



Full wwPDB EM Validation Report ⓘ

Apr 8, 2026 – 07:26 PM EDT

PDB ID : 8CKB / pdb_00008ckb
EMDB ID : EMD-14100
Title : Asymmetric reconstruction of the crAss001 virion
Authors : Bayfield, O.W.; Shkoporov, A.N.; Yutin, N.; Khokhlova, E.V.; Smith, J.L.R.;
Hawkins, D.E.D.P.; Koonin, E.V.; Hill, C.; Antson, A.A.
Deposited on : 2023-02-16
Resolution : 4.39 Å(reported)

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

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

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMValidationReportHelp>
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

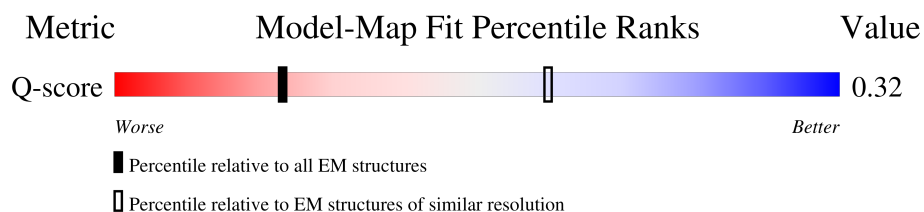
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 4.39 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	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Q-score	25397	3132 (3.91 - 4.90)

MolProbity failed to run properly - the sequence quality summary graphics cannot be shown.

2 Entry composition

There are 18 unique types of molecules in this entry. The entry contains 3871365 atoms, of which 0 are hydrogens and 0 are deuteriums.

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

- Molecule 1 is a protein called Auxiliary capsid protein gp36.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	A001	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A002	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A003	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A004	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A005	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A006	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A007	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A008	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A009	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A010	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A011	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A012	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A013	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A014	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A015	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A016	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A017	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A018	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A019	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A020	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A021	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A022	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A023	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A024	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A025	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A026	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A027	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A028	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A029	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A030	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A031	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A032	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A033	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A034	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A035	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A036	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A037	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A038	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A039	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A040	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A041	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A042	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A043	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A044	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A045	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A046	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A047	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A048	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A049	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A050	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A051	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A052	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A053	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A054	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A055	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A056	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A057	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A058	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A059	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A060	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A061	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A062	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A063	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A064	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A065	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A066	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A067	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A068	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A069	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A070	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A071	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A072	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A073	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A074	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A075	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A076	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A077	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A078	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A079	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A080	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A081	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A082	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A083	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A084	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A085	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A086	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A087	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A088	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A089	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A090	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A091	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A092	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A093	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A094	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A095	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A096	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A097	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A098	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A099	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A100	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A101	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A102	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A103	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A104	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A105	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A106	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A107	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A108	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A109	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A110	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A111	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A112	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A113	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A114	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A115	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A116	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A117	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A118	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A119	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A120	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A121	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A122	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A123	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A124	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A125	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A126	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A127	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A128	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A129	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A130	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A131	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A132	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A133	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A134	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A135	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A136	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A137	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A138	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A139	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A140	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A141	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A142	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A143	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A144	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A145	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A146	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A147	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A148	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A149	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A150	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A151	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A152	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A153	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A154	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A155	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A156	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A157	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A158	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A159	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A160	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A161	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A162	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A163	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A164	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A165	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A166	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A167	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A168	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A169	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A170	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A171	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A172	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A173	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A174	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A175	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A176	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A177	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A178	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A179	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A180	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A181	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A182	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A183	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A184	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A185	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A186	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A187	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A188	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A189	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A190	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A191	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A192	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A193	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A194	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A195	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A196	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A197	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A198	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A199	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A200	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A201	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A202	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A203	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A204	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A205	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A206	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A207	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A208	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A209	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A210	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A211	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A212	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A213	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A214	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A215	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A216	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A217	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A218	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A219	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A220	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A221	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A222	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A223	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A224	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A225	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A226	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A227	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A228	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A229	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A230	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A231	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A232	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A233	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A234	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A235	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A236	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A237	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A238	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A239	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A240	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A241	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A242	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A243	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A244	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A245	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A246	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A247	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A248	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A249	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A250	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A251	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A252	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A253	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A254	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A255	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A256	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A257	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A258	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A259	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A260	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A261	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A262	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A263	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A264	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A265	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A266	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A267	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A268	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A269	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A270	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A271	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A272	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A273	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A274	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A275	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A276	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A277	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A278	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A279	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A280	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A281	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A282	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A283	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A284	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A285	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A286	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A287	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A288	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A289	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A290	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A291	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A292	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A293	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A294	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A295	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A296	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A297	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A298	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A299	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A300	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A301	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A302	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A303	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A304	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A305	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A306	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A307	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A308	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A309	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A310	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A311	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A312	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A313	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A314	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A315	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A316	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A317	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A318	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A319	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A320	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A321	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A322	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A323	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A324	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A325	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A326	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A327	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A328	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A329	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A330	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A331	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A332	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A333	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A334	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A335	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A336	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A337	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A338	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A339	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A340	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A341	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A342	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A343	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A344	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A345	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A346	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A347	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A348	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A349	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A350	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A351	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A352	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A353	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A354	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A355	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A356	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A357	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A358	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A359	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A360	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A361	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A362	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A363	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A364	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A365	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A366	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A367	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A368	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A369	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A370	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A371	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A372	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A373	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A374	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A375	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A376	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A377	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A378	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A379	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A380	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A381	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A382	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A383	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A384	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A385	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A386	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A387	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A388	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A389	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A390	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A391	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A392	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A393	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A394	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A395	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A396	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A397	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A398	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A399	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A400	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A401	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A402	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A403	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A404	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A405	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A406	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A407	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A408	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A409	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A410	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A411	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A412	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A413	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A414	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A415	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A416	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A417	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A418	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A419	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A420	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A421	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A422	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A423	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A424	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A425	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A426	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A427	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A428	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A429	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A430	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A431	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A432	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A433	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A434	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A435	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A436	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A437	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A438	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A439	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A440	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A441	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A442	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A443	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A444	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A445	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A446	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A447	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A448	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A449	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A450	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A451	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A452	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A453	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A454	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A455	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A456	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A457	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A458	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A459	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A460	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A461	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A462	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A463	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A464	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A465	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A466	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A467	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A468	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A469	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A470	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A471	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A472	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A473	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A474	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A475	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A476	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A477	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A478	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A479	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A480	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A481	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A482	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A483	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A484	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A485	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A486	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A487	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A488	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A489	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A490	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A491	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A492	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A493	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A494	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A495	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A496	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A497	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A498	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A499	17	Total	C	N	O	S	0	0
			135	88	24	22	1		
1	A500	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A501	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A502	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A503	40	Total	C	N	O	S	0	0
			303	190	53	58	2		
1	A504	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A505	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A506	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A507	17	Total	C	N	O	S	0	0
			135	88	24	22	1		
1	A508	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A509	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A510	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A512	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A513	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A514	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A515	41	Total	C	N	O	S	0	0
			310	195	54	59	2		
1	A516	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A517	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A518	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A519	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A520	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A521	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A522	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	A523	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A524	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A525	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A526	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A527	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A528	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A529	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A530	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A531	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A532	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A533	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A534	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		
1	A535	333	Total	C	N	O	S	0	0
			2542	1624	410	498	10		

- Molecule 2 is a protein called Head fiber dimer protein gp29.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	A511	24	Total	C	N	O	S	0	0
			175	107	30	37	1		

- Molecule 3 is a protein called Head fiber dimer protein gp29.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	B001	58	Total	C	N	O	S	0	0
			461	292	78	90	1		
3	B002	58	Total	C	N	O	S	0	0
			461	292	78	90	1		
3	B003	58	Total	C	N	O	S	0	0
			461	292	78	90	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	B004	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B005	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B006	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B007	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B008	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B009	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B010	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B011	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B012	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B013	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B014	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B015	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B016	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B017	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B018	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B019	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B020	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B021	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B022	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B023	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B024	58	Total 461	C 292	N 78	O 90	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	B025	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B026	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B027	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B028	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B029	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B030	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B031	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B032	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B033	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B034	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B035	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B036	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B037	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B038	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B039	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B040	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B041	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B042	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B043	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B044	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B045	58	Total 461	C 292	N 78	O 90	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	B046	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B047	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B048	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B049	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B050	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B051	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B052	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B053	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B054	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B055	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B056	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B057	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B058	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B059	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B060	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B061	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B062	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B063	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B064	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B065	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B066	58	Total 461	C 292	N 78	O 90	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	B067	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B068	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B069	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B070	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B071	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B072	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B073	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B074	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B075	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B076	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B077	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B078	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B079	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B080	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B081	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B082	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B083	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B084	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B085	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B086	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B087	58	Total 461	C 292	N 78	O 90	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	B088	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B089	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B090	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B091	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B092	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B093	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B094	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B095	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B096	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B097	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B098	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B099	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B100	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B101	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B102	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B103	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B104	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B105	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B106	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B107	58	Total 461	C 292	N 78	O 90	S 1	0	0
3	B108	58	Total 461	C 292	N 78	O 90	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	B109	58	Total	C	N	O	S	0	0
			461	292	78	90	1		
3	B110	58	Total	C	N	O	S	0	0
			461	292	78	90	1		

- Molecule 4 is a protein called Head fiber trimer protein gp21.

Mol	Chain	Residues	Atoms					AltConf	Trace
4	C001	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C002	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C003	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C004	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C005	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C006	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C007	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C008	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C009	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C010	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C011	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C012	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C013	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C014	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C015	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C016	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C017	38	Total	C	N	O	S	0	0
			310	201	51	56	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	C018	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C019	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C020	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C021	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C022	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C023	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C024	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C025	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C026	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C027	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C028	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C029	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C030	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C031	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C032	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C033	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C034	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C035	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C036	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C037	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C038	38	Total 310	C 201	N 51	O 56	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	C039	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C040	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C041	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C042	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C043	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C044	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C045	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C046	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C047	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C048	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C049	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C050	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C051	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C052	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C053	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C054	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C055	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C056	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C057	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C058	38	Total 310	C 201	N 51	O 56	S 2	0	0
4	C059	38	Total 310	C 201	N 51	O 56	S 2	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
4	C060	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C061	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C062	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C063	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C064	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C065	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C066	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C067	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C068	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C069	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C070	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C071	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C072	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C073	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C074	38	Total	C	N	O	S	0	0
			310	201	51	56	2		
4	C075	38	Total	C	N	O	S	0	0
			310	201	51	56	2		

- Molecule 5 is a protein called Muzzle bound helix.

Mol	Chain	Residues	Atoms				AltConf	Trace
5	D001	14	Total	C	N	O	0	0
			70	42	14	14		
5	D002	14	Total	C	N	O	0	0
			70	42	14	14		
5	D003	14	Total	C	N	O	0	0
			70	42	14	14		

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Mol	Chain	Residues	Atoms				AltConf	Trace
5	D004	14	Total	C	N	O	0	0
			70	42	14	14		
5	D005	14	Total	C	N	O	0	0
			70	42	14	14		
5	D006	14	Total	C	N	O	0	0
			70	42	14	14		

- Molecule 6 is a protein called Major capsid protein gp32.

Mol	Chain	Residues	Atoms					AltConf	Trace
6	E001	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E002	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E003	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E004	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E005	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E006	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E007	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E008	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E009	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E010	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E011	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E012	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E013	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E014	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E015	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E016	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E017	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E018	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E019	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E020	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E021	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E022	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E023	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E024	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E025	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E026	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E027	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E028	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E029	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E030	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E031	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E032	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E033	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E034	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E035	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E036	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E037	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E038	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E039	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E040	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E041	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E042	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E043	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E044	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E045	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E046	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E047	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E048	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E049	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E050	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E051	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E052	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E053	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E054	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E055	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E056	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E057	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E058	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E059	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E060	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E061	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E062	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E063	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E064	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E065	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E066	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E067	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E068	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E069	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E070	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E071	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E072	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E073	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E074	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E075	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E076	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E077	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E078	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E079	503	Total 4012	C 2552	N 695	O 745	S 20	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E080	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E081	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E082	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E083	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E084	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E085	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E086	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E087	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E088	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E089	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E090	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E091	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E092	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E093	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E094	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E095	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E096	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E097	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E098	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E099	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E100	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E101	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E102	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E103	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E104	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E105	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E106	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E107	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E108	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E109	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E110	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E111	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E112	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E113	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E114	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E115	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E116	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E117	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E118	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E119	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E120	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E121	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E122	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E123	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E124	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E125	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E126	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E127	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E128	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E129	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E130	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E131	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E132	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E133	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E134	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E135	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E136	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E137	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E138	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E139	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E140	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E141	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E142	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E143	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E144	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E145	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E146	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E147	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E148	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E149	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E150	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E151	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E152	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E153	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E154	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E155	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E156	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E157	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E158	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E159	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E160	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E161	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E162	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E163	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E164	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E165	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E166	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E167	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E168	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E169	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E170	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E171	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E172	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E173	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E174	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E175	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E176	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E177	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E178	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E179	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E180	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E181	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E182	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E183	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E184	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E185	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E186	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E187	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E188	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E189	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E190	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E191	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E192	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E193	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E194	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E195	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E196	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E197	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E198	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E199	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E200	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E201	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E202	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E203	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E204	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E205	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E206	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E207	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E208	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E209	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E210	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E211	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E212	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E213	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E214	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E215	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E216	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E217	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E218	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E219	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E220	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E221	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E222	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E223	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E224	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E225	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E226	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E227	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E228	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E229	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E230	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E231	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E232	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E233	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E234	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E235	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E236	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E237	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E238	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E239	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E240	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E241	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E242	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E243	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E244	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E245	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E246	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E247	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E248	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E249	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E250	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E251	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E252	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E253	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E254	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E255	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E256	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E257	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E258	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E259	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E260	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E261	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E262	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E263	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E264	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E265	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E266	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E267	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E268	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E269	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E270	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E271	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E272	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E273	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E274	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E275	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E276	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E277	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E278	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E279	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E280	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E281	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E282	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E283	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E284	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E285	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E286	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E287	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E288	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E289	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E290	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E291	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E292	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E293	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E294	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E295	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E296	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E297	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E298	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E299	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E300	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E301	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E302	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E303	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E304	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E305	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E306	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E307	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E308	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E309	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E310	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E311	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E312	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E313	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E314	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E315	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E316	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E317	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E318	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E319	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E320	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E321	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E322	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E323	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E324	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E325	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E326	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E327	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E328	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E329	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E330	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E331	503	Total 4012	C 2552	N 695	O 745	S 20	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E332	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E333	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E334	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E335	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E336	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E337	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E338	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E339	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E340	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E341	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E342	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E343	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E344	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E345	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E346	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E347	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E348	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E349	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E350	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E351	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E352	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E353	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E354	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E355	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E356	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E357	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E358	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E359	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E360	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E361	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E362	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E363	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E364	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E365	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E366	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E367	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E368	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E369	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E370	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E371	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E372	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E373	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E374	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E375	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E376	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E377	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E378	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E379	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E380	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E381	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E382	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E383	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E384	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E385	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E386	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E387	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E388	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E389	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E390	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E391	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E392	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E393	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E394	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E395	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E396	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E397	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E398	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E399	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E400	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E401	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E402	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E403	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E404	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E405	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E406	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E407	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E408	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E409	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E410	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E411	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E412	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E413	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E414	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E415	472	Total 3776	C 2412	N 650	O 695	S 19	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E416	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E417	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E418	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E419	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E420	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E421	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E422	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E423	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E424	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E425	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E426	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E427	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E428	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E429	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E430	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E431	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E432	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E433	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E434	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E435	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E436	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E437	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E438	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E439	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E440	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E441	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E442	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E443	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E444	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E445	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E446	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E447	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E448	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E449	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E450	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E451	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E452	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E453	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E454	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E455	472	Total 3776	C 2412	N 650	O 695	S 19	0	0
6	E456	503	Total 4012	C 2552	N 695	O 745	S 20	0	0
6	E457	503	Total 4012	C 2552	N 695	O 745	S 20	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E458	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E459	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E460	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E461	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E462	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E463	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E464	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E465	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E466	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E467	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E468	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E469	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E470	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E471	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E472	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E473	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E474	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E475	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E476	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E477	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E478	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E479	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E480	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E481	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E482	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E483	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E484	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E485	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E486	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E487	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E488	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E489	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E490	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E491	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E492	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E493	456	Total	C	N	O	S	0	0
			3649	2329	631	671	18		
6	E494	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E495	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E496	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E497	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E498	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E499	456	Total	C	N	O	S	0	0
			3649	2329	631	671	18		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E500	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E501	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E502	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E503	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E504	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E505	451	Total	C	N	O	S	0	0
			3612	2307	623	664	18		
6	E506	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E507	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E508	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E509	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E510	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E511	456	Total	C	N	O	S	0	0
			3649	2329	631	671	18		
6	E512	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E513	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E514	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E515	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E516	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E517	456	Total	C	N	O	S	0	0
			3649	2329	631	671	18		
6	E518	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E519	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E520	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

