



wwPDB EM Validation Summary Report ⓘ

Mar 9, 2026 – 09:50 PM UTC

PDB ID : 8ET1 / pdb_00008et1
EMDB ID : EMD-28583
Title : CryoEM structure of GSDMB pore without transmembrane beta-barrel
Authors : Wang, C.; Ruan, J.
Deposited on : 2022-10-15
Resolution : 4.48 Å(reported)

This is a wwPDB EM Validation Summary 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 : 4-5-2 with Phenix2.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics : 202505.v01 (Using data in the EMDb archive up until May 2025)
MapQ : 1.9.13
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

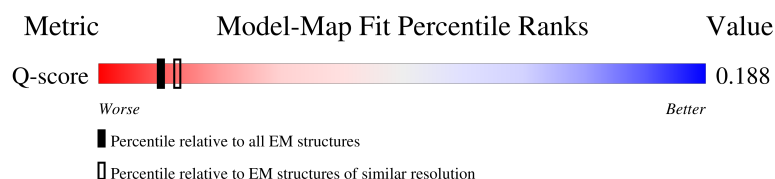
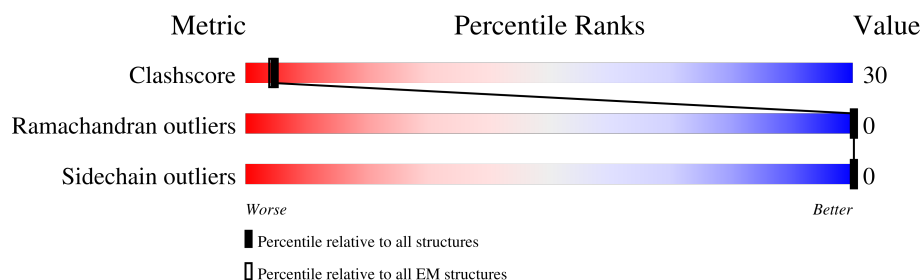
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

ELECTRON MICROSCOPY

The reported resolution of this entry is 4.48 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



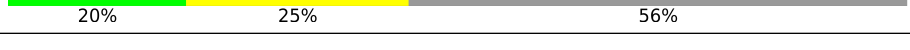
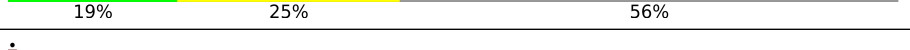
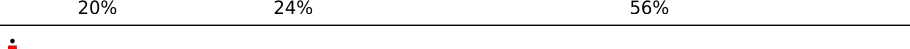
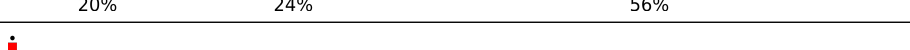
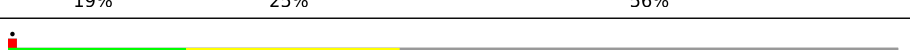
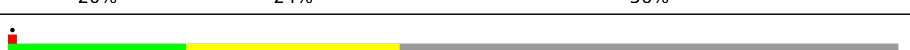
Metric	Whole archive (#Entries)	EM structures (#Entries)	Similar EM resolution (#Entries, resolution range(Å))
Clashscore	229148	23984	-
Ramachandran outliers	224038	23583	-
Sidechain outliers	223484	23102	-
Q-score	-	25397	2912 (3.99 - 4.98)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the EM map (all-atom inclusion $< 40\%$). The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	411	
1	B	411	
1	C	411	
1	D	411	

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Mol	Chain	Length	Quality of chain
1	E	411	
1	F	411	
1	G	411	
1	H	411	
1	I	411	
1	J	411	
1	K	411	
1	L	411	
1	M	411	
1	N	411	
1	O	411	
1	P	411	
1	Q	411	
1	R	411	
1	S	411	
1	T	411	
1	U	411	
1	V	411	
1	W	411	
1	X	411	

2 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 35976 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 Isoform 1 of Gasdermin-B.

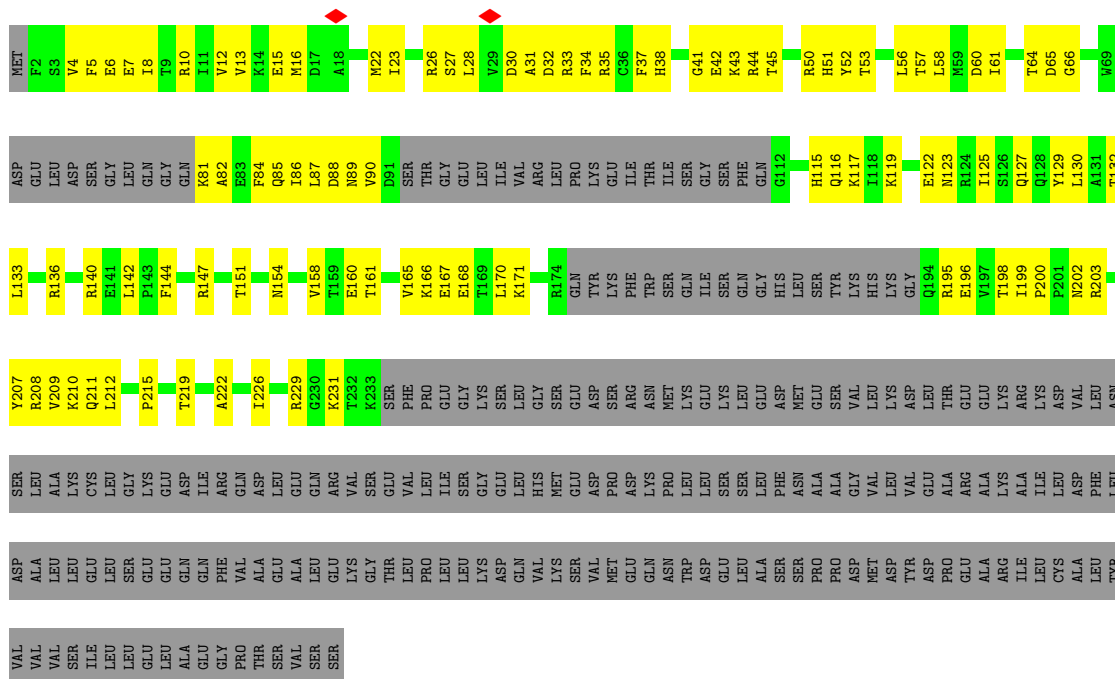
Mol	Chain	Residues	Atoms					AltConf	Trace
1	A	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	B	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	C	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	D	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	E	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	F	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	G	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	H	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	I	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	J	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	K	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	L	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	M	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	N	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	O	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	P	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	Q	182	Total 1499	C 948	N 268	O 277	S 6	0	0

