



Full wwPDB X-ray Structure Validation Report ⓘ

May 16, 2020 – 05:02 am BST

PDB ID : 5COD
Title : Bovine heart complex I membrane domain
Authors : Zhu, J.; Hirst, J.; King, M.S.; Yu, M.; Leslie, A.G.W.; Klipcan, L.
Deposited on : 2015-07-20
Resolution : 6.74 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 following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Xtriage (Phenix) : 1.13
EDS : 2.11
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
Refmac : 5.8.0158
CCP4 : 7.0.044 (Gargrove)
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.11

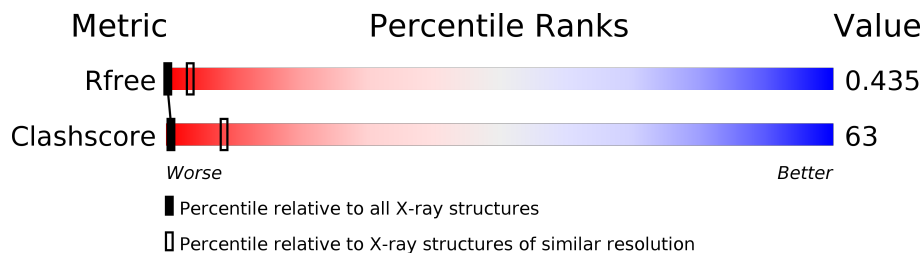
1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 6.74 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.








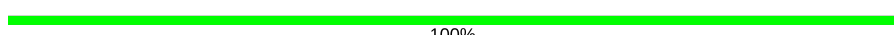
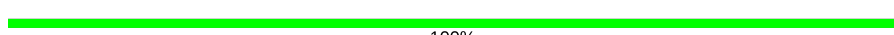




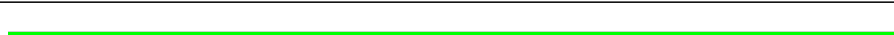


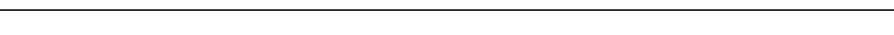
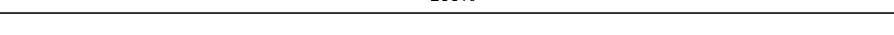
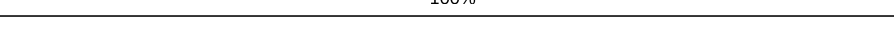
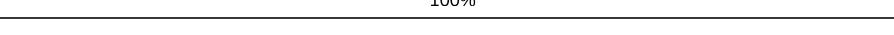
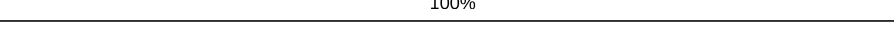
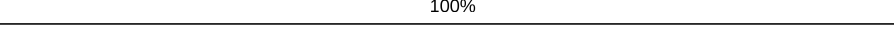
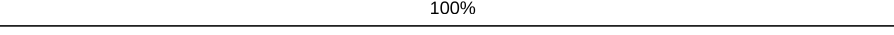
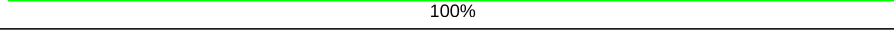
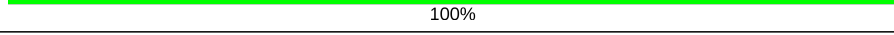
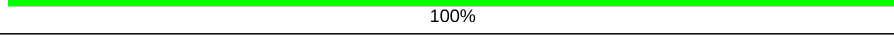
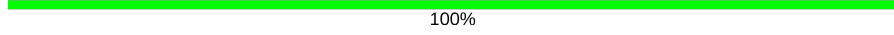
Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	130704	1002 (9.50-3.90)
Clashscore	141614	1066 (9.50-3.90)

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 on 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 $\leq 5\%$.

Mol	Chain	Length	Quality of chain		
1	L1	606	44%	37%	19%
1	L2	606	43%	38%	19%
1	L3	606	44%	37%	19%
1	L4	606	43%	38%	19%
1	L5	606	43%	38%	19%
1	L6	606	44%	37%	19%
2	M1	459	48%	47%	.
2	M2	459	47%	49%	.
2	M3	459	48%	48%	.
















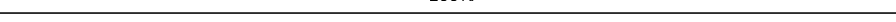
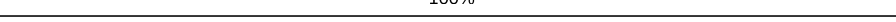
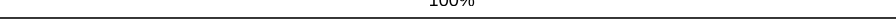
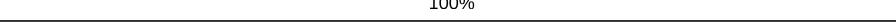
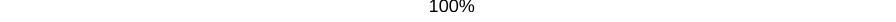
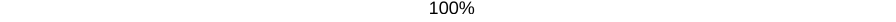
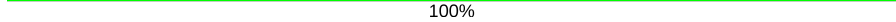



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Mol	Chain	Length	Quality of chain
2	M4	459	 47% 48%
2	M5	459	 48% 47%
2	M6	459	 48% 47%
3	f1	30	 100%
3	f2	30	 100%
3	f3	30	 100%
3	f4	30	 100%
3	f5	30	 100%
3	f6	30	 100%
3	h1	30	 100%
3	h2	30	 100%
3	h3	30	 100%
3	h4	30	 100%
3	h5	30	 100%
3	h6	30	 100%
3	i1	30	 100%
3	i2	30	 100%
3	i3	30	 100%
3	i4	30	 100%
3	i5	30	 100%
3	i6	30	 100%
4	g1	22	 100%
4	g2	22	 100%
4	g3	22	 100%
4	g4	22	 100%


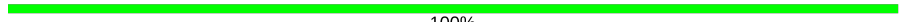











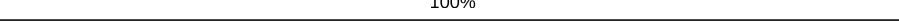
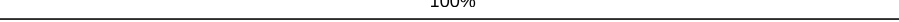
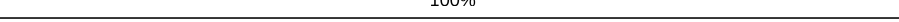
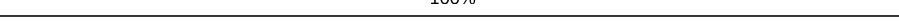
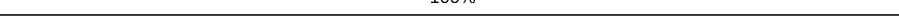
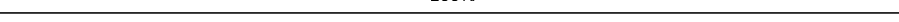



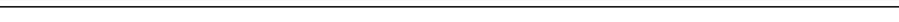


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Mol	Chain	Length	Quality of chain
4	g5	22	 100%
4	g6	22	 100%
5	j1	28	 100%
5	j2	28	 100%
5	j3	28	 100%
5	j4	28	 100%
5	j5	28	 100%
5	j6	28	 100%
5	k1	28	 100%
5	k2	28	 100%
5	k3	28	 100%
5	k4	28	 100%
5	k5	28	 100%
5	k6	28	 100%
5	p1	28	 100%
5	p2	28	 100%
5	p3	28	 100%
5	p4	28	 100%
5	p5	28	 100%
5	p6	28	 100%
5	s1	28	 100%
5	s2	28	 100%
5	s3	28	 100%
5	s4	28	 100%
5	s5	28	 100%





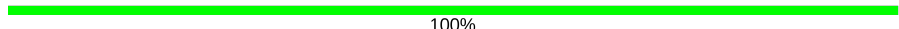







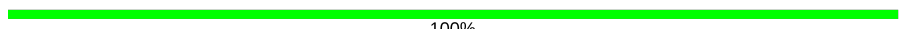
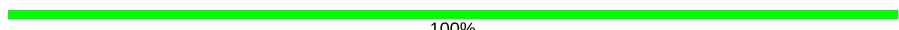
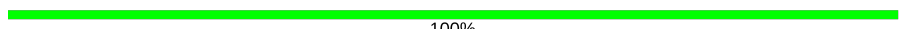


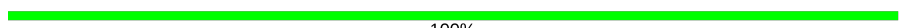

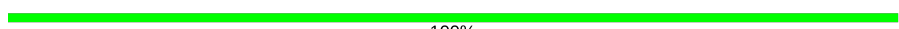
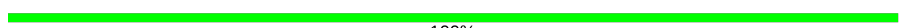

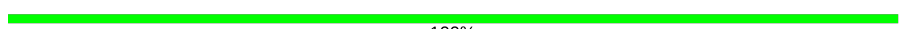


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Mol	Chain	Length	Quality of chain
5	s6	28	 100%
6	l1	13	 100%
6	l2	13	 100%
6	l3	13	 100%
6	l4	13	 100%
6	l5	13	 100%
6	l6	13	 100%
7	U1	88	 55% 31% 15%
7	U2	88	 57% 28% 15%
7	U3	88	 55% 31% 15%
7	U4	88	 57% 28% 15%
7	U5	88	 55% 31% 15%
7	U6	88	 57% 28% 15%
8	n1	59	 100%
8	n2	59	 100%
8	n3	59	 100%
8	n4	59	 100%
8	n5	59	 100%
8	n6	59	 100%
9	o1	21	 100%
9	o2	21	 100%
9	o3	21	 100%
9	o4	21	 100%
9	o5	21	 100%
9	o6	21	 100%

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Mol	Chain	Length	Quality of chain
10	t1	57	 100%
10	t2	57	 100%
10	t3	57	 100%
10	t4	57	 100%
10	t5	57	 100%
10	t6	57	 100%
11	u1	15	 100%
11	u2	15	 100%
11	u3	15	 100%
11	u4	15	 100%
11	u5	15	 100%
11	u6	15	 100%
12	v1	32	 100%
12	v2	32	 100%
12	v3	32	 100%
12	v4	32	 100%
12	v5	32	 100%
12	v6	32	 100%
13	w1	27	 100%
13	w2	27	 100%
13	w3	27	 100%
13	w4	27	 100%
13	w5	27	 100%
13	w6	27	 100%
14	BA	146	 85% 14%

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Mol	Chain	Length	Quality of chain
14	BB	146	 86% 13%
14	BC	146	 84% 15%
14	BD	146	 84% 15%
14	BE	146	 83% 16%
14	BF	146	 86% 14%

2 Entry composition [i](#)

There are 14 unique types of molecules in this entry. The entry contains 48030 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 NADH-ubiquinone oxidoreductase chain 5.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
1	L1	493	2465	1479	493	493	0	0	0
1	L2	493	2465	1479	493	493	0	0	0
1	L3	493	2465	1479	493	493	0	0	0
1	L4	493	2465	1479	493	493	0	0	0
1	L5	493	2465	1479	493	493	0	0	0
1	L6	493	2465	1479	493	493	0	0	0

- Molecule 2 is a protein called NADH-ubiquinone oxidoreductase chain 4.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
2	M1	439	2195	1317	439	439	0	0	0
2	M2	439	2195	1317	439	439	0	0	0
2	M3	439	2195	1317	439	439	0	0	0
2	M4	439	2195	1317	439	439	0	0	0
2	M5	439	2195	1317	439	439	0	0	0
2	M6	439	2195	1317	439	439	0	0	0

- Molecule 3 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
3	f1	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	h1	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	i1	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	f2	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	h2	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	i2	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	f3	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	h3	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	i3	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	f4	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	h4	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	i4	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	f5	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	h5	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	i5	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	f6	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	h6	30	Total	C	N	O	0	0	0
			150	90	30	30			
3	i6	30	Total	C	N	O	0	0	0
			150	90	30	30			

- Molecule 4 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
4	g1	22	Total	C	N	O	0	0	0
			110	66	22	22			
4	g2	22	Total	C	N	O	0	0	0
			110	66	22	22			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
4	g3	22	110	66	22	22	0	0	0
4	g4	22	110	66	22	22	0	0	0
4	g5	22	110	66	22	22	0	0	0
4	g6	22	110	66	22	22	0	0	0

- Molecule 5 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
			Total	C	N	O			
5	j1	28	140	84	28	28	0	0	0
5	k1	28	140	84	28	28	0	0	0
5	p1	28	140	84	28	28	0	0	0
5	s1	28	140	84	28	28	0	0	0
5	j2	28	140	84	28	28	0	0	0
5	k2	28	140	84	28	28	0	0	0
5	p2	28	140	84	28	28	0	0	0
5	s2	28	140	84	28	28	0	0	0
5	j3	28	140	84	28	28	0	0	0
5	k3	28	140	84	28	28	0	0	0
5	p3	28	140	84	28	28	0	0	0
5	s3	28	140	84	28	28	0	0	0
5	j4	28	140	84	28	28	0	0	0
5	k4	28	140	84	28	28	0	0	0
5	p4	28	140	84	28	28	0	0	0

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
5	s4	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	j5	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	k5	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	p5	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	s5	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	j6	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	k6	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	p6	28	Total	C	N	O	0	0	0
			140	84	28	28			
5	s6	28	Total	C	N	O	0	0	0
			140	84	28	28			

- Molecule 6 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
6	11	13	Total	C	N	O	0	0	0
			65	39	13	13			
6	12	13	Total	C	N	O	0	0	0
			65	39	13	13			
6	13	13	Total	C	N	O	0	0	0
			65	39	13	13			
6	14	13	Total	C	N	O	0	0	0
			65	39	13	13			
6	15	13	Total	C	N	O	0	0	0
			65	39	13	13			
6	16	13	Total	C	N	O	0	0	0
			65	39	13	13			

- Molecule 7 is a protein called SDAP.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
7	U1	75	Total	C	N	O	0	0	0
			375	225	75	75			
7	U2	75	Total	C	N	O	0	0	0
			375	225	75	75			

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Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
7	U3	75	Total	C	N	O	0	0	0
			375	225	75	75			
7	U4	75	Total	C	N	O	0	0	0
			375	225	75	75			
7	U5	75	Total	C	N	O	0	0	0
			375	225	75	75			
7	U6	75	Total	C	N	O	0	0	0
			375	225	75	75			

- Molecule 8 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
8	n1	59	Total	C	N	O	0	0	0
			295	177	59	59			
8	n2	59	Total	C	N	O	0	0	0
			295	177	59	59			
8	n3	59	Total	C	N	O	0	0	0
			295	177	59	59			
8	n4	59	Total	C	N	O	0	0	0
			295	177	59	59			
8	n5	59	Total	C	N	O	0	0	0
			295	177	59	59			
8	n6	59	Total	C	N	O	0	0	0
			295	177	59	59			

- Molecule 9 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
9	o1	21	Total	C	N	O	0	0	0
			105	63	21	21			
9	o2	21	Total	C	N	O	0	0	0
			105	63	21	21			
9	o3	21	Total	C	N	O	0	0	0
			105	63	21	21			
9	o4	21	Total	C	N	O	0	0	0
			105	63	21	21			
9	o5	21	Total	C	N	O	0	0	0
			105	63	21	21			
9	o6	21	Total	C	N	O	0	0	0
			105	63	21	21			

- Molecule 10 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
10	t1	57	Total	C	N	O	0	0	0
			285	171	57	57			
10	t2	57	Total	C	N	O	0	0	0
			285	171	57	57			
10	t3	57	Total	C	N	O	0	0	0
			285	171	57	57			
10	t4	57	Total	C	N	O	0	0	0
			285	171	57	57			
10	t5	57	Total	C	N	O	0	0	0
			285	171	57	57			
10	t6	57	Total	C	N	O	0	0	0
			285	171	57	57			

- Molecule 11 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
11	u1	15	Total	C	N	O	0	0	0
			75	45	15	15			
11	u2	15	Total	C	N	O	0	0	0
			75	45	15	15			
11	u3	15	Total	C	N	O	0	0	0
			75	45	15	15			
11	u4	15	Total	C	N	O	0	0	0
			75	45	15	15			
11	u5	15	Total	C	N	O	0	0	0
			75	45	15	15			
11	u6	15	Total	C	N	O	0	0	0
			75	45	15	15			

- Molecule 12 is a protein called Unknown structure.

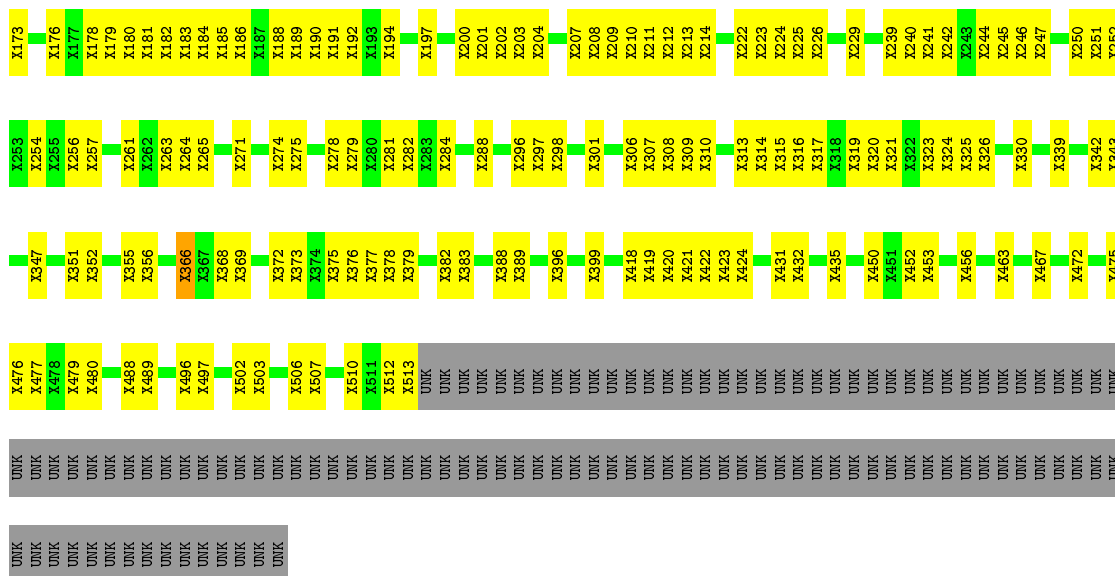
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
12	v1	32	Total	C	N	O	0	0	0
			160	96	32	32			
12	v2	32	Total	C	N	O	0	0	0
			160	96	32	32			
12	v3	32	Total	C	N	O	0	0	0
			160	96	32	32			
12	v4	32	Total	C	N	O	0	0	0
			160	96	32	32			
12	v5	32	Total	C	N	O	0	0	0
			160	96	32	32			
12	v6	32	Total	C	N	O	0	0	0
			160	96	32	32			

- Molecule 13 is a protein called Unknown structure.

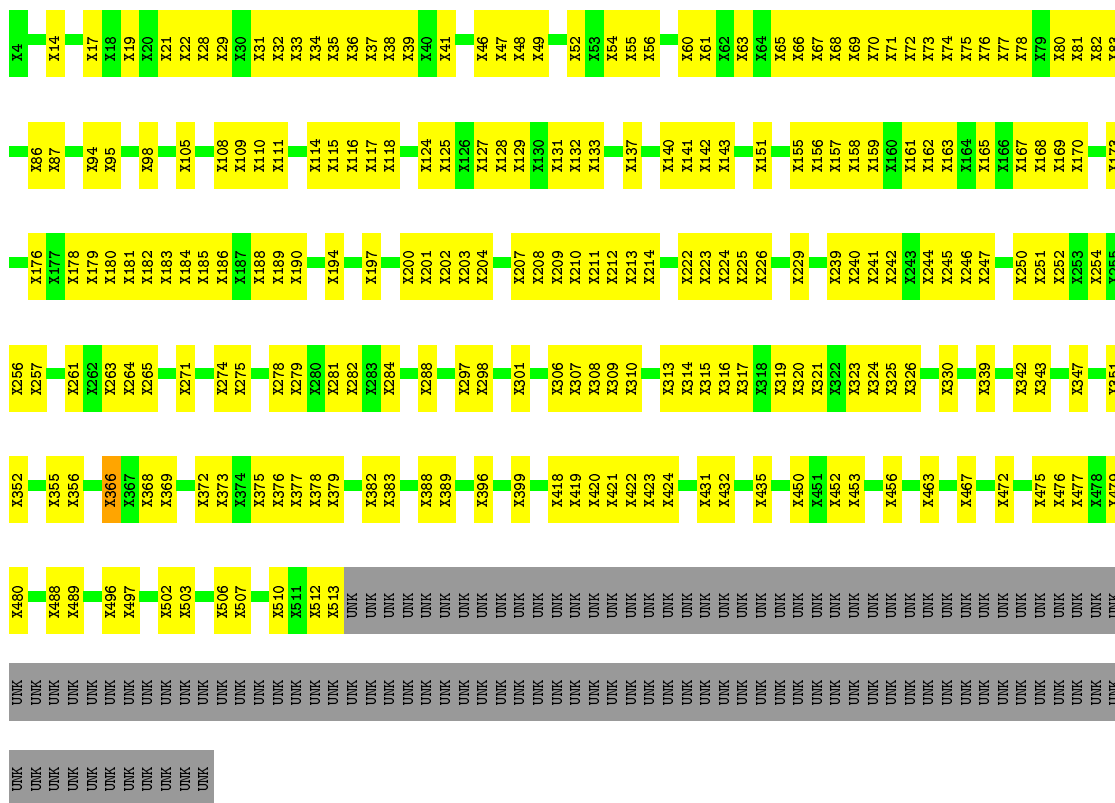
Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
13	w1	27	Total 135	C 81	N 27	O 27	0	0	0
13	w2	27	Total 135	C 81	N 27	O 27	0	0	0
13	w3	27	Total 135	C 81	N 27	O 27	0	0	0
13	w4	27	Total 135	C 81	N 27	O 27	0	0	0
13	w5	27	Total 135	C 81	N 27	O 27	0	0	0
13	w6	27	Total 135	C 81	N 27	O 27	0	0	0

- Molecule 14 is a protein called Unknown structure.

Mol	Chain	Residues	Atoms				ZeroOcc	AltConf	Trace
14	BA	146	Total 730	C 438	N 146	O 146	0	0	0
14	BB	146	Total 730	C 438	N 146	O 146	0	0	0
14	BC	146	Total 730	C 438	N 146	O 146	0	0	0
14	BD	146	Total 730	C 438	N 146	O 146	0	0	0
14	BE	146	Total 730	C 438	N 146	O 146	0	0	0
14	BF	146	Total 730	C 438	N 146	O 146	0	0	0



• Molecule 1: NADH-ubiquinone oxidoreductase chain 5



• Molecule 1: NADH-ubiquinone oxidoreductase chain 5



X4	X86	X176	X254	X351	X476	UNK	UNK
X14	X87	X177	X255	X352	X477	UNK	UNK
X17	X94	X178	X256	X353	X478	UNK	UNK
X18	X95	X179	X257	X354	X479	UNK	UNK
X19	X98	X180	X261	X355	X480	UNK	UNK
X20	X105	X181	X262	X356	X488	UNK	UNK
X21	X108	X182	X263	X366	X489	UNK	UNK
X22	X109	X183	X264	X367	X496	UNK	UNK
X28	X110	X184	X265	X368	X497	UNK	UNK
X29	X111	X185	X271	X369	X502	UNK	UNK
X30	X114	X186	X274	X372	X503	UNK	UNK
X31	X115	X187	X275	X373	X506	UNK	UNK
X32	X116	X188	X278	X374	X507	UNK	UNK
X33	X117	X189	X279	X375	X510	UNK	UNK
X34	X118	X190	X280	X376	X511	UNK	UNK
X35	X124	X191	X281	X377	X512	UNK	UNK
X36	X125	X192	X282	X378	X513	UNK	UNK
X37	X126	X193	X284	X379	UNK	UNK	UNK
X38	X127	X194	X288	X382	UNK	UNK	UNK
X39	X128	X197	X289	X383	UNK	UNK	UNK
X40	X129	X200	X297	X386	UNK	UNK	UNK
X41	X130	X201	X298	X387	UNK	UNK	UNK
X46	X131	X202	X301	X388	UNK	UNK	UNK
X47	X132	X203	X306	X389	UNK	UNK	UNK
X48	X133	X204	X307	X396	UNK	UNK	UNK
X49	X137	X207	X308	X399	UNK	UNK	UNK
X52	X140	X208	X309	X418	UNK	UNK	UNK
X53	X141	X209	X310	X419	UNK	UNK	UNK
X54	X142	X210	X313	X420	UNK	UNK	UNK
X55	X143	X211	X314	X421	UNK	UNK	UNK
X56	X144	X212	X315	X422	UNK	UNK	UNK
X60	X145	X214	X316	X423	UNK	UNK	UNK
X61	X151	X222	X317	X424	UNK	UNK	UNK
X62	X155	X223	X318	X431	UNK	UNK	UNK
X63	X156	X224	X319	X432	UNK	UNK	UNK
X66	X157	X226	X320	X435	UNK	UNK	UNK
X67	X158	X229	X321	X450	UNK	UNK	UNK
X69	X159	X239	X322	X451	UNK	UNK	UNK
X70	X160	X240	X323	X452	UNK	UNK	UNK
X71	X161	X241	X324	X453	UNK	UNK	UNK
X72	X162	X242	X325	X456	UNK	UNK	UNK
X73	X163	X243	X326	X463	UNK	UNK	UNK
X74	X164	X244	X330	X467	UNK	UNK	UNK
X75	X165	X245	X339	X472	UNK	UNK	UNK
X76	X166	X246	X342	X475	UNK	UNK	UNK
X77	X167	X247	X343	UNK	UNK	UNK	UNK
X78	X168	UNK	X347	UNK	UNK	UNK	UNK
X80	X169	UNK	UNK	UNK	UNK	UNK	UNK
X81	X170	UNK	UNK	UNK	UNK	UNK	UNK
X82	X173	UNK	UNK	UNK	UNK	UNK	UNK
X83	UNK	UNK	UNK	UNK	UNK	UNK	UNK

• Molecule 1: NADH-ubiquinone oxidoreductase chain 5

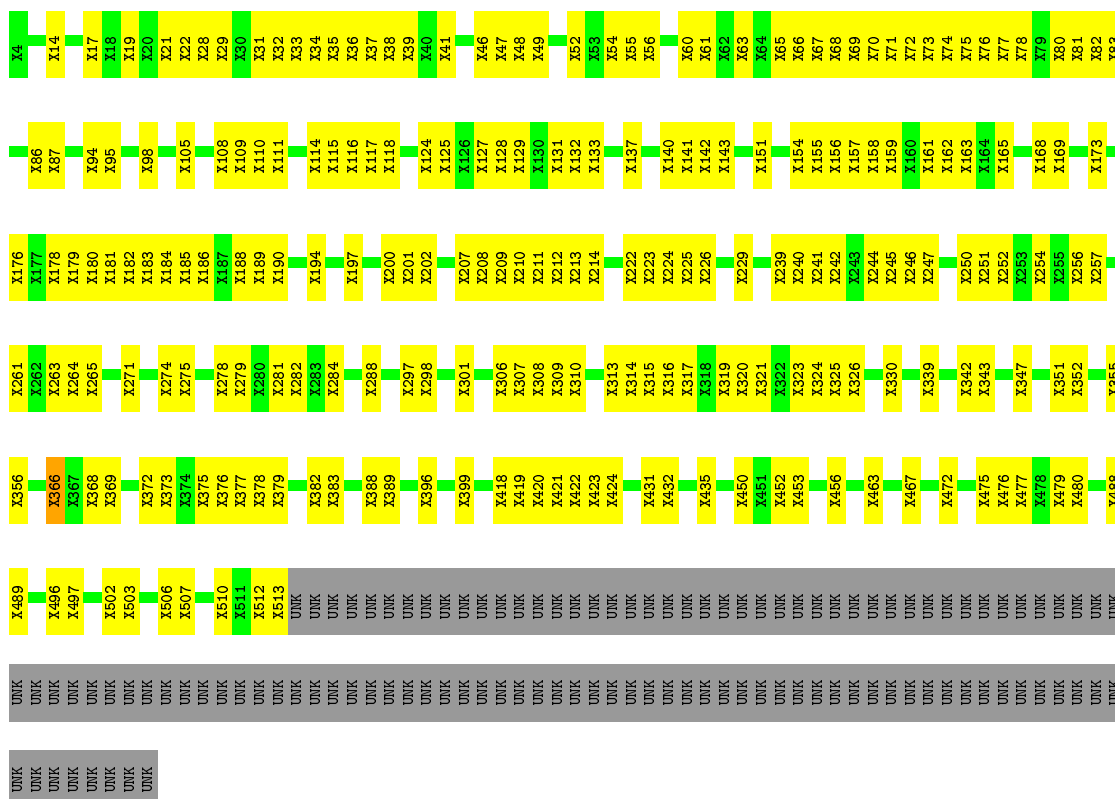


X4	X86	X176	X254	X351	X476	UNK	UNK
X14	X87	X177	X255	X352	X477	UNK	UNK
X17	X94	X178	X256	X353	X478	UNK	UNK
X18	X95	X179	X257	X354	X479	UNK	UNK
X19	X98	X180	X261	X355	X480	UNK	UNK
X20	X105	X181	X262	X356	X488	UNK	UNK
X21	X108	X182	X263	X366	X489	UNK	UNK
X22	X109	X183	X264	X367	X496	UNK	UNK
X28	X110	X184	X265	X368	X497	UNK	UNK
X29	X111	X185	X271	X369	X502	UNK	UNK
X30	X114	X186	X274	X372	X503	UNK	UNK
X31	X115	X187	X275	X373	X506	UNK	UNK
X32	X116	X188	X278	X374	X507	UNK	UNK
X33	X117	X189	X279	X375	X510	UNK	UNK
X34	X118	X190	X280	X376	X511	UNK	UNK
X35	X124	X191	X281	X377	X512	UNK	UNK
X36	X125	X192	X282	X378	X513	UNK	UNK
X37	X126	X193	X284	X379	UNK	UNK	UNK
X38	X127	X194	X288	X382	UNK	UNK	UNK
X39	X128	X197	X289	X383	UNK	UNK	UNK
X40	X129	X200	X297	X386	UNK	UNK	UNK
X41	X130	X201	X298	X387	UNK	UNK	UNK
X46	X131	X202	X301	X388	UNK	UNK	UNK
X47	X132	X203	X306	X389	UNK	UNK	UNK
X48	X133	X204	X307	X396	UNK	UNK	UNK
X49	X137	X207	X308	X399	UNK	UNK	UNK
X52	X140	X208	X309	X418	UNK	UNK	UNK
X53	X141	X209	X310	X419	UNK	UNK	UNK
X54	X142	X210	X313	X420	UNK	UNK	UNK
X55	X143	X211	X314	X421	UNK	UNK	UNK
X56	X144	X212	X315	X422	UNK	UNK	UNK
X60	X145	X214	X316	X423	UNK	UNK	UNK
X61	X151	X222	X317	X424	UNK	UNK	UNK
X62	X155	X223	X318	X431	UNK	UNK	UNK
X63	X156	X224	X319	X432	UNK	UNK	UNK
X66	X157	X226	X320	X435	UNK	UNK	UNK
X67	X158	X229	X321	X450	UNK	UNK	UNK
X69	X159	X239	X322	X451	UNK	UNK	UNK
X70	X160	X240	X323	X452	UNK	UNK	UNK
X71	X161	X241	X324	X453	UNK	UNK	UNK
X72	X162	X242	X325	X456	UNK	UNK	UNK
X73	X163	X243	X326	X463	UNK	UNK	UNK
X74	X164	X244	X330	X467	UNK	UNK	UNK
X75	X165	X245	X339	X472	UNK	UNK	UNK
X76	X166	X246	X342	X475	UNK	UNK	UNK
X77	X167	X247	X343	UNK	UNK	UNK	UNK
X78	X168	UNK	X347	UNK	UNK	UNK	UNK
X80	X169	UNK	UNK	UNK	UNK	UNK	UNK
X81	X170	UNK	UNK	UNK	UNK	UNK	UNK
X82	X173	UNK	UNK	UNK	UNK	UNK	UNK
X83	UNK	UNK	UNK	UNK	UNK	UNK	UNK

UNK
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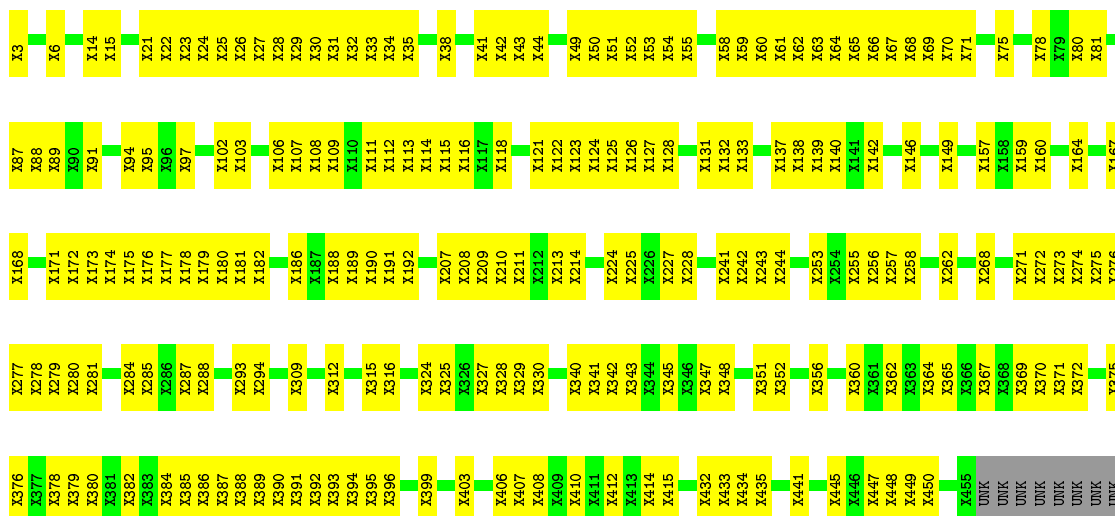
• Molecule 1: NADH-ubiquinone oxidoreductase chain 5

Chain L6:  44% 37% 19%



• Molecule 2: NADH-ubiquinone oxidoreductase chain 4

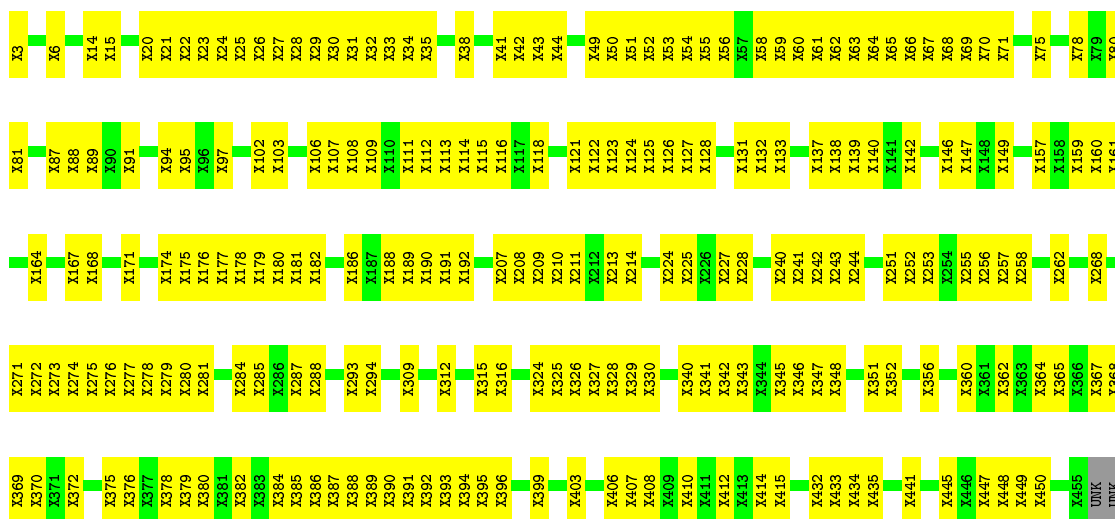
Chain M1:  48% 47%



UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK

• Molecule 2: NADH-ubiquinone oxidoreductase chain 4

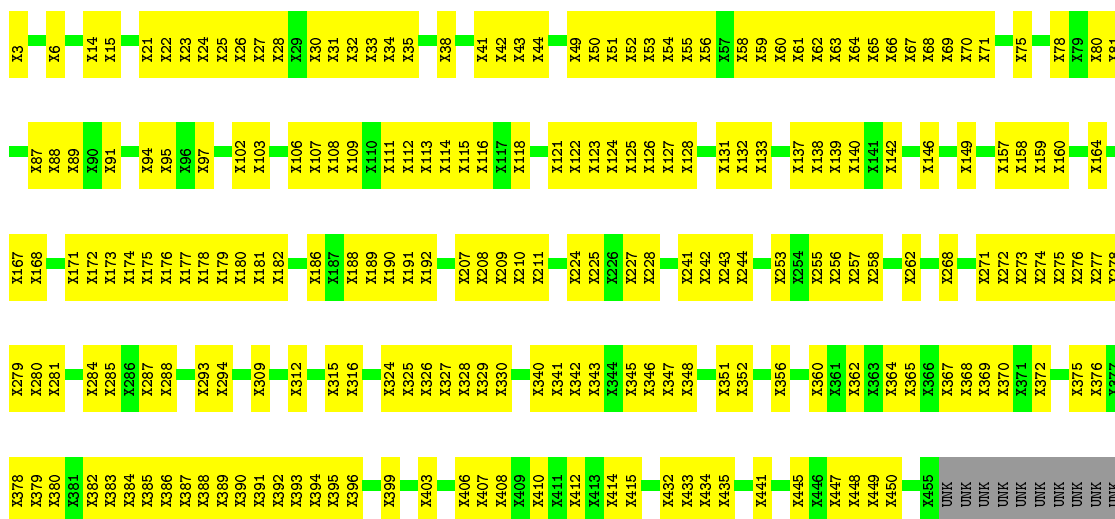
Chain M2:  47% 49%



UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK

• Molecule 2: NADH-ubiquinone oxidoreductase chain 4

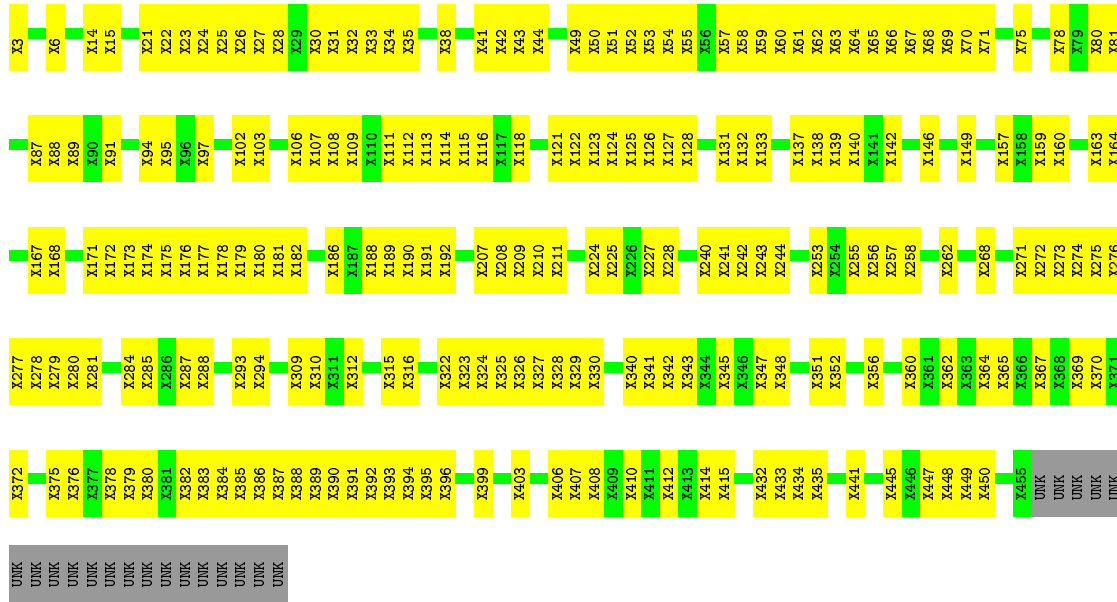
Chain M3:  48% 48%



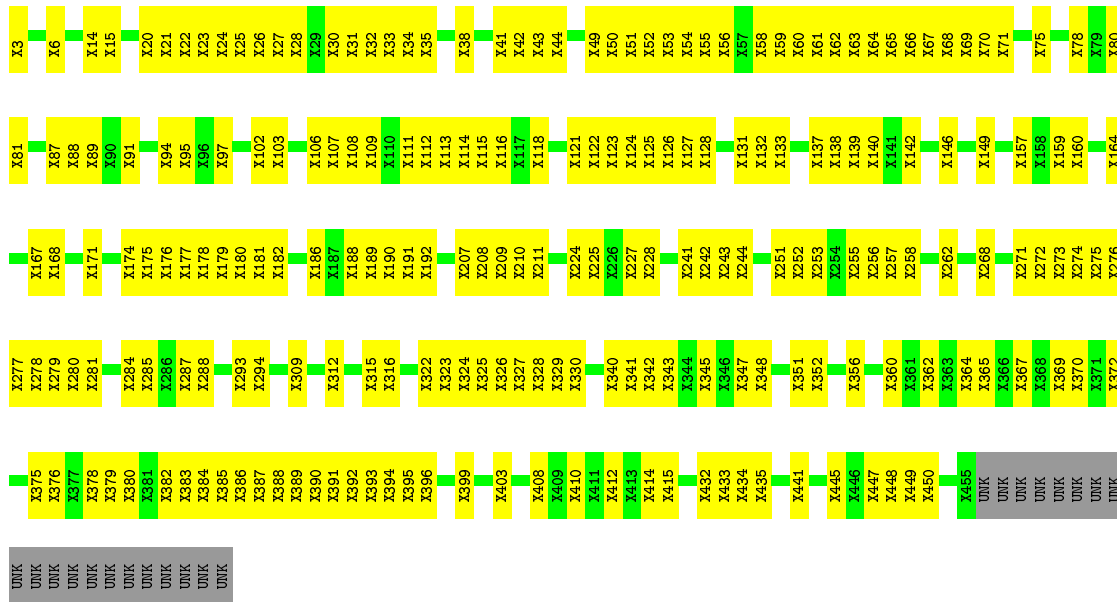
UNK
UNK
UNK
UNK
UNK
UNK
UNK
UNK

• Molecule 2: NADH-ubiquinone oxidoreductase chain 4

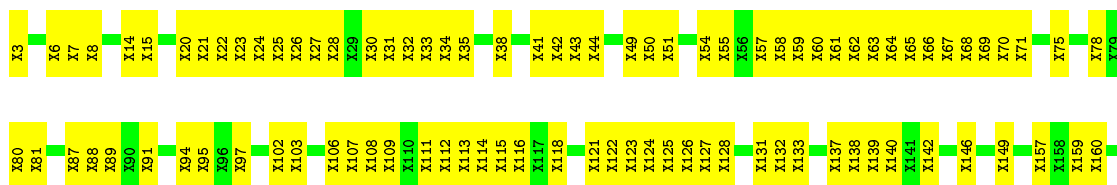
Chain M4:  47% 48%



• Molecule 2: NADH-ubiquinone oxidoreductase chain 4



• Molecule 2: NADH-ubiquinone oxidoreductase chain 4



Chain h3:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain i3:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain f4:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain h4:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain i4:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain f5:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain h5:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain i5:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain f6:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain h6:  100%

There are no outlier residues recorded for this chain.