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Mol	Chain	Residues	Atoms					AltConf	Trace
6	E521	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E522	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E523	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E524	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E525	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E526	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E527	472	Total	C	N	O	S	0	0
			3776	2412	650	695	19		
6	E528	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E529	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E530	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E531	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E532	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E533	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E534	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		
6	E535	503	Total	C	N	O	S	0	0
			4012	2552	695	745	20		

- Molecule 7 is a protein called Muzzle protein gp44.

Mol	Chain	Residues	Atoms					AltConf	Trace
7	F001	1354	Total	C	N	O	S	0	0
			10925	6948	1815	2137	25		
7	F002	1354	Total	C	N	O	S	0	0
			10925	6948	1815	2137	25		
7	F003	1354	Total	C	N	O	S	0	0
			10925	6948	1815	2137	25		
7	F004	1354	Total	C	N	O	S	0	0
			10925	6948	1815	2137	25		

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Mol	Chain	Residues	Atoms					AltConf	Trace
7	F005	1354	Total	C	N	O	S	0	0
			10925	6948	1815	2137	25		
7	F006	1354	Total	C	N	O	S	0	0
			10925	6948	1815	2137	25		

- Molecule 8 is a protein called Cargo protein 1 gp45.

Mol	Chain	Residues	Atoms					AltConf	Trace
8	G001	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G002	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G003	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G004	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G005	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G006	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G007	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G008	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G009	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G010	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G011	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G012	32	Total	C	N	O	S	0	0
			251	157	44	49	1		
8	G013	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G014	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G015	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G016	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G017	126	Total	C	N	O	S	0	0
			987	605	179	201	2		

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Mol	Chain	Residues	Atoms					AltConf	Trace
8	G018	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G019	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G020	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G021	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G022	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G023	126	Total	C	N	O	S	0	0
			987	605	179	201	2		
8	G024	126	Total	C	N	O	S	0	0
			987	605	179	201	2		

- Molecule 9 is a protein called Portal protein gp20.

Mol	Chain	Residues	Atoms					AltConf	Trace
9	H001	688	Total	C	N	O	S	0	0
			5617	3558	957	1077	25		
9	H002	678	Total	C	N	O	S	0	0
			5545	3519	941	1062	23		
9	H003	684	Total	C	N	O	S	0	0
			5597	3550	951	1072	24		
9	H004	705	Total	C	N	O	S	0	0
			5759	3657	976	1102	24		
9	H005	660	Total	C	N	O	S	0	0
			5400	3426	920	1031	23		
9	H006	684	Total	C	N	O	S	0	0
			5593	3543	952	1074	24		
9	H007	680	Total	C	N	O	S	0	0
			5569	3531	948	1066	24		
9	H008	689	Total	C	N	O	S	0	0
			5618	3558	958	1078	24		
9	H009	694	Total	C	N	O	S	0	0
			5671	3601	961	1085	24		
9	H010	698	Total	C	N	O	S	0	0
			5699	3613	967	1094	25		
9	H011	669	Total	C	N	O	S	0	0
			5478	3483	929	1043	23		
9	H012	681	Total	C	N	O	S	0	0
			5563	3529	945	1066	23		

- Molecule 10 is a protein called Portal vertex capsid protein gp57.

Mol	Chain	Residues	Atoms					AltConf	Trace
10	I001	82	Total	C	N	O	S	0	0
			619	392	100	118	9		
10	I002	73	Total	C	N	O	S	0	0
			563	359	91	105	8		
10	I003	82	Total	C	N	O	S	0	0
			619	392	100	118	9		
10	I004	73	Total	C	N	O	S	0	0
			563	359	91	105	8		
10	I005	82	Total	C	N	O	S	0	0
			619	392	100	118	9		
10	I006	73	Total	C	N	O	S	0	0
			563	359	91	105	8		
10	I007	82	Total	C	N	O	S	0	0
			619	392	100	118	9		
10	I008	73	Total	C	N	O	S	0	0
			563	359	91	105	8		
10	I009	82	Total	C	N	O	S	0	0
			619	392	100	118	9		
10	I010	73	Total	C	N	O	S	0	0
			563	359	91	105	8		

- Molecule 11 is a protein called Ring protein 1 gp43.

Mol	Chain	Residues	Atoms					AltConf	Trace
11	J001	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J002	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J003	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J004	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J005	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J006	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J007	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J008	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J009	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
11	J010	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J011	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		
11	J012	226	Total	C	N	O	S	0	0
			1841	1188	308	336	9		

- Molecule 12 is a protein called Ring protein 2 gp40.

Mol	Chain	Residues	Atoms					AltConf	Trace
12	K001	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K002	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K003	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K004	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K005	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K006	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K007	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K008	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K009	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K010	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K011	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		
12	K012	225	Total	C	N	O	S	0	0
			1841	1180	292	357	12		

- Molecule 13 is a protein called Ring protein 3 gp35.

Mol	Chain	Residues	Atoms					AltConf	Trace
13	L001	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L002	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
13	L003	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L004	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L005	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L006	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L007	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L008	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L009	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L010	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L011	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		
13	L012	226	Total	C	N	O	S	0	0
			1805	1151	293	357	4		

- Molecule 14 is a protein called Ring protein 4/5 gp34.

Mol	Chain	Residues	Atoms					AltConf	Trace
14	M001	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M002	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M003	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M004	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M005	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M006	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M007	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M008	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M009	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		

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Mol	Chain	Residues	Atoms					AltConf	Trace
14	M010	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M011	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M012	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M013	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M014	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M015	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M016	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M017	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M018	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M019	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M020	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M021	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M022	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M023	238	Total 1878	C 1185	N 312	O 377	S 4	0	0
14	M024	238	Total 1878	C 1185	N 312	O 377	S 4	0	0

- Molecule 15 is a protein called Tail fiber protein gp22.

Mol	Chain	Residues	Atoms					AltConf	Trace
15	O001	19	Total 170	C 112	N 27	O 30	S 1	0	0
15	O002	19	Total 170	C 112	N 27	O 30	S 1	0	0
15	O003	19	Total 170	C 112	N 27	O 30	S 1	0	0
15	O004	25	Total 224	C 145	N 37	O 41	S 1	0	0

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Mol	Chain	Residues	Atoms					AltConf	Trace
15	O005	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O006	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O007	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O008	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O009	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O010	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O011	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O012	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O013	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O014	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O015	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O016	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O017	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O018	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O019	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O020	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O021	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O022	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O023	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O024	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O025	19	Total	C	N	O	S	0	0
			170	112	27	30	1		

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Mol	Chain	Residues	Atoms					AltConf	Trace
15	O026	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O027	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O028	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O029	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O030	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O031	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O032	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O033	25	Total	C	N	O	S	0	0
			224	145	37	41	1		
15	O034	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O035	19	Total	C	N	O	S	0	0
			170	112	27	30	1		
15	O036	25	Total	C	N	O	S	0	0
			224	145	37	41	1		

- Molecule 16 is a protein called Tail hub protein A gp38.

Mol	Chain	Residues	Atoms					AltConf	Trace
16	P001	174	Total	C	N	O	S	0	0
			1419	913	225	271	10		
16	P002	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P003	177	Total	C	N	O	S	0	0
			1441	924	230	276	11		
16	P004	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P005	174	Total	C	N	O	S	0	0
			1419	913	225	271	10		
16	P006	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P007	174	Total	C	N	O	S	0	0
			1419	913	225	271	10		
16	P008	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		

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Mol	Chain	Residues	Atoms					AltConf	Trace
16	P009	177	Total	C	N	O	S	0	0
			1441	924	230	276	11		
16	P010	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P011	174	Total	C	N	O	S	0	0
			1419	913	225	271	10		
16	P012	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P013	177	Total	C	N	O	S	0	0
			1441	924	230	276	11		
16	P014	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P015	177	Total	C	N	O	S	0	0
			1441	924	230	276	11		
16	P016	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P017	177	Total	C	N	O	S	0	0
			1441	924	230	276	11		
16	P018	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P019	174	Total	C	N	O	S	0	0
			1419	913	225	271	10		
16	P020	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P021	177	Total	C	N	O	S	0	0
			1441	924	230	276	11		
16	P022	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		
16	P023	174	Total	C	N	O	S	0	0
			1419	913	225	271	10		
16	P024	188	Total	C	N	O	S	0	0
			1516	968	243	292	13		

- Molecule 17 is a protein called Tail hub protein B gp39.

Mol	Chain	Residues	Atoms					AltConf	Trace
17	Q001	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q002	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q003	107	Total	C	N	O	S	0	0
			878	560	134	175	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
17	Q004	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q005	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q006	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q007	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q008	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q009	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q010	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q011	107	Total	C	N	O	S	0	0
			878	560	134	175	9		
17	Q012	107	Total	C	N	O	S	0	0
			878	560	134	175	9		

- Molecule 18 is MAGNESIUM ION (CCD ID: MG) (formula: Mg).

Mol	Chain	Residues	Atoms		AltConf
18	E009	1	Total	Mg	0
			1	1	
18	E021	1	Total	Mg	0
			1	1	
18	E030	1	Total	Mg	0
			1	1	
18	E044	1	Total	Mg	0
			1	1	
18	E053	1	Total	Mg	0
			1	1	
18	E062	1	Total	Mg	0
			1	1	
18	E071	1	Total	Mg	0
			1	1	
18	E080	1	Total	Mg	0
			1	1	
18	E088	1	Total	Mg	0
			1	1	
18	E097	1	Total	Mg	0
			1	1	

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Mol	Chain	Residues	Atoms		AltConf
18	E106	1	Total 1	Mg 1	0
18	E120	1	Total 1	Mg 1	0
18	E129	1	Total 1	Mg 1	0
18	E138	1	Total 1	Mg 1	0
18	E142	1	Total 1	Mg 1	0
18	E151	1	Total 1	Mg 1	0
18	E160	1	Total 1	Mg 1	0
18	E173	1	Total 1	Mg 1	0
18	E182	1	Total 1	Mg 1	0
18	E191	1	Total 1	Mg 1	0
18	E195	1	Total 1	Mg 1	0
18	E204	1	Total 1	Mg 1	0
18	E213	1	Total 1	Mg 1	0
18	E221	1	Total 1	Mg 1	0
18	E230	1	Total 1	Mg 1	0
18	E236	1	Total 1	Mg 1	0
18	E245	1	Total 1	Mg 1	0
18	E254	1	Total 1	Mg 1	0
18	E269	1	Total 1	Mg 1	0
18	E281	1	Total 1	Mg 1	0
18	E292	1	Total 1	Mg 1	0

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Mol	Chain	Residues	Atoms		AltConf
18	E301	1	Total 1	Mg 1	0
18	E310	1	Total 1	Mg 1	0
18	E314	1	Total 1	Mg 1	0
18	E323	1	Total 1	Mg 1	0
18	E332	1	Total 1	Mg 1	0
18	E345	1	Total 1	Mg 1	0
18	E354	1	Total 1	Mg 1	0
18	E363	1	Total 1	Mg 1	0
18	E369	1	Total 1	Mg 1	0
18	E378	1	Total 1	Mg 1	0
18	E386	1	Total 1	Mg 1	0
18	E395	1	Total 1	Mg 1	0
18	E404	1	Total 1	Mg 1	0
18	E418	1	Total 1	Mg 1	0
18	E427	1	Total 1	Mg 1	0
18	E436	1	Total 1	Mg 1	0
18	E440	1	Total 1	Mg 1	0
18	E449	1	Total 1	Mg 1	0
18	E458	1	Total 1	Mg 1	0
18	E471	1	Total 1	Mg 1	0
18	E480	1	Total 1	Mg 1	0

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Mol	Chain	Residues	Atoms		AltConf
18	E489	1	Total 1	Mg 1	0
18	E491	1	Total 1	Mg 1	0
18	E492	1	Total 1	Mg 1	0
18	E493	1	Total 1	Mg 1	0
18	E494	1	Total 1	Mg 1	0
18	E497	1	Total 1	Mg 1	0
18	E499	1	Total 1	Mg 1	0
18	E503	1	Total 1	Mg 1	0
18	E505	1	Total 1	Mg 1	0
18	E506	1	Total 1	Mg 1	0
18	E507	1	Total 1	Mg 1	0
18	E508	1	Total 1	Mg 1	0
18	E509	1	Total 1	Mg 1	0
18	E512	1	Total 1	Mg 1	0
18	E513	1	Total 1	Mg 1	0
18	E515	1	Total 1	Mg 1	0
18	E517	1	Total 1	Mg 1	0
18	E530	1	Total 1	Mg 1	0
18	H001	1	Total 1	Mg 1	0
18	H002	1	Total 1	Mg 1	0
18	H003	1	Total 1	Mg 1	0

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Mol	Chain	Residues	Atoms		AltConf
18	H004	1	Total	Mg	0
			1	1	
18	H005	1	Total	Mg	0
			1	1	
18	H006	1	Total	Mg	0
			1	1	
18	H007	1	Total	Mg	0
			1	1	
18	H008	1	Total	Mg	0
			1	1	
18	H009	1	Total	Mg	0
			1	1	
18	H010	1	Total	Mg	0
			1	1	
18	H011	1	Total	Mg	0
			1	1	
18	H012	1	Total	Mg	0
			1	1	

MolProbity failed to run properly - this section is therefore empty.

