E:370:GLN:CB[2_757]	2.07	0.13
1:B:18:GLU:CB	5:E:1528:HOH:O[2_757]	2.07	0.13
1:B:21:ARG:CG	1:C:235:ALA:CB[2_858]	2.07	0.13
1:B:56:LYS:N	1:E:338:TRP:N[2_757]	2.07	0.13
1:B:63:GLU:CG	1:E:331:SER:CB[2_757]	2.07	0.13
1:B:66:LYS:CG	1:E:396:GLU:C[2_757]	2.07	0.13
1:B:79:PRO:CD	1:E:354:LEU:CB[2_757]	2.07	0.13
1:B:82:ALA:C	1:E:350:ASN:CA[2_757]	2.07	0.13
1:B:91:LYS:N	1:E:70:VAL:CG2[2_757]	2.07	0.13
1:B:95:SER:CA	1:E:357:PHE:CE1[2_757]	2.07	0.13
1:B:104:LEU:CD1	1:E:401:VAL:CA[2_757]	2.07	0.13
1:B:104:LEU:CD2	1:E:400:ALA:CB[2_757]	2.07	0.13
1:B:117:ARG:N	1:C:102:ASN:CB[2_858]	2.07	0.13
1:B:119:PRO:CG	1:C:101:ARG:N[2_858]	2.07	0.13
1:B:122:VAL:C	1:C:65:ILE:N[2_858]	2.07	0.13
1:B:140:TYR:C	1:E:34:PRO:CB[2_757]	2.07	0.13
1:B:277:ASP:OD1	1:E:2:PHE:CG[2_757]	2.07	0.13
1:B:289:SER:CB	1:C:299:THR:C[2_858]	2.07	0.13
1:B:298:VAL:N	1:E:403:LYS:CD[2_757]	2.07	0.13
1:B:315:THR:N	1:C:200:LYS:NZ[2_858]	2.07	0.13
1:B:317:HIS:CB	1:C:200:LYS:CA[2_858]	2.07	0.13
1:B:318:TYR:CD1	1:C:237:TYR:CD2[2_858]	2.07	0.13
1:B:323:LYS:C	1:C:247:HIS:N[2_858]	2.07	0.13
1:B:324:GLY:C	1:C:247:HIS:C[2_858]	2.07	0.13
1:B:330:ASN:CB	1:C:193:GLY:CA[2_858]	2.07	0.13
1:B:331:SER:OG	1:C:191:ILE:CA[2_858]	2.07	0.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:356:LYS:CB	1:C:159:PRO:CG[2_858]	2.07	0.13
1:B:358:ALA:O	1:D:150:PRO:CD[2_858]	2.07	0.13
1:B:367:ASN:C	1:C:185:TYR:CA[2_858]	2.07	0.13
1:B:371:GLN:CD	1:D:172:VAL:CG1[2_858]	2.07	0.13
1:B:376:THR:O	1:C:134:HIS:CA[2_858]	2.07	0.13
1:B:378:ASP:CG	1:C:106:GLY:O[2_858]	2.07	0.13
1:B:391:TYR:CE2	1:C:132:GLY:C[2_858]	2.07	0.13
1:B:396:GLU:CD	1:C:212:SER:C[2_858]	2.07	0.13
1:B:404:ARG:O	1:D:181:ALA:N[2_858]	2.07	0.13
1:B:410:LYS:O	1:C:169:THR:C[2_858]	2.07	0.13
1:C:317:HIS:CB	1:C:325:GLU:CD[2_958]	2.07	0.13
1:D:10:PRO:CG	1:E:285:GLN:C[2_757]	2.07	0.13
1:D:14:LEU:N	1:E:127:LYS:O[2_757]	2.07	0.13
1:D:26:LYS:CB	1:E:204:ASP:CG[2_757]	2.07	0.13
1:D:62:ALA:O	1:E:124:ARG:CA[2_757]	2.07	0.13
1:D:64:ALA:O	1:E:122:VAL:O[2_757]	2.07	0.13
1:D:68:TYR:CE1	1:E:120:ARG:N[2_757]	2.07	0.13
1:D:81:GLU:CB	1:D:88:ASN:CG[2_858]	2.07	0.13
1:D:127:LYS:CE	1:F:83:ARG:NE[2_757]	2.07	0.13
1:D:137:GLY:CA	1:F:387:GLU:O[2_757]	2.07	0.13
1:D:187:THR:CA	1:F:390:ALA:O[2_757]	2.07	0.13
1:D:192:GLU:CD	1:F:374:ILE:O[2_757]	2.07	0.13
1:D:195:ALA:CA	1:F:330:ASN:N[2_757]	2.07	0.13
1:D:204:ASP:OD1	3:F:1601:NDP:C5N[2_757]	2.07	0.13
1:D:229:PHE:CG	1:F:394:THR:OG1[2_757]	2.07	0.13
1:D:233:TYR:O	1:F:27:ILE:CD1[2_757]	2.07	0.13
1:D:240:LYS:O	1:F:74:CYS:SG[2_757]	2.07	0.13
1:D:240:LYS:CA	1:F:74:CYS:CA[2_757]	2.07	0.13
1:D:256:MET:SD	1:F:322:GLN:N[2_757]	2.07	0.13
1:D:267:PHE:CZ	1:F:322:GLN:NE2[2_757]	2.07	0.13
1:D:268:ILE:CB	1:F:317:HIS:N[2_757]	2.07	0.13
1:D:269:MET:CA	1:F:320:LYS:N[2_757]	2.07	0.13
1:D:303:LYS:CE	1:F:287:PHE:CG[2_757]	2.07	0.13
1:D:336:PHE:CD2	1:E:211:LEU:N[2_757]	2.07	0.13
1:D:349:ASP:O	1:F:257:VAL:CG2[2_757]	2.07	0.13
1:D:357:PHE:C	1:E:271:LEU:CB[2_757]	2.07	0.13
1:D:368:THR:OG1	1:E:196:HIS:N[2_757]	2.07	0.13
1:D:370:GLN:C	1:E:231:GLU:CA[2_757]	2.07	0.13
1:D:376:THR:CA	1:E:239:SER:N[2_757]	2.07	0.13
1:D:378:ASP:OD2	1:E:238:LYS:O[2_757]	2.07	0.13
1:D:399:ASP:N	1:E:200:LYS:CG[2_757]	2.07	0.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:50:ARG:O	1:E:149:GLY:O[2_657]	2.07	0.13
1:E:52:ALA:C	1:E:175:TYR:N[2_657]	2.07	0.13
1:E:56:LYS:C	1:F:159:PRO:CD[2_657]	2.07	0.13
1:E:59:GLN:C	1:F:162:PRO:CG[2_657]	2.07	0.13
1:E:61:ALA:O	1:F:163:THR:CB[2_657]	2.07	0.13
1:E:87:PHE:O	1:F:188:ASP:N[2_657]	2.07	0.13
1:A:12:VAL:O	1:A:167:PRO:CA[2_757]	2.08	0.12
1:A:12:VAL:O	1:A:157:TYR:O[2_757]	2.08	0.12
1:A:16:GLY:CA	1:B:156:VAL:O[2_757]	2.08	0.12
1:A:21:ARG:NH1	1:A:171:LYS:CD[2_757]	2.08	0.12
1:A:63:GLU:CG	1:B:180:VAL:N[2_757]	2.08	0.12
1:A:65:ILE:CG2	1:A:157:TYR:CE1[2_757]	2.08	0.12
1:A:81:GLU:CD	1:B:227:ASP:CG[2_757]	2.08	0.12
1:A:83:ARG:NE	1:A:148:PRO:N[2_757]	2.08	0.12
1:A:86:GLU:OE1	1:A:148:PRO:O[2_757]	2.08	0.12
1:A:90:HIS:CE1	1:B:138:ASP:OD2[2_757]	2.08	0.12
1:A:97:ASN:CB	1:B:171:LYS:C[2_757]	2.08	0.12
1:A:101:ARG:C	1:B:174:ASP:N[2_757]	2.08	0.12
1:A:101:ARG:CA	1:B:173:TYR:CA[2_757]	2.08	0.12
1:A:104:LEU:CA	1:B:175:TYR:CA[2_757]	2.08	0.12
1:A:113:ILE:CA	1:C:37:ASP:OD1[2_858]	2.08	0.12
1:A:120:ARG:NH1	1:C:40:LEU:CD2[2_858]	2.08	0.12
1:A:120:ARG:C	1:C:41:LYS:CG[2_858]	2.08	0.12
1:A:127:LYS:NZ	1:C:357:PHE:N[2_858]	2.08	0.12
1:A:150:PRO:C	1:A:318:TYR:CZ[2_757]	2.08	0.12
1:A:215:ASN:ND2	1:E:6:LYS:CB[2_757]	2.08	0.12
1:A:216:THR:CG2	1:E:5:ILE:CG1[2_757]	2.08	0.12
1:A:217:ILE:CG2	1:E:4:LYS:CG[2_757]	2.08	0.12
1:A:258:ALA:C	1:C:303:LYS:CA[2_858]	2.08	0.12
1:A:267:PHE:CE1	1:C:346:GLY:C[2_858]	2.08	0.12
1:A:304:THR:CB	1:B:150:PRO:CB[2_757]	2.08	0.12
1:A:315:THR:N	1:B:165:ALA:C[2_757]	2.08	0.12
1:A:316:ARG:C	1:B:163:THR:C[2_757]	2.08	0.12
1:A:319:ARG:CA	1:B:161:ASP:OD2[2_757]	2.08	0.12
1:A:375:MET:CB	1:F:61:ALA:CA[2_657]	2.08	0.12
1:A:377:LYS:NZ	1:F:9:GLN:CB[2_657]	2.08	0.12
1:A:381:LEU:C	1:F:41:LYS:CG[2_657]	2.08	0.12
1:A:383:CYS:SG	1:F:42:TYR:O[2_657]	2.08	0.12
1:A:387:GLU:OE2	1:F:338:TRP:CD2[2_657]	2.08	0.12
1:A:388:ARG:CD	1:F:70:VAL:CG1[2_657]	2.08	0.12
1:A:400:ALA:CB	1:F:99:THR:C[2_657]	2.08	0.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:406:GLN:NE2	1:F:141:LYS:CA[2_657]	2.08	0.12
1:B:168:GLN:CB	3:A:1101:NDP:C2N[2_757]	2.08	0.12
1:B:17:ASP:C	1:C:236:GLN:CB[2_858]	2.08	0.12
1:B:30:LYS:O	1:D:146:LEU:CD2[2_858]	2.08	0.12
1:B:40:LEU:O	1:E:116:PRO:CA[2_757]	2.08	0.12
1:B:43:TYR:CE1	1:E:115:ILE:CD1[2_757]	2.08	0.12
1:B:44:ASP:C	1:E:362:GLU:OE1[2_757]	2.08	0.12
1:B:47:VAL:C	1:E:343:LEU:CB[2_757]	2.08	0.12
1:B:50:ARG:O	1:E:341:GLY:N[2_757]	2.08	0.12
1:B:51:ASP:N	1:E:340:ARG:C[2_757]	2.08	0.12
1:B:53:THR:CG2	1:E:336:PHE:O[2_757]	2.08	0.12
1:B:62:ALA:N	1:E:365:THR:OG1[2_757]	2.08	0.12
1:B:63:GLU:N	1:E:397:PHE:CZ[2_757]	2.08	0.12
1:B:65:ILE:CB	1:E:368:THR:CA[2_757]	2.08	0.12
1:B:68:TYR:O	1:E:373:GLY:O[2_757]	2.08	0.12
1:B:73:LYS:CA	1:E:408:GLU:OE2[2_757]	2.08	0.12
1:B:77:ILE:C	1:E:356:LYS:N[2_757]	2.08	0.12
1:B:79:PRO:CB	1:E:354:LEU:CD2[2_757]	2.08	0.12
1:B:79:PRO:CA	1:E:354:LEU:CD1[2_757]	2.08	0.12
1:B:90:HIS:ND1	1:E:69:GLY:O[2_757]	2.08	0.12
1:B:96:PRO:CA	1:E:361:LEU:CG[2_757]	2.08	0.12
1:B:98:GLY:N	1:E:35:TYR:CE1[2_757]	2.08	0.12
1:B:101:ARG:CA	1:E:402:GLU:CA[2_757]	2.08	0.12
1:B:115:ILE:O	1:C:102:ASN:CA[2_858]	2.08	0.12
1:B:120:ARG:CB	1:C:62:ALA:C[2_858]	2.08	0.12
1:B:124:ARG:CZ	1:F:39:ASP:OD1[2_657]	2.08	0.12
1:B:140:TYR:CB	1:E:34:PRO:C[2_757]	2.08	0.12
1:B:308:GLU:CD	1:E:408:GLU:C[2_757]	2.08	0.12
1:B:365:THR:N	1:C:186:ASN:O[2_858]	2.08	0.12
1:B:369:VAL:CG1	1:C:137:GLY:CA[2_858]	2.08	0.12
1:B:369:VAL:CG1	1:C:136:HIS:CA[2_858]	2.08	0.12
1:B:372:ASP:C	1:C:138:ASP:CB[2_858]	2.08	0.12
1:B:386:ASN:CB	1:C:294:THR:O[2_858]	2.08	0.12
1:B:388:ARG:CG	1:C:131:ILE:CB[2_858]	2.08	0.12
1:B:388:ARG:NH2	1:C:269:MET:O[2_858]	2.08	0.12
1:B:394:THR:OG1	1:C:195:ALA:CA[2_858]	2.08	0.12
1:B:395:GLU:CD	1:C:248:TYR:CZ[2_858]	2.08	0.12
1:B:397:PHE:CD1	1:C:134:HIS:CE1[2_858]	2.08	0.12
1:B:398:LEU:N	1:C:191:ILE:CG2[2_858]	2.08	0.12
1:B:398:LEU:CG	1:C:228:ILE:CG1[2_858]	2.08	0.12
1:B:410:LYS:O	1:C:169:THR:CA[2_858]	2.08	0.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:316:ARG:CB	1:C:323:LYS:CA[2_958]	2.08	0.12
1:C:317:HIS:CE1	1:C:324:GLY:C[2_958]	2.08	0.12
1:D:5:ILE:CB	1:E:110:ARG:NH1[2_757]	2.08	0.12
1:D:8:LYS:N	1:E:281:ASP:C[2_757]	2.08	0.12
1:D:9:GLN:O	1:E:284:ALA:N[2_757]	2.08	0.12
1:D:11:VAL:CG2	1:E:283:VAL:C[2_757]	2.08	0.12
1:D:26:LYS:CG	1:E:204:ASP:OD2[2_757]	2.08	0.12
1:D:28:LYS:N	1:E:130:ILE:CD1[2_757]	2.08	0.12
1:D:39:ASP:C	1:E:292:LEU:O[2_757]	2.08	0.12
1:D:81:GLU:C	1:D:88:ASN:CG[2_858]	2.08	0.12
1:D:107:THR:CG2	3:F:1601:NDP:O2X[2_757]	2.08	0.12
1:D:109:PHE:CG	3:F:1601:NDP:O1X[2_757]	2.08	0.12
1:D:118:ILE:CG2	1:E:234:GLU:OE1[2_757]	2.08	0.12
1:D:130:ILE:CB	1:F:316:ARG:CA[2_757]	2.08	0.12
1:D:136:HIS:O	1:F:386:ASN:CB[2_757]	2.08	0.12
1:D:204:ASP:C	1:F:312:GLY:CA[2_757]	2.08	0.12
1:D:204:ASP:CB	1:F:311:HIS:C[2_757]	2.08	0.12
1:D:205:LYS:N	3:F:1601:NDP:C1D[2_757]	2.08	0.12
1:D:210:PHE:CE1	1:F:322:GLN:CG[2_757]	2.08	0.12
1:D:211:LEU:CB	1:F:327:THR:OG1[2_757]	2.08	0.12
1:D:212:SER:CB	1:F:325:GLU:N[2_757]	2.08	0.12
1:D:212:SER:O	1:F:326:GLU:C[2_757]	2.08	0.12
1:D:224:ARG:NH2	1:F:374:ILE:CG1[2_757]	2.08	0.12
1:D:224:ARG:N	1:F:396:GLU:OE2[2_757]	2.08	0.12
1:D:227:ASP:CA	1:F:396:GLU:N[2_757]	2.08	0.12
1:D:231:GLU:N	1:F:398:LEU:C[2_757]	2.08	0.12
1:D:231:GLU:N	1:F:398:LEU:N[2_757]	2.08	0.12
1:D:233:TYR:CZ	1:F:23:ILE:C[2_757]	2.08	0.12
1:D:236:GLN:CB	1:F:335:ILE:CG1[2_757]	2.08	0.12
1:D:236:GLN:CB	1:F:335:ILE:C[2_757]	2.08	0.12
1:D:237:TYR:CB	1:F:23:ILE:CG2[2_757]	2.08	0.12
1:D:241:PHE:CG	1:F:21:ARG:CA[2_757]	2.08	0.12
1:D:246:ILE:C	1:F:21:ARG:CG[2_757]	2.08	0.12
1:D:248:TYR:CB	1:F:22:ILE:CA[2_757]	2.08	0.12
1:D:291:GLY:C	1:E:247:HIS:CB[2_757]	2.08	0.12
1:D:301:ASP:CA	1:F:289:SER:N[2_757]	2.08	0.12
1:D:302:GLY:O	1:F:285:GLN:CA[2_757]	2.08	0.12
1:D:304:THR:OG1	1:F:121:LEU:N[2_757]	2.08	0.12
1:D:305:PHE:N	1:E:261:ILE:CA[2_757]	2.08	0.12
1:D:306:GLU:CB	1:E:264:LYS:N[2_757]	2.08	0.12
1:D:311:HIS:NE2	1:E:246:ILE:CA[2_757]	2.08	0.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:336:PHE:O	1:E:210:PHE:CB[2_757]	2.08	0.12
1:D:342:LEU:CD1	1:E:131:ILE:CG2[2_757]	2.08	0.12
1:D:345:ARG:NH2	1:F:261:ILE:CG1[2_757]	2.08	0.12
1:D:348:LEU:C	1:F:260:MET:CE[2_757]	2.08	0.12
1:D:351:THR:C	1:E:278:VAL:CG1[2_757]	2.08	0.12
1:D:352:PRO:C	1:E:274:TYR:O[2_757]	2.08	0.12
1:D:352:PRO:CD	1:E:278:VAL:CG2[2_757]	2.08	0.12
1:D:352:PRO:O	1:E:274:TYR:CA[2_757]	2.08	0.12
1:D:356:LYS:C	1:E:272:LYS:CA[2_757]	2.08	0.12
1:D:362:GLU:CA	1:E:211:LEU:CB[2_757]	2.08	0.12
1:D:363:SER:C	1:E:229:PHE:CZ[2_757]	2.08	0.12
1:D:366:LEU:CB	1:E:230:GLN:N[2_757]	2.08	0.12
1:D:368:THR:O	1:E:232:VAL:CG1[2_757]	2.08	0.12
1:D:398:LEU:CD2	1:E:200:LYS:O[2_757]	2.08	0.12
1:D:401:VAL:CA	1:E:196:HIS:CA[2_757]	2.08	0.12
1:D:404:ARG:NH2	1:E:192:GLU:OE2[2_757]	2.08	0.12
1:D:406:GLN:NE2	1:E:298:VAL:C[2_757]	2.08	0.12
1:E:245:GLY:CA	3:D:1401:NDP:C5A[2_757]	2.08	0.12
1:E:48:GLU:CB	5:E:1522:HOH:O[2_657]	2.08	0.12
1:E:52:ALA:CB	1:E:176:LYS:N[2_657]	2.08	0.12
1:E:81:GLU:CG	5:F:1630:HOH:O[2_657]	2.08	0.12
1:E:83:ARG:O	1:F:224:ARG:CZ[2_657]	2.08	0.12
1:E:86:GLU:C	1:F:228:ILE:CB[2_657]	2.08	0.12
1:A:2:PHE:O	1:E:156:VAL:N[2_657]	2.09	0.11
1:A:10:PRO:CD	1:A:166:GLN:CG[2_757]	2.09	0.11
1:A:12:VAL:C	1:A:168:GLN:CA[2_757]	2.09	0.11
1:A:16:GLY:CA	1:A:154:GLU:N[2_757]	2.09	0.11
1:A:19:MET:CG	1:B:162:PRO:CG[2_757]	2.09	0.11
1:A:28:LYS:C	1:E:176:LYS:CD[2_657]	2.09	0.11
1:A:28:LYS:N	1:E:176:LYS:NZ[2_657]	2.09	0.11
1:A:29:LYS:NZ	1:E:176:LYS:O[2_657]	2.09	0.11
1:A:50:ARG:NH2	1:A:153:LEU:CD2[2_757]	2.09	0.11
1:A:51:ASP:C	1:B:138:ASP:O[2_757]	2.09	0.11
1:A:57:ILE:CA	1:B:182:MET:CA[2_757]	2.09	0.11
1:A:65:ILE:O	1:B:149:GLY:O[2_757]	2.09	0.11
1:A:71:GLY:CA	1:A:157:TYR:O[2_757]	2.09	0.11
1:A:76:THR:CA	1:B:156:VAL:CA[2_757]	2.09	0.11
1:A:80:ASP:OD2	1:A:146:LEU:CD2[2_757]	2.09	0.11
1:A:83:ARG:CB	1:A:146:LEU:C[2_757]	2.09	0.11
1:A:83:ARG:O	1:A:179:GLY:N[2_757]	2.09	0.11
1:A:83:ARG:NH2	1:A:148:PRO:CG[2_757]	2.09	0.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:86:GLU:CA	1:A:178:SER:OG[2_757]	2.09	0.11
1:A:89:LEU:CA	1:B:186:ASN:CA[2_757]	2.09	0.11
1:A:90:HIS:NE2	1:B:138:ASP:OD2[2_757]	2.09	0.11
1:A:91:LYS:O	1:B:221:TYR:CZ[2_757]	2.09	0.11
1:A:91:LYS:C	1:B:221:TYR:CB[2_757]	2.09	0.11
1:A:92:MET:O	1:B:221:TYR:CB[2_757]	2.09	0.11
1:A:103:ILE:CG2	1:B:173:TYR:CD2[2_757]	2.09	0.11
1:A:118:ILE:CD1	1:F:43:TYR:CB[2_657]	2.09	0.11
1:A:163:THR:OG1	1:A:348:LEU:O[2_757]	2.09	0.11
1:A:207:LEU:N	1:C:352:PRO:O[2_858]	2.09	0.11
1:A:214:LYS:O	1:E:4:LYS:O[2_757]	2.09	0.11
1:A:214:LYS:O	1:E:4:LYS:CB[2_757]	2.09	0.11
1:A:216:THR:C	1:E:5:ILE:N[2_757]	2.09	0.11
1:A:217:ILE:CG1	1:E:4:LYS:CA[2_757]	2.09	0.11
1:A:259:GLN:N	1:C:348:LEU:CD2[2_858]	2.09	0.11
1:A:265:GLY:C	1:C:354:LEU:CD1[2_858]	2.09	0.11
1:A:268:ILE:N	1:C:351:THR:CB[2_858]	2.09	0.11
1:A:282:ILE:CG2	1:C:9:GLN:NE2[2_858]	2.09	0.11
1:A:366:LEU:N	1:F:59:GLN:CB[2_657]	2.09	0.11
1:A:367:ASN:CG	1:F:55:ASP:OD1[2_657]	2.09	0.11
1:A:368:THR:C	1:F:58:THR:CB[2_657]	2.09	0.11
1:A:373:GLY:C	1:F:14:LEU:CD1[2_657]	2.09	0.11
1:A:377:LYS:CG	5:F:1625:HOH:O[2_657]	2.09	0.11
1:A:381:LEU:C	1:F:41:LYS:CB[2_657]	2.09	0.11
1:A:389:SER:OG	1:F:72:ILE:CG2[2_657]	2.09	0.11
1:F:66:LYS:CE	5:A:1105:HOH:O[2_657]	2.09	0.11
1:B:13:GLU:N	1:E:367:ASN:OD1[2_757]	2.09	0.11
1:B:17:ASP:OD1	1:E:359:ASN:CG[2_757]	2.09	0.11
1:B:22:ILE:CG2	1:C:233:TYR:CA[2_858]	2.09	0.11
1:B:51:ASP:OD1	1:E:344:LYS:N[2_757]	2.09	0.11
1:B:53:THR:C	1:E:307:SER:OG[2_757]	2.09	0.11
1:B:59:GLN:CA	1:E:335:ILE:CG2[2_757]	2.09	0.11
1:B:60:ASP:OD2	1:E:333:ALA:N[2_757]	2.09	0.11
1:B:63:GLU:OE1	1:E:331:SER:CB[2_757]	2.09	0.11
1:B:76:THR:CB	1:E:360:ILE:CG1[2_757]	2.09	0.11
1:B:79:PRO:CA	1:E:354:LEU:CA[2_757]	2.09	0.11
1:B:83:ARG:C	1:E:350:ASN:N[2_757]	2.09	0.11
1:B:90:HIS:CG	1:E:70:VAL:CG1[2_757]	2.09	0.11
1:B:96:PRO:CB	1:E:361:LEU:CG[2_757]	2.09	0.11
1:B:102:ASN:O	1:E:30:LYS:CB[2_757]	2.09	0.11
1:B:103:ILE:CD1	1:E:398:LEU:CD2[2_757]	2.09	0.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:118:ILE:O	1:C:100:ILE:O[2_858]	2.09	0.11
1:B:122:VAL:CA	1:C:64:ALA:O[2_858]	2.09	0.11
1:B:264:LYS:CE	5:F:1633:HOH:O[2_657]	2.09	0.11
1:B:285:GLN:CD	1:C:303:LYS:C[2_858]	2.09	0.11
1:B:286:GLY:CA	1:C:66:LYS:CA[2_858]	2.09	0.11
1:B:297:LEU:CD2	1:E:404:ARG:N[2_757]	2.09	0.11
1:B:320:LYS:CE	1:C:201:LEU:CA[2_858]	2.09	0.11
1:B:325:GLU:CG	1:C:207:LEU:CA[2_858]	2.09	0.11
1:B:327:THR:CG2	1:C:195:ALA:O[2_858]	2.09	0.11
1:B:330:ASN:CA	1:C:193:GLY:N[2_858]	2.09	0.11
1:B:332:ILE:CD1	1:C:190:SER:CA[2_858]	2.09	0.11
1:B:335:ILE:CB	1:C:189:GLU:N[2_858]	2.09	0.11
1:B:335:ILE:CD1	1:C:189:GLU:N[2_858]	2.09	0.11
1:B:358:ALA:CA	1:D:149:GLY:C[2_858]	2.09	0.11
1:B:363:SER:CA	1:D:175:TYR:CB[2_858]	2.09	0.11
1:B:364:ALA:C	1:C:186:ASN:O[2_858]	2.09	0.11
1:B:364:ALA:C	1:D:175:TYR:CE2[2_858]	2.09	0.11
1:B:367:ASN:O	1:C:185:TYR:O[2_858]	2.09	0.11
1:B:371:GLN:O	1:C:142:ALA:CB[2_858]	2.09	0.11
1:B:372:ASP:CA	1:C:184:MET:SD[2_858]	2.09	0.11
1:B:374:ILE:N	1:C:138:ASP:OD2[2_858]	2.09	0.11
1:B:378:ASP:CA	1:C:107:THR:C[2_858]	2.09	0.11
1:B:378:ASP:C	1:C:107:THR:CA[2_858]	2.09	0.11
1:B:393:THR:O	1:C:194:PHE:CE1[2_858]	2.09	0.11
1:B:406:GLN:OE1	1:C:220:LYS:CA[2_858]	2.09	0.11
3:B:1201:NDP:O2B	5:C:1334:HOH:O[2_858]	2.09	0.11
1:D:2:PHE:CD1	1:E:100:ILE:N[2_757]	2.09	0.11
1:D:4:LYS:CG	1:E:295:SER:OG[2_757]	2.09	0.11
1:D:5:ILE:CD1	1:E:133:ARG:NH1[2_757]	2.09	0.11
1:D:36:LEU:CA	1:E:110:ARG:CB[2_757]	2.09	0.11
1:D:38:VAL:O	1:E:293:MET:CG[2_757]	2.09	0.11
1:D:38:VAL:CA	1:E:293:MET:CE[2_757]	2.09	0.11
1:D:38:VAL:N	1:E:293:MET:CB[2_757]	2.09	0.11
1:D:65:ILE:CA	1:E:124:ARG:N[2_757]	2.09	0.11
1:D:126:GLU:OE1	1:F:85:LYS:C[2_757]	2.09	0.11
1:D:185:TYR:CD2	1:F:387:GLU:OE1[2_757]	2.09	0.11
1:D:186:ASN:N	1:F:389:SER:O[2_757]	2.09	0.11
1:D:191:ILE:CG2	1:F:392:VAL:C[2_757]	2.09	0.11
1:D:204:ASP:N	1:F:312:GLY:N[2_757]	2.09	0.11
1:D:207:LEU:C	1:F:18:GLU:CA[2_757]	2.09	0.11
1:D:210:PHE:CG	1:F:321:TYR:CG[2_757]	2.09	0.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:225:PHE:CA	1:F:393:THR:CA[2_757]	2.09	0.11
1:D:239:SER:OG	1:F:338:TRP:CD1[2_757]	2.09	0.11
1:D:243:GLN:CA	1:F:14:LEU:O[2_757]	2.09	0.11
1:D:246:ILE:CD1	1:F:20:THR:OG1[2_757]	2.09	0.11
1:D:247:HIS:O	1:F:18:GLU:O[2_757]	2.09	0.11
1:D:298:VAL:CA	1:F:285:GLN:OE1[2_757]	2.09	0.11
1:D:300:PRO:CA	1:F:288:GLY:O[2_757]	2.09	0.11
1:D:304:THR:CA	1:F:121:LEU:CB[2_757]	2.09	0.11
1:D:305:PHE:CE2	1:E:261:ILE:CB[2_757]	2.09	0.11
1:D:330:ASN:CB	1:E:241:PHE:C[2_757]	2.09	0.11
1:D:331:SER:OG	1:E:203:ILE:CG1[2_757]	2.09	0.11
1:D:337:ALA:C	1:E:267:PHE:CG[2_757]	2.09	0.11
1:D:356:LYS:CD	1:E:274:TYR:N[2_757]	2.09	0.11
1:D:360:ILE:CB	1:E:194:PHE:CE1[2_757]	2.09	0.11
1:D:368:THR:CG2	1:E:237:TYR:CZ[2_757]	2.09	0.11
1:D:378:ASP:C	1:E:242:GLU:OE1[2_757]	2.09	0.11
1:D:411:SER:CB	1:E:136:HIS:NE2[2_757]	2.09	0.11
1:E:48:GLU:CA	5:E:1522:HOH:O[2_657]	2.09	0.11
1:E:53:THR:OG1	1:E:150:PRO:O[2_657]	2.09	0.11
1:E:55:ASP:N	1:F:157:TYR:OH[2_657]	2.09	0.11
1:E:55:ASP:CB	1:E:148:PRO:CG[2_657]	2.09	0.11
1:E:58:THR:CB	1:F:165:ALA:N[2_657]	2.09	0.11
1:E:58:THR:OG1	1:F:165:ALA:CA[2_657]	2.09	0.11
1:E:59:GLN:NE2	1:F:167:PRO:CG[2_657]	2.09	0.11
1:E:59:GLN:O	1:F:162:PRO:C[2_657]	2.09	0.11
1:E:61:ALA:CA	1:F:163:THR:N[2_657]	2.09	0.11
1:E:83:ARG:C	1:F:224:ARG:CZ[2_657]	2.09	0.11
1:E:84:VAL:C	1:F:224:ARG:CB[2_657]	2.09	0.11
1:E:90:HIS:CG	1:E:180:VAL:O[2_657]	2.09	0.11
1:A:4:LYS:NZ	1:E:152:SER:N[2_657]	2.10	0.10
1:A:12:VAL:CG1	1:A:168:GLN:CG[2_757]	2.10	0.10
1:A:18:GLU:CA	1:B:159:PRO:CA[2_757]	2.10	0.10
1:A:43:TYR:C	1:A:170:LEU:CG[2_757]	2.10	0.10
1:A:47:VAL:CG2	1:A:175:TYR:CD1[2_757]	2.10	0.10
1:A:53:THR:OG1	1:B:142:ALA:CB[2_757]	2.10	0.10
1:A:53:THR:CG2	1:B:142:ALA:CB[2_757]	2.10	0.10
1:A:63:GLU:CB	1:B:179:GLY:C[2_757]	2.10	0.10
1:A:66:LYS:CE	1:B:177:GLY:N[2_757]	2.10	0.10
1:A:86:GLU:CB	1:A:179:GLY:N[2_757]	2.10	0.10
1:A:90:HIS:CG	1:B:138:ASP:OD1[2_757]	2.10	0.10
1:A:92:MET:O	1:A:144:ASP:CG[2_757]	2.10	0.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:103:ILE:CG1	1:B:173:TYR:CE2[2_757]	2.10	0.10
1:A:104:LEU:N	1:B:174:ASP:CA[2_757]	2.10	0.10
1:A:104:LEU:CA	1:B:174:ASP:CA[2_757]	2.10	0.10
1:A:104:LEU:CD2	1:B:175:TYR:CB[2_757]	2.10	0.10
1:A:119:PRO:CA	1:C:40:LEU:O[2_858]	2.10	0.10
1:A:207:LEU:CD1	1:C:354:LEU:N[2_858]	2.10	0.10
1:A:214:LYS:CE	1:E:3:SER:N[2_757]	2.10	0.10
1:A:215:ASN:O	1:E:37:ASP:CB[2_757]	2.10	0.10
1:A:217:ILE:C	1:E:36:LEU:O[2_757]	2.10	0.10
1:A:219:LYS:N	1:E:37:ASP:O[2_757]	2.10	0.10
1:A:267:PHE:C	1:C:351:THR:N[2_858]	2.10	0.10
1:A:269:MET:C	1:C:350:ASN:CB[2_858]	2.10	0.10
1:A:306:GLU:CG	1:B:152:SER:CB[2_757]	2.10	0.10
1:A:320:LYS:CE	1:B:163:THR:OG1[2_757]	2.10	0.10
1:A:329:THR:O	1:F:66:LYS:CD[2_657]	2.10	0.10
1:A:375:MET:C	1:F:65:ILE:CD1[2_657]	2.10	0.10
1:A:376:THR:OG1	1:F:65:ILE:N[2_657]	2.10	0.10
1:A:376:THR:O	1:F:64:ALA:C[2_657]	2.10	0.10
1:A:383:CYS:CB	1:F:42:TYR:C[2_657]	2.10	0.10
1:A:386:ASN:ND2	1:F:39:ASP:N[2_657]	2.10	0.10
1:A:389:SER:N	1:F:341:GLY:CA[2_657]	2.10	0.10
1:A:395:GLU:CD	1:F:301:ASP:OD1[2_657]	2.10	0.10
1:A:396:GLU:N	1:F:104:LEU:O[2_657]	2.10	0.10
1:A:396:GLU:C	1:F:104:LEU:CG[2_657]	2.10	0.10
1:A:398:LEU:CA	1:F:103:ILE:N[2_657]	2.10	0.10
1:A:403:LYS:CB	5:F:1654:HOH:O[2_657]	2.10	0.10
1:F:67:LYS:CD	3:A:1101:NDP:N1A[2_657]	2.10	0.10
1:B:26:LYS:CB	1:C:231:GLU:CG[2_858]	2.10	0.10
1:B:43:TYR:CG	1:E:366:LEU:CB[2_757]	2.10	0.10
1:B:56:LYS:O	1:E:336:PHE:CA[2_757]	2.10	0.10
1:B:61:ALA:CB	1:E:365:THR:CA[2_757]	2.10	0.10
1:B:63:GLU:OE1	1:E:330:ASN:C[2_757]	2.10	0.10
1:B:65:ILE:CG2	1:E:368:THR:CB[2_757]	2.10	0.10
1:B:66:LYS:CG	1:E:396:GLU:O[2_757]	2.10	0.10
1:B:66:LYS:CD	1:E:397:PHE:CB[2_757]	2.10	0.10
1:B:75:ALA:CA	5:C:1331:HOH:O[2_858]	2.10	0.10
1:B:79:PRO:CD	1:E:354:LEU:CA[2_757]	2.10	0.10
1:B:81:GLU:O	1:E:349:ASP:C[2_757]	2.10	0.10
1:B:84:VAL:CG1	1:E:349:ASP:OD2[2_757]	2.10	0.10
1:B:84:VAL:N	1:E:346:GLY:O[2_757]	2.10	0.10
1:B:85:LYS:N	1:E:348:LEU:O[2_757]	2.10	0.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:91:LYS:C	1:E:345:ARG:CD[2_757]	2.10	0.10
1:B:94:LYS:N	1:E:342:LEU:CD2[2_757]	2.10	0.10
1:B:96:PRO:CG	1:E:357:PHE:C[2_757]	2.10	0.10
1:B:97:ASN:CG	1:E:409:ILE:CD1[2_757]	2.10	0.10
1:B:104:LEU:C	1:E:399:ASP:CA[2_757]	2.10	0.10
1:B:104:LEU:CD1	1:E:401:VAL:C[2_757]	2.10	0.10
1:B:126:GLU:CA	1:C:63:GLU:OE1[2_858]	2.10	0.10
1:B:262:LYS:CA	1:C:67:LYS:NZ[2_858]	2.10	0.10
1:B:288:GLY:CA	1:C:104:LEU:C[2_858]	2.10	0.10
1:B:290:LEU:CD1	1:C:302:GLY:N[2_858]	2.10	0.10
1:B:296:ILE:C	1:E:407:LYS:CG[2_757]	2.10	0.10
1:B:311:HIS:O	1:E:411:SER:O[2_757]	2.10	0.10
1:B:317:HIS:C	1:C:200:LYS:CA[2_858]	2.10	0.10
1:B:322:GLN:NE2	1:C:240:LYS:CG[2_858]	2.10	0.10
1:B:353:ALA:CB	1:C:162:PRO:O[2_858]	2.10	0.10
1:B:361:LEU:CD1	1:D:178:SER:CA[2_858]	2.10	0.10
1:B:362:GLU:C	1:D:175:TYR:CB[2_858]	2.10	0.10
1:B:365:THR:OG1	1:C:188:ASP:N[2_858]	2.10	0.10
1:B:369:VAL:N	1:C:185:TYR:O[2_858]	2.10	0.10
1:B:375:MET:C	1:C:134:HIS:C[2_858]	2.10	0.10
1:B:377:LYS:CA	1:C:133:ARG:O[2_858]	2.10	0.10
1:B:381:LEU:CA	1:C:108:VAL:CG1[2_858]	2.10	0.10
1:B:385:ASN:CA	1:C:110:ARG:NE[2_858]	2.10	0.10
1:B:389:SER:OG	1:C:277:ASP:O[2_858]	2.10	0.10
1:B:398:LEU:CB	1:C:228:ILE:CB[2_858]	2.10	0.10
1:C:316:ARG:O	1:C:321:TYR:C[2_958]	2.10	0.10
1:D:4:LYS:N	1:E:101:ARG:NH2[2_757]	2.10	0.10
1:D:4:LYS:CD	1:E:295:SER:OG[2_757]	2.10	0.10
1:D:8:LYS:NZ	1:F:255:ASP:O[2_757]	2.10	0.10
1:D:11:VAL:O	1:E:287:PHE:CE2[2_757]	2.10	0.10
1:D:14:LEU:CB	1:E:127:LYS:CB[2_757]	2.10	0.10
1:D:34:PRO:O	1:E:296:ILE:CA[2_757]	2.10	0.10
1:D:34:PRO:O	1:E:296:ILE:O[2_757]	2.10	0.10
1:D:82:ALA:C	1:D:85:LYS:O[2_858]	2.10	0.10
1:D:102:ASN:O	1:F:384:GLY:C[2_757]	2.10	0.10
1:D:104:LEU:CG	1:E:124:ARG:CG[2_757]	2.10	0.10
1:D:104:LEU:C	1:F:381:LEU:O[2_757]	2.10	0.10
1:D:105:GLY:N	1:F:381:LEU:C[2_757]	2.10	0.10
1:D:115:ILE:N	1:E:230:GLN:NE2[2_757]	2.10	0.10
1:D:186:ASN:CG	1:F:390:ALA:CA[2_757]	2.10	0.10
1:D:194:PHE:CD2	1:F:328:SER:O[2_757]	2.10	0.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:205:LYS:CE	3:F:1601:NDP:O1N[2_757]	2.10	0.10
1:D:205:LYS:CD	3:F:1601:NDP:O1N[2_757]	2.10	0.10
1:D:208:ASN:O	1:F:318:TYR:CD1[2_757]	2.10	0.10
1:D:209:LEU:CD1	1:F:19:MET:SD[2_757]	2.10	0.10
1:D:210:PHE:CD2	1:F:321:TYR:C[2_757]	2.10	0.10
1:D:230:GLN:CG	1:F:30:LYS:NZ[2_757]	2.10	0.10
1:D:232:VAL:CB	1:F:397:PHE:CD2[2_757]	2.10	0.10
1:D:238:LYS:CE	1:F:25:ASP:CG[2_757]	2.10	0.10
1:D:249:GLU:CA	1:F:321:TYR:CZ[2_757]	2.10	0.10
1:D:267:PHE:CD2	1:F:319:ARG:NH1[2_757]	2.10	0.10
1:D:269:MET:CB	1:F:320:LYS:CB[2_757]	2.10	0.10
1:D:300:PRO:O	1:F:289:SER:CB[2_757]	2.10	0.10
1:D:314:VAL:CG2	1:E:244:LEU:O[2_757]	2.10	0.10
1:D:330:ASN:CB	1:E:241:PHE:CG[2_757]	2.10	0.10
1:D:332:ILE:O	1:E:209:LEU:C[2_757]	2.10	0.10
1:D:333:ALA:CB	1:E:247:HIS:CA[2_757]	2.10	0.10
1:D:335:ILE:N	1:E:209:LEU:N[2_757]	2.10	0.10
1:D:336:PHE:CB	1:E:210:PHE:CG[2_757]	2.10	0.10
1:D:336:PHE:C	1:E:210:PHE:CG[2_757]	2.10	0.10
1:D:337:ALA:CA	1:E:267:PHE:CG[2_757]	2.10	0.10
1:D:338:TRP:CD1	1:E:268:ILE:CA[2_757]	2.10	0.10
1:D:340:ARG:C	1:E:269:MET:CE[2_757]	2.10	0.10
1:D:354:LEU:C	1:E:276:GLY:CA[2_757]	2.10	0.10
1:D:355:CYS:C	1:E:275:ASP:C[2_757]	2.10	0.10
1:D:357:PHE:C	1:E:271:LEU:CA[2_757]	2.10	0.10
1:D:357:PHE:N	1:E:272:LYS:C[2_757]	2.10	0.10
1:D:369:VAL:CB	1:E:234:GLU:N[2_757]	2.10	0.10
1:D:405:LEU:CB	1:E:197:SER:CB[2_757]	2.10	0.10
1:E:52:ALA:CB	1:E:175:TYR:CB[2_657]	2.10	0.10
1:E:82:ALA:O	1:F:227:ASP:O[2_657]	2.10	0.10
1:E:86:GLU:CA	1:F:228:ILE:CA[2_657]	2.10	0.10
1:E:87:PHE:CG	1:F:188:ASP:CB[2_657]	2.10	0.10
1:E:90:HIS:ND1	1:E:182:MET:N[2_657]	2.10	0.10
1:E:91:LYS:N	1:E:180:VAL:CB[2_657]	2.10	0.10
1:E:93:TRP:CZ2	1:E:147:ILE:N[2_657]	2.10	0.10
1:A:2:PHE:CG	1:E:155:LEU:CD1[2_657]	2.11	0.09
1:A:4:LYS:CG	1:E:154:GLU:CG[2_657]	2.11	0.09
1:A:18:GLU:CG	1:B:157:TYR:CE2[2_757]	2.11	0.09
1:A:18:GLU:C	1:B:159:PRO:O[2_757]	2.11	0.09
1:A:28:LYS:CB	1:E:176:LYS:CD[2_657]	2.11	0.09
1:A:35:TYR:CB	1:E:171:LYS:CG[2_657]	2.11	0.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:56:LYS:N	1:B:182:MET:CB[2_757]	2.11	0.09
1:A:61:ALA:CB	1:A:155:LEU:CD1[2_757]	2.11	0.09
1:A:66:LYS:NZ	1:B:177:GLY:C[2_757]	2.11	0.09
1:A:67:LYS:CB	1:B:148:PRO:N[2_757]	2.11	0.09
1:A:76:THR:CB	1:B:155:LEU:CD1[2_757]	2.11	0.09
1:A:77:ILE:CG1	1:B:157:TYR:CG[2_757]	2.11	0.09
1:A:78:THR:O	1:A:145:THR:C[2_757]	2.11	0.09
1:A:84:VAL:CB	1:A:180:VAL:CG1[2_757]	2.11	0.09
1:A:84:VAL:CG1	1:B:224:ARG:CB[2_757]	2.11	0.09
1:A:85:LYS:CB	1:B:224:ARG:CZ[2_757]	2.11	0.09
1:A:93:TRP:CZ3	1:B:184:MET:SD[2_757]	2.11	0.09
1:A:104:LEU:CB	1:B:151:GLY:O[2_757]	2.11	0.09
1:A:120:ARG:C	1:C:41:LYS:C[2_858]	2.11	0.09
1:A:246:ILE:CB	1:C:356:LYS:CE[2_858]	2.11	0.09
1:A:258:ALA:O	1:C:303:LYS:O[2_858]	2.11	0.09
1:A:262:LYS:CD	1:C:304:THR:O[2_858]	2.11	0.09
1:A:267:PHE:CE1	1:C:346:GLY:O[2_858]	2.11	0.09
1:A:283:VAL:CB	1:C:9:GLN:CA[2_858]	2.11	0.09
1:A:287:PHE:CA	1:C:39:ASP:CG[2_858]	2.11	0.09
1:A:316:ARG:CA	1:B:165:ALA:N[2_757]	2.11	0.09
1:A:317:HIS:CB	1:B:162:PRO:O[2_757]	2.11	0.09
1:A:327:THR:N	1:F:303:LYS:CG[2_657]	2.11	0.09
1:A:368:THR:CA	1:F:58:THR:CB[2_657]	2.11	0.09
1:A:382:ALA:C	1:F:42:TYR:N[2_657]	2.11	0.09
1:A:385:ASN:OD1	1:F:40:LEU:CD1[2_657]	2.11	0.09
1:A:388:ARG:CG	1:F:341:GLY:O[2_657]	2.11	0.09
1:A:403:LYS:CE	1:F:140:TYR:CB[2_657]	2.11	0.09
1:B:166:GLN:O	3:A:1101:NDP:C5D[2_757]	2.11	0.09
1:B:168:GLN:CD	3:A:1101:NDP:C1D[2_757]	2.11	0.09
1:B:12:VAL:CA	1:E:370:GLN:N[2_757]	2.11	0.09
1:B:18:GLU:C	1:C:236:GLN:CA[2_858]	2.11	0.09
1:B:22:ILE:O	1:C:231:GLU:CA[2_858]	2.11	0.09
1:B:26:LYS:O	1:C:231:GLU:CD[2_858]	2.11	0.09
1:B:30:LYS:CD	1:C:227:ASP:OD2[2_858]	2.11	0.09
1:B:39:ASP:CG	1:E:117:ARG:N[2_757]	2.11	0.09
1:B:40:LEU:O	1:E:116:PRO:N[2_757]	2.11	0.09
1:B:53:THR:N	1:E:340:ARG:CG[2_757]	2.11	0.09
1:B:55:ASP:C	1:E:339:SER:N[2_757]	2.11	0.09
1:B:57:ILE:CG2	1:E:339:SER:OG[2_757]	2.11	0.09
1:B:58:THR:OG1	1:E:339:SER:CB[2_757]	2.11	0.09
1:B:60:ASP:C	1:E:332:ILE:CB[2_757]	2.11	0.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:72:ILE:CB	1:E:371:GLN:NE2[2_757]	2.11	0.09
1:B:84:VAL:CG1	1:E:349:ASP:OD1[2_757]	2.11	0.09
1:B:87:PHE:CA	1:E:347:GLU:C[2_757]	2.11	0.09
1:B:96:PRO:CD	1:E:357:PHE:CD2[2_757]	2.11	0.09
1:B:96:PRO:CB	1:E:361:LEU:CA[2_757]	2.11	0.09
1:B:99:THR:CG2	1:E:31:LEU:CB[2_757]	2.11	0.09
1:B:119:PRO:N	1:C:100:ILE:N[2_858]	2.11	0.09
1:B:120:ARG:C	1:C:62:ALA:O[2_858]	2.11	0.09
1:B:122:VAL:CA	1:C:64:ALA:N[2_858]	2.11	0.09
1:B:288:GLY:CA	1:C:104:LEU:CB[2_858]	2.11	0.09
1:B:317:HIS:CA	1:C:200:LYS:C[2_858]	2.11	0.09
1:B:326:GLU:CG	1:C:268:ILE:C[2_858]	2.11	0.09
1:B:353:ALA:CA	1:C:163:THR:C[2_858]	2.11	0.09
1:B:353:ALA:C	1:C:163:THR:C[2_858]	2.11	0.09
1:B:356:LYS:O	1:C:157:TYR:OH[2_858]	2.11	0.09
1:B:360:ILE:CD1	1:C:157:TYR:CE1[2_858]	2.11	0.09
1:B:376:THR:OG1	1:C:194:PHE:CB[2_858]	2.11	0.09
1:B:383:CYS:N	1:C:101:ARG:CD[2_858]	2.11	0.09
1:B:387:GLU:N	1:C:110:ARG:NE[2_858]	2.11	0.09
1:B:391:TYR:OH	1:C:131:ILE:CA[2_858]	2.11	0.09
1:B:391:TYR:O	1:C:271:LEU:O[2_858]	2.11	0.09
1:B:392:VAL:C	1:C:194:PHE:CE1[2_858]	2.11	0.09
1:B:394:THR:CB	1:C:229:PHE:CZ[2_858]	2.11	0.09
1:B:396:GLU:CD	1:C:211:LEU:CD2[2_858]	2.11	0.09
1:B:397:PHE:CB	1:C:225:PHE:CD2[2_858]	2.11	0.09
1:B:404:ARG:CD	1:C:185:TYR:CA[2_858]	2.11	0.09
1:C:319:ARG:CG	1:C:322:GLN:CG[2_958]	2.11	0.09
1:C:324:GLY:CA	3:C:1301:NDP:P2B[2_958]	2.11	0.09
1:D:5:ILE:CB	1:E:133:ARG:NH1[2_757]	2.11	0.09
1:D:6:LYS:N	1:E:110:ARG:NH1[2_757]	2.11	0.09
1:D:9:GLN:OE1	1:E:285:GLN:CB[2_757]	2.11	0.09
1:D:9:GLN:C	1:E:285:GLN:C[2_757]	2.11	0.09
1:D:11:VAL:CA	1:E:283:VAL:O[2_757]	2.11	0.09
1:D:11:VAL:CB	1:E:287:PHE:CE1[2_757]	2.11	0.09
1:D:14:LEU:CB	1:E:127:LYS:CA[2_757]	2.11	0.09
1:D:24:TRP:CZ3	1:E:207:LEU:CD2[2_757]	2.11	0.09
1:D:37:ASP:N	1:E:310:ALA:CB[2_757]	2.11	0.09
1:D:64:ALA:N	1:E:123:PRO:O[2_757]	2.11	0.09
1:D:115:ILE:CD1	1:E:233:TYR:CB[2_757]	2.11	0.09
1:D:186:ASN:C	1:F:390:ALA:N[2_757]	2.11	0.09
1:D:198:SER:CB	1:F:329:THR:CA[2_757]	2.11	0.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:199:PHE:CE2	1:F:23:ILE:CD1[2_757]	2.11	0.09
1:D:200:LYS:N	1:F:311:HIS:NE2[2_757]	2.11	0.09
1:D:203:ILE:O	1:F:75:ALA:CB[2_757]	2.11	0.09
1:D:206:LYS:O	1:F:77:ILE:CD1[2_757]	2.11	0.09
1:D:208:ASN:CB	1:F:318:TYR:CD1[2_757]	2.11	0.09
1:D:210:PHE:CG	1:F:321:TYR:CD2[2_757]	2.11	0.09
1:D:212:SER:N	1:F:326:GLU:N[2_757]	2.11	0.09
1:D:224:ARG:CG	1:F:392:VAL:CG1[2_757]	2.11	0.09
1:D:228:ILE:CA	1:F:396:GLU:O[2_757]	2.11	0.09
1:D:236:GLN:CD	1:F:335:ILE:CG1[2_757]	2.11	0.09
1:D:239:SER:O	1:F:24:TRP:CG[2_757]	2.11	0.09
1:D:239:SER:N	1:F:24:TRP:CD2[2_757]	2.11	0.09
1:D:240:LYS:O	1:F:74:CYS:CA[2_757]	2.11	0.09
1:D:257:VAL:N	1:F:323:LYS:O[2_757]	2.11	0.09
1:D:268:ILE:CG2	1:F:316:ARG:C[2_757]	2.11	0.09
1:D:294:THR:CG2	1:E:210:PHE:CD2[2_757]	2.11	0.09
1:D:296:ILE:CG2	1:E:259:GLN:NE2[2_757]	2.11	0.09
1:D:297:LEU:CA	1:E:262:LYS:CE[2_757]	2.11	0.09
1:D:303:LYS:CG	1:F:287:PHE:CA[2_757]	2.11	0.09
1:D:305:PHE:CA	1:E:261:ILE:CA[2_757]	2.11	0.09
1:D:305:PHE:C	1:E:262:LYS:CA[2_757]	2.11	0.09
1:D:305:PHE:O	1:E:261:ILE:C[2_757]	2.11	0.09
1:D:330:ASN:O	1:E:246:ILE:CB[2_757]	2.11	0.09
1:D:338:TRP:O	1:E:269:MET:SD[2_757]	2.11	0.09
1:D:341:GLY:O	1:E:260:MET:CE[2_757]	2.11	0.09
1:D:343:LEU:N	1:E:269:MET:CE[2_757]	2.11	0.09
1:D:345:ARG:CD	1:E:283:VAL:CA[2_757]	2.11	0.09
1:D:348:LEU:CG	1:F:282:ILE:CB[2_757]	2.11	0.09
1:D:349:ASP:C	1:F:257:VAL:CA[2_757]	2.11	0.09
1:D:353:ALA:C	1:E:277:ASP:CB[2_757]	2.11	0.09
1:D:355:CYS:C	1:E:275:ASP:CG[2_757]	2.11	0.09
1:D:357:PHE:CE1	1:E:133:ARG:C[2_757]	2.11	0.09
1:D:361:LEU:CD1	1:E:269:MET:O[2_757]	2.11	0.09
1:D:365:THR:O	1:E:199:PHE:CE1[2_757]	2.11	0.09
1:D:367:ASN:ND2	1:E:228:ILE:CG2[2_757]	2.11	0.09
1:D:401:VAL:O	1:E:197:SER:CB[2_757]	2.11	0.09
1:D:401:VAL:CG2	1:E:199:PHE:N[2_757]	2.11	0.09
1:D:406:GLN:OE1	1:E:300:PRO:C[2_757]	2.11	0.09
1:D:406:GLN:CD	1:E:299:THR:CA[2_757]	2.11	0.09
1:D:408:GLU:CA	1:E:134:HIS:NE2[2_757]	2.11	0.09