- Molecule 3: Unknown structure

Chain i6:  100%

There are no outlier residues recorded for this chain.

- Molecule 4: Unknown structure

Chain g1:  100%

There are no outlier residues recorded for this chain.

- Molecule 4: Unknown structure

Chain g2:  100%

There are no outlier residues recorded for this chain.

- Molecule 4: Unknown structure

Chain g3:  100%

There are no outlier residues recorded for this chain.

- Molecule 4: Unknown structure

Chain g4:  100%

There are no outlier residues recorded for this chain.

- Molecule 4: Unknown structure

Chain g5:  100%

There are no outlier residues recorded for this chain.

- Molecule 4: Unknown structure

Chain g6:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain j1:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain k1:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain p1:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain s1:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain j2:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain k2:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain p2:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain s2:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain j3:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain k3:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain p3:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain s3:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain j4:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain k4:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain p4:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain s4:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain j5:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain k5:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain p5:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain s5:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain j6:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain k6:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain p6:  100%

There are no outlier residues recorded for this chain.

- Molecule 5: Unknown structure

Chain s6:  100%

There are no outlier residues recorded for this chain.

- Molecule 6: Unknown structure

Chain l1:  100%

There are no outlier residues recorded for this chain.

- Molecule 6: Unknown structure

Chain l2:  100%

There are no outlier residues recorded for this chain.

- Molecule 6: Unknown structure

Chain l3:  100%

There are no outlier residues recorded for this chain.

- Molecule 6: Unknown structure

Chain l4:  100%

There are no outlier residues recorded for this chain.

- Molecule 6: Unknown structure

Chain l5:  100%

There are no outlier residues recorded for this chain.

- Molecule 6: Unknown structure

Chain l6:  100%

There are no outlier residues recorded for this chain.

There are no outlier residues recorded for this chain.

- Molecule 8: Unknown structure

Chain n3:  100%

There are no outlier residues recorded for this chain.

- Molecule 8: Unknown structure

Chain n4:  100%

There are no outlier residues recorded for this chain.

- Molecule 8: Unknown structure

Chain n5:  100%

There are no outlier residues recorded for this chain.

- Molecule 8: Unknown structure

Chain n6:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Unknown structure

Chain o1:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Unknown structure

Chain o2:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Unknown structure

Chain o3:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Unknown structure

Chain o4:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Unknown structure

Chain o5:  100%

There are no outlier residues recorded for this chain.

- Molecule 9: Unknown structure

Chain o6:  100%

There are no outlier residues recorded for this chain.

- Molecule 10: Unknown structure

Chain t1:  100%

There are no outlier residues recorded for this chain.

- Molecule 10: Unknown structure

Chain t2:  100%

There are no outlier residues recorded for this chain.

- Molecule 10: Unknown structure

Chain t3:  100%

There are no outlier residues recorded for this chain.

- Molecule 10: Unknown structure

Chain t4:  100%

There are no outlier residues recorded for this chain.

- Molecule 10: Unknown structure

Chain t5:  100%

There are no outlier residues recorded for this chain.

- Molecule 10: Unknown structure

Chain t6:  100%

There are no outlier residues recorded for this chain.

- Molecule 11: Unknown structure

Chain u1:  100%

There are no outlier residues recorded for this chain.

- Molecule 11: Unknown structure

Chain u2:  100%

There are no outlier residues recorded for this chain.

- Molecule 11: Unknown structure

Chain u3:  100%

There are no outlier residues recorded for this chain.

- Molecule 11: Unknown structure

Chain u4:  100%

There are no outlier residues recorded for this chain.

- Molecule 11: Unknown structure

Chain u5:  100%

There are no outlier residues recorded for this chain.

- Molecule 11: Unknown structure

Chain u6:  100%

There are no outlier residues recorded for this chain.

- Molecule 12: Unknown structure

Chain v1:  100%

There are no outlier residues recorded for this chain.

- Molecule 12: Unknown structure

Chain v2:  100%

There are no outlier residues recorded for this chain.

- Molecule 12: Unknown structure

Chain v3:  100%

There are no outlier residues recorded for this chain.

- Molecule 12: Unknown structure

Chain v4:  100%

There are no outlier residues recorded for this chain.


- Molecule 12: Unknown structure

Chain v5:  100%

There are no outlier residues recorded for this chain.


- Molecule 12: Unknown structure

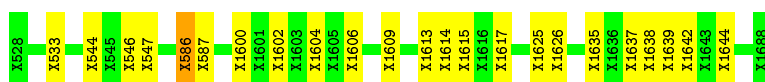
Chain v6:  100%

Chain BC:  84% 15%




- Molecule 14: Unknown structure

Chain BD:  84% 15%



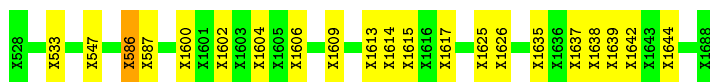
- Molecule 14: Unknown structure

Chain BE:  83% 16%



- Molecule 14: Unknown structure

Chain BF:  86% 14%



4 Data and refinement statistics

Property	Value	Source
Space group	P 21 21 21	Depositor
Cell constants a, b, c, α , β , γ	244.83Å 251.41Å 412.03Å 90.00° 90.00° 90.00°	Depositor
Resolution (Å)	41.69 – 6.74 49.44 – 6.74	Depositor EDS
% Data completeness (in resolution range)	97.2 (41.69-6.74) 90.7 (49.44-6.74)	Depositor EDS
R_{merge}	0.08	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.28 (at 6.68Å)	Xtrriage
Refinement program	PHENIX 1.9_1692	Depositor
R, R_{free}	0.425 , 0.435 0.425 , 0.435	Depositor DCC
R_{free} test set	2228 reflections (5.03%)	wwPDB-VP
Wilson B-factor (Å ²)	495.7	Xtrriage
Anisotropy	0.201	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.36 , 102.6	EDS
L-test for twinning ²	$\langle L \rangle = 0.40$, $\langle L^2 \rangle = 0.23$	Xtrriage
Estimated twinning fraction	0.037 for k,h,-l	Xtrriage
F_o, F_c correlation	0.42	EDS
Total number of atoms	48030	wwPDB-VP
Average B, all atoms (Å ²)	100.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.10% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ 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](#)

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).

There are no protein, RNA or DNA chains available to summarize Z scores of covalent bonds and angles.

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	L1	0	2
1	L2	0	2
1	L3	0	2
1	L4	0	2
1	L5	0	2
1	L6	0	2
14	BA	0	3
14	BB	0	3
14	BC	0	3
14	BD	0	3
14	BE	0	3
14	BF	0	3
All	All	0	30

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

All (30) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
14	BA	533	UNK	Mainchain,Peptide
14	BA	586	UNK	Mainchain
14	BB	533	UNK	Mainchain,Peptide
14	BB	586	UNK	Mainchain
14	BC	533	UNK	Mainchain,Peptide
14	BC	586	UNK	Mainchain

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Mol	Chain	Res	Type	Group
14	BD	533	UNK	Mainchain,Peptide
14	BD	586	UNK	Mainchain
14	BE	533	UNK	Mainchain,Peptide
14	BE	586	UNK	Mainchain
14	BF	533	UNK	Mainchain,Peptide
14	BF	586	UNK	Mainchain
1	L1	133	UNK	Peptide
1	L1	366	UNK	Peptide
1	L2	133	UNK	Peptide
1	L2	366	UNK	Peptide
1	L3	133	UNK	Peptide
1	L3	366	UNK	Peptide
1	L4	133	UNK	Peptide
1	L4	366	UNK	Peptide
1	L5	133	UNK	Peptide
1	L5	366	UNK	Peptide
1	L6	133	UNK	Peptide
1	L6	366	UNK	Peptide

5.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	L1	2465	0	517	226	0
1	L2	2465	0	517	228	0
1	L3	2465	0	517	227	0
1	L4	2465	0	517	227	0
1	L5	2465	0	517	227	0
1	L6	2465	0	517	221	0
2	M1	2195	0	455	202	0
2	M2	2195	0	455	209	0
2	M3	2195	0	455	206	0
2	M4	2195	0	455	205	0
2	M5	2195	0	455	201	0
2	M6	2195	0	455	206	0
3	f1	150	0	33	0	0
3	f2	150	0	33	0	0
3	f3	150	0	33	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	f4	150	0	33	0	0
3	f5	150	0	33	0	0
3	f6	150	0	33	0	0
3	h1	150	0	32	0	0
3	h2	150	0	32	0	0
3	h3	150	0	32	0	0
3	h4	150	0	32	0	0
3	h5	150	0	32	0	0
3	h6	150	0	32	0	0
3	i1	150	0	33	0	0
3	i2	150	0	33	0	0
3	i3	150	0	33	0	0
3	i4	150	0	33	0	0
3	i5	150	0	33	0	0
3	i6	150	0	33	0	0
4	g1	110	0	24	0	0
4	g2	110	0	24	0	0
4	g3	110	0	24	0	0
4	g4	110	0	24	0	0
4	g5	110	0	24	0	0
4	g6	110	0	24	0	0
5	j1	140	0	33	0	0
5	j2	140	0	33	0	0
5	j3	140	0	33	0	0
5	j4	140	0	33	0	0
5	j5	140	0	33	0	0
5	j6	140	0	33	0	0
5	k1	140	0	30	0	0
5	k2	140	0	30	0	0
5	k3	140	0	30	0	0
5	k4	140	0	30	0	0
5	k5	140	0	30	0	0
5	k6	140	0	30	0	0
5	p1	140	0	30	0	0
5	p2	140	0	30	0	0
5	p3	140	0	30	0	0
5	p4	140	0	30	0	0
5	p5	140	0	30	0	0
5	p6	140	0	30	0	0
5	s1	140	0	31	0	0
5	s2	140	0	31	0	0
5	s3	140	0	31	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
5	s4	140	0	31	0	0
5	s5	140	0	31	0	0
5	s6	140	0	31	0	0
6	l1	65	0	15	0	0
6	l2	65	0	15	0	0
6	l3	65	0	15	0	0
6	l4	65	0	15	0	0
6	l5	65	0	15	0	0
6	l6	65	0	15	0	0
7	U1	375	0	80	22	0
7	U2	375	0	80	21	0
7	U3	375	0	80	22	0
7	U4	375	0	80	21	0
7	U5	375	0	80	22	0
7	U6	375	0	80	21	0
8	n1	295	0	61	0	0
8	n2	295	0	61	0	0
8	n3	295	0	61	0	0
8	n4	295	0	61	0	0
8	n5	295	0	61	0	0
8	n6	295	0	61	0	0
9	o1	105	0	23	0	0
9	o2	105	0	23	0	0
9	o3	105	0	23	0	0
9	o4	105	0	23	0	0
9	o5	105	0	23	0	0
9	o6	105	0	23	0	0
10	t1	285	0	61	0	0
10	t2	285	0	61	0	0
10	t3	285	0	61	0	0
10	t4	285	0	61	0	0
10	t5	285	0	61	0	0
10	t6	285	0	61	0	0
11	u1	75	0	17	0	0
11	u2	75	0	17	0	0
11	u3	75	0	17	0	0
11	u4	75	0	17	0	0
11	u5	75	0	17	0	0
11	u6	75	0	17	0	0
12	v1	160	0	34	0	0
12	v2	160	0	34	0	0
12	v3	160	0	34	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
12	v4	160	0	34	0	0
12	v5	160	0	34	0	0
12	v6	160	0	34	0	0
13	w1	135	0	30	0	0
13	w2	135	0	29	0	0
13	w3	135	0	29	0	0
13	w4	135	0	29	0	0
13	w5	135	0	29	0	0
13	w6	135	0	29	0	0
14	BA	730	0	164	30	0
14	BB	730	0	164	29	0
14	BC	730	0	164	38	0
14	BD	730	0	164	39	0
14	BE	730	0	164	40	0
14	BF	730	0	164	39	0
All	All	48030	0	10213	2873	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 63.