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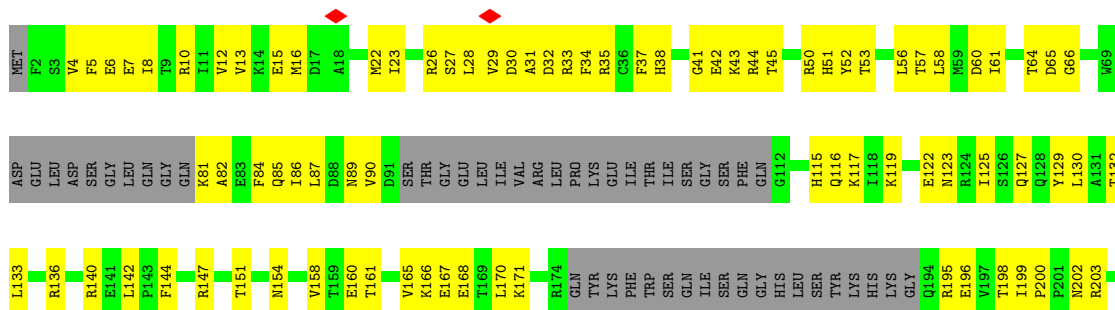
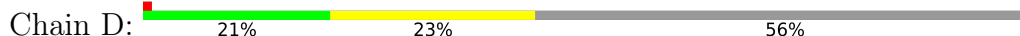
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Mol	Chain	Residues	Atoms					AltConf	Trace
1	R	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	S	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	T	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	U	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	V	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	W	182	Total 1499	C 948	N 268	O 277	S 6	0	0
1	X	182	Total 1499	C 948	N 268	O 277	S 6	0	0