3 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	27445	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	51.0	Depositor
Minimum defocus (nm)	300	Depositor
Maximum defocus (nm)	2000	Depositor
Magnification	Not provided	
Image detector	FEI FALCON III (4k x 4k)	Depositor
Maximum map value	0.268	Depositor
Minimum map value	-0.211	Depositor
Average map value	0.000	Depositor
Map value standard deviation	0.010	Depositor
Recommended contour level	0.015	Depositor
Map size (Å)	1499.0992, 1499.0992, 1499.0992	wwPDB
Map dimensions	750, 750, 750	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.998799, 1.998799, 1.998799	Depositor

4 Model quality [i](#)

4.1 Standard geometry [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.2 Too-close contacts [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3 Torsion angles [i](#)

4.3.1 Protein backbone [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.2 Protein sidechains [i](#)

MolProbity failed to run properly - this section is therefore empty.

4.3.3 RNA [i](#)

MolProbity failed to run properly - this section is therefore empty.

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

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

4.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

4.6 Ligand geometry [i](#)

Of 82 ligands modelled in this entry, 82 are monoatomic - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

4.7 Other polymers [i](#)

There are no such residues in this entry.

4.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

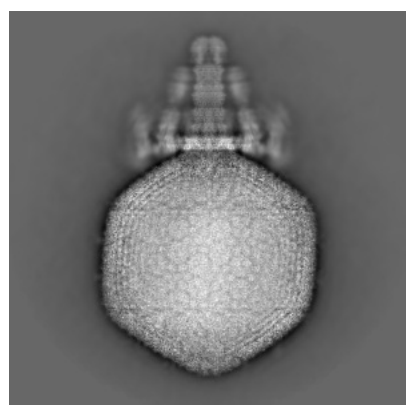
5 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-14100. These allow visual inspection of the internal detail of the map and identification of artifacts.

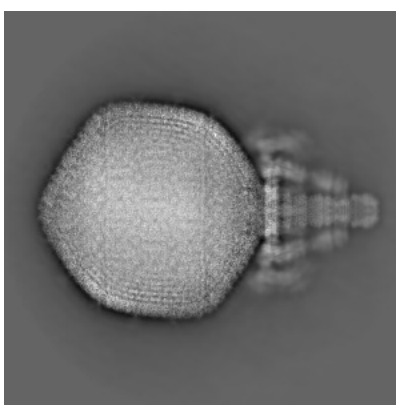
No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

5.1 Orthogonal projections [i](#)

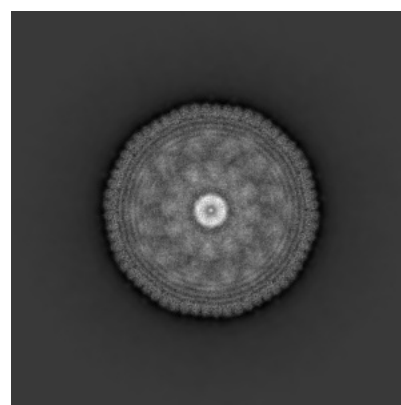
5.1.1 Primary map



X



Y

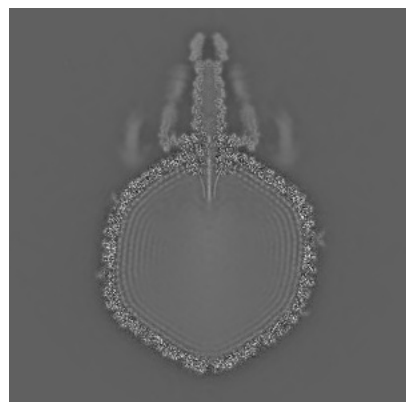


Z

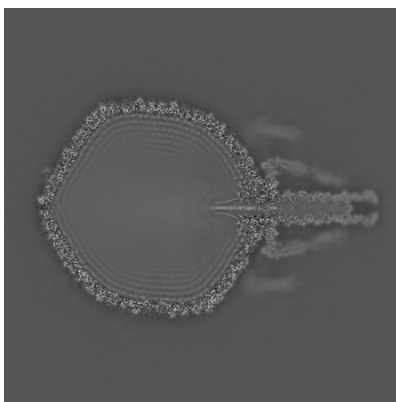
The images above show the map projected in three orthogonal directions.

5.2 Central slices [i](#)

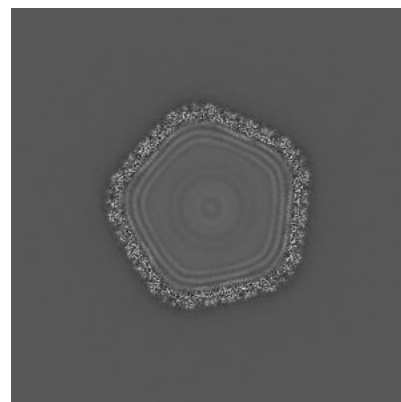
5.2.1 Primary map



X Index: 375



Y Index: 375

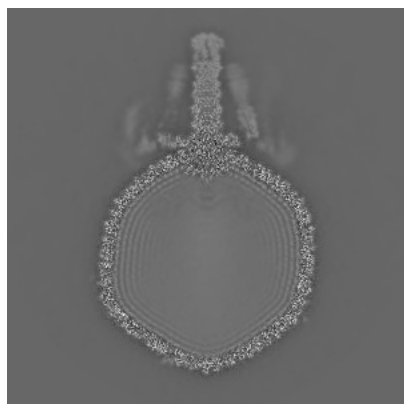


Z Index: 375

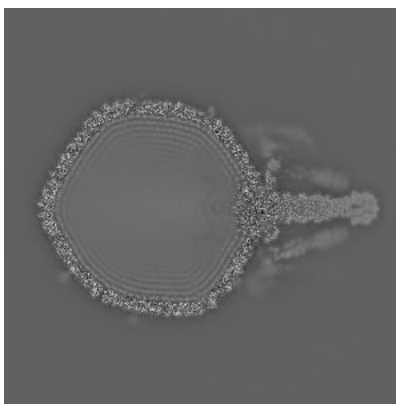
The images above show central slices of the map in three orthogonal directions.

5.3 Largest variance slices [i](#)

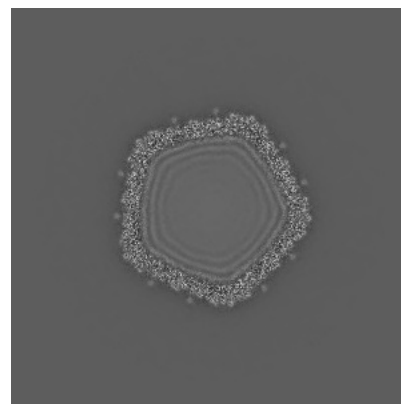
5.3.1 Primary map



X Index: 389



Y Index: 391

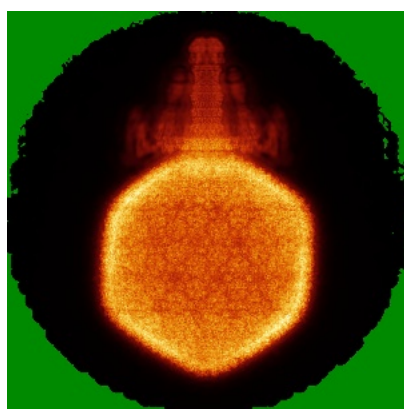


Z Index: 169

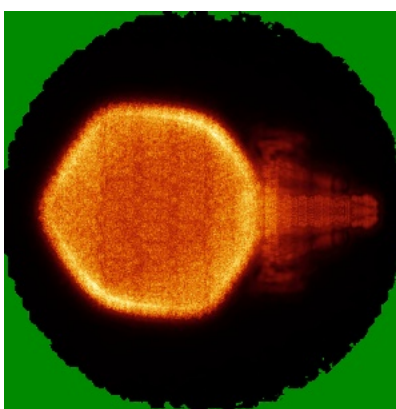
The images above show the largest variance slices of the map in three orthogonal directions.

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

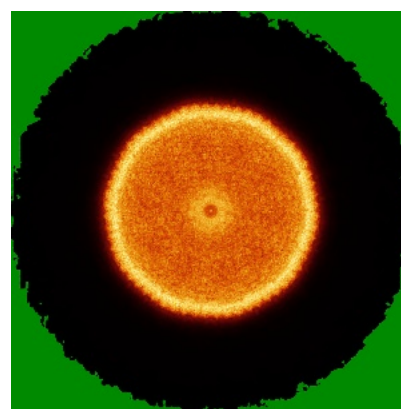
5.4.1 Primary map



X



Y

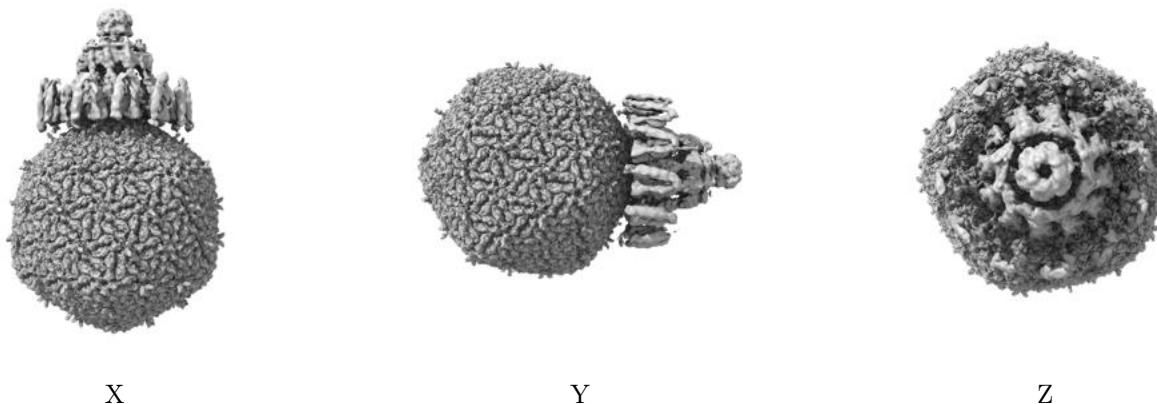


Z

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

5.5 Orthogonal surface views [i](#)

5.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.015. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

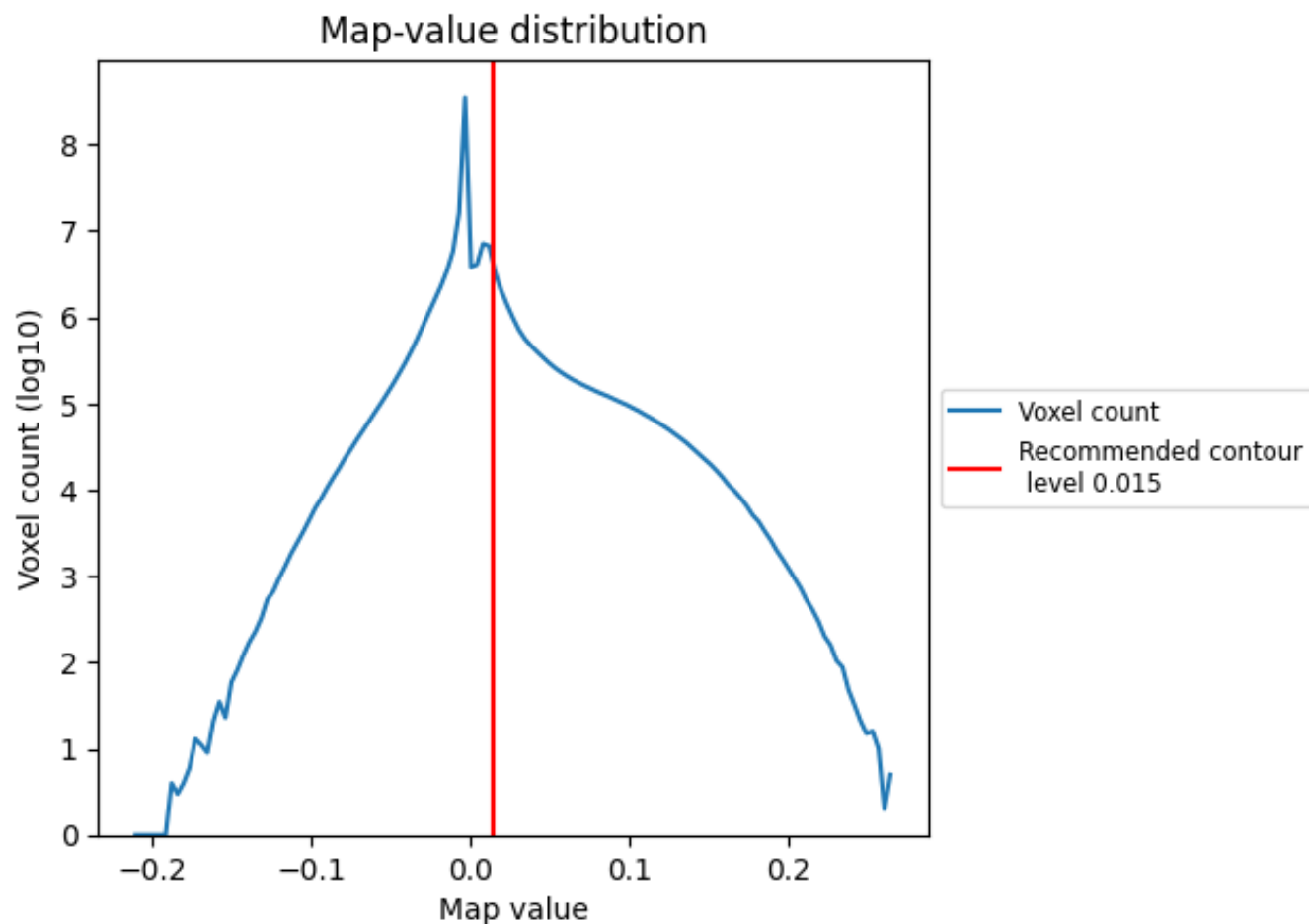
5.6 Mask visualisation [i](#)