1:D:410:LYS:C	1:E:136:HIS:CB[2_757]	2.11	0.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:251:ARG:NH1	5:D:1410:HOH:O[2_757]	2.11	0.09
1:E:45:LEU:CD1	1:F:164:THR:CA[2_657]	2.11	0.09
1:E:51:ASP:OD2	1:E:179:GLY:CA[2_657]	2.11	0.09
1:E:54:SER:O	1:F:157:TYR:CE2[2_657]	2.11	0.09
1:E:54:SER:CA	1:F:157:TYR:CD1[2_657]	2.11	0.09
1:E:56:LYS:CE	1:F:157:TYR:C[2_657]	2.11	0.09
1:E:58:THR:C	1:F:165:ALA:C[2_657]	2.11	0.09
1:E:60:ASP:CB	1:F:160:SER:O[2_657]	2.11	0.09
1:E:62:ALA:CA	1:F:163:THR:N[2_657]	2.11	0.09
1:E:81:GLU:N	5:F:1630:HOH:O[2_657]	2.11	0.09
1:E:84:VAL:CA	1:F:224:ARG:C[2_657]	2.11	0.09
1:E:90:HIS:N	1:E:180:VAL:CG1[2_657]	2.11	0.09
1:E:93:TRP:CE3	1:E:147:ILE:N[2_657]	2.11	0.09
1:E:99:THR:O	1:F:166:GLN:CD[2_657]	2.11	0.09
1:A:10:PRO:CD	1:A:166:GLN:NE2[2_757]	2.12	0.08
1:A:14:LEU:CB	1:A:156:VAL:CB[2_757]	2.12	0.08
1:A:15:ASP:N	1:A:169:THR:CG2[2_757]	2.12	0.08
1:A:15:ASP:OD1	1:A:154:GLU:CG[2_757]	2.12	0.08
1:A:46:SER:CB	1:A:153:LEU:CB[2_757]	2.12	0.08
1:A:46:SER:O	1:A:172:VAL:CG1[2_757]	2.12	0.08
1:A:48:GLU:CA	1:B:185:TYR:CD2[2_757]	2.12	0.08
1:A:48:GLU:OE2	1:A:175:TYR:CA[2_757]	2.12	0.08
1:A:49:SER:CA	1:A:172:VAL:C[2_757]	2.12	0.08
1:A:53:THR:OG1	1:B:142:ALA:C[2_757]	2.12	0.08
1:A:69:GLY:C	1:A:159:PRO:CA[2_757]	2.12	0.08
1:A:73:LYS:CB	1:A:156:VAL:CB[2_757]	2.12	0.08
1:A:78:THR:O	1:A:146:LEU:N[2_757]	2.12	0.08
1:A:88:ASN:OD1	1:B:190:SER:CA[2_757]	2.12	0.08
1:A:90:HIS:CD2	1:B:138:ASP:CG[2_757]	2.12	0.08
1:A:90:HIS:CA	1:B:138:ASP:OD1[2_757]	2.12	0.08
1:A:93:TRP:O	1:A:144:ASP:N[2_757]	2.12	0.08
1:A:102:ASN:N	1:B:173:TYR:CA[2_757]	2.12	0.08
1:A:114:VAL:CG2	1:C:38:VAL:CA[2_858]	2.12	0.08
1:A:122:VAL:CG2	1:C:68:TYR:CG[2_858]	2.12	0.08
1:A:124:ARG:N	1:C:72:ILE:N[2_858]	2.12	0.08
1:A:129:ILE:O	1:C:8:LYS:CA[2_858]	2.12	0.08
1:A:183:ALA:CA	5:A:1109:HOH:O[2_757]	2.12	0.08
1:A:208:ASN:N	1:C:352:PRO:C[2_858]	2.12	0.08
1:A:217:ILE:O	1:E:37:ASP:CA[2_757]	2.12	0.08
1:A:262:LYS:C	1:C:70:VAL:CG2[2_858]	2.12	0.08
1:A:287:PHE:O	1:C:39:ASP:CA[2_858]	2.12	0.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:321:TYR:N	1:B:161:ASP:CB[2_757]	2.12	0.08
1:A:372:ASP:OD2	1:F:96:PRO:CB[2_657]	2.12	0.08
1:A:381:LEU:O	1:F:41:LYS:N[2_657]	2.12	0.08
1:A:385:ASN:O	1:F:11:VAL:C[2_657]	2.12	0.08
1:A:391:TYR:C	1:F:71:GLY:N[2_657]	2.12	0.08
1:A:405:LEU:CA	1:F:94:LYS:NZ[2_657]	2.12	0.08
1:B:167:PRO:O	3:A:1101:NDP:O4D[2_757]	2.12	0.08
1:F:66:LYS:CB	5:A:1105:HOH:O[2_657]	2.12	0.08
1:B:12:VAL:CA	1:E:366:LEU:O[2_757]	2.12	0.08
1:B:14:LEU:CD1	1:E:363:SER:O[2_757]	2.12	0.08
1:B:22:ILE:N	1:C:232:VAL:O[2_858]	2.12	0.08
1:B:23:ILE:N	1:C:232:VAL:N[2_858]	2.12	0.08
1:B:27:ILE:CD1	1:C:192:GLU:CD[2_858]	2.12	0.08
1:B:30:LYS:CG	1:C:227:ASP:OD2[2_858]	2.12	0.08
1:B:41:LYS:CD	1:E:115:ILE:CG2[2_757]	2.12	0.08
1:B:41:LYS:CD	1:E:115:ILE:O[2_757]	2.12	0.08
1:B:43:TYR:CZ	1:E:115:ILE:CD1[2_757]	2.12	0.08
1:B:69:GLY:N	1:E:374:ILE:CB[2_757]	2.12	0.08
1:B:72:ILE:O	1:E:367:ASN:CG[2_757]	2.12	0.08
1:B:117:ARG:NH1	1:C:140:TYR:CA[2_858]	2.12	0.08
1:B:119:PRO:CA	1:C:100:ILE:N[2_858]	2.12	0.08
1:B:120:ARG:CG	1:C:103:ILE:CB[2_858]	2.12	0.08
1:B:122:VAL:CG1	1:C:64:ALA:C[2_858]	2.12	0.08
1:B:124:ARG:CA	1:C:60:ASP:O[2_858]	2.12	0.08
1:B:125:TRP:CZ3	1:C:67:LYS:N[2_858]	2.12	0.08
1:B:126:GLU:CB	1:C:63:GLU:OE2[2_858]	2.12	0.08
1:B:289:SER:CB	1:C:300:PRO:CD[2_858]	2.12	0.08
1:B:290:LEU:CG	1:C:301:ASP:N[2_858]	2.12	0.08
1:B:306:GLU:OE1	1:E:404:ARG:CA[2_757]	2.12	0.08
1:B:316:ARG:O	1:C:200:LYS:CA[2_858]	2.12	0.08
1:B:318:TYR:CG	1:C:236:GLN:O[2_858]	2.12	0.08
1:B:321:TYR:CZ	1:C:233:TYR:CD2[2_858]	2.12	0.08
1:B:322:GLN:N	1:C:241:PHE:CE1[2_858]	2.12	0.08
1:B:329:THR:CA	1:C:196:HIS:N[2_858]	2.12	0.08
1:B:345:ARG:NH1	1:E:372:ASP:C[2_757]	2.12	0.08
1:B:351:THR:CA	1:C:163:THR:OG1[2_858]	2.12	0.08
1:B:353:ALA:C	1:C:165:ALA:N[2_858]	2.12	0.08
1:B:358:ALA:N	1:D:149:GLY:CA[2_858]	2.12	0.08
1:B:360:ILE:CG2	1:C:157:TYR:CE1[2_858]	2.12	0.08
1:B:365:THR:C	1:C:187:THR:CA[2_858]	2.12	0.08
1:B:371:GLN:CB	1:C:184:MET:CA[2_858]	2.12	0.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:373:GLY:N	1:C:138:ASP:CB[2_858]	2.12	0.08
1:B:381:LEU:CB	1:C:296:ILE:C[2_858]	2.12	0.08
1:B:384:GLY:C	1:C:308:GLU:CD[2_858]	2.12	0.08
1:B:388:ARG:NE	1:C:269:MET:C[2_858]	2.12	0.08
1:B:395:GLU:N	1:C:229:PHE:CE1[2_858]	2.12	0.08
1:B:403:LYS:CB	1:C:220:LYS:C[2_858]	2.12	0.08
1:B:405:LEU:CA	1:D:147:ILE:N[2_858]	2.12	0.08
1:C:317:HIS:CE1	1:C:324:GLY:O[2_958]	2.12	0.08
1:C:388:ARG:O	1:C:388:ARG:NH1[2_958]	2.12	0.08
1:D:23:ILE:CA	1:E:206:LYS:CB[2_757]	2.12	0.08
1:D:31:LEU:N	1:E:109:PHE:CD2[2_757]	2.12	0.08
1:D:32:ILE:CA	1:E:109:PHE:CB[2_757]	2.12	0.08
1:D:32:ILE:CA	1:E:109:PHE:CA[2_757]	2.12	0.08
1:D:38:VAL:O	1:E:293:MET:C[2_757]	2.12	0.08
1:D:39:ASP:CG	1:E:292:LEU:CB[2_757]	2.12	0.08
1:D:40:LEU:CG	1:E:112:PRO:CB[2_757]	2.12	0.08
1:D:64:ALA:C	1:E:122:VAL:O[2_757]	2.12	0.08
1:D:64:ALA:O	1:E:123:PRO:CA[2_757]	2.12	0.08
1:D:70:VAL:N	1:E:125:TRP:CZ2[2_757]	2.12	0.08
1:D:135:ALA:C	1:F:381:LEU:CD1[2_757]	2.12	0.08
1:D:200:LYS:CE	1:F:292:LEU:N[2_757]	2.12	0.08
1:D:203:ILE:CG1	1:F:20:THR:CG2[2_757]	2.12	0.08
1:D:236:GLN:CA	1:F:335:ILE:N[2_757]	2.12	0.08
1:D:237:TYR:CD1	1:F:331:SER:CA[2_757]	2.12	0.08
1:D:237:TYR:O	1:F:24:TRP:CB[2_757]	2.12	0.08
1:D:239:SER:OG	1:F:338:TRP:CD2[2_757]	2.12	0.08
1:D:240:LYS:N	1:F:24:TRP:CZ2[2_757]	2.12	0.08
1:D:240:LYS:C	1:F:74:CYS:CA[2_757]	2.12	0.08
1:D:272:LYS:CD	1:F:326:GLU:CD[2_757]	2.12	0.08
1:D:294:THR:CB	1:E:251:ARG:CZ[2_757]	2.12	0.08
1:D:296:ILE:N	1:E:259:GLN:OE1[2_757]	2.12	0.08
1:D:305:PHE:CZ	1:F:285:GLN:CB[2_757]	2.12	0.08
1:D:328:SER:CA	1:E:243:GLN:CD[2_757]	2.12	0.08
1:D:329:THR:C	1:E:241:PHE:N[2_757]	2.12	0.08
1:D:330:ASN:CA	1:E:241:PHE:N[2_757]	2.12	0.08
1:D:333:ALA:O	1:E:208:ASN:CA[2_757]	2.12	0.08
1:D:339:SER:OG	1:E:210:PHE:C[2_757]	2.12	0.08
1:D:340:ARG:CZ	1:E:251:ARG:CG[2_757]	2.12	0.08
1:D:341:GLY:CA	1:E:269:MET:SD[2_757]	2.12	0.08
1:D:346:GLY:CA	1:E:279:GLN:OE1[2_757]	2.12	0.08
1:D:356:LYS:NZ	1:E:139:GLN:NE2[2_757]	2.12	0.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:360:ILE:N	1:E:272:LYS:N[2_757]	2.12	0.08
1:D:361:LEU:N	1:E:194:PHE:CE2[2_757]	2.12	0.08
1:D:370:GLN:N	1:E:232:VAL:CA[2_757]	2.12	0.08
1:D:379:LEU:CD1	1:E:238:LYS:CG[2_757]	2.12	0.08
1:D:392:VAL:CG2	1:E:240:LYS:CD[2_757]	2.12	0.08
1:D:401:VAL:CG1	1:E:198:SER:CA[2_757]	2.12	0.08
1:D:404:ARG:O	1:E:193:GLY:N[2_757]	2.12	0.08
1:D:411:SER:O	1:E:186:ASN:ND2[2_757]	2.12	0.08
1:E:43:TYR:CE2	1:F:161:ASP:CB[2_657]	2.12	0.08
1:E:52:ALA:N	1:E:175:TYR:CB[2_657]	2.12	0.08
1:E:56:LYS:C	1:F:159:PRO:C[2_657]	2.12	0.08
1:E:60:ASP:CG	1:F:159:PRO:O[2_657]	2.12	0.08
1:E:82:ALA:O	1:F:227:ASP:CA[2_657]	2.12	0.08
1:E:84:VAL:CG1	1:F:221:TYR:O[2_657]	2.12	0.08
1:E:89:LEU:CD1	1:F:224:ARG:CD[2_657]	2.12	0.08
1:E:90:HIS:O	1:F:221:TYR:CD1[2_657]	2.12	0.08
1:E:91:LYS:CG	1:E:145:THR:CG2[2_657]	2.12	0.08
1:F:228:ILE:N	5:E:1524:HOH:O[2_657]	2.12	0.08
1:A:13:GLU:O	1:A:169:THR:C[2_757]	2.13	0.07
1:A:15:ASP:CB	1:A:154:GLU:OE2[2_757]	2.13	0.07
1:A:18:GLU:O	1:B:158:LYS:C[2_757]	2.13	0.07
1:A:32:ILE:O	1:E:174:ASP:CG[2_657]	2.13	0.07
1:A:33:LEU:CA	1:E:174:ASP:O[2_657]	2.13	0.07
1:A:34:PRO:N	1:E:174:ASP:C[2_657]	2.13	0.07
1:A:44:ASP:OD2	1:A:171:LYS:CA[2_757]	2.13	0.07
1:A:45:LEU:CD1	1:A:155:LEU:CB[2_757]	2.13	0.07
1:A:48:GLU:OE1	1:A:173:TYR:C[2_757]	2.13	0.07
1:A:52:ALA:C	1:B:138:ASP:O[2_757]	2.13	0.07
1:A:53:THR:CG2	1:B:143:THR:N[2_757]	2.13	0.07
1:A:54:SER:CA	1:B:184:MET:SD[2_757]	2.13	0.07
1:A:59:GLN:OE1	1:A:186:ASN:N[2_757]	2.13	0.07
1:A:60:ASP:CG	1:B:145:THR:O[2_757]	2.13	0.07
1:A:67:LYS:CA	1:B:148:PRO:CB[2_757]	2.13	0.07
1:A:68:TYR:C	1:A:165:ALA:N[2_757]	2.13	0.07
1:A:69:GLY:C	1:A:159:PRO:C[2_757]	2.13	0.07
1:A:72:ILE:C	1:A:156:VAL:CG1[2_757]	2.13	0.07
1:A:73:LYS:NZ	1:B:155:LEU:O[2_757]	2.13	0.07
1:A:73:LYS:CD	1:B:154:GLU:CA[2_757]	2.13	0.07
1:A:75:ALA:N	1:B:156:VAL:CB[2_757]	2.13	0.07
1:A:84:VAL:N	1:A:180:VAL:CG1[2_757]	2.13	0.07
1:A:87:PHE:CD2	1:A:175:TYR:CB[2_757]	2.13	0.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:88:ASN:CG	1:B:190:SER:C[2_757]	2.13	0.07
1:A:100:ILE:CD1	1:B:153:LEU:CD1[2_757]	2.13	0.07
1:A:100:ILE:CG2	1:B:153:LEU:C[2_757]	2.13	0.07
1:A:101:ARG:O	1:B:174:ASP:N[2_757]	2.13	0.07
1:A:114:VAL:CG1	1:C:38:VAL:O[2_858]	2.13	0.07
1:A:124:ARG:NH1	1:C:306:GLU:C[2_858]	2.13	0.07
1:A:126:GLU:C	1:C:342:LEU:CD2[2_858]	2.13	0.07
1:A:144:ASP:OD2	1:B:219:LYS:CD[2_757]	2.13	0.07
1:A:215:ASN:O	1:E:6:LYS:CA[2_757]	2.13	0.07
1:A:218:LEU:N	1:E:37:ASP:CB[2_757]	2.13	0.07
1:A:262:LYS:CG	1:C:305:PHE:CD1[2_858]	2.13	0.07
1:A:267:PHE:CB	1:C:346:GLY:C[2_858]	2.13	0.07
1:A:268:ILE:O	1:C:351:THR:N[2_858]	2.13	0.07
1:A:269:MET:CG	1:C:349:ASP:N[2_858]	2.13	0.07
1:A:271:LEU:CD1	1:C:8:LYS:NZ[2_858]	2.13	0.07
1:A:287:PHE:CA	1:C:39:ASP:CB[2_858]	2.13	0.07
1:A:292:LEU:CD2	1:F:60:ASP:OD1[2_657]	2.13	0.07
1:A:294:THR:CB	1:C:6:LYS:NZ[2_858]	2.13	0.07
1:A:318:TYR:C	1:B:161:ASP:CB[2_757]	2.13	0.07
1:A:318:TYR:CD2	1:B:160:SER:N[2_757]	2.13	0.07
1:A:321:TYR:C	1:F:303:LYS:NZ[2_657]	2.13	0.07
1:A:366:LEU:CB	1:F:56:LYS:CB[2_657]	2.13	0.07
1:A:369:VAL:N	1:F:58:THR:O[2_657]	2.13	0.07
1:A:376:THR:N	1:F:65:ILE:CG1[2_657]	2.13	0.07
1:A:377:LYS:CD	5:F:1625:HOH:O[2_657]	2.13	0.07
1:A:379:LEU:CB	1:F:43:TYR:OH[2_657]	2.13	0.07
1:A:380:ALA:C	1:F:41:LYS:CB[2_657]	2.13	0.07
1:A:380:ALA:C	1:F:41:LYS:CA[2_657]	2.13	0.07
1:A:393:THR:N	1:F:304:THR:CG2[2_657]	2.13	0.07
1:A:397:PHE:O	1:F:100:ILE:O[2_657]	2.13	0.07
1:A:402:GLU:CD	1:F:102:ASN:ND2[2_657]	2.13	0.07
1:A:403:LYS:CB	1:F:140:TYR:O[2_657]	2.13	0.07
1:A:405:LEU:O	1:F:94:LYS:CE[2_657]	2.13	0.07
1:B:14:LEU:N	1:E:367:ASN:ND2[2_757]	2.13	0.07
1:B:18:GLU:CA	1:C:236:GLN:CG[2_858]	2.13	0.07
1:B:18:GLU:C	1:C:236:GLN:O[2_858]	2.13	0.07
1:B:45:LEU:C	1:E:359:ASN:OD1[2_757]	2.13	0.07
1:B:47:VAL:CA	1:E:343:LEU:CD1[2_757]	2.13	0.07
1:B:49:SER:CA	1:E:340:ARG:NE[2_757]	2.13	0.07
1:B:55:ASP:CG	1:E:338:TRP:O[2_757]	2.13	0.07
1:B:57:ILE:CG1	1:E:336:PHE:CE1[2_757]	2.13	0.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:59:GLN:O	1:E:335:ILE:CG1[2_757]	2.13	0.07
1:B:60:ASP:CG	1:E:333:ALA:CA[2_757]	2.13	0.07
1:B:66:LYS:CE	1:E:396:GLU:O[2_757]	2.13	0.07
1:B:66:LYS:CB	1:E:397:PHE:C[2_757]	2.13	0.07
1:B:81:GLU:CG	1:E:8:LYS:CA[2_757]	2.13	0.07
1:B:86:GLU:C	1:E:347:GLU:O[2_757]	2.13	0.07
1:B:87:PHE:C	1:E:347:GLU:O[2_757]	2.13	0.07
1:B:93:TRP:NE1	1:E:342:LEU:CA[2_757]	2.13	0.07
1:B:99:THR:C	1:E:31:LEU:CA[2_757]	2.13	0.07
1:B:102:ASN:ND2	1:E:30:LYS:CG[2_757]	2.13	0.07
1:B:104:LEU:N	1:E:402:GLU:CB[2_757]	2.13	0.07
1:B:117:ARG:CZ	1:C:140:TYR:O[2_858]	2.13	0.07
1:B:119:PRO:C	1:C:100:ILE:C[2_858]	2.13	0.07
1:B:122:VAL:CA	1:C:65:ILE:CA[2_858]	2.13	0.07
1:B:285:GLN:NE2	1:C:304:THR:N[2_858]	2.13	0.07
1:B:287:PHE:CD2	1:C:66:LYS:CD[2_858]	2.13	0.07
1:B:289:SER:C	1:C:301:ASP:OD1[2_858]	2.13	0.07
1:B:321:TYR:CZ	1:C:233:TYR:CZ[2_858]	2.13	0.07
1:B:326:GLU:N	1:C:209:LEU:C[2_858]	2.13	0.07
1:B:332:ILE:O	1:C:189:GLU:CD[2_858]	2.13	0.07
1:B:356:LYS:CA	1:C:159:PRO:CB[2_858]	2.13	0.07
1:B:359:ASN:CA	1:D:150:PRO:O[2_858]	2.13	0.07
1:B:369:VAL:CG2	1:C:137:GLY:N[2_858]	2.13	0.07
1:B:372:ASP:CB	1:C:184:MET:CG[2_858]	2.13	0.07
1:B:378:ASP:CB	1:C:106:GLY:CA[2_858]	2.13	0.07
1:B:388:ARG:CZ	1:C:269:MET:C[2_858]	2.13	0.07
1:B:395:GLU:OE1	1:C:248:TYR:OH[2_858]	2.13	0.07
1:B:396:GLU:CA	1:C:225:PHE:CB[2_858]	2.13	0.07
1:B:397:PHE:O	1:C:225:PHE:CE1[2_858]	2.13	0.07
1:B:397:PHE:CE2	1:C:191:ILE:CB[2_858]	2.13	0.07
1:B:404:ARG:NH1	1:C:184:MET:O[2_858]	2.13	0.07
1:C:300:PRO:O	3:B:1201:NDP:N9A[2_858]	2.13	0.07
1:C:156:VAL:O	5:B:1205:HOH:O[2_858]	2.13	0.07
1:C:205:LYS:CA	5:B:1208:HOH:O[2_858]	2.13	0.07
1:C:326:GLU:CG	1:C:328:SER:CB[2_958]	2.13	0.07
1:D:11:VAL:N	1:E:287:PHE:CD1[2_757]	2.13	0.07
1:D:14:LEU:CB	1:E:126:GLU:C[2_757]	2.13	0.07
1:D:14:LEU:CG	1:E:126:GLU:CG[2_757]	2.13	0.07
1:D:22:ILE:CG2	1:E:206:LYS:CE[2_757]	2.13	0.07
1:D:32:ILE:CD1	1:E:130:ILE:CG2[2_757]	2.13	0.07
1:D:37:ASP:OD2	1:E:310:ALA:C[2_757]	2.13	0.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:37:ASP:OD1	1:E:309:ALA:C[2_757]	2.13	0.07
1:D:39:ASP:OD2	1:E:289:SER:O[2_757]	2.13	0.07
1:D:40:LEU:CA	1:E:112:PRO:CG[2_757]	2.13	0.07
1:D:65:ILE:CA	1:E:125:TRP:N[2_757]	2.13	0.07
1:D:73:LYS:CA	1:E:265:GLY:C[2_757]	2.13	0.07
1:D:81:GLU:N	1:D:88:ASN:CG[2_858]	2.13	0.07
1:D:109:PHE:CA	3:F:1601:NDP:O1X[2_757]	2.13	0.07
1:D:111:GLU:C	1:E:249:GLU:OE2[2_757]	2.13	0.07
1:D:186:ASN:CA	1:F:390:ALA:CB[2_757]	2.13	0.07
1:D:189:GLU:CB	1:F:375:MET:SD[2_757]	2.13	0.07
1:D:190:SER:CA	1:F:375:MET:CG[2_757]	2.13	0.07
1:D:190:SER:OG	1:F:380:ALA:C[2_757]	2.13	0.07
1:D:192:GLU:N	1:F:375:MET:O[2_757]	2.13	0.07
1:D:205:LYS:CD	3:F:1601:NDP:O2N[2_757]	2.13	0.07
1:D:205:LYS:CA	3:F:1601:NDP:C2D[2_757]	2.13	0.07
1:D:207:LEU:CD1	1:F:315:THR:CG2[2_757]	2.13	0.07
1:D:208:ASN:CG	1:F:318:TYR:CZ[2_757]	2.13	0.07
1:D:209:LEU:C	1:F:19:MET:CE[2_757]	2.13	0.07
1:D:228:ILE:CB	1:F:397:PHE:CB[2_757]	2.13	0.07
1:D:232:VAL:CG1	1:F:331:SER:N[2_757]	2.13	0.07
1:D:234:GLU:OE2	1:F:30:LYS:NZ[2_757]	2.13	0.07
1:D:237:TYR:CZ	1:F:334:SER:N[2_757]	2.13	0.07
1:D:237:TYR:OH	5:F:1604:HOH:O[2_757]	2.13	0.07
1:D:241:PHE:O	1:F:15:ASP:OD1[2_757]	2.13	0.07
1:D:244:LEU:CA	1:F:16:GLY:N[2_757]	2.13	0.07
1:D:244:LEU:C	1:F:16:GLY:C[2_757]	2.13	0.07
1:D:269:MET:CA	1:F:317:HIS:O[2_757]	2.13	0.07
1:D:269:MET:CG	1:F:319:ARG:O[2_757]	2.13	0.07
1:D:292:LEU:CA	1:E:248:TYR:O[2_757]	2.13	0.07
1:D:300:PRO:C	1:F:289:SER:CB[2_757]	2.13	0.07
1:D:301:ASP:CB	1:F:287:PHE:CA[2_757]	2.13	0.07
1:D:304:THR:N	1:F:286:GLY:CA[2_757]	2.13	0.07
1:D:306:GLU:C	1:E:263:SER:N[2_757]	2.13	0.07
1:D:329:THR:OG1	1:E:244:LEU:CG[2_757]	2.13	0.07
1:D:334:SER:N	1:E:209:LEU:N[2_757]	2.13	0.07
1:D:340:ARG:CZ	1:E:251:ARG:CA[2_757]	2.13	0.07
1:D:347:GLU:CB	1:F:278:VAL:CG1[2_757]	2.13	0.07
1:D:348:LEU:CD2	1:F:282:ILE:C[2_757]	2.13	0.07
1:D:356:LYS:CA	1:E:275:ASP:N[2_757]	2.13	0.07
1:D:357:PHE:CB	1:E:133:ARG:CG[2_757]	2.13	0.07
1:D:363:SER:N	1:E:211:LEU:CG[2_757]	2.13	0.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:367:ASN:CG	1:E:228:ILE:CA[2_757]	2.13	0.07
1:D:370:GLN:O	1:E:231:GLU:CB[2_757]	2.13	0.07
1:D:372:ASP:OD1	1:E:192:GLU:OE2[2_757]	2.13	0.07
1:D:398:LEU:CA	1:E:200:LYS:CB[2_757]	2.13	0.07
1:D:400:ALA:O	1:E:196:HIS:CA[2_757]	2.13	0.07
1:D:404:ARG:CG	1:E:193:GLY:N[2_757]	2.13	0.07
1:D:406:GLN:NE2	1:E:299:THR:C[2_757]	2.13	0.07
1:E:243:GLN:CD	5:D:1411:HOH:O[2_757]	2.13	0.07
1:E:43:TYR:CD2	1:F:161:ASP:CA[2_657]	2.13	0.07
1:E:48:GLU:CA	1:E:178:SER:N[2_657]	2.13	0.07
1:E:55:ASP:CB	1:F:157:TYR:CE2[2_657]	2.13	0.07
1:E:83:ARG:CB	1:F:224:ARG:NH1[2_657]	2.13	0.07
1:E:86:GLU:O	1:F:192:GLU:N[2_657]	2.13	0.07
1:E:90:HIS:CG	1:E:181:ALA:C[2_657]	2.13	0.07
1:A:4:LYS:CE	1:E:153:LEU:CA[2_657]	2.14	0.06
1:A:11:VAL:CG1	1:A:167:PRO:CB[2_757]	2.14	0.06
1:A:14:LEU:CB	1:A:155:LEU:O[2_757]	2.14	0.06
1:A:21:ARG:CG	1:A:152:SER:CB[2_757]	2.14	0.06
1:A:59:GLN:C	1:B:180:VAL:C[2_757]	2.14	0.06
1:A:60:ASP:C	1:B:145:THR:O[2_757]	2.14	0.06
1:A:65:ILE:CG1	1:A:157:TYR:CB[2_757]	2.14	0.06
1:A:73:LYS:CE	1:B:154:GLU:O[2_757]	2.14	0.06
1:A:88:ASN:CA	1:B:188:ASP:N[2_757]	2.14	0.06
1:A:92:MET:N	1:B:222:ASP:N[2_757]	2.14	0.06
1:A:94:LYS:CA	1:A:143:THR:O[2_757]	2.14	0.06
1:A:97:ASN:ND2	1:B:169:THR:C[2_757]	2.14	0.06
1:A:98:GLY:C	1:B:172:VAL:C[2_757]	2.14	0.06
1:A:102:ASN:OD1	1:A:185:TYR:CZ[2_757]	2.14	0.06
1:A:104:LEU:CD1	1:B:152:SER:CA[2_757]	2.14	0.06
1:A:115:ILE:CG2	1:F:57:ILE:CA[2_657]	2.14	0.06
1:A:120:ARG:CG	1:C:40:LEU:CB[2_858]	2.14	0.06
1:A:121:LEU:CA	1:C:41:LYS:CG[2_858]	2.14	0.06
1:A:127:LYS:CB	1:C:354:LEU:CD2[2_858]	2.14	0.06
1:A:162:PRO:CB	1:A:345:ARG:CA[2_757]	2.14	0.06
1:A:183:ALA:CB	5:A:1109:HOH:O[2_757]	2.14	0.06
1:A:217:ILE:CG2	1:E:4:LYS:CE[2_757]	2.14	0.06
1:A:261:ILE:C	1:C:70:VAL:N[2_858]	2.14	0.06
1:A:266:GLY:N	1:C:354:LEU:CD2[2_858]	2.14	0.06
1:A:283:VAL:CG2	1:C:9:GLN:CD[2_858]	2.14	0.06
1:A:283:VAL:O	1:C:10:PRO:N[2_858]	2.14	0.06
1:A:283:VAL:CB	1:C:9:GLN:N[2_858]	2.14	0.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:315:THR:CA	1:B:165:ALA:CB[2_757]	2.14	0.06
1:A:319:ARG:O	1:B:161:ASP:CG[2_757]	2.14	0.06
1:A:326:GLU:CG	1:F:305:PHE:CE2[2_657]	2.14	0.06
1:A:329:THR:CA	1:F:66:LYS:C[2_657]	2.14	0.06
1:A:369:VAL:CG1	1:F:61:ALA:CB[2_657]	2.14	0.06
1:A:372:ASP:CG	1:F:95:SER:C[2_657]	2.14	0.06
1:A:372:ASP:O	1:F:73:LYS:NZ[2_657]	2.14	0.06
1:A:393:THR:CG2	1:F:305:PHE:N[2_657]	2.14	0.06
1:A:404:ARG:CZ	1:F:94:LYS:C[2_657]	2.14	0.06
1:B:10:PRO:N	1:E:117:ARG:NH1[2_757]	2.14	0.06
1:B:11:VAL:O	1:E:370:GLN:CD[2_757]	2.14	0.06
1:B:30:LYS:CD	5:C:1323:HOH:O[2_858]	2.14	0.06
1:B:51:ASP:O	1:E:340:ARG:O[2_757]	2.14	0.06
1:B:55:ASP:CG	1:E:338:TRP:CB[2_757]	2.14	0.06
1:B:55:ASP:OD1	1:E:338:TRP:C[2_757]	2.14	0.06
1:B:55:ASP:N	1:E:340:ARG:N[2_757]	2.14	0.06
1:B:55:ASP:CB	1:E:338:TRP:N[2_757]	2.14	0.06
1:B:56:LYS:NZ	1:E:308:GLU:O[2_757]	2.14	0.06
1:B:66:LYS:CB	1:E:397:PHE:CB[2_757]	2.14	0.06
1:B:72:ILE:N	1:E:367:ASN:CB[2_757]	2.14	0.06
1:B:76:THR:O	1:E:357:PHE:N[2_757]	2.14	0.06
1:B:77:ILE:C	1:E:354:LEU:C[2_757]	2.14	0.06
1:B:77:ILE:CG1	1:E:356:LYS:N[2_757]	2.14	0.06
1:B:79:PRO:N	1:E:354:LEU:CD2[2_757]	2.14	0.06
1:B:83:ARG:CG	1:E:351:THR:CB[2_757]	2.14	0.06
1:B:84:VAL:CB	1:E:349:ASP:N[2_757]	2.14	0.06
1:B:110:ARG:CD	1:E:410:LYS:CG[2_757]	2.14	0.06
1:B:118:ILE:N	1:C:98:GLY:O[2_858]	2.14	0.06
1:B:122:VAL:CG1	1:C:64:ALA:O[2_858]	2.14	0.06
1:B:125:TRP:CZ2	1:C:67:LYS:CB[2_858]	2.14	0.06
1:B:140:TYR:CA	1:E:34:PRO:CB[2_757]	2.14	0.06
1:B:140:TYR:OH	1:E:2:PHE:N[2_757]	2.14	0.06
1:B:286:GLY:CA	1:C:66:LYS:C[2_858]	2.14	0.06
1:B:287:PHE:O	1:C:103:ILE:O[2_858]	2.14	0.06
1:B:306:GLU:CD	1:E:404:ARG:CA[2_757]	2.14	0.06
1:B:306:GLU:OE2	1:E:405:LEU:N[2_757]	2.14	0.06
1:B:309:ALA:N	1:E:411:SER:OG[2_757]	2.14	0.06
1:B:317:HIS:ND1	1:C:198:SER:N[2_858]	2.14	0.06
1:B:321:TYR:CG	1:C:233:TYR:CD1[2_858]	2.14	0.06
1:B:321:TYR:O	1:C:241:PHE:CD1[2_858]	2.14	0.06
1:B:322:GLN:CD	1:C:240:LYS:N[2_858]	2.14	0.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:327:THR:OG1	1:C:199:PHE:CD1[2_858]	2.14	0.06
1:B:345:ARG:NH1	1:E:372:ASP:O[2_757]	2.14	0.06
1:B:356:LYS:CG	1:C:159:PRO:C[2_858]	2.14	0.06
1:B:361:LEU:CD2	1:D:178:SER:OG[2_858]	2.14	0.06
1:B:362:GLU:CB	1:D:176:LYS:CA[2_858]	2.14	0.06
1:B:382:ALA:C	1:C:306:GLU:OE1[2_858]	2.14	0.06
1:B:383:CYS:CB	1:C:101:ARG:CZ[2_858]	2.14	0.06
1:B:385:ASN:CG	1:C:133:ARG:NH1[2_858]	2.14	0.06
1:B:386:ASN:N	1:C:295:SER:CB[2_858]	2.14	0.06
1:B:387:GLU:OE2	4:C:1302:AKG:O2[2_858]	2.14	0.06
1:B:389:SER:C	1:C:276:GLY:N[2_858]	2.14	0.06
1:B:390:ALA:C	1:C:133:ARG:CD[2_858]	2.14	0.06
1:B:391:TYR:CE2	1:C:132:GLY:CA[2_858]	2.14	0.06
1:B:391:TYR:CE2	1:C:132:GLY:N[2_858]	2.14	0.06
1:B:395:GLU:CA	1:C:229:PHE:CG[2_858]	2.14	0.06
1:B:396:GLU:OE1	1:C:211:LEU:C[2_858]	2.14	0.06
1:B:397:PHE:N	1:C:225:PHE:CB[2_858]	2.14	0.06
1:B:398:LEU:CD2	1:C:228:ILE:CB[2_858]	2.14	0.06
1:B:398:LEU:CD1	1:C:228:ILE:C[2_858]	2.14	0.06
1:B:407:LYS:NZ	1:D:144:ASP:CG[2_858]	2.14	0.06
1:B:407:LYS:NZ	1:D:144:ASP:N[2_858]	2.14	0.06
1:B:409:ILE:O	1:C:168:GLN:CD[2_858]	2.14	0.06
1:C:315:THR:N	1:C:323:LYS:CD[2_958]	2.14	0.06
1:C:391:TYR:CZ	1:C:393:THR:CG2[2_958]	2.14	0.06
1:D:7:VAL:CG1	1:E:281:ASP:N[2_757]	2.14	0.06
1:D:10:PRO:CA	1:E:285:GLN:N[2_757]	2.14	0.06
1:D:14:LEU:CG	1:E:264:LYS:O[2_757]	2.14	0.06
1:D:27:ILE:CD1	1:E:268:ILE:CD1[2_757]	2.14	0.06
1:D:30:LYS:C	1:E:109:PHE:CE2[2_757]	2.14	0.06
1:D:35:TYR:CD1	1:E:107:THR:O[2_757]	2.14	0.06
1:D:36:LEU:CG	1:E:110:ARG:CG[2_757]	2.14	0.06
1:D:37:ASP:CG	1:E:309:ALA:C[2_757]	2.14	0.06
1:D:41:LYS:O	1:E:120:ARG:NH2[2_757]	2.14	0.06
1:D:72:ILE:CD1	1:E:129:ILE:CA[2_757]	2.14	0.06
1:D:74:CYS:CB	1:E:127:LYS:CD[2_757]	2.14	0.06
1:D:83:ARG:O	1:D:85:LYS:CD[2_858]	2.14	0.06
1:D:105:GLY:C	1:F:382:ALA:N[2_757]	2.14	0.06
1:D:127:LYS:CE	1:F:86:GLU:OE1[2_757]	2.14	0.06
1:D:135:ALA:CA	1:F:381:LEU:CG[2_757]	2.14	0.06
1:D:136:HIS:O	1:F:385:ASN:O[2_757]	2.14	0.06
1:D:194:PHE:CG	1:F:377:LYS:CB[2_757]	2.14	0.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:195:ALA:CB	1:F:329:THR:O[2_757]	2.14	0.06
1:D:196:HIS:N	1:F:330:ASN:CG[2_757]	2.14	0.06
1:D:205:LYS:N	3:F:1601:NDP:N1N[2_757]	2.14	0.06
1:D:206:LYS:CD	1:F:77:ILE:N[2_757]	2.14	0.06
1:D:208:ASN:CA	1:F:18:GLU:C[2_757]	2.14	0.06
1:D:210:PHE:CG	1:F:321:TYR:CA[2_757]	2.14	0.06
1:D:233:TYR:CG	1:F:23:ILE:O[2_757]	2.14	0.06
1:D:233:TYR:CA	1:F:398:LEU:CD1[2_757]	2.14	0.06
1:D:233:TYR:C	1:F:27:ILE:CG1[2_757]	2.14	0.06
1:D:237:TYR:O	1:F:24:TRP:CA[2_757]	2.14	0.06
1:D:242:GLU:CB	1:F:15:ASP:OD1[2_757]	2.14	0.06
1:D:243:GLN:CD	1:F:14:LEU:O[2_757]	2.14	0.06
1:D:244:LEU:O	1:F:45:LEU:O[2_757]	2.14	0.06
1:D:296:ILE:CB	1:E:259:GLN:CD[2_757]	2.14	0.06
1:D:303:LYS:CA	1:F:286:GLY:C[2_757]	2.14	0.06
1:D:305:PHE:C	1:E:260:MET:O[2_757]	2.14	0.06
1:D:314:VAL:CB	1:E:244:LEU:O[2_757]	2.14	0.06
1:D:317:HIS:ND1	1:E:243:GLN:CA[2_757]	2.14	0.06
1:D:331:SER:N	1:E:246:ILE:CD1[2_757]	2.14	0.06
1:D:338:TRP:C	1:E:269:MET:CA[2_757]	2.14	0.06
1:D:338:TRP:CB	1:E:130:ILE:O[2_757]	2.14	0.06
1:D:355:CYS:C	1:E:275:ASP:N[2_757]	2.14	0.06
1:D:357:PHE:CG	1:E:133:ARG:N[2_757]	2.14	0.06
1:D:360:ILE:CD1	1:E:134:HIS:CG[2_757]	2.14	0.06
1:D:366:LEU:N	1:E:229:PHE:CD2[2_757]	2.14	0.06
1:D:369:VAL:CA	1:E:231:GLU:O[2_757]	2.14	0.06
1:D:397:PHE:CE1	1:E:237:TYR:CD2[2_757]	2.14	0.06
1:D:401:VAL:CA	1:E:197:SER:N[2_757]	2.14	0.06
1:E:241:PHE:C	3:D:1401:NDP:N1A[2_757]	2.14	0.06
1:E:52:ALA:O	1:E:175:TYR:CB[2_657]	2.14	0.06
1:E:56:LYS:CA	1:F:159:PRO:CB[2_657]	2.14	0.06
1:E:58:THR:O	1:F:162:PRO:C[2_657]	2.14	0.06
1:E:61:ALA:CA	1:F:161:ASP:O[2_657]	2.14	0.06
1:A:2:PHE:O	1:E:155:LEU:O[2_657]	2.15	0.05
1:A:4:LYS:CD	1:E:153:LEU:N[2_657]	2.15	0.05
1:A:11:VAL:C	1:A:167:PRO:CD[2_757]	2.15	0.05
1:A:12:VAL:CG1	1:A:168:GLN:N[2_757]	2.15	0.05
1:A:13:GLU:N	1:A:167:PRO:C[2_757]	2.15	0.05
1:A:13:GLU:CA	1:A:169:THR:N[2_757]	2.15	0.05
1:A:15:ASP:CA	1:A:154:GLU:CG[2_757]	2.15	0.05
1:A:17:ASP:CA	1:A:152:SER:C[2_757]	2.15	0.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:53:THR:N	1:B:141:LYS:C[2_757]	2.15	0.05
1:A:68:TYR:CD1	1:B:148:PRO:CG[2_757]	2.15	0.05
1:A:69:GLY:O	1:A:159:PRO:CB[2_757]	2.15	0.05
1:A:73:LYS:NZ	1:B:156:VAL:CG2[2_757]	2.15	0.05
1:A:75:ALA:O	1:B:156:VAL:CA[2_757]	2.15	0.05
1:A:75:ALA:C	1:B:168:GLN:O[2_757]	2.15	0.05
1:A:88:ASN:N	1:B:187:THR:CB[2_757]	2.15	0.05
1:A:88:ASN:ND2	1:B:191:ILE:N[2_757]	2.15	0.05
1:A:128:PRO:CD	1:C:36:LEU:CG[2_858]	2.15	0.05
1:A:149:GLY:CA	5:A:1124:HOH:O[2_757]	2.15	0.05
1:A:158:LYS:NZ	1:A:308:GLU:CA[2_757]	2.15	0.05
1:A:160:SER:OG	1:A:304:THR:CB[2_757]	2.15	0.05
1:A:215:ASN:CB	1:E:6:LYS:CE[2_757]	2.15	0.05
1:A:217:ILE:CA	1:E:36:LEU:C[2_757]	2.15	0.05
1:A:261:ILE:C	1:C:69:GLY:CA[2_858]	2.15	0.05
1:A:282:ILE:C	1:C:9:GLN:OE1[2_858]	2.15	0.05
1:A:287:PHE:N	1:C:10:PRO:CA[2_858]	2.15	0.05
1:A:320:LYS:C	1:B:161:ASP:CG[2_757]	2.15	0.05
1:A:365:THR:C	1:F:59:GLN:CD[2_657]	2.15	0.05
1:A:371:GLN:O	1:F:45:LEU:O[2_657]	2.15	0.05
1:A:371:GLN:C	1:F:50:ARG:CD[2_657]	2.15	0.05
1:A:380:ALA:CA	1:F:41:LYS:O[2_657]	2.15	0.05
1:A:390:ALA:O	1:F:12:VAL:O[2_657]	2.15	0.05
1:A:391:TYR:O	1:F:71:GLY:CA[2_657]	2.15	0.05
1:A:391:TYR:CE1	1:F:69:GLY:O[2_657]	2.15	0.05
1:A:391:TYR:CB	1:F:71:GLY:CA[2_657]	2.15	0.05
1:A:391:TYR:CA	1:F:71:GLY:N[2_657]	2.15	0.05
1:A:392:VAL:O	1:F:65:ILE:CB[2_657]	2.15	0.05
1:A:397:PHE:CD2	1:F:103:ILE:CG2[2_657]	2.15	0.05
1:A:397:PHE:C	1:F:104:LEU:N[2_657]	2.15	0.05
1:A:400:ALA:CA	1:F:99:THR:C[2_657]	2.15	0.05
1:A:408:GLU:N	1:F:94:LYS:CG[2_657]	2.15	0.05
1:B:10:PRO:N	1:E:117:ARG:NE[2_757]	2.15	0.05
1:B:43:TYR:CE1	1:E:115:ILE:CG1[2_757]	2.15	0.05
1:B:50:ARG:C	1:E:340:ARG:CB[2_757]	2.15	0.05
1:B:56:LYS:CB	1:E:337:ALA:CA[2_757]	2.15	0.05
1:B:60:ASP:C	1:E:365:THR:CG2[2_757]	2.15	0.05
1:B:66:LYS:CE	1:E:395:GLU:C[2_757]	2.15	0.05
1:B:66:LYS:CB	1:E:397:PHE:CD1[2_757]	2.15	0.05
1:B:69:GLY:C	1:E:374:ILE:CD1[2_757]	2.15	0.05
1:B:69:GLY:N	1:E:373:GLY:C[2_757]	2.15	0.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:77:ILE:CA	1:E:356:LYS:C[2_757]	2.15	0.05
1:B:78:THR:CA	1:E:354:LEU:CA[2_757]	2.15	0.05
1:B:89:LEU:CG	1:E:347:GLU:N[2_757]	2.15	0.05
1:B:91:LYS:CE	1:E:72:ILE:N[2_757]	2.15	0.05
1:B:93:TRP:CD1	1:E:341:GLY:O[2_757]	2.15	0.05
1:B:94:LYS:N	1:E:342:LEU:CD1[2_757]	2.15	0.05
1:B:100:ILE:CG2	1:E:401:VAL:C[2_757]	2.15	0.05
1:B:104:LEU:CG	1:E:401:VAL:C[2_757]	2.15	0.05
1:B:124:ARG:CZ	1:F:39:ASP:CG[2_657]	2.15	0.05
1:B:139:GLN:O	1:E:4:LYS:CE[2_757]	2.15	0.05
1:B:261:ILE:CB	1:C:67:LYS:CE[2_858]	2.15	0.05
1:B:277:ASP:CG	1:E:2:PHE:CD2[2_757]	2.15	0.05
1:B:290:LEU:CD2	1:C:301:ASP:CA[2_858]	2.15	0.05
1:B:290:LEU:CB	1:C:301:ASP:CB[2_858]	2.15	0.05
1:B:310:ALA:O	1:E:410:LYS:CA[2_757]	2.15	0.05
1:B:321:TYR:O	1:C:241:PHE:CB[2_858]	2.15	0.05
1:B:322:GLN:NE2	1:C:240:LYS:CA[2_858]	2.15	0.05
1:B:335:ILE:CG1	1:C:189:GLU:N[2_858]	2.15	0.05
1:B:356:LYS:N	1:C:161:ASP:N[2_858]	2.15	0.05
1:B:368:THR:CB	1:C:185:TYR:C[2_858]	2.15	0.05
1:B:368:THR:OG1	1:C:186:ASN:CA[2_858]	2.15	0.05
1:B:371:GLN:CA	1:C:142:ALA:CA[2_858]	2.15	0.05
1:B:380:ALA:CB	1:C:108:VAL:CG2[2_858]	2.15	0.05
1:B:380:ALA:N	1:C:135:ALA:CA[2_858]	2.15	0.05
1:B:385:ASN:CG	1:C:110:ARG:NH2[2_858]	2.15	0.05
1:B:390:ALA:CA	1:C:133:ARG:CD[2_858]	2.15	0.05
1:B:391:TYR:CA	1:C:133:ARG:CA[2_858]	2.15	0.05
1:B:391:TYR:N	1:C:133:ARG:CB[2_858]	2.15	0.05
1:B:394:THR:CB	1:C:195:ALA:CA[2_858]	2.15	0.05
1:B:398:LEU:O	1:C:224:ARG:O[2_858]	2.15	0.05
1:B:409:ILE:CG1	1:D:146:LEU:O[2_858]	2.15	0.05
1:E:409:ILE:O	4:B:1202:AKG:O2[2_757]	2.15	0.05
1:C:324:GLY:N	3:C:1301:NDP:O3X[2_958]	2.15	0.05
1:C:325:GLU:OE1	1:C:329:THR:OG1[2_958]	2.15	0.05
1:D:3:SER:OG	1:E:101:ARG:NH1[2_757]	2.15	0.05
1:D:5:ILE:CG1	1:E:133:ARG:NE[2_757]	2.15	0.05
1:D:14:LEU:N	1:E:128:PRO:N[2_757]	2.15	0.05
1:D:23:ILE:CG2	1:E:207:LEU:N[2_757]	2.15	0.05
1:D:23:ILE:CG1	1:E:206:LYS:CA[2_757]	2.15	0.05
1:D:24:TRP:O	1:E:205:LYS:CG[2_757]	2.15	0.05
1:D:26:LYS:CB	1:E:204:ASP:OD2[2_757]	2.15	0.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:31:LEU:CG	1:E:201:LEU:CD1[2_757]	2.15	0.05
1:D:32:ILE:C	1:E:109:PHE:CB[2_757]	2.15	0.05
1:D:35:TYR:CD1	1:E:107:THR:C[2_757]	2.15	0.05
1:D:35:TYR:N	1:E:108:VAL:CG1[2_757]	2.15	0.05
1:D:38:VAL:CG2	1:E:111:GLU:N[2_757]	2.15	0.05
1:D:38:VAL:CG2	1:E:111:GLU:C[2_757]	2.15	0.05
1:D:41:LYS:O	1:E:120:ARG:CZ[2_757]	2.15	0.05
1:D:70:VAL:C	1:E:125:TRP:CE3[2_757]	2.15	0.05
1:D:109:PHE:CD2	3:F:1601:NDP:C1B[2_757]	2.15	0.05
1:D:117:ARG:C	1:E:234:GLU:OE2[2_757]	2.15	0.05
1:D:137:GLY:O	1:F:386:ASN:C[2_757]	2.15	0.05
1:D:186:ASN:CA	1:F:389:SER:O[2_757]	2.15	0.05
1:D:189:GLU:CD	1:F:118:ILE:CD1[2_757]	2.15	0.05
1:D:189:GLU:CA	1:F:375:MET:SD[2_757]	2.15	0.05
1:D:190:SER:CA	1:F:380:ALA:N[2_757]	2.15	0.05
1:D:204:ASP:N	1:F:312:GLY:O[2_757]	2.15	0.05
1:D:208:ASN:C	1:F:19:MET:N[2_757]	2.15	0.05
1:D:212:SER:CA	1:F:325:GLU:CA[2_757]	2.15	0.05
1:D:226:LYS:C	1:F:393:THR:OG1[2_757]	2.15	0.05
1:D:229:PHE:CD2	1:F:394:THR:CG2[2_757]	2.15	0.05
1:D:231:GLU:CB	1:F:397:PHE:O[2_757]	2.15	0.05
1:D:232:VAL:N	1:F:398:LEU:CB[2_757]	2.15	0.05
1:D:233:TYR:CG	1:F:23:ILE:C[2_757]	2.15	0.05
1:D:234:GLU:CG	1:F:26:LYS:CB[2_757]	2.15	0.05
1:D:236:GLN:C	1:F:335:ILE:N[2_757]	2.15	0.05
1:D:238:LYS:CA	1:F:25:ASP:N[2_757]	2.15	0.05
1:D:239:SER:C	1:F:24:TRP:CD1[2_757]	2.15	0.05
1:D:243:GLN:CD	1:F:14:LEU:CA[2_757]	2.15	0.05
1:D:243:GLN:CD	1:F:14:LEU:CB[2_757]	2.15	0.05
1:D:246:ILE:CG2	1:F:17:ASP:CG[2_757]	2.15	0.05
1:D:268:ILE:C	1:F:315:THR:O[2_757]	2.15	0.05
1:D:300:PRO:O	1:F:289:SER:O[2_757]	2.15	0.05
1:D:300:PRO:O	1:F:289:SER:OG[2_757]	2.15	0.05
1:D:303:LYS:CB	1:F:286:GLY:N[2_757]	2.15	0.05
1:D:306:GLU:CD	1:E:264:LYS:N[2_757]	2.15	0.05
1:D:330:ASN:N	1:E:240:LYS:O[2_757]	2.15	0.05
1:D:338:TRP:CB	1:E:267:PHE:O[2_757]	2.15	0.05
1:D:341:GLY:C	1:E:269:MET:SD[2_757]	2.15	0.05
1:D:345:ARG:CZ	1:E:282:ILE:CG2[2_757]	2.15	0.05
1:D:346:GLY:O	1:F:279:GLN:NE2[2_757]	2.15	0.05
1:D:348:LEU:CD1	1:F:282:ILE:CG2[2_757]	2.15	0.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:348:LEU:CD2	1:F:282:ILE:CB[2_757]	2.15	0.05
1:D:349:ASP:CA	1:F:257:VAL:CA[2_757]	2.15	0.05
1:D:356:LYS:CD	5:E:1505:HOH:O[2_757]	2.15	0.05
1:D:356:LYS:NZ	1:E:139:GLN:OE1[2_757]	2.15	0.05
1:D:356:LYS:CB	1:E:274:TYR:CA[2_757]	2.15	0.05
1:D:361:LEU:CD2	1:E:198:SER:OG[2_757]	2.15	0.05
1:D:362:GLU:C	1:E:229:PHE:CD2[2_757]	2.15	0.05
1:D:365:THR:CG2	1:E:199:PHE:CD1[2_757]	2.15	0.05
1:D:366:LEU:N	1:E:199:PHE:CZ[2_757]	2.15	0.05
1:D:369:VAL:N	1:E:232:VAL:CG1[2_757]	2.15	0.05
1:D:374:ILE:CB	1:E:236:GLN:CB[2_757]	2.15	0.05
1:D:376:THR:CB	1:E:240:LYS:CA[2_757]	2.15	0.05
1:D:377:LYS:CA	1:E:239:SER:CA[2_757]	2.15	0.05
1:D:392:VAL:C	1:E:240:LYS:CE[2_757]	2.15	0.05
1:D:397:PHE:CB	1:E:237:TYR:CD2[2_757]	2.15	0.05
1:D:404:ARG:N	1:E:193:GLY:O[2_757]	2.15	0.05
1:D:406:GLN:CB	1:E:299:THR:C[2_757]	2.15	0.05
1:D:406:GLN:CG	1:E:299:THR:O[2_757]	2.15	0.05
1:E:246:ILE:CG2	5:D:1409:HOH:O[2_757]	2.15	0.05
1:E:255:ASP:OD1	5:D:1418:HOH:O[2_757]	2.15	0.05
1:E:43:TYR:CE2	1:F:161:ASP:CA[2_657]	2.15	0.05
1:E:51:ASP:O	1:E:175:TYR:CZ[2_657]	2.15	0.05
1:E:62:ALA:CA	1:F:162:PRO:O[2_657]	2.15	0.05