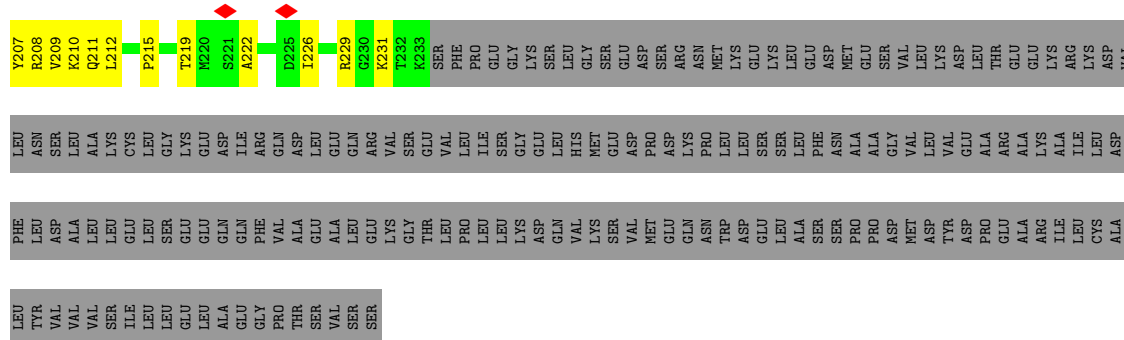
- Molecule 1: Isoform 1 of Gasdermin-B



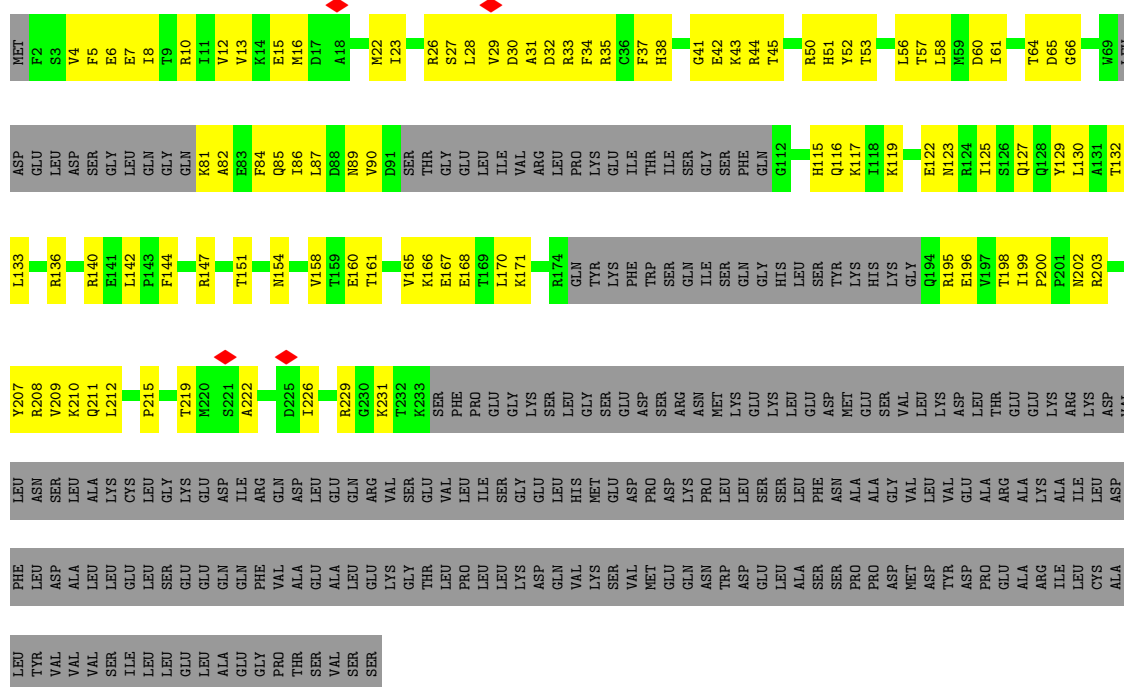
- Molecule 1: Isoform 1 of Gasdermin-B



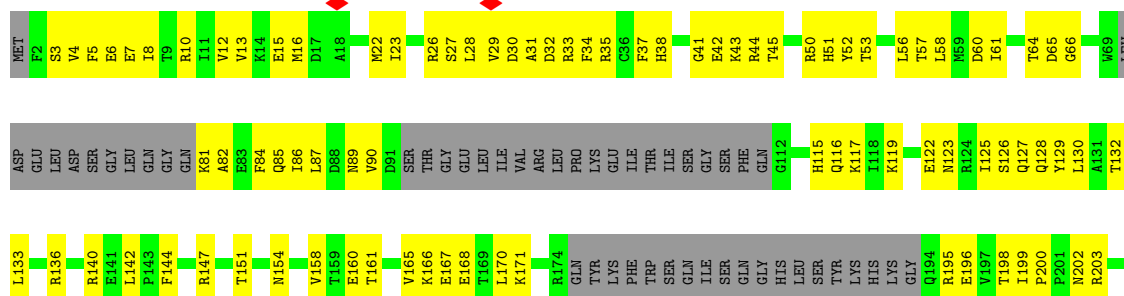


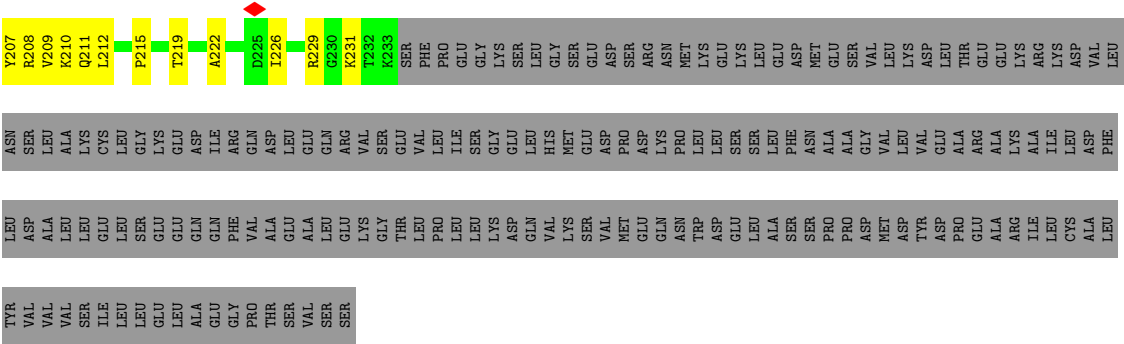


• Molecule 1: Isoform 1 of Gasdermin-B

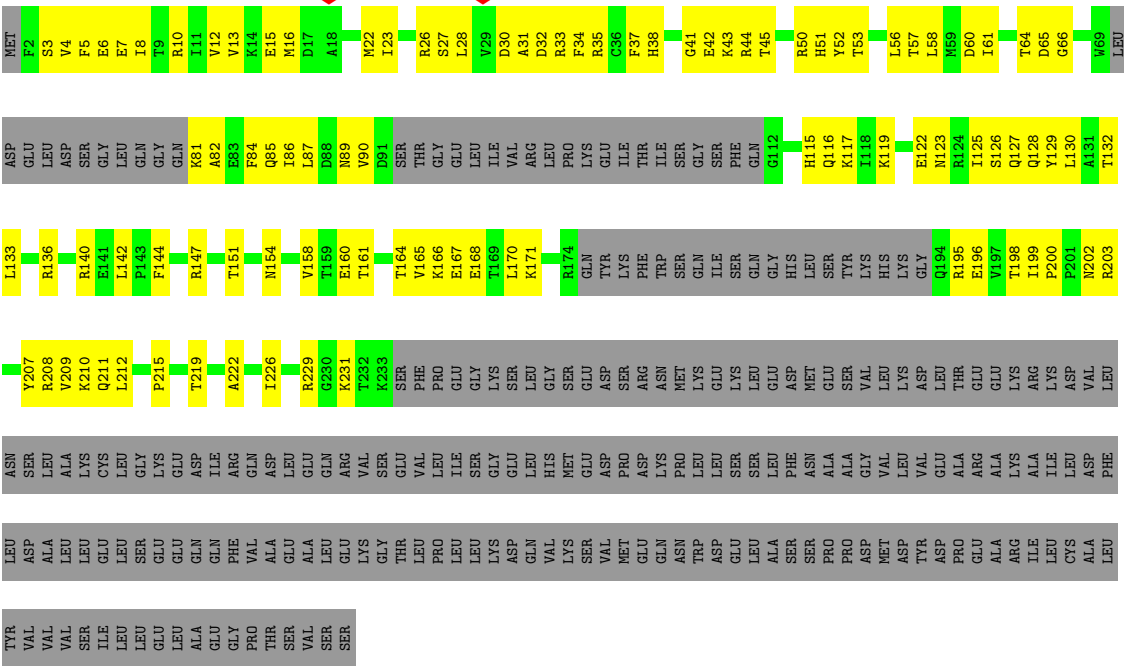


• Molecule 1: Isoform 1 of Gasdermin-B

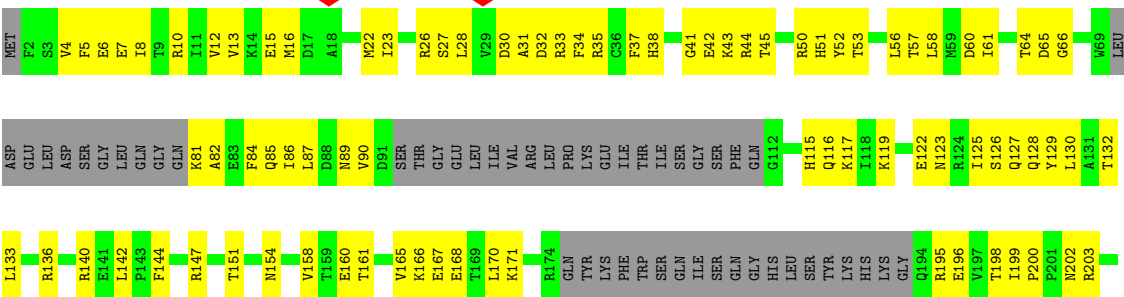




• Molecule 1: Isoform 1 of Gasdermin-B



• Molecule 1: Isoform 1 of Gasdermin-B



ALA	LEU	TYR	VAL	VAL	VAL	SER	ILE	LEU	LEU	LEU	GLU	LEU	ALA	GLY	PRO	THR	SER	SER	SER	SER	ALA	ASP	PHE	LEU	ASP	ALA	LEU	LEU	GLY	LEU	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN	GLN
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● Molecule 1: Isoform 1 of Gasdermin-B

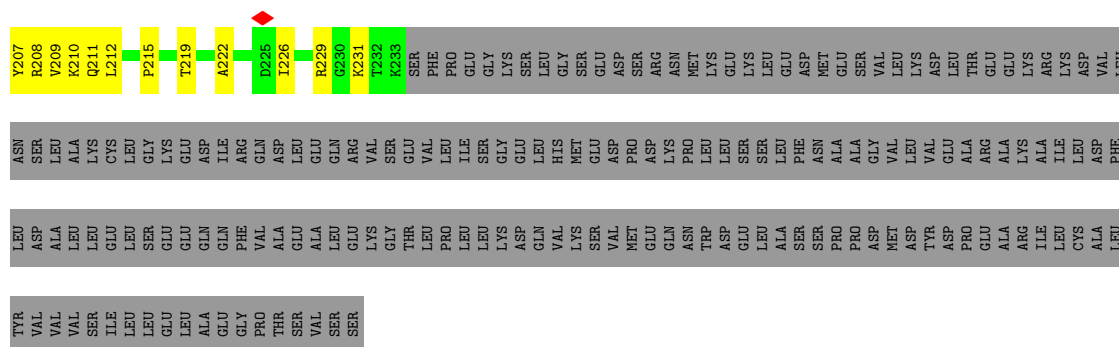


MET	F2	S3	V4	F5	E6	E7	I8	T9	R10	I11	V12	V13	K14	E15	M16	D17	A18	M22	I23	R26	S27	L28	V29	D30	A31	D32	R33	F34	R35	G36	F37	H38	G41	E42	K43	R44	T45	R50	H51	Y52	T53	L56	T57	L58	M59	D60	I61	T64	D65	G66	V69	LEU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
ASP	GLU	LEU	ASP	ASP	GLY	LEU	GLN	GLY	GLN	R81	A82	F83	F84	Q85	T86	L87	D88	N89	V90	D91	THR	GLY	GLU	ILE	VAL	ARG	LEU	PRO	LYS	ILE	THR	ILE	SER	SER	GLY	SER	PHE	GLN	G112	H115	Q116	K117	I118	K119	E122	M123	R124	I125	S126	Q127	Q128	Y129	L130	A131	T132	W69	LEU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
L133	R136	R140	E141	L142	F143	F144	R147	T151	M154	V158	T159	E160	T161	T164	V165	E167	E168	T169	K171	R174	GLN	TYR	PHE	TRP	SER	GLN	ILE	SER	GLN	GLY	HIS	LEU	SER	TYR	LYS	HIS	LYS	GLY	Q194	R195	E196	V197	T198	I199	P200	P201	N202	R203	ARG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Y207	R208	V209	K210	Q211	L212	P215	T219	M220	S221	K222	G223	L224	D225	I226	R229	G230	K231	T232	K233	SER	PHE	PRO	GLU	GLY	LYS	ASP	GLU	SER	GLN	HIS	LEU	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY	GLY