All (2873) 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:L5:321:UNK:CB	1:L5:324:UNK:CB	1.91	1.48
14:BA:1609:UNK:CB	14:BA:1642:UNK:CB	1.92	1.47
1:L1:321:UNK:CB	1:L1:324:UNK:CB	1.91	1.47
1:L4:321:UNK:CB	1:L4:324:UNK:CB	1.91	1.47
14:BB:1609:UNK:CB	14:BB:1642:UNK:CB	1.92	1.46
14:BD:1609:UNK:CB	14:BD:1642:UNK:CB	1.92	1.46
14:BC:1609:UNK:CB	14:BC:1642:UNK:CB	1.92	1.46
1:L2:321:UNK:CB	1:L2:324:UNK:CB	1.91	1.45
14:BF:1609:UNK:CB	14:BF:1642:UNK:CB	1.92	1.45
1:L3:321:UNK:CB	1:L3:324:UNK:CB	1.91	1.45
1:L6:321:UNK:CB	1:L6:324:UNK:CB	1.91	1.44
14:BE:1609:UNK:CB	14:BE:1642:UNK:CB	1.92	1.44
14:BC:1614:UNK:HA	14:BC:1617:UNK:CB	1.51	1.41
14:BD:1614:UNK:HA	14:BD:1617:UNK:CB	1.51	1.40
14:BF:1614:UNK:HA	14:BF:1617:UNK:CB	1.51	1.39
14:BA:1614:UNK:HA	14:BA:1617:UNK:CB	1.51	1.39
1:L2:247:UNK:HA	1:L2:251:UNK:CB	1.52	1.39
14:BB:1614:UNK:HA	14:BB:1617:UNK:CB	1.51	1.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:247:UNK:HA	1:L3:251:UNK:CB	1.52	1.38
1:L1:247:UNK:HA	1:L1:251:UNK:CB	1.52	1.38
1:L4:247:UNK:HA	1:L4:251:UNK:CB	1.52	1.37
14:BE:1614:UNK:HA	14:BE:1617:UNK:CB	1.51	1.36
1:L5:247:UNK:HA	1:L5:251:UNK:CB	1.52	1.35
1:L6:247:UNK:HA	1:L6:251:UNK:CB	1.52	1.35
14:BC:1588:UNK:H	14:BF:547:UNK:CA	1.44	1.31
14:BC:1588:UNK:N	14:BF:547:UNK:HA	1.00	1.30
14:BC:1588:UNK:N	14:BF:547:UNK:CA	1.95	1.28
1:L4:65:UNK:CB	1:L4:67:UNK:N	1.98	1.26
1:L2:65:UNK:CB	1:L2:67:UNK:N	1.98	1.26
1:L5:65:UNK:CB	1:L5:67:UNK:N	1.98	1.26
1:L1:65:UNK:CB	1:L1:67:UNK:N	1.98	1.25
1:L6:65:UNK:CB	1:L6:67:UNK:N	1.98	1.25
1:L3:65:UNK:CB	1:L3:67:UNK:N	1.98	1.24
1:L1:161:UNK:HA	1:L1:162:UNK:C	1.65	1.24
1:L4:161:UNK:HA	1:L4:162:UNK:C	1.65	1.21
1:L3:225:UNK:HA	1:L3:229:UNK:CB	1.73	1.19
1:L3:161:UNK:HA	1:L3:162:UNK:C	1.65	1.18
1:L1:225:UNK:HA	1:L1:229:UNK:CB	1.73	1.18
1:L3:161:UNK:HA	1:L3:163:UNK:N	1.59	1.18
1:L5:225:UNK:HA	1:L5:229:UNK:CB	1.73	1.18
1:L2:161:UNK:HA	1:L2:162:UNK:C	1.65	1.18
1:L6:161:UNK:HA	1:L6:163:UNK:N	1.59	1.17
2:M4:58:UNK:HA	2:M4:59:UNK:CB	1.71	1.17
2:M1:58:UNK:HA	2:M1:59:UNK:CB	1.71	1.17
1:L2:225:UNK:HA	1:L2:229:UNK:CB	1.73	1.17
1:L4:225:UNK:HA	1:L4:229:UNK:CB	1.73	1.17
1:L1:161:UNK:HA	1:L1:163:UNK:N	1.59	1.17
1:L2:161:UNK:HA	1:L2:163:UNK:N	1.59	1.17
1:L6:225:UNK:HA	1:L6:229:UNK:CB	1.73	1.17
2:M2:58:UNK:HA	2:M2:59:UNK:CB	1.71	1.16
1:L4:161:UNK:HA	1:L4:163:UNK:N	1.59	1.14
2:M3:58:UNK:HA	2:M3:59:UNK:CB	1.71	1.14
1:L6:161:UNK:HA	1:L6:162:UNK:C	1.65	1.14
1:L5:161:UNK:HA	1:L5:163:UNK:N	1.59	1.14
2:M5:347:UNK:O	2:M5:351:UNK:N	1.81	1.14
2:M6:347:UNK:O	2:M6:351:UNK:N	1.81	1.14
2:M1:347:UNK:O	2:M1:351:UNK:N	1.81	1.13
2:M5:58:UNK:HA	2:M5:59:UNK:CB	1.71	1.13
2:M6:58:UNK:HA	2:M6:59:UNK:CB	1.71	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:161:UNK:HA	1:L5:162:UNK:C	1.65	1.12
2:M3:347:UNK:O	2:M3:351:UNK:N	1.81	1.12
2:M4:347:UNK:O	2:M4:351:UNK:N	1.81	1.12
2:M2:347:UNK:O	2:M2:351:UNK:N	1.81	1.12
1:L2:32:UNK:O	1:L2:36:UNK:N	1.87	1.08
1:L4:32:UNK:O	1:L4:36:UNK:N	1.87	1.08
1:L5:32:UNK:O	1:L5:36:UNK:N	1.87	1.08
7:U3:21:UNK:O	14:BC:1635:UNK:CB	2.02	1.07
1:L3:32:UNK:O	1:L3:36:UNK:N	1.87	1.07
1:L5:29:UNK:O	1:L5:33:UNK:N	1.88	1.07
7:U1:21:UNK:O	14:BA:1635:UNK:CB	2.02	1.07
1:L1:32:UNK:O	1:L1:36:UNK:N	1.87	1.07
7:U5:21:UNK:O	14:BE:1635:UNK:CB	2.02	1.07
1:L5:209:UNK:O	1:L5:212:UNK:N	1.88	1.07
7:U2:21:UNK:O	14:BB:1635:UNK:CB	2.02	1.07
1:L2:209:UNK:O	1:L2:212:UNK:N	1.88	1.07
1:L6:209:UNK:O	1:L6:212:UNK:N	1.88	1.06
1:L3:29:UNK:O	1:L3:33:UNK:N	1.88	1.06
7:U4:21:UNK:O	14:BD:1635:UNK:CB	2.02	1.06
1:L4:29:UNK:O	1:L4:33:UNK:N	1.88	1.06
7:U6:21:UNK:O	14:BF:1635:UNK:CB	2.02	1.06
1:L6:32:UNK:O	1:L6:36:UNK:N	1.87	1.06
1:L1:209:UNK:O	1:L1:212:UNK:N	1.88	1.06
1:L3:209:UNK:O	1:L3:212:UNK:N	1.88	1.05
1:L6:29:UNK:O	1:L6:33:UNK:N	1.88	1.05
1:L4:209:UNK:O	1:L4:212:UNK:N	1.88	1.05
1:L1:29:UNK:O	1:L1:33:UNK:N	1.88	1.05
1:L1:33:UNK:O	1:L1:37:UNK:N	1.90	1.05
1:L5:33:UNK:O	1:L5:37:UNK:N	1.90	1.05
1:L2:29:UNK:O	1:L2:33:UNK:N	1.88	1.05
1:L4:33:UNK:O	1:L4:37:UNK:N	1.90	1.05
1:L2:33:UNK:O	1:L2:37:UNK:N	1.90	1.04
14:BF:1614:UNK:CA	14:BF:1617:UNK:CB	2.36	1.04
1:L6:33:UNK:O	1:L6:37:UNK:N	1.90	1.04
14:BE:1614:UNK:CA	14:BE:1617:UNK:CB	2.36	1.04
14:BA:1614:UNK:CA	14:BA:1617:UNK:CB	2.36	1.03
1:L3:33:UNK:O	1:L3:37:UNK:N	1.90	1.03
1:L2:181:UNK:O	1:L2:184:UNK:N	1.92	1.03
14:BD:1614:UNK:CA	14:BD:1617:UNK:CB	2.36	1.03
1:L5:181:UNK:O	1:L5:184:UNK:N	1.92	1.03
1:L6:181:UNK:O	1:L6:184:UNK:N	1.92	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L4:181:UNK:O	1:L4:184:UNK:N	1.92	1.03
14:BB:1614:UNK:CA	14:BB:1617:UNK:CB	2.36	1.03
1:L5:28:UNK:O	1:L5:32:UNK:N	1.91	1.03
1:L4:28:UNK:O	1:L4:32:UNK:N	1.91	1.03
1:L6:28:UNK:O	1:L6:32:UNK:N	1.91	1.03
1:L3:28:UNK:O	1:L3:32:UNK:N	1.91	1.02
1:L1:181:UNK:O	1:L1:184:UNK:N	1.92	1.02
1:L1:28:UNK:O	1:L1:32:UNK:N	1.91	1.02
1:L2:28:UNK:O	1:L2:32:UNK:N	1.91	1.02
1:L3:181:UNK:O	1:L3:184:UNK:N	1.92	1.02
14:BC:1614:UNK:CA	14:BC:1617:UNK:CB	2.36	1.02
14:BD:547:UNK:O	14:BE:1590:UNK:N	1.78	1.01
1:L1:239:UNK:O	1:L1:240:UNK:C	2.07	1.00
1:L3:131:UNK:HA	1:L3:143:UNK:CB	1.92	1.00
1:L5:131:UNK:HA	1:L5:143:UNK:CB	1.92	1.00
1:L1:131:UNK:HA	1:L1:143:UNK:CB	1.92	1.00
1:L6:131:UNK:HA	1:L6:143:UNK:CB	1.92	1.00
1:L2:82:UNK:O	1:L2:87:UNK:N	1.95	0.99
1:L6:247:UNK:O	1:L6:252:UNK:N	1.95	0.99
1:L4:131:UNK:HA	1:L4:143:UNK:CB	1.92	0.99
1:L5:247:UNK:O	1:L5:252:UNK:N	1.95	0.99
1:L3:247:UNK:O	1:L3:252:UNK:N	1.95	0.99
1:L4:82:UNK:O	1:L4:87:UNK:N	1.95	0.99
1:L1:82:UNK:O	1:L1:87:UNK:N	1.96	0.99
1:L6:82:UNK:O	1:L6:87:UNK:N	1.96	0.99
1:L4:247:UNK:O	1:L4:252:UNK:N	1.95	0.99
1:L3:246:UNK:O	1:L3:251:UNK:N	1.96	0.99
1:L2:131:UNK:HA	1:L2:143:UNK:CB	1.92	0.98
1:L2:247:UNK:O	1:L2:252:UNK:N	1.95	0.98
1:L2:246:UNK:O	1:L2:251:UNK:N	1.96	0.98
1:L4:246:UNK:O	1:L4:251:UNK:N	1.96	0.98
1:L1:247:UNK:O	1:L1:252:UNK:N	1.95	0.98
2:M5:388:UNK:N	2:M5:389:UNK:HA	1.79	0.98
1:L5:82:UNK:O	1:L5:87:UNK:N	1.95	0.98
2:M3:387:UNK:C	2:M3:389:UNK:HA	1.93	0.98
1:L3:319:UNK:O	1:L3:320:UNK:CB	2.13	0.97
1:L3:82:UNK:O	1:L3:87:UNK:N	1.95	0.97
2:M1:387:UNK:C	2:M1:389:UNK:HA	1.93	0.97
2:M6:387:UNK:C	2:M6:389:UNK:HA	1.93	0.97
1:L6:246:UNK:O	1:L6:251:UNK:N	1.96	0.97
2:M2:387:UNK:C	2:M2:389:UNK:HA	1.93	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:239:UNK:O	1:L3:240:UNK:C	2.07	0.97
1:L6:161:UNK:CA	1:L6:162:UNK:C	2.41	0.97
1:L4:189:UNK:O	1:L4:194:UNK:N	1.98	0.97
1:L4:239:UNK:O	1:L4:240:UNK:C	2.07	0.97
1:L1:246:UNK:O	1:L1:251:UNK:N	1.97	0.97
2:M4:388:UNK:N	2:M4:389:UNK:HA	1.79	0.97
1:L6:239:UNK:O	1:L6:240:UNK:C	2.07	0.96
1:L3:189:UNK:O	1:L3:194:UNK:N	1.98	0.96
2:M6:58:UNK:CA	2:M6:59:UNK:CB	2.42	0.96
1:L2:189:UNK:O	1:L2:194:UNK:N	1.98	0.96
2:M5:387:UNK:C	2:M5:389:UNK:HA	1.93	0.96
2:M6:388:UNK:N	2:M6:389:UNK:HA	1.79	0.96
1:L5:246:UNK:O	1:L5:251:UNK:N	1.96	0.96
1:L6:189:UNK:O	1:L6:194:UNK:N	1.98	0.96
2:M4:387:UNK:C	2:M4:389:UNK:HA	1.93	0.96
1:L2:239:UNK:O	1:L2:240:UNK:C	2.07	0.96
2:M5:58:UNK:CA	2:M5:59:UNK:CB	2.42	0.96
1:L1:189:UNK:O	1:L1:194:UNK:N	1.98	0.96
1:L5:189:UNK:O	1:L5:194:UNK:N	1.98	0.95
1:L5:239:UNK:O	1:L5:240:UNK:C	2.07	0.95
2:M2:388:UNK:N	2:M2:389:UNK:HA	1.79	0.95
14:BD:547:UNK:O	14:BE:1591:UNK:N	1.99	0.95
1:L1:319:UNK:O	1:L1:320:UNK:CB	2.13	0.95
1:L2:319:UNK:O	1:L2:320:UNK:CB	2.12	0.95
1:L3:161:UNK:CA	1:L3:162:UNK:C	2.41	0.95
2:M1:388:UNK:N	2:M1:389:UNK:HA	1.79	0.95
1:L5:319:UNK:O	1:L5:320:UNK:CB	2.13	0.94
1:L2:83:UNK:HA	1:L2:87:UNK:CB	1.98	0.94
2:M3:51:UNK:CB	2:M3:58:UNK:CB	2.46	0.94
2:M3:58:UNK:CA	2:M3:59:UNK:CB	2.42	0.94
14:BC:1614:UNK:O	14:BC:1617:UNK:N	2.01	0.94
1:L1:83:UNK:HA	1:L1:87:UNK:CB	1.98	0.94
1:L6:210:UNK:O	1:L6:214:UNK:N	2.01	0.94
2:M3:388:UNK:N	2:M3:389:UNK:HA	1.79	0.94
2:M4:51:UNK:CB	2:M4:58:UNK:CB	2.46	0.94
2:M6:51:UNK:CB	2:M6:58:UNK:CB	2.46	0.94
1:L1:161:UNK:CA	1:L1:162:UNK:C	2.41	0.94
1:L5:83:UNK:HA	1:L5:87:UNK:CB	1.98	0.94
1:L6:83:UNK:HA	1:L6:87:UNK:CB	1.98	0.93
2:M6:103:UNK:O	2:M6:107:UNK:N	2.02	0.93
2:M4:103:UNK:O	2:M4:107:UNK:N	2.02	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M5:103:UNK:O	2:M5:107:UNK:N	2.02	0.93
1:L3:210:UNK:O	1:L3:214:UNK:N	2.01	0.93
1:L4:319:UNK:O	1:L4:320:UNK:CB	2.13	0.93
2:M1:103:UNK:O	2:M1:107:UNK:N	2.02	0.93
2:M2:51:UNK:CB	2:M2:58:UNK:CB	2.46	0.93
1:L4:83:UNK:HA	1:L4:87:UNK:CB	1.98	0.93
2:M3:103:UNK:O	2:M3:107:UNK:N	2.02	0.93
1:L3:83:UNK:HA	1:L3:87:UNK:CB	1.98	0.93
1:L4:210:UNK:O	1:L4:214:UNK:N	2.01	0.93
1:L5:55:UNK:N	1:L5:56:UNK:O	2.02	0.93
1:L1:210:UNK:O	1:L1:214:UNK:N	2.01	0.93
2:M1:51:UNK:CB	2:M1:58:UNK:CB	2.46	0.93
2:M2:58:UNK:CA	2:M2:59:UNK:CB	2.42	0.93
14:BD:1614:UNK:O	14:BD:1617:UNK:N	2.01	0.93
14:BB:1614:UNK:O	14:BB:1617:UNK:N	2.01	0.92
1:L5:210:UNK:O	1:L5:214:UNK:N	2.01	0.92
1:L2:55:UNK:N	1:L2:56:UNK:O	2.02	0.92
1:L4:55:UNK:N	1:L4:56:UNK:O	2.02	0.92
2:M5:51:UNK:CB	2:M5:58:UNK:CB	2.46	0.92
1:L1:321:UNK:O	1:L1:324:UNK:CB	2.18	0.92
1:L1:55:UNK:N	1:L1:56:UNK:O	2.02	0.92
1:L2:210:UNK:O	1:L2:214:UNK:N	2.01	0.92
1:L3:55:UNK:N	1:L3:56:UNK:O	2.02	0.92
1:L6:319:UNK:O	1:L6:320:UNK:CB	2.13	0.92
2:M2:103:UNK:O	2:M2:107:UNK:N	2.02	0.92
1:L5:247:UNK:CA	1:L5:251:UNK:CB	2.47	0.92
1:L6:321:UNK:O	1:L6:324:UNK:CB	2.18	0.92
1:L2:321:UNK:O	1:L2:324:UNK:CB	2.18	0.92
2:M1:58:UNK:CA	2:M1:59:UNK:CB	2.42	0.92
2:M5:189:UNK:N	2:M5:191:UNK:O	2.03	0.92
1:L3:247:UNK:CA	1:L3:251:UNK:CB	2.47	0.91
1:L3:321:UNK:O	1:L3:324:UNK:CB	2.18	0.91
1:L4:321:UNK:O	1:L4:324:UNK:CB	2.18	0.91
1:L6:55:UNK:N	1:L6:56:UNK:O	2.02	0.91
2:M1:189:UNK:N	2:M1:191:UNK:O	2.03	0.91
2:M4:189:UNK:N	2:M4:191:UNK:O	2.03	0.91
1:L5:321:UNK:O	1:L5:324:UNK:CB	2.18	0.91
2:M3:189:UNK:N	2:M3:191:UNK:O	2.03	0.91
14:BE:1614:UNK:O	14:BE:1617:UNK:N	2.01	0.91
14:BA:1614:UNK:O	14:BA:1617:UNK:N	2.01	0.91
2:M2:189:UNK:N	2:M2:191:UNK:O	2.03	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M6:189:UNK:N	2:M6:191:UNK:O	2.03	0.90
14:BD:547:UNK:CB	14:BE:1590:UNK:N	2.34	0.90
1:L4:161:UNK:CA	1:L4:162:UNK:C	2.41	0.90
1:L5:263:UNK:O	1:L5:265:UNK:N	2.05	0.90
1:L4:263:UNK:O	1:L4:265:UNK:N	2.05	0.90
14:BF:1614:UNK:O	14:BF:1617:UNK:N	2.01	0.90
2:M4:58:UNK:CA	2:M4:59:UNK:CB	2.42	0.90
2:M1:68:UNK:O	2:M1:69:UNK:C	2.19	0.90
1:L3:263:UNK:O	1:L3:265:UNK:N	2.05	0.89
2:M1:347:UNK:O	2:M1:351:UNK:CB	2.21	0.89
1:L1:247:UNK:CA	1:L1:251:UNK:CB	2.47	0.89
2:M5:347:UNK:O	2:M5:351:UNK:CB	2.21	0.89
1:L6:263:UNK:O	1:L6:265:UNK:N	2.05	0.89
1:L1:263:UNK:O	1:L1:265:UNK:N	2.05	0.89
1:L3:151:UNK:O	1:L3:155:UNK:CB	2.21	0.89
1:L4:151:UNK:O	1:L4:155:UNK:CB	2.21	0.89
1:L5:151:UNK:O	1:L5:155:UNK:CB	2.21	0.89
2:M6:348:UNK:HA	2:M6:351:UNK:CB	2.03	0.89
1:L2:263:UNK:O	1:L2:265:UNK:N	2.05	0.89
2:M2:68:UNK:O	2:M2:69:UNK:C	2.19	0.89
7:U5:23:UNK:CB	7:U5:24:UNK:HA	2.03	0.89
1:L5:161:UNK:CA	1:L5:162:UNK:C	2.41	0.89
2:M1:348:UNK:HA	2:M1:351:UNK:CB	2.03	0.89
2:M5:348:UNK:HA	2:M5:351:UNK:CB	2.03	0.89
7:U1:23:UNK:CB	7:U1:24:UNK:HA	2.03	0.89
2:M4:348:UNK:HA	2:M4:351:UNK:CB	2.03	0.89
7:U3:23:UNK:CB	7:U3:24:UNK:HA	2.03	0.89
14:BA:1637:UNK:HA	14:BA:1638:UNK:C	2.03	0.88
1:L2:29:UNK:HA	1:L2:32:UNK:CB	2.03	0.88
1:L6:151:UNK:O	1:L6:155:UNK:CB	2.21	0.88
2:M3:347:UNK:O	2:M3:351:UNK:CB	2.21	0.88
1:L3:29:UNK:HA	1:L3:32:UNK:CB	2.03	0.88
2:M3:348:UNK:HA	2:M3:351:UNK:CB	2.03	0.88
7:U4:23:UNK:CB	7:U4:24:UNK:HA	2.03	0.88
14:BC:1588:UNK:H2	14:BF:547:UNK:HA	1.33	0.88
1:L6:29:UNK:HA	1:L6:32:UNK:CB	2.03	0.88
2:M3:68:UNK:O	2:M3:69:UNK:C	2.19	0.88
2:M4:347:UNK:O	2:M4:351:UNK:CB	2.21	0.88
14:BE:1637:UNK:HA	14:BE:1638:UNK:C	2.03	0.88
14:BB:1637:UNK:HA	14:BB:1638:UNK:C	2.03	0.88
2:M2:347:UNK:O	2:M2:351:UNK:CB	2.21	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M2:348:UNK:HA	2:M2:351:UNK:CB	2.03	0.88
14:BF:1637:UNK:HA	14:BF:1638:UNK:C	2.03	0.88
1:L1:29:UNK:HA	1:L1:32:UNK:CB	2.03	0.88
1:L4:29:UNK:HA	1:L4:32:UNK:CB	2.03	0.88
1:L1:151:UNK:O	1:L1:155:UNK:CB	2.21	0.88
2:M6:347:UNK:O	2:M6:351:UNK:CB	2.21	0.88
1:L5:29:UNK:HA	1:L5:32:UNK:CB	2.03	0.88
1:L6:247:UNK:CA	1:L6:251:UNK:CB	2.47	0.88
2:M6:176:UNK:N	2:M6:177:UNK:HA	1.89	0.88
1:L2:151:UNK:O	1:L2:155:UNK:CB	2.21	0.88
2:M3:49:UNK:HA	2:M3:50:UNK:CB	2.04	0.88
14:BD:1637:UNK:HA	14:BD:1638:UNK:C	2.03	0.87
1:L2:161:UNK:CA	1:L2:162:UNK:C	2.41	0.87
2:M4:49:UNK:HA	2:M4:50:UNK:CB	2.04	0.87
7:U6:23:UNK:CB	7:U6:24:UNK:HA	2.03	0.87
14:BC:1637:UNK:HA	14:BC:1638:UNK:C	2.03	0.87
1:L4:67:UNK:CB	1:L4:76:UNK:HA	2.05	0.87
2:M6:68:UNK:O	2:M6:69:UNK:C	2.19	0.87
1:L2:67:UNK:CB	1:L2:76:UNK:HA	2.05	0.87
1:L3:67:UNK:CB	1:L3:76:UNK:HA	2.05	0.87
1:L4:247:UNK:CA	1:L4:251:UNK:CB	2.47	0.87
7:U2:23:UNK:CB	7:U2:24:UNK:HA	2.03	0.87
1:L6:67:UNK:CB	1:L6:76:UNK:HA	2.05	0.87
2:M6:49:UNK:HA	2:M6:50:UNK:CB	2.04	0.87
14:BD:1638:UNK:HA	14:BD:1642:UNK:CB	2.05	0.87
14:BB:1638:UNK:HA	14:BB:1642:UNK:CB	2.05	0.86
1:L1:321:UNK:O	1:L1:324:UNK:N	2.08	0.86
1:L1:67:UNK:CB	1:L1:76:UNK:HA	2.05	0.86
2:M1:281:UNK:O	2:M1:284:UNK:CB	2.24	0.86
2:M2:176:UNK:N	2:M2:177:UNK:HA	1.89	0.86
14:BE:1638:UNK:HA	14:BE:1642:UNK:CB	2.05	0.86
1:L2:247:UNK:CA	1:L2:251:UNK:CB	2.47	0.86
1:L5:67:UNK:CB	1:L5:76:UNK:HA	2.05	0.86
2:M5:68:UNK:O	2:M5:69:UNK:C	2.19	0.86
2:M1:146:UNK:O	2:M1:149:UNK:N	2.09	0.86
2:M2:49:UNK:HA	2:M2:50:UNK:CB	2.04	0.86
2:M4:281:UNK:O	2:M4:284:UNK:CB	2.24	0.86
2:M5:176:UNK:N	2:M5:177:UNK:HA	1.89	0.86
1:L5:321:UNK:O	1:L5:324:UNK:N	2.08	0.86
2:M1:49:UNK:HA	2:M1:50:UNK:CB	2.05	0.86
2:M6:281:UNK:O	2:M6:284:UNK:CB	2.24	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:BF:1638:UNK:HA	14:BF:1642:UNK:CB	2.05	0.86
1:L6:316:UNK:O	1:L6:319:UNK:N	2.09	0.86
1:L6:321:UNK:O	1:L6:324:UNK:N	2.08	0.86
2:M3:146:UNK:O	2:M3:149:UNK:N	2.09	0.86
2:M5:281:UNK:O	2:M5:284:UNK:CB	2.24	0.86
2:M5:49:UNK:HA	2:M5:50:UNK:CB	2.05	0.86
1:L1:316:UNK:O	1:L1:319:UNK:N	2.09	0.86
2:M3:281:UNK:O	2:M3:284:UNK:CB	2.24	0.86
1:L3:321:UNK:O	1:L3:324:UNK:N	2.08	0.85
1:L4:321:UNK:O	1:L4:324:UNK:N	2.08	0.85
2:M4:176:UNK:N	2:M4:177:UNK:HA	1.89	0.85
2:M6:146:UNK:O	2:M6:149:UNK:N	2.09	0.85
1:L5:316:UNK:O	1:L5:319:UNK:N	2.09	0.85
14:BC:1638:UNK:HA	14:BC:1642:UNK:CB	2.05	0.85
1:L2:297:UNK:HA	1:L2:356:UNK:N	1.92	0.85
1:L5:297:UNK:HA	1:L5:356:UNK:N	1.91	0.85
1:L4:297:UNK:HA	1:L4:356:UNK:N	1.91	0.85
2:M1:176:UNK:N	2:M1:177:UNK:HA	1.89	0.85
1:L1:297:UNK:HA	1:L1:356:UNK:N	1.91	0.85
1:L3:316:UNK:O	1:L3:319:UNK:N	2.09	0.85
1:L4:316:UNK:O	1:L4:319:UNK:N	2.09	0.85
2:M2:146:UNK:O	2:M2:149:UNK:N	2.09	0.85
2:M4:146:UNK:O	2:M4:149:UNK:N	2.09	0.85
14:BA:1638:UNK:HA	14:BA:1642:UNK:CB	2.05	0.85
2:M5:146:UNK:O	2:M5:149:UNK:N	2.09	0.85
1:L2:321:UNK:O	1:L2:324:UNK:N	2.08	0.85
1:L5:46:UNK:O	1:L5:49:UNK:CB	2.25	0.85
1:L6:46:UNK:O	1:L6:49:UNK:CB	2.25	0.85
2:M4:68:UNK:O	2:M4:69:UNK:C	2.19	0.85
2:M2:281:UNK:O	2:M2:284:UNK:CB	2.24	0.84
1:L2:316:UNK:O	1:L2:319:UNK:N	2.09	0.84
14:BF:1602:UNK:C	14:BF:1606:UNK:N	2.30	0.84
1:L5:288:UNK:CB	1:L5:308:UNK:CB	2.56	0.84
2:M3:176:UNK:N	2:M3:177:UNK:HA	1.89	0.84
1:L3:297:UNK:HA	1:L3:356:UNK:N	1.92	0.84
1:L4:288:UNK:CB	1:L4:308:UNK:CB	2.56	0.84
1:L4:34:UNK:O	1:L4:38:UNK:N	2.11	0.84
1:L6:34:UNK:O	1:L6:38:UNK:N	2.10	0.84
1:L4:46:UNK:O	1:L4:49:UNK:CB	2.25	0.84
1:L1:34:UNK:O	1:L1:38:UNK:N	2.10	0.84
1:L5:34:UNK:O	1:L5:38:UNK:N	2.10	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L1:197:UNK:O	1:L1:201:UNK:N	2.11	0.84
1:L1:46:UNK:O	1:L1:49:UNK:CB	2.25	0.84
1:L6:197:UNK:O	1:L6:201:UNK:N	2.11	0.83
1:L2:34:UNK:O	1:L2:38:UNK:N	2.10	0.83
1:L4:197:UNK:O	1:L4:201:UNK:N	2.11	0.83
1:L3:197:UNK:O	1:L3:201:UNK:N	2.11	0.83
1:L6:297:UNK:HA	1:L6:356:UNK:N	1.92	0.83
1:L2:46:UNK:O	1:L2:49:UNK:CB	2.25	0.83
1:L3:46:UNK:O	1:L3:49:UNK:CB	2.25	0.83
1:L6:288:UNK:CB	1:L6:308:UNK:CB	2.55	0.83
1:L3:288:UNK:CB	1:L3:308:UNK:CB	2.56	0.83
1:L1:288:UNK:CB	1:L1:308:UNK:CB	2.56	0.83
1:L2:197:UNK:O	1:L2:201:UNK:N	2.11	0.83
1:L3:34:UNK:O	1:L3:38:UNK:N	2.10	0.83
1:L2:288:UNK:CB	1:L2:308:UNK:CB	2.56	0.83
1:L3:321:UNK:O	1:L3:325:UNK:N	2.12	0.83
1:L5:197:UNK:O	1:L5:201:UNK:N	2.11	0.83
14:BC:1602:UNK:C	14:BC:1606:UNK:N	2.30	0.82
2:M3:210:UNK:HA	2:M3:268:UNK:CB	2.09	0.82
1:L3:77:UNK:HA	1:L3:78:UNK:CB	2.10	0.82
2:M6:281:UNK:O	2:M6:285:UNK:N	2.12	0.82
1:L1:77:UNK:HA	1:L1:78:UNK:CB	2.10	0.82
1:L4:321:UNK:O	1:L4:325:UNK:N	2.12	0.82
1:L4:77:UNK:HA	1:L4:78:UNK:CB	2.10	0.82
1:L6:321:UNK:O	1:L6:325:UNK:N	2.12	0.82
2:M5:210:UNK:HA	2:M5:268:UNK:CB	2.10	0.82
2:M6:210:UNK:HA	2:M6:268:UNK:CB	2.10	0.82
2:M1:281:UNK:O	2:M1:285:UNK:N	2.12	0.82
7:U6:22:UNK:HA	14:BF:1635:UNK:CB	2.10	0.82
1:L1:321:UNK:O	1:L1:325:UNK:N	2.12	0.82
1:L2:435:UNK:CB	14:BB:1644:UNK:HA	2.09	0.82
2:M5:281:UNK:O	2:M5:285:UNK:N	2.12	0.82
1:L1:435:UNK:CB	14:BA:1644:UNK:HA	2.09	0.82
1:L6:435:UNK:CB	14:BF:1644:UNK:HA	2.10	0.82
1:L2:321:UNK:O	1:L2:325:UNK:N	2.12	0.82
2:M3:281:UNK:O	2:M3:285:UNK:N	2.12	0.81
2:M4:210:UNK:HA	2:M4:268:UNK:CB	2.09	0.81
1:L2:77:UNK:HA	1:L2:78:UNK:CB	2.10	0.81
2:M1:210:UNK:HA	2:M1:268:UNK:CB	2.10	0.81
2:M2:210:UNK:HA	2:M2:268:UNK:CB	2.10	0.81
1:L5:435:UNK:CB	14:BE:1644:UNK:HA	2.09	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:77:UNK:HA	1:L6:78:UNK:CB	2.10	0.81
1:L5:321:UNK:O	1:L5:325:UNK:N	2.12	0.81
7:U5:22:UNK:HA	14:BE:1635:UNK:CB	2.10	0.81
2:M6:118:UNK:O	2:M6:122:UNK:N	2.14	0.81
2:M2:281:UNK:O	2:M2:285:UNK:N	2.12	0.81
1:L4:435:UNK:CB	14:BD:1644:UNK:HA	2.09	0.81
7:U4:22:UNK:HA	14:BD:1635:UNK:CB	2.10	0.81
14:BA:1609:UNK:CB	14:BA:1642:UNK:CA	2.59	0.81
7:U3:22:UNK:HA	14:BC:1635:UNK:CB	2.10	0.81
1:L3:435:UNK:CB	14:BC:1644:UNK:HA	2.09	0.81
2:M3:118:UNK:O	2:M3:122:UNK:N	2.13	0.81
7:U2:22:UNK:HA	14:BB:1635:UNK:CB	2.10	0.81
14:BE:1609:UNK:CB	14:BE:1642:UNK:CA	2.59	0.81
2:M4:118:UNK:O	2:M4:122:UNK:N	2.14	0.81
2:M4:281:UNK:O	2:M4:285:UNK:N	2.13	0.81
14:BB:1609:UNK:CB	14:BB:1642:UNK:CA	2.59	0.80
2:M5:118:UNK:O	2:M5:122:UNK:N	2.14	0.80
1:L2:321:UNK:O	1:L2:324:UNK:CA	2.30	0.80
1:L6:321:UNK:O	1:L6:324:UNK:CA	2.30	0.80
2:M1:118:UNK:O	2:M1:122:UNK:N	2.13	0.80
2:M2:118:UNK:O	2:M2:122:UNK:N	2.14	0.80
14:BF:1609:UNK:CB	14:BF:1642:UNK:CA	2.59	0.80
14:BD:1609:UNK:CB	14:BD:1642:UNK:CA	2.59	0.80
1:L5:77:UNK:HA	1:L5:78:UNK:CB	2.10	0.80
2:M1:108:UNK:HA	2:M1:111:UNK:CB	2.12	0.80
7:U3:35:UNK:CB	7:U3:38:UNK:CB	2.60	0.80
14:BC:1609:UNK:CB	14:BC:1642:UNK:CA	2.59	0.80
2:M4:108:UNK:HA	2:M4:111:UNK:CB	2.12	0.80
2:M6:241:UNK:O	2:M6:244:UNK:N	2.15	0.80
2:M5:241:UNK:O	2:M5:244:UNK:N	2.15	0.79
7:U1:22:UNK:HA	14:BA:1635:UNK:CB	2.10	0.79
1:L3:225:UNK:CA	1:L3:229:UNK:CB	2.58	0.79
1:L3:321:UNK:O	1:L3:324:UNK:CA	2.30	0.79
2:M1:207:UNK:O	2:M1:208:UNK:CB	2.30	0.79
2:M1:241:UNK:O	2:M1:244:UNK:N	2.15	0.79
2:M6:207:UNK:O	2:M6:208:UNK:CB	2.30	0.79
7:U2:35:UNK:CB	7:U2:38:UNK:CB	2.60	0.79
1:L1:321:UNK:O	1:L1:324:UNK:CA	2.30	0.79
2:M5:108:UNK:HA	2:M5:111:UNK:CB	2.12	0.79
7:U1:35:UNK:CB	7:U1:38:UNK:CB	2.60	0.79
2:M2:108:UNK:HA	2:M2:111:UNK:CB	2.12	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M4:241:UNK:O	2:M4:244:UNK:N	2.15	0.79
7:U5:21:UNK:C	14:BE:1635:UNK:CB	2.60	0.79
1:L1:225:UNK:CA	1:L1:229:UNK:CB	2.58	0.79
2:M3:108:UNK:HA	2:M3:111:UNK:CB	2.12	0.79
7:U5:35:UNK:CB	7:U5:38:UNK:CB	2.60	0.79
1:L5:321:UNK:O	1:L5:324:UNK:CA	2.29	0.79
7:U3:21:UNK:C	14:BC:1635:UNK:CB	2.60	0.79
1:L4:321:UNK:O	1:L4:324:UNK:CA	2.29	0.79
2:M2:207:UNK:O	2:M2:208:UNK:CB	2.30	0.79
2:M4:207:UNK:O	2:M4:208:UNK:CB	2.30	0.79
14:BD:1602:UNK:C	14:BD:1606:UNK:N	2.30	0.79
2:M6:108:UNK:HA	2:M6:111:UNK:CB	2.12	0.79
7:U2:21:UNK:C	14:BB:1635:UNK:CB	2.60	0.79
7:U1:21:UNK:C	14:BA:1635:UNK:CB	2.60	0.79
14:BD:547:UNK:CA	14:BE:1590:UNK:N	2.34	0.79
2:M5:207:UNK:O	2:M5:208:UNK:CB	2.30	0.79
7:U6:21:UNK:C	14:BF:1635:UNK:CB	2.60	0.79
7:U6:35:UNK:CB	7:U6:38:UNK:CB	2.60	0.78
2:M2:241:UNK:O	2:M2:244:UNK:N	2.15	0.78
7:U4:21:UNK:C	14:BD:1635:UNK:CB	2.60	0.78
1:L5:181:UNK:O	1:L5:182:UNK:C	2.32	0.78
1:L6:225:UNK:CA	1:L6:229:UNK:CB	2.58	0.78
2:M3:241:UNK:O	2:M3:244:UNK:N	2.15	0.78
7:U4:35:UNK:CB	7:U4:38:UNK:CB	2.60	0.78
1:L4:181:UNK:O	1:L4:182:UNK:C	2.32	0.78
2:M6:258:UNK:O	2:M6:262:UNK:N	2.17	0.78
1:L1:14:UNK:O	1:L1:17:UNK:CB	3.29	0.78
1:L2:223:UNK:CB	1:L2:256:UNK:CB	2.62	0.78
2:M2:258:UNK:O	2:M2:262:UNK:N	2.17	0.78
1:L2:14:UNK:O	1:L2:17:UNK:CB	3.29	0.78
1:L3:142:UNK:HA	2:M3:370:UNK:CB	2.14	0.78
1:L3:181:UNK:O	1:L3:182:UNK:C	2.32	0.78
1:L4:14:UNK:O	1:L4:17:UNK:CB	3.29	0.78
1:L5:67:UNK:CB	1:L5:76:UNK:CB	2.62	0.78
1:L2:161:UNK:CA	1:L2:163:UNK:N	2.46	0.77
1:L3:14:UNK:O	1:L3:17:UNK:CB	3.29	0.77
2:M5:191:UNK:CB	2:M5:192:UNK:HA	2.14	0.77
1:L5:142:UNK:HA	2:M5:370:UNK:CB	2.14	0.77
1:L5:14:UNK:O	1:L5:17:UNK:CB	3.29	0.77
2:M3:258:UNK:O	2:M3:262:UNK:N	2.17	0.77
2:M4:258:UNK:O	2:M4:262:UNK:N	2.17	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L1:223:UNK:CB	1:L1:256:UNK:CB	2.62	0.77
1:L2:181:UNK:O	1:L2:182:UNK:C	2.32	0.77
2:M1:258:UNK:O	2:M1:262:UNK:N	2.17	0.77
1:L6:14:UNK:O	1:L6:17:UNK:CB	3.29	0.77
1:L6:142:UNK:HA	2:M6:370:UNK:CB	2.14	0.77
14:BB:1602:UNK:C	14:BB:1606:UNK:N	2.30	0.77
1:L4:225:UNK:CA	1:L4:229:UNK:CB	2.58	0.77
2:M2:191:UNK:CB	2:M2:192:UNK:HA	2.14	0.77
2:M6:113:UNK:HA	2:M6:114:UNK:CB	2.13	0.77
1:L3:67:UNK:CB	1:L3:76:UNK:CB	2.62	0.77
1:L2:142:UNK:HA	2:M2:370:UNK:CB	2.14	0.77
1:L4:142:UNK:HA	2:M4:370:UNK:CB	2.14	0.77
1:L1:142:UNK:HA	2:M1:370:UNK:CB	2.14	0.77
1:L2:67:UNK:CB	1:L2:76:UNK:CB	2.62	0.77
1:L4:223:UNK:CB	1:L4:256:UNK:CB	2.62	0.77
1:L6:181:UNK:O	1:L6:182:UNK:C	2.32	0.77
1:L6:223:UNK:CB	1:L6:256:UNK:CB	2.62	0.77
1:L3:223:UNK:CB	1:L3:256:UNK:CB	2.62	0.77
1:L5:225:UNK:CA	1:L5:229:UNK:CB	2.58	0.77
2:M3:25:UNK:O	2:M3:28:UNK:N	2.18	0.77
2:M5:25:UNK:O	2:M5:28:UNK:N	2.18	0.77
2:M3:113:UNK:HA	2:M3:114:UNK:CB	2.13	0.76
1:L5:223:UNK:CB	1:L5:256:UNK:CB	2.62	0.76
2:M2:113:UNK:HA	2:M2:114:UNK:CB	2.13	0.76
2:M3:207:UNK:O	2:M3:208:UNK:CB	2.30	0.76
2:M4:25:UNK:O	2:M4:28:UNK:N	2.18	0.76
2:M5:258:UNK:O	2:M5:262:UNK:N	2.17	0.76
1:L1:181:UNK:O	1:L1:182:UNK:C	2.32	0.76
1:L4:67:UNK:CB	1:L4:76:UNK:CB	2.62	0.76
1:L6:67:UNK:CB	1:L6:76:UNK:CB	2.62	0.76
2:M3:191:UNK:CB	2:M3:192:UNK:HA	2.14	0.76
2:M4:62:UNK:N	2:M4:63:UNK:HA	2.00	0.76
2:M6:25:UNK:O	2:M6:28:UNK:N	2.18	0.76
2:M2:62:UNK:N	2:M2:63:UNK:HA	2.00	0.76
2:M3:347:UNK:O	2:M3:351:UNK:CA	2.34	0.76
2:M4:447:UNK:O	2:M4:450:UNK:O	2.04	0.76
14:BE:1602:UNK:C	14:BE:1606:UNK:N	2.30	0.76
1:L2:225:UNK:CA	1:L2:229:UNK:CB	2.59	0.76
2:M1:113:UNK:HA	2:M1:114:UNK:CB	2.13	0.76
2:M1:347:UNK:O	2:M1:351:UNK:CA	2.34	0.76
2:M2:447:UNK:O	2:M2:450:UNK:O	2.04	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M6:191:UNK:CB	2:M6:192:UNK:HA	2.14	0.76
1:L1:67:UNK:CB	1:L1:76:UNK:CB	2.62	0.76
2:M1:25:UNK:O	2:M1:28:UNK:N	2.18	0.76
2:M5:347:UNK:O	2:M5:351:UNK:CA	2.34	0.76
14:BA:1602:UNK:C	14:BA:1606:UNK:N	2.30	0.76
1:L6:503:UNK:O	1:L6:507:UNK:N	2.19	0.76
2:M1:62:UNK:N	2:M1:63:UNK:HA	2.00	0.76
2:M2:347:UNK:O	2:M2:351:UNK:CA	2.34	0.76
2:M4:191:UNK:CB	2:M4:192:UNK:HA	2.14	0.76
2:M4:347:UNK:O	2:M4:351:UNK:CA	2.34	0.76
1:L1:503:UNK:O	1:L1:507:UNK:N	2.19	0.76
1:L3:503:UNK:O	1:L3:507:UNK:N	2.19	0.76
2:M1:191:UNK:CB	2:M1:192:UNK:HA	2.14	0.76
2:M5:113:UNK:HA	2:M5:114:UNK:CB	2.13	0.76
1:L4:190:UNK:HA	1:L4:194:UNK:HA	1.68	0.76
1:L5:190:UNK:HA	1:L5:194:UNK:HA	1.68	0.76
2:M6:62:UNK:N	2:M6:63:UNK:HA	2.00	0.76
2:M1:447:UNK:O	2:M1:450:UNK:O	2.04	0.75
2:M4:113:UNK:HA	2:M4:114:UNK:CB	2.13	0.75
2:M3:447:UNK:O	2:M3:450:UNK:O	2.04	0.75
2:M4:372:UNK:O	2:M4:376:UNK:N	2.20	0.75
2:M5:372:UNK:O	2:M5:376:UNK:N	2.20	0.75
2:M1:372:UNK:O	2:M1:376:UNK:N	2.20	0.75
2:M2:25:UNK:O	2:M2:28:UNK:N	2.18	0.75
2:M5:62:UNK:N	2:M5:63:UNK:HA	2.00	0.75
2:M6:347:UNK:O	2:M6:351:UNK:CA	2.34	0.75
1:L4:161:UNK:CA	1:L4:163:UNK:N	2.46	0.75
2:M6:447:UNK:O	2:M6:450:UNK:O	2.04	0.75
2:M5:447:UNK:O	2:M5:450:UNK:O	2.04	0.75
1:L4:503:UNK:O	1:L4:507:UNK:N	2.19	0.75
1:L5:503:UNK:O	1:L5:507:UNK:N	2.19	0.75
2:M3:62:UNK:N	2:M3:63:UNK:HA	2.00	0.75
2:M6:372:UNK:O	2:M6:376:UNK:N	2.20	0.75
1:L3:190:UNK:HA	1:L3:194:UNK:HA	1.68	0.75
2:M1:241:UNK:O	2:M1:242:UNK:C	2.35	0.75
2:M1:275:UNK:O	2:M1:278:UNK:CB	2.35	0.74
1:L2:190:UNK:HA	1:L2:194:UNK:HA	1.68	0.74
2:M2:275:UNK:O	2:M2:278:UNK:CB	2.35	0.74
2:M2:87:UNK:CB	2:M2:88:UNK:HA	2.17	0.74
2:M5:275:UNK:O	2:M5:278:UNK:CB	2.35	0.74
1:L1:190:UNK:HA	1:L1:194:UNK:HA	1.68	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M2:372:UNK:O	2:M2:376:UNK:N	2.20	0.74
2:M3:275:UNK:O	2:M3:278:UNK:CB	2.35	0.74
1:L4:165:UNK:O	1:L4:169:UNK:N	2.20	0.74
2:M2:23:UNK:O	2:M2:25:UNK:N	2.21	0.74
2:M6:87:UNK:CB	2:M6:88:UNK:HA	2.17	0.74
1:L6:190:UNK:HA	1:L6:194:UNK:HA	1.68	0.74
2:M3:372:UNK:O	2:M3:376:UNK:N	2.20	0.74
1:L2:503:UNK:O	1:L2:507:UNK:N	2.19	0.74
1:L3:165:UNK:O	1:L3:169:UNK:N	2.21	0.74
1:L5:165:UNK:O	1:L5:169:UNK:N	2.21	0.74
2:M4:275:UNK:O	2:M4:278:UNK:CB	2.35	0.74
1:L3:207:UNK:HA	1:L3:208:UNK:CB	2.18	0.74
2:M6:241:UNK:O	2:M6:242:UNK:C	2.35	0.74
1:L1:165:UNK:O	1:L1:169:UNK:N	2.21	0.74
1:L2:71:UNK:O	1:L2:72:UNK:CB	2.36	0.74
2:M1:87:UNK:CB	2:M1:88:UNK:HA	2.17	0.74