1:E:84:VAL:C	1:F:225:PHE:N[2_657]	2.15	0.05
1:E:91:LYS:CB	1:E:145:THR:CA[2_657]	2.15	0.05
1:E:93:TRP:CZ2	1:E:147:ILE:CD1[2_657]	2.15	0.05
1:A:9:GLN:CG	1:A:163:THR:C[2_757]	2.16	0.04
1:A:11:VAL:C	1:A:167:PRO:CA[2_757]	2.16	0.04
1:A:15:ASP:CG	1:A:154:GLU:CG[2_757]	2.16	0.04
1:A:17:ASP:N	1:B:156:VAL:O[2_757]	2.16	0.04
1:A:17:ASP:OD1	1:A:153:LEU:CA[2_757]	2.16	0.04
1:A:19:MET:N	1:B:159:PRO:CA[2_757]	2.16	0.04
1:A:50:ARG:CA	1:B:183:ALA:O[2_757]	2.16	0.04
1:A:58:THR:N	1:B:182:MET:O[2_757]	2.16	0.04
1:A:59:GLN:O	1:B:180:VAL:O[2_757]	2.16	0.04
1:A:76:THR:O	1:B:168:GLN:CB[2_757]	2.16	0.04
1:A:94:LYS:NZ	1:A:140:TYR:C[2_757]	2.16	0.04
1:A:95:SER:N	1:A:143:THR:O[2_757]	2.16	0.04
1:A:105:GLY:N	1:B:174:ASP:CB[2_757]	2.16	0.04
1:A:111:GLU:OE2	1:C:6:LYS:CG[2_858]	2.16	0.04
1:A:111:GLU:CD	1:C:6:LYS:N[2_858]	2.16	0.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:127:LYS:CA	1:C:36:LEU:CD1[2_858]	2.16	0.04
1:A:217:ILE:CG1	1:E:4:LYS:CB[2_757]	2.16	0.04
1:A:263:SER:C	1:C:70:VAL:CG1[2_858]	2.16	0.04
1:A:264:LYS:CA	1:C:341:GLY:CA[2_858]	2.16	0.04
1:A:266:GLY:C	1:C:354:LEU:CA[2_858]	2.16	0.04
1:A:268:ILE:CA	1:C:351:THR:C[2_858]	2.16	0.04
1:A:269:MET:CE	5:C:1325:HOH:O[2_858]	2.16	0.04
1:A:283:VAL:CB	1:C:9:GLN:CD[2_858]	2.16	0.04
1:A:287:PHE:O	1:C:39:ASP:CB[2_858]	2.16	0.04
1:A:308:GLU:CD	1:B:154:GLU:OE2[2_757]	2.16	0.04
1:A:313:THR:CA	1:B:157:TYR:O[2_757]	2.16	0.04
1:A:313:THR:N	1:B:167:PRO:O[2_757]	2.16	0.04
1:A:317:HIS:O	1:B:162:PRO:CD[2_757]	2.16	0.04
1:A:319:ARG:CG	1:B:164:THR:CA[2_757]	2.16	0.04
1:A:329:THR:CA	1:F:67:LYS:N[2_657]	2.16	0.04
1:A:366:LEU:CA	1:F:56:LYS:O[2_657]	2.16	0.04
1:A:369:VAL:CG2	1:F:57:ILE:O[2_657]	2.16	0.04
1:A:372:ASP:OD2	1:F:95:SER:O[2_657]	2.16	0.04
1:A:376:THR:CB	1:F:65:ILE:CA[2_657]	2.16	0.04
1:A:386:ASN:CG	1:F:38:VAL:CB[2_657]	2.16	0.04
1:A:389:SER:O	1:F:72:ILE:C[2_657]	2.16	0.04
1:A:392:VAL:CB	1:F:306:GLU:CB[2_657]	2.16	0.04
1:B:170:LEU:N	3:A:1101:NDP:O7N[2_757]	2.16	0.04
1:B:168:GLN:CD	3:A:1101:NDP:O2D[2_757]	2.16	0.04
1:B:22:ILE:O	1:C:232:VAL:CA[2_858]	2.16	0.04
1:B:46:SER:C	1:E:343:LEU:CD1[2_757]	2.16	0.04
1:B:55:ASP:CG	1:E:338:TRP:CA[2_757]	2.16	0.04
1:B:59:GLN:CB	1:E:334:SER:C[2_757]	2.16	0.04
1:B:81:GLU:OE2	1:E:8:LYS:CE[2_757]	2.16	0.04
1:B:82:ALA:CA	1:E:349:ASP:O[2_757]	2.16	0.04
1:B:90:HIS:CD2	1:E:71:GLY:N[2_757]	2.16	0.04
1:B:91:LYS:NZ	1:E:71:GLY:CA[2_757]	2.16	0.04
1:B:95:SER:C	1:E:357:PHE:CD2[2_757]	2.16	0.04
1:B:95:SER:CB	1:E:357:PHE:CE1[2_757]	2.16	0.04
1:B:104:LEU:CB	1:E:402:GLU:N[2_757]	2.16	0.04
1:B:116:PRO:CA	1:C:102:ASN:OD1[2_858]	2.16	0.04
1:B:120:ARG:CA	1:C:104:LEU:CD2[2_858]	2.16	0.04
1:B:121:LEU:N	1:C:104:LEU:CD2[2_858]	2.16	0.04
1:B:260:MET:O	1:C:67:LYS:CE[2_858]	2.16	0.04
1:B:277:ASP:CB	1:E:2:PHE:CA[2_757]	2.16	0.04
1:B:285:GLN:CB	1:C:303:LYS:O[2_858]	2.16	0.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:291:GLY:N	1:C:300:PRO:CD[2_858]	2.16	0.04
1:B:297:LEU:C	1:E:403:LYS:CE[2_757]	2.16	0.04
1:B:307:SER:O	1:E:408:GLU:CG[2_757]	2.16	0.04
1:B:309:ALA:O	1:E:411:SER:CB[2_757]	2.16	0.04
1:B:313:THR:CG2	1:E:356:LYS:CD[2_757]	2.16	0.04
1:B:320:LYS:O	1:C:241:PHE:CZ[2_858]	2.16	0.04
1:B:320:LYS:CG	1:C:201:LEU:O[2_858]	2.16	0.04
1:B:326:GLU:O	1:C:209:LEU:CD2[2_858]	2.16	0.04
1:B:330:ASN:ND2	1:C:190:SER:C[2_858]	2.16	0.04
1:B:353:ALA:C	1:C:161:ASP:O[2_858]	2.16	0.04
1:B:357:PHE:CZ	1:D:148:PRO:CA[2_858]	2.16	0.04
1:B:357:PHE:O	1:D:149:GLY:O[2_858]	2.16	0.04
1:B:362:GLU:OE1	1:D:176:LYS:N[2_858]	2.16	0.04
1:B:367:ASN:CG	1:D:173:TYR:CB[2_858]	2.16	0.04
1:B:381:LEU:CB	1:C:296:ILE:O[2_858]	2.16	0.04
1:B:383:CYS:SG	1:C:101:ARG:CG[2_858]	2.16	0.04
1:B:386:ASN:CG	1:C:294:THR:C[2_858]	2.16	0.04
1:B:395:GLU:CD	1:C:229:PHE:CG[2_858]	2.16	0.04
1:B:402:GLU:C	1:C:220:LYS:O[2_858]	2.16	0.04
1:B:403:LYS:CD	1:D:144:ASP:OD2[2_858]	2.16	0.04
1:C:157:TYR:N	5:B:1205:HOH:O[2_858]	2.16	0.04
1:D:2:PHE:CE1	1:E:101:ARG:N[2_757]	2.16	0.04
1:D:31:LEU:C	1:E:109:PHE:CB[2_757]	2.16	0.04
1:D:66:LYS:CA	1:E:123:PRO:CD[2_757]	2.16	0.04
1:D:68:TYR:CZ	1:E:120:ARG:CA[2_757]	2.16	0.04
1:D:69:GLY:N	1:E:122:VAL:CA[2_757]	2.16	0.04
1:D:70:VAL:CB	1:E:125:TRP:CE2[2_757]	2.16	0.04
1:D:70:VAL:CG2	1:E:125:TRP:CZ2[2_757]	2.16	0.04
1:D:70:VAL:CG2	1:E:261:ILE:CD1[2_757]	2.16	0.04
1:D:102:ASN:CB	1:F:384:GLY:O[2_757]	2.16	0.04
1:D:115:ILE:CG2	1:E:230:GLN:CG[2_757]	2.16	0.04
1:D:138:ASP:CB	1:F:388:ARG:N[2_757]	2.16	0.04
1:D:191:ILE:O	1:F:376:THR:CG2[2_757]	2.16	0.04
1:D:197:SER:O	3:F:1601:NDP:N1A[2_757]	2.16	0.04
1:D:207:LEU:O	1:F:18:GLU:CA[2_757]	2.16	0.04
1:D:207:LEU:CA	1:F:18:GLU:CB[2_757]	2.16	0.04
1:D:208:ASN:C	1:F:318:TYR:CB[2_757]	2.16	0.04
1:D:209:LEU:N	1:F:19:MET:CA[2_757]	2.16	0.04
1:D:225:PHE:CD2	1:F:392:VAL:O[2_757]	2.16	0.04
1:D:227:ASP:O	1:F:396:GLU:CA[2_757]	2.16	0.04
1:D:227:ASP:C	1:F:395:GLU:C[2_757]	2.16	0.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:232:VAL:C	1:F:398:LEU:CG[2_757]	2.16	0.04
1:D:233:TYR:CE2	1:F:22:ILE:C[2_757]	2.16	0.04
1:D:237:TYR:C	1:F:24:TRP:CA[2_757]	2.16	0.04
1:D:240:LYS:CB	1:F:24:TRP:CZ3[2_757]	2.16	0.04
1:D:241:PHE:CZ	1:F:20:THR:C[2_757]	2.16	0.04
1:D:242:GLU:N	1:F:15:ASP:CG[2_757]	2.16	0.04
1:D:242:GLU:O	1:F:15:ASP:CA[2_757]	2.16	0.04
1:D:242:GLU:CA	1:F:15:ASP:CB[2_757]	2.16	0.04
1:D:246:ILE:N	1:F:16:GLY:C[2_757]	2.16	0.04
1:D:266:GLY:O	1:F:319:ARG:CZ[2_757]	2.16	0.04
1:D:268:ILE:N	1:F:318:TYR:CB[2_757]	2.16	0.04
1:D:269:MET:N	1:F:317:HIS:CA[2_757]	2.16	0.04
1:D:271:LEU:CB	1:F:320:LYS:CD[2_757]	2.16	0.04
1:D:289:SER:CB	1:E:242:GLU:OE2[2_757]	2.16	0.04
1:D:294:THR:OG1	1:E:251:ARG:CZ[2_757]	2.16	0.04
1:D:301:ASP:CA	1:F:288:GLY:C[2_757]	2.16	0.04
1:D:337:ALA:N	1:E:210:PHE:CE1[2_757]	2.16	0.04
1:D:338:TRP:CE3	1:E:130:ILE:C[2_757]	2.16	0.04
1:D:338:TRP:N	1:E:267:PHE:C[2_757]	2.16	0.04
1:D:344:LYS:C	1:E:260:MET:CE[2_757]	2.16	0.04
1:D:347:GLU:CD	1:F:278:VAL:CG1[2_757]	2.16	0.04
1:D:351:THR:CG2	1:E:278:VAL:CA[2_757]	2.16	0.04
1:D:354:LEU:CD2	1:E:276:GLY:O[2_757]	2.16	0.04
1:D:354:LEU:CD2	1:E:280:SER:N[2_757]	2.16	0.04
1:D:354:LEU:CD1	1:E:279:GLN:CB[2_757]	2.16	0.04
1:D:367:ASN:CA	1:E:228:ILE:C[2_757]	2.16	0.04
1:D:368:THR:CG2	1:E:237:TYR:OH[2_757]	2.16	0.04
1:D:374:ILE:CA	1:E:236:GLN:CA[2_757]	2.16	0.04
1:D:376:THR:CA	1:E:239:SER:CA[2_757]	2.16	0.04
1:D:404:ARG:NE	1:E:192:GLU:O[2_757]	2.16	0.04
1:D:405:LEU:N	1:E:194:PHE:N[2_757]	2.16	0.04
1:D:410:LYS:O	1:E:136:HIS:CD2[2_757]	2.16	0.04
1:F:320:LYS:C	5:D:1441:HOH:O[2_757]	2.16	0.04
1:E:51:ASP:CG	1:E:180:VAL:N[2_657]	2.16	0.04
1:E:54:SER:CB	1:F:157:TYR:CD1[2_657]	2.16	0.04
1:E:56:LYS:O	1:F:159:PRO:C[2_657]	2.16	0.04
1:E:56:LYS:CA	1:F:158:LYS:C[2_657]	2.16	0.04
1:E:62:ALA:N	1:F:162:PRO:O[2_657]	2.16	0.04
1:E:86:GLU:C	1:F:228:ILE:CG1[2_657]	2.16	0.04
1:E:91:LYS:CD	1:E:145:THR:C[2_657]	2.16	0.04
1:A:11:VAL:CA	1:A:167:PRO:CG[2_757]	2.17	0.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:13:GLU:CB	1:A:169:THR:OG1[2_757]	2.17	0.03
1:A:17:ASP:CA	1:B:158:LYS:N[2_757]	2.17	0.03
1:A:20:THR:CA	1:B:158:LYS:CB[2_757]	2.17	0.03
1:A:33:LEU:CD1	1:E:176:LYS:CG[2_657]	2.17	0.03
1:A:34:PRO:CA	1:E:174:ASP:CA[2_657]	2.17	0.03
1:A:47:VAL:CA	1:A:153:LEU:CG[2_757]	2.17	0.03
1:A:49:SER:N	1:A:172:VAL:C[2_757]	2.17	0.03
1:A:51:ASP:CG	1:B:185:TYR:CA[2_757]	2.17	0.03
1:A:66:LYS:O	1:B:149:GLY:O[2_757]	2.17	0.03
1:A:70:VAL:CA	1:A:159:PRO:CD[2_757]	2.17	0.03
1:A:70:VAL:O	1:A:167:PRO:N[2_757]	2.17	0.03
1:A:73:LYS:CA	1:A:156:VAL:CB[2_757]	2.17	0.03
1:A:74:CYS:SG	1:B:158:LYS:NZ[2_757]	2.17	0.03
1:A:86:GLU:CB	1:A:178:SER:OG[2_757]	2.17	0.03
1:A:93:TRP:CB	1:A:182:MET:N[2_757]	2.17	0.03
1:A:100:ILE:N	1:B:172:VAL:CA[2_757]	2.17	0.03
1:A:116:PRO:CB	1:C:33:LEU:CD1[2_858]	2.17	0.03
1:A:124:ARG:NH2	1:C:296:ILE:CG1[2_858]	2.17	0.03
1:A:145:THR:OG1	5:A:1113:HOH:O[2_757]	2.17	0.03
1:A:214:LYS:NZ	1:E:3:SER:CB[2_757]	2.17	0.03
1:A:263:SER:O	1:C:70:VAL:CG2[2_858]	2.17	0.03
1:A:264:LYS:NZ	1:C:337:ALA:CA[2_858]	2.17	0.03
1:A:267:PHE:CE1	1:C:349:ASP:N[2_858]	2.17	0.03
1:A:267:PHE:CG	1:C:347:GLU:N[2_858]	2.17	0.03
1:A:268:ILE:CB	1:C:351:THR:CA[2_858]	2.17	0.03
1:A:317:HIS:C	1:B:163:THR:N[2_757]	2.17	0.03
1:A:318:TYR:CB	1:B:159:PRO:C[2_757]	2.17	0.03
1:A:330:ASN:N	1:F:63:GLU:O[2_657]	2.17	0.03
1:A:331:SER:OG	1:F:66:LYS:CE[2_657]	2.17	0.03
1:A:375:MET:CE	1:F:14:LEU:CD2[2_657]	2.17	0.03
1:A:381:LEU:CA	1:F:41:LYS:CG[2_657]	2.17	0.03
1:A:383:CYS:C	1:F:40:LEU:O[2_657]	2.17	0.03
1:A:386:ASN:CA	1:F:11:VAL:CB[2_657]	2.17	0.03
1:A:389:SER:O	1:F:72:ILE:N[2_657]	2.17	0.03
1:A:396:GLU:CD	1:F:297:LEU:O[2_657]	2.17	0.03
1:A:399:ASP:CA	1:F:101:ARG:C[2_657]	2.17	0.03
1:B:169:THR:CA	3:A:1101:NDP:C3N[2_757]	2.17	0.03
1:B:189:GLU:N	5:A:1129:HOH:O[2_757]	2.17	0.03
1:B:11:VAL:CB	1:E:371:GLN:CA[2_757]	2.17	0.03
1:B:13:GLU:CA	1:E:367:ASN:CG[2_757]	2.17	0.03
1:B:19:MET:CG	1:C:237:TYR:OH[2_858]	2.17	0.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:41:LYS:N	1:E:370:GLN:OE1[2_757]	2.17	0.03
1:B:57:ILE:CG2	1:E:336:PHE:CD2[2_757]	2.17	0.03
1:B:60:ASP:C	1:E:332:ILE:CG2[2_757]	2.17	0.03
1:B:70:VAL:CG2	1:E:372:ASP:CA[2_757]	2.17	0.03
1:B:82:ALA:CB	1:E:350:ASN:O[2_757]	2.17	0.03
1:B:83:ARG:NE	1:E:352:PRO:CD[2_757]	2.17	0.03
1:B:88:ASN:O	1:E:348:LEU:CG[2_757]	2.17	0.03
1:B:90:HIS:CE1	1:E:71:GLY:N[2_757]	2.17	0.03
1:B:97:ASN:N	1:E:357:PHE:CE1[2_757]	2.17	0.03
1:B:100:ILE:C	1:E:402:GLU:CA[2_757]	2.17	0.03
1:B:140:TYR:C	1:E:34:PRO:CD[2_757]	2.17	0.03
1:B:285:GLN:CB	1:C:303:LYS:C[2_858]	2.17	0.03
1:B:289:SER:O	1:C:301:ASP:OD1[2_858]	2.17	0.03
1:B:317:HIS:CD2	1:C:197:SER:O[2_858]	2.17	0.03
1:B:317:HIS:O	1:C:200:LYS:N[2_858]	2.17	0.03
1:B:322:GLN:N	1:C:241:PHE:CD2[2_858]	2.17	0.03
1:B:326:GLU:N	1:C:209:LEU:CG[2_858]	2.17	0.03
1:B:362:GLU:OE1	1:D:176:LYS:O[2_858]	2.17	0.03
1:B:366:LEU:O	1:C:185:TYR:CZ[2_858]	2.17	0.03
1:B:368:THR:CB	1:C:185:TYR:O[2_858]	2.17	0.03
1:B:369:VAL:O	1:C:137:GLY:O[2_858]	2.17	0.03
1:B:377:LYS:CA	1:C:107:THR:CB[2_858]	2.17	0.03
1:B:378:ASP:OD1	1:C:107:THR:OG1[2_858]	2.17	0.03
1:B:383:CYS:N	1:C:101:ARG:NE[2_858]	2.17	0.03
1:B:388:ARG:NE	1:C:269:MET:CB[2_858]	2.17	0.03
1:B:391:TYR:CG	1:C:133:ARG:C[2_858]	2.17	0.03
1:B:393:THR:O	1:C:229:PHE:CE1[2_858]	2.17	0.03
1:B:404:ARG:CA	1:D:181:ALA:C[2_858]	2.17	0.03
1:B:404:ARG:CD	1:D:181:ALA:CA[2_858]	2.17	0.03
1:C:315:THR:C	1:C:323:LYS:CG[2_958]	2.17	0.03
1:C:317:HIS:O	1:C:320:LYS:N[2_958]	2.17	0.03
1:C:317:HIS:N	1:C:320:LYS:C[2_958]	2.17	0.03
1:D:2:PHE:CD2	1:E:101:ARG:CA[2_757]	2.17	0.03
1:D:22:ILE:CG1	1:E:206:LYS:CE[2_757]	2.17	0.03
1:D:27:ILE:N	1:E:205:LYS:CB[2_757]	2.17	0.03
1:D:38:VAL:O	1:E:293:MET:N[2_757]	2.17	0.03
1:D:40:LEU:CB	1:E:112:PRO:N[2_757]	2.17	0.03
1:D:42:TYR:C	1:E:114:VAL:CG1[2_757]	2.17	0.03
1:D:43:TYR:CE1	1:E:120:ARG:CD[2_757]	2.17	0.03
1:D:68:TYR:CB	1:E:122:VAL:N[2_757]	2.17	0.03
1:D:71:GLY:CA	1:E:125:TRP:NE1[2_757]	2.17	0.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:81:GLU:CA	1:D:88:ASN:OD1[2_858]	2.17	0.03
1:D:106:GLY:N	1:F:381:LEU:CA[2_757]	2.17	0.03
1:D:113:ILE:CG1	1:E:249:GLU:C[2_757]	2.17	0.03
1:D:185:TYR:CE2	1:F:387:GLU:OE2[2_757]	2.17	0.03
1:D:186:ASN:N	1:F:389:SER:OG[2_757]	2.17	0.03
1:D:191:ILE:C	1:F:376:THR:C[2_757]	2.17	0.03
1:D:196:HIS:CA	1:F:330:ASN:ND2[2_757]	2.17	0.03
1:D:207:LEU:C	1:F:18:GLU:CD[2_757]	2.17	0.03
1:D:207:LEU:CD2	1:F:18:GLU:OE2[2_757]	2.17	0.03
1:D:208:ASN:CA	1:F:318:TYR:CD1[2_757]	2.17	0.03
1:D:225:PHE:CZ	1:F:388:ARG:NH1[2_757]	2.17	0.03
1:D:225:PHE:CA	1:F:396:GLU:OE2[2_757]	2.17	0.03
1:D:227:ASP:C	1:F:397:PHE:N[2_757]	2.17	0.03
1:D:231:GLU:O	1:F:398:LEU:CG[2_757]	2.17	0.03
1:D:233:TYR:OH	1:F:21:ARG:C[2_757]	2.17	0.03
1:D:233:TYR:O	1:F:27:ILE:CB[2_757]	2.17	0.03
1:D:234:GLU:OE1	1:F:30:LYS:N[2_757]	2.17	0.03
1:D:238:LYS:N	1:F:24:TRP:N[2_757]	2.17	0.03
1:D:243:GLN:CA	1:F:15:ASP:O[2_757]	2.17	0.03
1:D:245:GLY:CA	1:F:46:SER:CB[2_757]	2.17	0.03
1:D:268:ILE:N	1:F:315:THR:C[2_757]	2.17	0.03
1:D:301:ASP:C	5:F:1642:HOH:O[2_757]	2.17	0.03
1:D:301:ASP:N	1:F:288:GLY:O[2_757]	2.17	0.03
1:D:304:THR:CA	1:E:261:ILE:CG2[2_757]	2.17	0.03
1:D:305:PHE:N	1:E:261:ILE:CG2[2_757]	2.17	0.03
1:D:329:THR:CA	1:E:240:LYS:C[2_757]	2.17	0.03
1:D:329:THR:N	1:E:240:LYS:C[2_757]	2.17	0.03
1:D:331:SER:OG	1:E:203:ILE:N[2_757]	2.17	0.03
1:D:332:ILE:CA	1:E:241:PHE:CZ[2_757]	2.17	0.03
1:D:340:ARG:CA	1:E:256:MET:CE[2_757]	2.17	0.03
1:D:354:LEU:CB	1:E:275:ASP:O[2_757]	2.17	0.03
1:D:361:LEU:CB	1:E:270:ALA:CB[2_757]	2.17	0.03
1:D:370:GLN:CG	1:E:227:ASP:O[2_757]	2.17	0.03
1:D:374:ILE:O	1:E:237:TYR:CD1[2_757]	2.17	0.03
1:D:376:THR:CG2	1:E:241:PHE:N[2_757]	2.17	0.03
1:D:401:VAL:O	1:E:197:SER:C[2_757]	2.17	0.03
1:D:402:GLU:CA	1:E:197:SER:CB[2_757]	2.17	0.03
1:E:51:ASP:CB	1:E:178:SER:O[2_657]	2.17	0.03
1:E:54:SER:O	1:F:157:TYR:CB[2_657]	2.17	0.03
1:E:56:LYS:N	1:F:157:TYR:OH[2_657]	2.17	0.03
1:E:57:ILE:O	1:F:161:ASP:N[2_657]	2.17	0.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:84:VAL:O	1:F:224:ARG:C[2_657]	2.17	0.03
1:E:85:LYS:CD	1:F:211:LEU:CD1[2_657]	2.17	0.03
1:E:88:ASN:CB	1:F:191:ILE:CB[2_657]	2.17	0.03
1:E:89:LEU:CD2	1:F:188:ASP:OD2[2_657]	2.17	0.03
1:A:2:PHE:C	1:E:155:LEU:C[2_657]	2.18	0.02
1:A:4:LYS:CB	1:E:154:GLU:OE2[2_657]	2.18	0.02
1:A:4:LYS:CG	1:E:153:LEU:O[2_657]	2.18	0.02
1:A:10:PRO:CG	1:A:166:GLN:OE1[2_757]	2.18	0.02
1:A:12:VAL:O	1:A:167:PRO:C[2_757]	2.18	0.02
1:A:13:GLU:O	1:A:168:GLN:O[2_757]	2.18	0.02
1:A:14:LEU:C	1:A:156:VAL:CG2[2_757]	2.18	0.02
1:A:19:MET:N	1:B:159:PRO:C[2_757]	2.18	0.02
1:A:21:ARG:NE	1:A:152:SER:CB[2_757]	2.18	0.02
1:A:29:LYS:N	1:E:176:LYS:CD[2_657]	2.18	0.02
1:A:36:LEU:N	1:E:174:ASP:CG[2_657]	2.18	0.02
1:A:41:LYS:O	1:A:168:GLN:CB[2_757]	2.18	0.02
1:A:43:TYR:CD2	1:B:145:THR:CG2[2_757]	2.18	0.02
1:A:45:LEU:CD1	1:A:155:LEU:C[2_757]	2.18	0.02
1:A:47:VAL:N	1:A:153:LEU:CD1[2_757]	2.18	0.02
1:A:50:ARG:NH2	1:B:155:LEU:CD1[2_757]	2.18	0.02
1:A:59:GLN:OE1	1:A:221:TYR:OH[2_757]	2.18	0.02
1:A:63:GLU:CB	1:B:147:ILE:CB[2_757]	2.18	0.02
1:A:65:ILE:CD1	1:A:157:TYR:CB[2_757]	2.18	0.02
1:A:69:GLY:O	1:A:159:PRO:O[2_757]	2.18	0.02
1:A:86:GLU:CD	1:A:148:PRO:C[2_757]	2.18	0.02
1:A:91:LYS:CB	1:B:272:LYS:NZ[2_757]	2.18	0.02
1:A:92:MET:CB	1:B:221:TYR:CB[2_757]	2.18	0.02
1:A:93:TRP:CE2	1:B:221:TYR:CZ[2_757]	2.18	0.02
1:A:100:ILE:CG2	1:B:153:LEU:O[2_757]	2.18	0.02
1:A:103:ILE:O	1:B:175:TYR:CA[2_757]	2.18	0.02
1:A:112:PRO:O	1:C:37:ASP:CG[2_858]	2.18	0.02
1:A:117:ARG:CB	1:F:44:ASP:N[2_657]	2.18	0.02
1:A:123:PRO:CB	1:C:13:GLU:CA[2_858]	2.18	0.02
1:A:124:ARG:N	1:C:71:GLY:CA[2_858]	2.18	0.02
1:A:130:ILE:N	1:C:351:THR:OG1[2_858]	2.18	0.02
1:A:163:THR:OG1	1:A:348:LEU:C[2_757]	2.18	0.02
1:A:207:LEU:N	1:C:356:LYS:CD[2_858]	2.18	0.02
1:A:216:THR:N	1:E:4:LYS:C[2_757]	2.18	0.02
1:A:262:LYS:C	1:C:305:PHE:CB[2_858]	2.18	0.02
1:A:264:LYS:C	1:C:341:GLY:C[2_858]	2.18	0.02
1:A:267:PHE:CE2	1:C:346:GLY:CA[2_858]	2.18	0.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:313:THR:CG2	1:B:157:TYR:CA[2_757]	2.18	0.02
1:A:318:TYR:CA	1:B:161:ASP:CA[2_757]	2.18	0.02
1:A:321:TYR:CG	1:B:160:SER:O[2_757]	2.18	0.02
1:A:327:THR:O	1:F:304:THR:CG2[2_657]	2.18	0.02
1:A:380:ALA:N	1:F:12:VAL:CG1[2_657]	2.18	0.02
1:A:381:LEU:C	1:F:40:LEU:C[2_657]	2.18	0.02
1:A:386:ASN:N	1:F:40:LEU:CD2[2_657]	2.18	0.02
1:A:391:TYR:CD1	1:F:71:GLY:N[2_657]	2.18	0.02
1:A:393:THR:CA	1:F:304:THR:CB[2_657]	2.18	0.02
1:A:399:ASP:OD2	1:F:105:GLY:N[2_657]	2.18	0.02
1:B:11:VAL:CB	1:E:370:GLN:O[2_757]	2.18	0.02
1:B:14:LEU:C	1:E:363:SER:CA[2_757]	2.18	0.02
1:B:47:VAL:N	1:E:343:LEU:CD2[2_757]	2.18	0.02
1:B:56:LYS:CA	1:E:337:ALA:CA[2_757]	2.18	0.02
1:B:62:ALA:CB	1:E:401:VAL:CG2[2_757]	2.18	0.02
1:B:63:GLU:O	5:E:1507:HOH:O[2_757]	2.18	0.02
1:B:66:LYS:CB	1:E:397:PHE:CG[2_757]	2.18	0.02
1:B:68:TYR:C	1:E:374:ILE:CA[2_757]	2.18	0.02
1:B:68:TYR:O	1:E:374:ILE:N[2_757]	2.18	0.02
1:B:68:TYR:CA	1:E:373:GLY:CA[2_757]	2.18	0.02
1:B:70:VAL:C	1:E:372:ASP:CB[2_757]	2.18	0.02
1:B:77:ILE:CB	1:E:356:LYS:CA[2_757]	2.18	0.02
1:B:86:GLU:N	1:E:350:ASN:N[2_757]	2.18	0.02
1:B:86:GLU:N	1:E:350:ASN:CG[2_757]	2.18	0.02
1:B:90:HIS:NE2	1:E:70:VAL:C[2_757]	2.18	0.02
1:B:94:LYS:N	1:E:36:LEU:CD1[2_757]	2.18	0.02
1:B:99:THR:CA	1:E:31:LEU:CG[2_757]	2.18	0.02
1:B:104:LEU:CB	1:E:400:ALA:C[2_757]	2.18	0.02
1:B:118:ILE:C	1:C:101:ARG:N[2_858]	2.18	0.02
1:B:119:PRO:CB	1:C:100:ILE:C[2_858]	2.18	0.02
1:B:120:ARG:CD	1:C:103:ILE:CD1[2_858]	2.18	0.02
1:B:122:VAL:CB	1:C:67:LYS:N[2_858]	2.18	0.02
1:B:261:ILE:N	1:C:67:LYS:NZ[2_858]	2.18	0.02
1:B:277:ASP:OD1	1:E:2:PHE:N[2_757]	2.18	0.02
1:B:290:LEU:CA	1:C:301:ASP:CA[2_858]	2.18	0.02
1:B:317:HIS:N	1:C:200:LYS:N[2_858]	2.18	0.02
1:B:318:TYR:C	1:C:203:ILE:CG1[2_858]	2.18	0.02
1:B:320:LYS:NZ	1:C:201:LEU:CG[2_858]	2.18	0.02
1:B:325:GLU:OE2	1:C:207:LEU:C[2_858]	2.18	0.02
1:B:332:ILE:CA	1:C:189:GLU:CB[2_858]	2.18	0.02
1:B:357:PHE:O	1:D:148:PRO:C[2_858]	2.18	0.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:361:LEU:CD1	1:D:178:SER:N[2_858]	2.18	0.02
1:B:367:ASN:CA	1:C:185:TYR:CB[2_858]	2.18	0.02
1:B:367:ASN:CG	1:C:185:TYR:CG[2_858]	2.18	0.02
1:B:391:TYR:N	1:C:276:GLY:CA[2_858]	2.18	0.02
1:B:398:LEU:CG	1:C:228:ILE:CD1[2_858]	2.18	0.02
1:B:403:LYS:NZ	1:C:218:LEU:CD1[2_858]	2.18	0.02
1:B:404:ARG:CB	1:D:181:ALA:C[2_858]	2.18	0.02
1:B:405:LEU:CD2	1:D:147:ILE:CB[2_858]	2.18	0.02
1:B:405:LEU:CD2	1:D:146:LEU:O[2_858]	2.18	0.02
1:B:408:GLU:CB	1:D:147:ILE:CD1[2_858]	2.18	0.02
1:B:408:GLU:CD	1:D:153:LEU:CG[2_858]	2.18	0.02
1:B:410:LYS:N	1:C:168:GLN:OE1[2_858]	2.18	0.02
1:C:157:TYR:CB	5:B:1205:HOH:O[2_858]	2.18	0.02
1:C:316:ARG:CA	1:C:323:LYS:CA[2_958]	2.18	0.02
1:C:316:ARG:CA	1:C:322:GLN:N[2_958]	2.18	0.02
1:C:316:ARG:C	1:C:322:GLN:N[2_958]	2.18	0.02
1:C:317:HIS:NE2	1:C:324:GLY:CA[2_958]	2.18	0.02
1:C:388:ARG:N	1:C:396:GLU:OE2[2_958]	2.18	0.02
1:D:3:SER:C	1:E:101:ARG:CZ[2_757]	2.18	0.02
1:D:4:LYS:CA	1:E:308:GLU:CD[2_757]	2.18	0.02
1:D:11:VAL:CG1	1:E:283:VAL:CG1[2_757]	2.18	0.02
1:D:26:LYS:CB	1:E:204:ASP:C[2_757]	2.18	0.02
1:D:31:LEU:CD1	1:E:198:SER:O[2_757]	2.18	0.02
1:D:32:ILE:CG2	1:E:110:ARG:C[2_757]	2.18	0.02
1:D:34:PRO:CB	1:E:296:ILE:CG2[2_757]	2.18	0.02
1:D:39:ASP:CA	1:E:292:LEU:C[2_757]	2.18	0.02
1:D:40:LEU:CA	1:E:112:PRO:C[2_757]	2.18	0.02
1:D:40:LEU:O	1:E:113:ILE:O[2_757]	2.18	0.02
1:D:43:TYR:CB	1:E:126:GLU:O[2_757]	2.18	0.02
1:D:65:ILE:CG1	1:E:125:TRP:C[2_757]	2.18	0.02
1:D:66:LYS:CB	1:E:123:PRO:CB[2_757]	2.18	0.02
1:D:72:ILE:O	1:E:265:GLY:CA[2_757]	2.18	0.02
1:D:73:LYS:O	1:E:266:GLY:O[2_757]	2.18	0.02
1:D:109:PHE:CB	3:F:1601:NDP:C3B[2_757]	2.18	0.02
1:D:113:ILE:CD1	1:E:248:TYR:O[2_757]	2.18	0.02
1:D:118:ILE:CB	1:E:234:GLU:CG[2_757]	2.18	0.02
1:D:136:HIS:NE2	1:F:385:ASN:N[2_757]	2.18	0.02
1:D:136:HIS:CG	1:F:385:ASN:CB[2_757]	2.18	0.02
1:D:137:GLY:N	1:F:385:ASN:O[2_757]	2.18	0.02
1:D:191:ILE:CA	1:F:376:THR:CA[2_757]	2.18	0.02
1:D:191:ILE:CA	1:F:376:THR:N[2_757]	2.18	0.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:191:ILE:N	1:F:375:MET:C[2_757]	2.18	0.02
1:D:194:PHE:CZ	5:F:1652:HOH:O[2_757]	2.18	0.02
1:D:196:HIS:O	3:F:1601:NDP:C6A[2_757]	2.18	0.02
1:D:210:PHE:CA	1:F:321:TYR:CG[2_757]	2.18	0.02
1:D:210:PHE:CB	1:F:321:TYR:C[2_757]	2.18	0.02
1:D:229:PHE:CA	1:F:395:GLU:N[2_757]	2.18	0.02
1:D:238:LYS:O	1:F:24:TRP:CA[2_757]	2.18	0.02
1:D:245:GLY:N	1:F:16:GLY:C[2_757]	2.18	0.02
1:D:251:ARG:NH1	1:F:322:GLN:O[2_757]	2.18	0.02
1:D:269:MET:N	1:F:317:HIS:N[2_757]	2.18	0.02
1:D:297:LEU:O	1:E:262:LYS:CA[2_757]	2.18	0.02
1:D:300:PRO:N	1:F:288:GLY:C[2_757]	2.18	0.02
1:D:301:ASP:CA	1:F:287:PHE:C[2_757]	2.18	0.02
1:D:305:PHE:CB	1:E:258:ALA:O[2_757]	2.18	0.02
1:D:327:THR:C	1:E:243:GLN:CD[2_757]	2.18	0.02
1:D:333:ALA:CB	1:E:247:HIS:C[2_757]	2.18	0.02
1:D:338:TRP:CD1	1:E:267:PHE:O[2_757]	2.18	0.02
1:D:340:ARG:NH1	1:E:251:ARG:CD[2_757]	2.18	0.02
1:D:344:LYS:N	1:E:257:VAL:CG1[2_757]	2.18	0.02
1:D:347:GLU:C	1:F:279:GLN:CD[2_757]	2.18	0.02
1:D:359:ASN:CB	1:E:272:LYS:CG[2_757]	2.18	0.02
1:D:367:ASN:N	1:E:229:PHE:C[2_757]	2.18	0.02
1:D:368:THR:OG1	1:E:196:HIS:CA[2_757]	2.18	0.02
1:D:370:GLN:CB	1:E:231:GLU:CG[2_757]	2.18	0.02
1:D:374:ILE:CG1	1:E:236:GLN:OE1[2_757]	2.18	0.02
1:D:398:LEU:CA	1:E:200:LYS:N[2_757]	2.18	0.02
1:D:406:GLN:OE1	1:E:300:PRO:CA[2_757]	2.18	0.02
1:D:406:GLN:CB	1:E:300:PRO:CD[2_757]	2.18	0.02
1:D:411:SER:O	1:E:137:GLY:CA[2_757]	2.18	0.02
1:E:245:GLY:CA	3:D:1401:NDP:C6A[2_757]	2.18	0.02
1:E:57:ILE:CA	1:F:159:PRO:CB[2_657]	2.18	0.02
1:E:59:GLN:C	1:F:162:PRO:N[2_657]	2.18	0.02
1:E:61:ALA:N	1:F:162:PRO:CD[2_657]	2.18	0.02
1:E:84:VAL:N	1:F:224:ARG:CD[2_657]	2.18	0.02
1:E:93:TRP:CA	1:E:146:LEU:CB[2_657]	2.18	0.02
1:A:11:VAL:C	1:A:167:PRO:C[2_757]	2.19	0.01
1:A:12:VAL:N	1:A:167:PRO:CB[2_757]	2.19	0.01
1:A:14:LEU:CA	1:A:156:VAL:CA[2_757]	2.19	0.01
1:A:17:ASP:CB	1:B:157:TYR:CA[2_757]	2.19	0.01
1:A:17:ASP:O	1:B:158:LYS:C[2_757]	2.19	0.01
1:A:18:GLU:N	1:B:158:LYS:N[2_757]	2.19	0.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:20:THR:CB	1:B:158:LYS:CD[2_757]	2.19	0.01
1:A:34:PRO:CG	1:E:173:TYR:CD2[2_657]	2.19	0.01
1:A:46:SER:O	1:A:172:VAL:CB[2_757]	2.19	0.01
1:A:54:SER:OG	1:B:139:GLN:CD[2_757]	2.19	0.01
1:A:56:LYS:CB	1:B:182:MET:CE[2_757]	2.19	0.01
1:A:59:GLN:CA	1:B:181:ALA:N[2_757]	2.19	0.01
1:A:60:ASP:O	1:B:146:LEU:O[2_757]	2.19	0.01
1:A:63:GLU:C	1:B:147:ILE:CG1[2_757]	2.19	0.01
1:A:65:ILE:C	1:A:157:TYR:CE1[2_757]	2.19	0.01
1:A:67:LYS:CA	1:B:148:PRO:O[2_757]	2.19	0.01
1:A:75:ALA:CB	1:B:168:GLN:O[2_757]	2.19	0.01
1:A:76:THR:OG1	1:B:155:LEU:CA[2_757]	2.19	0.01
1:A:88:ASN:CA	1:B:187:THR:N[2_757]	2.19	0.01
1:A:92:MET:C	1:B:221:TYR:CA[2_757]	2.19	0.01
1:A:92:MET:CG	1:B:221:TYR:CA[2_757]	2.19	0.01
1:A:99:THR:C	1:B:172:VAL:CG1[2_757]	2.19	0.01
1:A:103:ILE:N	1:B:173:TYR:CZ[2_757]	2.19	0.01
1:A:113:ILE:N	1:C:37:ASP:OD2[2_858]	2.19	0.01
1:A:123:PRO:N	1:C:12:VAL:O[2_858]	2.19	0.01
1:A:124:ARG:NE	1:C:306:GLU:C[2_858]	2.19	0.01
1:A:124:ARG:CG	1:C:71:GLY:C[2_858]	2.19	0.01
1:A:125:TRP:CD1	1:C:345:ARG:CD[2_858]	2.19	0.01
1:A:125:TRP:NE1	1:C:345:ARG:CZ[2_858]	2.19	0.01
1:A:128:PRO:CB	1:C:5:ILE:O[2_858]	2.19	0.01
1:A:129:ILE:CG1	1:C:345:ARG:CG[2_858]	2.19	0.01
1:A:261:ILE:CD1	1:C:69:GLY:N[2_858]	2.19	0.01
1:A:262:LYS:CD	1:C:305:PHE:CE1[2_858]	2.19	0.01
1:A:264:LYS:NZ	1:C:338:TRP:N[2_858]	2.19	0.01
1:A:269:MET:CA	1:C:349:ASP:C[2_858]	2.19	0.01
1:A:313:THR:CG2	1:B:157:TYR:CB[2_757]	2.19	0.01
1:A:315:THR:CA	1:B:165:ALA:CA[2_757]	2.19	0.01
1:A:319:ARG:O	1:B:161:ASP:CB[2_757]	2.19	0.01
1:A:327:THR:CA	1:F:304:THR:OG1[2_657]	2.19	0.01
1:A:328:SER:CB	1:F:69:GLY:CA[2_657]	2.19	0.01
1:A:330:ASN:CG	1:F:63:GLU:CB[2_657]	2.19	0.01
1:A:365:THR:CG2	1:F:59:GLN:CG[2_657]	2.19	0.01
1:A:372:ASP:OD2	1:F:96:PRO:C[2_657]	2.19	0.01
1:A:376:THR:O	1:F:65:ILE:N[2_657]	2.19	0.01
1:A:376:THR:O	1:F:64:ALA:CB[2_657]	2.19	0.01
1:A:381:LEU:CB	1:F:41:LYS:CG[2_657]	2.19	0.01
1:A:383:CYS:N	1:F:42:TYR:CA[2_657]	2.19	0.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:402:GLU:OE1	1:F:136:HIS:NE2[2_657]	2.19	0.01
1:B:168:GLN:CA	3:A:1101:NDP:O4D[2_757]	2.19	0.01
1:F:67:LYS:CB	3:A:1101:NDP:C2A[2_657]	2.19	0.01
1:B:164:THR:CA	5:A:1107:HOH:O[2_757]	2.19	0.01
1:B:5:ILE:CD1	1:C:164:THR:C[2_858]	2.19	0.01
1:B:12:VAL:C	1:E:367:ASN:OD1[2_757]	2.19	0.01
1:B:22:ILE:C	1:C:231:GLU:O[2_858]	2.19	0.01
1:B:56:LYS:C	1:E:337:ALA:N[2_757]	2.19	0.01
1:B:57:ILE:CB	1:E:336:PHE:CB[2_757]	2.19	0.01
1:B:64:ALA:C	1:E:369:VAL:CG2[2_757]	2.19	0.01
1:B:67:LYS:N	1:E:375:MET:N[2_757]	2.19	0.01
1:B:67:LYS:O	1:E:374:ILE:C[2_757]	2.19	0.01
1:B:67:LYS:CG	1:E:375:MET:N[2_757]	2.19	0.01
1:B:72:ILE:C	1:E:367:ASN:ND2[2_757]	2.19	0.01
1:B:77:ILE:CA	1:E:357:PHE:N[2_757]	2.19	0.01
1:B:81:GLU:CG	1:E:8:LYS:CD[2_757]	2.19	0.01
1:B:84:VAL:O	1:E:347:GLU:C[2_757]	2.19	0.01
1:B:84:VAL:CA	1:E:346:GLY:O[2_757]	2.19	0.01
1:B:89:LEU:CG	1:E:344:LYS:C[2_757]	2.19	0.01
1:B:90:HIS:N	1:E:70:VAL:CG2[2_757]	2.19	0.01
1:B:117:ARG:N	1:C:102:ASN:CG[2_858]	2.19	0.01
1:B:119:PRO:CA	1:C:100:ILE:CG2[2_858]	2.19	0.01
1:B:120:ARG:NE	1:C:103:ILE:CG2[2_858]	2.19	0.01
1:B:260:MET:C	1:C:67:LYS:NZ[2_858]	2.19	0.01
1:B:285:GLN:NE2	1:C:304:THR:C[2_858]	2.19	0.01
1:B:313:THR:O	1:C:237:TYR:OH[2_858]	2.19	0.01
1:B:316:ARG:C	1:C:200:LYS:CB[2_858]	2.19	0.01
1:B:318:TYR:CE1	1:C:237:TYR:C[2_858]	2.19	0.01
1:B:321:TYR:CE1	1:C:233:TYR:CD2[2_858]	2.19	0.01
1:B:322:GLN:C	1:C:241:PHE:O[2_858]	2.19	0.01
1:B:323:LYS:CA	1:C:246:ILE:C[2_858]	2.19	0.01
1:B:327:THR:CA	1:C:209:LEU:CD1[2_858]	2.19	0.01
1:B:331:SER:N	1:C:191:ILE:C[2_858]	2.19	0.01
1:B:352:PRO:N	1:C:163:THR:CB[2_858]	2.19	0.01
1:B:358:ALA:O	1:D:149:GLY:CA[2_858]	2.19	0.01
1:B:360:ILE:O	1:D:175:TYR:CD2[2_858]	2.19	0.01
1:B:361:LEU:O	1:D:178:SER:C[2_858]	2.19	0.01
1:B:361:LEU:CA	1:D:178:SER:CA[2_858]	2.19	0.01
1:B:361:LEU:N	1:D:147:ILE:CG2[2_858]	2.19	0.01
1:B:363:SER:CB	1:D:175:TYR:N[2_858]	2.19	0.01
1:B:367:ASN:C	1:C:185:TYR:N[2_858]	2.19	0.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:B:369:VAL:CB	1:C:136:HIS:C[2_858]	2.19	0.01
1:B:375:MET:CB	1:C:134:HIS:O[2_858]	2.19	0.01
1:B:377:LYS:CG	1:C:108:VAL:O[2_858]	2.19	0.01
1:B:381:LEU:CD1	1:C:109:PHE:N[2_858]	2.19	0.01
1:B:386:ASN:CA	1:C:295:SER:CB[2_858]	2.19	0.01
1:B:392:VAL:CG1	1:C:272:LYS:C[2_858]	2.19	0.01
1:B:394:THR:CB	1:C:195:ALA:CB[2_858]	2.19	0.01
1:B:394:THR:CB	1:C:229:PHE:CE2[2_858]	2.19	0.01
1:B:399:ASP:CB	1:C:225:PHE:N[2_858]	2.19	0.01
1:B:402:GLU:C	1:D:146:LEU:CD1[2_858]	2.19	0.01
1:B:403:LYS:N	1:C:221:TYR:N[2_858]	2.19	0.01
1:B:403:LYS:CA	1:C:221:TYR:CA[2_858]	2.19	0.01
1:B:405:LEU:CD1	1:D:147:ILE:N[2_858]	2.19	0.01
1:C:177:GLY:CA	5:F:1624:HOH:O[2_757]	2.19	0.01
1:C:314:VAL:O	1:C:323:LYS:CE[2_958]	2.19	0.01
1:C:316:ARG:CB	1:C:321:TYR:O[2_958]	2.19	0.01
1:C:388:ARG:NH2	1:C:391:TYR:CG[2_958]	2.19	0.01
1:D:2:PHE:CB	1:E:306:GLU:OE2[2_757]	2.19	0.01
1:D:3:SER:N	1:E:306:GLU:OE1[2_757]	2.19	0.01
1:D:5:ILE:N	1:E:110:ARG:NH1[2_757]	2.19	0.01
1:D:7:VAL:CB	1:E:281:ASP:N[2_757]	2.19	0.01
1:D:12:VAL:N	1:E:287:PHE:CD2[2_757]	2.19	0.01
1:D:14:LEU:CD1	1:E:126:GLU:CD[2_757]	2.19	0.01
1:D:33:LEU:O	1:E:109:PHE:O[2_757]	2.19	0.01
1:D:35:TYR:CE2	1:E:107:THR:N[2_757]	2.19	0.01
1:D:42:TYR:O	1:E:114:VAL:CG1[2_757]	2.19	0.01
1:D:64:ALA:N	1:E:123:PRO:CA[2_757]	2.19	0.01
1:D:64:ALA:C	1:E:122:VAL:C[2_757]	2.19	0.01
1:D:68:TYR:CE1	1:E:121:LEU:N[2_757]	2.19	0.01
1:D:85:LYS:N	1:D:85:LYS:O[2_858]	2.19	0.01
1:D:108:VAL:C	3:F:1601:NDP:O1X[2_757]	2.19	0.01
1:D:131:ILE:N	1:F:316:ARG:CB[2_757]	2.19	0.01
1:D:185:TYR:CZ	1:F:387:GLU:OE1[2_757]	2.19	0.01
1:D:188:ASP:OD1	1:F:374:ILE:CG1[2_757]	2.19	0.01
1:D:197:SER:C	3:F:1601:NDP:N6A[2_757]	2.19	0.01
1:D:200:LYS:CE	1:F:290:LEU:O[2_757]	2.19	0.01
1:D:202:ALA:O	1:F:313:THR:C[2_757]	2.19	0.01
1:D:204:ASP:O	3:F:1601:NDP:C3N[2_757]	2.19	0.01
1:D:205:LYS:CA	3:F:1601:NDP:C3D[2_757]	2.19	0.01
1:D:210:PHE:CE2	1:F:321:TYR:CE2[2_757]	2.19	0.01
1:D:224:ARG:CA	1:F:396:GLU:CD[2_757]	2.19	0.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:D:228:ILE:C	1:F:398:LEU:N[2_757]	2.19	0.01
1:D:228:ILE:CD1	1:F:392:VAL:CG1[2_757]	2.19	0.01
1:D:228:ILE:CG2	1:F:397:PHE:CD1[2_757]	2.19	0.01
1:D:230:GLN:N	1:F:395:GLU:O[2_757]	2.19	0.01
1:D:239:SER:O	1:F:24:TRP:CZ2[2_757]	2.19	0.01
1:D:241:PHE:CD1	1:F:20:THR:CB[2_757]	2.19	0.01
1:D:242:GLU:C	1:F:15:ASP:OD2[2_757]	2.19	0.01
1:D:243:GLN:N	1:F:15:ASP:CG[2_757]	2.19	0.01
1:D:244:LEU:CB	1:F:16:GLY:C[2_757]	2.19	0.01
1:D:244:LEU:O	1:F:46:SER:N[2_757]	2.19	0.01
1:D:247:HIS:NE2	1:F:21:ARG:NH1[2_757]	2.19	0.01
1:D:268:ILE:CB	1:F:318:TYR:N[2_757]	2.19	0.01
1:D:300:PRO:CB	1:F:379:LEU:CD2[2_757]	2.19	0.01
1:D:300:PRO:O	1:F:289:SER:C[2_757]	2.19	0.01
1:D:305:PHE:CD2	1:E:261:ILE:CA[2_757]	2.19	0.01
1:D:328:SER:O	1:E:239:SER:O[2_757]	2.19	0.01
1:D:335:ILE:CB	1:E:209:LEU:CD2[2_757]	2.19	0.01
1:D:339:SER:CB	1:E:210:PHE:O[2_757]	2.19	0.01
1:D:343:LEU:CD1	1:E:253:ILE:CD1[2_757]	2.19	0.01
1:D:345:ARG:NE	1:E:282:ILE:CB[2_757]	2.19	0.01
1:D:354:LEU:CB	1:E:278:VAL:C[2_757]	2.19	0.01
1:D:354:LEU:CA	1:E:276:GLY:O[2_757]	2.19	0.01
1:D:356:LYS:O	1:E:273:ASN:N[2_757]	2.19	0.01
1:D:357:PHE:CE2	1:E:131:ILE:C[2_757]	2.19	0.01
1:D:360:ILE:CG1	1:E:134:HIS:CB[2_757]	2.19	0.01
1:D:360:ILE:O	1:E:194:PHE:CG[2_757]	2.19	0.01
1:D:361:LEU:CD1	1:E:269:MET:C[2_757]	2.19	0.01
1:D:367:ASN:N	1:E:228:ILE:O[2_757]	2.19	0.01
1:D:376:THR:N	1:E:237:TYR:O[2_757]	2.19	0.01
1:D:401:VAL:N	1:E:200:LYS:CG[2_757]	2.19	0.01
1:D:404:ARG:NH1	1:E:191:ILE:C[2_757]	2.19	0.01
1:D:404:ARG:CB	1:E:196:HIS:CB[2_757]	2.19	0.01
1:D:406:GLN:C	1:E:106:GLY:N[2_757]	2.19	0.01
1:D:408:GLU:C	1:E:134:HIS:CE1[2_757]	2.19	0.01
1:D:408:GLU:OE1	1:E:191:ILE:O[2_757]	2.19	0.01
1:D:411:SER:N	1:E:136:HIS:C[2_757]	2.19	0.01
1:E:48:GLU:CA	1:E:177:GLY:C[2_657]	2.19	0.01
1:E:49:SER:O	1:E:149:GLY:O[2_657]	2.19	0.01
1:E:54:SER:C	1:F:157:TYR:CD2[2_657]	2.19	0.01
1:E:55:ASP:O	1:F:157:TYR:CE2[2_657]	2.19	0.01
1:E:56:LYS:CB	1:F:159:PRO:CA[2_657]	2.19	0.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:E:61:ALA:CB	1:F:161:ASP:OD1[2_657]	2.19	0.01
1:E:82:ALA:N	1:F:227:ASP:CA[2_657]	2.19	0.01
1:E:84:VAL:CG2	1:F:224:ARG:CB[2_657]	2.19	0.01
1:E:85:LYS:CD	1:F:225:PHE:O[2_657]	2.19	0.01
1:E:91:LYS:C	1:E:146:LEU:CA[2_657]	2.19	0.01
1:E:93:TRP:N	1:E:146:LEU:CD2[2_657]	2.19	0.01