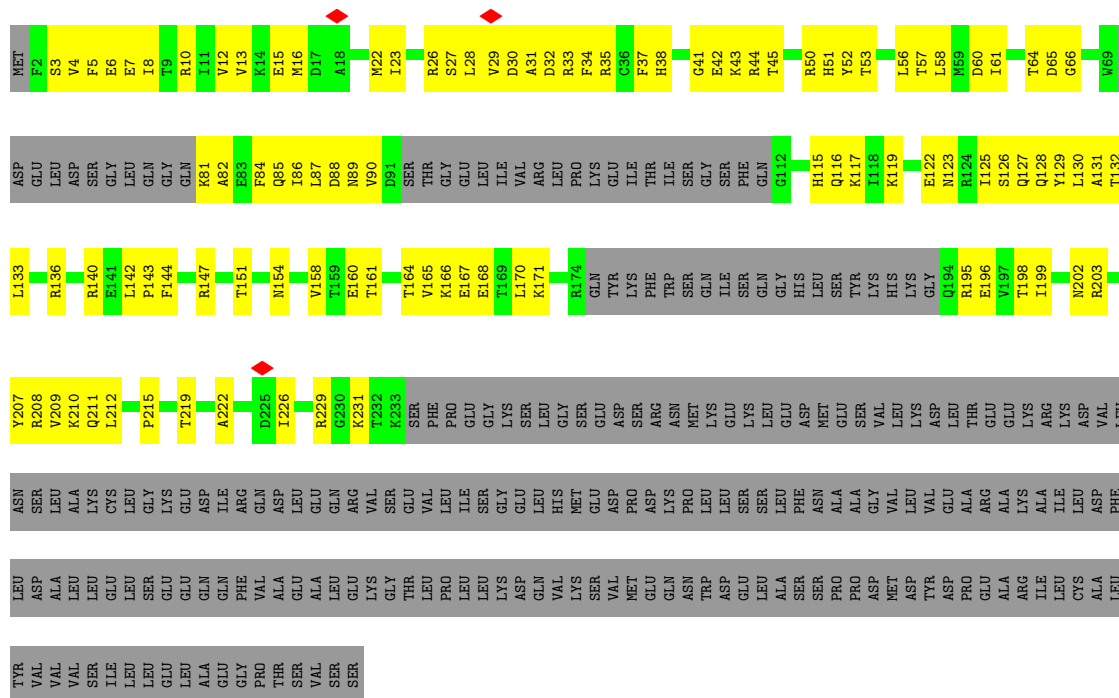
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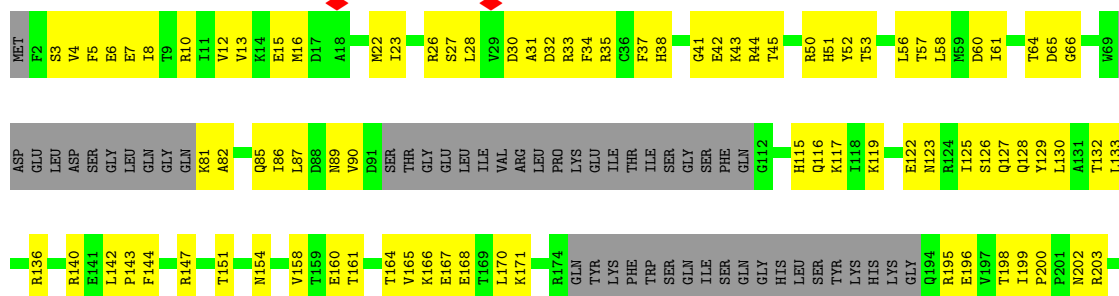
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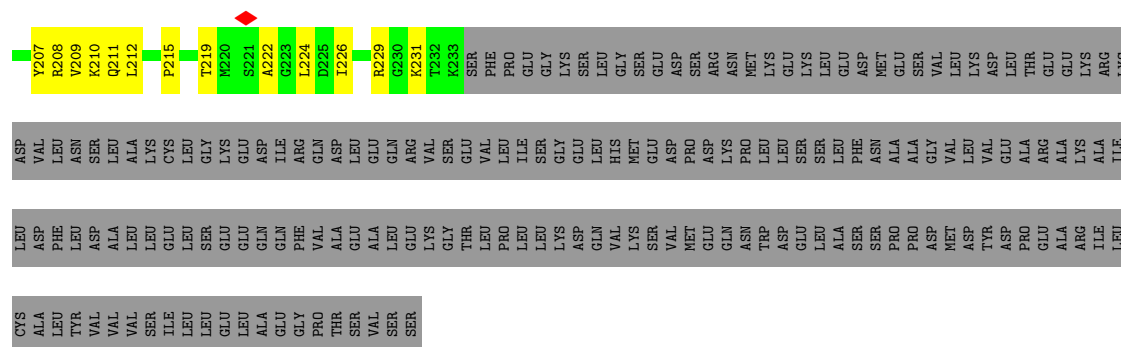
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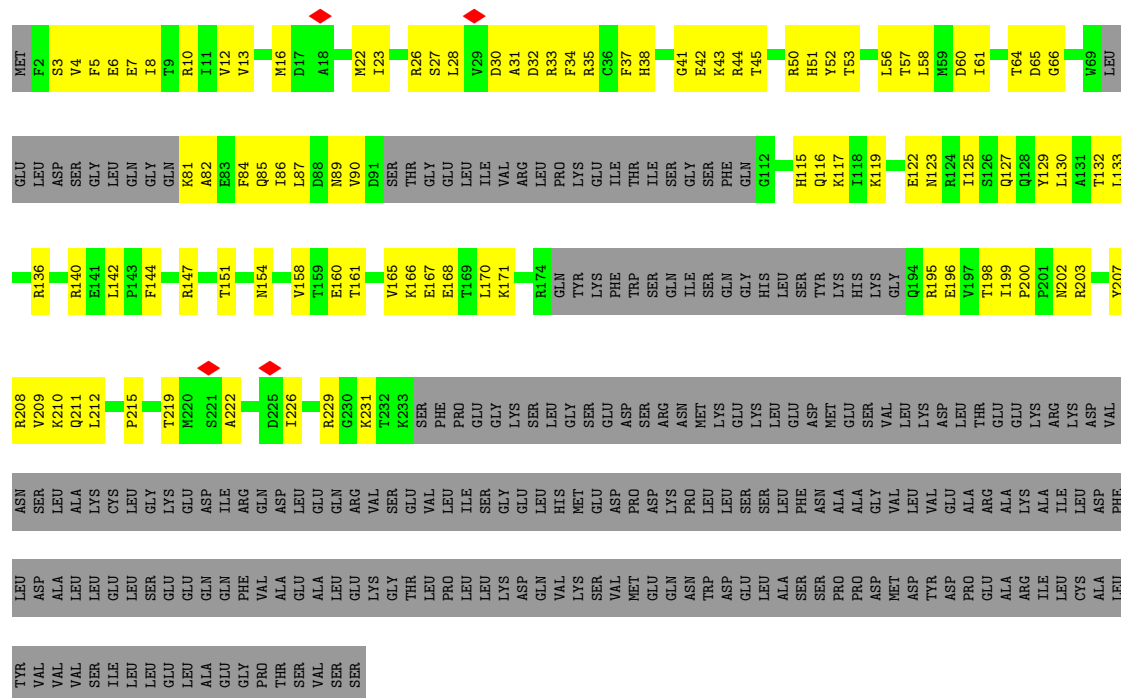
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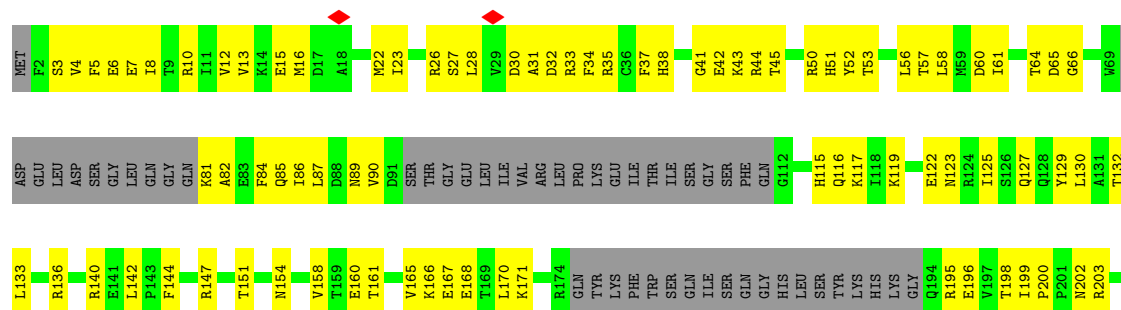