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

6 Map analysis [i](#)

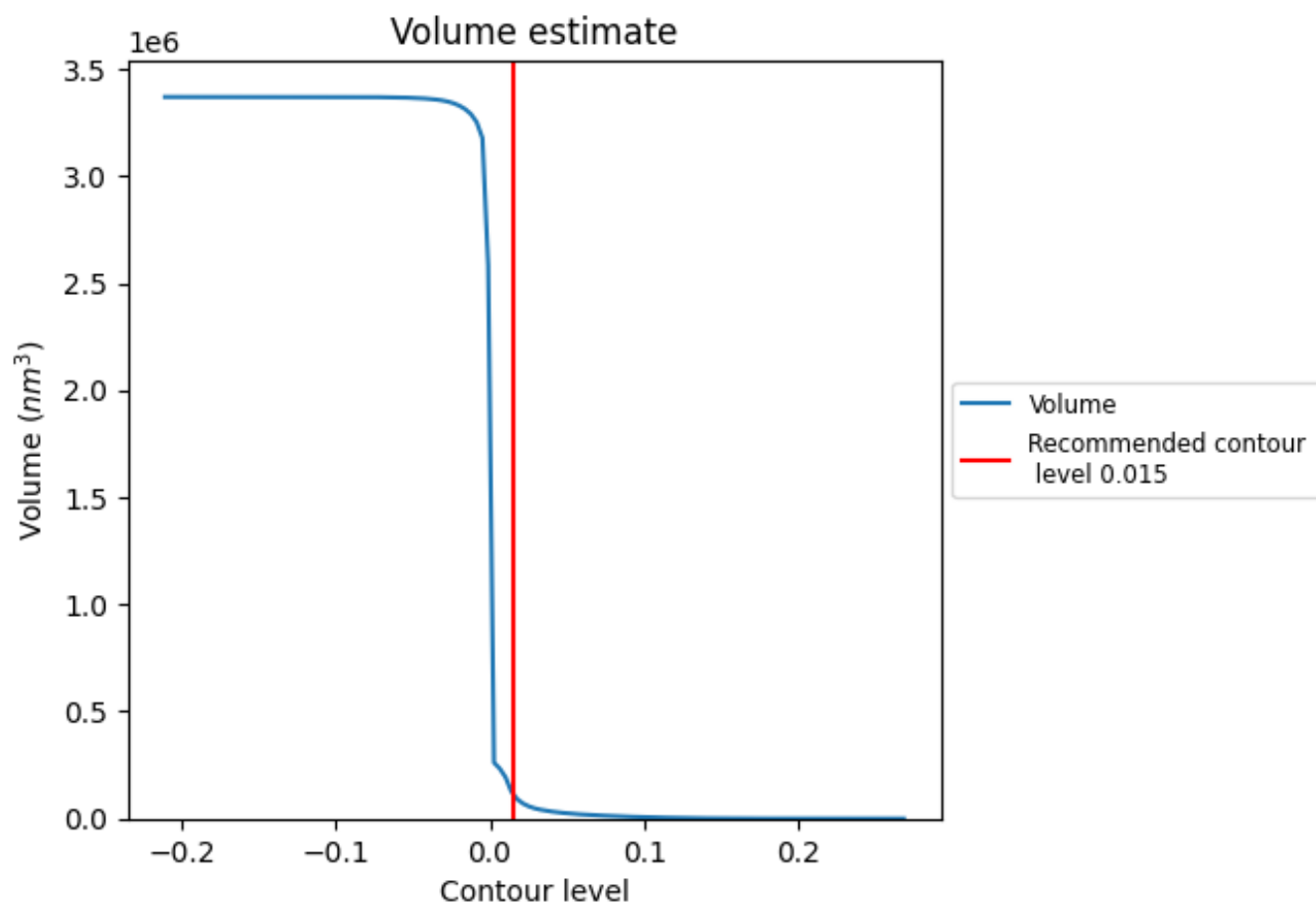
This section contains the results of statistical analysis of the map.

6.1 Map-value distribution [i](#)



The map-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic. A spike in this graph at zero usually indicates that the volume has been masked.

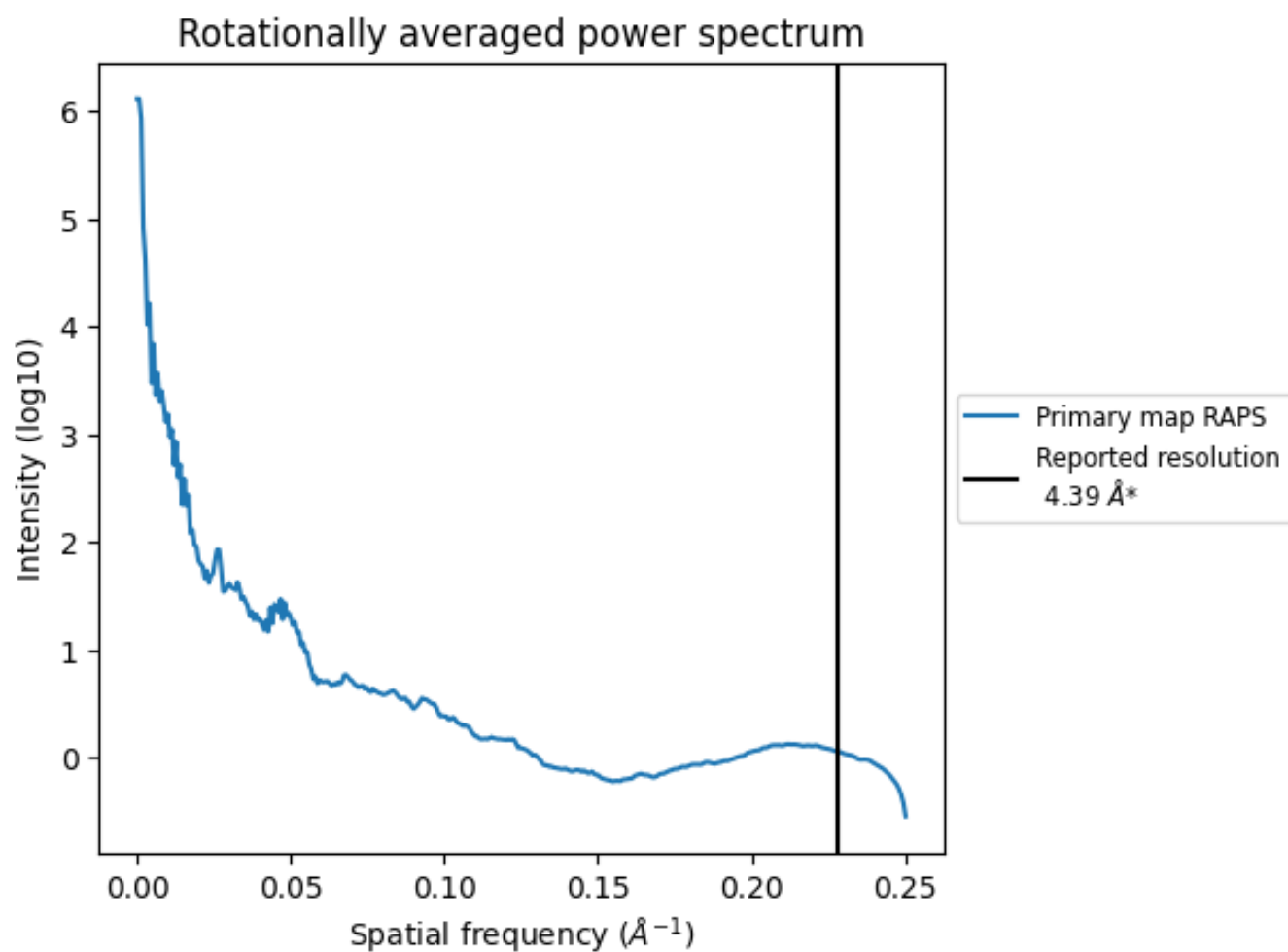
6.2 Volume estimate [i](#)



The volume at the recommended contour level is 116453 nm³; this corresponds to an approximate mass of 105195 kDa.

The volume estimate graph shows how the enclosed volume varies with the contour level. The recommended contour level is shown as a vertical line and the intersection between the line and the curve gives the volume of the enclosed surface at the given level.

6.3 Rotationally averaged power spectrum ⓘ

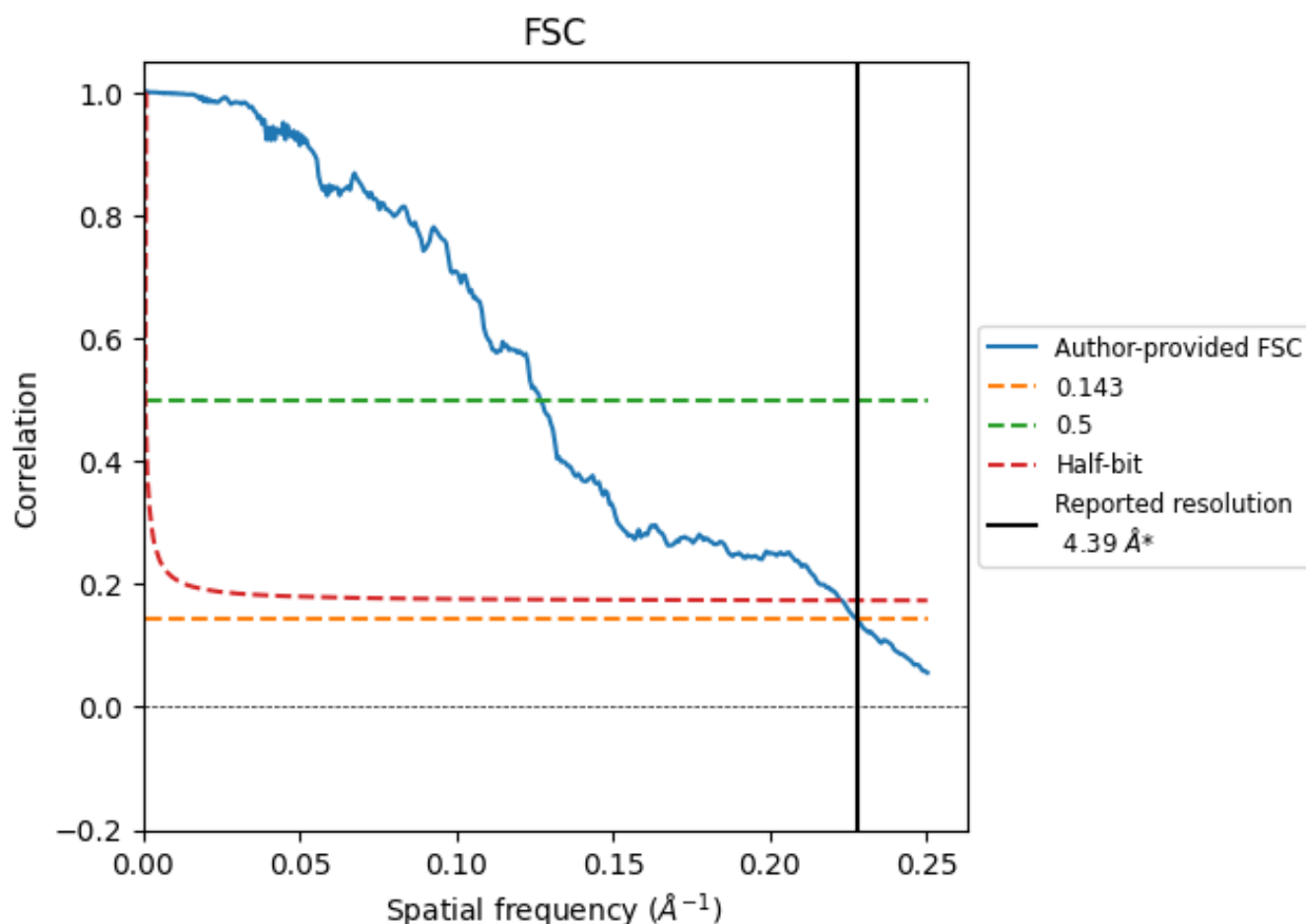


*Reported resolution corresponds to spatial frequency of 0.228 Å⁻¹

7 Fourier-Shell correlation [i](#)

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

7.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.228 Å⁻¹

7.2 Resolution estimates [i](#)

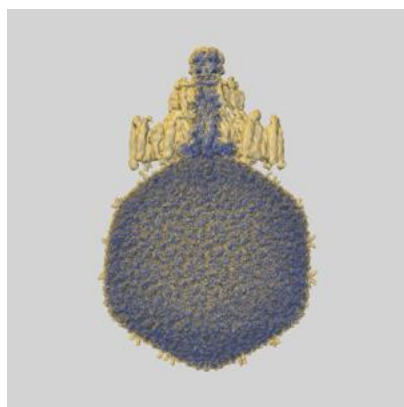
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	4.39	-	-
Author-provided FSC curve	4.39	7.90	4.49
Unmasked-calculated*	-	-	-

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps.

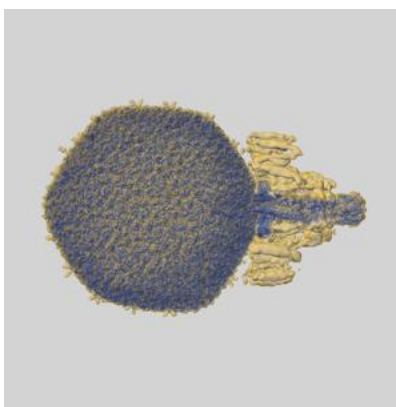
8 Map-model fit [i](#)

This section contains information regarding the fit between EMDB map EMD-14100 and PDB model 8CKB. Per-residue inclusion information can be found in section ?? on page ??.

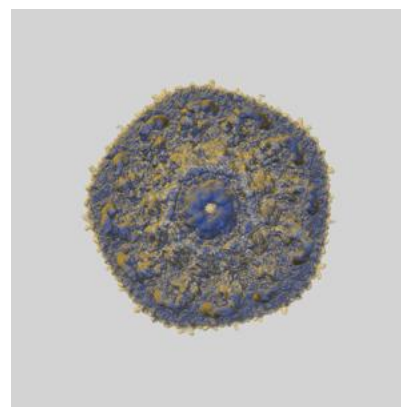
8.1 Map-model overlay [i](#)



X



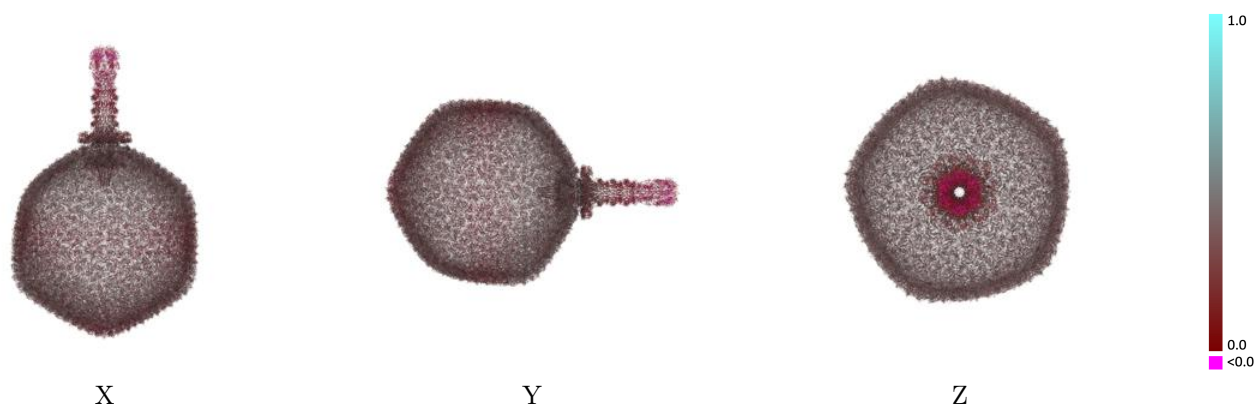
Y



Z

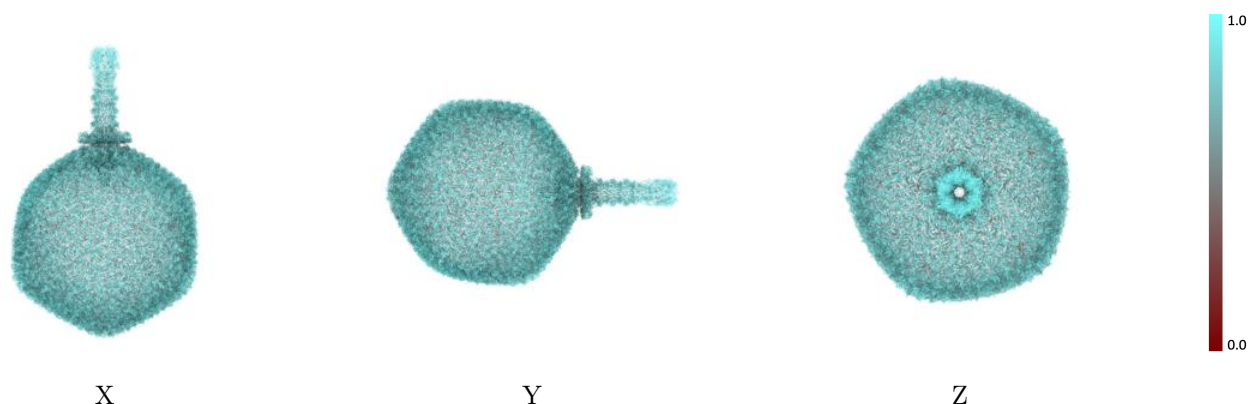
The images above show the 3D surface view of the map at the recommended contour level 0.015 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