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	408/427 (96%)	365 (90%)	35 (9%)	8 (2%)	6	16
1	B	408/427 (96%)	368 (90%)	32 (8%)	8 (2%)	6	16
1	C	408/427 (96%)	364 (89%)	35 (9%)	9 (2%)	5	14
1	D	408/427 (96%)	359 (88%)	43 (10%)	6 (2%)	8	22
1	E	408/427 (96%)	364 (89%)	39 (10%)	5 (1%)	10	27
1	F	408/427 (96%)	361 (88%)	41 (10%)	6 (2%)	8	22
All	All	2448/2562 (96%)	2181 (89%)	225 (9%)	42 (2%)	7	19

All (42) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	8	LYS
1	A	236	GLN
1	B	8	LYS
1	D	8	LYS
1	E	8	LYS
1	E	141	LYS
1	A	18	GLU
1	B	81	GLU
1	B	141	LYS

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Mol	Chain	Res	Type
1	B	324	GLY
1	C	8	LYS
1	C	136	HIS
1	A	141	LYS
1	A	162	PRO
1	A	249	GLU
1	C	139	GLN
1	C	167	PRO
1	F	141	LYS
1	A	408	GLU
1	B	162	PRO
1	C	162	PRO
1	C	215	ASN
1	D	18	GLU
1	D	162	PRO
1	D	236	GLN
1	F	8	LYS
1	F	408	GLU
1	A	407	LYS
1	C	410	LYS
1	D	167	PRO
1	E	138	ASP
1	E	296	ILE
1	F	162	PRO
1	B	150	PRO
1	B	284	ALA
1	C	352	PRO
1	D	352	PRO
1	F	18	GLU
1	E	162	PRO
1	F	167	PRO
1	B	148	PRO
1	C	351	THR