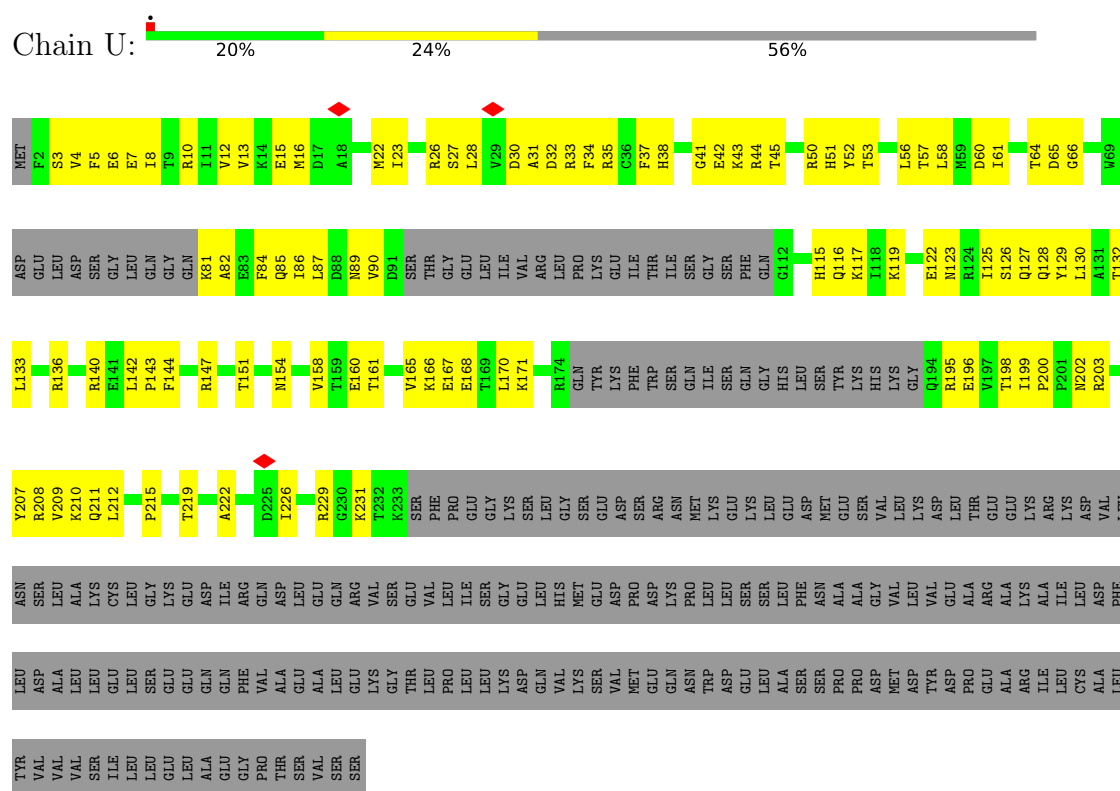
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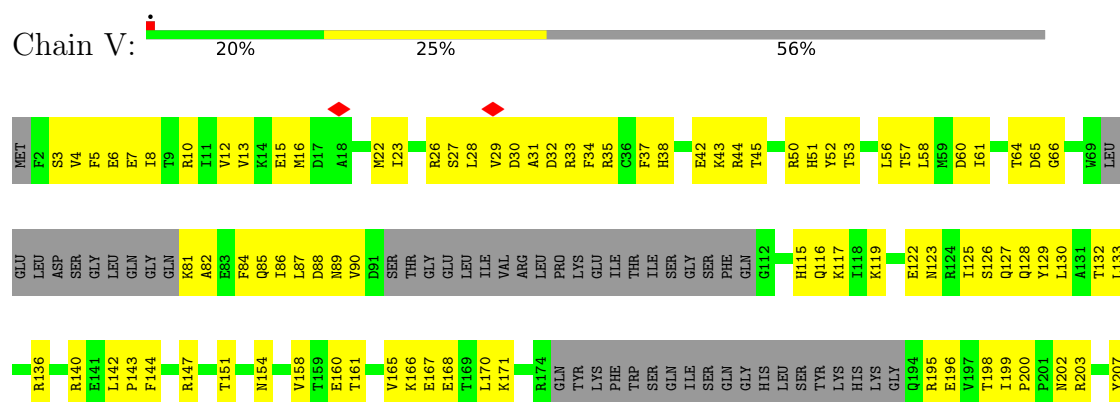
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- Molecule 1: Isoform 1 of Gasdermin-B



