



## Full wwPDB EM Validation Report ⓘ

Mar 16, 2024 – 06:01 am GMT

PDB ID : 8CKB  
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](mailto: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>.

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

EMDB validation analysis : 0.0.1.dev70  
MolProbity : **FAILED**  
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)  
MapQ : **FAILED**  
Ideal geometry (proteins) : Engh & Huber (2001)  
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)  
Validation Pipeline (wwPDB-VP) : 2.36

## 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.

There are no overall percentile quality scores available for this entry.

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

## 2 Entry composition [i](#)

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

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

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

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

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

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Mol	Chain	Residues	Atoms					AltConf	Trace
			Total	C	N	O	S		
3	B088	58	461	292	78	90	1	0	0
3	B089	58	461	292	78	90	1	0	0
3	B090	58	461	292	78	90	1	0	0
3	B091	58	461	292	78	90	1	0	0
3	B092	58	461	292	78	90	1	0	0
3	B093	58	461	292	78	90	1	0	0
3	B094	58	461	292	78	90	1	0	0
3	B095	58	461	292	78	90	1	0	0
3	B096	58	461	292	78	90	1	0	0
3	B097	58	461	292	78	90	1	0	0
3	B098	58	461	292	78	90	1	0	0
3	B099	58	461	292	78	90	1	0	0
3	B100	58	461	292	78	90	1	0	0
3	B101	58	461	292	78	90	1	0	0
3	B102	58	461	292	78	90	1	0	0
3	B103	58	461	292	78	90	1	0	0
3	B104	58	461	292	78	90	1	0	0
3	B105	58	461	292	78	90	1	0	0
3	B106	58	461	292	78	90	1	0	0
3	B107	58	461	292	78	90	1	0	0
3	B108	58	461	292	78	90	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
			Total	C	N	O	S		
4	C018	38	310	201	51	56	2	0	0
4	C019	38	310	201	51	56	2	0	0
4	C020	38	310	201	51	56	2	0	0
4	C021	38	310	201	51	56	2	0	0
4	C022	38	310	201	51	56	2	0	0
4	C023	38	310	201	51	56	2	0	0
4	C024	38	310	201	51	56	2	0	0
4	C025	38	310	201	51	56	2	0	0
4	C026	38	310	201	51	56	2	0	0
4	C027	38	310	201	51	56	2	0	0
4	C028	38	310	201	51	56	2	0	0
4	C029	38	310	201	51	56	2	0	0
4	C030	38	310	201	51	56	2	0	0
4	C031	38	310	201	51	56	2	0	0
4	C032	38	310	201	51	56	2	0	0
4	C033	38	310	201	51	56	2	0	0
4	C034	38	310	201	51	56	2	0	0
4	C035	38	310	201	51	56	2	0	0
4	C036	38	310	201	51	56	2	0	0
4	C037	38	310	201	51	56	2	0	0
4	C038	38	310	201	51	56	2	0	0

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

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

- Molecule 5 is a protein called Muzzle bound helix.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M011	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M012	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M013	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M014	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M015	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M016	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M017	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M018	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M019	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M020	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M021	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M022	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M023	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		
14	M024	238	Total	C	N	O	S	0	0
			1878	1185	312	377	4		

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

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

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

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

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

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

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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
			Total	C	N	O	S		
17	Q004	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q005	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q006	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q007	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q008	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q009	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q010	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q011	107	Total 878	C 560	N 134	O 175	S 9	0	0
17	Q012	107	Total 878	C 560	N 134	O 175	S 9	0	0

- Molecule 18 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

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

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

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

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

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

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

## 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](#)

validation-pack failed to run properly - this section is therefore empty.

### 4.5 Carbohydrates [i](#)

validation-pack failed to run properly - this section is therefore empty.

### 4.6 Ligand geometry [i](#)

validation-pack failed to run properly - this section is therefore empty.

### 4.7 Other polymers [i](#)

validation-pack failed to run properly - this section is therefore empty.

## 4.8 Polymer linkage issues

There are no chain breaks in this entry.



## 5 Map visualisation

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

This section was not generated.

### 5.2 Central slices

This section was not generated.

### 5.3 Largest variance slices

This section was not generated.

### 5.4 Orthogonal standard-deviation projections (False-color)

This section was not generated.

### 5.5 Orthogonal surface views

This section was not generated.

### 5.6 Mask visualisation

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

## 6 Map analysis

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

### 6.1 Map-value distribution

This section was not generated.

### 6.2 Volume estimate versus contour level

This section was not generated.

### 6.3 Rotationally averaged power spectrum

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

## 7 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

## 8 Map-model fit

This section was not generated.