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	354/367 (96%)	335 (95%)	19 (5%)	20	45
1	B	354/367 (96%)	333 (94%)	21 (6%)	18	42
1	C	354/367 (96%)	332 (94%)	22 (6%)	16	39
1	D	354/367 (96%)	332 (94%)	22 (6%)	16	39
1	E	354/367 (96%)	334 (94%)	20 (6%)	19	44
1	F	354/367 (96%)	331 (94%)	23 (6%)	15	37
All	All	2124/2202 (96%)	1997 (94%)	127 (6%)	17	41

All (127) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	2	PHE
1	A	14	LEU
1	A	47	VAL
1	A	116	PRO
1	A	139	GLN
1	A	155	LEU
1	A	201	LEU
1	A	209	LEU
1	A	211	LEU
1	A	213	THR
1	A	218	LEU
1	A	247	HIS
1	A	250	HIS
1	A	251	ARG
1	A	314	VAL
1	A	331	SER
1	A	354	LEU
1	A	361	LEU
1	A	405	LEU
1	B	2	PHE
1	B	14	LEU
1	B	47	VAL
1	B	114	VAL
1	B	153	LEU
1	B	182	MET
1	B	209	LEU
1	B	211	LEU
1	B	213	THR
1	B	218	LEU
1	B	251	ARG

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Mol	Chain	Res	Type
1	B	297	LEU
1	B	314	VAL
1	B	330	ASN
1	B	331	SER
1	B	354	LEU
1	B	361	LEU
1	B	371	GLN
1	B	372	ASP
1	B	376	THR
1	B	405	LEU
1	C	2	PHE
1	C	14	LEU
1	C	47	VAL
1	C	95	SER
1	C	114	VAL
1	C	120	ARG
1	C	141	LYS
1	C	152	SER
1	C	153	LEU
1	C	201	LEU
1	C	209	LEU
1	C	211	LEU
1	C	213	THR
1	C	218	LEU
1	C	251	ARG
1	C	331	SER
1	C	343	LEU
1	C	350	ASN
1	C	354	LEU
1	C	361	LEU
1	C	372	ASP
1	C	405	LEU
1	D	2	PHE
1	D	14	LEU
1	D	47	VAL
1	D	95	SER
1	D	120	ARG
1	D	152	SER
1	D	153	LEU
1	D	209	LEU
1	D	211	LEU
1	D	213	THR

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Mol	Chain	Res	Type
1	D	218	LEU
1	D	247	HIS
1	D	251	ARG
1	D	297	LEU
1	D	301	ASP
1	D	305	PHE
1	D	343	LEU
1	D	351	THR
1	D	354	LEU
1	D	361	LEU
1	D	376	THR
1	D	405	LEU
1	E	2	PHE
1	E	45	LEU
1	E	47	VAL
1	E	80	ASP
1	E	114	VAL
1	E	139	GLN
1	E	141	LYS
1	E	182	MET
1	E	201	LEU
1	E	209	LEU
1	E	211	LEU
1	E	213	THR
1	E	218	LEU
1	E	239	SER
1	E	314	VAL
1	E	331	SER
1	E	354	LEU
1	E	361	LEU
1	E	372	ASP
1	E	405	LEU
1	F	2	PHE
1	F	14	LEU
1	F	47	VAL
1	F	95	SER
1	F	120	ARG
1	F	150	PRO
1	F	155	LEU
1	F	161	ASP
1	F	209	LEU
1	F	211	LEU

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Mol	Chain	Res	Type
1	F	212	SER
1	F	213	THR
1	F	218	LEU
1	F	247	HIS
1	F	305	PHE
1	F	314	VAL
1	F	331	SER
1	F	354	LEU
1	F	361	LEU
1	F	372	ASP
1	F	376	THR
1	F	403	LYS
1	F	405	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (52) such sidechains are listed below:

Mol	Chain	Res	Type
1	A	59	GLN
1	A	90	HIS
1	A	97	ASN
1	A	102	ASN
1	A	322	GLN
1	A	330	ASN
1	A	359	ASN
1	A	386	ASN
1	B	90	HIS
1	B	102	ASN
1	B	215	ASN
1	B	322	GLN
1	B	330	ASN
1	B	370	GLN
1	B	386	ASN
1	C	59	GLN
1	C	90	HIS
1	C	102	ASN
1	C	259	GLN
1	C	322	GLN
1	C	330	ASN
1	C	359	ASN
1	C	386	ASN
1	D	90	HIS
1	D	134	HIS

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Mol	Chain	Res	Type
1	D	136	HIS
1	D	186	ASN
1	D	230	GLN
1	D	236	GLN
1	D	259	GLN
1	D	279	GLN
1	D	322	GLN
1	D	330	ASN
1	D	370	GLN
1	D	386	ASN
1	D	406	GLN
1	E	59	GLN
1	E	90	HIS
1	E	97	ASN
1	E	102	ASN
1	E	208	ASN
1	E	236	GLN
1	E	259	GLN
1	E	322	GLN
1	E	330	ASN
1	E	359	ASN
1	F	90	HIS
1	F	230	GLN
1	F	236	GLN
1	F	330	ASN
1	F	370	GLN
1	F	386	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry (i)

Of 18 ligands modelled in this entry, 6 are monoatomic - leaving 12 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. 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 $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\#\|Z\| > 2$	Counts	RMSZ	$\#\|Z\| > 2$
3	NDP	B	1201	-	51,52,52	1.31	6 (11%)	71,80,80	1.42	8 (11%)
3	NDP	A	1101	-	51,52,52	1.29	7 (13%)	71,80,80	1.48	10 (14%)
4	AKG	B	1202	-	9,9,9	1.28	1 (11%)	11,11,11	1.50	2 (18%)
4	AKG	F	1602	-	9,9,9	1.28	1 (11%)	11,11,11	1.52	3 (27%)
3	NDP	C	1301	-	51,52,52	1.31	7 (13%)	71,80,80	1.42	7 (9%)
3	NDP	E	1501	-	51,52,52	1.29	7 (13%)	71,80,80	1.44	9 (12%)
4	AKG	E	1502	-	9,9,9	1.25	0	11,11,11	1.62	2 (18%)
3	NDP	D	1401	-	51,52,52	1.29	7 (13%)	71,80,80	1.45	9 (12%)
3	NDP	F	1601	-	51,52,52	1.29	7 (13%)	71,80,80	1.47	9 (12%)
4	AKG	A	1102	-	9,9,9	1.29	1 (11%)	11,11,11	1.51	2 (18%)
4	AKG	C	1302	-	9,9,9	1.27	1 (11%)	11,11,11	1.48	3 (27%)
4	AKG	D	1402	-	9,9,9	1.27	1 (11%)	11,11,11	1.52	3 (27%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
3	NDP	B	1201	-	-	12/34/77/77	0/5/5/5
3	NDP	A	1101	-	-	13/34/77/77	0/5/5/5
4	AKG	B	1202	-	-	3/9/9/9	-
4	AKG	F	1602	-	-	3/9/9/9	-
3	NDP	C	1301	-	-	13/34/77/77	0/5/5/5
3	NDP	E	1501	-	-	11/34/77/77	0/5/5/5
4	AKG	E	1502	-	-	3/9/9/9	-
3	NDP	D	1401	-	-	13/34/77/77	0/5/5/5

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Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
3	NDP	F	1601	-	-	14/34/77/77	0/5/5/5
4	AKG	A	1102	-	-	3/9/9/9	-
4	AKG	C	1302	-	-	5/9/9/9	-
4	AKG	D	1402	-	-	4/9/9/9	-

All (46) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	B	1201	NDP	C4N-C5N	-3.71	1.39	1.49
3	C	1301	NDP	C4N-C5N	-3.64	1.39	1.49
3	D	1401	NDP	C4N-C5N	-3.62	1.39	1.49
3	A	1101	NDP	C4N-C5N	-3.61	1.39	1.49
3	E	1501	NDP	C4N-C5N	-3.61	1.39	1.49
3	F	1601	NDP	C4N-C5N	-3.58	1.39	1.49
3	C	1301	NDP	C5A-N7A	-3.25	1.33	1.39
3	D	1401	NDP	C5A-N7A	-3.18	1.33	1.39
3	E	1501	NDP	C5A-N7A	-3.13	1.33	1.39
3	F	1601	NDP	C5A-N7A	-3.11	1.33	1.39
3	B	1201	NDP	C5A-N7A	-3.10	1.33	1.39
3	C	1301	NDP	PN-O1N	3.08	1.61	1.50
3	A	1101	NDP	C5A-N7A	-3.08	1.33	1.39
3	E	1501	NDP	PN-O1N	3.07	1.61	1.50
3	F	1601	NDP	PN-O1N	3.07	1.61	1.50
3	B	1201	NDP	PN-O1N	3.06	1.61	1.50
3	A	1101	NDP	PN-O1N	3.02	1.61	1.50
3	D	1401	NDP	PN-O1N	3.01	1.61	1.50
3	C	1301	NDP	C8A-N9A	-2.39	1.33	1.37
3	B	1201	NDP	C8A-N9A	-2.35	1.33	1.37
3	F	1601	NDP	C8A-N9A	-2.34	1.33	1.37
3	D	1401	NDP	C8A-N9A	-2.33	1.33	1.37
3	E	1501	NDP	C8A-N9A	-2.28	1.33	1.37
3	A	1101	NDP	C8A-N9A	-2.25	1.33	1.37
3	B	1201	NDP	C7N-C3N	2.22	1.53	1.48
3	C	1301	NDP	C7N-C3N	2.21	1.53	1.48
3	D	1401	NDP	C7N-C3N	2.19	1.53	1.48
4	A	1102	AKG	C3-C2	2.18	1.53	1.51
3	F	1601	NDP	C7N-C3N	2.16	1.53	1.48
3	E	1501	NDP	C7N-C3N	2.15	1.53	1.48
4	B	1202	AKG	C3-C2	2.12	1.53	1.51
3	A	1101	NDP	C7N-C3N	2.12	1.53	1.48
4	D	1402	AKG	C3-C2	2.12	1.53	1.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	B	1201	NDP	C6N-C5N	2.11	1.39	1.33
3	D	1401	NDP	C6N-C5N	2.09	1.39	1.33
4	F	1602	AKG	C3-C2	2.09	1.53	1.51
3	E	1501	NDP	C6N-C5N	2.08	1.39	1.33
4	C	1302	AKG	C3-C2	2.07	1.53	1.51
3	C	1301	NDP	C6N-C5N	2.06	1.39	1.33
3	A	1101	NDP	C6N-C5N	2.05	1.39	1.33
3	D	1401	NDP	C4A-N9A	-2.05	1.33	1.37
3	F	1601	NDP	C6N-C5N	2.05	1.39	1.33
3	F	1601	NDP	C4A-N9A	-2.05	1.33	1.37
3	A	1101	NDP	PA-O3	2.04	1.61	1.59
3	E	1501	NDP	C4A-N9A	-2.02	1.33	1.37
3	C	1301	NDP	C4A-N9A	-2.02	1.33	1.37

All (67) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	A	1101	NDP	C5A-C4A-N3A	-5.67	118.91	126.72
3	C	1301	NDP	C5A-C4A-N3A	-5.65	118.94	126.72
3	B	1201	NDP	C5A-C4A-N3A	-5.46	119.20	126.72
3	D	1401	NDP	C5A-C4A-N3A	-5.44	119.23	126.72
3	F	1601	NDP	C5A-C4A-N3A	-5.39	119.29	126.72
3	E	1501	NDP	C5A-C4A-N3A	-5.31	119.40	126.72
3	E	1501	NDP	N3A-C2A-N1A	-4.63	121.58	128.58
3	B	1201	NDP	N3A-C2A-N1A	-4.46	121.84	128.58
3	D	1401	NDP	N3A-C2A-N1A	-4.44	121.86	128.58
3	C	1301	NDP	N3A-C2A-N1A	-4.42	121.89	128.58
3	A	1101	NDP	N3A-C2A-N1A	-4.34	122.02	128.58
3	F	1601	NDP	N3A-C2A-N1A	-4.32	122.05	128.58
3	C	1301	NDP	N3A-C4A-N9A	3.87	133.75	127.17
3	A	1101	NDP	N3A-C4A-N9A	3.85	133.72	127.17
3	D	1401	NDP	N3A-C4A-N9A	3.76	133.56	127.17
3	F	1601	NDP	N3A-C4A-N9A	3.74	133.54	127.17
3	B	1201	NDP	N3A-C4A-N9A	3.69	133.45	127.17
3	E	1501	NDP	N3A-C4A-N9A	3.68	133.42	127.17
3	A	1101	NDP	C2A-N3A-C4A	3.65	120.75	111.83
3	E	1501	NDP	C2A-N3A-C4A	3.63	120.69	111.83
3	C	1301	NDP	C2A-N3A-C4A	3.63	120.69	111.83
3	B	1201	NDP	C2A-N3A-C4A	3.58	120.57	111.83
3	D	1401	NDP	C2A-N3A-C4A	3.56	120.53	111.83
3	F	1601	NDP	C2A-N3A-C4A	3.48	120.34	111.83
4	E	1502	AKG	O1-C1-C2	-3.12	117.93	121.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
4	D	1402	AKG	O1-C1-C2	-3.04	118.03	121.81
3	F	1601	NDP	N9A-C8A-N7A	-2.95	109.75	113.94
4	C	1302	AKG	O1-C1-C2	-2.91	118.19	121.81
3	A	1101	NDP	C4A-C5A-N7A	-2.90	107.26	110.58
3	D	1401	NDP	N9A-C8A-N7A	-2.85	109.89	113.94
4	F	1602	AKG	O1-C1-C2	-2.82	118.30	121.81
3	F	1601	NDP	C4A-C5A-N7A	-2.82	107.36	110.58
3	A	1101	NDP	N9A-C8A-N7A	-2.80	109.97	113.94
3	E	1501	NDP	N9A-C8A-N7A	-2.78	109.98	113.94
3	F	1601	NDP	C5A-N7A-C8A	2.78	107.82	103.45
3	A	1101	NDP	C5A-N7A-C8A	2.76	107.79	103.45
4	A	1102	AKG	O1-C1-C2	-2.75	118.39	121.81
3	D	1401	NDP	C4A-C5A-N7A	-2.69	107.51	110.58
3	B	1201	NDP	C4A-C5A-N7A	-2.68	107.51	110.58
4	B	1202	AKG	C3-C2-C1	2.68	120.42	115.86
4	F	1602	AKG	C3-C2-C1	2.68	120.42	115.86
3	E	1501	NDP	C4A-C5A-N7A	-2.68	107.52	110.58
3	D	1401	NDP	C5A-N7A-C8A	2.67	107.64	103.45
3	B	1201	NDP	N9A-C8A-N7A	-2.66	110.16	113.94
4	B	1202	AKG	O1-C1-C2	-2.66	118.51	121.81
4	A	1102	AKG	C3-C2-C1	2.65	120.36	115.86
3	C	1301	NDP	C4A-C5A-N7A	-2.64	107.56	110.58
3	C	1301	NDP	N9A-C8A-N7A	-2.63	110.20	113.94
3	E	1501	NDP	C5A-N7A-C8A	2.63	107.59	103.45
4	E	1502	AKG	C3-C2-C1	2.61	120.30	115.86
3	B	1201	NDP	C5A-N7A-C8A	2.55	107.46	103.45
3	C	1301	NDP	C5A-N7A-C8A	2.55	107.45	103.45
3	B	1201	NDP	C2B-C1B-N9A	-2.48	109.68	113.75
3	A	1101	NDP	O2N-PN-O3	2.45	113.91	107.27
3	E	1501	NDP	O2N-PN-O3	2.21	113.25	107.27
3	D	1401	NDP	O2N-PN-O3	2.20	113.23	107.27
3	D	1401	NDP	C3N-C2N-N1N	-2.20	119.97	123.20
4	D	1402	AKG	C3-C2-C1	2.18	119.56	115.86
3	A	1101	NDP	C3N-C2N-N1N	-2.18	120.01	123.20
3	F	1601	NDP	C3N-C2N-N1N	-2.18	120.01	123.20
3	A	1101	NDP	C2B-C1B-N9A	-2.11	110.28	113.75
3	E	1501	NDP	C3N-C2N-N1N	-2.09	120.13	123.20
4	C	1302	AKG	C3-C2-C1	2.09	119.42	115.86
3	F	1601	NDP	C4A-N9A-C8A	2.08	107.92	105.74
4	D	1402	AKG	O3-C5-C4	-2.05	116.59	123.09
4	F	1602	AKG	O3-C5-C4	-2.04	116.62	123.09
4	C	1302	AKG	O3-C5-C4	-2.01	116.70	123.09

There are no chirality outliers.

All (97) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	A	1101	NDP	C5B-O5B-PA-O1A
3	A	1101	NDP	C5B-O5B-PA-O2A
3	A	1101	NDP	C5B-O5B-PA-O3
3	A	1101	NDP	C3B-C2B-O2B-P2B
3	A	1101	NDP	C5D-O5D-PN-O3
3	A	1101	NDP	C5D-O5D-PN-O1N
3	B	1201	NDP	C5B-O5B-PA-O1A
3	B	1201	NDP	C5B-O5B-PA-O2A
3	B	1201	NDP	C5B-O5B-PA-O3
3	B	1201	NDP	C3B-C2B-O2B-P2B
3	B	1201	NDP	C5D-O5D-PN-O3
3	B	1201	NDP	C5D-O5D-PN-O1N
3	C	1301	NDP	C5B-O5B-PA-O2A
3	C	1301	NDP	C5B-O5B-PA-O3
3	C	1301	NDP	C3B-C2B-O2B-P2B
3	D	1401	NDP	C5B-O5B-PA-O1A
3	D	1401	NDP	C5B-O5B-PA-O2A
3	D	1401	NDP	C5B-O5B-PA-O3
3	D	1401	NDP	C3B-C2B-O2B-P2B
3	D	1401	NDP	C5D-O5D-PN-O3
3	D	1401	NDP	C5D-O5D-PN-O1N
3	E	1501	NDP	C5B-O5B-PA-O2A
3	E	1501	NDP	C5B-O5B-PA-O3
3	E	1501	NDP	C3B-C2B-O2B-P2B
3	F	1601	NDP	C5B-O5B-PA-O1A
3	F	1601	NDP	C5B-O5B-PA-O2A
3	F	1601	NDP	C5B-O5B-PA-O3
3	F	1601	NDP	C3B-C2B-O2B-P2B
3	F	1601	NDP	C5D-O5D-PN-O3
3	F	1601	NDP	C5D-O5D-PN-O1N
4	A	1102	AKG	C1-C2-C3-C4
4	C	1302	AKG	O2-C1-C2-C3
4	C	1302	AKG	C1-C2-C3-C4
4	D	1402	AKG	O2-C1-C2-C3
4	D	1402	AKG	C1-C2-C3-C4
3	A	1101	NDP	C2D-C1D-N1N-C2N
3	E	1501	NDP	C2D-C1D-N1N-C2N
3	F	1601	NDP	PN-O3-PA-O1A
3	A	1101	NDP	C2D-C1D-N1N-C6N
3	E	1501	NDP	C2D-C1D-N1N-C6N

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Mol	Chain	Res	Type	Atoms
4	B	1202	AKG	C1-C2-C3-C4
4	E	1502	AKG	C1-C2-C3-C4
4	F	1602	AKG	C1-C2-C3-C4
3	B	1201	NDP	C2D-C1D-N1N-C2N
3	B	1201	NDP	C2D-C1D-N1N-C6N
3	C	1301	NDP	C2D-C1D-N1N-C2N
3	A	1101	NDP	C2B-O2B-P2B-O1X
3	D	1401	NDP	C2B-O2B-P2B-O1X
3	F	1601	NDP	C2D-C1D-N1N-C2N
3	A	1101	NDP	C5D-O5D-PN-O2N
3	B	1201	NDP	C5D-O5D-PN-O2N
3	C	1301	NDP	C5B-O5B-PA-O1A
3	C	1301	NDP	C5D-O5D-PN-O2N
3	D	1401	NDP	C5D-O5D-PN-O2N
3	E	1501	NDP	C5B-O5B-PA-O1A
3	E	1501	NDP	C5D-O5D-PN-O2N
3	F	1601	NDP	C5D-O5D-PN-O2N
3	D	1401	NDP	C2D-C1D-N1N-C2N
3	A	1101	NDP	O4D-C1D-N1N-C2N
3	E	1501	NDP	O4D-C1D-N1N-C2N
3	C	1301	NDP	C2D-C1D-N1N-C6N
3	B	1201	NDP	O4D-C1D-N1N-C2N
3	C	1301	NDP	O4D-C1D-N1N-C2N
3	D	1401	NDP	O4D-C1D-N1N-C2N
3	F	1601	NDP	O4D-C1D-N1N-C2N
3	A	1101	NDP	O4D-C1D-N1N-C6N
3	B	1201	NDP	O4D-C1D-N1N-C6N
3	E	1501	NDP	O4D-C1D-N1N-C6N
3	C	1301	NDP	C2B-O2B-P2B-O1X
3	F	1601	NDP	C2B-O2B-P2B-O1X
4	B	1202	AKG	C3-C4-C5-O4
4	C	1302	AKG	O5-C2-C3-C4
4	C	1302	AKG	C3-C4-C5-O4
4	D	1402	AKG	C3-C4-C5-O4
4	A	1102	AKG	C3-C4-C5-O4
4	B	1202	AKG	C3-C4-C5-O3
4	F	1602	AKG	C3-C4-C5-O3
4	E	1502	AKG	C3-C4-C5-O3
4	E	1502	AKG	C3-C4-C5-O4
4	F	1602	AKG	C3-C4-C5-O4
4	A	1102	AKG	C3-C4-C5-O3
4	C	1302	AKG	C3-C4-C5-O3

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Mol	Chain	Res	Type	Atoms
4	D	1402	AKG	C3-C4-C5-O3
3	D	1401	NDP	C2D-C1D-N1N-C6N
3	F	1601	NDP	C2D-C1D-N1N-C6N
3	C	1301	NDP	O4D-C1D-N1N-C6N
3	C	1301	NDP	PA-O3-PN-O2N
3	A	1101	NDP	C2B-O2B-P2B-O3X
3	B	1201	NDP	C2B-O2B-P2B-O2X
3	C	1301	NDP	C2B-O2B-P2B-O2X
3	F	1601	NDP	O4D-C1D-N1N-C6N
3	E	1501	NDP	C2B-O2B-P2B-O1X
3	D	1401	NDP	O4D-C1D-N1N-C6N
3	C	1301	NDP	PA-O3-PN-O1N
3	D	1401	NDP	PA-O3-PN-O2N
3	E	1501	NDP	PA-O3-PN-O2N
3	F	1601	NDP	PN-O3-PA-O2A

There are no ring outliers.