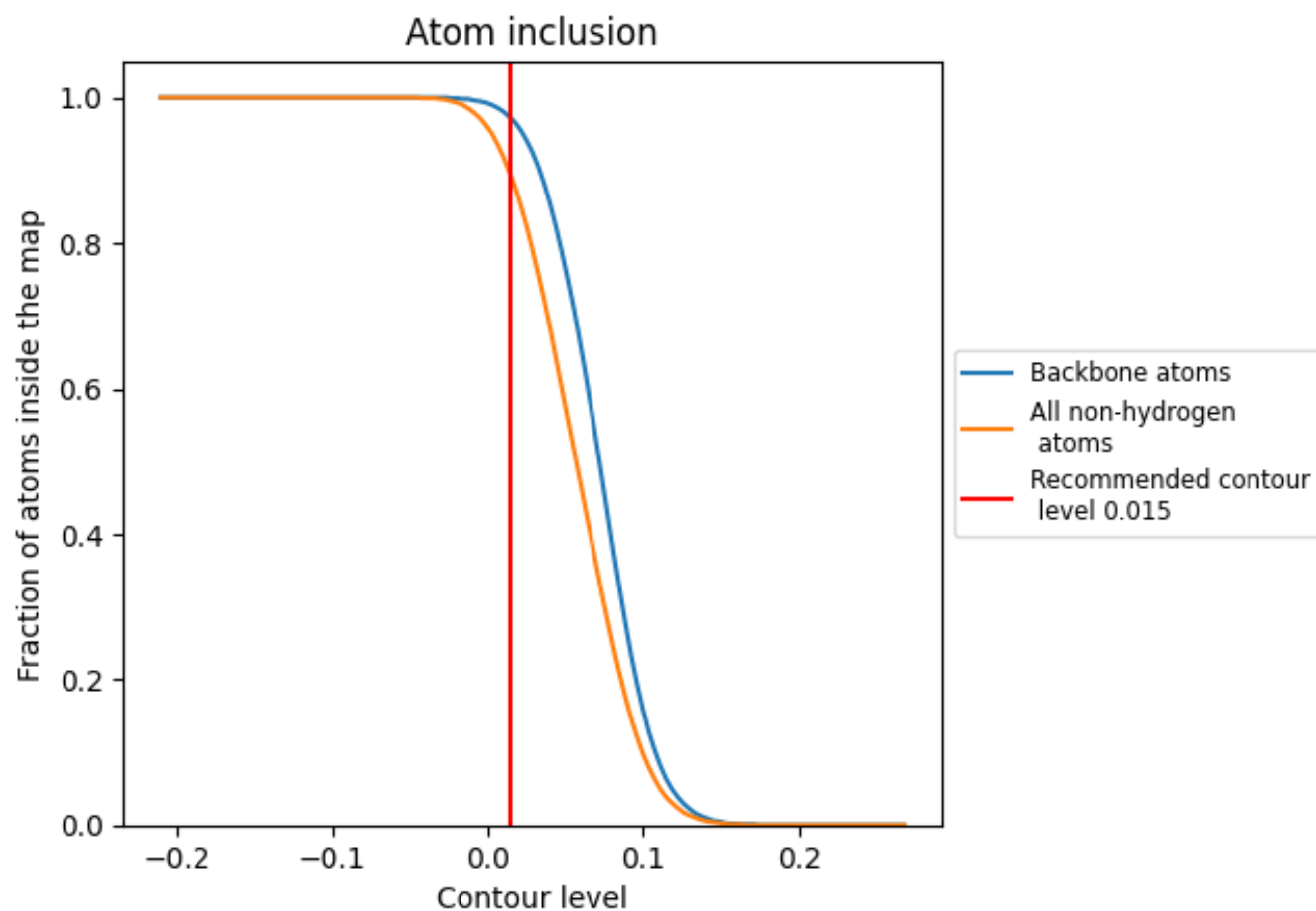
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions at which atoms can be resolved. Low Q-score values may therefore be expected for many entries.

8.3 Atom inclusion mapped to coordinate model [i](#)



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.015).

8.4 Atom inclusion [i](#)



At the recommended contour level, 97% of all backbone atoms, 89% of all non-hydrogen atoms, are inside the map.

8.5 Map-model fit summary ⓘ

The table lists the average atom inclusion at the recommended contour level (0.015) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.8930	 0.3200
A001	 0.9130	 0.3210
A002	 0.9320	 0.3100
A003	 0.9450	 0.3480
A004	 0.9260	 0.3130
A005	 0.9290	 0.3450
A006	 0.9350	 0.3570
A007	 0.9270	 0.3540
A008	 0.9370	 0.3590
A009	 0.9390	 0.3690
A010	 0.9160	 0.3290
A011	 0.9510	 0.3610
A012	 0.9430	 0.3620
A013	 0.9390	 0.3470
A014	 0.9460	 0.3680
A015	 0.9320	 0.3400
A016	 0.9350	 0.3440
A017	 0.9320	 0.3200
A018	 0.9300	 0.3140
A019	 0.9250	 0.3230
A020	 0.9140	 0.3350
A021	 0.9290	 0.3570
A022	 0.9280	 0.3480
A023	 0.9230	 0.3590
A024	 0.9210	 0.3350
A025	 0.9340	 0.3420
A026	 0.9270	 0.3280
A027	 0.9490	 0.3430
A028	 0.9400	 0.3380
A029	 0.9260	 0.3110
A030	 0.9350	 0.3050
A031	 0.9150	 0.2810
A032	 0.9190	 0.2960
A033	 0.9240	 0.2870
A034	 0.9220	 0.2940



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Chain	Atom inclusion	Q-score
A035	 0.9240	 0.2960
A036	 0.9540	 0.3620
A037	 0.9430	 0.3560
A038	 0.9340	 0.3570
A039	 0.9380	 0.3570
A040	 0.9370	 0.3620
A041	 0.9280	 0.3450
A042	 0.9350	 0.3550
A043	 0.9330	 0.3640
A044	 0.9340	 0.3620
A045	 0.9410	 0.3400
A046	 0.9310	 0.3500
A047	 0.9160	 0.3360
A048	 0.9260	 0.3300
A049	 0.9170	 0.3270
A050	 0.9290	 0.3670
A051	 0.9550	 0.3640
A052	 0.9450	 0.3720
A053	 0.9400	 0.3500
A054	 0.9410	 0.3610
A055	 0.9400	 0.3490
A056	 0.9350	 0.3460
A057	 0.9360	 0.3270
A058	 0.9220	 0.3110
A059	 0.9320	 0.3390
A060	 0.9450	 0.3560
A061	 0.9370	 0.3560
A062	 0.9370	 0.3500
A063	 0.9420	 0.3600
A064	 0.9410	 0.3430
A065	 0.9360	 0.3440
A066	 0.9310	 0.3200
A067	 0.9260	 0.3090
A068	 0.9320	 0.3350
A069	 0.9150	 0.3320
A070	 0.9280	 0.3500
A071	 0.9370	 0.3550
A072	 0.9270	 0.3410
A073	 0.9370	 0.3590
A074	 0.9300	 0.3480
A075	 0.9350	 0.3560
A076	 0.9330	 0.3460

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Chain	Atom inclusion	Q-score
A077	 0.9290	 0.3440
A078	 0.9280	 0.3480
A079	 0.9480	 0.3510
A080	 0.9510	 0.3370
A081	 0.9370	 0.3400
A082	 0.9270	 0.2930
A083	 0.9310	 0.3210
A084	 0.9310	 0.3040
A085	 0.9390	 0.3360
A086	 0.9480	 0.3660
A087	 0.9370	 0.3420
A088	 0.9460	 0.3350
A089	 0.9420	 0.3330
A090	 0.9230	 0.2940
A091	 0.9200	 0.2960
A092	 0.9090	 0.2600
A093	 0.9150	 0.2810
A094	 0.9190	 0.2770
A095	 0.9190	 0.2800
A096	 0.9140	 0.2840
A097	 0.9220	 0.3460
A098	 0.9420	 0.3670
A099	 0.9410	 0.3660
A100	 0.9380	 0.3620
A101	 0.9470	 0.3590
A102	 0.9440	 0.3530
A103	 0.9410	 0.3540
A104	 0.9300	 0.3060
A105	 0.9320	 0.3190
A106	 0.9180	 0.3020
A107	 0.9400	 0.3350
A108	 0.9410	 0.3580
A109	 0.9380	 0.3540
A110	 0.9510	 0.3670
A111	 0.9470	 0.3630
A112	 0.9370	 0.3660
A113	 0.9300	 0.3650
A114	 0.9380	 0.3610
A115	 0.9230	 0.3610
A116	 0.9330	 0.3470
A117	 0.9340	 0.3520
A118	 0.9290	 0.3580

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Chain	Atom inclusion	Q-score
A119	 0.9510	 0.3660
A120	 0.9430	 0.3680
A121	 0.9380	 0.3630
A122	 0.9370	 0.3550
A123	 0.9430	 0.3400
A124	 0.9400	 0.3330
A125	 0.9370	 0.3370
A126	 0.9260	 0.2960
A127	 0.9310	 0.3110
A128	 0.9230	 0.2900
A129	 0.9410	 0.3350
A130	 0.9430	 0.3500
A131	 0.9300	 0.3400
A132	 0.9490	 0.3610
A133	 0.9380	 0.3550
A134	 0.9240	 0.3500
A135	 0.9310	 0.3370
A136	 0.9260	 0.3350
A137	 0.9200	 0.3410
A138	 0.9300	 0.3470
A139	 0.9370	 0.3480
A140	 0.9170	 0.3320
A141	 0.9380	 0.3490
A142	 0.9360	 0.3470
A143	 0.9250	 0.3490
A144	 0.9290	 0.3460
A145	 0.9370	 0.3530
A146	 0.9260	 0.3490
A147	 0.9330	 0.3630
A148	 0.9280	 0.3570
A149	 0.9470	 0.3640
A150	 0.9410	 0.3610
A151	 0.9380	 0.3610
A152	 0.9310	 0.3510
A153	 0.9270	 0.3500
A154	 0.9200	 0.3410
A155	 0.9230	 0.3540
A156	 0.9250	 0.3610
A157	 0.9260	 0.3610
A158	 0.9430	 0.3460
A159	 0.9420	 0.3380
A160	 0.9330	 0.3390

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Chain	Atom inclusion	Q-score
A161	 0.9190	 0.2880
A162	 0.9260	 0.2970
A163	 0.9150	 0.2870
A164	 0.9310	 0.3190
A165	 0.9400	 0.3440
A166	 0.9260	 0.3290
A167	 0.9290	 0.3010
A168	 0.9250	 0.2900
A169	 0.9200	 0.2940
A170	 0.9140	 0.2800
A171	 0.9170	 0.2920
A172	 0.9270	 0.3160
A173	 0.8900	 0.2510
A174	 0.8910	 0.2380
A175	 0.8870	 0.2470
A176	 0.9180	 0.3140
A177	 0.9110	 0.3010
A178	 0.9190	 0.3110
A179	 0.9270	 0.3220
A180	 0.9170	 0.3240
A181	 0.8940	 0.2810
A182	 0.9410	 0.3530
A183	 0.9400	 0.3550
A184	 0.9490	 0.3610
A185	 0.9380	 0.3630
A186	 0.9380	 0.3380
A187	 0.9400	 0.3470
A188	 0.9260	 0.3310
A189	 0.9440	 0.3230
A190	 0.9330	 0.3410
A191	 0.9470	 0.3460
A192	 0.9530	 0.3410
A193	 0.9360	 0.3410
A194	 0.9370	 0.3400
A195	 0.9270	 0.3380
A196	 0.9470	 0.3490
A197	 0.9410	 0.3210
A198	 0.9330	 0.3390
A199	 0.9310	 0.3020
A200	 0.9330	 0.3070
A201	 0.9370	 0.3150
A202	 0.9520	 0.3480

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Chain	Atom inclusion	Q-score
A203	 0.9500	 0.3710
A204	 0.9420	 0.3510
A205	 0.9530	 0.3620
A206	 0.9390	 0.3590
A207	 0.9350	 0.3640
A208	 0.9450	 0.3670
A209	 0.9410	 0.3650
A210	 0.9360	 0.3640
A211	 0.9360	 0.3610
A212	 0.9370	 0.3570
A213	 0.9380	 0.3710
A214	 0.9430	 0.3480
A215	 0.9310	 0.3400
A216	 0.9300	 0.3360
A217	 0.9380	 0.3330
A218	 0.9230	 0.3270
A219	 0.9190	 0.3330
A220	 0.9230	 0.3300
A221	 0.9240	 0.3360
A222	 0.9270	 0.3400
A223	 0.9280	 0.3470
A224	 0.9370	 0.3450
A225	 0.9380	 0.3500
A226	 0.9290	 0.3420
A227	 0.9440	 0.3430
A228	 0.9300	 0.3350
A229	 0.9260	 0.3250
A230	 0.9350	 0.3360
A231	 0.9280	 0.3240
A232	 0.9190	 0.3320
A233	 0.9240	 0.3200
A234	 0.9290	 0.3320
A235	 0.9200	 0.3250
A236	 0.9500	 0.3640
A237	 0.9390	 0.3630
A238	 0.9330	 0.3580
A239	 0.9330	 0.3500
A240	 0.9230	 0.3600
A241	 0.9220	 0.3490
A242	 0.9370	 0.3600
A243	 0.9380	 0.3690
A244	 0.9340	 0.3680