- Molecule 1: Isoform 1 of Gasdermin-B



LEU	TYR	VAL	VAL	VAL	SER	ILE	LEU	LEU	LEU	GLU	LEU	ALA	GLY	PRO	THR	SER	VAL	SER	SER	SER	LEU	ASN	SER	LEU	ALA	LYS	CYS	LEU	SER	GLY	LYS	GLU	ASP	ILE	ARG	GLN	ASP	LEU	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL	SER	GLY	THR	LEU	VAL	GLU	GLN	ARG	VAL</
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4 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, Not provided	
Number of particles used	41799	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	NONE	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	50	Depositor
Minimum defocus (nm)	1000	Depositor
Maximum defocus (nm)	2000	Depositor
Magnification	Not provided	
Image detector	GATAN K3 BIOQUANTUM (6k x 4k)	Depositor
Maximum map value	0.732	Depositor
Minimum map value	-0.483	Depositor
Average map value	0.003	Depositor
Map value standard deviation	0.031	Depositor
Recommended contour level	0.15	Depositor
Map size ($\text{\AA}$)	424.96, 424.96, 424.96	wwPDB
Map dimensions	256, 256, 256	wwPDB
Map angles ($^\circ$)	90.0, 90.0, 90.0	wwPDB
Pixel spacing ($\text{\AA}$)	1.66, 1.66, 1.66	Depositor

5 Model quality

5.1 Standard geometry

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\# Z > 5$	RMSZ	$\# Z > 5$
1	A	0.17	0/1522	0.49	0/2040
1	B	0.17	0/1522	0.49	0/2040
1	C	0.17	0/1522	0.49	0/2040
1	D	0.17	0/1522	0.49	0/2040
1	E	0.17	0/1522	0.49	0/2040
1	F	0.17	0/1522	0.49	0/2040
1	G	0.17	0/1522	0.49	0/2040
1	H	0.17	0/1522	0.49	0/2040
1	I	0.17	0/1522	0.49	0/2040
1	J	0.17	0/1522	0.49	0/2040
1	K	0.17	0/1522	0.49	0/2040
1	L	0.17	0/1522	0.49	0/2040
1	M	0.17	0/1522	0.49	0/2040
1	N	0.17	0/1522	0.49	0/2040
1	O	0.17	0/1522	0.49	0/2040
1	P	0.17	0/1522	0.49	0/2040
1	Q	0.17	0/1522	0.49	0/2040
1	R	0.17	0/1522	0.49	0/2040
1	S	0.17	0/1522	0.49	0/2040
1	T	0.17	0/1522	0.49	0/2040
1	U	0.17	0/1522	0.49	0/2040
1	V	0.17	0/1522	0.49	0/2040
1	W	0.17	0/1522	0.49	0/2040
1	X	0.17	0/1522	0.49	0/2040
All	All	0.17	0/36528	0.49	0/48960

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	1499	0	1509	91	0
1	B	1499	0	1509	98	0
1	C	1499	0	1509	94	0
1	D	1499	0	1509	92	0
1	E	1499	0	1509	95	0
1	F	1499	0	1509	94	0
1	G	1499	0	1509	93	0
1	H	1499	0	1509	92	0
1	I	1499	0	1509	94	0
1	J	1499	0	1509	92	0
1	K	1499	0	1509	118	0
1	L	1499	0	1509	123	0
1	M	1499	0	1509	96	0
1	N	1499	0	1509	96	0
1	O	1499	0	1509	97	0
1	P	1499	0	1509	97	0
1	Q	1499	0	1509	106	0
1	R	1499	0	1509	106	0
1	S	1499	0	1509	90	0
1	T	1499	0	1509	92	0
1	U	1499	0	1509	95	0
1	V	1499	0	1509	95	0
1	W	1499	0	1509	99	0
1	X	1499	0	1509	99	0
All	All	35976	0	36216	2166	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 30.

The worst 5 of 2166 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:U:195:ARG:HH22	1:V:86:ILE:HG23	1.17	1.07
1:K:168:GLU:HG2	1:L:85:GLN:HE21	1.20	1.02
1:V:195:ARG:HH22	1:W:86:ILE:HG23	1.26	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:F:195:ARG:HH22	1:G:86:ILE:HG23	1.29	0.97
1:A:195:ARG:HH22	1:B:86:ILE:HG23	1.31	0.94

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

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

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	174/411 (42%)	155 (89%)	19 (11%)	0	100	100
1	B	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	C	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	D	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	E	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	F	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	G	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	H	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	I	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	J	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	K	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	L	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	M	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	N	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	O	174/411 (42%)	153 (88%)	21 (12%)	0	100	100
1	P	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	Q	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	R	174/411 (42%)	155 (89%)	19 (11%)	0	100	100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	S	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	T	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	U	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	V	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	W	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
1	X	174/411 (42%)	154 (88%)	20 (12%)	0	100	100
All	All	4176/9864 (42%)	3697 (88%)	479 (12%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains ⓘ

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

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	167/370 (45%)	167 (100%)	0	100	100
1	B	167/370 (45%)	167 (100%)	0	100	100
1	C	167/370 (45%)	167 (100%)	0	100	100
1	D	167/370 (45%)	167 (100%)	0	100	100
1	E	167/370 (45%)	167 (100%)	0	100	100
1	F	167/370 (45%)	167 (100%)	0	100	100
1	G	167/370 (45%)	167 (100%)	0	100	100
1	H	167/370 (45%)	167 (100%)	0	100	100
1	I	167/370 (45%)	167 (100%)	0	100	100
1	J	167/370 (45%)	167 (100%)	0	100	100
1	K	167/370 (45%)	167 (100%)	0	100	100
1	L	167/370 (45%)	167 (100%)	0	100	100
1	M	167/370 (45%)	167 (100%)	0	100	100
1	N	167/370 (45%)	167 (100%)	0	100	100
1	O	167/370 (45%)	167 (100%)	0	100	100

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	P	167/370 (45%)	167 (100%)	0	100	100
1	Q	167/370 (45%)	167 (100%)	0	100	100
1	R	167/370 (45%)	167 (100%)	0	100	100
1	S	167/370 (45%)	167 (100%)	0	100	100
1	T	167/370 (45%)	167 (100%)	0	100	100
1	U	167/370 (45%)	167 (100%)	0	100	100
1	V	167/370 (45%)	167 (100%)	0	100	100
1	W	167/370 (45%)	167 (100%)	0	100	100
1	X	167/370 (45%)	167 (100%)	0	100	100
All	All	4008/8880 (45%)	4008 (100%)	0	100	100

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

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 103 such sidechains are listed below:

Mol	Chain	Res	Type
1	N	154	ASN
1	R	85	GLN
1	X	115	HIS
1	O	115	HIS
1	P	154	ASN

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

5.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

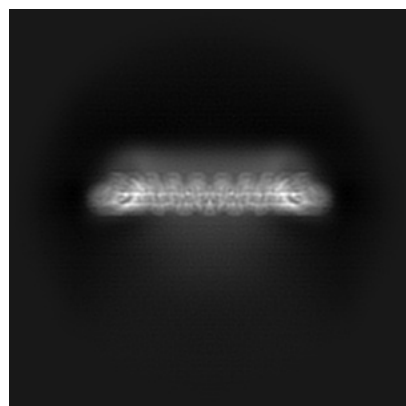
6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-28583. These allow visual inspection of the internal detail of the map and identification of artifacts.