1:L2:224:UNK:N	1:L2:256:UNK:CB	2.51	0.74
1:L4:224:UNK:N	1:L4:256:UNK:CB	2.51	0.74
1:L4:71:UNK:O	1:L4:72:UNK:CB	2.36	0.74
2:M3:241:UNK:O	2:M3:242:UNK:C	2.35	0.74
1:L1:161:UNK:CA	1:L1:163:UNK:N	2.46	0.74
1:L1:71:UNK:O	1:L1:72:UNK:CB	2.36	0.74
2:M5:23:UNK:O	2:M5:25:UNK:N	2.21	0.74
2:M5:241:UNK:O	2:M5:242:UNK:C	2.35	0.74
2:M5:87:UNK:CB	2:M5:88:UNK:HA	2.17	0.74
1:L6:165:UNK:O	1:L6:169:UNK:N	2.20	0.73
1:L6:224:UNK:N	1:L6:256:UNK:CB	2.51	0.73
2:M3:87:UNK:CB	2:M3:88:UNK:HA	2.17	0.73
1:L2:207:UNK:HA	1:L2:208:UNK:CB	2.18	0.73
1:L2:239:UNK:O	1:L2:240:UNK:O	2.06	0.73
2:M3:23:UNK:O	2:M3:25:UNK:N	2.21	0.73
2:M3:27:UNK:O	2:M3:30:UNK:N	2.21	0.73
2:M6:23:UNK:O	2:M6:25:UNK:N	2.21	0.73
1:L1:207:UNK:HA	1:L1:208:UNK:CB	2.18	0.73
1:L5:207:UNK:HA	1:L5:208:UNK:CB	2.18	0.73
2:M4:87:UNK:CB	2:M4:88:UNK:HA	2.17	0.73
1:L1:223:UNK:C	1:L1:256:UNK:CB	2.67	0.73
1:L1:239:UNK:O	1:L1:240:UNK:O	2.06	0.73
1:L1:224:UNK:N	1:L1:256:UNK:CB	2.51	0.73
1:L2:223:UNK:C	1:L2:256:UNK:CB	2.66	0.73
2:M1:23:UNK:O	2:M1:25:UNK:N	2.21	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M6:275:UNK:O	2:M6:278:UNK:CB	2.35	0.73
1:L5:476:UNK:C	1:L5:480:UNK:CB	2.63	0.73
2:M1:27:UNK:O	2:M1:30:UNK:N	2.22	0.73
1:L2:209:UNK:O	1:L2:212:UNK:CB	2.37	0.73
1:L3:209:UNK:O	1:L3:212:UNK:CB	2.37	0.73
1:L3:239:UNK:O	1:L3:240:UNK:O	2.06	0.73
1:L5:71:UNK:O	1:L5:72:UNK:CB	2.36	0.73
1:L6:209:UNK:O	1:L6:212:UNK:CB	2.37	0.73
2:M4:23:UNK:O	2:M4:25:UNK:N	2.21	0.73
1:L5:223:UNK:C	1:L5:256:UNK:CB	2.67	0.73
1:L5:209:UNK:O	1:L5:212:UNK:CB	2.37	0.73
1:L4:223:UNK:C	1:L4:256:UNK:CB	2.67	0.73
1:L5:224:UNK:N	1:L5:256:UNK:CB	2.51	0.73
2:M2:27:UNK:O	2:M2:30:UNK:N	2.21	0.73
14:BD:1613:UNK:O	14:BD:1617:UNK:CB	2.37	0.73
14:BF:1613:UNK:O	14:BF:1617:UNK:CB	2.37	0.73
1:L2:165:UNK:O	1:L2:169:UNK:N	2.21	0.73
1:L3:224:UNK:N	1:L3:256:UNK:CB	2.51	0.73
1:L6:223:UNK:C	1:L6:256:UNK:CB	2.67	0.73
1:L6:71:UNK:O	1:L6:72:UNK:CB	2.36	0.73
2:M2:241:UNK:O	2:M2:242:UNK:C	2.35	0.73
1:L4:209:UNK:O	1:L4:212:UNK:CB	2.37	0.72
14:BA:1613:UNK:O	14:BA:1617:UNK:CB	2.37	0.72
1:L3:223:UNK:C	1:L3:256:UNK:CB	2.67	0.72
1:L1:209:UNK:O	1:L1:212:UNK:CB	2.37	0.72
1:L5:239:UNK:O	1:L5:240:UNK:O	2.06	0.72
2:M6:27:UNK:O	2:M6:30:UNK:N	2.21	0.72
1:L4:476:UNK:C	1:L4:480:UNK:CB	2.63	0.72
14:BB:1613:UNK:O	14:BB:1617:UNK:CB	2.37	0.72
1:L2:67:UNK:CB	1:L2:76:UNK:CA	2.68	0.72
2:M4:241:UNK:O	2:M4:242:UNK:C	2.35	0.72
2:M5:27:UNK:O	2:M5:30:UNK:N	2.21	0.72
1:L6:161:UNK:CA	1:L6:163:UNK:N	2.46	0.72
2:M1:31:UNK:O	2:M1:32:UNK:C	2.37	0.72
1:L6:207:UNK:HA	1:L6:208:UNK:CB	2.18	0.72
2:M4:27:UNK:O	2:M4:30:UNK:N	2.21	0.72
1:L4:239:UNK:O	1:L4:240:UNK:O	2.06	0.72
2:M1:32:UNK:O	2:M1:35:UNK:N	2.23	0.72
14:BE:1613:UNK:O	14:BE:1617:UNK:CB	2.37	0.72
1:L3:71:UNK:O	1:L3:72:UNK:CB	2.36	0.72
1:L3:67:UNK:CB	1:L3:76:UNK:CA	2.68	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:239:UNK:O	1:L6:240:UNK:O	2.06	0.72
2:M3:32:UNK:O	2:M3:35:UNK:N	2.23	0.72
1:L5:67:UNK:CB	1:L5:76:UNK:CA	2.68	0.72
2:M6:32:UNK:O	2:M6:35:UNK:N	2.23	0.72
14:BC:1613:UNK:O	14:BC:1617:UNK:CB	2.37	0.71
1:L4:182:UNK:O	1:L4:186:UNK:N	2.23	0.71
1:L4:207:UNK:HA	1:L4:208:UNK:CB	2.18	0.71
1:L4:67:UNK:CB	1:L4:76:UNK:CA	2.68	0.71
1:L5:182:UNK:O	1:L5:186:UNK:N	2.23	0.71
2:M3:279:UNK:CB	2:M3:280:UNK:HA	2.20	0.71
2:M4:279:UNK:CB	2:M4:280:UNK:HA	2.20	0.71
1:L3:476:UNK:C	1:L3:480:UNK:CB	2.63	0.71
1:L2:182:UNK:O	1:L2:186:UNK:N	2.23	0.71
1:L6:476:UNK:C	1:L6:480:UNK:CB	2.63	0.71
1:L6:67:UNK:CB	1:L6:76:UNK:CA	2.68	0.71
2:M4:32:UNK:O	2:M4:35:UNK:N	2.23	0.71
2:M6:279:UNK:CB	2:M6:280:UNK:HA	2.20	0.71
1:L1:67:UNK:CB	1:L1:76:UNK:CA	2.68	0.71
1:L6:182:UNK:O	1:L6:186:UNK:N	2.23	0.71
2:M2:279:UNK:CB	2:M2:280:UNK:HA	2.20	0.71
2:M2:32:UNK:O	2:M2:35:UNK:N	2.23	0.71
1:L1:476:UNK:C	1:L1:480:UNK:CB	2.63	0.70
1:L3:182:UNK:O	1:L3:186:UNK:N	2.23	0.70
1:L5:180:UNK:O	1:L5:181:UNK:C	2.37	0.70
2:M5:32:UNK:O	2:M5:35:UNK:N	2.23	0.70
1:L1:182:UNK:O	1:L1:186:UNK:N	2.23	0.70
1:L4:180:UNK:O	1:L4:181:UNK:C	2.37	0.70
1:L4:34:UNK:HA	1:L4:37:UNK:CB	2.22	0.70
1:L1:35:UNK:O	1:L1:39:UNK:N	2.25	0.70
1:L3:161:UNK:CA	1:L3:163:UNK:N	2.46	0.70
2:M5:31:UNK:O	2:M5:32:UNK:C	2.37	0.70
1:L5:161:UNK:CA	1:L5:163:UNK:N	2.46	0.70
1:L5:35:UNK:O	1:L5:39:UNK:N	2.25	0.70
1:L2:35:UNK:O	1:L2:39:UNK:N	2.25	0.70
1:L4:472:UNK:O	1:L4:475:UNK:N	2.25	0.70
2:M1:279:UNK:CB	2:M1:280:UNK:HA	2.20	0.70
2:M5:279:UNK:CB	2:M5:280:UNK:HA	2.20	0.70
1:L1:472:UNK:O	1:L1:475:UNK:N	2.25	0.70
1:L4:35:UNK:O	1:L4:39:UNK:N	2.25	0.70
2:M2:31:UNK:O	2:M2:32:UNK:C	2.37	0.70
2:M6:274:UNK:O	2:M6:278:UNK:CB	2.40	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:35:UNK:O	1:L3:39:UNK:N	2.25	0.69
1:L5:34:UNK:HA	1:L5:37:UNK:CB	2.22	0.69
2:M3:274:UNK:O	2:M3:278:UNK:CB	2.40	0.69
1:L3:34:UNK:HA	1:L3:37:UNK:CB	2.22	0.69
2:M2:274:UNK:O	2:M2:278:UNK:CB	2.40	0.69
1:L1:151:UNK:O	1:L1:155:UNK:N	2.26	0.69
1:L3:180:UNK:O	1:L3:181:UNK:C	2.37	0.69
1:L4:151:UNK:O	1:L4:155:UNK:N	2.26	0.69
1:L1:34:UNK:HA	1:L1:37:UNK:CB	2.22	0.69
2:M1:274:UNK:O	2:M1:278:UNK:CB	2.40	0.69
2:M4:274:UNK:O	2:M4:278:UNK:CB	2.40	0.69
2:M5:21:UNK:O	2:M5:22:UNK:C	2.41	0.69
1:L5:151:UNK:O	1:L5:155:UNK:N	2.26	0.69
1:L6:314:UNK:O	1:L6:317:UNK:CB	2.41	0.69
2:M5:274:UNK:O	2:M5:278:UNK:CB	2.40	0.69
2:M6:31:UNK:O	2:M6:32:UNK:C	2.37	0.69
1:L1:180:UNK:O	1:L1:181:UNK:C	2.37	0.69
1:L3:369:UNK:O	1:L3:373:UNK:N	2.26	0.69
1:L3:472:UNK:O	1:L3:475:UNK:N	2.25	0.69
1:L5:369:UNK:O	1:L5:373:UNK:N	2.26	0.69
1:L6:35:UNK:O	1:L6:39:UNK:N	2.25	0.69
2:M1:21:UNK:O	2:M1:22:UNK:C	2.41	0.69
2:M2:167:UNK:O	2:M2:171:UNK:N	2.26	0.69
2:M6:167:UNK:O	2:M6:171:UNK:N	2.26	0.69
1:L2:314:UNK:O	1:L2:317:UNK:CB	2.41	0.69
1:L2:472:UNK:O	1:L2:475:UNK:N	2.25	0.69
1:L3:314:UNK:O	1:L3:317:UNK:CB	2.41	0.69
1:L4:321:UNK:CA	1:L4:324:UNK:CB	2.70	0.69
1:L5:314:UNK:O	1:L5:317:UNK:CB	2.41	0.69
1:L6:151:UNK:O	1:L6:155:UNK:N	2.26	0.69
2:M3:21:UNK:O	2:M3:22:UNK:C	2.41	0.69
2:M4:21:UNK:O	2:M4:22:UNK:C	2.41	0.69
2:M3:167:UNK:O	2:M3:171:UNK:N	2.26	0.69
2:M4:167:UNK:O	2:M4:171:UNK:N	2.26	0.69
1:L2:34:UNK:HA	1:L2:37:UNK:CB	2.22	0.69
2:M1:167:UNK:O	2:M1:171:UNK:N	2.26	0.69
1:L1:314:UNK:O	1:L1:317:UNK:CB	2.41	0.68
1:L3:151:UNK:O	1:L3:155:UNK:N	2.26	0.68
1:L5:321:UNK:CA	1:L5:324:UNK:CB	2.70	0.68
1:L6:34:UNK:HA	1:L6:37:UNK:CB	2.22	0.68
2:M5:167:UNK:O	2:M5:171:UNK:N	2.26	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L1:369:UNK:O	1:L1:373:UNK:N	2.26	0.68
1:L4:419:UNK:O	1:L4:422:UNK:CB	2.42	0.68
2:M1:60:UNK:C	2:M1:63:UNK:N	2.57	0.68
7:U2:43:UNK:O	7:U2:47:UNK:N	2.26	0.68
7:U5:43:UNK:O	7:U5:47:UNK:N	2.26	0.68
1:L1:321:UNK:CA	1:L1:324:UNK:CB	2.70	0.68
2:M1:60:UNK:C	2:M1:62:UNK:C	2.72	0.68
7:U4:43:UNK:O	7:U4:47:UNK:N	2.26	0.68
1:L4:314:UNK:O	1:L4:317:UNK:CB	2.41	0.68
2:M2:21:UNK:O	2:M2:22:UNK:C	2.41	0.68
2:M3:60:UNK:C	2:M3:62:UNK:C	2.72	0.68
2:M6:60:UNK:C	2:M6:62:UNK:C	2.72	0.68
7:U3:43:UNK:O	7:U3:47:UNK:N	2.26	0.68
7:U6:43:UNK:O	7:U6:47:UNK:N	2.26	0.68
14:BE:1600:UNK:O	14:BE:1604:UNK:N	2.27	0.68
1:L4:369:UNK:O	1:L4:373:UNK:N	2.26	0.68
1:L6:472:UNK:O	1:L6:475:UNK:N	2.25	0.68
2:M5:24:UNK:O	2:M5:27:UNK:CB	2.42	0.68
1:L1:419:UNK:O	1:L1:422:UNK:CB	2.42	0.68
1:L3:419:UNK:O	1:L3:422:UNK:CB	2.42	0.68
2:M4:24:UNK:O	2:M4:27:UNK:CB	2.42	0.68
2:M5:60:UNK:C	2:M5:63:UNK:N	2.57	0.68
14:BA:1600:UNK:O	14:BA:1604:UNK:N	2.27	0.68
14:BD:1600:UNK:O	14:BD:1604:UNK:N	2.27	0.68
1:L2:419:UNK:O	1:L2:422:UNK:CB	2.42	0.68
1:L3:46:UNK:O	1:L3:49:UNK:N	2.27	0.68
1:L5:472:UNK:O	1:L5:475:UNK:N	2.25	0.68
2:M2:60:UNK:C	2:M2:62:UNK:C	2.72	0.68
2:M6:21:UNK:O	2:M6:22:UNK:C	2.41	0.68
1:L6:369:UNK:O	1:L6:373:UNK:N	2.26	0.68
1:L6:46:UNK:O	1:L6:49:UNK:N	2.27	0.68
2:M2:24:UNK:O	2:M2:27:UNK:CB	2.42	0.68
1:L2:369:UNK:O	1:L2:373:UNK:N	2.26	0.68
1:L4:46:UNK:O	1:L4:49:UNK:N	2.27	0.68
2:M1:24:UNK:O	2:M1:27:UNK:CB	2.42	0.68
14:BC:1600:UNK:O	14:BC:1604:UNK:N	2.27	0.68
1:L5:46:UNK:O	1:L5:49:UNK:N	2.27	0.68
2:M3:60:UNK:C	2:M3:63:UNK:N	2.57	0.68
2:M2:60:UNK:C	2:M2:63:UNK:N	2.57	0.67
2:M3:31:UNK:O	2:M3:32:UNK:C	2.37	0.67
1:L2:226:UNK:HA	1:L2:284:UNK:CB	2.25	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L4:226:UNK:HA	1:L4:284:UNK:CB	2.25	0.67
2:M3:24:UNK:O	2:M3:27:UNK:CB	2.42	0.67
2:M4:32:UNK:O	2:M4:33:UNK:C	2.42	0.67
2:M6:32:UNK:O	2:M6:33:UNK:C	2.42	0.67
7:U1:43:UNK:O	7:U1:47:UNK:N	2.26	0.67
1:L1:281:UNK:CB	1:L1:315:UNK:HA	2.25	0.67
1:L3:321:UNK:CA	1:L3:324:UNK:CB	2.70	0.67
1:L6:321:UNK:CA	1:L6:324:UNK:CB	2.70	0.67
1:L6:419:UNK:O	1:L6:422:UNK:CB	2.42	0.67
2:M4:60:UNK:C	2:M4:63:UNK:N	2.57	0.67
2:M4:60:UNK:C	2:M4:62:UNK:C	2.72	0.67
2:M5:32:UNK:O	2:M5:33:UNK:C	2.42	0.67
2:M6:60:UNK:C	2:M6:63:UNK:N	2.57	0.67
14:BB:1600:UNK:O	14:BB:1604:UNK:N	2.27	0.67
2:M3:102:UNK:O	2:M3:106:UNK:CB	2.43	0.67
2:M5:60:UNK:C	2:M5:62:UNK:C	2.72	0.67
14:BF:1600:UNK:O	14:BF:1604:UNK:N	2.27	0.67
1:L2:151:UNK:O	1:L2:155:UNK:N	2.26	0.67
1:L2:281:UNK:CB	1:L2:315:UNK:HA	2.25	0.67
1:L2:321:UNK:CA	1:L2:324:UNK:CB	2.70	0.67
2:M4:31:UNK:O	2:M4:32:UNK:C	2.37	0.67
2:M6:102:UNK:O	2:M6:106:UNK:CB	2.43	0.67
1:L2:178:UNK:CB	1:L2:222:UNK:CB	2.73	0.67
1:L5:281:UNK:CB	1:L5:315:UNK:HA	2.25	0.67
1:L6:180:UNK:O	1:L6:181:UNK:C	2.37	0.67
1:L1:46:UNK:O	1:L1:49:UNK:N	2.27	0.67
1:L2:180:UNK:O	1:L2:181:UNK:C	2.37	0.67
1:L3:226:UNK:HA	1:L3:284:UNK:CB	2.25	0.67
2:M4:278:UNK:O	2:M4:279:UNK:CB	2.43	0.67
2:M6:24:UNK:O	2:M6:27:UNK:CB	2.42	0.67
1:L2:46:UNK:O	1:L2:49:UNK:N	2.27	0.67
1:L6:178:UNK:CB	1:L6:222:UNK:CB	2.73	0.67
1:L6:226:UNK:HA	1:L6:284:UNK:CB	2.25	0.67
2:M3:278:UNK:O	2:M3:279:UNK:CB	2.43	0.67
1:L1:226:UNK:HA	1:L1:284:UNK:CB	2.25	0.67
1:L4:281:UNK:CB	1:L4:315:UNK:HA	2.25	0.67
1:L5:419:UNK:O	1:L5:422:UNK:CB	2.42	0.67
1:L6:281:UNK:CB	1:L6:315:UNK:HA	2.25	0.67
2:M4:102:UNK:O	2:M4:106:UNK:CB	2.43	0.67
1:L2:476:UNK:C	1:L2:480:UNK:CB	2.63	0.67
1:L3:178:UNK:CB	1:L3:222:UNK:CB	2.73	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:321:UNK:C	1:L3:324:UNK:CB	2.73	0.67
2:M3:32:UNK:O	2:M3:33:UNK:C	2.42	0.67
1:L1:178:UNK:CB	1:L1:222:UNK:CB	2.73	0.66
1:L1:297:UNK:HA	1:L1:355:UNK:HA	1.77	0.66
1:L1:321:UNK:C	1:L1:324:UNK:CB	2.73	0.66
1:L2:321:UNK:C	1:L2:324:UNK:CB	2.73	0.66
1:L3:281:UNK:CB	1:L3:315:UNK:HA	2.25	0.66
1:L2:207:UNK:CB	1:L2:209:UNK:HA	2.25	0.66
1:L2:326:UNK:O	1:L2:330:UNK:N	2.29	0.66
1:L3:207:UNK:CB	1:L3:209:UNK:HA	2.25	0.66
1:L3:375:UNK:O	1:L3:376:UNK:C	2.43	0.66
1:L4:178:UNK:CB	1:L4:222:UNK:CB	2.73	0.66
1:L1:207:UNK:CB	1:L1:209:UNK:HA	2.26	0.66
1:L6:207:UNK:CB	1:L6:209:UNK:HA	2.25	0.66
2:M5:278:UNK:O	2:M5:279:UNK:CB	2.43	0.66
2:M6:278:UNK:O	2:M6:279:UNK:CB	2.43	0.66
1:L4:326:UNK:O	1:L4:330:UNK:N	2.29	0.66
1:L5:178:UNK:CB	1:L5:222:UNK:CB	2.73	0.66
1:L6:326:UNK:O	1:L6:330:UNK:N	2.29	0.66
1:L6:61:UNK:HA	1:L6:80:UNK:CB	2.26	0.66
2:M2:102:UNK:O	2:M2:106:UNK:CB	2.43	0.66
1:L2:61:UNK:HA	1:L2:80:UNK:CB	2.26	0.66
2:M5:102:UNK:O	2:M5:106:UNK:CB	2.43	0.66
1:L5:226:UNK:HA	1:L5:284:UNK:CB	2.25	0.66
1:L5:297:UNK:HA	1:L5:355:UNK:HA	1.77	0.66
1:L6:375:UNK:O	1:L6:376:UNK:C	2.43	0.66
1:L4:321:UNK:C	1:L4:324:UNK:CB	2.73	0.66
1:L5:321:UNK:C	1:L5:324:UNK:CB	2.73	0.66
1:L4:297:UNK:HA	1:L4:355:UNK:HA	1.77	0.66
2:M3:281:UNK:O	2:M3:284:UNK:N	2.29	0.66
2:M5:281:UNK:O	2:M5:284:UNK:N	2.29	0.66
1:L3:297:UNK:HA	1:L3:355:UNK:HA	1.77	0.66
2:M1:102:UNK:O	2:M1:106:UNK:CB	2.43	0.66
2:M1:281:UNK:O	2:M1:284:UNK:N	2.29	0.66
1:L3:326:UNK:O	1:L3:330:UNK:N	2.29	0.65
1:L5:375:UNK:O	1:L5:376:UNK:C	2.43	0.65
1:L5:61:UNK:HA	1:L5:80:UNK:CB	2.26	0.65
2:M2:32:UNK:O	2:M2:33:UNK:C	2.42	0.65
2:M3:271:UNK:O	2:M3:272:UNK:C	2.45	0.65
1:L1:61:UNK:HA	1:L1:80:UNK:CB	2.26	0.65
1:L1:375:UNK:O	1:L1:376:UNK:C	2.43	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:207:UNK:CB	1:L5:209:UNK:HA	2.26	0.65
1:L5:326:UNK:O	1:L5:330:UNK:N	2.29	0.65
2:M2:60:UNK:O	2:M2:62:UNK:O	2.15	0.65
2:M3:60:UNK:O	2:M3:62:UNK:O	2.15	0.65
2:M1:32:UNK:O	2:M1:33:UNK:C	2.42	0.65
2:M1:375:UNK:O	2:M1:379:UNK:N	2.30	0.65
2:M4:271:UNK:O	2:M4:272:UNK:C	2.45	0.65
2:M6:375:UNK:O	2:M6:379:UNK:N	2.30	0.65
1:L6:297:UNK:HA	1:L6:355:UNK:HA	1.78	0.65
1:L2:297:UNK:HA	1:L2:355:UNK:HA	1.77	0.65
1:L4:207:UNK:CB	1:L4:209:UNK:HA	2.26	0.65
1:L4:61:UNK:HA	1:L4:80:UNK:CB	2.26	0.65
1:L6:321:UNK:C	1:L6:324:UNK:CB	2.73	0.65
2:M2:375:UNK:O	2:M2:379:UNK:N	2.30	0.65
2:M6:281:UNK:O	2:M6:284:UNK:N	2.29	0.65
1:L2:375:UNK:O	1:L2:376:UNK:C	2.43	0.65
2:M2:180:UNK:O	2:M2:181:UNK:C	2.44	0.65
2:M2:278:UNK:O	2:M2:279:UNK:CB	2.43	0.65
2:M2:281:UNK:O	2:M2:284:UNK:N	2.29	0.65
2:M3:271:UNK:O	2:M3:274:UNK:N	2.30	0.65
2:M6:180:UNK:O	2:M6:181:UNK:C	2.44	0.65
1:L4:375:UNK:O	1:L4:376:UNK:C	2.43	0.65
2:M1:60:UNK:O	2:M1:62:UNK:O	2.15	0.65
2:M2:271:UNK:O	2:M2:274:UNK:N	2.30	0.65
2:M5:271:UNK:O	2:M5:274:UNK:N	2.30	0.65
2:M5:375:UNK:O	2:M5:379:UNK:N	2.30	0.65
2:M6:60:UNK:O	2:M6:62:UNK:O	2.15	0.65
2:M3:180:UNK:O	2:M3:181:UNK:C	2.44	0.65
2:M6:32:UNK:O	2:M6:34:UNK:N	2.30	0.65
2:M1:180:UNK:O	2:M1:181:UNK:C	2.44	0.64
2:M1:278:UNK:O	2:M1:279:UNK:CB	2.43	0.64
2:M2:32:UNK:O	2:M2:34:UNK:N	2.30	0.64
2:M4:32:UNK:O	2:M4:34:UNK:N	2.30	0.64
2:M6:271:UNK:O	2:M6:274:UNK:N	2.30	0.64
14:BC:1590:UNK:CB	14:BF:547:UNK:CB	2.75	0.64
1:L1:210:UNK:O	1:L1:211:UNK:C	2.45	0.64
1:L1:326:UNK:O	1:L1:330:UNK:N	2.29	0.64
1:L3:420:UNK:O	1:L3:424:UNK:N	2.31	0.64
2:M3:32:UNK:O	2:M3:34:UNK:N	2.30	0.64
2:M3:432:UNK:O	2:M3:435:UNK:CB	2.45	0.64
2:M4:382:UNK:O	2:M4:385:UNK:N	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M4:60:UNK:O	2:M4:62:UNK:O	2.15	0.64
2:M5:32:UNK:O	2:M5:34:UNK:N	2.30	0.64
1:L2:420:UNK:O	1:L2:424:UNK:N	2.31	0.64
1:L3:61:UNK:HA	1:L3:80:UNK:CB	2.26	0.64
2:M1:271:UNK:O	2:M1:274:UNK:N	2.30	0.64
2:M1:342:UNK:O	2:M1:343:UNK:CB	2.45	0.64
2:M1:382:UNK:O	2:M1:385:UNK:N	2.31	0.64
2:M3:375:UNK:O	2:M3:379:UNK:N	2.30	0.64
2:M4:180:UNK:O	2:M4:181:UNK:C	2.44	0.64
2:M4:375:UNK:O	2:M4:379:UNK:N	2.30	0.64
1:L1:420:UNK:O	1:L1:424:UNK:N	2.31	0.64
1:L6:420:UNK:O	1:L6:424:UNK:N	2.31	0.64
2:M3:281:UNK:O	2:M3:284:UNK:CA	2.46	0.64
2:M4:271:UNK:O	2:M4:274:UNK:N	2.30	0.64
2:M6:281:UNK:O	2:M6:284:UNK:CA	2.46	0.64
1:L1:209:UNK:O	1:L1:212:UNK:CA	2.46	0.64
1:L2:209:UNK:O	1:L2:212:UNK:CA	2.46	0.64
2:M6:432:UNK:O	2:M6:435:UNK:CB	2.45	0.64
14:BC:1588:UNK:H	14:BF:547:UNK:CB	2.07	0.64
2:M1:281:UNK:O	2:M1:284:UNK:CA	2.46	0.64
2:M2:382:UNK:O	2:M2:385:UNK:N	2.31	0.64
2:M4:281:UNK:O	2:M4:284:UNK:N	2.29	0.64
2:M5:180:UNK:O	2:M5:181:UNK:C	2.44	0.64
2:M6:271:UNK:O	2:M6:272:UNK:C	2.45	0.64
2:M6:342:UNK:O	2:M6:343:UNK:CB	2.45	0.64
2:M6:382:UNK:O	2:M6:385:UNK:N	2.31	0.64
2:M1:123:UNK:O	2:M1:126:UNK:N	2.31	0.64
2:M3:123:UNK:O	2:M3:126:UNK:N	2.31	0.64
2:M4:432:UNK:O	2:M4:435:UNK:CB	2.45	0.64
2:M5:123:UNK:O	2:M5:126:UNK:N	2.31	0.64
2:M5:281:UNK:O	2:M5:284:UNK:CA	2.46	0.64
2:M5:432:UNK:O	2:M5:435:UNK:CB	2.45	0.64
1:L4:209:UNK:O	1:L4:212:UNK:CA	2.46	0.64
1:L5:420:UNK:O	1:L5:424:UNK:N	2.31	0.64
2:M2:432:UNK:O	2:M2:435:UNK:CB	2.46	0.64
2:M5:382:UNK:O	2:M5:385:UNK:N	2.31	0.64
1:L3:209:UNK:O	1:L3:212:UNK:CA	2.46	0.64
1:L4:376:UNK:O	1:L4:377:UNK:C	2.46	0.64
1:L6:209:UNK:O	1:L6:212:UNK:CA	2.46	0.64
2:M1:271:UNK:O	2:M1:272:UNK:C	2.45	0.64
2:M3:382:UNK:O	2:M3:385:UNK:N	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M4:281:UNK:O	2:M4:284:UNK:CA	2.46	0.64
2:M1:432:UNK:O	2:M1:435:UNK:CB	2.46	0.63
2:M4:123:UNK:O	2:M4:126:UNK:N	2.31	0.63
2:M5:271:UNK:O	2:M5:272:UNK:C	2.45	0.63
1:L4:420:UNK:O	1:L4:424:UNK:N	2.31	0.63
1:L6:210:UNK:O	1:L6:211:UNK:C	2.45	0.63
1:L6:376:UNK:O	1:L6:377:UNK:C	2.46	0.63
2:M1:32:UNK:O	2:M1:34:UNK:N	2.30	0.63
2:M6:123:UNK:O	2:M6:126:UNK:N	2.31	0.63
1:L1:376:UNK:O	1:L1:377:UNK:C	2.46	0.63
1:L4:210:UNK:O	1:L4:211:UNK:C	2.45	0.63
2:M1:68:UNK:O	2:M1:70:UNK:N	2.32	0.63
2:M2:342:UNK:O	2:M2:343:UNK:CB	2.45	0.63
2:M4:68:UNK:O	2:M4:70:UNK:N	2.32	0.63
2:M5:60:UNK:O	2:M5:62:UNK:O	2.15	0.63
2:M6:441:UNK:O	2:M6:445:UNK:N	2.32	0.63
2:M2:68:UNK:O	2:M2:70:UNK:N	2.32	0.63
2:M3:342:UNK:O	2:M3:343:UNK:CB	2.45	0.63
7:U5:62:UNK:CB	7:U5:66:UNK:CB	2.77	0.63
2:M4:441:UNK:O	2:M4:445:UNK:N	2.32	0.63
2:M1:441:UNK:O	2:M1:445:UNK:N	2.32	0.63
2:M2:271:UNK:O	2:M2:272:UNK:C	2.45	0.63
2:M5:342:UNK:O	2:M5:343:UNK:CB	2.45	0.63
7:U3:62:UNK:CB	7:U3:66:UNK:CB	2.77	0.63
14:BA:1637:UNK:HA	14:BA:1639:UNK:N	2.14	0.62
14:BF:1637:UNK:HA	14:BF:1639:UNK:N	2.14	0.62
2:M2:123:UNK:O	2:M2:126:UNK:N	2.31	0.62
2:M2:441:UNK:O	2:M2:445:UNK:N	2.32	0.62
14:BD:1637:UNK:HA	14:BD:1639:UNK:N	2.14	0.62
1:L2:116:UNK:O	1:L2:117:UNK:C	2.45	0.62
2:M2:281:UNK:O	2:M2:284:UNK:CA	2.46	0.62
7:U1:62:UNK:CB	7:U1:66:UNK:CB	2.77	0.62
7:U4:62:UNK:CB	7:U4:66:UNK:CB	2.77	0.62
1:L2:376:UNK:O	1:L2:377:UNK:C	2.46	0.62
2:M5:441:UNK:O	2:M5:445:UNK:N	2.32	0.62
14:BB:1637:UNK:HA	14:BB:1639:UNK:N	2.14	0.62
1:L5:209:UNK:O	1:L5:212:UNK:CA	2.46	0.62
1:L5:116:UNK:O	1:L5:117:UNK:C	2.45	0.62
1:L5:210:UNK:O	1:L5:211:UNK:C	2.45	0.62
1:L5:383:UNK:O	1:L5:389:UNK:CB	2.48	0.62
2:M3:441:UNK:O	2:M3:445:UNK:N	2.32	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:383:UNK:O	1:L3:389:UNK:CB	2.48	0.62
1:L5:376:UNK:O	1:L5:377:UNK:C	2.46	0.62
7:U2:62:UNK:CB	7:U2:66:UNK:CB	2.77	0.62
1:L1:376:UNK:O	1:L1:378:UNK:N	2.33	0.62
1:L6:383:UNK:O	1:L6:389:UNK:CB	2.48	0.62
2:M1:26:UNK:O	2:M1:27:UNK:C	2.47	0.62
2:M4:342:UNK:O	2:M4:343:UNK:CB	2.45	0.62
14:BE:1637:UNK:HA	14:BE:1639:UNK:N	2.14	0.62
1:L3:376:UNK:O	1:L3:377:UNK:C	2.46	0.62
1:L4:116:UNK:O	1:L4:117:UNK:C	2.45	0.62
2:M3:68:UNK:O	2:M3:70:UNK:N	2.32	0.62
14:BE:1614:UNK:O	14:BE:1615:UNK:C	2.48	0.61
1:L3:116:UNK:O	1:L3:117:UNK:C	2.45	0.61
7:U6:62:UNK:CB	7:U6:66:UNK:CB	2.77	0.61
2:M1:168:UNK:CB	2:M1:174:UNK:HA	2.30	0.61
2:M6:168:UNK:CB	2:M6:174:UNK:HA	2.30	0.61
1:L5:376:UNK:O	1:L5:378:UNK:N	2.33	0.61
1:L6:376:UNK:O	1:L6:378:UNK:N	2.33	0.61
14:BD:1614:UNK:O	14:BD:1615:UNK:C	2.48	0.61
1:L2:376:UNK:O	1:L2:378:UNK:N	2.33	0.61
1:L3:210:UNK:O	1:L3:211:UNK:C	2.45	0.61
1:L3:376:UNK:O	1:L3:378:UNK:N	2.33	0.61
1:L4:383:UNK:O	1:L4:389:UNK:CB	2.48	0.61
14:BA:1614:UNK:O	14:BA:1615:UNK:C	2.48	0.61
1:L2:210:UNK:O	1:L2:211:UNK:C	2.45	0.61
1:L4:376:UNK:O	1:L4:378:UNK:N	2.33	0.61
2:M3:80:UNK:O	2:M3:81:UNK:C	2.49	0.61
1:L1:383:UNK:O	1:L1:389:UNK:CB	2.48	0.61
1:L2:383:UNK:O	1:L2:389:UNK:CB	2.48	0.61
2:M5:68:UNK:O	2:M5:70:UNK:N	2.32	0.61
14:BB:1614:UNK:O	14:BB:1615:UNK:C	2.48	0.61
2:M2:168:UNK:CB	2:M2:174:UNK:HA	2.30	0.61
2:M3:168:UNK:CB	2:M3:174:UNK:HA	2.30	0.61
2:M4:168:UNK:CB	2:M4:174:UNK:HA	2.30	0.61
14:BC:1591:UNK:CB	14:BF:547:UNK:O	2.49	0.61
2:M6:68:UNK:O	2:M6:70:UNK:N	2.32	0.61
14:BC:1614:UNK:O	14:BC:1615:UNK:C	2.49	0.60
1:L1:19:UNK:O	1:L1:22:UNK:O	6.59	0.60
2:M3:26:UNK:O	2:M3:27:UNK:C	2.47	0.60
2:M5:68:UNK:O	2:M5:71:UNK:N	2.34	0.60
2:M5:113:UNK:HA	2:M5:114:UNK:C	2.31	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M5:80:UNK:O	2:M5:81:UNK:C	2.49	0.60
2:M6:113:UNK:HA	2:M6:114:UNK:C	2.31	0.60
14:BC:1637:UNK:HA	14:BC:1639:UNK:N	2.14	0.60
1:L4:19:UNK:O	1:L4:22:UNK:O	6.59	0.60
2:M2:137:UNK:O	2:M2:138:UNK:CB	2.50	0.60
1:L1:116:UNK:O	1:L1:117:UNK:C	2.45	0.60
1:L1:502:UNK:O	1:L1:506:UNK:N	2.35	0.60
2:M4:137:UNK:O	2:M4:138:UNK:CB	2.50	0.60
2:M6:26:UNK:O	2:M6:27:UNK:C	2.47	0.60
1:L2:502:UNK:O	1:L2:506:UNK:N	2.35	0.60
2:M2:26:UNK:O	2:M2:27:UNK:C	2.47	0.60
1:L6:502:UNK:O	1:L6:506:UNK:N	2.35	0.60
2:M1:68:UNK:O	2:M1:71:UNK:N	2.34	0.60
2:M5:168:UNK:CB	2:M5:174:UNK:HA	2.30	0.60
14:BC:1614:UNK:C	14:BC:1617:UNK:N	2.65	0.60
14:BF:1614:UNK:C	14:BF:1617:UNK:N	2.65	0.60
1:L5:321:UNK:C	1:L5:324:UNK:N	2.65	0.60
2:M4:113:UNK:HA	2:M4:114:UNK:C	2.31	0.60
2:M5:26:UNK:O	2:M5:27:UNK:C	2.47	0.60
1:L4:321:UNK:C	1:L4:324:UNK:N	2.64	0.60
1:L5:19:UNK:O	1:L5:22:UNK:O	6.59	0.60
2:M3:68:UNK:O	2:M3:71:UNK:N	2.34	0.60
2:M6:137:UNK:O	2:M6:138:UNK:CB	2.50	0.60
14:BB:1614:UNK:C	14:BB:1617:UNK:N	2.65	0.60
1:L2:321:UNK:C	1:L2:324:UNK:N	2.64	0.60
1:L3:502:UNK:O	1:L3:506:UNK:N	2.35	0.60
1:L6:463:UNK:O	1:L6:467:UNK:N	2.35	0.60
2:M1:80:UNK:O	2:M1:81:UNK:C	2.49	0.60
2:M2:113:UNK:HA	2:M2:114:UNK:C	2.31	0.60
2:M2:324:UNK:O	2:M2:328:UNK:CB	2.50	0.60
2:M3:324:UNK:O	2:M3:328:UNK:CB	2.50	0.60
1:L1:321:UNK:C	1:L1:324:UNK:N	2.64	0.60
1:L3:463:UNK:O	1:L3:467:UNK:N	2.35	0.60
1:L5:502:UNK:O	1:L5:506:UNK:N	2.35	0.60
2:M2:356:UNK:O	2:M2:360:UNK:N	2.35	0.60
2:M5:137:UNK:O	2:M5:138:UNK:CB	2.50	0.60
1:L5:463:UNK:O	1:L5:467:UNK:N	2.35	0.59
2:M2:80:UNK:O	2:M2:81:UNK:C	2.49	0.59
2:M3:137:UNK:O	2:M3:138:UNK:CB	2.50	0.59
2:M6:324:UNK:O	2:M6:328:UNK:CB	2.50	0.59
2:M6:356:UNK:O	2:M6:360:UNK:N	2.35	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L1:475:UNK:O	1:L1:479:UNK:CB	2.51	0.59
1:L3:128:UNK:O	1:L3:131:UNK:N	2.36	0.59
1:L3:321:UNK:C	1:L3:324:UNK:N	2.64	0.59
1:L4:463:UNK:O	1:L4:467:UNK:N	2.35	0.59
1:L5:475:UNK:O	1:L5:479:UNK:CB	2.51	0.59
1:L6:321:UNK:C	1:L6:324:UNK:N	2.64	0.59
2:M1:324:UNK:O	2:M1:328:UNK:CB	2.50	0.59
2:M6:68:UNK:O	2:M6:71:UNK:N	2.34	0.59
2:M6:80:UNK:O	2:M6:81:UNK:C	2.49	0.59
14:BF:1614:UNK:O	14:BF:1615:UNK:C	2.48	0.59
1:L2:211:UNK:O	1:L2:214:UNK:CB	2.51	0.59
1:L2:316:UNK:O	1:L2:319:UNK:CB	2.51	0.59
1:L4:316:UNK:O	1:L4:319:UNK:CB	2.51	0.59
1:L4:502:UNK:O	1:L4:506:UNK:N	2.35	0.59
2:M1:108:UNK:CA	2:M1:111:UNK:CB	2.80	0.59
1:L1:128:UNK:O	1:L1:131:UNK:N	2.36	0.59
1:L2:19:UNK:O	1:L2:22:UNK:O	6.59	0.59
2:M1:356:UNK:O	2:M1:360:UNK:N	2.35	0.59
2:M2:108:UNK:CA	2:M2:111:UNK:CB	2.80	0.59
2:M2:68:UNK:O	2:M2:71:UNK:N	2.34	0.59
2:M4:356:UNK:O	2:M4:360:UNK:N	2.35	0.59
2:M4:68:UNK:O	2:M4:71:UNK:N	2.34	0.59
1:L2:463:UNK:O	1:L2:467:UNK:N	2.35	0.59
1:L3:211:UNK:O	1:L3:214:UNK:CB	2.51	0.59
2:M1:113:UNK:HA	2:M1:114:UNK:C	2.31	0.59
2:M1:137:UNK:O	2:M1:138:UNK:CB	2.50	0.59
2:M4:80:UNK:O	2:M4:81:UNK:C	2.49	0.59
2:M5:108:UNK:CA	2:M5:111:UNK:CB	2.81	0.59
14:BD:547:UNK:O	14:BE:1588:UNK:C	2.50	0.59
14:BE:1614:UNK:C	14:BE:1617:UNK:N	2.65	0.59
1:L3:19:UNK:O	1:L3:22:UNK:O	6.59	0.59
1:L4:475:UNK:O	1:L4:479:UNK:CB	2.51	0.59
1:L6:19:UNK:O	1:L6:22:UNK:O	6.59	0.59
1:L6:316:UNK:O	1:L6:319:UNK:CB	2.51	0.59
1:L1:463:UNK:O	1:L1:467:UNK:N	2.35	0.59
2:M3:113:UNK:HA	2:M3:114:UNK:C	2.31	0.59
2:M4:108:UNK:CA	2:M4:111:UNK:CB	2.80	0.59
7:U6:9:UNK:O	7:U6:12:UNK:CB	2.51	0.59
14:BA:1614:UNK:C	14:BA:1617:UNK:N	2.65	0.59
1:L3:316:UNK:O	1:L3:319:UNK:CB	2.51	0.59
1:L5:211:UNK:O	1:L5:214:UNK:CB	2.51	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M4:324:UNK:O	2:M4:328:UNK:CB	2.50	0.59
2:M5:94:UNK:O	2:M5:95:UNK:C	2.48	0.59
2:M6:68:UNK:C	2:M6:70:UNK:N	2.66	0.59
1:L1:316:UNK:O	1:L1:319:UNK:CB	2.51	0.59
1:L6:128:UNK:O	1:L6:131:UNK:N	2.36	0.59
2:M3:42:UNK:O	2:M3:44:UNK:N	2.36	0.59
7:U1:9:UNK:O	7:U1:12:UNK:CB	2.51	0.59
7:U2:9:UNK:O	7:U2:12:UNK:CB	2.51	0.59
7:U4:9:UNK:O	7:U4:12:UNK:CB	2.51	0.59
1:L1:211:UNK:O	1:L1:214:UNK:CB	2.51	0.58
1:L6:475:UNK:O	1:L6:479:UNK:CB	2.51	0.58
2:M6:42:UNK:O	2:M6:44:UNK:N	2.36	0.58
1:L5:316:UNK:O	1:L5:319:UNK:CB	2.51	0.58
1:L6:211:UNK:O	1:L6:214:UNK:CB	2.51	0.58
2:M3:356:UNK:O	2:M3:360:UNK:N	2.35	0.58
2:M5:324:UNK:O	2:M5:328:UNK:CB	2.50	0.58
2:M5:42:UNK:O	2:M5:44:UNK:N	2.36	0.58
7:U3:22:UNK:O	7:U3:23:UNK:CB	2.52	0.58
1:L2:475:UNK:O	1:L2:479:UNK:CB	2.51	0.58
1:L3:475:UNK:O	1:L3:479:UNK:CB	2.51	0.58
1:L4:128:UNK:O	1:L4:131:UNK:N	2.36	0.58
2:M2:42:UNK:O	2:M2:44:UNK:N	2.36	0.58
2:M4:42:UNK:O	2:M4:44:UNK:N	2.36	0.58
2:M6:75:UNK:O	2:M6:78:UNK:N	2.37	0.58
1:L2:382:UNK:CB	1:L2:389:UNK:HA	2.34	0.58
1:L4:211:UNK:O	1:L4:214:UNK:CB	2.51	0.58
1:L5:128:UNK:O	1:L5:131:UNK:N	2.36	0.58
2:M1:340:UNK:O	2:M1:342:UNK:N	2.37	0.58
2:M4:26:UNK:O	2:M4:27:UNK:C	2.47	0.58
2:M5:68:UNK:C	2:M5:70:UNK:N	2.66	0.58
1:L5:382:UNK:CB	1:L5:389:UNK:HA	2.34	0.58
2:M1:42:UNK:O	2:M1:44:UNK:N	2.36	0.58
2:M6:108:UNK:CA	2:M6:111:UNK:CB	2.81	0.58
14:BD:586:UNK:O	14:BD:587:UNK:C	2.51	0.58
2:M3:108:UNK:CA	2:M3:111:UNK:CB	2.81	0.58
2:M4:75:UNK:O	2:M4:78:UNK:N	2.37	0.58
7:U3:9:UNK:O	7:U3:12:UNK:CB	2.51	0.58
14:BB:1614:UNK:C	14:BB:1617:UNK:CB	2.82	0.58
14:BC:1614:UNK:C	14:BC:1617:UNK:CB	2.82	0.58
14:BD:1614:UNK:C	14:BD:1617:UNK:N	2.65	0.58
1:L2:419:UNK:O	1:L2:422:UNK:N	2.37	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:382:UNK:CB	1:L6:389:UNK:HA	2.34	0.58
2:M5:356:UNK:O	2:M5:360:UNK:N	2.35	0.58
7:U3:23:UNK:CB	7:U3:24:UNK:CA	2.81	0.58
14:BD:1614:UNK:C	14:BD:1617:UNK:CB	2.82	0.58
14:BF:586:UNK:O	14:BF:587:UNK:C	2.51	0.58
1:L1:38:UNK:O	1:L1:41:UNK:N	2.37	0.58
1:L2:128:UNK:O	1:L2:131:UNK:N	2.36	0.58
1:L2:38:UNK:O	1:L2:41:UNK:N	2.37	0.58
1:L5:38:UNK:O	1:L5:41:UNK:N	2.37	0.58
2:M5:75:UNK:O	2:M5:78:UNK:N	2.37	0.58
7:U5:9:UNK:O	7:U5:12:UNK:CB	2.51	0.58
14:BF:1614:UNK:C	14:BF:1617:UNK:CB	2.82	0.58
1:L1:368:UNK:O	1:L1:372:UNK:N	2.37	0.58
1:L1:382:UNK:CB	1:L1:389:UNK:HA	2.34	0.58
1:L1:419:UNK:O	1:L1:422:UNK:N	2.37	0.58
1:L4:368:UNK:O	1:L4:372:UNK:N	2.37	0.58
2:M4:340:UNK:O	2:M4:342:UNK:N	2.37	0.58
14:BB:586:UNK:O	14:BB:587:UNK:C	2.51	0.57
1:L6:116:UNK:O	1:L6:117:UNK:C	2.45	0.57