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Chain	Atom inclusion	Q-score
A245	 0.9410	 0.3500
A246	 0.9340	 0.3490
A247	 0.9090	 0.3400
A248	 0.9300	 0.3650
A249	 0.9340	 0.3620
A250	 0.9260	 0.3640
A251	 0.9510	 0.3620
A252	 0.9430	 0.3600
A253	 0.9280	 0.3360
A254	 0.9390	 0.3660
A255	 0.9440	 0.3390
A256	 0.9300	 0.3330
A257	 0.9440	 0.3100
A258	 0.9230	 0.2890
A259	 0.9340	 0.3190
A260	 0.9430	 0.3400
A261	 0.9370	 0.3290
A262	 0.9300	 0.3260
A263	 0.9200	 0.2840
A264	 0.9250	 0.2940
A265	 0.9250	 0.2800
A266	 0.9280	 0.3140
A267	 0.9340	 0.3350
A268	 0.9330	 0.3230
A269	 0.9210	 0.2830
A270	 0.9260	 0.2900
A271	 0.9190	 0.2870
A272	 0.9220	 0.2920
A273	 0.9260	 0.3180
A274	 0.9400	 0.3260
A275	 0.9420	 0.3240
A276	 0.9160	 0.2890
A277	 0.9180	 0.2790
A278	 0.9070	 0.2520
A279	 0.9100	 0.2700
A280	 0.9240	 0.2650
A281	 0.9150	 0.2720
A282	 0.9150	 0.2790
A283	 0.9150	 0.3330
A284	 0.9170	 0.3450
A285	 0.9260	 0.3480
A286	 0.9290	 0.3610

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Chain	Atom inclusion	Q-score
A287	 0.9510	 0.3340
A288	 0.9450	 0.3400
A289	 0.9210	 0.3000
A290	 0.9370	 0.3020
A291	 0.9170	 0.2720
A292	 0.9110	 0.2850
A293	 0.9470	 0.3560
A294	 0.9400	 0.3640
A295	 0.9370	 0.3420
A296	 0.9350	 0.3610
A297	 0.9440	 0.3410
A298	 0.9320	 0.3480
A299	 0.8960	 0.2410
A300	 0.8900	 0.2340
A301	 0.9010	 0.2550
A302	 0.9160	 0.3190
A303	 0.9160	 0.3210
A304	 0.9170	 0.3340
A305	 0.9250	 0.3360
A306	 0.9210	 0.3190
A307	 0.8910	 0.2820
A308	 0.9370	 0.3350
A309	 0.9290	 0.3260
A310	 0.9300	 0.3400
A311	 0.9300	 0.3410
A312	 0.9290	 0.3060
A313	 0.9230	 0.3150
A314	 0.9250	 0.3040
A315	 0.9240	 0.3010
A316	 0.9340	 0.3170
A317	 0.9450	 0.3620
A318	 0.9370	 0.3580
A319	 0.9290	 0.3590
A320	 0.9410	 0.3600
A321	 0.9150	 0.3470
A322	 0.9230	 0.3380
A323	 0.9370	 0.3510
A324	 0.9200	 0.3570
A325	 0.8900	 0.2460
A326	 0.8960	 0.2460
A327	 0.8960	 0.2570
A328	 0.9190	 0.3180

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Chain	Atom inclusion	Q-score
A329	 0.9130	 0.3080
A330	 0.9200	 0.3250
A331	 0.9300	 0.3260
A332	 0.9260	 0.3290
A333	 0.8930	 0.2910
A334	 0.9440	 0.3340
A335	 0.9450	 0.3320
A336	 0.9400	 0.3340
A337	 0.9320	 0.2950
A338	 0.9280	 0.2800
A339	 0.9250	 0.2730
A340	 0.9170	 0.2820
A341	 0.9270	 0.2860
A342	 0.9270	 0.3040
A343	 0.9490	 0.3590
A344	 0.9130	 0.2660
A345	 0.9290	 0.2770
A346	 0.9150	 0.2740
A347	 0.9300	 0.3020
A348	 0.9010	 0.2570
A349	 0.8890	 0.2500
A350	 0.9010	 0.2590
A351	 0.9270	 0.3280
A352	 0.9050	 0.3070
A353	 0.9170	 0.3360
A354	 0.9230	 0.3310
A355	 0.9200	 0.3230
A356	 0.8920	 0.2840
A357	 0.9430	 0.3540
A358	 0.9380	 0.3470
A359	 0.9310	 0.3450
A360	 0.9290	 0.3500
A361	 0.9310	 0.3340
A362	 0.9360	 0.3370
A363	 0.9380	 0.3360
A364	 0.9350	 0.3230
A365	 0.9280	 0.3290
A366	 0.9410	 0.3290
A367	 0.9380	 0.3280
A368	 0.9360	 0.3180
A369	 0.9210	 0.2820
A370	 0.9190	 0.2730

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Chain	Atom inclusion	Q-score
A371	 0.9300	 0.3470
A372	 0.9370	 0.3500
A373	 0.9340	 0.3450
A374	 0.9340	 0.3290
A375	 0.9340	 0.3330
A376	 0.9270	 0.3210
A377	 0.9420	 0.3210
A378	 0.9390	 0.3310
A379	 0.9420	 0.3470
A380	 0.9410	 0.3360
A381	 0.9360	 0.3380
A382	 0.9280	 0.3420
A383	 0.9240	 0.3130
A384	 0.9310	 0.3130
A385	 0.9240	 0.3050
A386	 0.9260	 0.3020
A387	 0.9280	 0.3040
A388	 0.9490	 0.3600
A389	 0.9450	 0.3500
A390	 0.9350	 0.3310
A391	 0.9220	 0.2980
A392	 0.9270	 0.3100
A393	 0.9230	 0.2880
A394	 0.9290	 0.2940
A395	 0.9310	 0.3030
A396	 0.9310	 0.3210
A397	 0.9240	 0.2970
A398	 0.9380	 0.3380
A399	 0.9390	 0.3570
A400	 0.9360	 0.3470
A401	 0.9510	 0.3560
A402	 0.9430	 0.3560
A403	 0.9390	 0.3500
A404	 0.9350	 0.3160
A405	 0.9250	 0.2950
A406	 0.9190	 0.3120
A407	 0.9290	 0.3090
A408	 0.9270	 0.3060
A409	 0.9360	 0.3300
A410	 0.9070	 0.2590
A411	 0.8950	 0.2490
A412	 0.8950	 0.2640

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Chain	Atom inclusion	Q-score
A413	 0.9190	 0.3230
A414	 0.9090	 0.3110
A415	 0.9150	 0.3240
A416	 0.9200	 0.3190
A417	 0.9280	 0.3270
A418	 0.9080	 0.2840
A419	 0.9500	 0.3370
A420	 0.9370	 0.3110
A421	 0.9340	 0.3300
A422	 0.9300	 0.2820
A423	 0.9470	 0.3660
A424	 0.9450	 0.3570
A425	 0.9370	 0.3570
A426	 0.9270	 0.3490
A427	 0.9250	 0.3540
A428	 0.9120	 0.3350
A429	 0.9250	 0.3530
A430	 0.9370	 0.3630
A431	 0.9400	 0.3610
A432	 0.9500	 0.3630
A433	 0.9400	 0.3460
A434	 0.9430	 0.3480
A435	 0.9330	 0.3110
A436	 0.9380	 0.3220
A437	 0.9280	 0.3050
A438	 0.9450	 0.3450
A439	 0.9430	 0.3630
A440	 0.9390	 0.3570
A441	 0.9460	 0.3330
A442	 0.9230	 0.3430
A443	 0.9160	 0.3400
A444	 0.9150	 0.3230
A445	 0.9200	 0.3190
A446	 0.9150	 0.3310
A447	 0.9310	 0.3300
A448	 0.9250	 0.3300
A449	 0.9460	 0.3590
A450	 0.9390	 0.3620
A451	 0.9330	 0.3410
A452	 0.9390	 0.3590
A453	 0.9340	 0.3480
A454	 0.9340	 0.3570

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Chain	Atom inclusion	Q-score
A455	 0.9340	 0.3530
A456	 0.9390	 0.3500
A457	 0.9260	 0.3520
A458	 0.9460	 0.3370
A459	 0.9410	 0.3130
A460	 0.9410	 0.3340
A461	 0.9270	 0.2860
A462	 0.9160	 0.3010
A463	 0.9210	 0.2880
A464	 0.9360	 0.3360
A465	 0.9450	 0.3570
A466	 0.9330	 0.3300
A467	 0.9330	 0.3710
A468	 0.9340	 0.3610
A469	 0.9260	 0.3570
A470	 0.9270	 0.3390
A471	 0.9430	 0.3470
A472	 0.9310	 0.3600
A473	 0.9430	 0.3280
A474	 0.9400	 0.3080
A475	 0.9240	 0.3230
A476	 0.9210	 0.2750
A477	 0.9250	 0.2940
A478	 0.9200	 0.2800
A479	 0.9400	 0.3360
A480	 0.9470	 0.3600
A481	 0.9290	 0.3270
A482	 0.9560	 0.3710
A483	 0.9430	 0.3660
A484	 0.9350	 0.3630
A485	 0.9350	 0.3690
A486	 0.9300	 0.3600
A487	 0.9240	 0.3620
A488	 0.9350	 0.3540
A489	 0.9450	 0.3530
A490	 0.9330	 0.3550
A491	 0.9620	 0.3690
A492	 0.9440	 0.3620
A493	 0.9330	 0.3640
A494	 0.9310	 0.3350
A495	 0.9170	 0.3390
A496	 0.9170	 0.3620

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Chain	Atom inclusion	Q-score
A497	 0.8830	 0.3530
A498	 0.8870	 0.3530
A499	 0.8940	 0.4450
A500	 0.9200	 0.3680
A501	 0.8860	 0.3500
A502	 0.9020	 0.3650
A503	 0.9130	 0.4070
A504	 0.9180	 0.3640
A505	 0.8910	 0.3710
A506	 0.9030	 0.3640
A507	 0.8790	 0.4200
A508	 0.9140	 0.3480
A509	 0.8790	 0.3550
A510	 0.9030	 0.3620
A511	 0.9310	 0.4400
A512	 0.9210	 0.3660
A513	 0.8900	 0.3540
A514	 0.8880	 0.3550
A515	 0.9250	 0.4200
A516	 0.9370	 0.3180
A517	 0.9330	 0.3200
A518	 0.9320	 0.2950
A519	 0.9190	 0.3330
A520	 0.9140	 0.2460
A521	 0.9150	 0.3420
A522	 0.9170	 0.3420
A523	 0.9220	 0.3570
A524	 0.9110	 0.2700
A525	 0.9220	 0.2810
A526	 0.9080	 0.2660
A527	 0.9200	 0.2580
A528	 0.9130	 0.2560
A529	 0.9410	 0.3360
A530	 0.9310	 0.3400
A531	 0.9240	 0.3300
A532	 0.9330	 0.3430
A533	 0.9330	 0.3370
A534	 0.9240	 0.3390
A535	 0.9210	 0.3400
B001	 0.4160	 0.2390
B002	 0.7530	 0.2900
B003	 0.7690	 0.3000

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Chain	Atom inclusion	Q-score
B004	 0.5730	 0.2260
B005	 0.5550	 0.2120
B006	 0.6540	 0.2170
B007	 0.6500	 0.2070
B008	 0.7310	 0.2890
B009	 0.6850	 0.2680
B010	 0.7550	 0.2980
B011	 0.7420	 0.2730
B012	 0.7340	 0.2880
B013	 0.7470	 0.2950
B014	 0.6700	 0.2320
B015	 0.6150	 0.2340
B016	 0.7620	 0.2640
B017	 0.7800	 0.2650
B018	 0.7120	 0.2250
B019	 0.7000	 0.2390
B020	 0.7860	 0.2950
B021	 0.7360	 0.2970
B022	 0.7270	 0.2360
B023	 0.6780	 0.2400
B024	 0.5620	 0.2780
B025	 0.4780	 0.2110
B026	 0.6210	 0.2550
B027	 0.5770	 0.2530
B028	 0.7510	 0.2450
B029	 0.7140	 0.2310
B030	 0.5790	 0.2390
B031	 0.5990	 0.2640
B032	 0.7840	 0.3000
B033	 0.7640	 0.3020
B034	 0.7550	 0.2540
B035	 0.7070	 0.2440
B036	 0.7090	 0.2460
B037	 0.7230	 0.2580
B038	 0.5440	 0.1820
B039	 0.5220	 0.1820
B040	 0.7800	 0.2740
B041	 0.7580	 0.2510
B042	 0.7490	 0.2610
B043	 0.7450	 0.2890
B044	 0.6650	 0.1920
B045	 0.6870	 0.2470

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Chain	Atom inclusion	Q-score
B046	 0.4710	 0.2020
B047	 0.4850	 0.2670
B048	 0.5900	 0.2140
B049	 0.5440	 0.2210
B050	 0.7620	 0.2520
B051	 0.7180	 0.2450
B052	 0.7530	 0.2860
B053	 0.7090	 0.2920
B054	 0.7730	 0.2980
B055	 0.7580	 0.2900
B056	 0.7360	 0.2430
B057	 0.6780	 0.2490
B058	 0.6280	 0.2230
B059	 0.6320	 0.2300
B060	 0.7510	 0.2910
B061	 0.7490	 0.2820
B062	 0.6320	 0.2190
B063	 0.5880	 0.1820
B064	 0.5460	 0.2010
B065	 0.5350	 0.2020
B066	 0.7340	 0.2490
B067	 0.7360	 0.2680
B068	 0.4850	 0.2410
B069	 0.5900	 0.2220
B070	 0.5290	 0.1720
B071	 0.6850	 0.2340
B072	 0.6500	 0.2170
B073	 0.6590	 0.2240
B074	 0.6760	 0.2300
B075	 0.5730	 0.2190
B076	 0.5330	 0.2020
B077	 0.7690	 0.2880
B078	 0.7340	 0.2580
B079	 0.7050	 0.2760
B080	 0.7070	 0.2550
B081	 0.7550	 0.2700
B082	 0.7470	 0.2720
B083	 0.7380	 0.2820
B084	 0.7820	 0.2730
B085	 0.7000	 0.2270
B086	 0.6560	 0.2360
B087	 0.6780	 0.2510

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Chain	Atom inclusion	Q-score
B088	 0.7070	 0.2770
B089	 0.5570	 0.2270
B090	 0.5480	 0.1930
B091	 0.5840	 0.2380
B092	 0.5620	 0.2200
B093	 0.7600	 0.2860
B094	 0.7510	 0.2930
B095	 0.7250	 0.2570
B096	 0.7530	 0.2590
B097	 0.7710	 0.2460
B098	 0.7710	 0.2800
B099	 0.6920	 0.2040
B100	 0.6890	 0.2330
B101	 0.5180	 0.2470
B102	 0.5150	 0.2250
B103	 0.6650	 0.2130
B104	 0.6780	 0.2300
B105	 0.5110	 0.2510
B106	 0.4800	 0.2430
B107	 0.7660	 0.2780
B108	 0.7420	 0.2840
B109	 0.6300	 0.2240
B110	 0.6230	 0.2200
C001	 0.9280	 0.3400
C002	 0.9340	 0.3520
C003	 0.9210	 0.3320
C004	 0.9080	 0.2960
C005	 0.9140	 0.3490
C006	 0.9140	 0.3660
C007	 0.9240	 0.3330
C008	 0.8980	 0.3180
C009	 0.8980	 0.2790
C010	 0.9080	 0.3620
C011	 0.8950	 0.2700
C012	 0.9380	 0.3610
C013	 0.9010	 0.2890
C014	 0.9340	 0.3750
C015	 0.9340	 0.3610
C016	 0.8650	 0.2830
C017	 0.9240	 0.3360
C018	 0.9140	 0.3400
C019	 0.8950	 0.2650