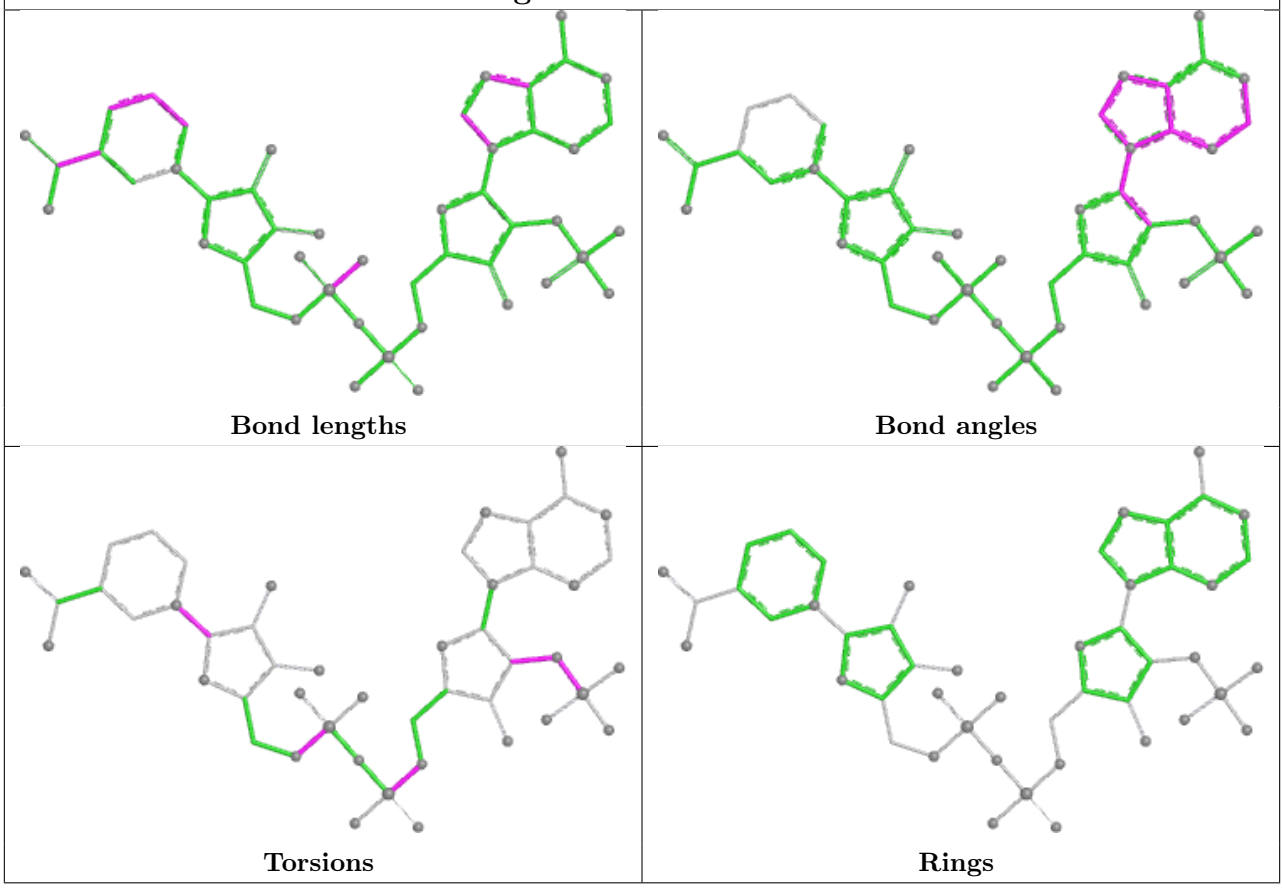
12 monomers are involved in 274 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
3	B	1201	NDP	13	10
3	A	1101	NDP	13	54
4	B	1202	AKG	6	5
4	F	1602	AKG	5	0
3	C	1301	NDP	11	4
3	E	1501	NDP	11	0
4	E	1502	AKG	6	1
3	D	1401	NDP	12	12
3	F	1601	NDP	10	109
4	A	1102	AKG	7	4
4	C	1302	AKG	6	4
4	D	1402	AKG	5	0

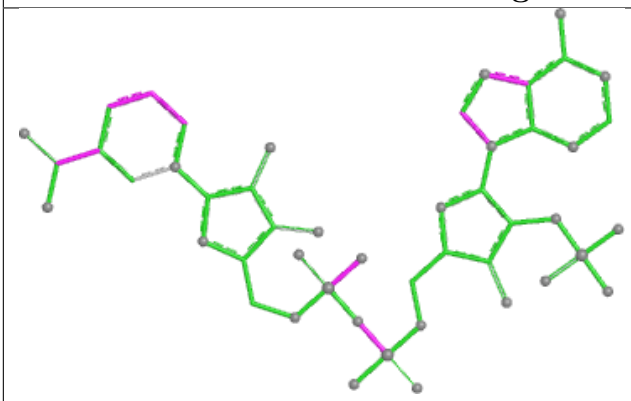
The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and

any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

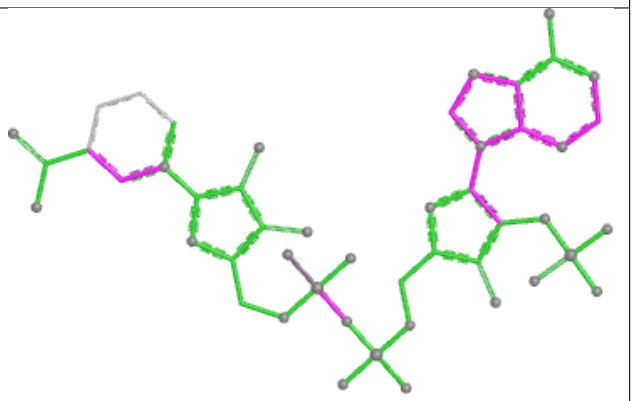
Ligand NDP B 1201



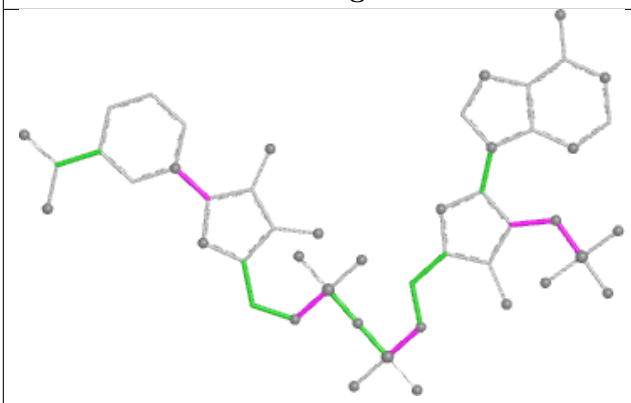
Ligand NDP A 1101



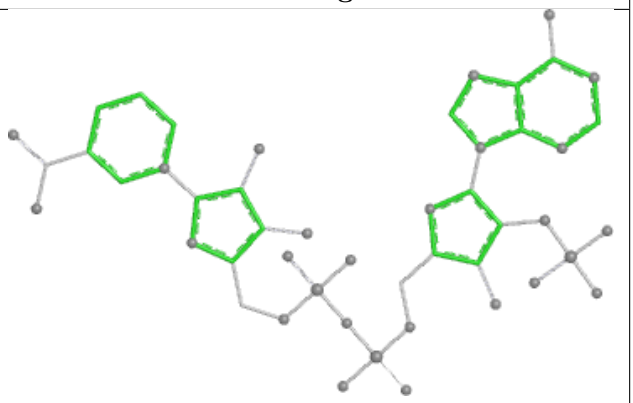
Bond lengths



Bond angles

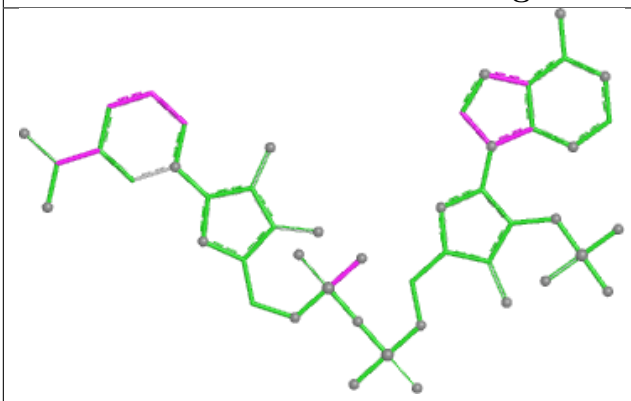


Torsions

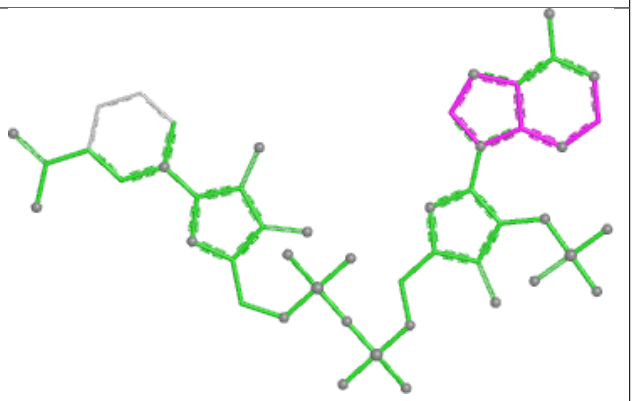


Rings

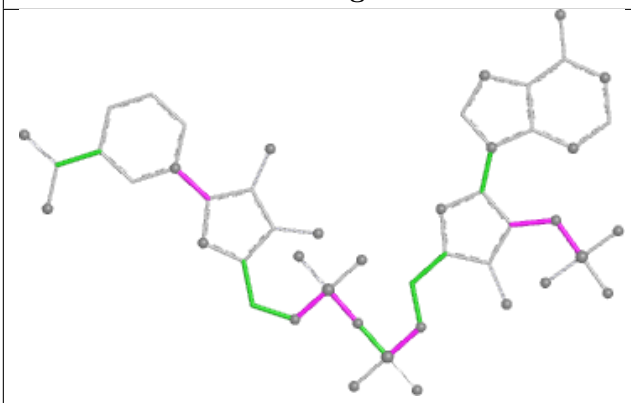
Ligand NDP C 1301



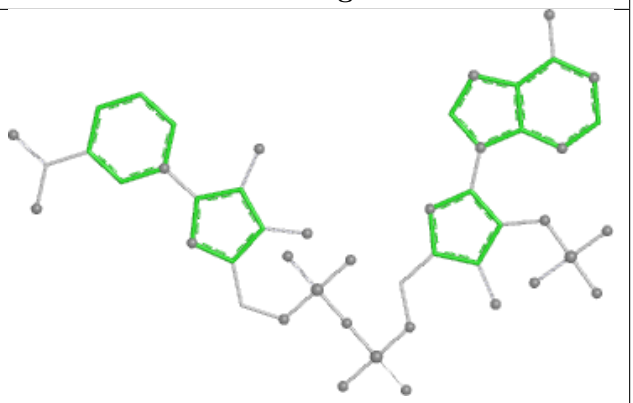
Bond lengths



Bond angles

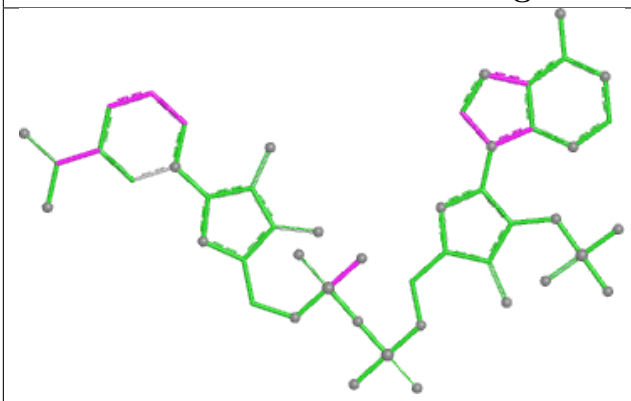


Torsions

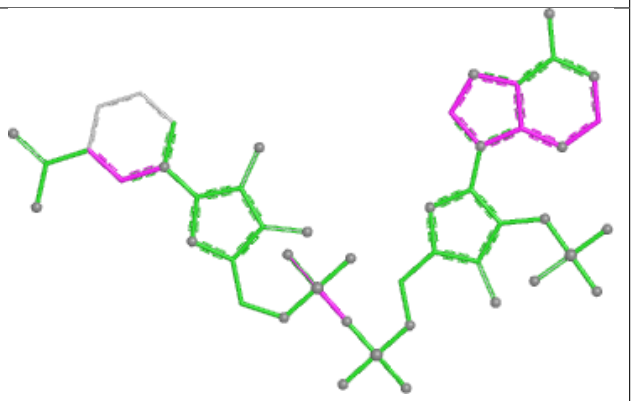


Rings

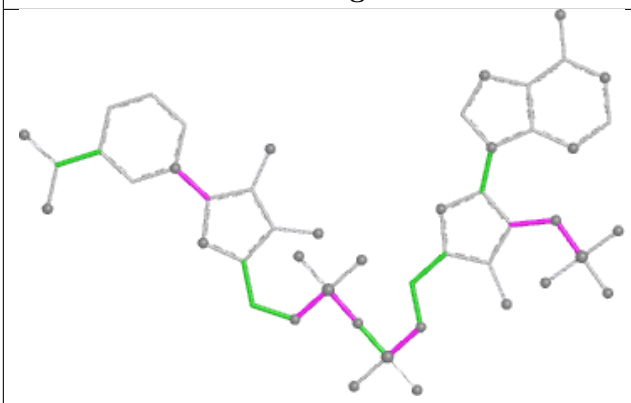
Ligand NDP E 1501



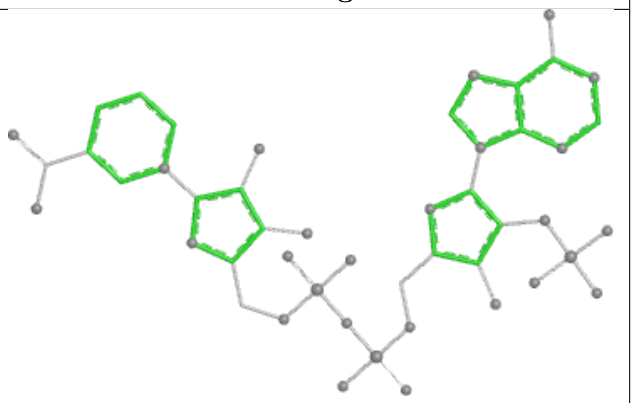
Bond lengths



Bond angles

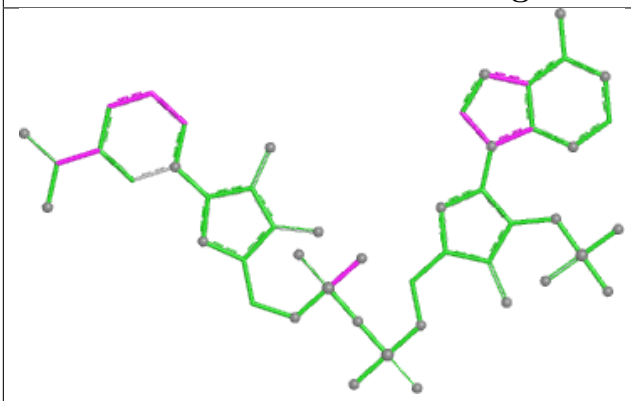


Torsions

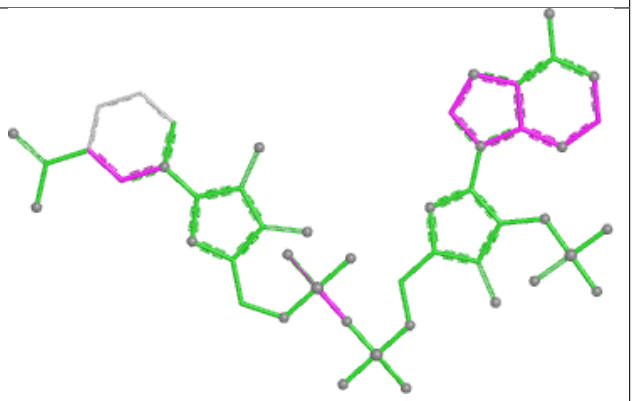


Rings

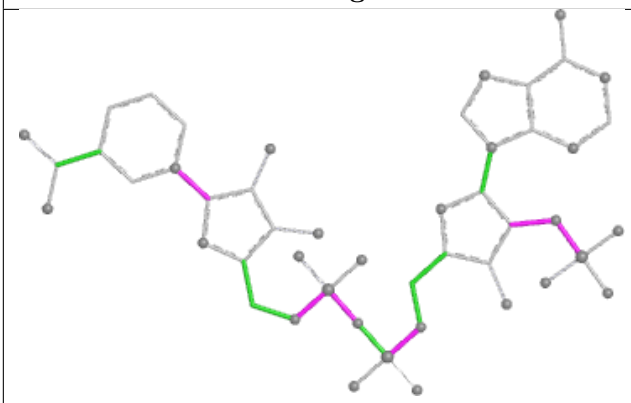
Ligand NDP D 1401



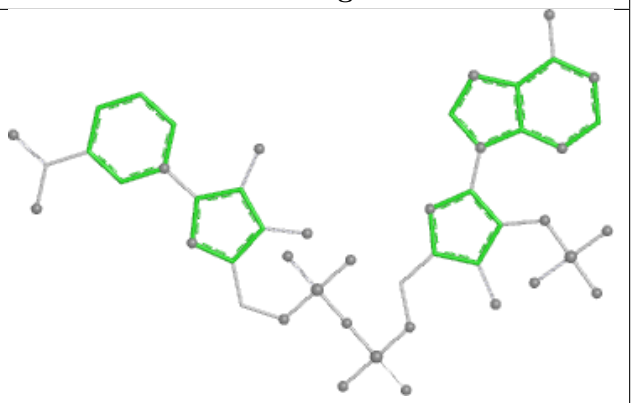
Bond lengths



Bond angles

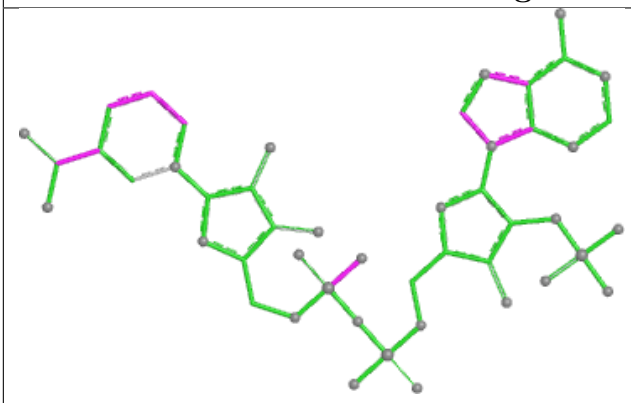


Torsions

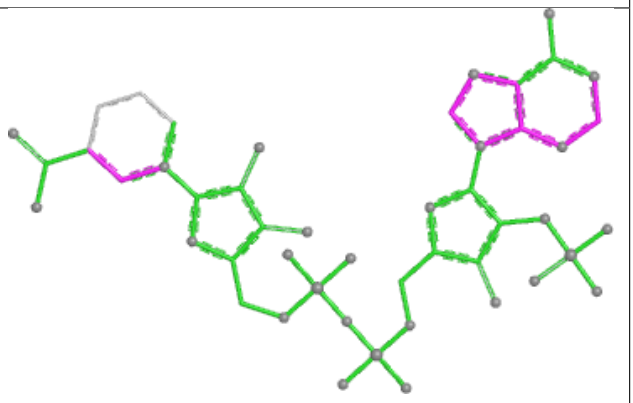


Rings

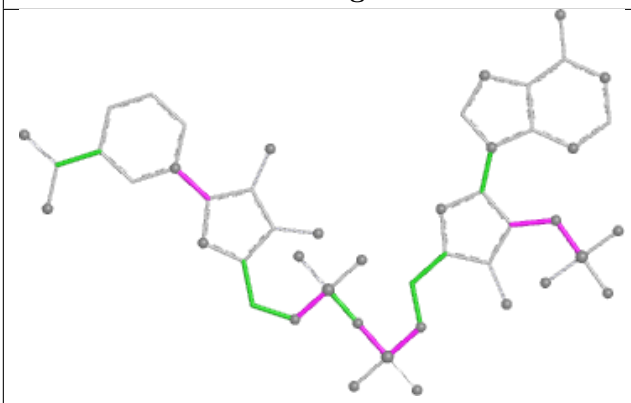
Ligand NDP F 1601



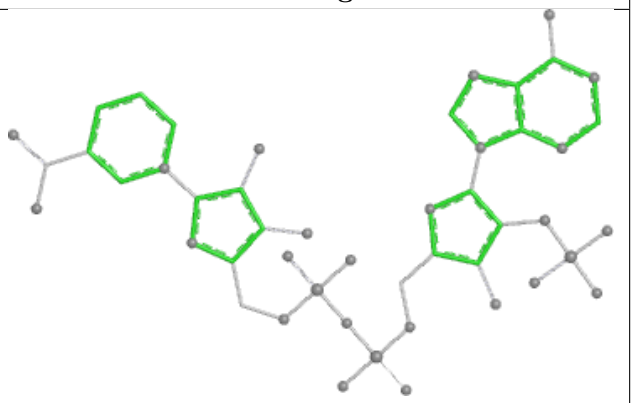
Bond lengths



Bond angles



Torsions



Rings

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

6 Fit of model and data

6.1 Protein, DNA and RNA chains

In the following table, the column labelled '#RSRZ> 2' contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95^{th} percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled 'Q< 0.9' lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2			OWAB(Å^2)	Q<0.9
1	A	410/427 (96%)	4.10	356 (86%)	0	0	42, 70, 111, 142	0
1	B	410/427 (96%)	3.87	347 (84%)	0	0	44, 66, 102, 148	0
1	C	410/427 (96%)	3.94	355 (86%)	0	0	36, 63, 97, 152	0
1	D	410/427 (96%)	3.77	339 (82%)	0	0	40, 63, 99, 135	0
1	E	410/427 (96%)	3.86	357 (87%)	0	0	45, 67, 104, 156	0
1	F	410/427 (96%)	3.92	360 (87%)	0	0	40, 61, 96, 141	0
All	All	2460/2562 (96%)	3.91	2114 (85%)	0	0	36, 66, 103, 156	0

All (2114) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	E	198	SER	15.5
1	C	105	GLY	12.2
1	C	4	LYS	11.3
1	A	164	THR	11.3
1	B	276	GLY	11.2
1	A	373	GLY	11.2
1	F	57	ILE	11.1
1	E	392	VAL	11.1
1	F	186	ASN	10.9
1	E	288	GLY	10.8
1	B	176	LYS	10.8
1	D	318	TYR	10.6
1	B	64	ALA	10.6
1	B	348	LEU	10.5
1	D	162	PRO	10.5
1	C	57	ILE	10.5
1	C	180	VAL	10.4
1	C	288	GLY	10.3
1	F	82	ALA	10.3

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Mol	Chain	Res	Type	RSRZ
1	E	364	ALA	10.1
1	A	181	ALA	9.9
1	D	167	PRO	9.9
1	C	6	LYS	9.8
1	C	198	SER	9.8
1	B	239	SER	9.8
1	E	126	GLU	9.6
1	D	82	ALA	9.6
1	F	385	ASN	9.5
1	A	142	ALA	9.5
1	A	151	GLY	9.5
1	B	179	GLY	9.3
1	B	180	VAL	9.3
1	A	177	GLY	9.3
1	F	236	GLN	9.2
1	E	162	PRO	9.2
1	F	302	GLY	9.0
1	E	32	ILE	8.9
1	F	235	ALA	8.8
1	E	369	VAL	8.8
1	C	167	PRO	8.7
1	F	164	THR	8.7
1	C	166	GLN	8.7
1	F	160	SER	8.6
1	C	169	THR	8.6
1	C	117	ARG	8.6
1	B	152	SER	8.5
1	B	328	SER	8.5
1	D	343	LEU	8.5
1	F	2	PHE	8.5
1	B	183	ALA	8.5
1	B	243	GLN	8.5
1	D	153	LEU	8.5
1	A	221	TYR	8.4
1	C	181	ALA	8.4
1	C	228	ILE	8.4
1	E	163	THR	8.4
1	D	103	ILE	8.4
1	A	411	SER	8.3
1	F	54	SER	8.3
1	B	350	ASN	8.3
1	C	343	LEU	8.2

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Mol	Chain	Res	Type	RSRZ
1	C	177	GLY	8.2
1	F	88	ASN	8.2
1	B	32	ILE	8.1
1	C	5	ILE	8.1
1	D	152	SER	8.1
1	D	165	ALA	8.1
1	B	164	THR	8.1
1	B	191	ILE	8.1
1	C	337	ALA	8.1
1	C	411	SER	8.1
1	C	174	ASP	7.9
1	C	8	LYS	7.9
1	D	129	ILE	7.9
1	B	80	ASP	7.9
1	E	164	THR	7.8
1	E	297	LEU	7.8
1	E	334	SER	7.8
1	D	223	GLY	7.8
1	B	2	PHE	7.8
1	C	148	PRO	7.8
1	F	238	LYS	7.8
1	F	151	GLY	7.8
1	A	99	THR	7.8
1	C	298	VAL	7.8
1	F	155	LEU	7.7
1	D	107	THR	7.7
1	A	230	GLN	7.7
1	F	8	LYS	7.7
1	F	242	GLU	7.7
1	A	77	ILE	7.7
1	F	198	SER	7.6
1	B	408	GLU	7.6
1	B	248	TYR	7.6
1	A	409	ILE	7.6
1	E	233	TYR	7.6
1	A	196	HIS	7.6
1	D	179	GLY	7.6
1	B	282	ILE	7.6
1	B	146	LEU	7.5
1	F	68	TYR	7.5
1	F	411	SER	7.5
1	B	114	VAL	7.5

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Mol	Chain	Res	Type	RSRZ
1	D	163	THR	7.5
1	B	178	SER	7.5
1	D	235	ALA	7.5
1	A	204	ASP	7.5
1	C	56	LYS	7.4
1	C	156	VAL	7.4
1	B	400	ALA	7.4
1	C	204	ASP	7.4
1	B	233	TYR	7.4
1	D	54	SER	7.4
1	A	37	ASP	7.3
1	C	2	PHE	7.3
1	B	238	LYS	7.3
1	A	239	SER	7.3
1	D	198	SER	7.3
1	D	166	GLN	7.3
1	E	390	ALA	7.3
1	F	145	THR	7.3
1	A	108	VAL	7.3
1	A	198	SER	7.3
1	D	382	ALA	7.3
1	B	88	ASN	7.3
1	C	179	GLY	7.2
1	C	302	GLY	7.2
1	B	358	ALA	7.2
1	F	297	LEU	7.2
1	E	38	VAL	7.2
1	B	240	LYS	7.2
1	C	153	LEU	7.2
1	C	327	THR	7.2
1	D	278	VAL	7.2
1	C	237	TYR	7.1
1	A	130	ILE	7.1
1	E	226	LYS	7.1
1	D	390	ALA	7.1
1	F	51	ASP	7.1
1	F	241	PHE	7.1
1	B	327	THR	7.1
1	E	140	TYR	7.1
1	A	337	ALA	7.1
1	A	226	LYS	7.1
1	A	382	ALA	7.0

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Mol	Chain	Res	Type	RSRZ
1	C	165	ALA	7.0
1	C	410	LYS	7.0
1	E	187	THR	7.0
1	B	6	LYS	7.0
1	F	190	SER	7.0
1	D	57	ILE	7.0
1	F	226	LYS	7.0
1	E	63	GLU	7.0
1	C	244	LEU	7.0
1	F	175	TYR	7.0
1	D	50	ARG	7.0
1	A	72	ILE	6.9
1	A	161	ASP	6.9
1	A	38	VAL	6.9
1	C	78	THR	6.9
1	E	113	ILE	6.9
1	F	143	THR	6.9
1	A	407	LYS	6.9
1	D	41	LYS	6.9
1	B	35	TYR	6.9
1	E	55	ASP	6.9
1	D	245	GLY	6.9
1	D	388	ARG	6.9
1	F	192	GLU	6.9
1	E	42	TYR	6.9
1	F	53	THR	6.8
1	E	202	ALA	6.8
1	A	347	GLU	6.8
1	D	168	GLN	6.8
1	A	343	LEU	6.8
1	C	392	VAL	6.8
1	F	348	LEU	6.8
1	E	302	GLY	6.8
1	E	165	ALA	6.8
1	C	242	GLU	6.8
1	A	231	GLU	6.8
1	A	253	ILE	6.7
1	F	5	ILE	6.7
1	A	197	SER	6.7
1	A	210	PHE	6.7
1	A	364	ALA	6.7
1	F	166	GLN	6.7

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Mol	Chain	Res	Type	RSRZ
1	B	296	ILE	6.7
1	F	144	ASP	6.7
1	F	153	LEU	6.7
1	A	68	TYR	6.7
1	F	356	LYS	6.7
1	B	192	GLU	6.7
1	C	62	ALA	6.7
1	A	228	ILE	6.7
1	C	176	LYS	6.7
1	D	308	GLU	6.7
1	A	270	ALA	6.7
1	B	312	GLY	6.7
1	D	154	GLU	6.7
1	E	41	LYS	6.7
1	D	131	ILE	6.7
1	B	318	TYR	6.6
1	E	166	GLN	6.6
1	D	392	VAL	6.6
1	E	33	LEU	6.6
1	B	241	PHE	6.6
1	C	154	GLU	6.6
1	C	389	SER	6.6
1	E	167	PRO	6.6
1	B	284	ALA	6.6
1	D	52	ALA	6.6
1	A	348	LEU	6.6
1	D	155	LEU	6.6
1	E	138	ASP	6.6
1	F	79	PRO	6.6
1	D	298	VAL	6.6
1	C	159	PRO	6.6
1	D	136	HIS	6.6
1	E	305	PHE	6.6
1	D	160	SER	6.6
1	A	195	ALA	6.6
1	F	172	VAL	6.6
1	A	351	THR	6.5
1	A	242	GLU	6.5
1	C	210	PHE	6.5
1	A	324	GLY	6.5
1	A	39	ASP	6.5
1	B	19	MET	6.5

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Mol	Chain	Res	Type	RSRZ
1	A	284	ALA	6.5
1	F	61	ALA	6.5
1	A	248	TYR	6.5
1	B	94	LYS	6.5
1	F	90	HIS	6.5
1	F	349	ASP	6.5
1	F	244	LEU	6.5
1	C	409	ILE	6.5
1	F	239	SER	6.5
1	E	172	VAL	6.5
1	A	200	LYS	6.5
1	D	119	PRO	6.5
1	A	199	PHE	6.5
1	E	36	LEU	6.5
1	F	45	LEU	6.5
1	D	93	TRP	6.5
1	A	294	THR	6.4
1	A	111	GLU	6.4
1	E	45	LEU	6.4
1	A	61	ALA	6.4
1	F	117	ARG	6.4
1	A	202	ALA	6.4
1	C	191	ILE	6.4
1	A	84	VAL	6.4
1	B	81	GLU	6.4
1	F	346	GLY	6.4
1	F	240	LYS	6.4
1	E	191	ILE	6.4
1	A	247	HIS	6.3
1	C	68	TYR	6.3
1	B	313	THR	6.3
1	D	161	ASP	6.3
1	B	62	ALA	6.3
1	E	156	VAL	6.3
1	E	92	MET	6.3
1	C	162	PRO	6.3
1	D	273	ASN	6.3
1	D	89	LEU	6.3
1	D	410	LYS	6.3
1	B	301	ASP	6.3
1	C	372	ASP	6.3
1	B	137	GLY	6.3

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Mol	Chain	Res	Type	RSRZ
1	C	170	LEU	6.3
1	E	385	ASN	6.3
1	C	64	ALA	6.3
1	B	4	LYS	6.3
1	B	236	GLN	6.3
1	C	248	TYR	6.3
1	B	120	ARG	6.3
1	E	387	GLU	6.2
1	A	300	PRO	6.2
1	F	167	PRO	6.2
1	C	54	SER	6.2
1	F	195	ALA	6.2
1	E	298	VAL	6.2
1	F	243	GLN	6.2
1	C	3	SER	6.2
1	D	75	ALA	6.2
1	D	25	ASP	6.2
1	A	322	GLN	6.2
1	A	370	GLN	6.2
1	B	371	GLN	6.2
1	D	139	GLN	6.2
1	C	245	GLY	6.2
1	D	164	THR	6.2
1	A	186	ASN	6.2
1	A	7	VAL	6.2
1	A	187	THR	6.2
1	E	339	SER	6.2
1	E	228	ILE	6.2
1	A	191	ILE	6.1
1	E	154	GLU	6.1
1	D	297	LEU	6.1
1	C	356	LYS	6.1
1	A	233	TYR	6.1
1	B	298	VAL	6.1
1	C	82	ALA	6.1
1	F	233	TYR	6.1
1	E	132	GLY	6.1
1	A	20	THR	6.1
1	A	295	SER	6.1
1	A	363	SER	6.1
1	B	242	GLU	6.1
1	F	183	ALA	6.1

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Mol	Chain	Res	Type	RSRZ
1	F	158	LYS	6.1
1	D	78	THR	6.1
1	C	59	GLN	6.0
1	B	316	ARG	6.0
1	A	193	GLY	6.0
1	A	223	GLY	6.0
1	D	384	GLY	6.0
1	A	325	GLU	6.0
1	F	379	LEU	6.0
1	F	230	GLN	6.0
1	D	177	GLY	6.0
1	B	99	THR	6.0
1	C	234	GLU	6.0
1	C	387	GLU	6.0
1	B	283	VAL	6.0
1	B	346	GLY	6.0
1	C	199	PHE	6.0
1	F	152	SER	6.0
1	E	112	PRO	6.0
1	F	221	TYR	5.9
1	A	241	PHE	5.9
1	E	294	THR	5.9
1	F	4	LYS	5.9
1	B	97	ASN	5.9
1	D	84	VAL	5.9
1	F	156	VAL	5.9
1	F	350	ASN	5.9
1	C	160	SER	5.9
1	D	371	GLN	5.9
1	D	98	GLY	5.9
1	F	105	GLY	5.9
1	C	158	LYS	5.9
1	B	20	THR	5.9
1	B	380	ALA	5.9
1	E	386	ASN	5.9
1	A	323	LYS	5.9
1	A	356	LYS	5.9
1	D	159	PRO	5.9
1	D	61	ALA	5.9
1	F	232	VAL	5.9
1	A	137	GLY	5.9
1	C	233	TYR	5.9

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Mol	Chain	Res	Type	RSRZ
1	A	244	LEU	5.9
1	C	155	LEU	5.9
1	E	153	LEU	5.9
1	A	355	CYS	5.9
1	D	380	ALA	5.9
1	C	152	SER	5.8
1	A	375	MET	5.8
1	A	346	GLY	5.8
1	E	39	ASP	5.8
1	D	389	SER	5.8
1	F	339	SER	5.8
1	A	125	TRP	5.8
1	B	5	ILE	5.8
1	B	121	LEU	5.8
1	B	33	LEU	5.8
1	F	300	PRO	5.8
1	F	392	VAL	5.8
1	A	184	MET	5.8
1	A	203	ILE	5.8
1	E	103	ILE	5.8
1	B	247	HIS	5.8
1	B	379	LEU	5.8
1	E	161	ASP	5.8
1	D	283	VAL	5.8
1	D	121	LEU	5.7
1	B	410	LYS	5.7
1	E	230	GLN	5.7
1	A	82	ALA	5.7
1	A	135	ALA	5.7
1	D	270	ALA	5.7
1	E	54	SER	5.7
1	A	2	PHE	5.7
1	C	91	LYS	5.7
1	A	209	LEU	5.7
1	A	234	GLU	5.7
1	A	378	ASP	5.7
1	C	358	ALA	5.7
1	F	202	ALA	5.7
1	E	253	ILE	5.7
1	F	261	ILE	5.7
1	E	280	SER	5.7
1	F	180	VAL	5.7