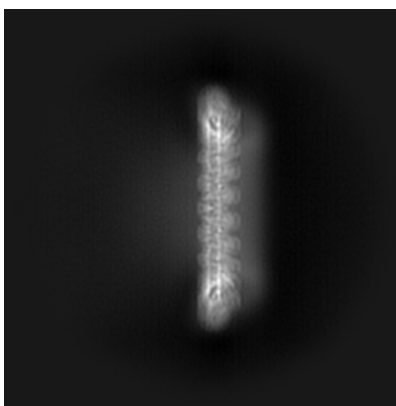
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

6.1 Orthogonal projections [i](#)

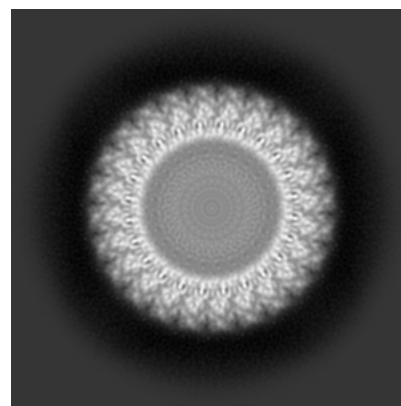
6.1.1 Primary map



X

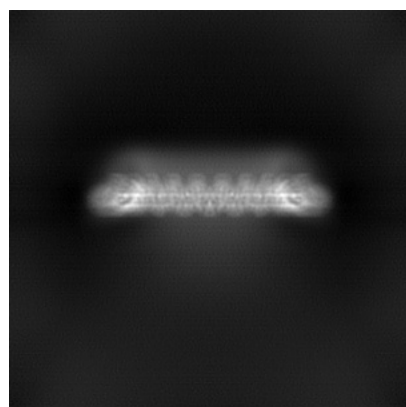


Y

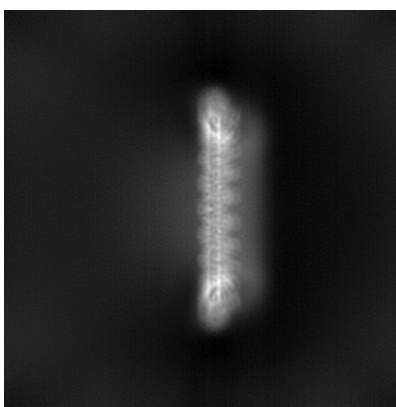


Z

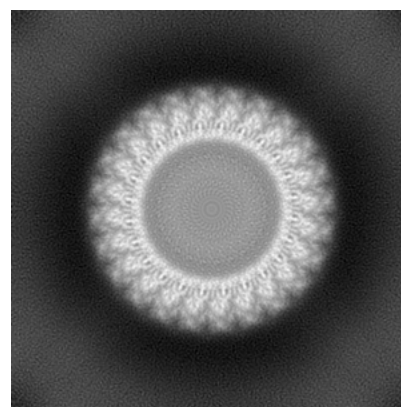
6.1.2 Raw map



X



Y

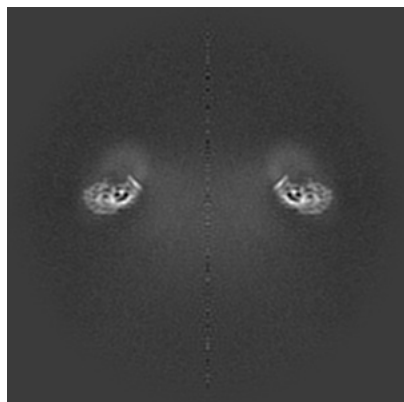


Z

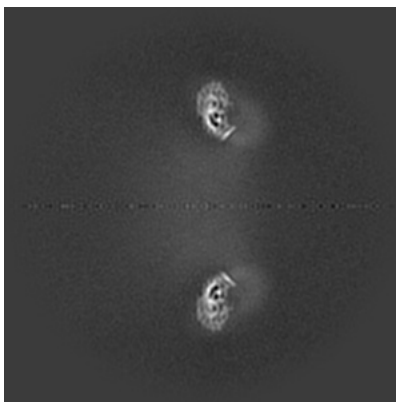
The images above show the map projected in three orthogonal directions.