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Chain	Atom inclusion	Q-score
C020	 0.9240	 0.3100
C021	 0.9180	 0.3460
C022	 0.9080	 0.3350
C023	 0.9310	 0.3760
C024	 0.8750	 0.2780
C025	 0.9110	 0.3590
C026	 0.9240	 0.3410
C027	 0.9240	 0.3410
C028	 0.9310	 0.3620
C029	 0.9280	 0.3670
C030	 0.9310	 0.3120
C031	 0.8880	 0.2420
C032	 0.9080	 0.3150
C033	 0.9110	 0.3170
C034	 0.9240	 0.2770
C035	 0.9180	 0.3400
C036	 0.9180	 0.3530
C037	 0.9380	 0.3700
C038	 0.9140	 0.2960
C039	 0.9180	 0.3290
C040	 0.9210	 0.2870
C041	 0.8820	 0.2730
C042	 0.9180	 0.3460
C043	 0.9050	 0.3150
C044	 0.9310	 0.3000
C045	 0.9080	 0.2950
C046	 0.9080	 0.2820
C047	 0.9180	 0.2900
C048	 0.9110	 0.3010
C049	 0.9140	 0.3550
C050	 0.9340	 0.3340
C051	 0.9050	 0.3330
C052	 0.9210	 0.3140
C053	 0.9380	 0.3900
C054	 0.9240	 0.2820
C055	 0.9180	 0.3290
C056	 0.9110	 0.2620
C057	 0.9380	 0.3750
C058	 0.9210	 0.3510
C059	 0.7600	 0.3230
C060	 0.7500	 0.2950
C061	 0.7800	 0.3340

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Chain	Atom inclusion	Q-score
C062	 0.7800	 0.3260
C063	 0.7990	 0.3530
C064	 0.7630	 0.3070
C065	 0.7070	 0.3190
C066	 0.7340	 0.3270
C067	 0.7070	 0.3020
C068	 0.7660	 0.3410
C069	 0.7660	 0.3210
C070	 0.7370	 0.3330
C071	 0.6940	 0.3060
C072	 0.6910	 0.3230
C073	 0.7070	 0.3100
C074	 0.9210	 0.3290
C075	 0.8950	 0.2940
D001	 0.9140	 0.2300
D002	 0.9570	 0.2280
D003	 0.8000	 0.1610
D004	 0.9140	 0.2050
D005	 0.7000	 0.1570
D006	 0.9430	 0.2130
E001	 0.8540	 0.2710
E002	 0.8940	 0.3570
E003	 0.8850	 0.3390
E004	 0.8530	 0.2850
E005	 0.8850	 0.3540
E006	 0.8670	 0.3040
E007	 0.8930	 0.3490
E008	 0.8910	 0.3540
E009	 0.8970	 0.3620
E010	 0.8900	 0.3530
E011	 0.8820	 0.3250
E012	 0.8670	 0.2980
E013	 0.8700	 0.2980
E014	 0.8710	 0.3230
E015	 0.8810	 0.3510
E016	 0.9000	 0.3610
E017	 0.9020	 0.3660
E018	 0.8890	 0.3410
E019	 0.8770	 0.3230
E020	 0.8660	 0.2910
E021	 0.8710	 0.3020
E022	 0.8490	 0.2760

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Chain	Atom inclusion	Q-score
E023	 0.8610	 0.2830
E024	 0.8550	 0.2820
E025	 0.8580	 0.2890
E026	 0.8710	 0.3060
E027	 0.8940	 0.3470
E028	 0.9020	 0.3640
E029	 0.9010	 0.3730
E030	 0.9000	 0.3590
E031	 0.8970	 0.3570
E032	 0.8880	 0.3640
E033	 0.8940	 0.3630
E034	 0.8960	 0.3700
E035	 0.8950	 0.3630
E036	 0.8910	 0.3680
E037	 0.8880	 0.3520
E038	 0.8760	 0.3280
E039	 0.8710	 0.3280
E040	 0.8720	 0.3380
E041	 0.9030	 0.3580
E042	 0.9000	 0.3670
E043	 0.8960	 0.3600
E044	 0.8880	 0.3510
E045	 0.8940	 0.3590
E046	 0.8790	 0.3340
E047	 0.8660	 0.3080
E048	 0.8790	 0.3140
E049	 0.8770	 0.3230
E050	 0.8910	 0.3520
E051	 0.9000	 0.3590
E052	 0.8990	 0.3600
E053	 0.8920	 0.3600
E054	 0.8870	 0.3580
E055	 0.8850	 0.3300
E056	 0.8540	 0.2870
E057	 0.8730	 0.3060
E058	 0.8810	 0.3210
E059	 0.8850	 0.3370
E060	 0.8760	 0.3350
E061	 0.8840	 0.3330
E062	 0.8830	 0.3220
E063	 0.8750	 0.3270
E064	 0.8740	 0.3330

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Chain	Atom inclusion	Q-score
E065	 0.8920	 0.3630
E066	 0.8890	 0.3580
E067	 0.8840	 0.3560
E068	 0.8920	 0.3390
E069	 0.8770	 0.3280
E070	 0.8800	 0.3200
E071	 0.8570	 0.2770
E072	 0.8670	 0.2910
E073	 0.8700	 0.3080
E074	 0.8800	 0.3290
E075	 0.8960	 0.3600
E076	 0.8940	 0.3530
E077	 0.8960	 0.3400
E078	 0.8730	 0.3090
E079	 0.8610	 0.2760
E080	 0.8630	 0.2850
E081	 0.8510	 0.2660
E082	 0.8530	 0.2660
E083	 0.8480	 0.2670
E084	 0.8490	 0.2670
E085	 0.8650	 0.2960
E086	 0.8900	 0.3540
E087	 0.8860	 0.3530
E088	 0.8930	 0.3510
E089	 0.8810	 0.3460
E090	 0.8870	 0.3470
E091	 0.8850	 0.3470
E092	 0.8840	 0.3590
E093	 0.8870	 0.3500
E094	 0.8960	 0.3500
E095	 0.8950	 0.3520
E096	 0.8780	 0.3320
E097	 0.8670	 0.2930
E098	 0.8760	 0.3140
E099	 0.8700	 0.3120
E100	 0.8640	 0.3200
E101	 0.8910	 0.3480
E102	 0.8840	 0.3370
E103	 0.9110	 0.3670
E104	 0.8900	 0.3680
E105	 0.8970	 0.3660
E106	 0.8960	 0.3630

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Chain	Atom inclusion	Q-score
E107	 0.8950	 0.3630
E108	 0.8760	 0.3430
E109	 0.8820	 0.3510
E110	 0.8910	 0.3560
E111	 0.8910	 0.3650
E112	 0.8890	 0.3500
E113	 0.8870	 0.3590
E114	 0.8870	 0.3530
E115	 0.8930	 0.3690
E116	 0.8980	 0.3700
E117	 0.8840	 0.3320
E118	 0.8860	 0.3320
E119	 0.8720	 0.3200
E120	 0.8610	 0.2780
E121	 0.8680	 0.2940
E122	 0.8590	 0.2900
E123	 0.8620	 0.3070
E124	 0.8840	 0.3360
E125	 0.8690	 0.3290
E126	 0.8930	 0.3520
E127	 0.8900	 0.3520
E128	 0.8860	 0.3430
E129	 0.8950	 0.3470
E130	 0.8850	 0.3460
E131	 0.8820	 0.3430
E132	 0.8740	 0.3400
E133	 0.8820	 0.3410
E134	 0.8850	 0.3360
E135	 0.9010	 0.3550
E136	 0.9000	 0.3660
E137	 0.9040	 0.3660
E138	 0.8950	 0.3580
E139	 0.8860	 0.3530
E140	 0.9020	 0.3650
E141	 0.8860	 0.3590
E142	 0.8970	 0.3570
E143	 0.8880	 0.3530
E144	 0.8780	 0.3390
E145	 0.8800	 0.3490
E146	 0.8970	 0.3680
E147	 0.8890	 0.3610
E148	 0.8910	 0.3390

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Chain	Atom inclusion	Q-score
E149	 0.8900	 0.3340
E150	 0.8760	 0.3200
E151	 0.8610	 0.2770
E152	 0.8640	 0.2940
E153	 0.8540	 0.2770
E154	 0.8550	 0.3010
E155	 0.8820	 0.3340
E156	 0.8750	 0.3260
E157	 0.8960	 0.3570
E158	 0.8870	 0.3510
E159	 0.8880	 0.3540
E160	 0.8890	 0.3470
E161	 0.8870	 0.3430
E162	 0.8810	 0.3540
E163	 0.8840	 0.3560
E164	 0.8880	 0.3530
E165	 0.8810	 0.3520
E166	 0.8700	 0.3180
E167	 0.8750	 0.3260
E168	 0.8530	 0.2900
E169	 0.8350	 0.2520
E170	 0.8920	 0.3510
E171	 0.8940	 0.3590
E172	 0.8840	 0.3430
E173	 0.8920	 0.3530
E174	 0.8820	 0.3460
E175	 0.8790	 0.3280
E176	 0.8650	 0.2970
E177	 0.8750	 0.3220
E178	 0.8840	 0.3360
E179	 0.8900	 0.3400
E180	 0.8900	 0.3390
E181	 0.8830	 0.3130
E182	 0.8690	 0.2870
E183	 0.8640	 0.2930
E184	 0.8530	 0.2770
E185	 0.8520	 0.2790
E186	 0.8620	 0.2850
E187	 0.8740	 0.3170
E188	 0.8340	 0.2300
E189	 0.8450	 0.2510
E190	 0.8570	 0.2810

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Chain	Atom inclusion	Q-score
E191	 0.8670	 0.3090
E192	 0.8950	 0.3570
E193	 0.9050	 0.3680
E194	 0.9040	 0.3690
E195	 0.8990	 0.3640
E196	 0.9030	 0.3700
E197	 0.8860	 0.3590
E198	 0.8790	 0.3530
E199	 0.8940	 0.3620
E200	 0.8980	 0.3690
E201	 0.8890	 0.3490
E202	 0.8940	 0.3460
E203	 0.8820	 0.3440
E204	 0.8860	 0.3400
E205	 0.8790	 0.3370
E206	 0.8690	 0.3270
E207	 0.8780	 0.3320
E208	 0.8800	 0.3440
E209	 0.8760	 0.3480
E210	 0.8850	 0.3330
E211	 0.8820	 0.3280
E212	 0.8850	 0.3230
E213	 0.8620	 0.2820
E214	 0.8650	 0.2900
E215	 0.8750	 0.3150
E216	 0.8890	 0.3380
E217	 0.8940	 0.3590
E218	 0.8780	 0.3340
E219	 0.8800	 0.3400
E220	 0.8720	 0.3250
E221	 0.8870	 0.3320
E222	 0.8750	 0.3270
E223	 0.8750	 0.3250
E224	 0.8670	 0.3230
E225	 0.8710	 0.3310
E226	 0.8790	 0.3320
E227	 0.8990	 0.3480
E228	 0.8990	 0.3640
E229	 0.8940	 0.3630
E230	 0.8960	 0.3590
E231	 0.8840	 0.3590
E232	 0.8870	 0.3520

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Chain	Atom inclusion	Q-score
E233	 0.8890	 0.3550
E234	 0.8970	 0.3690
E235	 0.8980	 0.3660
E236	 0.8920	 0.3440
E237	 0.8780	 0.3370
E238	 0.8810	 0.3440
E239	 0.8820	 0.3480
E240	 0.8810	 0.3510
E241	 0.8800	 0.3410
E242	 0.8980	 0.3560
E243	 0.9000	 0.3610
E244	 0.8930	 0.3470
E245	 0.8970	 0.3650
E246	 0.8910	 0.3570
E247	 0.8690	 0.3070
E248	 0.8530	 0.2780
E249	 0.8670	 0.2880
E250	 0.8730	 0.3090
E251	 0.8780	 0.3230
E252	 0.8720	 0.3180
E253	 0.8750	 0.3050
E254	 0.8650	 0.2730
E255	 0.8630	 0.2760
E256	 0.8590	 0.2770
E257	 0.8620	 0.2940
E258	 0.8730	 0.3220
E259	 0.8730	 0.3210
E260	 0.8840	 0.3450
E261	 0.8870	 0.3480
E262	 0.8900	 0.3430
E263	 0.8950	 0.3640
E264	 0.8920	 0.3570
E265	 0.8900	 0.3610
E266	 0.8850	 0.3400
E267	 0.8700	 0.3030
E268	 0.8520	 0.2620
E269	 0.8550	 0.2720
E270	 0.8460	 0.2490
E271	 0.8370	 0.2480
E272	 0.8360	 0.2470
E273	 0.8460	 0.2650
E274	 0.8650	 0.2910

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Chain	Atom inclusion	Q-score
E275	 0.8980	 0.3590
E276	 0.8810	 0.3420
E277	 0.8760	 0.3420
E278	 0.8890	 0.3420
E279	 0.8840	 0.3210
E280	 0.8640	 0.2900
E281	 0.8670	 0.2900
E282	 0.8560	 0.2730
E283	 0.8500	 0.2750
E284	 0.8360	 0.2660
E285	 0.8570	 0.2750
E286	 0.8650	 0.3000
E287	 0.8730	 0.2980
E288	 0.8750	 0.3150
E289	 0.8280	 0.2320
E290	 0.8320	 0.2380
E291	 0.8680	 0.2830
E292	 0.8770	 0.3230
E293	 0.8760	 0.3210
E294	 0.8810	 0.3350
E295	 0.8840	 0.3450
E296	 0.8680	 0.3070
E297	 0.8360	 0.2590
E298	 0.8900	 0.3400
E299	 0.8890	 0.3320
E300	 0.8770	 0.3180
E301	 0.8770	 0.3310
E302	 0.8800	 0.3200
E303	 0.8600	 0.2970
E304	 0.8450	 0.2610
E305	 0.8630	 0.2910
E306	 0.8680	 0.3070
E307	 0.8990	 0.3560
E308	 0.8980	 0.3640
E309	 0.8960	 0.3550
E310	 0.8930	 0.3610
E311	 0.8940	 0.3610
E312	 0.8690	 0.3200
E313	 0.8570	 0.2890
E314	 0.8680	 0.3110
E315	 0.8640	 0.3090
E316	 0.8820	 0.3320