1:L2:368:UNK:O	1:L2:372:UNK:N	2.37	0.57
1:L3:419:UNK:O	1:L3:422:UNK:N	2.37	0.57
1:L4:419:UNK:O	1:L4:422:UNK:N	2.37	0.57
1:L5:207:UNK:CA	1:L5:208:UNK:C	2.82	0.57
2:M1:75:UNK:O	2:M1:78:UNK:N	2.37	0.57
2:M2:340:UNK:O	2:M2:342:UNK:N	2.37	0.57
2:M3:75:UNK:O	2:M3:78:UNK:N	2.37	0.57
2:M5:293:UNK:O	2:M5:294:UNK:C	2.52	0.57
14:BA:1614:UNK:C	14:BA:1617:UNK:CB	2.82	0.57
14:BE:1614:UNK:C	14:BE:1617:UNK:CB	2.82	0.57
1:L3:382:UNK:CB	1:L3:389:UNK:HA	2.34	0.57
1:L5:368:UNK:O	1:L5:372:UNK:N	2.37	0.57
1:L6:207:UNK:CA	1:L6:208:UNK:C	2.82	0.57
2:M5:340:UNK:O	2:M5:342:UNK:N	2.37	0.57
2:M2:293:UNK:O	2:M2:294:UNK:C	2.52	0.57
2:M2:75:UNK:O	2:M2:78:UNK:N	2.37	0.57
2:M4:31:UNK:O	2:M4:32:UNK:O	2.23	0.57
7:U6:22:UNK:O	7:U6:23:UNK:CB	2.52	0.57
14:BD:546:UNK:O	14:BE:1588:UNK:N	2.38	0.57
7:U2:22:UNK:O	7:U2:23:UNK:CB	2.52	0.57
7:U5:23:UNK:CB	7:U5:24:UNK:CA	2.81	0.57
1:L5:137:UNK:O	1:L5:140:UNK:N	2.38	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:137:UNK:O	1:L2:140:UNK:N	2.38	0.57
1:L2:207:UNK:CA	1:L2:208:UNK:C	2.82	0.57
1:L3:207:UNK:CA	1:L3:208:UNK:C	2.82	0.57
2:M1:31:UNK:O	2:M1:32:UNK:O	2.23	0.57
2:M6:410:UNK:O	2:M6:414:UNK:N	2.38	0.57
7:U1:22:UNK:O	7:U1:23:UNK:CB	2.52	0.57
7:U1:23:UNK:CB	7:U1:24:UNK:CA	2.81	0.57
1:L3:137:UNK:O	1:L3:140:UNK:N	2.38	0.57
1:L5:419:UNK:O	1:L5:422:UNK:N	2.37	0.57
1:L6:21:UNK:O	1:L6:22:UNK:C	2.52	0.57
1:L6:368:UNK:O	1:L6:372:UNK:N	2.37	0.57
2:M4:293:UNK:O	2:M4:294:UNK:C	2.52	0.57
1:L1:207:UNK:CA	1:L1:208:UNK:C	2.82	0.57
1:L1:488:UNK:O	1:L1:489:UNK:C	2.50	0.57
1:L3:38:UNK:O	1:L3:41:UNK:N	2.37	0.57
1:L6:38:UNK:O	1:L6:41:UNK:N	2.37	0.57
2:M2:31:UNK:O	2:M2:32:UNK:O	2.23	0.57
2:M5:91:UNK:O	2:M5:94:UNK:N	2.38	0.57
2:M6:340:UNK:O	2:M6:342:UNK:N	2.37	0.57
1:L1:65:UNK:CB	1:L1:66:UNK:CA	2.83	0.57
1:L4:137:UNK:O	1:L4:140:UNK:N	2.38	0.57
1:L4:382:UNK:CB	1:L4:389:UNK:HA	2.34	0.57
2:M2:91:UNK:O	2:M2:94:UNK:N	2.38	0.57
1:L2:488:UNK:O	1:L2:489:UNK:C	2.50	0.56
1:L3:21:UNK:O	1:L3:22:UNK:C	2.52	0.56
1:L5:65:UNK:CB	1:L5:66:UNK:CA	2.83	0.56
2:M1:121:UNK:O	2:M1:124:UNK:CB	2.53	0.56
2:M5:180:UNK:C	2:M5:182:UNK:N	2.65	0.56
1:L1:137:UNK:O	1:L1:140:UNK:N	2.38	0.56
1:L4:38:UNK:O	1:L4:41:UNK:N	2.37	0.56
1:L6:419:UNK:O	1:L6:422:UNK:N	2.37	0.56
2:M1:293:UNK:O	2:M1:294:UNK:C	2.52	0.56
2:M3:121:UNK:O	2:M3:124:UNK:CB	2.53	0.56
2:M3:91:UNK:O	2:M3:94:UNK:N	2.38	0.56
2:M4:121:UNK:O	2:M4:124:UNK:CB	2.53	0.56
2:M4:328:UNK:O	2:M4:329:UNK:C	2.52	0.56
2:M4:42:UNK:O	2:M4:43:UNK:C	2.53	0.56
1:L1:156:UNK:O	1:L1:157:UNK:CB	2.54	0.56
1:L2:156:UNK:O	1:L2:157:UNK:CB	2.54	0.56
1:L2:21:UNK:O	1:L2:22:UNK:C	2.52	0.56
1:L3:351:UNK:O	1:L3:352:UNK:CB	2.53	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L4:21:UNK:O	1:L4:22:UNK:C	2.53	0.56
1:L5:376:UNK:C	1:L5:378:UNK:N	2.68	0.56
1:L6:510:UNK:O	1:L6:513:UNK:CB	2.54	0.56
1:L6:65:UNK:CB	1:L6:66:UNK:CA	2.83	0.56
2:M2:410:UNK:O	2:M2:414:UNK:N	2.38	0.56
2:M5:31:UNK:O	2:M5:32:UNK:O	2.23	0.56
7:U2:10:UNK:O	7:U2:13:UNK:CB	2.54	0.56
1:L2:117:UNK:O	1:L2:118:UNK:C	2.54	0.56
1:L3:156:UNK:O	1:L3:157:UNK:CB	2.54	0.56
1:L4:510:UNK:O	1:L4:513:UNK:CB	2.54	0.56
1:L4:65:UNK:CB	1:L4:66:UNK:CA	2.83	0.56
1:L5:21:UNK:O	1:L5:22:UNK:C	2.52	0.56
2:M4:410:UNK:O	2:M4:414:UNK:N	2.38	0.56
2:M4:68:UNK:C	2:M4:70:UNK:N	2.66	0.56
7:U1:10:UNK:O	7:U1:13:UNK:CB	2.54	0.56
14:BC:586:UNK:O	14:BC:587:UNK:C	2.51	0.56
1:L2:65:UNK:CB	1:L2:66:UNK:CA	2.83	0.56
2:M2:68:UNK:C	2:M2:70:UNK:N	2.66	0.56
7:U5:10:UNK:O	7:U5:13:UNK:CB	2.54	0.56
1:L1:366:UNK:O	1:L1:369:UNK:N	2.39	0.56
1:L1:47:UNK:O	1:L1:48:UNK:C	2.53	0.56
1:L3:368:UNK:O	1:L3:372:UNK:N	2.37	0.56
1:L6:156:UNK:O	1:L6:157:UNK:CB	2.54	0.56
2:M1:42:UNK:O	2:M1:43:UNK:C	2.53	0.56
2:M3:340:UNK:O	2:M3:342:UNK:N	2.37	0.56
2:M3:410:UNK:O	2:M3:414:UNK:N	2.38	0.56
2:M3:42:UNK:O	2:M3:43:UNK:C	2.53	0.56
2:M4:91:UNK:O	2:M4:94:UNK:N	2.38	0.56
2:M6:293:UNK:O	2:M6:294:UNK:C	2.52	0.56
2:M6:91:UNK:O	2:M6:94:UNK:N	2.38	0.56
7:U3:49:UNK:O	7:U3:53:UNK:N	2.39	0.56
1:L3:383:UNK:C	1:L3:389:UNK:CB	2.84	0.56
2:M1:176:UNK:CB	2:M1:179:UNK:N	2.69	0.56
2:M2:94:UNK:O	2:M2:95:UNK:C	2.48	0.56
2:M6:31:UNK:O	2:M6:32:UNK:O	2.23	0.56
7:U2:49:UNK:O	7:U2:53:UNK:N	2.39	0.56
1:L5:512:UNK:O	1:L5:513:UNK:C	2.53	0.56
2:M1:328:UNK:O	2:M1:329:UNK:C	2.52	0.56
2:M1:91:UNK:O	2:M1:94:UNK:N	2.38	0.56
2:M2:42:UNK:O	2:M2:43:UNK:C	2.53	0.56
2:M5:410:UNK:O	2:M5:414:UNK:N	2.38	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M6:176:UNK:CB	2:M6:179:UNK:N	2.69	0.56
7:U4:23:UNK:CB	7:U4:24:UNK:CA	2.81	0.56
14:BE:586:UNK:O	14:BE:587:UNK:C	2.51	0.56
1:L2:351:UNK:O	1:L2:352:UNK:CB	2.53	0.56
1:L2:366:UNK:O	1:L2:369:UNK:N	2.39	0.56
1:L3:512:UNK:O	1:L3:513:UNK:C	2.53	0.56
2:M2:121:UNK:O	2:M2:124:UNK:CB	2.53	0.56
2:M2:176:UNK:CB	2:M2:179:UNK:N	2.69	0.56
2:M3:31:UNK:O	2:M3:32:UNK:O	2.23	0.56
2:M5:176:UNK:CB	2:M5:179:UNK:N	2.69	0.56
2:M6:121:UNK:O	2:M6:124:UNK:CB	2.53	0.56
7:U4:49:UNK:O	7:U4:53:UNK:N	2.39	0.56
1:L6:351:UNK:O	1:L6:352:UNK:CB	2.53	0.56
1:L6:512:UNK:O	1:L6:513:UNK:C	2.53	0.56
2:M1:410:UNK:O	2:M1:414:UNK:N	2.38	0.56
2:M4:176:UNK:CB	2:M4:179:UNK:N	2.69	0.56
7:U4:10:UNK:O	7:U4:13:UNK:CB	2.54	0.56
7:U5:49:UNK:O	7:U5:53:UNK:N	2.39	0.56
1:L1:181:UNK:O	1:L1:183:UNK:N	2.39	0.56
1:L1:512:UNK:O	1:L1:513:UNK:C	2.53	0.56
1:L3:510:UNK:O	1:L3:513:UNK:CB	2.54	0.56
1:L5:510:UNK:O	1:L5:513:UNK:CB	2.54	0.56
2:M3:293:UNK:O	2:M3:294:UNK:C	2.52	0.56
2:M3:94:UNK:O	2:M3:95:UNK:C	2.48	0.56
2:M4:94:UNK:O	2:M4:95:UNK:C	2.48	0.56
2:M5:121:UNK:O	2:M5:124:UNK:CB	2.53	0.56
7:U6:10:UNK:O	7:U6:13:UNK:CB	2.54	0.56
1:L1:242:UNK:O	1:L1:245:UNK:N	2.39	0.55
1:L2:181:UNK:O	1:L2:183:UNK:N	2.39	0.55
1:L2:510:UNK:O	1:L2:513:UNK:CB	2.54	0.55
1:L2:77:UNK:CA	1:L2:78:UNK:CB	2.84	0.55
1:L4:366:UNK:O	1:L4:369:UNK:N	2.39	0.55
1:L4:512:UNK:O	1:L4:513:UNK:C	2.53	0.55
1:L5:156:UNK:O	1:L5:157:UNK:CB	2.54	0.55
1:L5:207:UNK:CB	1:L5:208:UNK:C	2.84	0.55
1:L6:181:UNK:O	1:L6:183:UNK:N	2.39	0.55
2:M3:176:UNK:CB	2:M3:179:UNK:N	2.69	0.55
7:U1:49:UNK:O	7:U1:53:UNK:N	2.39	0.55
1:L1:207:UNK:CB	1:L1:208:UNK:C	2.84	0.55
1:L1:351:UNK:O	1:L1:352:UNK:CB	2.53	0.55
1:L3:65:UNK:CB	1:L3:66:UNK:CA	2.83	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L4:201:UNK:O	1:L4:202:UNK:C	2.54	0.55
1:L4:207:UNK:CB	1:L4:208:UNK:C	2.84	0.55
1:L4:383:UNK:C	1:L4:389:UNK:CB	2.84	0.55
1:L5:366:UNK:O	1:L5:369:UNK:N	2.39	0.55
1:L6:137:UNK:O	1:L6:140:UNK:N	2.38	0.55
1:L6:383:UNK:C	1:L6:389:UNK:CB	2.84	0.55
2:M6:227:UNK:CA	2:M6:228:UNK:CB	2.85	0.55
14:BD:547:UNK:CB	14:BE:1590:UNK:CA	2.79	0.55
1:L1:21:UNK:O	1:L1:22:UNK:C	2.53	0.55
1:L1:383:UNK:C	1:L1:389:UNK:CB	2.84	0.55
1:L3:242:UNK:O	1:L3:245:UNK:N	2.39	0.55
1:L6:366:UNK:O	1:L6:369:UNK:N	2.39	0.55
2:M1:209:UNK:O	2:M1:211:UNK:O	2.25	0.55
2:M1:94:UNK:O	2:M1:97:UNK:N	2.40	0.55
7:U5:22:UNK:O	7:U5:23:UNK:CB	2.52	0.55
1:L2:207:UNK:CB	1:L2:208:UNK:C	2.84	0.55
1:L2:383:UNK:C	1:L2:389:UNK:CB	2.84	0.55
1:L3:181:UNK:O	1:L3:183:UNK:N	2.39	0.55
1:L5:383:UNK:C	1:L5:389:UNK:CB	2.84	0.55
1:L5:65:UNK:CB	1:L5:66:UNK:C	2.83	0.55
2:M2:188:UNK:CB	2:M2:189:UNK:CB	2.85	0.55
2:M3:61:UNK:CA	2:M3:62:UNK:C	2.85	0.55
2:M4:227:UNK:CA	2:M4:228:UNK:CB	2.85	0.55
2:M6:94:UNK:O	2:M6:97:UNK:N	2.40	0.55
1:L1:201:UNK:O	1:L1:202:UNK:C	2.54	0.55
1:L1:510:UNK:O	1:L1:513:UNK:CB	2.54	0.55
1:L2:242:UNK:O	1:L2:245:UNK:N	2.39	0.55
1:L2:512:UNK:O	1:L2:513:UNK:C	2.53	0.55
1:L3:201:UNK:O	1:L3:202:UNK:C	2.54	0.55
1:L3:366:UNK:O	1:L3:369:UNK:N	2.39	0.55
1:L4:156:UNK:O	1:L4:157:UNK:CB	2.54	0.55
1:L5:188:UNK:CB	1:L5:211:UNK:CB	2.84	0.55
1:L5:242:UNK:O	1:L5:245:UNK:N	2.39	0.55
1:L6:242:UNK:O	1:L6:245:UNK:N	2.39	0.55
2:M1:188:UNK:CB	2:M1:189:UNK:CB	2.85	0.55
2:M1:94:UNK:O	2:M1:95:UNK:C	2.48	0.55
2:M3:209:UNK:O	2:M3:211:UNK:O	2.25	0.55
2:M4:188:UNK:CB	2:M4:189:UNK:CB	2.85	0.55
2:M4:209:UNK:O	2:M4:211:UNK:O	2.25	0.55
2:M5:209:UNK:O	2:M5:211:UNK:O	2.25	0.55
2:M6:42:UNK:O	2:M6:43:UNK:C	2.53	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:U3:30:UNK:CB	7:U3:34:UNK:CB	2.85	0.55
1:L2:201:UNK:O	1:L2:202:UNK:C	2.54	0.55
1:L2:61:UNK:CB	1:L2:80:UNK:CB	2.85	0.55
1:L4:242:UNK:O	1:L4:245:UNK:N	2.39	0.55
2:M1:25:UNK:O	2:M1:26:UNK:C	2.55	0.55
2:M3:227:UNK:CA	2:M3:228:UNK:CB	2.85	0.55
2:M5:42:UNK:O	2:M5:43:UNK:C	2.53	0.55
2:M5:94:UNK:O	2:M5:97:UNK:N	2.40	0.55
7:U1:30:UNK:CB	7:U1:34:UNK:CB	2.85	0.55
7:U4:30:UNK:CB	7:U4:34:UNK:CB	2.85	0.55
7:U6:30:UNK:CB	7:U6:34:UNK:CB	2.85	0.55
7:U6:49:UNK:O	7:U6:53:UNK:N	2.39	0.55
1:L1:310:UNK:O	1:L1:313:UNK:CB	2.55	0.55
1:L3:188:UNK:CB	1:L3:211:UNK:CB	2.85	0.55
1:L3:310:UNK:O	1:L3:313:UNK:CB	2.55	0.55
1:L4:351:UNK:O	1:L4:352:UNK:CB	2.53	0.55
1:L5:111:UNK:CB	1:L5:114:UNK:CB	2.85	0.55
1:L5:181:UNK:O	1:L5:183:UNK:N	2.39	0.55
1:L6:188:UNK:CB	1:L6:211:UNK:CB	2.85	0.55
1:L6:207:UNK:CB	1:L6:208:UNK:C	2.84	0.55
2:M2:227:UNK:CA	2:M2:228:UNK:CB	2.85	0.55
2:M4:94:UNK:O	2:M4:97:UNK:N	2.40	0.55
2:M5:188:UNK:CB	2:M5:189:UNK:CB	2.85	0.55
2:M6:209:UNK:O	2:M6:211:UNK:O	2.25	0.55
1:L1:376:UNK:C	1:L1:378:UNK:N	2.68	0.55
1:L2:28:UNK:CB	1:L2:31:UNK:CB	2.85	0.55
1:L3:117:UNK:O	1:L3:118:UNK:C	2.54	0.55
1:L4:188:UNK:CB	1:L4:211:UNK:CB	2.85	0.55
1:L5:117:UNK:O	1:L5:118:UNK:C	2.54	0.55
1:L5:201:UNK:O	1:L5:202:UNK:C	2.54	0.55
1:L5:351:UNK:O	1:L5:352:UNK:CB	2.53	0.55
1:L6:197:UNK:CB	1:L6:200:UNK:CB	2.85	0.55
2:M2:133:UNK:CA	2:M2:224:UNK:CB	2.85	0.55
2:M3:279:UNK:CB	2:M3:280:UNK:CA	2.85	0.55
2:M4:61:UNK:CA	2:M4:62:UNK:C	2.85	0.55
2:M6:113:UNK:CA	2:M6:114:UNK:C	2.85	0.55
7:U3:10:UNK:O	7:U3:13:UNK:CB	2.54	0.55
14:BD:1637:UNK:HA	14:BD:1639:UNK:O	2.07	0.55
1:L2:38:UNK:O	1:L2:39:UNK:C	2.55	0.55
1:L3:197:UNK:CB	1:L3:200:UNK:CB	2.85	0.55
1:L5:310:UNK:O	1:L5:313:UNK:CB	2.55	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:310:UNK:O	1:L6:313:UNK:CB	2.55	0.55
2:M2:372:UNK:CB	2:M2:375:UNK:CB	2.85	0.55
2:M5:227:UNK:CA	2:M5:228:UNK:CB	2.85	0.55
2:M6:94:UNK:O	2:M6:95:UNK:C	2.48	0.55
1:L1:117:UNK:O	1:L1:118:UNK:C	2.54	0.55
1:L1:188:UNK:CB	1:L1:211:UNK:CB	2.85	0.55
1:L4:197:UNK:CB	1:L4:200:UNK:CB	2.85	0.55
2:M1:61:UNK:CA	2:M1:62:UNK:C	2.85	0.55
7:U1:43:UNK:CB	7:U1:46:UNK:CB	2.85	0.55
14:BE:1637:UNK:HA	14:BE:1639:UNK:O	2.08	0.54
14:BF:1637:UNK:HA	14:BF:1639:UNK:O	2.07	0.54
1:L2:197:UNK:CB	1:L2:200:UNK:CB	2.85	0.54
1:L3:207:UNK:CB	1:L3:208:UNK:C	2.84	0.54
1:L4:55:UNK:CB	1:L4:56:UNK:CB	2.86	0.54
1:L6:176:UNK:O	1:L6:179:UNK:CB	2.56	0.54
1:L6:38:UNK:O	1:L6:39:UNK:C	2.55	0.54
2:M2:241:UNK:O	2:M2:243:UNK:N	2.40	0.54
2:M3:188:UNK:CB	2:M3:189:UNK:CB	2.85	0.54
2:M4:372:UNK:CB	2:M4:375:UNK:CB	2.85	0.54
2:M5:372:UNK:CB	2:M5:375:UNK:CB	2.85	0.54
7:U2:30:UNK:CB	7:U2:34:UNK:CB	2.85	0.54
7:U4:43:UNK:CB	7:U4:46:UNK:CB	2.85	0.54
7:U6:43:UNK:CB	7:U6:46:UNK:CB	2.85	0.54
1:L1:176:UNK:O	1:L1:179:UNK:CB	2.56	0.54
1:L1:55:UNK:CB	1:L1:56:UNK:CB	2.86	0.54
1:L2:188:UNK:CB	1:L2:211:UNK:CB	2.84	0.54
1:L2:210:UNK:O	1:L2:213:UNK:N	2.41	0.54
1:L5:210:UNK:O	1:L5:213:UNK:N	2.41	0.54
1:L5:55:UNK:CB	1:L5:56:UNK:CB	2.85	0.54
2:M1:227:UNK:CA	2:M1:228:UNK:CB	2.85	0.54
2:M3:241:UNK:O	2:M3:243:UNK:N	2.40	0.54
2:M5:61:UNK:CA	2:M5:62:UNK:C	2.85	0.54
2:M6:241:UNK:O	2:M6:243:UNK:N	2.40	0.54
7:U3:43:UNK:CB	7:U3:46:UNK:CB	2.85	0.54
7:U4:22:UNK:O	7:U4:23:UNK:CB	2.52	0.54
14:BA:1637:UNK:HA	14:BA:1639:UNK:O	2.08	0.54
14:BA:586:UNK:O	14:BA:587:UNK:C	2.51	0.54
1:L1:61:UNK:CB	1:L1:80:UNK:CB	2.85	0.54
1:L3:28:UNK:CB	1:L3:31:UNK:CB	2.85	0.54
1:L3:61:UNK:CB	1:L3:80:UNK:CB	2.85	0.54
1:L4:176:UNK:O	1:L4:179:UNK:CB	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L4:28:UNK:CB	1:L4:31:UNK:CB	2.85	0.54
1:L6:117:UNK:O	1:L6:118:UNK:C	2.54	0.54
2:M2:328:UNK:O	2:M2:329:UNK:C	2.52	0.54
2:M3:68:UNK:C	2:M3:70:UNK:N	2.66	0.54
2:M5:113:UNK:CA	2:M5:114:UNK:C	2.85	0.54
1:L2:55:UNK:CB	1:L2:56:UNK:CB	2.85	0.54
1:L3:111:UNK:CB	1:L3:114:UNK:CB	2.85	0.54
1:L3:176:UNK:O	1:L3:179:UNK:CB	2.56	0.54
1:L3:38:UNK:O	1:L3:39:UNK:C	2.55	0.54
1:L4:111:UNK:CB	1:L4:114:UNK:CB	2.85	0.54
1:L4:181:UNK:O	1:L4:183:UNK:N	2.39	0.54
1:L4:310:UNK:O	1:L4:313:UNK:CB	2.55	0.54
1:L4:61:UNK:CB	1:L4:80:UNK:CB	2.85	0.54
2:M2:94:UNK:O	2:M2:97:UNK:N	2.40	0.54
2:M4:113:UNK:CA	2:M4:114:UNK:C	2.85	0.54
2:M4:241:UNK:O	2:M4:243:UNK:N	2.40	0.54
2:M6:133:UNK:CA	2:M6:224:UNK:CB	2.85	0.54
7:U2:43:UNK:CB	7:U2:46:UNK:CB	2.85	0.54
1:L1:197:UNK:CB	1:L1:200:UNK:CB	2.85	0.54
1:L1:210:UNK:O	1:L1:213:UNK:N	2.41	0.54
2:M1:372:UNK:CB	2:M1:375:UNK:CB	2.85	0.54
2:M6:188:UNK:CB	2:M6:189:UNK:CB	2.85	0.54
2:M6:279:UNK:CB	2:M6:280:UNK:CA	2.85	0.54
2:M6:61:UNK:CA	2:M6:62:UNK:C	2.85	0.54
14:BB:1637:UNK:HA	14:BB:1639:UNK:O	2.07	0.54
14:BC:1637:UNK:HA	14:BC:1639:UNK:O	2.07	0.54
1:L1:111:UNK:CB	1:L1:114:UNK:CB	2.85	0.54
1:L3:210:UNK:O	1:L3:213:UNK:N	2.41	0.54
1:L5:127:UNK:O	1:L5:131:UNK:N	2.41	0.54
1:L6:111:UNK:CB	1:L6:114:UNK:CB	2.85	0.54
2:M3:113:UNK:CA	2:M3:114:UNK:C	2.85	0.54
1:L2:111:UNK:CB	1:L2:114:UNK:CB	2.85	0.54
1:L3:488:UNK:O	1:L3:489:UNK:C	2.50	0.54
1:L4:207:UNK:CA	1:L4:208:UNK:C	2.82	0.54
1:L5:176:UNK:O	1:L5:179:UNK:CB	2.56	0.54
1:L5:61:UNK:CB	1:L5:80:UNK:CB	2.85	0.54
1:L6:55:UNK:CB	1:L6:56:UNK:CB	2.86	0.54
2:M1:133:UNK:CA	2:M1:224:UNK:CB	2.85	0.54
2:M4:279:UNK:CB	2:M4:280:UNK:CA	2.85	0.54
2:M4:343:UNK:C	2:M4:345:UNK:N	2.71	0.54
14:BE:1600:UNK:O	14:BE:1604:UNK:CB	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:127:UNK:O	1:L2:131:UNK:N	2.41	0.54
1:L3:127:UNK:O	1:L3:131:UNK:N	2.41	0.54
1:L3:69:UNK:CB	1:L3:74:UNK:HA	2.38	0.54
1:L5:28:UNK:CB	1:L5:31:UNK:CB	2.85	0.54
2:M2:343:UNK:C	2:M2:345:UNK:N	2.71	0.54
2:M3:372:UNK:CB	2:M3:375:UNK:CB	2.85	0.54
2:M4:180:UNK:C	2:M4:182:UNK:N	2.65	0.54
7:U5:30:UNK:CB	7:U5:34:UNK:CB	2.85	0.54
1:L1:28:UNK:CB	1:L1:31:UNK:CB	2.85	0.54
1:L1:38:UNK:O	1:L1:39:UNK:C	2.55	0.54
1:L1:69:UNK:CB	1:L1:74:UNK:HA	2.38	0.54
1:L2:176:UNK:O	1:L2:179:UNK:CB	2.56	0.54
1:L3:55:UNK:CB	1:L3:56:UNK:CB	2.86	0.54
1:L5:47:UNK:O	1:L5:48:UNK:C	2.53	0.54
1:L6:61:UNK:CB	1:L6:80:UNK:CB	2.85	0.54
2:M2:391:UNK:O	2:M2:392:UNK:CB	2.56	0.54
2:M3:180:UNK:C	2:M3:182:UNK:N	2.65	0.54
2:M3:25:UNK:O	2:M3:26:UNK:C	2.55	0.54
2:M5:133:UNK:CA	2:M5:224:UNK:CB	2.85	0.54
2:M5:25:UNK:O	2:M5:26:UNK:C	2.55	0.54
2:M5:343:UNK:C	2:M5:345:UNK:N	2.71	0.54
1:L4:31:UNK:O	1:L4:35:UNK:N	2.41	0.54
1:L4:47:UNK:O	1:L4:48:UNK:C	2.53	0.54
1:L5:197:UNK:CB	1:L5:200:UNK:CB	2.85	0.54
1:L6:31:UNK:O	1:L6:35:UNK:N	2.41	0.54
2:M1:325:UNK:O	2:M1:329:UNK:N	2.42	0.54
14:BC:1600:UNK:O	14:BC:1604:UNK:CB	2.56	0.53
1:L1:77:UNK:CA	1:L1:78:UNK:CB	2.84	0.53
1:L2:31:UNK:O	1:L2:35:UNK:N	2.41	0.53
1:L4:210:UNK:O	1:L4:213:UNK:N	2.41	0.53
1:L5:69:UNK:CB	1:L5:74:UNK:HA	2.38	0.53
1:L6:376:UNK:C	1:L6:378:UNK:N	2.68	0.53
1:L6:55:UNK:N	1:L6:56:UNK:C	2.71	0.53
2:M2:209:UNK:O	2:M2:211:UNK:O	2.25	0.53
2:M2:279:UNK:CB	2:M2:280:UNK:CA	2.85	0.53
2:M2:325:UNK:O	2:M2:329:UNK:N	2.41	0.53
2:M3:133:UNK:CA	2:M3:224:UNK:CB	2.85	0.53
2:M3:325:UNK:O	2:M3:329:UNK:N	2.42	0.53
2:M6:325:UNK:O	2:M6:329:UNK:N	2.42	0.53
1:L1:127:UNK:O	1:L1:131:UNK:N	2.41	0.53
1:L1:55:UNK:N	1:L1:56:UNK:C	2.71	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:310:UNK:O	1:L2:313:UNK:CB	2.55	0.53
1:L3:55:UNK:N	1:L3:56:UNK:C	2.71	0.53
1:L5:31:UNK:O	1:L5:35:UNK:N	2.41	0.53
1:L6:210:UNK:O	1:L6:213:UNK:N	2.41	0.53
1:L6:28:UNK:CB	1:L6:31:UNK:CB	2.85	0.53
2:M2:364:UNK:O	2:M2:367:UNK:CB	2.56	0.53
2:M2:61:UNK:CA	2:M2:62:UNK:C	2.85	0.53
2:M5:362:UNK:O	2:M5:365:UNK:N	2.42	0.53
2:M6:362:UNK:O	2:M6:365:UNK:N	2.42	0.53
2:M6:372:UNK:CB	2:M6:375:UNK:CB	2.85	0.53
1:L3:376:UNK:C	1:L3:378:UNK:N	2.68	0.53
1:L4:376:UNK:C	1:L4:378:UNK:N	2.68	0.53
1:L5:38:UNK:O	1:L5:39:UNK:C	2.55	0.53
1:L6:47:UNK:O	1:L6:48:UNK:C	2.53	0.53
1:L6:69:UNK:CB	1:L6:74:UNK:HA	2.38	0.53
2:M1:391:UNK:O	2:M1:392:UNK:CB	2.56	0.53
2:M2:25:UNK:O	2:M2:26:UNK:C	2.55	0.53
2:M3:362:UNK:O	2:M3:365:UNK:N	2.42	0.53
2:M3:364:UNK:O	2:M3:367:UNK:CB	2.56	0.53
2:M3:94:UNK:O	2:M3:97:UNK:N	2.40	0.53
14:BD:547:UNK:C	14:BE:1591:UNK:N	2.70	0.53
1:L1:31:UNK:O	1:L1:35:UNK:N	2.41	0.53
1:L2:69:UNK:CB	1:L2:74:UNK:HA	2.38	0.53
1:L3:31:UNK:O	1:L3:35:UNK:N	2.41	0.53
1:L4:117:UNK:O	1:L4:118:UNK:C	2.54	0.53
1:L4:127:UNK:O	1:L4:131:UNK:N	2.41	0.53
1:L4:69:UNK:CB	1:L4:74:UNK:HA	2.38	0.53
2:M1:180:UNK:C	2:M1:182:UNK:N	2.65	0.53
2:M1:241:UNK:O	2:M1:243:UNK:N	2.40	0.53
2:M1:364:UNK:O	2:M1:367:UNK:N	2.42	0.53
2:M3:393:UNK:O	2:M3:394:UNK:C	2.56	0.53
2:M4:133:UNK:CA	2:M4:224:UNK:CB	2.85	0.53
2:M5:241:UNK:O	2:M5:243:UNK:N	2.40	0.53
2:M5:364:UNK:O	2:M5:367:UNK:N	2.42	0.53
2:M6:343:UNK:C	2:M6:345:UNK:N	2.71	0.53
7:U5:43:UNK:CB	7:U5:46:UNK:CB	2.85	0.53
14:BF:1600:UNK:O	14:BF:1604:UNK:CB	2.56	0.53
1:L5:77:UNK:CA	1:L5:78:UNK:CB	2.84	0.53
2:M1:279:UNK:CB	2:M1:280:UNK:CA	2.85	0.53
2:M5:341:UNK:O	2:M5:342:UNK:C	2.56	0.53
2:M5:393:UNK:O	2:M5:394:UNK:C	2.57	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M6:391:UNK:O	2:M6:392:UNK:CB	2.56	0.53
14:BD:1600:UNK:O	14:BD:1604:UNK:CB	2.56	0.53
1:L4:488:UNK:O	1:L4:489:UNK:C	2.50	0.53
1:L4:55:UNK:N	1:L4:56:UNK:C	2.71	0.53
1:L4:94:UNK:O	1:L4:95:UNK:C	2.56	0.53
1:L6:127:UNK:O	1:L6:131:UNK:N	2.41	0.53
2:M1:227:UNK:N	2:M1:228:UNK:CB	2.72	0.53
2:M1:341:UNK:O	2:M1:342:UNK:C	2.56	0.53
2:M1:362:UNK:O	2:M1:365:UNK:N	2.42	0.53
2:M2:180:UNK:C	2:M2:182:UNK:N	2.65	0.53
2:M2:341:UNK:O	2:M2:342:UNK:C	2.56	0.53
2:M4:364:UNK:O	2:M4:367:UNK:CB	2.56	0.53
2:M6:256:UNK:O	2:M6:257:UNK:C	2.56	0.53
2:M6:25:UNK:O	2:M6:26:UNK:C	2.55	0.53
7:U6:23:UNK:CB	7:U6:24:UNK:CA	2.81	0.53
1:L2:383:UNK:N	1:L2:389:UNK:CB	2.72	0.53
1:L5:55:UNK:N	1:L5:56:UNK:C	2.71	0.53
1:L5:67:UNK:CB	1:L5:75:UNK:O	2.57	0.53
1:L6:67:UNK:CB	1:L6:75:UNK:O	2.57	0.53
2:M1:256:UNK:O	2:M1:257:UNK:C	2.56	0.53
2:M1:393:UNK:O	2:M1:394:UNK:C	2.57	0.53
2:M2:241:UNK:C	2:M2:243:UNK:N	2.71	0.53
2:M3:364:UNK:O	2:M3:367:UNK:N	2.42	0.53
2:M3:3:UNK:H	2:M3:6:UNK:CB	2.22	0.53
2:M4:391:UNK:O	2:M4:392:UNK:CB	2.56	0.53
14:BB:1600:UNK:O	14:BB:1604:UNK:CB	2.56	0.53
1:L2:181:UNK:C	1:L2:183:UNK:N	2.71	0.53
2:M1:364:UNK:O	2:M1:367:UNK:CB	2.56	0.53
2:M3:341:UNK:O	2:M3:342:UNK:C	2.56	0.53
2:M4:241:UNK:C	2:M4:243:UNK:N	2.71	0.53
2:M4:325:UNK:O	2:M4:329:UNK:N	2.41	0.53
2:M6:392:UNK:C	2:M6:394:UNK:N	2.68	0.53
7:U4:37:UNK:HA	7:U4:42:UNK:CB	2.39	0.53
1:L1:67:UNK:CB	1:L1:75:UNK:O	2.57	0.53
1:L4:38:UNK:O	1:L4:39:UNK:C	2.55	0.53
1:L6:383:UNK:N	1:L6:389:UNK:CB	2.72	0.53
2:M2:227:UNK:N	2:M2:228:UNK:CB	2.72	0.53
2:M2:364:UNK:O	2:M2:367:UNK:N	2.42	0.53
2:M4:341:UNK:O	2:M4:342:UNK:C	2.56	0.53
2:M5:325:UNK:O	2:M5:329:UNK:N	2.42	0.53
2:M6:341:UNK:O	2:M6:342:UNK:C	2.56	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
7:U2:37:UNK:HA	7:U2:42:UNK:CB	2.39	0.53
1:L2:241:UNK:O	1:L2:244:UNK:CB	2.57	0.53
1:L2:67:UNK:CB	1:L2:75:UNK:O	2.57	0.53
1:L3:181:UNK:C	1:L3:183:UNK:N	2.71	0.53
1:L4:241:UNK:O	1:L4:244:UNK:CB	2.57	0.53
1:L6:207:UNK:CB	1:L6:209:UNK:N	2.72	0.53
2:M4:362:UNK:O	2:M4:365:UNK:N	2.42	0.53
2:M5:279:UNK:CB	2:M5:280:UNK:CA	2.85	0.53
2:M6:227:UNK:N	2:M6:228:UNK:CB	2.72	0.53
2:M6:364:UNK:O	2:M6:367:UNK:N	2.42	0.53
14:BA:1600:UNK:O	14:BA:1604:UNK:CB	2.56	0.52
1:L2:161:UNK:CB	1:L2:162:UNK:HA	2.40	0.52
1:L2:207:UNK:CB	1:L2:209:UNK:N	2.72	0.52
1:L2:47:UNK:O	1:L2:48:UNK:C	2.53	0.52
1:L2:94:UNK:O	1:L2:95:UNK:C	2.56	0.52
1:L3:383:UNK:N	1:L3:389:UNK:CB	2.72	0.52
1:L4:161:UNK:HA	1:L4:163:UNK:CA	2.38	0.52
1:L6:161:UNK:CB	1:L6:162:UNK:HA	2.40	0.52
2:M2:362:UNK:O	2:M2:365:UNK:N	2.42	0.52
2:M3:227:UNK:N	2:M3:228:UNK:CB	2.72	0.52
2:M4:287:UNK:O	2:M4:288:UNK:C	2.57	0.52
2:M5:328:UNK:O	2:M5:329:UNK:C	2.52	0.52
7:U3:37:UNK:HA	7:U3:42:UNK:CB	2.39	0.52
1:L1:207:UNK:CB	1:L1:209:UNK:N	2.72	0.52
1:L3:323:UNK:CB	1:L3:475:UNK:CB	2.88	0.52
1:L4:67:UNK:CB	1:L4:75:UNK:O	2.57	0.52
1:L5:94:UNK:O	1:L5:95:UNK:C	2.56	0.52
2:M4:364:UNK:O	2:M4:367:UNK:N	2.42	0.52
2:M6:364:UNK:O	2:M6:367:UNK:CB	2.56	0.52
2:M6:61:UNK:N	2:M6:62:UNK:C	2.73	0.52
7:U1:37:UNK:HA	7:U1:42:UNK:CB	2.39	0.52
1:L3:65:UNK:CB	1:L3:66:UNK:C	2.83	0.52
1:L4:383:UNK:N	1:L4:389:UNK:CB	2.72	0.52
1:L6:201:UNK:O	1:L6:202:UNK:C	2.54	0.52
2:M1:61:UNK:N	2:M1:62:UNK:C	2.73	0.52
2:M1:68:UNK:C	2:M1:70:UNK:N	2.66	0.52
2:M4:256:UNK:O	2:M4:257:UNK:C	2.56	0.52
2:M5:227:UNK:N	2:M5:228:UNK:CB	2.72	0.52
2:M5:364:UNK:O	2:M5:367:UNK:CB	2.56	0.52
1:L3:207:UNK:CB	1:L3:209:UNK:N	2.72	0.52
1:L4:323:UNK:CB	1:L4:475:UNK:CB	2.88	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:207:UNK:CB	1:L5:209:UNK:N	2.72	0.52
1:L6:241:UNK:O	1:L6:244:UNK:CB	2.57	0.52
2:M2:393:UNK:O	2:M2:394:UNK:C	2.57	0.52
2:M3:287:UNK:O	2:M3:288:UNK:C	2.57	0.52
2:M4:25:UNK:O	2:M4:26:UNK:C	2.55	0.52
2:M5:114:UNK:N	2:M5:177:UNK:CB	2.73	0.52
2:M5:241:UNK:C	2:M5:243:UNK:N	2.71	0.52
2:M6:393:UNK:O	2:M6:394:UNK:C	2.57	0.52
2:M6:3:UNK:H	2:M6:6:UNK:CB	2.22	0.52
1:L2:376:UNK:C	1:L2:378:UNK:N	2.68	0.52
1:L6:279:UNK:O	1:L6:282:UNK:N	2.43	0.52
1:L6:323:UNK:CB	1:L6:475:UNK:CB	2.88	0.52
2:M2:114:UNK:N	2:M2:177:UNK:CB	2.72	0.52
2:M2:115:UNK:N	2:M2:175:UNK:CB	2.73	0.52
2:M3:114:UNK:N	2:M3:177:UNK:CB	2.72	0.52
14:BC:1588:UNK:N	14:BF:547:UNK:C	2.71	0.52
1:L3:161:UNK:CB	1:L3:162:UNK:HA	2.40	0.52
1:L3:241:UNK:O	1:L3:244:UNK:CB	2.57	0.52
1:L3:279:UNK:O	1:L3:282:UNK:N	2.43	0.52
1:L3:67:UNK:CB	1:L3:75:UNK:O	2.57	0.52
1:L4:279:UNK:O	1:L4:282:UNK:N	2.43	0.52
1:L6:488:UNK:O	1:L6:489:UNK:C	2.50	0.52
2:M2:113:UNK:CA	2:M2:114:UNK:C	2.85	0.52
2:M3:256:UNK:O	2:M3:257:UNK:C	2.56	0.52
2:M4:309:UNK:O	2:M4:312:UNK:N	2.43	0.52
2:M4:61:UNK:N	2:M4:62:UNK:C	2.73	0.52
2:M5:27:UNK:O	2:M5:28:UNK:C	2.58	0.52
2:M6:309:UNK:O	2:M6:312:UNK:N	2.43	0.52
2:M6:62:UNK:CB	2:M6:64:UNK:N	2.73	0.52
1:L1:323:UNK:CB	1:L1:475:UNK:CB	2.88	0.52
1:L1:82:UNK:N	1:L1:86:UNK:CB	2.73	0.52
1:L2:82:UNK:N	1:L2:86:UNK:CB	2.73	0.52
1:L3:82:UNK:N	1:L3:86:UNK:CB	2.73	0.52
1:L4:207:UNK:CB	1:L4:209:UNK:N	2.72	0.52
1:L5:163:UNK:C	1:L5:165:UNK:N	2.69	0.52
1:L5:82:UNK:N	1:L5:86:UNK:CB	2.73	0.52
2:M1:139:UNK:HA	2:M1:140:UNK:CB	2.39	0.52
2:M1:190:UNK:N	2:M1:191:UNK:C	2.73	0.52
2:M2:62:UNK:CB	2:M2:64:UNK:N	2.73	0.52
2:M3:391:UNK:O	2:M3:392:UNK:CB	2.56	0.52
2:M5:287:UNK:O	2:M5:288:UNK:C	2.57	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M5:378:UNK:C	2:M5:380:UNK:N	2.72	0.52
2:M5:347:UNK:HA	2:M5:415:UNK:HA	1.92	0.52
7:U2:23:UNK:CB	7:U2:24:UNK:CA	2.81	0.52
7:U5:37:UNK:HA	7:U5:42:UNK:CB	2.39	0.52
1:L1:279:UNK:O	1:L1:282:UNK:N	2.43	0.52
1:L1:383:UNK:N	1:L1:389:UNK:CB	2.72	0.52
1:L2:323:UNK:CB	1:L2:475:UNK:CB	2.88	0.52
1:L4:161:UNK:CB	1:L4:162:UNK:HA	2.40	0.52
1:L5:161:UNK:CB	1:L5:162:UNK:HA	2.40	0.52
1:L5:241:UNK:O	1:L5:244:UNK:CB	2.57	0.52
1:L5:279:UNK:O	1:L5:282:UNK:N	2.43	0.52
1:L5:383:UNK:N	1:L5:389:UNK:CB	2.72	0.52
1:L5:488:UNK:O	1:L5:489:UNK:C	2.50	0.52
1:L6:77:UNK:CA	1:L6:78:UNK:CB	2.84	0.52
2:M1:287:UNK:O	2:M1:288:UNK:C	2.57	0.52
2:M5:190:UNK:N	2:M5:191:UNK:C	2.73	0.52
2:M5:62:UNK:CB	2:M5:64:UNK:N	2.73	0.52
2:M6:190:UNK:N	2:M6:191:UNK:C	2.73	0.52
1:L1:161:UNK:CB	1:L1:162:UNK:HA	2.40	0.52
1:L1:163:UNK:C	1:L1:165:UNK:N	2.69	0.52
1:L4:257:UNK:O	1:L4:261:UNK:N	2.43	0.52
1:L5:60:UNK:O	1:L5:81:UNK:N	2.43	0.52
1:L6:257:UNK:O	1:L6:261:UNK:N	2.43	0.52
1:L6:82:UNK:N	1:L6:86:UNK:CB	2.73	0.52
2:M1:113:UNK:CA	2:M1:114:UNK:C	2.85	0.52
2:M1:3:UNK:H	2:M1:6:UNK:CB	2.22	0.52
2:M2:22:UNK:HA	2:M2:23:UNK:CB	2.40	0.52
2:M3:190:UNK:N	2:M3:191:UNK:C	2.73	0.52
2:M4:227:UNK:N	2:M4:228:UNK:CB	2.72	0.52
2:M5:3:UNK:H	2:M5:6:UNK:CB	2.22	0.52
1:L1:161:UNK:HA	1:L1:163:UNK:CA	2.38	0.52
1:L1:257:UNK:O	1:L1:261:UNK:N	2.43	0.52
1:L1:65:UNK:CB	1:L1:66:UNK:C	2.83	0.52
1:L2:60:UNK:O	1:L2:81:UNK:N	2.43	0.52
1:L4:181:UNK:C	1:L4:183:UNK:N	2.71	0.52
1:L5:321:UNK:O	1:L5:324:UNK:C	2.58	0.52
1:L6:70:UNK:O	1:L6:73:UNK:O	2.28	0.52
2:M1:309:UNK:O	2:M1:312:UNK:N	2.43	0.52
2:M2:61:UNK:N	2:M2:62:UNK:C	2.73	0.52
2:M2:3:UNK:H	2:M2:6:UNK:CB	2.22	0.52
2:M4:378:UNK:C	2:M4:380:UNK:N	2.72	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M5:61:UNK:N	2:M5:62:UNK:C	2.73	0.52
2:M6:114:UNK:N	2:M6:177:UNK:CB	2.73	0.52
2:M6:27:UNK:O	2:M6:28:UNK:C	2.58	0.52
2:M6:328:UNK:O	2:M6:329:UNK:C	2.52	0.52
7:U4:10:UNK:O	7:U4:13:UNK:N	2.43	0.52
1:L1:241:UNK:O	1:L1:244:UNK:CB	2.57	0.51
1:L1:321:UNK:O	1:L1:324:UNK:C	2.58	0.51
1:L2:279:UNK:O	1:L2:282:UNK:N	2.43	0.51
1:L5:70:UNK:O	1:L5:73:UNK:O	2.28	0.51
2:M1:114:UNK:N	2:M1:177:UNK:CB	2.72	0.51
2:M2:190:UNK:N	2:M2:191:UNK:C	2.73	0.51
2:M2:309:UNK:O	2:M2:312:UNK:N	2.43	0.51
2:M2:63:UNK:O	2:M2:67:UNK:N	2.44	0.51
2:M3:309:UNK:O	2:M3:312:UNK:N	2.43	0.51
2:M4:139:UNK:HA	2:M4:140:UNK:CB	2.39	0.51
2:M5:22:UNK:HA	2:M5:23:UNK:CB	2.40	0.51
2:M6:115:UNK:N	2:M6:175:UNK:CB	2.73	0.51
7:U5:10:UNK:O	7:U5:13:UNK:N	2.43	0.51
7:U6:37:UNK:HA	7:U6:42:UNK:CB	2.39	0.51
1:L1:70:UNK:O	1:L1:73:UNK:O	2.28	0.51
1:L2:257:UNK:O	1:L2:261:UNK:N	2.43	0.51
1:L4:82:UNK:N	1:L4:86:UNK:CB	2.73	0.51
1:L6:321:UNK:O	1:L6:324:UNK:C	2.58	0.51