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Mol	Chain	Res	Type	RSRZ
1	C	268	ILE	5.6
1	A	237	TYR	5.6
1	C	381	LEU	5.6
1	E	159	PRO	5.6
1	E	352	PRO	5.6
1	D	247	HIS	5.6
1	E	185	TYR	5.6
1	A	40	LEU	5.6
1	D	158	LYS	5.6
1	F	220	LYS	5.6
1	A	341	GLY	5.6
1	D	281	ASP	5.6
1	A	5	ILE	5.6
1	D	203	ILE	5.6
1	F	78	THR	5.6
1	A	396	GLU	5.6
1	E	111	GLU	5.6
1	D	16	GLY	5.6
1	B	53	THR	5.6
1	C	38	VAL	5.6
1	D	315	THR	5.6
1	A	131	ILE	5.6
1	D	90	HIS	5.5
1	D	40	LEU	5.5
1	E	81	GLU	5.5
1	B	293	MET	5.5
1	F	149	GLY	5.5
1	F	248	TYR	5.5
1	C	70	VAL	5.5
1	D	108	VAL	5.5
1	D	171	LYS	5.5
1	E	7	VAL	5.5
1	F	187	THR	5.5
1	B	204	ASP	5.5
1	E	301	ASP	5.5
1	A	132	GLY	5.5
1	C	243	GLN	5.5
1	D	220	LYS	5.5
1	E	160	SER	5.5
1	A	392	VAL	5.5
1	F	7	VAL	5.5
1	B	304	THR	5.5

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Mol	Chain	Res	Type	RSRZ
1	C	90	HIS	5.5
1	F	118	ILE	5.5
1	B	231	GLU	5.5
1	B	349	ASP	5.5
1	D	386	ASN	5.5
1	A	122	VAL	5.5
1	A	152	SER	5.5
1	C	213	THR	5.5
1	C	360	ILE	5.5
1	E	65	ILE	5.5
1	A	354	LEU	5.5
1	F	209	LEU	5.5
1	A	408	GLU	5.5
1	C	81	GLU	5.5
1	C	347	GLU	5.5
1	D	189	GLU	5.5
1	D	383	CYS	5.5
1	A	6	LYS	5.5
1	A	208	ASN	5.5
1	C	344	LYS	5.5
1	A	285	GLN	5.5
1	A	118	ILE	5.5
1	C	14	LEU	5.4
1	C	183	ALA	5.4
1	A	176	LYS	5.4
1	F	386	ASN	5.4
1	A	115	ILE	5.4
1	C	283	VAL	5.4
1	F	296	ILE	5.4
1	B	307	SER	5.4
1	E	333	ALA	5.4
1	F	60	ASP	5.4
1	A	229	PHE	5.4
1	E	355	CYS	5.4
1	D	391	TYR	5.4
1	B	401	VAL	5.4
1	C	142	ALA	5.4
1	E	276	GLY	5.4
1	F	69	GLY	5.4
1	F	355	CYS	5.4
1	D	146	LEU	5.4
1	D	292	LEU	5.4

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Mol	Chain	Res	Type	RSRZ
1	E	252	LEU	5.4
1	E	69	GLY	5.4
1	F	343	LEU	5.4
1	A	41	LYS	5.3
1	A	238	LYS	5.3
1	C	264	LYS	5.3
1	F	137	GLY	5.3
1	E	330	ASN	5.3
1	F	131	ILE	5.3
1	A	278	VAL	5.3
1	C	175	TYR	5.3
1	D	173	TYR	5.3
1	B	107	THR	5.3
1	B	202	ALA	5.3
1	B	315	THR	5.3
1	A	339	SER	5.3
1	C	65	ILE	5.3
1	F	205	LYS	5.3
1	B	212	SER	5.3
1	C	197	SER	5.3
1	B	230	GLN	5.3
1	F	168	GLN	5.3
1	F	193	GLY	5.3
1	A	301	ASP	5.3
1	B	203	ILE	5.3
1	E	67	LYS	5.3
1	F	27	ILE	5.3
1	D	234	GLU	5.3
1	E	142	ALA	5.3
1	F	93	TRP	5.3
1	B	333	ALA	5.2
1	E	304	THR	5.2
1	D	157	TYR	5.2
1	E	10	PRO	5.2
1	B	16	GLY	5.2
1	A	127	LYS	5.2
1	A	240	LYS	5.2
1	A	410	LYS	5.2
1	F	26	LYS	5.2
1	C	20	THR	5.2
1	C	205	LYS	5.2
1	F	39	ASP	5.2

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Mol	Chain	Res	Type	RSRZ
1	C	76	THR	5.2
1	A	352	PRO	5.2
1	B	3	SER	5.2
1	A	201	LEU	5.2
1	F	87	PHE	5.2
1	F	308	GLU	5.2
1	E	8	LYS	5.2
1	B	237	TYR	5.2
1	B	302	GLY	5.2
1	F	132	GLY	5.2
1	F	247	HIS	5.2
1	A	297	LEU	5.2
1	E	244	LEU	5.2
1	A	225	PHE	5.2
1	C	355	CYS	5.2
1	D	251	ARG	5.2
1	D	378	ASP	5.2
1	F	154	GLU	5.2
1	C	273	ASN	5.1
1	C	195	ALA	5.1
1	E	243	GLN	5.1
1	A	302	GLY	5.1
1	F	177	GLY	5.1
1	C	296	ILE	5.1
1	F	178	SER	5.1
1	E	102	ASN	5.1
1	B	310	ALA	5.1
1	D	284	ALA	5.1
1	A	299	THR	5.1
1	E	151	GLY	5.1
1	B	232	VAL	5.1
1	A	311	HIS	5.1
1	D	170	LEU	5.1
1	B	177	GLY	5.1
1	A	360	ILE	5.1
1	B	103	ILE	5.1
1	C	32	ILE	5.1
1	E	221	TYR	5.1
1	E	318	TYR	5.1
1	D	15	ASP	5.1
1	F	139	GLN	5.1
1	A	218	LEU	5.1

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Mol	Chain	Res	Type	RSRZ
1	E	40	LEU	5.1
1	A	245	GLY	5.1
1	A	251	ARG	5.1
1	F	245	GLY	5.1
1	A	65	ILE	5.1
1	A	42	TYR	5.1
1	C	239	SER	5.1
1	C	272	LYS	5.1
1	D	221	TYR	5.1
1	E	35	TYR	5.1
1	A	165	ALA	5.0
1	C	373	GLY	5.0
1	D	242	GLU	5.0
1	F	408	GLU	5.0
1	B	339	SER	5.0
1	F	3	SER	5.0
1	B	278	VAL	5.0
1	A	116	PRO	5.0
1	B	125	TRP	5.0
1	B	352	PRO	5.0
1	B	356	LYS	5.0
1	D	147	ILE	5.0
1	D	295	SER	5.0
1	E	157	TYR	5.0
1	A	371	GLN	5.0
1	F	165	ALA	5.0
1	B	294	THR	5.0
1	B	299	THR	5.0
1	C	36	LEU	5.0
1	D	299	THR	5.0
1	C	103	ILE	5.0
1	E	203	ILE	5.0
1	A	189	GLU	5.0
1	F	43	TYR	5.0
1	C	136	HIS	5.0
1	C	247	HIS	5.0
1	B	89	LEU	5.0
1	B	244	LEU	5.0
1	F	146	LEU	5.0
1	F	170	LEU	5.0
1	B	374	ILE	5.0
1	E	57	ILE	5.0

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Mol	Chain	Res	Type	RSRZ
1	D	387	GLU	5.0
1	B	87	PHE	5.0
1	C	114	VAL	5.0
1	E	321	TYR	4.9
1	F	307	SER	4.9
1	F	150	PRO	4.9
1	D	83	ARG	4.9
1	A	320	LYS	4.9
1	D	169	THR	4.9
1	C	359	ASN	4.9
1	B	65	ILE	4.9
1	C	126	GLU	4.9
1	F	234	GLU	4.9
1	B	79	PRO	4.9
1	E	411	SER	4.9
1	D	66	LYS	4.9
1	E	68	TYR	4.9
1	F	120	ARG	4.9
1	A	138	ASP	4.9
1	A	205	LYS	4.9
1	A	259	GLN	4.9
1	C	371	GLN	4.9
1	F	9	GLN	4.9
1	D	104	LEU	4.9
1	D	92	MET	4.9
1	E	284	ALA	4.9
1	B	58	THR	4.9
1	C	374	ILE	4.9
1	E	131	ILE	4.9
1	E	360	ILE	4.9
1	E	409	ILE	4.9
1	D	18	GLU	4.9
1	A	305	PHE	4.9
1	F	210	PHE	4.9
1	C	116	PRO	4.9
1	D	182	MET	4.9
1	E	391	TYR	4.9
1	E	235	ALA	4.9
1	F	246	ILE	4.9
1	A	359	ASN	4.9
1	D	124	ARG	4.9
1	B	9	GLN	4.9

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Mol	Chain	Res	Type	RSRZ
1	B	334	SER	4.9
1	A	27	ILE	4.9
1	A	163	THR	4.9
1	A	246	ILE	4.9
1	A	368	THR	4.9
1	B	100	ILE	4.9
1	E	395	GLU	4.9
1	B	384	GLY	4.9
1	F	223	GLY	4.9
1	E	176	LYS	4.9
1	F	410	LYS	4.9
1	F	92	MET	4.9
1	F	406	GLN	4.8
1	A	160	SER	4.8
1	D	60	ASP	4.8
1	E	382	ALA	4.8
1	D	77	ILE	4.8
1	A	327	THR	4.8
1	E	384	GLY	4.8
1	E	11	VAL	4.8
1	A	292	LEU	4.8
1	E	380	ALA	4.8
1	A	22	ILE	4.8
1	B	228	ILE	4.8
1	B	394	THR	4.8
1	C	294	THR	4.8
1	C	318	TYR	4.8
1	F	387	GLU	4.8
1	D	213	THR	4.8
1	F	213	THR	4.8
1	F	393	THR	4.8
1	D	350	ASN	4.8
1	A	220	LYS	4.8
1	A	50	ARG	4.8
1	A	296	ILE	4.8
1	D	115	ILE	4.8
1	D	55	ASP	4.8
1	E	401	VAL	4.8
1	F	38	VAL	4.8
1	F	89	LEU	4.8
1	B	27	ILE	4.8
1	B	303	LYS	4.8

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Mol	Chain	Res	Type	RSRZ
1	D	29	LYS	4.8
1	E	222	ASP	4.8
1	A	321	TYR	4.8
1	F	318	TYR	4.8
1	E	93	TRP	4.8
1	C	196	HIS	4.8
1	C	172	VAL	4.8
1	B	86	GLU	4.7
1	F	130	ILE	4.7
1	A	8	LYS	4.7
1	C	238	LYS	4.7
1	A	281	ASP	4.7
1	B	133	ARG	4.7
1	B	288	GLY	4.7
1	E	346	GLY	4.7
1	D	43	TYR	4.7
1	B	38	VAL	4.7
1	D	342	LEU	4.7
1	A	113	ILE	4.7
1	B	235	ALA	4.7
1	F	52	ALA	4.7
1	C	365	THR	4.7
1	E	227	ASP	4.7
1	E	349	ASP	4.7
1	C	357	PHE	4.7
1	B	116	PRO	4.7
1	C	405	LEU	4.7
1	B	314	VAL	4.7
1	E	322	GLN	4.7
1	A	344	LYS	4.7
1	C	22	ILE	4.7
1	B	195	ALA	4.7
1	C	375	MET	4.7
1	A	265	GLY	4.7
1	C	37	ASP	4.7
1	D	76	THR	4.7
1	E	368	THR	4.7
1	E	378	ASP	4.7
1	A	109	PHE	4.7
1	D	321	TYR	4.7
1	E	146	LEU	4.7
1	E	242	GLU	4.7

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Mol	Chain	Res	Type	RSRZ
1	E	393	THR	4.7
1	F	301	ASP	4.7
1	C	342	LEU	4.7
1	D	385	ASN	4.7
1	D	219	LYS	4.7
1	D	377	LYS	4.7
1	B	154	GLU	4.6
1	B	246	ILE	4.6
1	C	72	ILE	4.6
1	C	130	ILE	4.6
1	D	395	GLU	4.6
1	E	20	THR	4.6
1	A	136	HIS	4.6
1	D	80	ASP	4.6
1	F	176	LYS	4.6
1	C	391	TYR	4.6
1	C	75	ALA	4.6
1	A	291	GLY	4.6
1	B	223	GLY	4.6
1	B	134	HIS	4.6
1	A	188	ASP	4.6
1	F	36	LEU	4.6
1	F	399	ASP	4.6
1	B	411	SER	4.6
1	E	389	SER	4.6
1	A	236	GLN	4.6
1	D	180	VAL	4.6
1	A	124	ARG	4.6
1	A	338	TRP	4.6
1	F	409	ILE	4.6
1	D	324	GLY	4.6
1	C	28	LYS	4.6
1	D	365	THR	4.6
1	E	313	THR	4.6
1	D	14	LEU	4.6
1	D	381	LEU	4.6
1	F	206	LYS	4.6
1	B	109	PHE	4.6
1	C	267	PHE	4.6
1	C	230	GLN	4.6
1	A	369	VAL	4.6
1	C	124	ARG	4.6

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Mol	Chain	Res	Type	RSRZ
1	E	347	GLU	4.6
1	B	207	LEU	4.6
1	E	119	PRO	4.6
1	A	389	SER	4.6
1	F	12	VAL	4.6
1	B	234	GLU	4.5
1	E	306	GLU	4.5
1	A	157	TYR	4.5
1	C	221	TYR	4.5
1	D	140	TYR	4.5
1	B	390	ALA	4.5
1	B	8	LYS	4.5
1	B	196	HIS	4.5
1	B	381	LEU	4.5
1	C	146	LEU	4.5
1	C	163	THR	4.5
1	E	169	THR	4.5
1	B	300	PRO	4.5
1	A	182	MET	4.5
1	A	190	SER	4.5
1	F	298	VAL	4.5
1	B	130	ILE	4.5
1	C	217	ILE	4.5
1	C	226	LYS	4.5
1	D	28	LYS	4.5
1	D	56	LYS	4.5
1	E	66	LYS	4.5
1	F	320	LYS	4.5
1	C	252	LEU	4.5
1	E	381	LEU	4.5
1	E	184	MET	4.5
1	D	117	ARG	4.5
1	E	345	ARG	4.5
1	A	289	SER	4.5
1	E	3	SER	4.5
1	E	152	SER	4.5
1	D	81	GLU	4.5
1	C	246	ILE	4.5
1	D	97	ASN	4.5
1	A	358	ALA	4.5
1	B	258	ALA	4.5
1	E	398	LEU	4.5

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Mol	Chain	Res	Type	RSRZ
1	E	376	THR	4.5
1	B	229	PHE	4.5
1	B	397	PHE	4.5
1	B	144	ASP	4.5
1	D	372	ASP	4.5
1	F	204	ASP	4.5
1	C	367	ASN	4.5
1	C	386	ASN	4.5
1	D	91	LYS	4.5
1	B	271	LEU	4.5
1	D	137	GLY	4.5
1	B	166	GLN	4.5
1	D	99	THR	4.5
1	D	402	GLU	4.5
1	A	386	ASN	4.4
1	B	36	LEU	4.4
1	C	92	MET	4.4
1	D	194	PHE	4.4
1	F	81	GLU	4.4
1	D	253	ILE	4.4
1	E	77	ILE	4.4
1	A	307	SER	4.4
1	E	273	ASN	4.4
1	A	252	LEU	4.4
1	C	321	TYR	4.4
1	C	71	GLY	4.4
1	D	74	CYS	4.4
1	E	96	PRO	4.4
1	E	291	GLY	4.4
1	F	251	ARG	4.4
1	D	320	LYS	4.4
1	E	94	LYS	4.4
1	B	13	GLU	4.4
1	F	281	ASP	4.4
1	A	350	ASN	4.4
1	D	328	SER	4.4
1	A	211	LEU	4.4
1	C	201	LEU	4.4
1	F	135	ALA	4.4
1	A	140	TYR	4.4
1	A	286	GLY	4.4
1	B	124	ARG	4.4

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Mol	Chain	Res	Type	RSRZ
1	B	274	TYR	4.4
1	F	101	ARG	4.4
1	F	266	GLY	4.4
1	A	303	LYS	4.4
1	B	78	THR	4.4
1	B	163	THR	4.4
1	F	299	THR	4.4
1	F	306	GLU	4.4
1	A	349	ASP	4.4
1	E	328	SER	4.4
1	D	271	LEU	4.4
1	D	64	ALA	4.4
1	F	237	TYR	4.4
1	A	53	THR	4.4
1	B	113	ILE	4.4
1	F	136	HIS	4.3
1	A	390	ALA	4.3
1	A	30	LYS	4.3
1	B	112	PRO	4.3
1	B	150	PRO	4.3
1	E	238	LYS	4.3
1	B	151	GLY	4.3
1	E	237	TYR	4.3
1	C	87	PHE	4.3
1	A	222	ASP	4.3
1	A	121	LEU	4.3
1	D	45	LEU	4.3
1	D	361	LEU	4.3
1	E	89	LEU	4.3
1	C	400	ALA	4.3
1	D	151	GLY	4.3
1	A	58	THR	4.3
1	F	169	THR	4.3
1	D	172	VAL	4.3
1	A	36	LEU	4.3
1	C	281	ASP	4.3
1	D	144	ASP	4.3
1	E	218	LEU	4.3
1	F	91	LYS	4.3
1	E	64	ALA	4.3
1	B	10	PRO	4.3
1	B	376	THR	4.3

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Mol	Chain	Res	Type	RSRZ
1	D	58	THR	4.3
1	E	130	ILE	4.3
1	F	147	ILE	4.3
1	F	217	ILE	4.3
1	F	391	TYR	4.3
1	E	84	VAL	4.3
1	B	205	LYS	4.3
1	C	120	ARG	4.3
1	D	94	LYS	4.3
1	A	148	PRO	4.3
1	B	198	SER	4.3
1	E	109	PHE	4.3
1	C	11	VAL	4.3
1	F	28	LYS	4.2
1	F	33	LEU	4.2
1	B	74	CYS	4.2
1	D	51	ASP	4.2
1	A	235	ALA	4.2
1	E	353	ALA	4.2
1	A	243	GLN	4.2
1	B	194	PHE	4.2
1	C	118	ILE	4.2
1	C	147	ILE	4.2
1	E	2	PHE	4.2
1	A	298	VAL	4.2
1	D	114	VAL	4.2
1	D	232	VAL	4.2
1	E	125	TRP	4.2
1	E	361	LEU	4.2
1	C	316	ARG	4.2
1	D	204	ASP	4.2
1	F	15	ASP	4.2
1	B	52	ALA	4.2
1	C	223	GLY	4.2
1	E	325	GLU	4.2
1	D	313	THR	4.2
1	B	7	VAL	4.2
1	E	134	HIS	4.2
1	B	110	ARG	4.2
1	E	173	TYR	4.2
1	F	157	TYR	4.2
1	A	93	TRP	4.2

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Mol	Chain	Res	Type	RSRZ
1	B	75	ALA	4.2
1	C	61	ALA	4.2
1	A	63	GLU	4.2
1	C	326	GLU	4.2
1	E	147	ILE	4.2
1	F	268	ILE	4.2
1	C	47	VAL	4.2
1	A	224	ARG	4.2
1	D	319	ARG	4.2
1	B	42	TYR	4.2
1	C	173	TYR	4.2
1	F	125	TRP	4.2
1	E	137	GLY	4.2
1	F	106	GLY	4.2
1	D	307	SER	4.2
1	B	50	ARG	4.2
1	B	108	VAL	4.2
1	E	290	LEU	4.2
1	E	388	ARG	4.2
1	E	394	THR	4.2
1	F	369	VAL	4.2
1	B	153	LEU	4.2
1	A	150	PRO	4.1
1	D	79	PRO	4.1
1	B	139	GLN	4.1
1	E	62	ALA	4.1
1	B	106	GLY	4.1
1	B	132	GLY	4.1
1	B	341	GLY	4.1
1	D	30	LYS	4.1
1	E	214	LYS	4.1
1	A	263	SER	4.1
1	F	77	ILE	4.1
1	A	340	ARG	4.1
1	D	101	ARG	4.1
1	F	316	ARG	4.1
1	E	329	THR	4.1
1	F	185	TYR	4.1
1	A	139	GLN	4.1
1	C	171	LYS	4.1
1	E	358	ALA	4.1
1	C	306	GLU	4.1

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Mol	Chain	Res	Type	RSRZ
1	F	208	ASN	4.1
1	D	5	ILE	4.1
1	E	246	ILE	4.1
1	B	305	PHE	4.1
1	B	383	CYS	4.1
1	E	199	PHE	4.1
1	F	363	SER	4.1
1	E	405	LEU	4.1
1	E	135	ALA	4.1
1	D	359	ASN	4.1
1	B	218	LEU	4.1
1	D	199	PHE	4.1
1	C	307	SER	4.1
1	A	232	VAL	4.1
1	E	12	VAL	4.1
1	E	108	VAL	4.1
1	A	394	THR	4.1
1	D	393	THR	4.1
1	F	10	PRO	4.1
1	C	94	LYS	4.1
1	C	407	LYS	4.1
1	D	67	LYS	4.1
1	E	139	GLN	4.1
1	A	16	GLY	4.1
1	C	388	ARG	4.1
1	D	340	ARG	4.1
1	D	360	ILE	4.1
1	E	215	ASN	4.1
1	F	292	LEU	4.1
1	A	304	THR	4.1
1	C	164	THR	4.1
1	F	163	THR	4.1
1	F	119	PRO	4.0
1	F	377	LYS	4.0
1	A	126	GLU	4.0
1	A	35	TYR	4.0
1	B	165	ALA	4.0
1	A	404	ARG	4.0
1	C	55	ASP	4.0
1	E	80	ASP	4.0
1	A	102	ASN	4.0
1	B	273	ASN	4.0

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Mol	Chain	Res	Type	RSRZ
1	B	398	LEU	4.0
1	C	45	LEU	4.0
1	E	225	PHE	4.0
1	A	180	VAL	4.0
1	B	47	VAL	4.0
1	D	156	VAL	4.0
1	D	394	THR	4.0
1	C	141	LYS	4.0
1	C	403	LYS	4.0
1	E	158	LYS	4.0
1	C	119	PRO	4.0
1	B	402	GLU	4.0
1	E	396	GLU	4.0
1	F	189	GLU	4.0
1	B	286	GLY	4.0
1	D	130	ILE	4.0
1	D	175	TYR	4.0
1	D	296	ILE	4.0
1	D	335	ILE	4.0
1	A	80	ASP	4.0
1	E	144	ASP	4.0
1	C	350	ASN	4.0
1	C	370	GLN	4.0
1	D	279	GLN	4.0
1	C	13	GLU	4.0
1	A	62	ALA	4.0
1	C	151	GLY	4.0
1	A	31	LEU	4.0
1	C	104	LEU	4.0
1	E	379	LEU	4.0
1	F	201	LEU	4.0
1	F	207	LEU	4.0
1	E	6	LYS	4.0
1	B	393	THR	4.0
1	F	212	SER	4.0
1	F	351	THR	4.0
1	A	249	GLU	4.0
1	A	309	ALA	4.0
1	C	284	ALA	4.0
1	F	64	ALA	4.0
1	F	382	ALA	4.0
1	E	72	ILE	4.0

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Mol	Chain	Res	Type	RSRZ
1	B	31	LEU	4.0
1	A	185	TYR	4.0
1	B	175	TYR	4.0
1	B	15	ASP	4.0
1	E	194	PHE	4.0
1	A	401	VAL	4.0
1	C	369	VAL	4.0
1	E	97	ASN	4.0
1	C	187	THR	3.9
1	C	128	PRO	3.9
1	B	111	GLU	3.9
1	C	202	ALA	3.9
1	A	134	HIS	3.9
1	B	292	LEU	3.9
1	A	4	LYS	3.9
1	A	254	ASP	3.9
1	C	275	ASP	3.9
1	E	188	ASP	3.9
1	F	215	ASN	3.9
1	B	160	SER	3.9
1	D	230	GLN	3.9
1	A	133	ARG	3.9
1	E	224	ARG	3.9
1	C	380	ALA	3.9
1	E	374	ILE	3.9
1	D	141	LYS	3.9
1	F	354	LEU	3.9
1	C	150	PRO	3.9
1	B	319	ARG	3.9
1	C	190	SER	3.9
1	E	316	ARG	3.9
1	C	402	GLU	3.9
1	B	337	ALA	3.9
1	C	27	ILE	3.9
1	C	30	LYS	3.9
1	C	250	HIS	3.9
1	D	31	LEU	3.9
1	D	317	HIS	3.9
1	D	323	LYS	3.9
1	E	211	LEU	3.9
1	F	171	LYS	3.9
1	F	264	LYS	3.9

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Mol	Chain	Res	Type	RSRZ
1	A	227	ASP	3.9
1	D	255	ASP	3.9
1	E	88	ASN	3.9
1	E	124	ARG	3.9
1	C	406	GLN	3.9
1	E	168	GLN	3.9
1	A	308	GLU	3.9
1	B	190	SER	3.9
1	D	63	GLU	3.9
1	D	86	GLU	3.9
1	C	320	LYS	3.9
1	E	201	LEU	3.9
1	F	250	HIS	3.9
1	F	252	LEU	3.9
1	B	128	PRO	3.8
1	D	116	PRO	3.8
1	A	107	THR	3.8
1	B	187	THR	3.8
1	E	143	THR	3.8
1	B	406	GLN	3.8
1	A	23	ILE	3.8
1	D	27	ILE	3.8
1	A	310	ALA	3.8
1	D	309	ALA	3.8
1	E	383	CYS	3.8
1	B	17	ASP	3.8
1	B	222	ASP	3.8
1	C	83	ARG	3.8
1	C	222	ASP	3.8
1	D	125	TRP	3.8
1	D	222	ASP	3.8
1	E	101	ARG	3.8
1	E	117	ARG	3.8
1	D	248	TYR	3.8
1	E	150	PRO	3.8
1	E	251	ARG	3.8
1	E	255	ASP	3.8
1	C	394	THR	3.8
1	B	253	ILE	3.8
1	E	129	ILE	3.8
1	A	64	ALA	3.8
1	A	333	ALA	3.8

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Mol	Chain	Res	Type	RSRZ
1	B	245	GLY	3.8
1	C	149	GLY	3.8
1	E	245	GLY	3.8
1	F	122	VAL	3.8
1	D	277	ASP	3.8
1	E	25	ASP	3.8
1	F	128	PRO	3.8
1	B	127	LYS	3.8
1	E	141	LYS	3.8
1	E	371	GLN	3.8
1	F	259	GLN	3.8
1	E	31	LEU	3.8
1	E	348	LEU	3.8
1	E	212	SER	3.8
1	B	148	PRO	3.8
1	E	407	LYS	3.8
1	F	116	PRO	3.8
1	F	148	PRO	3.8
1	A	174	ASP	3.8
1	B	169	THR	3.8
1	B	189	GLU	3.8
1	D	187	THR	3.8
1	E	18	GLU	3.8
1	E	338	TRP	3.8
1	A	250	HIS	3.8
1	B	131	ILE	3.8
1	B	295	SER	3.8
1	F	197	SER	3.8
1	B	142	ALA	3.8
1	C	235	ALA	3.8
1	F	364	ALA	3.8
1	B	117	ARG	3.8
1	C	305	PHE	3.8
1	A	192	GLU	3.7
1	C	378	ASP	3.7
1	F	13	GLU	3.7
1	F	74	CYS	3.7
1	F	367	ASN	3.7
1	B	366	LEU	3.7
1	C	290	LEU	3.7
1	D	331	SER	3.7
1	F	267	PHE	3.7

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Mol	Chain	Res	Type	RSRZ
1	F	283	VAL	3.7
1	A	112	PRO	3.7
1	A	123	PRO	3.7
1	B	34	PRO	3.7
1	B	347	GLU	3.7
1	C	408	GLU	3.7
1	C	376	THR	3.7
1	D	174	ASP	3.7
1	C	385	ASN	3.7
1	E	299	THR	3.7
1	E	351	THR	3.7
1	F	304	THR	3.7
1	C	129	ILE	3.7
1	E	344	LYS	3.7
1	F	303	LYS	3.7
1	C	249	GLU	3.7
1	D	325	GLU	3.7
1	F	59	GLN	3.7
1	F	182	MET	3.7
1	A	271	LEU	3.7
1	B	145	THR	3.7
1	F	97	ASN	3.7
1	A	335	ILE	3.7
1	B	270	ALA	3.7
1	F	29	LYS	3.7
1	F	200	LYS	3.7
1	F	219	LYS	3.7
1	D	132	GLY	3.7
1	F	287	PHE	3.7
1	A	10	PRO	3.7
1	B	84	VAL	3.7
1	C	10	PRO	3.7
1	D	128	PRO	3.7
1	F	401	VAL	3.7
1	B	370	GLN	3.7
1	D	396	GLU	3.7
1	E	182	MET	3.7
1	A	365	THR	3.7
1	D	327	THR	3.7
1	E	76	THR	3.7
1	F	20	THR	3.7
1	F	161	ASP	3.7

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Mol	Chain	Res	Type	RSRZ
1	D	176	LYS	3.7
1	A	110	ARG	3.7
1	E	239	SER	3.7
1	D	236	GLN	3.7
1	E	58	THR	3.6
1	E	118	ILE	3.6
1	D	226	LYS	3.6
1	F	388	ARG	3.6
1	C	194	PHE	3.6
1	D	257	VAL	3.6
1	C	308	GLU	3.6
1	D	209	LEU	3.6
1	C	313	THR	3.6
1	C	393	THR	3.6
1	D	409	ILE	3.6
1	D	17	ASP	3.6
1	B	135	ALA	3.6
1	F	142	ALA	3.6
1	A	128	PRO	3.6
1	F	70	VAL	3.6
1	B	259	GLN	3.6
1	D	59	GLN	3.6
1	A	67	LYS	3.6
1	A	91	LYS	3.6
1	C	330	ASN	3.6
1	B	24	TRP	3.6
1	E	98	GLY	3.6
1	F	276	GLY	3.6
1	F	284	ALA	3.6
1	D	233	TYR	3.6
1	E	43	TYR	3.6
1	F	321	TYR	3.6
1	B	336	PHE	3.6
1	D	148	PRO	3.6
1	D	225	PHE	3.6
1	F	123	PRO	3.6
1	F	229	PHE	3.6
1	F	352	PRO	3.6
1	C	285	GLN	3.6
1	B	201	LEU	3.6
1	E	250	HIS	3.6
1	B	129	ILE	3.6

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Mol	Chain	Res	Type	RSRZ
1	A	15	ASP	3.6
1	B	385	ASN	3.6
1	C	15	ASP	3.6
1	D	138	ASP	3.6
1	F	378	ASP	3.6
1	D	62	ALA	3.6
1	F	98	GLY	3.6
1	A	387	GLU	3.6
1	F	199	PHE	3.6
1	D	322	GLN	3.6
1	A	206	LYS	3.6
1	B	85	LYS	3.6
1	E	303	LYS	3.6
1	F	218	LEU	3.6
1	D	134	HIS	3.5
1	D	120	ARG	3.5
1	A	169	THR	3.5
1	E	365	THR	3.5
1	C	80	ASP	3.5
1	D	71	GLY	3.5
1	A	96	PRO	3.5
1	B	168	GLN	3.5
1	C	157	TYR	3.5
1	E	402	GLU	3.5
1	F	194	PHE	3.5
1	C	218	LEU	3.5
1	C	354	LEU	3.5
1	A	212	SER	3.5
1	E	46	SER	3.5
1	E	196	HIS	3.5
1	C	74	CYS	3.5
1	A	319	ARG	3.5
1	D	316	ARG	3.5
1	B	368	THR	3.5
1	F	256	MET	3.5
1	F	293	MET	3.5
1	B	44	ASP	3.5
1	D	367	ASN	3.5
1	E	60	ASP	3.5
1	D	195	ALA	3.5
1	F	62	ALA	3.5
1	F	324	GLY	3.5

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Mol	Chain	Res	Type	RSRZ
1	B	407	LYS	3.5
1	A	114	VAL	3.5
1	B	40	LEU	3.5
1	C	42	TYR	3.5
1	C	263	SER	3.5
1	E	95	SER	3.5
1	C	131	ILE	3.5
1	F	72	ILE	3.5
1	F	383	CYS	3.5
1	B	281	ASP	3.5
1	A	403	LYS	3.5
1	C	310	ALA	3.5
1	A	162	PRO	3.5
1	E	116	PRO	3.5
1	B	342	LEU	3.5
1	C	125	TRP	3.5
1	C	257	VAL	3.5
1	E	257	VAL	3.5
1	C	43	TYR	3.5
1	A	374	ILE	3.5
1	E	282	ILE	3.5
1	E	19	MET	3.5
1	D	368	THR	3.5
1	F	262	LYS	3.5
1	A	255	ASP	3.5
1	B	39	ASP	3.5
1	C	341	GLY	3.5
1	F	174	ASP	3.5
1	D	408	GLU	3.5
1	E	192	GLU	3.5
1	C	89	LEU	3.5
1	D	2	PHE	3.5
1	A	24	TRP	3.5
1	B	136	HIS	3.5
1	D	7	VAL	3.5
1	D	314	VAL	3.5
1	E	180	VAL	3.5
1	F	196	HIS	3.5
1	A	316	ARG	3.5
1	C	143	THR	3.4
1	C	29	LYS	3.4
1	D	344	LYS	3.4

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Mol	Chain	Res	Type	RSRZ
1	F	66	LYS	3.4
1	A	79	PRO	3.4
1	C	309	ALA	3.4
1	F	138	ASP	3.4
1	C	33	LEU	3.4
1	E	155	LEU	3.4
1	F	279	GLN	3.4
1	E	210	PHE	3.4
1	B	83	ARG	3.4
1	F	278	VAL	3.4
1	F	345	ARG	3.4
1	C	203	ILE	3.4
1	A	173	TYR	3.4
1	E	216	THR	3.4
1	B	193	GLY	3.4
1	D	142	ALA	3.4
1	F	347	GLU	3.4
1	E	59	GLN	3.4
1	B	388	ARG	3.4
1	A	28	LYS	3.4
1	C	262	LYS	3.4
1	B	76	THR	3.4
1	E	53	THR	3.4
1	D	300	PRO	3.4
1	E	265	GLY	3.4
1	E	408	GLU	3.4
1	B	367	ASN	3.4
1	D	88	ASN	3.4
1	E	104	LEU	3.4
1	E	207	LEU	3.4
1	E	350	ASN	3.4
1	A	397	PHE	3.4
1	C	23	ILE	3.4
1	E	115	ILE	3.4
1	A	66	LYS	3.4
1	D	35	TYR	3.4
1	D	68	TYR	3.4
1	E	197	SER	3.4
1	A	213	THR	3.4
1	C	99	THR	3.4
1	D	310	ALA	3.4
1	D	345	ARG	3.4

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Mol	Chain	Res	Type	RSRZ
1	E	16	GLY	3.4
1	A	166	GLN	3.4
1	E	21	ARG	3.4
1	F	309	ALA	3.4
1	A	277	ASP	3.4
1	F	129	ILE	3.3
1	A	264	LYS	3.3
1	A	175	TYR	3.3
1	B	363	SER	3.3
1	C	274	TYR	3.3
1	B	48	GLU	3.3
1	A	149	GLY	3.3
1	B	155	LEU	3.3
1	B	343	LEU	3.3
1	C	123	PRO	3.3
1	F	249	GLU	3.3
1	F	342	LEU	3.3
1	B	311	HIS	3.3
1	F	400	ALA	3.3
1	B	275	ASP	3.3
1	A	283	VAL	3.3
1	B	225	PHE	3.3
1	D	44	ASP	3.3
1	F	188	ASP	3.3
1	E	28	LYS	3.3
1	D	178	SER	3.3
1	A	153	LEU	3.3
1	B	252	LEU	3.3
1	C	96	PRO	3.3
1	C	297	LEU	3.3
1	D	21	ARG	3.3
1	E	189	GLU	3.3
1	F	231	GLU	3.3
1	C	382	ALA	3.3
1	A	257	VAL	3.3
1	B	369	VAL	3.3
1	B	409	ILE	3.3
1	E	332	ILE	3.3
1	F	65	ILE	3.3
1	F	374	ILE	3.3
1	A	46	SER	3.3
1	A	274	TYR	3.3

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Mol	Chain	Res	Type	RSRZ
1	C	345	ARG	3.3
1	F	368	THR	3.3
1	F	402	GLU	3.3
1	B	92	MET	3.3
1	D	19	MET	3.3
1	F	317	HIS	3.3
1	F	270	ALA	3.3
1	A	56	LYS	3.3
1	B	262	LYS	3.3
1	B	199	PHE	3.3
1	A	32	ILE	3.3
1	A	282	ILE	3.3
1	C	39	ASP	3.3
1	D	349	ASP	3.3
1	F	11	VAL	3.3
1	F	222	ASP	3.3
1	C	383	CYS	3.3
1	B	224	ARG	3.3
1	C	49	SER	3.3
1	C	329	THR	3.3
1	F	395	GLU	3.3
1	D	214	LYS	3.3
1	E	323	LYS	3.3
1	E	406	GLN	3.3
1	D	346	GLY	3.3
1	E	410	LYS	3.3
1	C	52	ALA	3.3
1	A	336	PHE	3.3
1	A	215	ASN	3.3
1	C	253	ILE	3.3
1	C	251	ARG	3.2
1	D	133	ARG	3.2
1	D	224	ARG	3.2
1	A	293	MET	3.2
1	E	343	LEU	3.2
1	A	29	LYS	3.2
1	D	407	LYS	3.2
1	E	213	THR	3.2
1	E	240	LYS	3.2
1	F	85	LYS	3.2
1	B	49	SER	3.2
1	D	3	SER	3.2