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Chain	Atom inclusion	Q-score
E317	 0.8810	 0.3430
E318	 0.8630	 0.2970
E319	 0.8350	 0.2590
E320	 0.8830	 0.3250
E321	 0.8750	 0.3250
E322	 0.8760	 0.3050
E323	 0.8730	 0.2790
E324	 0.8600	 0.2800
E325	 0.8610	 0.2750
E326	 0.8480	 0.2690
E327	 0.8690	 0.2850
E328	 0.8820	 0.3160
E329	 0.8990	 0.3570
E330	 0.9010	 0.3670
E331	 0.8940	 0.3650
E332	 0.8930	 0.3630
E333	 0.8920	 0.3610
E334	 0.8810	 0.3410
E335	 0.8780	 0.3460
E336	 0.8870	 0.3610
E337	 0.8870	 0.3590
E338	 0.8240	 0.2260
E339	 0.8380	 0.2330
E340	 0.8610	 0.3020
E341	 0.8410	 0.2630
E342	 0.8920	 0.3390
E343	 0.8780	 0.3430
E344	 0.8840	 0.3420
E345	 0.8880	 0.3500
E346	 0.8850	 0.3350
E347	 0.8720	 0.3160
E348	 0.8560	 0.2840
E349	 0.8740	 0.3090
E350	 0.8740	 0.3260
E351	 0.8860	 0.3310
E352	 0.8790	 0.3260
E353	 0.8750	 0.2990
E354	 0.8540	 0.2760
E355	 0.8510	 0.2720
E356	 0.8430	 0.2550
E357	 0.8450	 0.2640
E358	 0.8540	 0.2700

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Chain	Atom inclusion	Q-score
E359	 0.8660	 0.3020
E360	 0.8270	 0.2290
E361	 0.8350	 0.2450
E362	 0.8540	 0.2850
E363	 0.8790	 0.3290
E364	 0.8710	 0.3190
E365	 0.8770	 0.3360
E366	 0.8870	 0.3370
E367	 0.8900	 0.3350
E368	 0.8820	 0.3220
E369	 0.8810	 0.3310
E370	 0.8740	 0.3140
E371	 0.8560	 0.2920
E372	 0.8460	 0.2610
E373	 0.8650	 0.2900
E374	 0.8730	 0.3070
E375	 0.8970	 0.3490
E376	 0.8860	 0.3440
E377	 0.8760	 0.3230
E378	 0.8750	 0.2950
E379	 0.8660	 0.2920
E380	 0.8590	 0.2800
E381	 0.8560	 0.2830
E382	 0.8710	 0.3110
E383	 0.8690	 0.3230
E384	 0.8910	 0.3460
E385	 0.8800	 0.3430
E386	 0.8880	 0.3420
E387	 0.8830	 0.3380
E388	 0.8610	 0.3050
E389	 0.8470	 0.2830
E390	 0.8690	 0.3100
E391	 0.8850	 0.3350
E392	 0.8990	 0.3520
E393	 0.8840	 0.3490
E394	 0.8790	 0.3280
E395	 0.8770	 0.3050
E396	 0.8700	 0.2980
E397	 0.8600	 0.2980
E398	 0.8620	 0.2960
E399	 0.8740	 0.3170
E400	 0.8760	 0.3310

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Chain	Atom inclusion	Q-score
E401	 0.8330	 0.2370
E402	 0.8350	 0.2460
E403	 0.8540	 0.2810
E404	 0.8770	 0.3180
E405	 0.8720	 0.3100
E406	 0.8700	 0.3210
E407	 0.8720	 0.3240
E408	 0.8650	 0.2960
E409	 0.8370	 0.2570
E410	 0.9010	 0.3560
E411	 0.8670	 0.3090
E412	 0.8820	 0.3320
E413	 0.8940	 0.3560
E414	 0.8890	 0.3500
E415	 0.8940	 0.3500
E416	 0.8990	 0.3680
E417	 0.8930	 0.3590
E418	 0.9000	 0.3600
E419	 0.8810	 0.3480
E420	 0.8810	 0.3460
E421	 0.8820	 0.3550
E422	 0.8980	 0.3700
E423	 0.9000	 0.3680
E424	 0.8940	 0.3470
E425	 0.8910	 0.3460
E426	 0.8910	 0.3360
E427	 0.8680	 0.2970
E428	 0.8730	 0.3120
E429	 0.8700	 0.3100
E430	 0.8790	 0.3270
E431	 0.8860	 0.3460
E432	 0.8880	 0.3470
E433	 0.8900	 0.3270
E434	 0.8680	 0.3150
E435	 0.8730	 0.3100
E436	 0.8590	 0.2680
E437	 0.8600	 0.2810
E438	 0.8850	 0.3530
E439	 0.8890	 0.3470
E440	 0.8940	 0.3520
E441	 0.8810	 0.3530
E442	 0.8890	 0.3550

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Chain	Atom inclusion	Q-score
E443	 0.8730	 0.3380
E444	 0.8940	 0.3540
E445	 0.8840	 0.3470
E446	 0.8900	 0.3420
E447	 0.8820	 0.3230
E448	 0.8790	 0.3110
E449	 0.8590	 0.2640
E450	 0.8600	 0.2800
E451	 0.8750	 0.3080
E452	 0.8790	 0.3290
E453	 0.8950	 0.3560
E454	 0.8840	 0.3560
E455	 0.8890	 0.3380
E456	 0.8810	 0.3360
E457	 0.8830	 0.3290
E458	 0.8830	 0.3280
E459	 0.8800	 0.3230
E460	 0.8660	 0.3280
E461	 0.8770	 0.3290
E462	 0.8750	 0.3270
E463	 0.8750	 0.3310
E464	 0.8690	 0.3020
E465	 0.8730	 0.3210
E466	 0.8890	 0.3540
E467	 0.8880	 0.3560
E468	 0.9030	 0.3620
E469	 0.9050	 0.3720
E470	 0.8980	 0.3680
E471	 0.8980	 0.3650
E472	 0.8980	 0.3690
E473	 0.8850	 0.3580
E474	 0.8830	 0.3530
E475	 0.8890	 0.3620
E476	 0.8840	 0.3580
E477	 0.8980	 0.3550
E478	 0.9030	 0.3710
E479	 0.8960	 0.3610
E480	 0.8960	 0.3610
E481	 0.9010	 0.3680
E482	 0.8830	 0.3450
E483	 0.8760	 0.3430
E484	 0.8910	 0.3540

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Chain	Atom inclusion	Q-score
E485	 0.8950	 0.3580
E486	 0.8800	 0.3230
E487	 0.8820	 0.3170
E488	 0.8690	 0.3050
E489	 0.8480	 0.2580
E490	 0.8890	 0.3380
E491	 0.8780	 0.3650
E492	 0.8550	 0.3560
E493	 0.8590	 0.3550
E494	 0.8710	 0.3590
E495	 0.8850	 0.3630
E496	 0.8720	 0.3050
E497	 0.8670	 0.3570
E498	 0.8570	 0.3550
E499	 0.8640	 0.3560
E500	 0.8800	 0.3650
E501	 0.8820	 0.3670
E502	 0.8540	 0.2660
E503	 0.8740	 0.3560
E504	 0.8550	 0.3580
E505	 0.8560	 0.3590
E506	 0.8770	 0.3610
E507	 0.8900	 0.3700
E508	 0.8660	 0.2790
E509	 0.8730	 0.3620
E510	 0.8630	 0.3600
E511	 0.8600	 0.3600
E512	 0.8830	 0.3660
E513	 0.8810	 0.3630
E514	 0.8900	 0.3690
E515	 0.8690	 0.3620
E516	 0.8530	 0.3580
E517	 0.8590	 0.3560
E518	 0.8700	 0.3620
E519	 0.8720	 0.3680
E520	 0.8780	 0.3390
E521	 0.8760	 0.3380
E522	 0.8440	 0.2530
E523	 0.8580	 0.2820
E524	 0.8470	 0.2550
E525	 0.8390	 0.2500
E526	 0.8410	 0.2430

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Chain	Atom inclusion	Q-score
E527	 0.8860	 0.3420
E528	 0.8830	 0.3370
E529	 0.8760	 0.3380
E530	 0.8820	 0.3440
E531	 0.8910	 0.3430
E532	 0.8820	 0.3320
E533	 0.8780	 0.3290
E534	 0.8770	 0.3390
E535	 0.8740	 0.3430
F001	 0.9800	 0.0970
F002	 0.9780	 0.1000
F003	 0.9740	 0.1010
F004	 0.9750	 0.1020
F005	 0.9710	 0.0970
F006	 0.9730	 0.0990
G001	 0.6290	 0.2120
G002	 0.7100	 0.2140
G003	 0.6780	 0.2020
G004	 0.6900	 0.2110
G005	 0.6940	 0.2380
G006	 0.7220	 0.2420
G007	 0.6610	 0.2280
G008	 0.6820	 0.2360
G009	 0.7180	 0.2110
G010	 0.7470	 0.2520
G011	 0.7430	 0.2570
G012	 0.7470	 0.2450
G013	 0.7620	 0.2690
G014	 0.7670	 0.2590
G015	 0.7620	 0.2660
G016	 0.7450	 0.2520
G017	 0.7230	 0.2360
G018	 0.7380	 0.2500
G019	 0.7360	 0.2720
G020	 0.7510	 0.2510
G021	 0.7440	 0.2700
G022	 0.7470	 0.2590
G023	 0.6980	 0.2420
G024	 0.7400	 0.2570
H001	 0.7890	 0.3110
H002	 0.7880	 0.3100
H003	 0.7940	 0.3150

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Chain	Atom inclusion	Q-score
H004	 0.7860	 0.3070
H005	 0.7950	 0.3100
H006	 0.7910	 0.3110
H007	 0.7940	 0.3120
H008	 0.8000	 0.3170
H009	 0.7990	 0.3180
H010	 0.7980	 0.3190
H011	 0.8020	 0.3170
H012	 0.7950	 0.3160
I001	 0.8850	 0.3570
I002	 0.8760	 0.3420
I003	 0.9050	 0.3650
I004	 0.8900	 0.3510
I005	 0.8820	 0.3400
I006	 0.8850	 0.3600
I007	 0.8720	 0.3430
I008	 0.8830	 0.3540
I009	 0.8890	 0.3480
I010	 0.8860	 0.3460
J001	 0.8370	 0.3440
J002	 0.8110	 0.3140
J003	 0.8110	 0.3160
J004	 0.8080	 0.3120
J005	 0.8160	 0.3180
J006	 0.8090	 0.3170
J007	 0.8240	 0.3260
J008	 0.8130	 0.3120
J009	 0.8090	 0.3100
J010	 0.7920	 0.3140
J011	 0.7960	 0.3170
J012	 0.8080	 0.3130
K001	 0.8630	 0.3020
K002	 0.8600	 0.3020
K003	 0.8680	 0.3030
K004	 0.8590	 0.2920
K005	 0.8650	 0.3030
K006	 0.8530	 0.2970
K007	 0.8610	 0.3050
K008	 0.8640	 0.3000
K009	 0.8710	 0.2890
K010	 0.8530	 0.2880
K011	 0.8630	 0.3010

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Chain	Atom inclusion	Q-score
K012	 0.8560	 0.2890
L001	 0.9110	 0.2550
L002	 0.8980	 0.2490
L003	 0.9160	 0.2300
L004	 0.8900	 0.2320
L005	 0.9060	 0.2400
L006	 0.8970	 0.2480
L007	 0.9010	 0.2440
L008	 0.8940	 0.2400
L009	 0.9090	 0.2540
L010	 0.8990	 0.2510
L011	 0.9000	 0.2400
L012	 0.8960	 0.2340
M001	 0.9340	 0.1380
M002	 0.9180	 0.1720
M003	 0.9440	 0.1410
M004	 0.9160	 0.1710
M005	 0.9350	 0.1430
M006	 0.9230	 0.1730
M007	 0.9200	 0.1730
M008	 0.9430	 0.1470
M009	 0.9290	 0.1710
M010	 0.9480	 0.1420
M011	 0.9250	 0.1780
M012	 0.9510	 0.1460
M013	 0.9230	 0.1750
M014	 0.9450	 0.1430
M015	 0.9180	 0.1740
M016	 0.9430	 0.1420
M017	 0.9230	 0.1740
M018	 0.9450	 0.1420
M019	 0.9270	 0.1710
M020	 0.9490	 0.1450
M021	 0.9160	 0.1740
M022	 0.9430	 0.1380
M023	 0.9240	 0.1750
M024	 0.9410	 0.1470
O001	 0.8740	 0.2140
O002	 0.9040	 0.2080
O003	 0.9160	 0.2570
O004	 0.8850	 0.1890
O005	 0.9220	 0.2210

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Chain	Atom inclusion	Q-score
O006	 0.9280	 0.2640
O007	 0.9040	 0.2050
O008	 0.9400	 0.2180
O009	 0.9640	 0.2370
O010	 0.9450	 0.2270
O011	 0.9520	 0.2690
O012	 0.9080	 0.2410
O013	 0.9280	 0.2370
O014	 0.8900	 0.2290
O015	 0.9220	 0.2150
O016	 0.8850	 0.2180
O017	 0.8490	 0.2140
O018	 0.8610	 0.2170
O019	 0.9280	 0.2320
O020	 0.8990	 0.2160
O021	 0.9100	 0.1930
O022	 0.9280	 0.2620
O023	 0.8720	 0.2180
O024	 0.9040	 0.2540
O025	 0.9040	 0.2170
O026	 0.9400	 0.2780
O027	 0.8810	 0.2060
O028	 0.8850	 0.2250
O029	 0.9040	 0.2620
O030	 0.8990	 0.2340
O031	 0.9280	 0.2330
O032	 0.8980	 0.2020
O033	 0.8580	 0.2090
O034	 0.8680	 0.2100
O035	 0.8610	 0.2380
O036	 0.8670	 0.2110
P001	 0.8810	 0.2710
P002	 0.9020	 0.2480
P003	 0.8690	 0.2710
P004	 0.9190	 0.2600
P005	 0.8930	 0.2840
P006	 0.9170	 0.2560
P007	 0.8690	 0.2560
P008	 0.9240	 0.2670
P009	 0.8750	 0.2800
P010	 0.9020	 0.2550
P011	 0.8890	 0.2820

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Chain	Atom inclusion	Q-score
P012	 0.9130	 0.2590
P013	 0.8800	 0.2600
P014	 0.9050	 0.2380
P015	 0.8780	 0.2640
P016	 0.9160	 0.2620
P017	 0.8610	 0.2710
P018	 0.8920	 0.2550
P019	 0.8790	 0.2860
P020	 0.9210	 0.2700
P021	 0.8730	 0.2590
P022	 0.9060	 0.2570
P023	 0.8890	 0.2780
P024	 0.9120	 0.2490
Q001	 0.9020	 0.2690
Q002	 0.9030	 0.3100
Q003	 0.8990	 0.2880
Q004	 0.8860	 0.2880
Q005	 0.8980	 0.2760
Q006	 0.8930	 0.2900
Q007	 0.8980	 0.2870
Q008	 0.8870	 0.2780
Q009	 0.8840	 0.2810
Q010	 0.8770	 0.2980
Q011	 0.8770	 0.2520
Q012	 0.8840	 0.2720