2:M1:347:UNK:HA	2:M1:415:UNK:HA	1.92	0.51
2:M1:62:UNK:CB	2:M1:64:UNK:N	2.73	0.51
2:M4:190:UNK:N	2:M4:191:UNK:C	2.73	0.51
2:M4:62:UNK:CB	2:M4:64:UNK:N	2.73	0.51
2:M5:115:UNK:N	2:M5:175:UNK:CB	2.73	0.51
1:L3:60:UNK:O	1:L3:81:UNK:N	2.43	0.51
1:L4:60:UNK:O	1:L4:81:UNK:N	2.43	0.51
2:M1:115:UNK:N	2:M1:175:UNK:CB	2.73	0.51
2:M2:256:UNK:O	2:M2:257:UNK:C	2.56	0.51
2:M3:341:UNK:C	2:M3:342:UNK:O	2.56	0.51
2:M3:62:UNK:CB	2:M3:64:UNK:N	2.73	0.51
2:M3:63:UNK:O	2:M3:67:UNK:N	2.44	0.51
2:M4:114:UNK:N	2:M4:177:UNK:CB	2.72	0.51
2:M4:393:UNK:O	2:M4:394:UNK:C	2.57	0.51
2:M5:256:UNK:O	2:M5:257:UNK:C	2.56	0.51
2:M5:23:UNK:C	2:M5:25:UNK:N	2.74	0.51
1:L2:207:UNK:CB	1:L2:209:UNK:CA	2.89	0.51
1:L3:257:UNK:O	1:L3:261:UNK:N	2.43	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:321:UNK:O	1:L3:324:UNK:C	2.58	0.51
1:L3:70:UNK:O	1:L3:73:UNK:O	2.28	0.51
1:L5:161:UNK:HA	1:L5:163:UNK:CA	2.38	0.51
2:M2:139:UNK:HA	2:M2:140:UNK:CB	2.39	0.51
2:M3:27:UNK:O	2:M3:28:UNK:C	2.58	0.51
2:M5:309:UNK:O	2:M5:312:UNK:N	2.43	0.51
2:M6:139:UNK:HA	2:M6:140:UNK:CB	2.39	0.51
1:L4:70:UNK:O	1:L4:73:UNK:O	2.28	0.51
1:L6:161:UNK:HA	1:L6:163:UNK:CA	2.38	0.51
1:L6:163:UNK:C	1:L6:165:UNK:N	2.69	0.51
2:M1:27:UNK:O	2:M1:28:UNK:C	2.58	0.51
2:M1:378:UNK:C	2:M1:380:UNK:N	2.72	0.51
2:M4:115:UNK:N	2:M4:175:UNK:CB	2.73	0.51
2:M4:347:UNK:HA	2:M4:415:UNK:HA	1.92	0.51
1:L1:60:UNK:O	1:L1:81:UNK:N	2.43	0.51
1:L2:55:UNK:N	1:L2:56:UNK:C	2.71	0.51
1:L5:323:UNK:CB	1:L5:475:UNK:CB	2.88	0.51
1:L6:207:UNK:CB	1:L6:209:UNK:CA	2.89	0.51
2:M3:115:UNK:N	2:M3:175:UNK:CB	2.73	0.51
2:M3:61:UNK:N	2:M3:62:UNK:C	2.73	0.51
1:L3:47:UNK:O	1:L3:48:UNK:C	2.53	0.51
1:L4:207:UNK:CB	1:L4:209:UNK:CA	2.89	0.51
1:L4:321:UNK:O	1:L4:324:UNK:C	2.58	0.51
2:M4:348:UNK:N	2:M4:415:UNK:CB	2.74	0.51
2:M4:3:UNK:H	2:M4:6:UNK:CB	2.22	0.51
2:M5:348:UNK:N	2:M5:415:UNK:CB	2.74	0.51
2:M6:347:UNK:HA	2:M6:415:UNK:HA	1.92	0.51
14:BA:1613:UNK:C	14:BA:1617:UNK:CB	2.89	0.51
14:BB:1613:UNK:C	14:BB:1617:UNK:CB	2.89	0.51
14:BF:1613:UNK:C	14:BF:1617:UNK:CB	2.89	0.51
1:L5:257:UNK:O	1:L5:261:UNK:N	2.43	0.51
1:L6:190:UNK:HA	1:L6:194:UNK:CA	2.40	0.51
1:L6:60:UNK:O	1:L6:81:UNK:N	2.43	0.51
2:M1:341:UNK:C	2:M1:342:UNK:O	2.56	0.51
2:M2:348:UNK:N	2:M2:415:UNK:CB	2.74	0.51
2:M3:139:UNK:HA	2:M3:140:UNK:CB	2.39	0.51
2:M3:241:UNK:C	2:M3:243:UNK:N	2.71	0.51
2:M3:378:UNK:C	2:M3:380:UNK:N	2.72	0.51
2:M4:22:UNK:HA	2:M4:23:UNK:CB	2.40	0.51
2:M5:63:UNK:O	2:M5:67:UNK:N	2.44	0.51
2:M6:348:UNK:N	2:M6:415:UNK:CB	2.74	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M1:343:UNK:C	2:M1:345:UNK:N	2.71	0.51
2:M1:63:UNK:O	2:M1:67:UNK:N	2.43	0.51
2:M4:392:UNK:C	2:M4:394:UNK:N	2.68	0.51
2:M6:22:UNK:HA	2:M6:23:UNK:CB	2.40	0.51
1:L3:246:UNK:O	1:L3:250:UNK:N	2.44	0.51
1:L4:288:UNK:CB	1:L4:308:UNK:CA	2.89	0.51
1:L4:47:UNK:C	1:L4:49:UNK:N	2.71	0.51
1:L5:246:UNK:O	1:L5:250:UNK:N	2.44	0.51
2:M3:384:UNK:C	2:M3:386:UNK:N	2.72	0.51
2:M3:348:UNK:N	2:M3:415:UNK:CB	2.74	0.51
7:U1:10:UNK:O	7:U1:13:UNK:N	2.43	0.51
7:U3:10:UNK:O	7:U3:13:UNK:N	2.43	0.51
1:L2:321:UNK:O	1:L2:324:UNK:C	2.58	0.50
1:L3:207:UNK:CB	1:L3:209:UNK:CA	2.89	0.50
2:M2:341:UNK:C	2:M2:342:UNK:O	2.56	0.50
2:M4:63:UNK:O	2:M4:67:UNK:N	2.44	0.50
2:M5:139:UNK:HA	2:M5:140:UNK:CB	2.39	0.50
2:M6:63:UNK:O	2:M6:67:UNK:N	2.44	0.50
1:L2:246:UNK:O	1:L2:250:UNK:N	2.44	0.50
1:L3:161:UNK:HA	1:L3:163:UNK:CA	2.38	0.50
2:M3:347:UNK:HA	2:M3:415:UNK:HA	1.92	0.50
2:M3:392:UNK:C	2:M3:394:UNK:N	2.68	0.50
2:M4:27:UNK:O	2:M4:28:UNK:C	2.58	0.50
2:M5:391:UNK:O	2:M5:392:UNK:CB	2.56	0.50
2:M6:241:UNK:C	2:M6:243:UNK:N	2.71	0.50
2:M6:23:UNK:C	2:M6:25:UNK:N	2.74	0.50
2:M6:384:UNK:C	2:M6:386:UNK:N	2.72	0.50
1:L3:52:UNK:C	1:L3:54:UNK:N	2.73	0.50
1:L4:65:UNK:CB	1:L4:66:UNK:C	2.83	0.50
1:L5:161:UNK:CB	1:L5:162:UNK:CA	2.90	0.50
1:L6:181:UNK:C	1:L6:183:UNK:N	2.71	0.50
2:M1:227:UNK:CB	2:M1:228:UNK:CB	2.90	0.50
2:M2:378:UNK:C	2:M2:380:UNK:N	2.72	0.50
7:U2:10:UNK:O	7:U2:13:UNK:N	2.43	0.50
14:BC:1613:UNK:C	14:BC:1617:UNK:CB	2.89	0.50
7:U6:22:UNK:CA	14:BF:1635:UNK:CB	2.88	0.50
1:L1:161:UNK:CB	1:L1:162:UNK:CA	2.90	0.50
1:L1:207:UNK:CB	1:L1:209:UNK:CA	2.89	0.50
1:L1:94:UNK:O	1:L1:95:UNK:C	2.56	0.50
1:L4:105:UNK:O	1:L4:109:UNK:N	2.45	0.50
1:L4:161:UNK:CB	1:L4:162:UNK:CA	2.90	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L4:246:UNK:O	1:L4:250:UNK:N	2.44	0.50
2:M3:328:UNK:O	2:M3:329:UNK:C	2.52	0.50
7:U2:22:UNK:CA	14:BB:1635:UNK:CB	2.88	0.50
1:L2:70:UNK:O	1:L2:73:UNK:O	2.28	0.50
1:L3:288:UNK:CB	1:L3:308:UNK:CA	2.89	0.50
1:L5:105:UNK:O	1:L5:109:UNK:N	2.45	0.50
1:L6:105:UNK:O	1:L6:109:UNK:N	2.45	0.50
1:L6:306:UNK:O	1:L6:307:UNK:C	2.60	0.50
1:L6:47:UNK:C	1:L6:49:UNK:N	2.71	0.50
2:M1:22:UNK:HA	2:M1:23:UNK:CB	2.40	0.50
2:M1:348:UNK:N	2:M1:415:UNK:CB	2.74	0.50
2:M2:227:UNK:CB	2:M2:228:UNK:CB	2.90	0.50
2:M3:227:UNK:CB	2:M3:228:UNK:CB	2.90	0.50
2:M3:22:UNK:HA	2:M3:23:UNK:CB	2.40	0.50
2:M3:343:UNK:C	2:M3:345:UNK:N	2.71	0.50
2:M4:106:UNK:O	2:M4:109:UNK:N	2.45	0.50
2:M6:227:UNK:CB	2:M6:228:UNK:CB	2.90	0.50
7:U6:10:UNK:O	7:U6:13:UNK:N	2.43	0.50
1:L2:263:UNK:O	1:L2:264:UNK:C	2.60	0.50
1:L5:288:UNK:CB	1:L5:308:UNK:CA	2.89	0.50
2:M1:23:UNK:C	2:M1:25:UNK:N	2.74	0.50
2:M5:227:UNK:CB	2:M5:228:UNK:CB	2.90	0.50
14:BC:1609:UNK:O	14:BC:1613:UNK:N	2.45	0.50
1:L3:105:UNK:O	1:L3:109:UNK:N	2.45	0.50
1:L5:207:UNK:CB	1:L5:209:UNK:CA	2.89	0.50
1:L6:29:UNK:CA	1:L6:32:UNK:CB	2.86	0.50
1:L6:65:UNK:CB	1:L6:66:UNK:C	2.83	0.50
2:M1:384:UNK:C	2:M1:386:UNK:N	2.72	0.50
2:M2:23:UNK:C	2:M2:25:UNK:N	2.74	0.50
2:M2:27:UNK:O	2:M2:28:UNK:C	2.58	0.50
2:M4:189:UNK:N	2:M4:191:UNK:C	2.75	0.50
14:BD:1613:UNK:C	14:BD:1617:UNK:CB	2.89	0.50
14:BE:1613:UNK:C	14:BE:1617:UNK:CB	2.89	0.50
14:BF:1609:UNK:O	14:BF:1613:UNK:N	2.45	0.50
1:L1:288:UNK:CB	1:L1:308:UNK:CA	2.89	0.50
1:L3:163:UNK:C	1:L3:165:UNK:N	2.69	0.50
1:L4:29:UNK:CA	1:L4:32:UNK:CB	2.86	0.50
2:M1:396:UNK:O	2:M1:399:UNK:N	2.45	0.50
2:M2:347:UNK:HA	2:M2:415:UNK:HA	1.92	0.50
2:M3:106:UNK:O	2:M3:109:UNK:N	2.45	0.50
2:M3:23:UNK:C	2:M3:25:UNK:N	2.74	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:BA:1609:UNK:O	14:BA:1613:UNK:N	2.45	0.50
1:L3:29:UNK:CA	1:L3:32:UNK:CB	2.86	0.50
1:L4:263:UNK:O	1:L4:264:UNK:C	2.60	0.50
1:L4:306:UNK:O	1:L4:307:UNK:C	2.60	0.50
1:L5:47:UNK:C	1:L5:49:UNK:N	2.71	0.50
1:L6:241:UNK:O	1:L6:244:UNK:N	2.45	0.50
2:M6:106:UNK:O	2:M6:109:UNK:N	2.45	0.50
2:M6:287:UNK:O	2:M6:288:UNK:C	2.57	0.50
1:L5:306:UNK:O	1:L5:307:UNK:C	2.60	0.49
1:L6:52:UNK:C	1:L6:54:UNK:N	2.73	0.49
2:M1:241:UNK:C	2:M1:243:UNK:N	2.71	0.49
2:M4:23:UNK:C	2:M4:25:UNK:N	2.74	0.49
1:L1:190:UNK:HA	1:L1:194:UNK:CA	2.40	0.49
1:L2:105:UNK:O	1:L2:109:UNK:N	2.45	0.49
1:L6:246:UNK:O	1:L6:250:UNK:N	2.44	0.49
1:L6:48:UNK:O	1:L6:52:UNK:N	2.46	0.49
2:M3:396:UNK:O	2:M3:399:UNK:N	2.45	0.49
2:M5:189:UNK:N	2:M5:191:UNK:C	2.75	0.49
14:BB:1609:UNK:O	14:BB:1613:UNK:N	2.45	0.49
1:L6:288:UNK:CB	1:L6:308:UNK:CA	2.89	0.49
2:M1:106:UNK:O	2:M1:109:UNK:N	2.45	0.49
2:M5:106:UNK:O	2:M5:109:UNK:N	2.45	0.49
2:M6:180:UNK:C	2:M6:182:UNK:N	2.65	0.49
2:M6:396:UNK:O	2:M6:399:UNK:N	2.45	0.49
14:BD:1609:UNK:O	14:BD:1613:UNK:N	2.45	0.49
1:L1:137:UNK:O	1:L1:140:UNK:CB	2.61	0.49
1:L1:263:UNK:O	1:L1:264:UNK:C	2.60	0.49
1:L2:241:UNK:O	1:L2:244:UNK:N	2.45	0.49
1:L4:241:UNK:O	1:L4:244:UNK:N	2.45	0.49
1:L5:263:UNK:O	1:L5:264:UNK:C	2.60	0.49
1:L6:137:UNK:O	1:L6:140:UNK:CB	2.60	0.49
1:L6:161:UNK:CB	1:L6:162:UNK:CA	2.90	0.49
2:M6:378:UNK:C	2:M6:380:UNK:N	2.72	0.49
1:L1:241:UNK:O	1:L1:244:UNK:N	2.45	0.49
1:L1:297:UNK:CA	1:L1:356:UNK:N	2.73	0.49
1:L3:137:UNK:O	1:L3:140:UNK:CB	2.61	0.49
1:L3:48:UNK:O	1:L3:52:UNK:N	2.46	0.49
1:L5:241:UNK:O	1:L5:244:UNK:N	2.45	0.49
2:M3:348:UNK:CA	2:M3:351:UNK:CB	2.85	0.49
1:L1:246:UNK:O	1:L1:250:UNK:N	2.44	0.49
1:L2:161:UNK:HA	1:L2:163:UNK:CA	2.38	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:288:UNK:CB	1:L2:308:UNK:CA	2.89	0.49
1:L3:190:UNK:HA	1:L3:194:UNK:CA	2.40	0.49
1:L4:137:UNK:O	1:L4:140:UNK:CB	2.60	0.49
1:L5:137:UNK:O	1:L5:140:UNK:CB	2.60	0.49
1:L6:263:UNK:O	1:L6:264:UNK:C	2.60	0.49
2:M2:106:UNK:O	2:M2:109:UNK:N	2.45	0.49
2:M4:227:UNK:CB	2:M4:228:UNK:CB	2.90	0.49
2:M4:396:UNK:O	2:M4:399:UNK:N	2.45	0.49
2:M5:392:UNK:C	2:M5:394:UNK:N	2.68	0.49
7:U4:22:UNK:CA	14:BD:1635:UNK:CB	2.88	0.49
1:L1:48:UNK:O	1:L1:52:UNK:N	2.46	0.49
1:L2:161:UNK:CB	1:L2:162:UNK:CA	2.90	0.49
1:L2:48:UNK:O	1:L2:52:UNK:N	2.46	0.49
1:L4:190:UNK:HA	1:L4:194:UNK:CA	2.40	0.49
1:L6:281:UNK:CB	1:L6:315:UNK:CA	2.91	0.49
2:M2:287:UNK:O	2:M2:288:UNK:C	2.57	0.49
2:M5:396:UNK:O	2:M5:399:UNK:N	2.45	0.49
1:L1:105:UNK:O	1:L1:109:UNK:N	2.45	0.49
1:L3:161:UNK:CB	1:L3:162:UNK:CA	2.90	0.49
1:L3:241:UNK:O	1:L3:244:UNK:N	2.45	0.49
1:L3:94:UNK:O	1:L3:95:UNK:C	2.56	0.49
1:L4:48:UNK:O	1:L4:52:UNK:N	2.45	0.49
2:M4:275:UNK:C	2:M4:278:UNK:CB	2.91	0.49
1:L1:29:UNK:CA	1:L1:32:UNK:CB	2.86	0.49
1:L3:281:UNK:CB	1:L3:315:UNK:CA	2.91	0.49
1:L3:477:UNK:C	1:L3:479:UNK:H	2.26	0.49
1:L5:52:UNK:C	1:L5:54:UNK:N	2.73	0.49
1:L6:477:UNK:C	1:L6:479:UNK:H	2.26	0.49
2:M5:341:UNK:C	2:M5:342:UNK:O	2.56	0.49
1:L2:281:UNK:CB	1:L2:315:UNK:CA	2.91	0.49
1:L2:65:UNK:CB	1:L2:66:UNK:C	2.83	0.49
1:L1:181:UNK:C	1:L1:183:UNK:N	2.71	0.48
2:M1:275:UNK:C	2:M1:278:UNK:CB	2.91	0.48
2:M4:14:UNK:O	2:M4:15:UNK:C	2.60	0.48
2:M6:275:UNK:C	2:M6:278:UNK:CB	2.91	0.48
14:BE:1609:UNK:O	14:BE:1613:UNK:N	2.45	0.48
1:L4:477:UNK:C	1:L4:479:UNK:H	2.26	0.48
2:M4:63:UNK:O	2:M4:66:UNK:N	2.47	0.48
2:M6:63:UNK:O	2:M6:66:UNK:N	2.47	0.48
1:L2:137:UNK:O	1:L2:140:UNK:CB	2.60	0.48
1:L3:128:UNK:O	1:L3:129:UNK:C	2.61	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:48:UNK:O	1:L5:52:UNK:N	2.46	0.48
2:M1:448:UNK:O	2:M1:449:UNK:C	2.61	0.48
2:M2:396:UNK:O	2:M2:399:UNK:N	2.45	0.48
2:M3:275:UNK:C	2:M3:278:UNK:CB	2.91	0.48
2:M3:63:UNK:O	2:M3:66:UNK:N	2.47	0.48
1:L1:281:UNK:CB	1:L1:315:UNK:CA	2.91	0.48
1:L2:163:UNK:C	1:L2:165:UNK:N	2.69	0.48
1:L3:263:UNK:O	1:L3:264:UNK:C	2.60	0.48
1:L4:281:UNK:CB	1:L4:315:UNK:CA	2.91	0.48
2:M2:275:UNK:C	2:M2:278:UNK:CB	2.91	0.48
2:M4:341:UNK:C	2:M4:342:UNK:O	2.56	0.48
2:M5:386:UNK:HA	2:M5:390:UNK:HA	1.96	0.48
2:M5:63:UNK:O	2:M5:66:UNK:N	2.47	0.48
1:L2:306:UNK:O	1:L2:307:UNK:C	2.60	0.48
1:L5:281:UNK:CB	1:L5:315:UNK:CA	2.91	0.48
2:M3:127:UNK:O	2:M3:128:UNK:C	2.61	0.48
2:M3:448:UNK:O	2:M3:449:UNK:C	2.61	0.48
2:M4:133:UNK:C	2:M4:224:UNK:CB	2.92	0.48
2:M6:14:UNK:O	2:M6:15:UNK:C	2.60	0.48
14:BD:547:UNK:O	14:BE:1589:UNK:C	2.56	0.48
1:L5:477:UNK:C	1:L5:479:UNK:H	2.26	0.48
1:L6:297:UNK:CA	1:L6:356:UNK:N	2.73	0.48
2:M2:63:UNK:O	2:M2:66:UNK:N	2.47	0.48
2:M6:133:UNK:C	2:M6:224:UNK:CB	2.92	0.48
1:L4:163:UNK:C	1:L4:165:UNK:N	2.69	0.48
2:M1:127:UNK:O	2:M1:128:UNK:C	2.61	0.48
2:M1:189:UNK:N	2:M1:191:UNK:C	2.75	0.48
2:M3:386:UNK:HA	2:M3:390:UNK:HA	1.96	0.48
2:M6:133:UNK:HA	2:M6:224:UNK:CB	2.44	0.48
1:L1:47:UNK:C	1:L1:49:UNK:N	2.71	0.48
1:L5:181:UNK:C	1:L5:183:UNK:N	2.71	0.48
2:M4:348:UNK:CA	2:M4:351:UNK:CB	2.85	0.48
2:M4:386:UNK:HA	2:M4:390:UNK:HA	1.96	0.48
2:M5:133:UNK:C	2:M5:224:UNK:CB	2.92	0.48
2:M5:275:UNK:C	2:M5:278:UNK:CB	2.91	0.48
1:L2:339:UNK:O	1:L2:342:UNK:N	2.47	0.48
1:L6:339:UNK:O	1:L6:342:UNK:N	2.47	0.48
2:M2:347:UNK:C	2:M2:351:UNK:CB	2.92	0.48
2:M2:448:UNK:O	2:M2:449:UNK:C	2.61	0.48
2:M4:133:UNK:CB	2:M4:224:UNK:CB	2.92	0.48
1:L3:47:UNK:C	1:L3:49:UNK:N	2.71	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M1:133:UNK:C	2:M1:224:UNK:CB	2.92	0.48
2:M2:14:UNK:O	2:M2:15:UNK:C	2.60	0.48
2:M2:133:UNK:CB	2:M2:224:UNK:CB	2.92	0.48
2:M2:348:UNK:CA	2:M2:351:UNK:CB	2.85	0.48
2:M2:384:UNK:C	2:M2:386:UNK:N	2.72	0.48
7:U1:22:UNK:CA	14:BA:1635:UNK:CB	2.88	0.47
14:BB:1609:UNK:O	14:BB:1613:UNK:CB	2.62	0.47
1:L2:239:UNK:C	1:L2:240:UNK:O	2.60	0.47
1:L2:477:UNK:C	1:L2:479:UNK:H	2.26	0.47
1:L4:128:UNK:O	1:L4:129:UNK:C	2.61	0.47
2:M1:133:UNK:CB	2:M1:224:UNK:CB	2.92	0.47
2:M1:133:UNK:HA	2:M1:224:UNK:CB	2.44	0.47
2:M1:386:UNK:HA	2:M1:390:UNK:HA	1.96	0.47
2:M3:133:UNK:CB	2:M3:224:UNK:CB	2.92	0.47
2:M3:14:UNK:O	2:M3:15:UNK:C	2.60	0.47
1:L2:450:UNK:O	1:L2:453:UNK:N	2.47	0.47
1:L3:339:UNK:O	1:L3:342:UNK:N	2.47	0.47
2:M1:14:UNK:O	2:M1:15:UNK:C	2.60	0.47
2:M3:133:UNK:C	2:M3:224:UNK:CB	2.92	0.47
2:M4:127:UNK:O	2:M4:128:UNK:C	2.61	0.47
2:M4:384:UNK:C	2:M4:386:UNK:N	2.72	0.47
2:M6:448:UNK:O	2:M6:449:UNK:C	2.61	0.47
14:BA:1609:UNK:O	14:BA:1613:UNK:CB	2.62	0.47
14:BB:1625:UNK:O	14:BB:1626:UNK:O	2.33	0.47
1:L1:128:UNK:O	1:L1:129:UNK:C	2.61	0.47
1:L1:306:UNK:O	1:L1:307:UNK:C	2.60	0.47
1:L1:339:UNK:O	1:L1:342:UNK:N	2.47	0.47
1:L6:111:UNK:O	1:L6:114:UNK:N	2.47	0.47
2:M1:351:UNK:O	2:M1:352:UNK:CB	2.62	0.47
2:M1:63:UNK:O	2:M1:66:UNK:N	2.47	0.47
2:M2:127:UNK:O	2:M2:128:UNK:C	2.61	0.47
2:M5:351:UNK:O	2:M5:352:UNK:CB	2.62	0.47
2:M1:392:UNK:C	2:M1:394:UNK:N	2.68	0.47
2:M2:133:UNK:HA	2:M2:224:UNK:CB	2.44	0.47
2:M2:351:UNK:O	2:M2:352:UNK:CB	2.62	0.47
2:M3:133:UNK:HA	2:M3:224:UNK:CB	2.44	0.47
2:M6:188:UNK:CB	2:M6:189:UNK:CA	2.93	0.47
14:BD:1609:UNK:O	14:BD:1613:UNK:CB	2.62	0.47
1:L3:396:UNK:O	1:L3:399:UNK:N	2.48	0.47
1:L4:52:UNK:C	1:L4:54:UNK:N	2.73	0.47
1:L5:396:UNK:O	1:L5:399:UNK:N	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:396:UNK:O	1:L6:399:UNK:N	2.48	0.47
2:M2:386:UNK:HA	2:M2:390:UNK:HA	1.96	0.47
2:M5:133:UNK:CB	2:M5:224:UNK:CB	2.92	0.47
2:M6:140:UNK:C	2:M6:142:UNK:N	2.74	0.47
14:BE:1625:UNK:O	14:BE:1626:UNK:O	2.33	0.47
14:BC:1590:UNK:N	14:BF:547:UNK:CB	2.78	0.47
1:L1:207:UNK:HA	1:L1:208:UNK:C	2.45	0.47
1:L3:239:UNK:C	1:L3:240:UNK:O	2.60	0.47
1:L3:450:UNK:O	1:L3:453:UNK:N	2.47	0.47
1:L4:339:UNK:O	1:L4:342:UNK:N	2.47	0.47
1:L5:190:UNK:HA	1:L5:194:UNK:CA	2.40	0.47
2:M3:188:UNK:CB	2:M3:189:UNK:CA	2.93	0.47
2:M3:351:UNK:O	2:M3:352:UNK:CB	2.62	0.47
2:M4:106:UNK:HA	2:M4:109:UNK:CB	2.45	0.47
2:M5:347:UNK:C	2:M5:351:UNK:CB	2.92	0.47
1:L1:477:UNK:C	1:L1:479:UNK:H	2.26	0.47
1:L2:111:UNK:O	1:L2:114:UNK:N	2.48	0.47
1:L2:316:UNK:O	1:L2:317:UNK:C	2.63	0.47
1:L2:396:UNK:O	1:L2:399:UNK:N	2.48	0.47
1:L5:339:UNK:O	1:L5:342:UNK:N	2.47	0.47
1:L5:450:UNK:O	1:L5:453:UNK:N	2.47	0.47
1:L6:450:UNK:O	1:L6:453:UNK:N	2.47	0.47
1:L6:61:UNK:CA	1:L6:80:UNK:CB	2.93	0.47
2:M2:133:UNK:C	2:M2:224:UNK:CB	2.92	0.47
14:BA:1625:UNK:O	14:BA:1626:UNK:O	2.33	0.47
1:L1:52:UNK:C	1:L1:54:UNK:N	2.73	0.47
1:L2:61:UNK:CA	1:L2:80:UNK:CB	2.93	0.47
14:BB:1614:UNK:C	14:BB:1617:UNK:CA	2.88	0.47
14:BE:1609:UNK:O	14:BE:1613:UNK:CB	2.62	0.47
14:BF:1609:UNK:O	14:BF:1613:UNK:CB	2.62	0.47
1:L1:111:UNK:O	1:L1:114:UNK:N	2.48	0.47
1:L1:450:UNK:O	1:L1:453:UNK:N	2.47	0.47
2:M4:133:UNK:HA	2:M4:224:UNK:CB	2.44	0.47
2:M4:188:UNK:CB	2:M4:189:UNK:CA	2.93	0.47
2:M4:255:UNK:O	2:M4:258:UNK:CB	2.63	0.47
2:M6:133:UNK:CB	2:M6:224:UNK:CB	2.92	0.47
14:BD:1625:UNK:O	14:BD:1626:UNK:O	2.33	0.47
1:L1:452:UNK:O	1:L1:456:UNK:N	2.48	0.47
1:L2:297:UNK:CA	1:L2:356:UNK:N	2.73	0.47
1:L2:95:UNK:O	1:L2:98:UNK:N	2.48	0.47
1:L3:111:UNK:O	1:L3:114:UNK:N	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:452:UNK:O	1:L5:456:UNK:N	2.48	0.47
2:M2:106:UNK:HA	2:M2:109:UNK:CB	2.45	0.47
2:M2:392:UNK:C	2:M2:394:UNK:N	2.68	0.47
2:M4:347:UNK:C	2:M4:351:UNK:CB	2.92	0.47
2:M4:351:UNK:O	2:M4:352:UNK:CB	2.62	0.47
2:M5:273:UNK:O	2:M5:277:UNK:N	2.48	0.47
1:L2:190:UNK:HA	1:L2:194:UNK:CA	2.40	0.47
1:L2:207:UNK:HA	1:L2:208:UNK:C	2.45	0.47
1:L5:111:UNK:O	1:L5:114:UNK:N	2.48	0.47
1:L5:207:UNK:HA	1:L5:208:UNK:C	2.45	0.47
1:L5:95:UNK:O	1:L5:98:UNK:N	2.48	0.47
1:L6:452:UNK:O	1:L6:456:UNK:N	2.48	0.47
2:M2:433:UNK:O	2:M2:434:UNK:C	2.62	0.47
2:M3:140:UNK:C	2:M3:142:UNK:N	2.74	0.47
2:M3:255:UNK:O	2:M3:258:UNK:CB	2.63	0.47
2:M6:127:UNK:O	2:M6:128:UNK:C	2.61	0.47
14:BC:1609:UNK:O	14:BC:1613:UNK:CB	2.62	0.46
1:L4:111:UNK:O	1:L4:114:UNK:N	2.48	0.46
1:L5:316:UNK:O	1:L5:317:UNK:C	2.63	0.46
2:M1:188:UNK:CB	2:M1:189:UNK:CA	2.93	0.46
2:M3:168:UNK:CB	2:M3:174:UNK:CB	2.93	0.46
2:M3:189:UNK:N	2:M3:191:UNK:C	2.75	0.46
2:M3:273:UNK:O	2:M3:277:UNK:N	2.48	0.46
2:M5:168:UNK:CB	2:M5:174:UNK:CB	2.93	0.46
2:M5:255:UNK:O	2:M5:258:UNK:CB	2.63	0.46
2:M6:106:UNK:HA	2:M6:109:UNK:CB	2.45	0.46
2:M6:157:UNK:O	2:M6:160:UNK:N	2.48	0.46
2:M6:255:UNK:O	2:M6:258:UNK:CB	2.63	0.46
2:M6:273:UNK:O	2:M6:276:UNK:N	2.49	0.46
1:L1:396:UNK:O	1:L1:399:UNK:N	2.48	0.46
1:L4:95:UNK:O	1:L4:98:UNK:N	2.48	0.46
1:L6:94:UNK:O	1:L6:95:UNK:C	2.56	0.46
2:M1:106:UNK:HA	2:M1:109:UNK:CB	2.45	0.46
2:M2:113:UNK:CA	2:M2:114:UNK:CB	2.89	0.46
2:M2:188:UNK:CB	2:M2:189:UNK:CA	2.93	0.46
14:BA:1614:UNK:C	14:BA:1617:UNK:CA	2.88	0.46
7:U5:22:UNK:CA	14:BE:1635:UNK:CB	2.88	0.46
14:BF:1625:UNK:O	14:BF:1626:UNK:O	2.33	0.46
1:L1:316:UNK:O	1:L1:317:UNK:C	2.63	0.46
1:L4:297:UNK:CA	1:L4:356:UNK:N	2.73	0.46
1:L4:450:UNK:O	1:L4:453:UNK:N	2.47	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:128:UNK:O	1:L6:129:UNK:C	2.61	0.46
1:L6:225:UNK:C	1:L6:229:UNK:CB	2.93	0.46
1:L6:95:UNK:O	1:L6:98:UNK:N	2.48	0.46
2:M2:140:UNK:C	2:M2:142:UNK:N	2.74	0.46
2:M3:106:UNK:HA	2:M3:109:UNK:CB	2.45	0.46
2:M3:281:UNK:O	2:M3:284:UNK:C	2.64	0.46
2:M4:168:UNK:CB	2:M4:174:UNK:CB	2.93	0.46
2:M4:273:UNK:O	2:M4:277:UNK:N	2.48	0.46
2:M5:188:UNK:CB	2:M5:189:UNK:CA	2.93	0.46
1:L1:108:UNK:O	1:L1:111:UNK:N	2.49	0.46
1:L2:271:UNK:O	1:L2:274:UNK:N	2.49	0.46
1:L2:314:UNK:O	1:L2:317:UNK:N	2.49	0.46
1:L2:52:UNK:C	1:L2:54:UNK:N	2.73	0.46
1:L3:77:UNK:CA	1:L3:78:UNK:CB	2.84	0.46
1:L3:95:UNK:O	1:L3:98:UNK:N	2.48	0.46
1:L4:396:UNK:O	1:L4:399:UNK:N	2.48	0.46
1:L5:239:UNK:C	1:L5:240:UNK:O	2.60	0.46
1:L6:314:UNK:O	1:L6:317:UNK:N	2.49	0.46
2:M1:255:UNK:O	2:M1:258:UNK:CB	2.63	0.46
2:M1:281:UNK:O	2:M1:284:UNK:C	2.64	0.46
2:M2:157:UNK:O	2:M2:160:UNK:N	2.48	0.46
2:M2:273:UNK:O	2:M2:276:UNK:N	2.49	0.46
2:M3:273:UNK:O	2:M3:276:UNK:N	2.49	0.46
2:M4:273:UNK:O	2:M4:276:UNK:N	2.49	0.46
1:L1:271:UNK:O	1:L1:274:UNK:N	2.49	0.46
1:L1:316:UNK:O	1:L1:319:UNK:CA	2.64	0.46
1:L3:314:UNK:O	1:L3:317:UNK:N	2.49	0.46
1:L3:316:UNK:O	1:L3:319:UNK:CA	2.64	0.46
2:M2:273:UNK:O	2:M2:277:UNK:N	2.48	0.46
2:M3:62:UNK:N	2:M3:63:UNK:CA	2.77	0.46
2:M4:157:UNK:O	2:M4:160:UNK:N	2.48	0.46
2:M5:106:UNK:HA	2:M5:109:UNK:CB	2.45	0.46
2:M5:384:UNK:C	2:M5:386:UNK:N	2.72	0.46
2:M6:351:UNK:O	2:M6:352:UNK:CB	2.62	0.46
1:L2:47:UNK:C	1:L2:49:UNK:N	2.71	0.46
1:L3:108:UNK:O	1:L3:111:UNK:N	2.49	0.46
1:L3:225:UNK:C	1:L3:229:UNK:CB	2.93	0.46
1:L5:61:UNK:CA	1:L5:80:UNK:CB	2.93	0.46
1:L6:108:UNK:O	1:L6:111:UNK:N	2.49	0.46
2:M1:157:UNK:O	2:M1:160:UNK:N	2.48	0.46
2:M2:281:UNK:O	2:M2:284:UNK:C	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M5:157:UNK:O	2:M5:160:UNK:N	2.48	0.46
7:U4:55:UNK:O	7:U4:58:UNK:O	2.34	0.46
1:L2:225:UNK:C	1:L2:229:UNK:CB	2.93	0.46
1:L3:306:UNK:O	1:L3:307:UNK:C	2.60	0.46
1:L4:225:UNK:C	1:L4:229:UNK:CB	2.93	0.46
2:M1:87:UNK:HA	2:M1:89:UNK:HA	1.98	0.46
2:M2:42:UNK:C	2:M2:44:UNK:N	2.76	0.46
2:M3:38:UNK:O	2:M3:41:UNK:N	2.49	0.46
2:M5:133:UNK:HA	2:M5:224:UNK:CB	2.44	0.46
2:M5:448:UNK:O	2:M5:449:UNK:C	2.61	0.46
2:M6:281:UNK:O	2:M6:284:UNK:C	2.64	0.46
2:M6:386:UNK:HA	2:M6:390:UNK:HA	1.96	0.46
1:L1:225:UNK:C	1:L1:229:UNK:CB	2.93	0.46
1:L2:316:UNK:O	1:L2:319:UNK:CA	2.64	0.46
1:L4:207:UNK:HA	1:L4:208:UNK:C	2.45	0.46
1:L4:271:UNK:O	1:L4:274:UNK:N	2.49	0.46
1:L4:314:UNK:O	1:L4:317:UNK:N	2.49	0.46
1:L5:169:UNK:O	1:L5:173:UNK:N	2.49	0.46
1:L5:271:UNK:O	1:L5:274:UNK:N	2.49	0.46
2:M2:255:UNK:O	2:M2:258:UNK:CB	2.63	0.46
2:M2:327:UNK:O	2:M2:330:UNK:N	2.49	0.46
2:M2:52:UNK:HA	2:M2:53:UNK:HA	1.71	0.46
2:M5:273:UNK:O	2:M5:276:UNK:N	2.48	0.46
2:M5:327:UNK:O	2:M5:330:UNK:N	2.49	0.46
2:M6:38:UNK:O	2:M6:41:UNK:N	2.49	0.46
14:BC:1625:UNK:O	14:BC:1626:UNK:O	2.33	0.46
1:L2:169:UNK:O	1:L2:173:UNK:N	2.49	0.46
1:L3:316:UNK:O	1:L3:317:UNK:C	2.63	0.46
1:L4:452:UNK:O	1:L4:456:UNK:N	2.48	0.46
1:L5:225:UNK:C	1:L5:229:UNK:CB	2.93	0.46
2:M1:168:UNK:CB	2:M1:174:UNK:CB	2.93	0.46
2:M2:432:UNK:O	2:M2:435:UNK:N	2.49	0.46
2:M3:178:UNK:O	2:M3:179:UNK:C	2.63	0.46
2:M3:327:UNK:O	2:M3:330:UNK:N	2.49	0.46
2:M4:315:UNK:O	2:M4:316:UNK:C	2.64	0.46
2:M5:38:UNK:O	2:M5:41:UNK:N	2.49	0.46
1:L1:314:UNK:O	1:L1:317:UNK:N	2.49	0.46
1:L1:95:UNK:O	1:L1:98:UNK:N	2.48	0.46
1:L2:108:UNK:O	1:L2:111:UNK:N	2.49	0.46
1:L5:108:UNK:O	1:L5:111:UNK:N	2.49	0.46
1:L5:151:UNK:O	1:L5:155:UNK:CA	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:316:UNK:O	1:L5:319:UNK:CA	2.64	0.46
1:L6:271:UNK:O	1:L6:274:UNK:N	2.49	0.46
2:M1:327:UNK:O	2:M1:330:UNK:N	2.49	0.46
2:M1:38:UNK:O	2:M1:41:UNK:N	2.49	0.46
2:M2:168:UNK:CB	2:M2:174:UNK:CB	2.93	0.46
2:M3:87:UNK:HA	2:M3:89:UNK:HA	1.97	0.46
2:M4:124:UNK:O	2:M4:125:UNK:C	2.64	0.46
2:M4:140:UNK:C	2:M4:142:UNK:N	2.74	0.46
2:M6:273:UNK:O	2:M6:277:UNK:N	2.48	0.46
7:U2:55:UNK:O	7:U2:58:UNK:O	2.34	0.46
1:L2:452:UNK:O	1:L2:456:UNK:N	2.48	0.45
1:L3:61:UNK:CA	1:L3:80:UNK:CB	2.93	0.45
2:M1:118:UNK:O	2:M1:121:UNK:N	2.50	0.45
2:M1:140:UNK:C	2:M1:142:UNK:N	2.74	0.45
2:M1:42:UNK:C	2:M1:44:UNK:N	2.76	0.45
2:M3:157:UNK:O	2:M3:160:UNK:N	2.48	0.45
2:M4:131:UNK:O	2:M4:132:UNK:C	2.63	0.45
2:M4:32:UNK:C	2:M4:34:UNK:N	2.79	0.45
2:M6:168:UNK:CB	2:M6:174:UNK:CB	2.93	0.45
2:M6:87:UNK:HA	2:M6:89:UNK:HA	1.98	0.45
1:L3:271:UNK:O	1:L3:274:UNK:N	2.49	0.45
1:L3:452:UNK:O	1:L3:456:UNK:N	2.48	0.45
1:L4:108:UNK:O	1:L4:111:UNK:N	2.49	0.45
1:L4:239:UNK:C	1:L4:240:UNK:O	2.60	0.45
1:L4:316:UNK:O	1:L4:317:UNK:C	2.63	0.45
1:L4:61:UNK:CA	1:L4:80:UNK:CB	2.93	0.45
1:L6:169:UNK:O	1:L6:173:UNK:N	2.49	0.45
1:L6:207:UNK:HA	1:L6:208:UNK:C	2.45	0.45
1:L6:316:UNK:O	1:L6:319:UNK:CA	2.64	0.45
2:M1:273:UNK:O	2:M1:277:UNK:N	2.48	0.45
2:M2:131:UNK:O	2:M2:132:UNK:C	2.63	0.45
2:M2:178:UNK:O	2:M2:179:UNK:C	2.63	0.45
2:M2:38:UNK:O	2:M2:41:UNK:N	2.49	0.45
2:M3:131:UNK:O	2:M3:132:UNK:C	2.63	0.45
2:M4:281:UNK:O	2:M4:284:UNK:C	2.64	0.45
2:M6:118:UNK:O	2:M6:121:UNK:N	2.50	0.45
2:M6:178:UNK:O	2:M6:179:UNK:C	2.63	0.45
2:M6:327:UNK:O	2:M6:330:UNK:N	2.49	0.45
2:M6:432:UNK:O	2:M6:435:UNK:N	2.49	0.45
7:U3:22:UNK:CA	14:BC:1635:UNK:CB	2.88	0.45
1:L5:124:UNK:O	1:L5:125:UNK:C	2.63	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:124:UNK:O	1:L6:125:UNK:C	2.63	0.45
1:L6:151:UNK:O	1:L6:155:UNK:CA	2.64	0.45
2:M1:347:UNK:C	2:M1:351:UNK:CB	2.92	0.45
2:M1:348:UNK:CA	2:M1:351:UNK:CB	2.85	0.45
2:M2:159:UNK:O	2:M2:160:UNK:C	2.64	0.45
2:M2:189:UNK:N	2:M2:191:UNK:C	2.75	0.45
2:M2:87:UNK:HA	2:M2:89:UNK:HA	1.98	0.45
1:L3:124:UNK:O	1:L3:125:UNK:C	2.63	0.45
1:L4:151:UNK:O	1:L4:155:UNK:CA	2.64	0.45
1:L4:169:UNK:O	1:L4:173:UNK:N	2.49	0.45
1:L4:316:UNK:O	1:L4:319:UNK:CA	2.64	0.45
1:L6:239:UNK:C	1:L6:240:UNK:O	2.60	0.45
1:L6:316:UNK:O	1:L6:317:UNK:C	2.63	0.45
2:M1:432:UNK:O	2:M1:435:UNK:N	2.49	0.45
2:M3:432:UNK:O	2:M3:435:UNK:N	2.49	0.45
2:M4:432:UNK:O	2:M4:435:UNK:N	2.49	0.45
2:M6:189:UNK:N	2:M6:191:UNK:C	2.75	0.45
1:L2:29:UNK:CA	1:L2:32:UNK:CB	2.86	0.45
1:L3:207:UNK:HA	1:L3:208:UNK:C	2.45	0.45
1:L5:29:UNK:CA	1:L5:32:UNK:CB	2.86	0.45
2:M1:273:UNK:O	2:M1:276:UNK:N	2.49	0.45
2:M1:406:UNK:O	2:M1:407:UNK:C	2.64	0.45
2:M3:118:UNK:O	2:M3:121:UNK:N	2.50	0.45
2:M4:225:UNK:CB	2:M4:228:UNK:CB	2.95	0.45
2:M5:432:UNK:O	2:M5:435:UNK:N	2.49	0.45
7:U1:55:UNK:O	7:U1:58:UNK:O	2.34	0.45
14:BC:1588:UNK:H	14:BF:547:UNK:HA	0.63	0.45
1:L3:151:UNK:O	1:L3:155:UNK:CA	2.64	0.45
1:L3:165:UNK:HA	1:L3:168:UNK:CB	2.47	0.45
1:L3:297:UNK:CA	1:L3:356:UNK:N	2.73	0.45
1:L4:246:UNK:O	1:L4:250:UNK:CA	2.65	0.45
1:L5:165:UNK:HA	1:L5:168:UNK:CB	2.47	0.45
1:L5:314:UNK:O	1:L5:317:UNK:N	2.49	0.45
1:L5:297:UNK:CA	1:L5:356:UNK:N	2.73	0.45
2:M4:433:UNK:O	2:M4:434:UNK:C	2.62	0.45
2:M4:87:UNK:HA	2:M4:89:UNK:HA	1.97	0.45
2:M6:131:UNK:O	2:M6:132:UNK:C	2.63	0.45
14:BD:544:UNK:O	14:BE:1590:UNK:CB	2.64	0.45
14:BE:1625:UNK:C	14:BE:1626:UNK:O	2.65	0.45
1:L1:165:UNK:HA	1:L1:168:UNK:CB	2.47	0.45
1:L1:169:UNK:O	1:L1:173:UNK:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L1:288:UNK:CB	1:L1:308:UNK:HA	2.47	0.45
1:L2:288:UNK:CB	1:L2:308:UNK:HA	2.47	0.45
1:L3:169:UNK:O	1:L3:173:UNK:N	2.49	0.45
1:L4:288:UNK:CB	1:L4:308:UNK:HA	2.47	0.45
1:L6:288:UNK:CB	1:L6:308:UNK:HA	2.47	0.45
2:M1:124:UNK:O	2:M1:125:UNK:C	2.64	0.45
2:M1:393:UNK:C	2:M1:395:UNK:N	2.79	0.45
2:M1:433:UNK:O	2:M1:434:UNK:C	2.63	0.45
2:M1:61:UNK:N	2:M1:63:UNK:N	2.65	0.45
2:M2:30:UNK:O	2:M2:33:UNK:N	2.50	0.45
2:M4:448:UNK:O	2:M4:449:UNK:C	2.61	0.45
2:M4:54:UNK:HA	2:M4:55:UNK:HA	1.65	0.45
7:U6:55:UNK:O	7:U6:58:UNK:O	2.34	0.45
1:L1:239:UNK:C	1:L1:240:UNK:O	2.59	0.45
1:L4:165:UNK:HA	1:L4:168:UNK:CB	2.47	0.45
2:M2:315:UNK:O	2:M2:316:UNK:C	2.64	0.45
2:M2:32:UNK:C	2:M2:34:UNK:N	2.79	0.45
2:M4:114:UNK:CA	2:M4:177:UNK:CB	2.95	0.45
2:M5:393:UNK:C	2:M5:395:UNK:N	2.79	0.45
2:M6:114:UNK:CA	2:M6:177:UNK:CB	2.95	0.45
7:U3:55:UNK:O	7:U3:58:UNK:O	2.34	0.45
14:BF:1625:UNK:C	14:BF:1626:UNK:O	2.65	0.45
1:L3:246:UNK:O	1:L3:250:UNK:CA	2.65	0.45
1:L3:309:UNK:O	1:L3:313:UNK:N	2.50	0.45
2:M1:178:UNK:O	2:M1:179:UNK:C	2.63	0.45