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Mol	Chain	Res	Type	RSRZ
1	E	331	SER	3.2
1	C	270	ALA	3.2
1	D	32	ILE	3.2
1	E	114	VAL	3.2
1	E	186	ASN	3.2
1	A	326	GLU	3.2
1	A	395	GLU	3.2
1	F	121	LEU	3.2
1	B	338	TRP	3.2
1	D	311	HIS	3.2
1	A	334	SER	3.2
1	B	82	ALA	3.2
1	A	12	VAL	3.2
1	A	172	VAL	3.2
1	B	287	PHE	3.2
1	F	360	ILE	3.2
1	C	97	ASN	3.2
1	D	102	ASN	3.2
1	C	188	ASP	3.2
1	C	399	ASP	3.2
1	A	21	ARG	3.2
1	A	26	LYS	3.2
1	B	18	GLU	3.2
1	B	249	GLU	3.2
1	A	69	GLY	3.2
1	D	276	GLY	3.2
1	B	61	ALA	3.2
1	D	87	PHE	3.2
1	E	268	ILE	3.2
1	D	215	ASN	3.2
1	E	17	ASP	3.2
1	B	345	ARG	3.2
1	D	403	LYS	3.2
1	C	236	GLN	3.2
1	A	353	ALA	3.2
1	B	353	ALA	3.2
1	C	339	SER	3.2
1	A	87	PHE	3.2
1	D	185	TYR	3.2
1	E	175	TYR	3.2
1	A	55	ASP	3.1
1	E	51	ASP	3.1

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Mol	Chain	Res	Type	RSRZ
1	F	31	LEU	3.1
1	F	271	LEU	3.1
1	D	326	GLU	3.1
1	A	9	GLN	3.1
1	A	76	THR	3.1
1	C	351	THR	3.1
1	D	149	GLY	3.1
1	D	312	GLY	3.1
1	D	49	SER	3.1
1	D	374	ILE	3.1
1	F	32	ILE	3.1
1	F	280	SER	3.1
1	A	391	TYR	3.1
1	C	220	LYS	3.1
1	B	170	LEU	3.1
1	D	348	LEU	3.1
1	F	290	LEU	3.1
1	D	249	GLU	3.1
1	E	231	GLU	3.1
1	B	96	PRO	3.1
1	E	236	GLN	3.1
1	F	285	GLN	3.1
1	B	265	GLY	3.1
1	D	47	VAL	3.1
1	E	267	PHE	3.1
1	B	206	LYS	3.1
1	C	35	TYR	3.1
1	C	140	TYR	3.1
1	A	89	LEU	3.1
1	C	51	ASP	3.1
1	D	218	LEU	3.1
1	E	121	LEU	3.1
1	A	287	PHE	3.1
1	B	200	LYS	3.1
1	F	127	LYS	3.1
1	B	392	VAL	3.1
1	D	46	SER	3.1
1	E	83	ARG	3.1
1	C	256	MET	3.1
1	C	211	LEU	3.1
1	C	48	GLU	3.1
1	C	254	ASP	3.1

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Mol	Chain	Res	Type	RSRZ
1	C	277	ASP	3.1
1	E	148	PRO	3.1
1	B	266	GLY	3.1
1	D	106	GLY	3.1
1	C	258	ALA	3.1
1	D	404	ARG	3.1
1	A	357	PHE	3.1
1	B	210	PHE	3.1
1	D	397	PHE	3.1
1	E	24	TRP	3.1
1	E	397	PHE	3.1
1	C	31	LEU	3.0
1	F	140	TYR	3.0
1	A	88	ASN	3.0
1	B	60	ASP	3.0
1	D	39	ASP	3.0
1	E	44	ASP	3.0
1	E	79	PRO	3.0
1	F	372	ASP	3.0
1	E	259	GLN	3.0
1	A	329	THR	3.0
1	B	66	LYS	3.0
1	B	264	LYS	3.0
1	C	346	GLY	3.0
1	D	22	ILE	3.0
1	F	253	ILE	3.0
1	D	337	ALA	3.0
1	E	260	MET	3.0
1	C	278	VAL	3.0
1	C	328	SER	3.0
1	D	339	SER	3.0
1	C	40	LEU	3.0
1	D	33	LEU	3.0
1	B	51	ASP	3.0
1	C	322	GLN	3.0
1	A	147	ILE	3.0
1	D	304	THR	3.0
1	E	179	GLY	3.0
1	E	327	THR	3.0
1	F	133	ARG	3.0
1	F	203	ILE	3.0
1	C	24	TRP	3.0

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Mol	Chain	Res	Type	RSRZ
1	B	263	SER	3.0
1	E	190	SER	3.0
1	E	307	SER	3.0
1	E	136	HIS	3.0
1	B	321	TYR	3.0
1	F	80	ASP	3.0
1	D	191	ILE	3.0
1	F	113	ILE	3.0
1	F	184	MET	3.0
1	A	276	GLY	3.0
1	F	75	ALA	3.0
1	F	336	PHE	3.0
1	B	361	LEU	3.0
1	A	49	SER	3.0
1	A	154	GLU	3.0
1	A	383	CYS	3.0
1	D	123	PRO	3.0
1	D	285	GLN	3.0
1	C	224	ARG	3.0
1	E	269	MET	3.0
1	A	261	ILE	3.0
1	A	312	GLY	3.0
1	B	373	GLY	3.0
1	D	53	THR	3.0
1	D	288	GLY	3.0
1	D	400	ALA	3.0
1	C	207	LEU	2.9
1	E	342	LEU	2.9
1	F	361	LEU	2.9
1	C	192	GLU	2.9
1	A	280	SER	2.9
1	C	95	SER	2.9
1	C	240	LYS	2.9
1	F	159	PRO	2.9
1	F	331	SER	2.9
1	F	407	LYS	2.9
1	D	274	TYR	2.9
1	E	248	TYR	2.9
1	D	20	THR	2.9
1	C	390	ALA	2.9
1	D	183	ALA	2.9
1	D	205	LYS	2.9

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Mol	Chain	Res	Type	RSRZ
1	C	93	TRP	2.9
1	C	334	SER	2.9
1	D	411	SER	2.9
1	C	259	GLN	2.9
1	E	74	CYS	2.9
1	E	133	ARG	2.9
1	B	185	TYR	2.9
1	D	301	ASP	2.9
1	B	217	ILE	2.9
1	C	106	GLY	2.9
1	C	266	GLY	2.9
1	E	193	GLY	2.9
1	C	304	THR	2.9
1	F	327	THR	2.9
1	F	258	ALA	2.9
1	B	11	VAL	2.9
1	C	287	PHE	2.9
1	F	114	VAL	2.9
1	E	354	LEU	2.9
1	C	206	LYS	2.9
1	C	377	LYS	2.9
1	D	192	GLU	2.9
1	E	4	LYS	2.9
1	E	320	LYS	2.9
1	E	403	LYS	2.9
1	F	325	GLU	2.9
1	C	34	PRO	2.9
1	F	83	ARG	2.9
1	B	208	ASN	2.9
1	A	129	ILE	2.9
1	C	301	ASP	2.9
1	E	274	TYR	2.9
1	F	42	TYR	2.9
1	F	254	ASP	2.9
1	A	393	THR	2.9
1	D	143	THR	2.9
1	F	107	THR	2.9
1	E	270	ALA	2.9
1	D	240	LYS	2.9
1	F	73	LYS	2.9
1	E	326	GLU	2.9
1	A	34	PRO	2.9

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Mol	Chain	Res	Type	RSRZ
1	B	162	PRO	2.9
1	C	60	ASP	2.9
1	D	254	ASP	2.9
1	C	364	ALA	2.9
1	C	108	VAL	2.9
1	C	229	PHE	2.9
1	C	352	PRO	2.8
1	F	269	MET	2.8
1	C	9	GLN	2.8
1	E	289	SER	2.8
1	A	385	ASN	2.8
1	B	23	ILE	2.8
1	E	91	LYS	2.8
1	D	379	LEU	2.8
1	E	292	LEU	2.8
1	A	70	VAL	2.8
1	A	314	VAL	2.8
1	C	241	PHE	2.8
1	B	126	GLU	2.8
1	D	293	MET	2.8
1	C	404	ARG	2.8
1	A	332	ILE	2.8
1	C	363	SER	2.8
1	E	217	ILE	2.8
1	F	272	LYS	2.8
1	D	36	LEU	2.8
1	C	109	PHE	2.8
1	E	13	GLU	2.8
1	F	110	ARG	2.8
1	A	328	SER	2.8
1	B	344	LYS	2.8
1	C	338	TRP	2.8
1	A	384	GLY	2.8
1	A	25	ASP	2.8
1	C	361	LEU	2.8
1	D	211	LEU	2.8
1	E	256	MET	2.8
1	D	262	LYS	2.8
1	E	264	LYS	2.8
1	E	22	ILE	2.8
1	E	295	SER	2.8
1	A	273	ASN	2.8

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Mol	Chain	Res	Type	RSRZ
1	B	324	GLY	2.8
1	C	137	GLY	2.8
1	C	384	GLY	2.8
1	D	122	VAL	2.8
1	D	329	THR	2.8
1	D	351	THR	2.8
1	F	394	THR	2.8
1	F	305	PHE	2.8
1	F	35	TYR	2.8
1	B	159	PRO	2.7
1	D	259	GLN	2.7
1	B	30	LYS	2.7
1	B	320	LYS	2.7
1	C	73	LYS	2.7
1	B	22	ILE	2.7
1	A	95	SER	2.7
1	D	363	SER	2.7
1	B	90	HIS	2.7
1	D	250	HIS	2.7
1	B	255	ASP	2.7
1	B	326	GLU	2.7
1	D	399	ASP	2.7
1	E	52	ALA	2.7
1	E	78	THR	2.7
1	E	107	THR	2.7
1	F	326	GLU	2.7
1	B	357	PHE	2.7
1	F	173	TYR	2.7
1	F	274	TYR	2.7
1	A	168	GLN	2.7
1	C	139	GLN	2.7
1	B	323	LYS	2.7
1	E	223	GLY	2.7
1	F	49	SER	2.7
1	F	95	SER	2.7
1	A	317	HIS	2.7
1	A	306	GLU	2.7
1	B	362	GLU	2.7
1	D	111	GLU	2.7
1	F	48	GLU	2.7
1	A	183	ALA	2.7
1	B	351	THR	2.7

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Mol	Chain	Res	Type	RSRZ
1	B	364	ALA	2.7
1	E	283	VAL	2.7
1	F	124	ARG	2.7
1	F	310	ALA	2.7
1	B	68	TYR	2.7
1	B	118	ILE	2.7
1	E	335	ILE	2.7
1	D	405	LEU	2.7
1	C	212	SER	2.7
1	D	341	GLY	2.7
1	E	48	GLU	2.7
1	B	382	ALA	2.7
1	F	376	THR	2.7
1	D	8	LYS	2.7
1	E	219	LYS	2.7
1	F	322	GLN	2.7
1	D	65	ILE	2.7
1	D	72	ILE	2.7
1	D	100	ILE	2.7
1	F	405	LEU	2.7
1	A	105	GLY	2.7
1	B	251	ARG	2.7
1	B	291	GLY	2.7
1	C	331	SER	2.7
1	F	126	GLU	2.7
1	A	94	LYS	2.7
1	A	194	PHE	2.7
1	D	294	THR	2.7
1	F	181	ALA	2.7
1	B	37	ASP	2.7
1	D	150	PRO	2.7
1	F	17	ASP	2.7
1	D	375	MET	2.6
1	E	90	HIS	2.6
1	C	395	GLU	2.6
1	A	377	LYS	2.6
1	E	56	LYS	2.6
1	B	389	SER	2.6
1	A	376	THR	2.6
1	C	299	THR	2.6
1	F	294	THR	2.6
1	C	227	ASP	2.6

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Mol	Chain	Res	Type	RSRZ
1	E	277	ASP	2.6
1	B	256	MET	2.6
1	C	77	ILE	2.6
1	C	271	LEU	2.6
1	C	398	LEU	2.6
1	F	211	LEU	2.6
1	A	106	GLY	2.6
1	D	193	GLY	2.6
1	F	86	GLU	2.6
1	A	47	VAL	2.6
1	C	122	VAL	2.6
1	D	24	TRP	2.6
1	D	210	PHE	2.6
1	D	353	ALA	2.6
1	E	229	PHE	2.6
1	D	37	ASP	2.6
1	B	268	ILE	2.6
1	B	157	TYR	2.6
1	E	317	HIS	2.6
1	F	67	LYS	2.6
1	C	112	PRO	2.6
1	C	186	ASN	2.6
1	D	96	PRO	2.6
1	C	53	THR	2.6
1	A	60	ASP	2.6
1	F	25	ASP	2.6
1	A	19	MET	2.6
1	B	360	ILE	2.6
1	C	261	ILE	2.6
1	F	335	ILE	2.6
1	B	43	TYR	2.6
1	E	319	ARG	2.6
1	E	404	ARG	2.6
1	D	264	LYS	2.6
1	E	29	LYS	2.6
1	F	56	LYS	2.6
1	A	288	GLY	2.6
1	E	324	GLY	2.6
1	D	352	PRO	2.6
1	F	34	PRO	2.6
1	F	112	PRO	2.6
1	C	368	THR	2.5

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Mol	Chain	Res	Type	RSRZ
1	D	95	SER	2.5
1	B	147	ILE	2.5
1	A	120	ARG	2.5
1	E	26	LYS	2.5
1	E	73	LYS	2.5
1	A	81	GLU	2.5
1	E	106	GLY	2.5
1	B	267	PHE	2.5
1	F	380	ALA	2.5
1	A	330	ASN	2.5
1	C	208	ASN	2.5
1	E	99	THR	2.5
1	C	144	ASP	2.5
1	A	268	ILE	2.5
1	A	155	LEU	2.5
1	C	362	GLU	2.5
1	C	397	PHE	2.5
1	B	184	MET	2.5
1	C	293	MET	2.5
1	A	54	SER	2.5
1	F	328	SER	2.5
1	C	303	LYS	2.5
1	F	6	LYS	2.5
1	F	44	ASP	2.5
1	F	332	ILE	2.5
1	B	297	LEU	2.5
1	C	311	HIS	2.5
1	E	9	GLN	2.5
1	E	400	ALA	2.5
1	F	225	PHE	2.5
1	F	357	PHE	2.5
1	B	213	THR	2.5
1	B	95	SER	2.5
1	B	354	LEU	2.5
1	C	282	ILE	2.5
1	C	292	LEU	2.5
1	D	207	LEU	2.5
1	E	5	ILE	2.5
1	F	50	ARG	2.5
1	E	204	ASP	2.5
1	F	255	ASP	2.5
1	C	18	GLU	2.5

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Mol	Chain	Res	Type	RSRZ
1	F	341	GLY	2.5
1	F	41	LYS	2.4
1	A	33	LEU	2.4
1	D	261	ILE	2.4
1	E	128	PRO	2.4
1	A	59	GLN	2.4
1	B	29	LYS	2.4
1	B	70	VAL	2.4
1	B	226	LYS	2.4
1	E	85	LYS	2.4
1	A	345	ARG	2.4
1	C	58	THR	2.4
1	E	50	ARG	2.4
1	B	386	ASN	2.4
1	F	359	ASN	2.4
1	B	197	SER	2.4
1	F	263	SER	2.4
1	B	93	TRP	2.4
1	B	91	LYS	2.4
1	E	87	PHE	2.4
1	E	120	ARG	2.4
1	E	340	ARG	2.4
1	F	358	ALA	2.4
1	A	57	ILE	2.4
1	A	366	LEU	2.4
1	D	289	SER	2.4
1	C	349	ASP	2.4
1	B	355	CYS	2.4
1	C	86	GLU	2.4
1	D	338	TRP	2.4
1	C	182	MET	2.4
1	A	266	GLY	2.4
1	C	79	PRO	2.4
1	D	6	LYS	2.4
1	D	127	LYS	2.4
1	C	7	VAL	2.4
1	E	47	VAL	2.4
1	F	84	VAL	2.4
1	A	146	LEU	2.4
1	A	207	LEU	2.4
1	A	405	LEU	2.4
1	D	23	ILE	2.4

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Mol	Chain	Res	Type	RSRZ
1	E	23	ILE	2.4
1	F	63	GLU	2.4
1	F	295	SER	2.4
1	B	73	LYS	2.4
1	E	220	LYS	2.4
1	E	34	PRO	2.4
1	E	105	GLY	2.4
1	C	84	VAL	2.4
1	D	70	VAL	2.4
1	A	258	ALA	2.4
1	C	353	ALA	2.4
1	E	195	ALA	2.4
1	E	310	ALA	2.4
1	A	381	LEU	2.3
1	B	140	TYR	2.3
1	F	366	LEU	2.3
1	C	115	ILE	2.3
1	D	217	ILE	2.3
1	A	315	THR	2.3
1	B	395	GLU	2.3
1	C	295	SER	2.3
1	A	279	GLN	2.3
1	D	9	GLN	2.3
1	F	265	GLY	2.3
1	F	108	VAL	2.3
1	E	258	ALA	2.3
1	C	145	THR	2.3
1	C	219	LYS	2.3
1	D	272	LYS	2.3
1	C	280	SER	2.3
1	F	389	SER	2.3
1	D	370	GLN	2.3
1	E	314	VAL	2.3
1	A	45	LEU	2.3
1	A	379	LEU	2.3
1	E	357	PHE	2.3
1	D	246	ILE	2.3
1	E	247	HIS	2.3
1	B	143	THR	2.3
1	B	28	LYS	2.3
1	B	260	MET	2.3
1	E	262	LYS	2.3

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Mol	Chain	Res	Type	RSRZ
1	C	161	ASP	2.3
1	C	255	ASP	2.3
1	D	280	SER	2.3
1	F	224	ARG	2.3
1	C	265	GLY	2.3
1	E	71	GLY	2.3
1	D	12	VAL	2.3
1	A	290	LEU	2.3
1	D	287	PHE	2.3
1	E	209	LEU	2.3
1	D	113	ILE	2.3
1	E	181	ALA	2.3
1	F	191	ILE	2.3
1	F	337	ALA	2.3
1	E	145	THR	2.3
1	B	330	ASN	2.3
1	B	227	ASP	2.3
1	B	277	ASP	2.3
1	B	331	SER	2.3
1	C	50	ARG	2.3
1	C	300	PRO	2.3
1	C	340	ARG	2.3
1	F	277	ASP	2.3
1	F	338	TRP	2.3
1	C	379	LEU	2.3
1	D	252	LEU	2.3
1	F	47	VAL	2.3
1	F	109	PHE	2.3
1	F	103	ILE	2.2
1	E	205	LYS	2.2
1	F	403	LYS	2.2
1	D	42	TYR	2.2
1	B	101	ARG	2.2
1	B	254	ASP	2.2
1	F	291	GLY	2.2
1	A	156	VAL	2.2
1	E	14	LEU	2.2
1	F	344	LYS	2.2
1	E	312	GLY	2.2
1	D	238	LYS	2.2
1	F	314	VAL	2.2
1	A	267	PHE	2.2

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Mol	Chain	Res	Type	RSRZ
1	B	335	ILE	2.2
1	D	269	MET	2.2
1	D	282	ILE	2.2
1	E	336	PHE	2.2
1	A	313	THR	2.2
1	B	365	THR	2.2
1	A	117	ARG	2.2
1	C	185	TYR	2.2
1	A	158	LYS	2.2
1	B	280	SER	2.2
1	B	289	SER	2.2
1	E	15	ASP	2.2
1	C	332	ILE	2.2
1	D	229	PHE	2.2
1	B	306	GLU	2.2
1	E	362	GLU	2.2
1	D	216	THR	2.2
1	F	76	THR	2.2
1	B	21	ARG	2.2
1	F	273	ASN	2.2
1	B	322	GLN	2.2
1	A	85	LYS	2.2
1	D	73	LYS	2.2
1	B	378	ASP	2.2
1	B	115	ILE	2.2
1	C	12	VAL	2.2
1	C	336	PHE	2.2
1	B	325	GLU	2.1
1	B	387	GLU	2.1
1	F	329	THR	2.1
1	D	355	CYS	2.1
1	A	167	PRO	2.1
1	E	127	LYS	2.1
1	B	211	LEU	2.1
1	D	286	GLY	2.1
1	F	312	GLY	2.1
1	C	46	SER	2.1
1	B	63	GLU	2.1
1	C	101	ARG	2.1
1	F	21	ARG	2.1
1	C	315	THR	2.1
1	F	365	THR	2.1

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Mol	Chain	Res	Type	RSRZ
1	A	214	LYS	2.1
1	A	272	LYS	2.1
1	C	66	LYS	2.1
1	F	30	LYS	2.1
1	A	342	LEU	2.1
1	C	289	SER	2.1
1	D	357	PHE	2.1
1	E	49	SER	2.1
1	E	183	ALA	2.1
1	F	353	ALA	2.1
1	B	329	THR	2.1
1	C	216	THR	2.1
1	E	315	THR	2.1
1	F	216	THR	2.1
1	B	219	LYS	2.1
1	B	209	LEU	2.1
1	C	178	SER	2.1
1	C	396	GLU	2.1
1	F	162	PRO	2.1
1	A	406	GLN	2.1
1	B	149	GLY	2.1
1	E	373	GLY	2.1
1	A	103	ILE	2.1
1	B	57	ILE	2.1
1	C	232	VAL	2.1
1	A	83	ARG	2.0
1	B	372	ASP	2.0
1	E	241	PHE	2.1
1	E	110	ARG	2.0
1	F	404	ARG	2.0
1	F	390	ALA	2.0
1	B	186	ASN	2.0
1	E	266	GLY	2.0
1	F	18	GLU	2.0
1	F	397	PHE	2.0
1	D	206	LYS	2.0
1	F	115	ILE	2.0

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

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

6.3 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.4 Ligands (i)

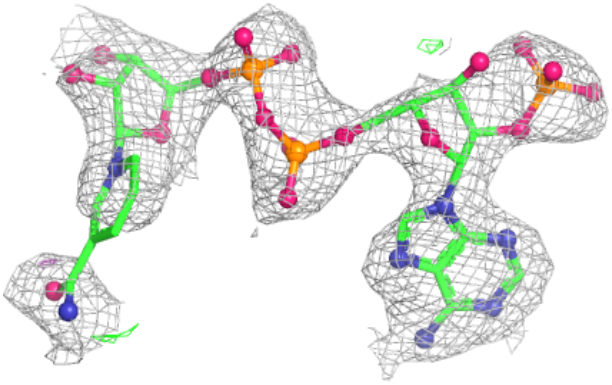
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95^{th} percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

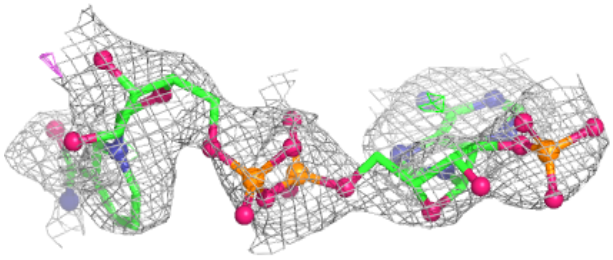
Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å^2)	Q<0.9
4	AKG	B	1202	10/10	0.60	0.43	62,67,71,72	0
4	AKG	A	1102	10/10	0.62	0.27	76,82,84,86	0
2	CA	A	1103	1/1	0.71	0.14	64,64,64,64	0
4	AKG	F	1602	10/10	0.73	0.22	59,65,67,69	0
4	AKG	C	1302	10/10	0.74	0.34	65,69,72,72	0
2	CA	F	1603	1/1	0.76	0.13	65,65,65,65	0
4	AKG	E	1502	10/10	0.76	0.27	69,77,80,80	0
3	NDP	B	1201	48/48	0.76	0.28	53,61,70,75	0
4	AKG	D	1402	10/10	0.77	0.22	51,64,67,69	0
3	NDP	E	1501	48/48	0.79	0.23	42,59,66,69	0
3	NDP	D	1401	48/48	0.81	0.20	48,54,61,67	0
3	NDP	F	1601	48/48	0.84	0.18	39,55,61,65	0
3	NDP	C	1301	48/48	0.86	0.19	38,44,48,55	0
3	NDP	A	1101	48/48	0.86	0.16	39,50,55,59	0
2	CA	E	1503	1/1	0.87	0.14	60,60,60,60	0
2	CA	D	1403	1/1	0.90	0.10	65,65,65,65	0
2	CA	B	1203	1/1	0.92	0.20	68,68,68,68	0
2	CA	C	1303	1/1	0.97	0.19	54,54,54,54	0

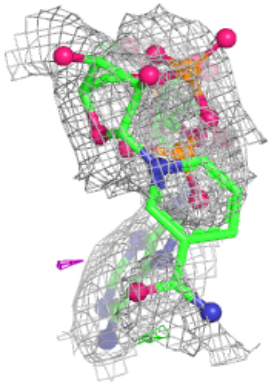
The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

Electron density around NDP B 1201:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

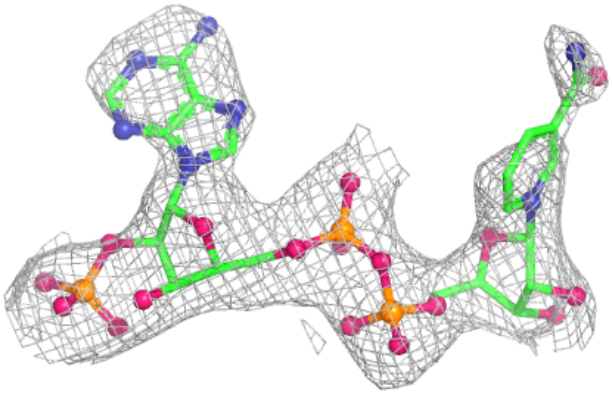


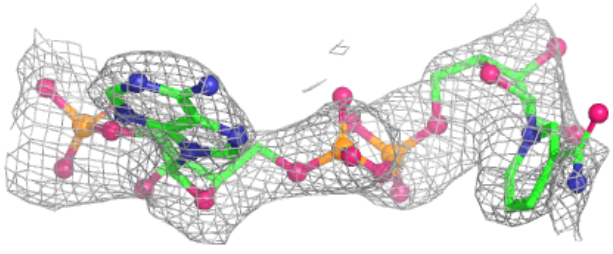


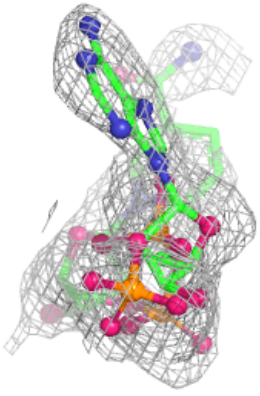


Electron density around NDP E 1501:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

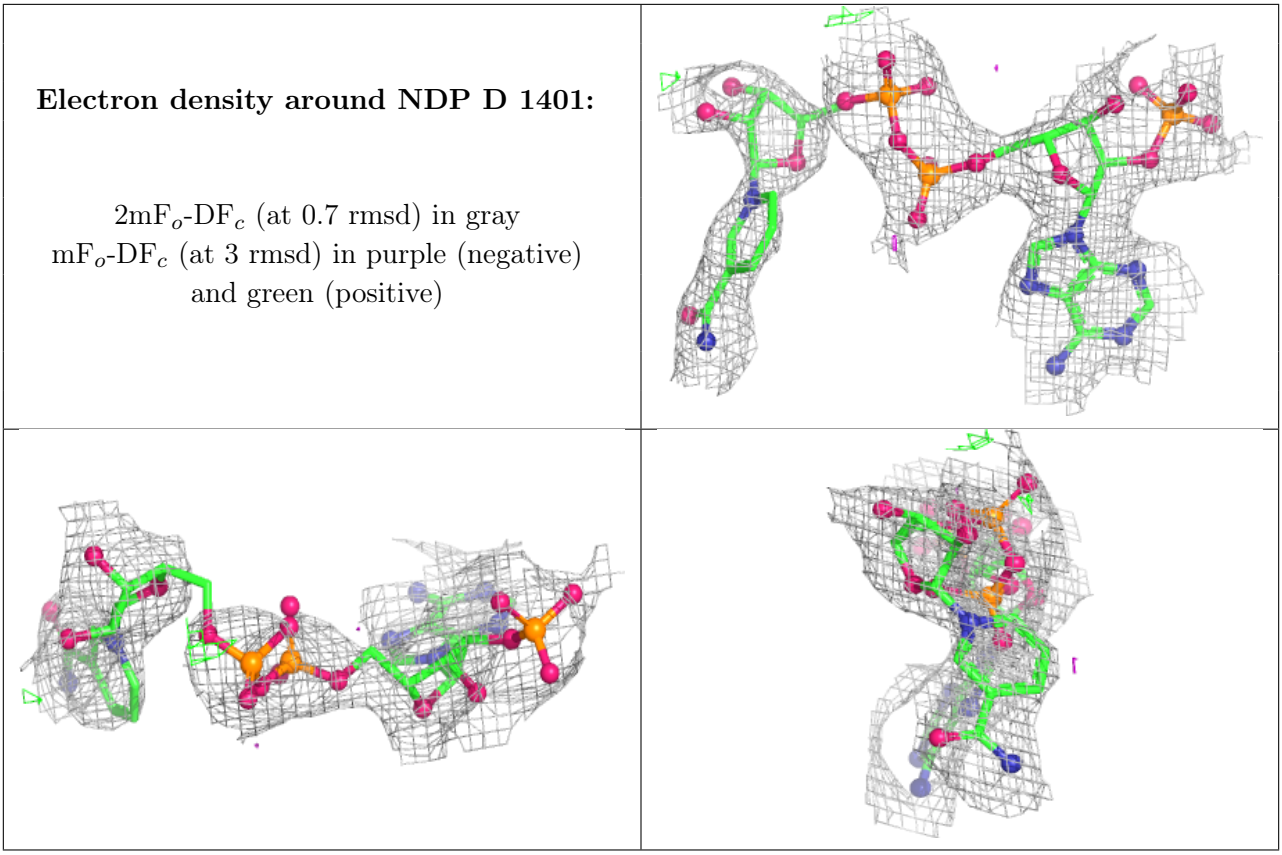






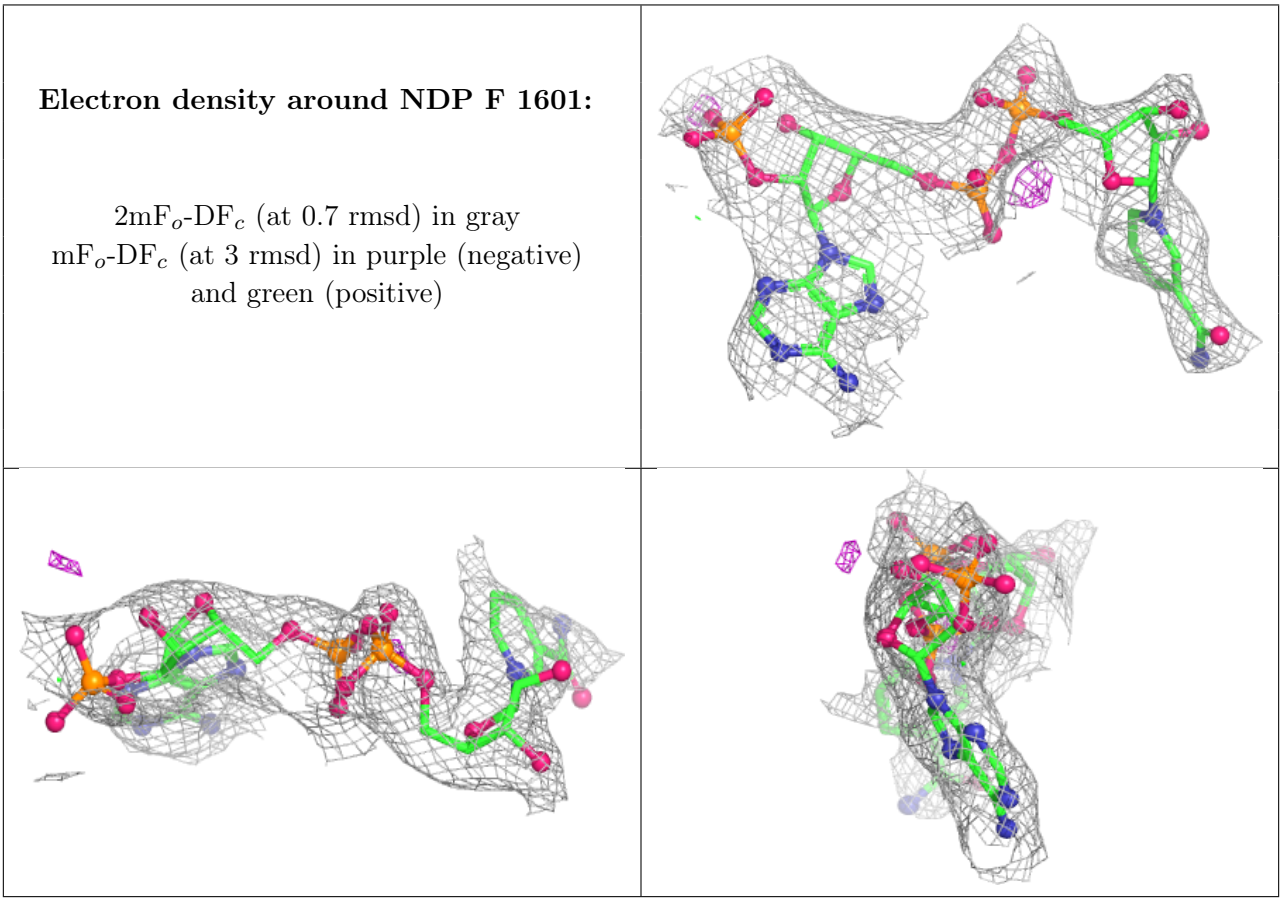
Electron density around NDP D 1401:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)



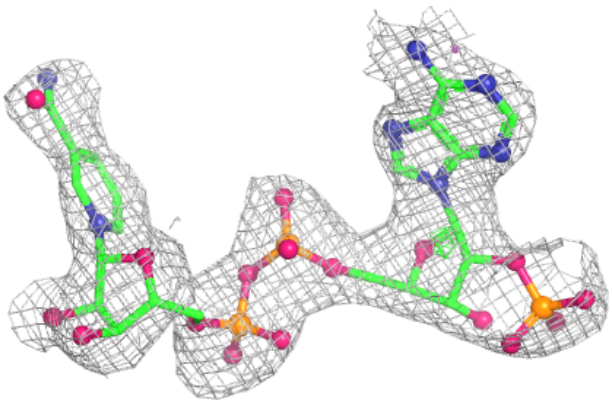
Electron density around NDP F 1601:

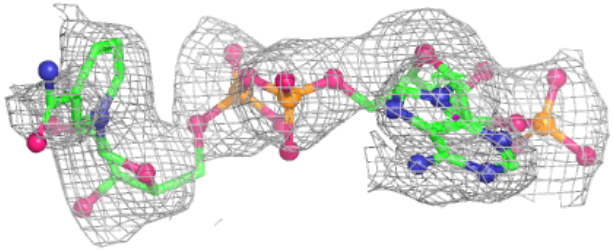
$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

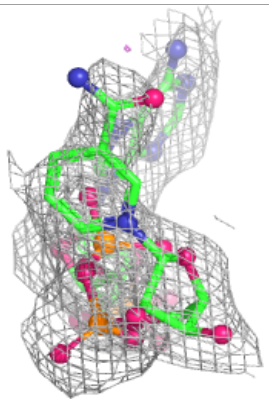


Electron density around NDP C 1301:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)

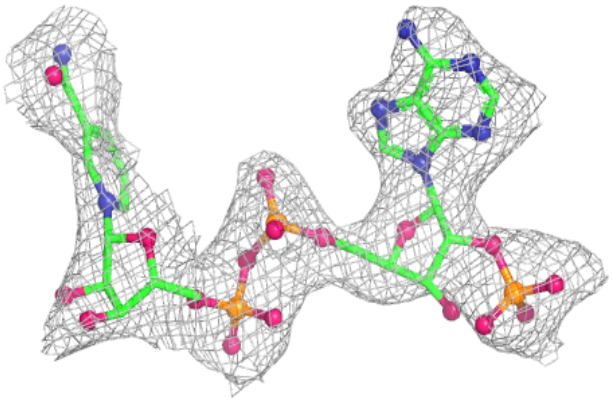


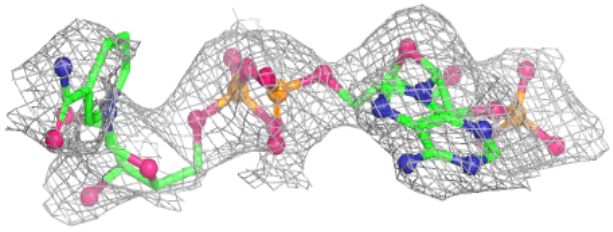


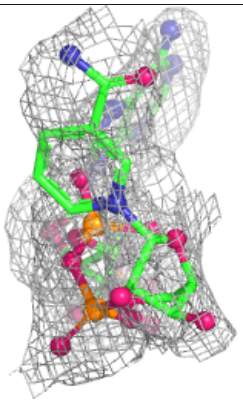


Electron density around NDP A 1101:

$2mF_o$-DF_c (at 0.7 rmsd) in gray
mF_o-DF_c (at 3 rmsd) in purple (negative) and green (positive)







6.5 Other polymers (i)

There are no such residues in this entry.