2:M2:225:UNK:CB	2:M2:228:UNK:CB	2.95	0.45
2:M2:61:UNK:N	2:M2:63:UNK:N	2.65	0.45
2:M3:225:UNK:CB	2:M3:228:UNK:CB	2.95	0.45
2:M4:327:UNK:O	2:M4:330:UNK:N	2.49	0.45
2:M5:178:UNK:O	2:M5:179:UNK:C	2.63	0.45
2:M5:42:UNK:C	2:M5:44:UNK:N	2.76	0.45
2:M5:87:UNK:HA	2:M5:89:UNK:HA	1.97	0.45
14:BD:1625:UNK:C	14:BD:1626:UNK:O	2.65	0.45
1:L1:246:UNK:O	1:L1:250:UNK:CA	2.65	0.45
1:L2:158:UNK:O	1:L2:159:UNK:C	2.64	0.45
1:L2:211:UNK:HA	1:L2:214:UNK:CB	2.47	0.45
1:L5:128:UNK:O	1:L5:129:UNK:C	2.61	0.45
1:L5:246:UNK:O	1:L5:250:UNK:CA	2.65	0.45
2:M2:124:UNK:O	2:M2:125:UNK:C	2.64	0.45
2:M3:30:UNK:O	2:M3:33:UNK:N	2.50	0.45
2:M4:38:UNK:O	2:M4:41:UNK:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M4:42:UNK:C	2:M4:44:UNK:N	2.76	0.45
2:M5:124:UNK:O	2:M5:125:UNK:C	2.64	0.45
2:M5:30:UNK:O	2:M5:33:UNK:N	2.50	0.45
7:U4:9:UNK:O	7:U4:12:UNK:N	2.50	0.45
14:BD:1614:UNK:C	14:BD:1617:UNK:CA	2.88	0.44
14:BF:1614:UNK:C	14:BF:1617:UNK:CA	2.88	0.44
1:L2:151:UNK:O	1:L2:155:UNK:CA	2.64	0.44
2:M3:175:UNK:C	2:M3:177:UNK:HA	2.47	0.44
2:M4:118:UNK:O	2:M4:121:UNK:N	2.50	0.44
2:M4:178:UNK:O	2:M4:179:UNK:C	2.63	0.44
2:M5:225:UNK:CB	2:M5:228:UNK:CB	2.95	0.44
2:M5:315:UNK:O	2:M5:316:UNK:C	2.64	0.44
2:M5:54:UNK:HA	2:M5:55:UNK:HA	1.65	0.44
2:M5:61:UNK:N	2:M5:63:UNK:N	2.65	0.44
2:M6:159:UNK:O	2:M6:160:UNK:C	2.64	0.44
2:M6:225:UNK:CB	2:M6:228:UNK:CB	2.95	0.44
1:L3:288:UNK:CB	1:L3:308:UNK:HA	2.47	0.44
1:L4:211:UNK:HA	1:L4:214:UNK:CB	2.47	0.44
1:L4:309:UNK:O	1:L4:313:UNK:N	2.50	0.44
1:L6:246:UNK:O	1:L6:250:UNK:CA	2.65	0.44
2:M1:225:UNK:CB	2:M1:228:UNK:CB	2.95	0.44
2:M4:88:UNK:HA	2:M4:89:UNK:HA	1.84	0.44
2:M5:114:UNK:CA	2:M5:177:UNK:CB	2.95	0.44
2:M5:140:UNK:C	2:M5:142:UNK:N	2.74	0.44
1:L1:155:UNK:O	1:L1:239:UNK:CB	2.65	0.44
1:L2:246:UNK:O	1:L2:250:UNK:CA	2.65	0.44
1:L6:165:UNK:HA	1:L6:168:UNK:CB	2.47	0.44
2:M1:62:UNK:N	2:M1:63:UNK:CA	2.77	0.44
2:M2:114:UNK:CA	2:M2:177:UNK:CB	2.95	0.44
2:M3:433:UNK:O	2:M3:434:UNK:C	2.62	0.44
2:M4:175:UNK:C	2:M4:177:UNK:HA	2.47	0.44
2:M4:91:UNK:O	2:M4:94:UNK:CB	2.66	0.44
2:M5:118:UNK:O	2:M5:121:UNK:N	2.50	0.44
2:M5:32:UNK:C	2:M5:34:UNK:N	2.79	0.44
2:M5:348:UNK:CA	2:M5:351:UNK:CB	2.85	0.44
2:M6:32:UNK:C	2:M6:34:UNK:N	2.79	0.44
2:M6:61:UNK:N	2:M6:63:UNK:N	2.65	0.44
2:M6:91:UNK:O	2:M6:94:UNK:CB	2.66	0.44
1:L2:128:UNK:O	1:L2:129:UNK:C	2.61	0.44
1:L2:165:UNK:HA	1:L2:168:UNK:CB	2.47	0.44
1:L4:155:UNK:O	1:L4:239:UNK:CB	2.65	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:211:UNK:HA	1:L6:214:UNK:CB	2.48	0.44
2:M3:42:UNK:C	2:M3:44:UNK:N	2.76	0.44
2:M5:281:UNK:O	2:M5:284:UNK:C	2.64	0.44
7:U1:9:UNK:O	7:U1:12:UNK:N	2.50	0.44
1:L2:379:UNK:O	1:L2:388:UNK:CB	2.66	0.44
1:L3:211:UNK:HA	1:L3:214:UNK:CB	2.48	0.44
1:L3:155:UNK:O	1:L3:239:UNK:CB	2.65	0.44
1:L5:211:UNK:HA	1:L5:214:UNK:CB	2.48	0.44
2:M3:114:UNK:CA	2:M3:177:UNK:CB	2.95	0.44
2:M3:91:UNK:O	2:M3:94:UNK:CB	2.66	0.44
7:U5:55:UNK:O	7:U5:58:UNK:O	2.34	0.44
14:BB:1625:UNK:C	14:BB:1626:UNK:O	2.65	0.44
1:L1:151:UNK:O	1:L1:155:UNK:CA	2.64	0.44
1:L1:379:UNK:O	1:L1:388:UNK:CB	2.66	0.44
1:L2:155:UNK:O	1:L2:239:UNK:CB	2.65	0.44
1:L6:379:UNK:O	1:L6:388:UNK:CB	2.66	0.44
2:M1:131:UNK:O	2:M1:132:UNK:C	2.63	0.44
2:M1:315:UNK:O	2:M1:316:UNK:C	2.64	0.44
2:M1:91:UNK:O	2:M1:94:UNK:CB	2.66	0.44
2:M2:91:UNK:O	2:M2:94:UNK:CB	2.66	0.44
2:M5:91:UNK:O	2:M5:94:UNK:CB	2.66	0.44
7:U3:9:UNK:O	7:U3:12:UNK:N	2.50	0.44
14:BC:1625:UNK:C	14:BC:1626:UNK:O	2.65	0.44
1:L1:211:UNK:HA	1:L1:214:UNK:CB	2.47	0.44
1:L1:32:UNK:HA	1:L1:35:UNK:CB	2.48	0.44
1:L1:61:UNK:CA	1:L1:80:UNK:CB	2.93	0.44
1:L6:309:UNK:O	1:L6:313:UNK:N	2.50	0.44
2:M1:159:UNK:O	2:M1:160:UNK:C	2.64	0.44
2:M2:118:UNK:O	2:M2:121:UNK:N	2.50	0.44
2:M4:30:UNK:O	2:M4:33:UNK:N	2.50	0.44
2:M6:30:UNK:O	2:M6:33:UNK:N	2.50	0.44
14:BA:1625:UNK:C	14:BA:1626:UNK:O	2.65	0.44
1:L3:379:UNK:O	1:L3:388:UNK:CB	2.66	0.44
1:L4:124:UNK:O	1:L4:125:UNK:C	2.63	0.44
1:L4:379:UNK:O	1:L4:388:UNK:CB	2.66	0.44
1:L6:343:UNK:O	1:L6:347:UNK:N	2.51	0.44
2:M2:22:UNK:HA	2:M2:23:UNK:HA	1.73	0.44
2:M3:315:UNK:O	2:M3:316:UNK:C	2.64	0.44
2:M5:175:UNK:C	2:M5:177:UNK:HA	2.47	0.44
2:M5:433:UNK:O	2:M5:434:UNK:C	2.63	0.44
1:L1:309:UNK:O	1:L1:313:UNK:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L3:209:UNK:O	1:L3:210:UNK:C	2.66	0.44
1:L4:203:UNK:HA	1:L4:204:UNK:HA	1.87	0.44
1:L4:32:UNK:HA	1:L4:35:UNK:CB	2.48	0.44
1:L5:155:UNK:O	1:L5:239:UNK:CB	2.65	0.44
1:L5:309:UNK:O	1:L5:313:UNK:N	2.50	0.44
1:L5:343:UNK:O	1:L5:347:UNK:N	2.51	0.44
1:L6:158:UNK:O	1:L6:159:UNK:C	2.64	0.44
2:M3:191:UNK:CB	2:M3:192:UNK:CA	2.92	0.44
2:M3:61:UNK:N	2:M3:63:UNK:N	2.65	0.44
1:L1:250:UNK:O	1:L1:254:UNK:CB	2.66	0.43
1:L4:250:UNK:O	1:L4:254:UNK:CB	2.66	0.43
1:L4:77:UNK:CA	1:L4:78:UNK:CB	2.84	0.43
1:L5:297:UNK:HA	1:L5:355:UNK:CA	2.48	0.43
2:M3:406:UNK:O	2:M3:407:UNK:C	2.64	0.43
2:M6:433:UNK:O	2:M6:434:UNK:C	2.62	0.43
1:L1:209:UNK:O	1:L1:210:UNK:C	2.66	0.43
1:L2:32:UNK:HA	1:L2:35:UNK:CB	2.48	0.43
1:L6:155:UNK:O	1:L6:239:UNK:CB	2.65	0.43
2:M1:114:UNK:CA	2:M1:177:UNK:CB	2.95	0.43
2:M1:30:UNK:O	2:M1:33:UNK:N	2.50	0.43
2:M1:88:UNK:HA	2:M1:89:UNK:HA	1.84	0.43
2:M2:406:UNK:O	2:M2:407:UNK:C	2.64	0.43
2:M5:127:UNK:O	2:M5:128:UNK:C	2.61	0.43
2:M5:131:UNK:O	2:M5:132:UNK:C	2.63	0.43
7:U6:9:UNK:O	7:U6:12:UNK:N	2.51	0.43
1:L2:343:UNK:O	1:L2:347:UNK:N	2.51	0.43
1:L4:343:UNK:O	1:L4:347:UNK:N	2.51	0.43
1:L5:288:UNK:CB	1:L5:308:UNK:HA	2.47	0.43
1:L5:32:UNK:HA	1:L5:35:UNK:CB	2.48	0.43
2:M1:175:UNK:C	2:M1:177:UNK:HA	2.47	0.43
2:M2:62:UNK:CB	2:M2:65:UNK:N	2.82	0.43
2:M4:406:UNK:O	2:M4:407:UNK:C	2.64	0.43
2:M6:341:UNK:C	2:M6:342:UNK:O	2.56	0.43
7:U2:9:UNK:O	7:U2:12:UNK:N	2.51	0.43
7:U5:9:UNK:O	7:U5:12:UNK:N	2.51	0.43
1:L2:309:UNK:O	1:L2:313:UNK:N	2.50	0.43
1:L6:209:UNK:O	1:L6:210:UNK:C	2.66	0.43
1:L6:250:UNK:O	1:L6:254:UNK:CB	2.66	0.43
1:L6:32:UNK:HA	1:L6:35:UNK:CB	2.48	0.43
2:M1:54:UNK:HA	2:M1:55:UNK:HA	1.65	0.43
1:L4:108:UNK:O	1:L4:111:UNK:CB	2.67	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L6:108:UNK:O	1:L6:111:UNK:CB	2.67	0.43
2:M3:159:UNK:O	2:M3:160:UNK:C	2.64	0.43
2:M3:347:UNK:C	2:M3:351:UNK:CB	2.92	0.43
2:M3:52:UNK:HA	2:M3:53:UNK:HA	1.71	0.43
2:M3:62:UNK:CB	2:M3:65:UNK:N	2.82	0.43
2:M4:61:UNK:N	2:M4:63:UNK:N	2.65	0.43
1:L5:209:UNK:O	1:L5:210:UNK:C	2.66	0.43
1:L5:379:UNK:O	1:L5:388:UNK:CB	2.66	0.43
2:M1:32:UNK:C	2:M1:34:UNK:N	2.79	0.43
2:M2:49:UNK:CA	2:M2:50:UNK:CB	2.84	0.43
2:M4:62:UNK:CB	2:M4:65:UNK:N	2.82	0.43
7:U4:35:UNK:CB	7:U4:39:UNK:N	2.82	0.43
1:L2:297:UNK:HA	1:L2:355:UNK:CA	2.48	0.43
1:L3:158:UNK:O	1:L3:159:UNK:C	2.64	0.43
1:L4:209:UNK:O	1:L4:210:UNK:C	2.66	0.43
1:L5:250:UNK:O	1:L5:254:UNK:CB	2.67	0.43
1:L6:63:UNK:CB	1:L6:78:UNK:CB	2.97	0.43
2:M2:55:UNK:HA	2:M2:56:UNK:HA	1.82	0.43
2:M3:124:UNK:O	2:M3:125:UNK:C	2.64	0.43
7:U5:35:UNK:CB	7:U5:39:UNK:N	2.82	0.43
14:BD:1609:UNK:CB	14:BD:1642:UNK:C	2.97	0.43
1:L2:108:UNK:O	1:L2:111:UNK:CB	2.67	0.43
1:L3:343:UNK:O	1:L3:347:UNK:N	2.51	0.43
1:L4:431:UNK:O	1:L4:432:UNK:CB	2.67	0.43
2:M6:315:UNK:O	2:M6:316:UNK:C	2.64	0.43
2:M6:347:UNK:C	2:M6:351:UNK:CB	2.92	0.43
2:M6:406:UNK:O	2:M6:407:UNK:C	2.64	0.43
2:M6:62:UNK:CB	2:M6:65:UNK:N	2.82	0.43
1:L3:32:UNK:HA	1:L3:35:UNK:CB	2.48	0.43
1:L4:82:UNK:O	1:L4:86:UNK:N	2.52	0.43
1:L5:34:UNK:O	1:L5:37:UNK:N	2.52	0.43
1:L6:34:UNK:O	1:L6:37:UNK:N	2.52	0.43
2:M3:408:UNK:O	2:M3:412:UNK:N	2.52	0.43
7:U2:35:UNK:CB	7:U2:39:UNK:N	2.82	0.43
1:L1:141:UNK:O	1:L1:142:UNK:C	2.67	0.43
1:L2:82:UNK:O	1:L2:86:UNK:N	2.52	0.43
1:L3:250:UNK:O	1:L3:254:UNK:CB	2.66	0.43
1:L4:246:UNK:O	1:L4:250:UNK:C	2.65	0.43
1:L6:141:UNK:O	1:L6:142:UNK:C	2.67	0.43
2:M2:408:UNK:O	2:M2:412:UNK:N	2.52	0.43
2:M5:408:UNK:O	2:M5:412:UNK:N	2.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
14:BA:1609:UNK:CB	14:BA:1642:UNK:C	2.97	0.42
1:L1:343:UNK:O	1:L1:347:UNK:N	2.51	0.42
1:L3:203:UNK:HA	1:L3:204:UNK:HA	1.87	0.42
1:L5:108:UNK:O	1:L5:111:UNK:CB	2.67	0.42
2:M1:52:UNK:HA	2:M1:53:UNK:HA	1.71	0.42
2:M3:22:UNK:CA	2:M3:23:UNK:CB	2.97	0.42
2:M4:22:UNK:CA	2:M4:23:UNK:CB	2.97	0.42
2:M4:326:UNK:O	2:M4:327:UNK:C	2.67	0.42
2:M4:393:UNK:C	2:M4:395:UNK:N	2.79	0.42
2:M5:164:UNK:O	2:M5:167:UNK:N	2.53	0.42
2:M5:62:UNK:CB	2:M5:65:UNK:N	2.82	0.42
2:M6:42:UNK:C	2:M6:44:UNK:N	2.76	0.42
7:U3:35:UNK:CB	7:U3:39:UNK:N	2.82	0.42
14:BB:1609:UNK:CB	14:BB:1642:UNK:C	2.97	0.42
1:L1:124:UNK:O	1:L1:125:UNK:C	2.63	0.42
1:L1:140:UNK:O	1:L1:143:UNK:N	2.52	0.42
1:L1:246:UNK:O	1:L1:250:UNK:C	2.65	0.42
1:L1:34:UNK:O	1:L1:37:UNK:N	2.52	0.42
1:L2:209:UNK:O	1:L2:210:UNK:C	2.66	0.42
1:L2:420:UNK:O	1:L2:423:UNK:N	2.52	0.42
1:L4:241:UNK:O	1:L4:242:UNK:C	2.68	0.42
1:L6:140:UNK:O	1:L6:143:UNK:N	2.52	0.42
2:M1:62:UNK:CB	2:M1:65:UNK:N	2.82	0.42
2:M3:164:UNK:O	2:M3:167:UNK:N	2.53	0.42
14:BF:1609:UNK:CB	14:BF:1642:UNK:C	2.97	0.42
1:L2:431:UNK:O	1:L2:432:UNK:CB	2.67	0.42
1:L3:108:UNK:O	1:L3:111:UNK:CB	2.67	0.42
1:L4:158:UNK:O	1:L4:159:UNK:C	2.64	0.42
1:L4:420:UNK:O	1:L4:423:UNK:N	2.52	0.42
1:L5:241:UNK:O	1:L5:242:UNK:C	2.68	0.42
1:L5:82:UNK:O	1:L5:86:UNK:N	2.52	0.42
1:L6:109:UNK:O	1:L6:110:UNK:CB	2.68	0.42
2:M5:168:UNK:CB	2:M5:174:UNK:CA	2.97	0.42
2:M6:175:UNK:C	2:M6:177:UNK:HA	2.47	0.42
2:M6:348:UNK:CA	2:M6:351:UNK:CB	2.85	0.42
2:M6:54:UNK:HA	2:M6:55:UNK:HA	1.65	0.42
14:BE:1609:UNK:CB	14:BE:1642:UNK:C	2.97	0.42
14:BE:1614:UNK:C	14:BE:1617:UNK:CA	2.88	0.42
1:L2:109:UNK:O	1:L2:110:UNK:CB	2.67	0.42
1:L3:34:UNK:O	1:L3:37:UNK:N	2.52	0.42
1:L4:63:UNK:CB	1:L4:78:UNK:CB	2.97	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L5:140:UNK:O	1:L5:143:UNK:N	2.52	0.42
1:L6:369:UNK:O	1:L6:372:UNK:N	2.53	0.42
2:M1:168:UNK:CB	2:M1:174:UNK:CA	2.97	0.42
2:M6:408:UNK:O	2:M6:412:UNK:N	2.52	0.42
1:L1:158:UNK:O	1:L1:159:UNK:C	2.64	0.42
1:L1:431:UNK:O	1:L1:432:UNK:CB	2.67	0.42
1:L2:124:UNK:O	1:L2:125:UNK:C	2.63	0.42
1:L2:369:UNK:O	1:L2:372:UNK:N	2.53	0.42
1:L3:369:UNK:O	1:L3:372:UNK:N	2.53	0.42
1:L3:82:UNK:O	1:L3:86:UNK:N	2.52	0.42
1:L5:109:UNK:O	1:L5:110:UNK:CB	2.67	0.42
1:L5:128:UNK:O	1:L5:132:UNK:N	2.53	0.42
2:M3:54:UNK:HA	2:M3:55:UNK:HA	1.65	0.42
2:M3:55:UNK:HA	2:M3:56:UNK:HA	1.82	0.42
2:M4:52:UNK:HA	2:M4:53:UNK:HA	1.71	0.42
7:U1:11:UNK:O	7:U1:12:UNK:C	2.67	0.42
1:L3:109:UNK:O	1:L3:110:UNK:CB	2.67	0.42
1:L3:128:UNK:O	1:L3:132:UNK:N	2.53	0.42
1:L3:420:UNK:O	1:L3:423:UNK:N	2.53	0.42
1:L3:63:UNK:CB	1:L3:78:UNK:CB	2.97	0.42
1:L4:369:UNK:O	1:L4:372:UNK:N	2.53	0.42
2:M1:22:UNK:CA	2:M1:23:UNK:CB	2.97	0.42
2:M2:168:UNK:CB	2:M2:174:UNK:CA	2.97	0.42
2:M5:111:UNK:O	2:M5:112:UNK:CB	2.68	0.42
2:M5:159:UNK:O	2:M5:160:UNK:C	2.64	0.42
7:U2:11:UNK:O	7:U2:12:UNK:C	2.67	0.42
7:U6:35:UNK:CB	7:U6:39:UNK:N	2.82	0.42
1:L1:108:UNK:O	1:L1:111:UNK:CB	2.67	0.42
1:L2:140:UNK:O	1:L2:143:UNK:N	2.52	0.42
1:L2:241:UNK:O	1:L2:242:UNK:C	2.68	0.42
1:L2:250:UNK:O	1:L2:254:UNK:CB	2.66	0.42
1:L3:241:UNK:O	1:L3:242:UNK:C	2.68	0.42
1:L4:109:UNK:O	1:L4:110:UNK:CB	2.67	0.42
2:M1:369:UNK:O	2:M1:372:UNK:CB	2.68	0.42
2:M1:408:UNK:O	2:M1:412:UNK:N	2.52	0.42
2:M3:168:UNK:HA	2:M3:174:UNK:HA	2.02	0.42
2:M3:369:UNK:O	2:M3:372:UNK:CB	2.68	0.42
2:M4:179:UNK:O	2:M4:180:UNK:C	2.68	0.42
2:M6:124:UNK:O	2:M6:125:UNK:C	2.64	0.42
2:M6:22:UNK:CA	2:M6:23:UNK:CB	2.97	0.42
7:U1:35:UNK:CB	7:U1:39:UNK:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:63:UNK:CB	1:L2:78:UNK:CB	2.97	0.42
1:L4:141:UNK:O	1:L4:142:UNK:C	2.67	0.42
1:L5:63:UNK:CB	1:L5:78:UNK:CB	2.97	0.42
1:L6:128:UNK:O	1:L6:132:UNK:N	2.53	0.42
1:L6:420:UNK:O	1:L6:423:UNK:N	2.52	0.42
1:L6:82:UNK:O	1:L6:86:UNK:N	2.52	0.42
2:M2:168:UNK:HA	2:M2:174:UNK:HA	2.02	0.42
2:M2:369:UNK:O	2:M2:372:UNK:CB	2.68	0.42
2:M4:113:UNK:CA	2:M4:114:UNK:CB	2.89	0.42
2:M5:14:UNK:O	2:M5:15:UNK:C	2.60	0.42
2:M5:55:UNK:HA	2:M5:56:UNK:HA	1.82	0.42
2:M6:393:UNK:C	2:M6:395:UNK:N	2.79	0.42
14:BC:1609:UNK:CB	14:BC:1642:UNK:C	2.97	0.42
1:L1:128:UNK:O	1:L1:132:UNK:N	2.53	0.42
1:L2:141:UNK:O	1:L2:142:UNK:C	2.67	0.42
2:M1:50:UNK:O	2:M1:51:UNK:CB	2.68	0.42
2:M3:113:UNK:CA	2:M3:114:UNK:CB	2.89	0.42
2:M4:111:UNK:O	2:M4:112:UNK:CB	2.68	0.42
2:M4:408:UNK:O	2:M4:412:UNK:N	2.52	0.42
2:M5:179:UNK:O	2:M5:180:UNK:C	2.68	0.42
1:L2:34:UNK:O	1:L2:37:UNK:N	2.52	0.42
1:L3:141:UNK:O	1:L3:142:UNK:C	2.67	0.42
1:L4:34:UNK:O	1:L4:37:UNK:N	2.52	0.42
1:L4:496:UNK:O	1:L4:497:UNK:C	2.68	0.42
1:L5:420:UNK:O	1:L5:423:UNK:N	2.52	0.42
1:L6:431:UNK:O	1:L6:432:UNK:CB	2.67	0.42
2:M5:369:UNK:O	2:M5:372:UNK:CB	2.68	0.42
1:L1:241:UNK:O	1:L1:242:UNK:C	2.68	0.41
1:L1:274:UNK:O	1:L1:275:UNK:C	2.67	0.41
1:L1:496:UNK:O	1:L1:497:UNK:C	2.68	0.41
1:L1:63:UNK:CB	1:L1:78:UNK:CB	2.97	0.41
1:L5:141:UNK:O	1:L5:142:UNK:C	2.67	0.41
1:L5:431:UNK:O	1:L5:432:UNK:CB	2.67	0.41
1:L6:496:UNK:O	1:L6:497:UNK:C	2.68	0.41
1:L6:65:UNK:CB	1:L6:66:UNK:HA	2.50	0.41
2:M1:164:UNK:O	2:M1:167:UNK:N	2.53	0.41
2:M2:111:UNK:O	2:M2:112:UNK:CB	2.68	0.41
2:M2:54:UNK:HA	2:M2:55:UNK:HA	1.65	0.41
2:M3:168:UNK:CB	2:M3:174:UNK:CA	2.97	0.41
2:M4:164:UNK:O	2:M4:167:UNK:N	2.53	0.41
2:M4:369:UNK:O	2:M4:372:UNK:CB	2.68	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M6:164:UNK:O	2:M6:167:UNK:N	2.52	0.41
1:L1:109:UNK:O	1:L1:110:UNK:CB	2.67	0.41
1:L1:369:UNK:O	1:L1:372:UNK:N	2.53	0.41
1:L1:82:UNK:O	1:L1:86:UNK:N	2.52	0.41
1:L2:203:UNK:HA	1:L2:204:UNK:HA	1.88	0.41
1:L2:65:UNK:CB	1:L2:66:UNK:HA	2.50	0.41
1:L4:140:UNK:O	1:L4:143:UNK:N	2.53	0.41
2:M1:179:UNK:O	2:M1:180:UNK:C	2.68	0.41
2:M1:399:UNK:O	2:M1:403:UNK:N	2.53	0.41
2:M2:50:UNK:O	2:M2:51:UNK:CB	2.68	0.41
2:M4:168:UNK:CB	2:M4:174:UNK:CA	2.97	0.41
2:M5:139:UNK:CA	2:M5:140:UNK:CB	2.98	0.41
2:M5:168:UNK:HA	2:M5:174:UNK:HA	2.02	0.41
1:L2:182:UNK:O	1:L2:185:UNK:N	2.54	0.41
1:L3:140:UNK:O	1:L3:143:UNK:N	2.52	0.41
1:L3:274:UNK:O	1:L3:275:UNK:C	2.67	0.41
1:L3:431:UNK:O	1:L3:432:UNK:CB	2.67	0.41
1:L3:496:UNK:O	1:L3:497:UNK:C	2.68	0.41
1:L5:158:UNK:O	1:L5:159:UNK:C	2.64	0.41
2:M1:275:UNK:HA	2:M1:278:UNK:CB	2.51	0.41
2:M2:326:UNK:O	2:M2:327:UNK:C	2.67	0.41
2:M3:326:UNK:O	2:M3:327:UNK:C	2.67	0.41
2:M3:399:UNK:O	2:M3:403:UNK:N	2.54	0.41
2:M4:275:UNK:HA	2:M4:278:UNK:CB	2.51	0.41
2:M5:22:UNK:CA	2:M5:23:UNK:CB	2.97	0.41
1:L1:182:UNK:O	1:L1:185:UNK:N	2.54	0.41
1:L5:496:UNK:O	1:L5:497:UNK:C	2.68	0.41
1:L6:210:UNK:C	1:L6:212:UNK:N	2.82	0.41
2:M2:399:UNK:O	2:M2:403:UNK:N	2.53	0.41
2:M3:174:UNK:O	2:M3:175:UNK:C	2.69	0.41
2:M5:113:UNK:CA	2:M5:114:UNK:CB	2.89	0.41
2:M5:50:UNK:O	2:M5:51:UNK:CB	2.68	0.41
2:M6:369:UNK:O	2:M6:372:UNK:CB	2.68	0.41
2:M6:399:UNK:O	2:M6:403:UNK:N	2.53	0.41
1:L1:193:UNK:O	1:L1:194:UNK:C	2.69	0.41
1:L3:210:UNK:C	1:L3:212:UNK:N	2.82	0.41
1:L4:418:UNK:O	1:L4:421:UNK:CB	2.69	0.41
1:L5:184:UNK:O	1:L5:188:UNK:N	2.54	0.41
1:L5:203:UNK:HA	1:L5:204:UNK:HA	1.88	0.41
1:L5:369:UNK:O	1:L5:372:UNK:N	2.53	0.41
1:L6:418:UNK:O	1:L6:421:UNK:CB	2.69	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M2:164:UNK:O	2:M2:167:UNK:N	2.52	0.41
2:M3:179:UNK:O	2:M3:180:UNK:C	2.68	0.41
2:M3:225:UNK:O	2:M3:228:UNK:C	2.69	0.41
2:M3:393:UNK:C	2:M3:395:UNK:N	2.79	0.41
2:M3:88:UNK:HA	2:M3:89:UNK:HA	1.84	0.41
2:M4:209:UNK:O	2:M4:210:UNK:C	2.69	0.41
2:M4:225:UNK:O	2:M4:228:UNK:C	2.69	0.41
2:M6:111:UNK:O	2:M6:112:UNK:CB	2.68	0.41
2:M6:168:UNK:CB	2:M6:174:UNK:CA	2.97	0.41
2:M6:88:UNK:HA	2:M6:89:UNK:HA	1.84	0.41
1:L1:420:UNK:O	1:L1:423:UNK:N	2.52	0.41
1:L2:128:UNK:O	1:L2:132:UNK:N	2.53	0.41
2:M1:111:UNK:O	2:M1:112:UNK:CB	2.68	0.41
2:M1:168:UNK:HA	2:M1:174:UNK:HA	2.02	0.41
2:M2:115:UNK:O	2:M2:116:UNK:CB	2.69	0.41
2:M2:22:UNK:CA	2:M2:23:UNK:CB	2.97	0.41
2:M4:399:UNK:O	2:M4:403:UNK:N	2.53	0.41
2:M4:50:UNK:O	2:M4:51:UNK:CB	2.68	0.41
2:M6:50:UNK:O	2:M6:51:UNK:CB	2.68	0.41
1:L1:192:UNK:O	1:L1:193:UNK:C	2.69	0.41
1:L3:418:UNK:O	1:L3:421:UNK:CB	2.69	0.41
1:L4:128:UNK:O	1:L4:132:UNK:N	2.53	0.41
1:L4:182:UNK:O	1:L4:185:UNK:N	2.54	0.41
2:M1:189:UNK:C	2:M1:191:UNK:O	2.69	0.41
2:M2:327:UNK:O	2:M2:330:UNK:CB	2.69	0.41
2:M2:393:UNK:C	2:M2:395:UNK:N	2.79	0.41
2:M3:327:UNK:O	2:M3:330:UNK:CB	2.69	0.41
2:M5:209:UNK:O	2:M5:210:UNK:C	2.69	0.41
2:M6:133:UNK:O	2:M6:224:UNK:CB	2.69	0.41
2:M6:179:UNK:O	2:M6:180:UNK:C	2.68	0.41
2:M6:209:UNK:O	2:M6:210:UNK:C	2.69	0.41
2:M6:275:UNK:HA	2:M6:278:UNK:CB	2.51	0.41
2:M6:327:UNK:O	2:M6:330:UNK:CB	2.69	0.41
1:L2:191:UNK:O	1:L2:192:UNK:CB	2.69	0.41
1:L2:496:UNK:O	1:L2:497:UNK:C	2.68	0.41
1:L4:184:UNK:O	1:L4:188:UNK:N	2.54	0.41
1:L5:167:UNK:O	1:L5:170:UNK:CB	2.69	0.41
1:L6:184:UNK:O	1:L6:188:UNK:N	2.54	0.41
2:M1:29:UNK:O	2:M1:30:UNK:C	2.69	0.41
2:M2:139:UNK:CA	2:M2:140:UNK:CB	2.98	0.41
2:M3:186:UNK:O	2:M3:253:UNK:CB	2.69	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M3:50:UNK:O	2:M3:51:UNK:CB	2.68	0.41
2:M4:382:UNK:O	2:M4:383:UNK:C	2.69	0.41
2:M5:327:UNK:O	2:M5:330:UNK:CB	2.69	0.41
2:M5:399:UNK:O	2:M5:403:UNK:N	2.53	0.41
2:M5:52:UNK:HA	2:M5:53:UNK:HA	1.71	0.41
1:L2:161:UNK:CB	1:L2:163:UNK:N	2.84	0.41
1:L2:246:UNK:O	1:L2:250:UNK:C	2.66	0.41
1:L2:275:UNK:O	1:L2:278:UNK:N	2.54	0.41
1:L3:161:UNK:CB	1:L3:163:UNK:N	2.84	0.41
1:L3:184:UNK:O	1:L3:188:UNK:N	2.54	0.41
1:L3:297:UNK:CA	1:L3:355:UNK:HA	2.50	0.41
1:L4:65:UNK:CB	1:L4:66:UNK:HA	2.50	0.41
1:L5:275:UNK:O	1:L5:278:UNK:N	2.54	0.41
1:L6:297:UNK:HA	1:L6:355:UNK:CA	2.48	0.41
2:M1:225:UNK:O	2:M1:228:UNK:C	2.69	0.41
2:M2:209:UNK:O	2:M2:210:UNK:C	2.69	0.41
2:M2:133:UNK:O	2:M2:224:UNK:CB	2.69	0.41
2:M2:345:UNK:O	2:M2:346:UNK:CB	2.69	0.41
2:M4:163:UNK:O	2:M4:164:UNK:C	2.69	0.41
2:M4:327:UNK:O	2:M4:330:UNK:CB	2.69	0.41
2:M5:225:UNK:O	2:M5:228:UNK:C	2.69	0.41
7:U5:11:UNK:O	7:U5:12:UNK:C	2.67	0.41
1:L1:275:UNK:O	1:L1:278:UNK:N	2.54	0.41
1:L3:182:UNK:O	1:L3:183:UNK:C	2.69	0.41
1:L3:298:UNK:O	1:L3:301:UNK:CB	2.69	0.41
1:L4:167:UNK:O	1:L4:170:UNK:CB	2.69	0.41
1:L5:298:UNK:O	1:L5:301:UNK:CB	2.69	0.41
1:L6:275:UNK:O	1:L6:278:UNK:N	2.54	0.41
1:L6:298:UNK:O	1:L6:301:UNK:CB	2.69	0.41
2:M1:133:UNK:O	2:M1:224:UNK:CB	2.69	0.41
2:M1:186:UNK:O	2:M1:253:UNK:CB	2.69	0.41
2:M3:189:UNK:C	2:M3:191:UNK:O	2.69	0.41
2:M3:209:UNK:O	2:M3:210:UNK:C	2.69	0.41
2:M3:382:UNK:O	2:M3:385:UNK:CB	2.69	0.41
2:M4:115:UNK:O	2:M4:116:UNK:CB	2.69	0.41
2:M4:240:UNK:O	2:M4:241:UNK:C	2.69	0.41
2:M5:382:UNK:O	2:M5:383:UNK:C	2.69	0.41
2:M6:381:UNK:O	2:M6:382:UNK:C	2.67	0.41
2:M6:49:UNK:CA	2:M6:50:UNK:CB	2.84	0.41
14:BA:1601:UNK:C	14:BA:1605:UNK:N	2.74	0.41
1:L1:297:UNK:HA	1:L1:355:UNK:CA	2.48	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:167:UNK:O	1:L2:170:UNK:CB	2.69	0.41
1:L2:274:UNK:O	1:L2:275:UNK:C	2.67	0.41
1:L2:298:UNK:O	1:L2:301:UNK:CB	2.69	0.41
1:L3:182:UNK:O	1:L3:185:UNK:N	2.54	0.41
1:L3:67:UNK:O	1:L3:68:UNK:CB	2.69	0.41
1:L4:192:UNK:O	1:L4:193:UNK:C	2.69	0.41
1:L4:275:UNK:O	1:L4:278:UNK:N	2.54	0.41
1:L5:386:UNK:O	1:L5:387:UNK:CB	2.69	0.41
1:L5:65:UNK:CB	1:L5:66:UNK:HA	2.50	0.41
1:L5:67:UNK:O	1:L5:68:UNK:CB	2.69	0.41
1:L6:182:UNK:O	1:L6:185:UNK:N	2.54	0.41
2:M1:167:UNK:O	2:M1:171:UNK:CB	2.70	0.41
2:M1:172:UNK:O	2:M1:173:UNK:CB	2.69	0.41
2:M2:179:UNK:O	2:M2:180:UNK:C	2.68	0.41
2:M2:240:UNK:O	2:M2:241:UNK:C	2.69	0.41
2:M2:251:UNK:O	2:M2:252:UNK:CB	2.69	0.41
2:M2:275:UNK:HA	2:M2:278:UNK:CB	2.51	0.41
2:M3:167:UNK:O	2:M3:171:UNK:CB	2.69	0.41
2:M3:367:UNK:O	2:M3:368:UNK:CB	2.69	0.41
2:M3:382:UNK:O	2:M3:383:UNK:C	2.69	0.41
2:M4:189:UNK:C	2:M4:191:UNK:O	2.69	0.41
2:M4:322:UNK:O	2:M4:323:UNK:C	2.69	0.41
2:M4:57:UNK:O	2:M4:58:UNK:CB	2.70	0.41
2:M5:326:UNK:O	2:M5:327:UNK:C	2.67	0.41
2:M6:139:UNK:CA	2:M6:140:UNK:CB	2.98	0.41
2:M6:345:UNK:O	2:M6:346:UNK:CB	2.69	0.41
7:U3:36:UNK:O	7:U3:42:UNK:CB	2.69	0.41
1:L1:67:UNK:O	1:L1:68:UNK:CB	2.69	0.40
1:L2:418:UNK:O	1:L2:421:UNK:CB	2.69	0.40
1:L3:114:UNK:O	1:L3:115:UNK:C	2.70	0.40
1:L4:274:UNK:O	1:L4:275:UNK:C	2.67	0.40
1:L5:114:UNK:O	1:L5:115:UNK:C	2.70	0.40
1:L6:114:UNK:O	1:L6:115:UNK:C	2.69	0.40
1:L6:241:UNK:O	1:L6:242:UNK:C	2.68	0.40
2:M1:115:UNK:O	2:M1:116:UNK:CB	2.69	0.40
2:M1:327:UNK:O	2:M1:330:UNK:CB	2.69	0.40
2:M1:382:UNK:O	2:M1:385:UNK:CB	2.69	0.40
2:M2:108:UNK:O	2:M2:111:UNK:CB	2.69	0.40
2:M2:186:UNK:O	2:M2:253:UNK:CB	2.69	0.40
2:M3:133:UNK:O	2:M3:224:UNK:CB	2.69	0.40
2:M4:382:UNK:O	2:M4:385:UNK:CB	2.69	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M5:115:UNK:O	2:M5:116:UNK:CB	2.69	0.40
2:M5:322:UNK:O	2:M5:323:UNK:C	2.69	0.40
2:M6:367:UNK:O	2:M6:368:UNK:CB	2.69	0.40
2:M6:7:UNK:O	2:M6:8:UNK:C	2.70	0.40
7:U4:11:UNK:O	7:U4:12:UNK:C	2.67	0.40
1:L1:182:UNK:O	1:L1:183:UNK:C	2.69	0.40
1:L1:34:UNK:O	1:L1:37:UNK:CB	2.69	0.40
1:L1:418:UNK:O	1:L1:421:UNK:CB	2.69	0.40
1:L1:65:UNK:CB	1:L1:66:UNK:HA	2.50	0.40
1:L3:189:UNK:O	1:L3:194:UNK:CA	2.69	0.40
1:L4:165:UNK:O	1:L4:168:UNK:N	2.55	0.40
1:L5:34:UNK:O	1:L5:37:UNK:CB	2.69	0.40
1:L5:418:UNK:O	1:L5:421:UNK:CB	2.69	0.40
1:L6:111:UNK:O	1:L6:114:UNK:CB	2.70	0.40
2:M2:225:UNK:O	2:M2:228:UNK:C	2.69	0.40
2:M2:367:UNK:O	2:M2:368:UNK:CB	2.69	0.40
2:M4:159:UNK:O	2:M4:160:UNK:C	2.64	0.40
2:M4:87:UNK:CB	2:M4:88:UNK:CA	2.95	0.40
2:M5:382:UNK:O	2:M5:385:UNK:CB	2.69	0.40
2:M6:115:UNK:O	2:M6:116:UNK:CB	2.69	0.40
2:M6:189:UNK:C	2:M6:191:UNK:O	2.69	0.40
1:L1:191:UNK:O	1:L1:192:UNK:CB	2.69	0.40
1:L2:184:UNK:O	1:L2:188:UNK:N	2.54	0.40
1:L2:189:UNK:O	1:L2:194:UNK:CA	2.69	0.40
1:L2:34:UNK:O	1:L2:37:UNK:CB	2.69	0.40
1:L3:167:UNK:O	1:L3:170:UNK:CB	2.69	0.40
1:L3:246:UNK:O	1:L3:250:UNK:C	2.66	0.40
1:L3:275:UNK:O	1:L3:278:UNK:N	2.54	0.40
1:L4:111:UNK:O	1:L4:114:UNK:CB	2.70	0.40
1:L4:161:UNK:CB	1:L4:163:UNK:N	2.84	0.40
1:L4:185:UNK:O	1:L4:188:UNK:CB	2.70	0.40
1:L4:298:UNK:O	1:L4:301:UNK:CB	2.69	0.40
1:L4:65:UNK:CB	1:L4:67:UNK:CA	2.94	0.40
1:L5:111:UNK:O	1:L5:114:UNK:CB	2.70	0.40
1:L5:161:UNK:CB	1:L5:163:UNK:N	2.84	0.40
1:L5:165:UNK:O	1:L5:168:UNK:N	2.55	0.40
2:M2:213:UNK:O	2:M2:214:UNK:C	2.70	0.40
2:M3:111:UNK:O	2:M3:112:UNK:CB	2.68	0.40
2:M3:345:UNK:O	2:M3:346:UNK:CB	2.69	0.40
2:M4:106:UNK:O	2:M4:109:UNK:CB	2.70	0.40
2:M4:186:UNK:O	2:M4:253:UNK:CB	2.69	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:M4:309:UNK:O	2:M4:310:UNK:C	2.70	0.40
2:M5:186:UNK:O	2:M5:253:UNK:CB	2.69	0.40
2:M5:251:UNK:O	2:M5:252:UNK:CB	2.69	0.40
2:M6:108:UNK:O	2:M6:111:UNK:CB	2.69	0.40
2:M6:168:UNK:HA	2:M6:174:UNK:HA	2.02	0.40
2:M6:20:UNK:O	2:M6:21:UNK:CB	2.70	0.40
1:L1:298:UNK:O	1:L1:299:UNK:C	2.70	0.40
1:L1:298:UNK:O	1:L1:301:UNK:CB	2.69	0.40
1:L2:296:UNK:O	1:L2:356:UNK:CB	2.70	0.40
1:L2:67:UNK:O	1:L2:68:UNK:CB	2.69	0.40
1:L3:111:UNK:O	1:L3:114:UNK:CB	2.70	0.40
1:L3:185:UNK:O	1:L3:188:UNK:CB	2.70	0.40
1:L4:182:UNK:O	1:L4:183:UNK:C	2.69	0.40
1:L4:297:UNK:HA	1:L4:355:UNK:CA	2.48	0.40
1:L4:386:UNK:O	1:L4:387:UNK:CB	2.69	0.40
1:L5:182:UNK:O	1:L5:183:UNK:C	2.69	0.40
1:L5:191:UNK:O	1:L5:192:UNK:CB	2.69	0.40
1:L6:154:UNK:O	1:L6:155:UNK:C	2.70	0.40
2:M1:106:UNK:O	2:M1:109:UNK:CB	2.70	0.40
2:M1:213:UNK:O	2:M1:214:UNK:C	2.70	0.40
2:M1:370:UNK:O	2:M1:371:UNK:C	2.70	0.40
2:M2:175:UNK:C	2:M2:177:UNK:HA	2.47	0.40
2:M2:189:UNK:C	2:M2:191:UNK:O	2.69	0.40
2:M2:20:UNK:O	2:M2:21:UNK:CB	2.70	0.40
2:M3:172:UNK:O	2:M3:173:UNK:CB	2.69	0.40
2:M3:66:UNK:O	2:M3:67:UNK:C	2.70	0.40
2:M4:172:UNK:O	2:M4:173:UNK:CB	2.69	0.40
2:M4:174:UNK:O	2:M4:175:UNK:C	2.69	0.40
2:M5:167:UNK:O	2:M5:171:UNK:CB	2.70	0.40
2:M5:20:UNK:O	2:M5:21:UNK:CB	2.70	0.40
2:M6:106:UNK:O	2:M6:109:UNK:CB	2.70	0.40
2:M6:167:UNK:O	2:M6:171:UNK:CB	2.69	0.40
2:M6:172:UNK:O	2:M6:173:UNK:CB	2.69	0.40
2:M6:382:UNK:O	2:M6:385:UNK:CB	2.69	0.40
2:M6:57:UNK:O	2:M6:58:UNK:CB	2.69	0.40
7:U1:48:UNK:O	7:U1:52:UNK:N	2.55	0.40
7:U5:48:UNK:O	7:U5:52:UNK:N	2.55	0.40
14:BE:1634:UNK:O	14:BE:1637:UNK:C	2.70	0.40
1:L1:111:UNK:O	1:L1:114:UNK:CB	2.70	0.40
1:L1:154:UNK:O	1:L1:155:UNK:C	2.70	0.40
1:L1:185:UNK:O	1:L1:188:UNK:CB	2.70	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:L2:114:UNK:O	1:L2:115:UNK:C	2.69	0.40
1:L2:136:UNK:O	1:L2:137:UNK:C	2.70	0.40
1:L2:224:UNK:O	1:L2:225:UNK:CB	2.70	0.40
1:L3:34:UNK:O	1:L3:37:UNK:CB	2.69	0.40
1:L5:182:UNK:O	1:L5:185:UNK:N	2.54	0.40
1:L5:192:UNK:O	1:L5:193:UNK:C	2.69	0.40
1:L6:185:UNK:O	1:L6:188:UNK:CB	2.70	0.40
1:L6:67:UNK:O	1:L6:68:UNK:CB	2.69	0.40
2:M1:243:UNK:O	2:M1:244:UNK:C	2.70	0.40
2:M1:60:UNK:C	2:M1:62:UNK:O	2.69	0.40
2:M2:146:UNK:O	2:M2:147:UNK:C	2.70	0.40
2:M2:160:UNK:O	2:M2:161:UNK:C	2.70	0.40
2:M2:29:UNK:O	2:M2:30:UNK:C	2.68	0.40
2:M2:66:UNK:O	2:M2:67:UNK:C	2.70	0.40
2:M3:115:UNK:O	2:M3:116:UNK:CB	2.69	0.40
2:M3:157:UNK:O	2:M3:158:UNK:C	2.70	0.40
2:M3:392:UNK:O	2:M3:393:UNK:C	2.70	0.40
2:M4:133:UNK:O	2:M4:224:UNK:CB	2.69	0.40
2:M5:106:UNK:O	2:M5:109:UNK:CB	2.70	0.40
2:M5:189:UNK:C	2:M5:191:UNK:O	2.69	0.40
2:M5:66:UNK:O	2:M5:67:UNK:C	2.70	0.40
2:M6:225:UNK:O	2:M6:228:UNK:C	2.69	0.40
2:M6:251:UNK:O	2:M6:252:UNK:CB	2.69	0.40
2:M6:66:UNK:O	2:M6:67:UNK:C	2.70	0.40
7:U3:48:UNK:O	7:U3:52:UNK:N	2.55	0.40
7:U6:36:UNK:O	7:U6:42:UNK:CB	2.69	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [\(i\)](#)

5.3.1 Protein backbone [\(i\)](#)

There are no protein backbone outliers to report in this entry.

5.3.2 Protein sidechains [\(i\)](#)

There are no protein residues with a non-rotameric sidechain to report in this entry.

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
14	BB	9
14	BA	9
14	BF	9
14	BE	9
14	BD	9
14	BC	9
1	L2	4
1	L3	4
1	L1	4
1	L6	4
1	L4	4
1	L5	4
2	M4	1
2	M5	1
2	M2	1
2	M3	1

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Mol	Chain	Number of breaks
2	M1	1
2	M6	1

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	BA	563:UNK	C	571:UNK	N	83.40
1	BB	563:UNK	C	571:UNK	N	83.40
1	BC	563:UNK	C	571:UNK	N	83.40
1	BD	563:UNK	C	571:UNK	N	83.40
1	BE	563:UNK	C	571:UNK	N	83.40
1	BF	563:UNK	C	571:UNK	N	83.40
1	BA	1649:UNK	C	1651:UNK	N	70.87
1	BB	1649:UNK	C	1651:UNK	N	70.87
1	BC	1649:UNK	C	1651:UNK	N	70.87
1	BD	1649:UNK	C	1651:UNK	N	70.87
1	BE	1649:UNK	C	1651:UNK	N	70.87
1	BF	1649:UNK	C	1651:UNK	N	70.87
1	BA	1668:UNK	C	1669:UNK	N	66.49
1	BB	1668:UNK	C	1669:UNK	N	66.49
1	BC	1668:UNK	C	1669:UNK	N	66.49
1	BD	1668:UNK	C	1669:UNK	N	66.49
1	BE	1668:UNK	C	1669:UNK	N	66.49
1	BF	1668:UNK	C	1669:UNK	N	66.49
1	BA	587:UNK	C	1588:UNK	N	45.91
1	BB	587:UNK	C	1588:UNK	N	45.91
1	BC	587:UNK	C	1588:UNK	N	45.91
1	BD	587:UNK	C	1588:UNK	N	45.91
1	BE	587:UNK	C	1588:UNK	N	45.91
1	BF	587:UNK	C	1588:UNK	N	45.91
1	BA	547:UNK	C	548:UNK	N	31.70
1	BB	547:UNK	C	548:UNK	N	31.70
1	BC	547:UNK	C	548:UNK	N	31.70
1	BD	547:UNK	C	548:UNK	N	31.70
1	BE	547:UNK	C	548:UNK	N	31.70
1	BF	547:UNK	C	548:UNK	N	31.70
1	M1	415:UNK	C	430:UNK	N	22.06
1	M2	415:UNK	C	430:UNK	N	22.06
1	M3	415:UNK	C	430:UNK	N	22.06
1	M4	415:UNK	C	430:UNK	N	22.06
1	M5	415:UNK	C	430:UNK	N	22.06
1	M6	415:UNK	C	430:UNK	N	22.06
1	L4	400:UNK	C	408:UNK	N	14.38

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	L1	400:UNK	C	408:UNK	N	14.37
1	L2	400:UNK	C	408:UNK	N	14.37
1	L3	400:UNK	C	408:UNK	N	14.37
1	L5	400:UNK	C	408:UNK	N	14.37
1	L6	400:UNK	C	408:UNK	N	14.37
1	BA	1626:UNK	C	1632:UNK	N	14.07
1	BB	1626:UNK	C	1632:UNK	N	14.07
1	BC	1626:UNK	C	1632:UNK	N	14.07
1	BD	1626:UNK	C	1632:UNK	N	14.07
1	BE	1626:UNK	C	1632:UNK	N	14.07
1	BF	1626:UNK	C	1632:UNK	N	14.07
1	L1	22:UNK	C	28:UNK	N	11.17
1	L2	22:UNK	C	28:UNK	N	11.17
1	L3	22:UNK	C	28:UNK	N	11.17
1	L4	22:UNK	C	28:UNK	N	11.17
1	L5	22:UNK	C	28:UNK	N	11.17
1	L6	22:UNK	C	28:UNK	N	11.17
1	L1	358:UNK	C	363:UNK	N	8.92
1	L2	358:UNK	C	363:UNK	N	8.92
1	L3	358:UNK	C	363:UNK	N	8.92
1	L4	358:UNK	C	363:UNK	N	8.92
1	L5	358:UNK	C	363:UNK	N	8.92
1	L6	358:UNK	C	363:UNK	N	8.92
1	BA	1659:UNK	C	1660:UNK	N	7.79
1	BB	1659:UNK	C	1660:UNK	N	7.79
1	BC	1659:UNK	C	1660:UNK	N	7.79
1	BD	1659:UNK	C	1660:UNK	N	7.79
1	BE	1659:UNK	C	1660:UNK	N	7.79
1	BF	1659:UNK	C	1660:UNK	N	7.79
1	BA	1639:UNK	C	1642:UNK	N	5.24
1	BB	1639:UNK	C	1642:UNK	N	5.24
1	BC	1639:UNK	C	1642:UNK	N	5.24
1	BD	1639:UNK	C	1642:UNK	N	5.24
1	BE	1639:UNK	C	1642:UNK	N	5.24
1	BF	1639:UNK	C	1642:UNK	N	5.24
1	L1	486:UNK	C	487:UNK	N	3.84
1	L2	486:UNK	C	487:UNK	N	3.84
1	L3	486:UNK	C	487:UNK	N	3.84
1	L4	486:UNK	C	487:UNK	N	3.84
1	L5	486:UNK	C	487:UNK	N	3.84
1	L6	486:UNK	C	487:UNK	N	3.84
1	BA	533:UNK	C	534:UNK	N	0.91

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
1	BB	533:UNK	C	534:UNK	N	0.91
1	BC	533:UNK	C	534:UNK	N	0.91
1	BD	533:UNK	C	534:UNK	N	0.91
1	BE	533:UNK	C	534:UNK	N	0.91
1	BF	533:UNK	C	534:UNK	N	0.91

6 Fit of model and data

6.1 Protein, DNA and RNA chains

Unable to reproduce the depositors R factor - this section is therefore empty.

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

Unable to reproduce the depositors R factor - this section is therefore empty.

6.3 Carbohydrates

Unable to reproduce the depositors R factor - this section is therefore empty.

6.4 Ligands

Unable to reproduce the depositors R factor - this section is therefore empty.

6.5 Other polymers

Unable to reproduce the depositors R factor - this section is therefore empty.