6.2 Central slices [i](#)

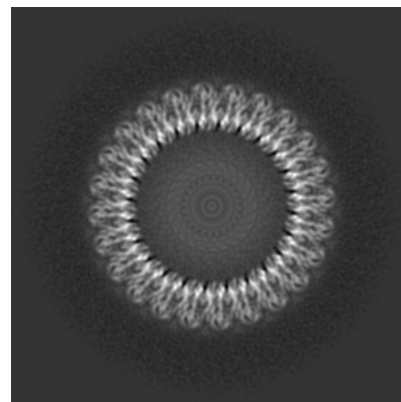
6.2.1 Primary map



X Index: 128

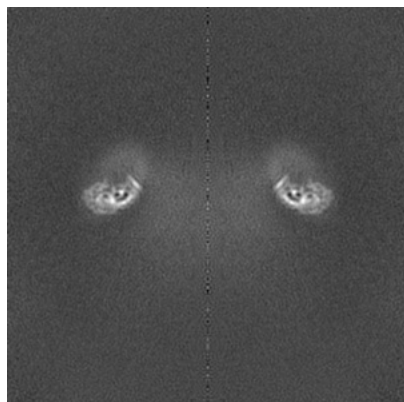


Y Index: 128

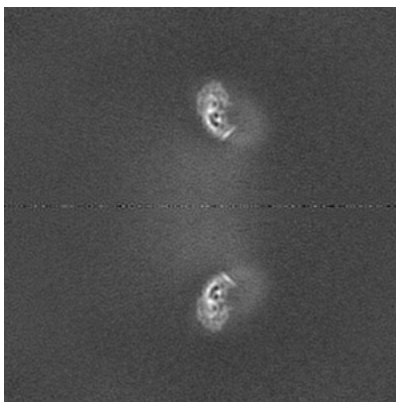


Z Index: 128

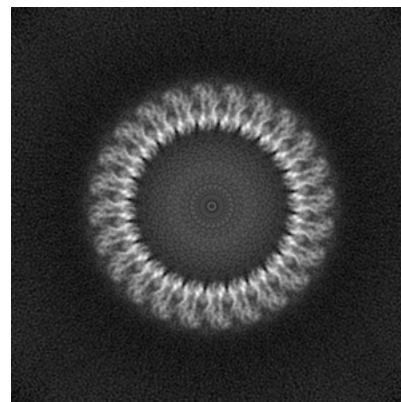
6.2.2 Raw map



X Index: 128



Y Index: 128

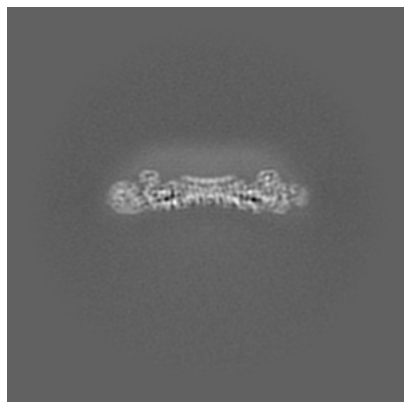


Z Index: 128

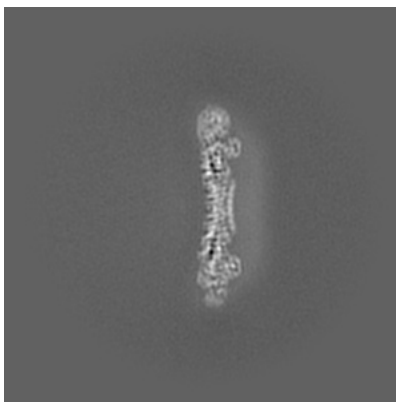
The images above show central slices of the map in three orthogonal directions.

6.3 Largest variance slices [i](#)

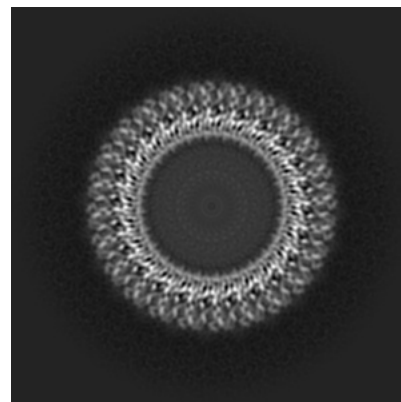
6.3.1 Primary map



X Index: 80



Y Index: 80

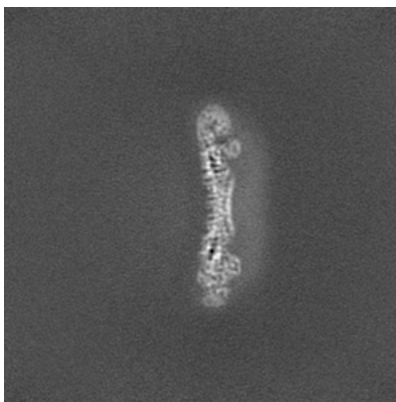


Z Index: 137

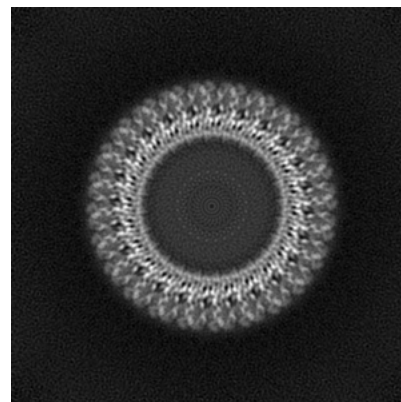
6.3.2 Raw map



X Index: 175



Y Index: 81

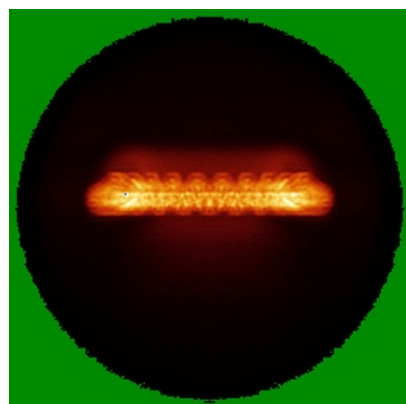


Z Index: 137

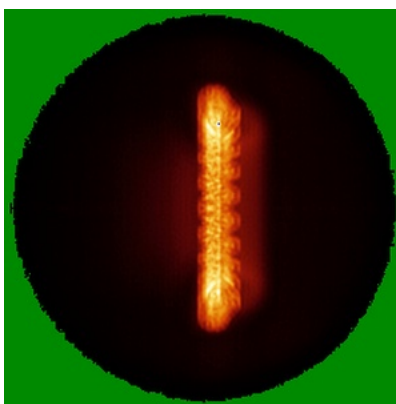
The images above show the largest variance slices of the map in three orthogonal directions.

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

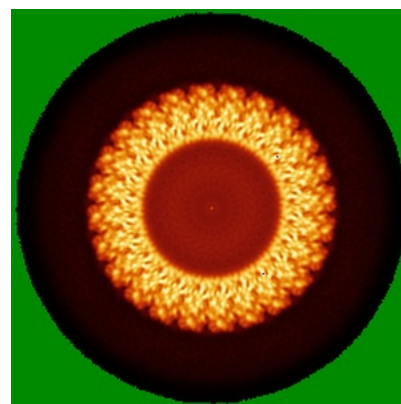
6.4.1 Primary map



X

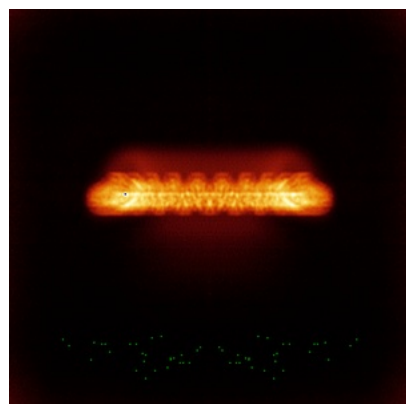


Y

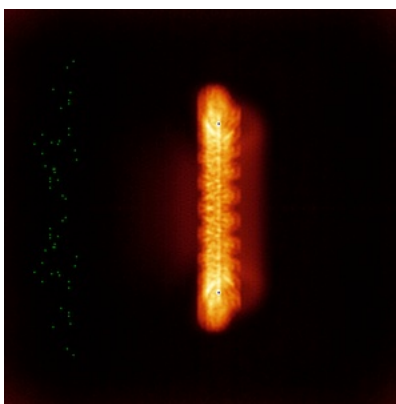


Z

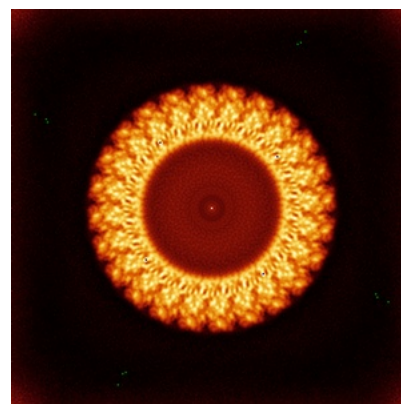
6.4.2 Raw map



X



Y



Z

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

6.5 Orthogonal surface views [i](#)

6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.15. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.5.2 Raw map



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

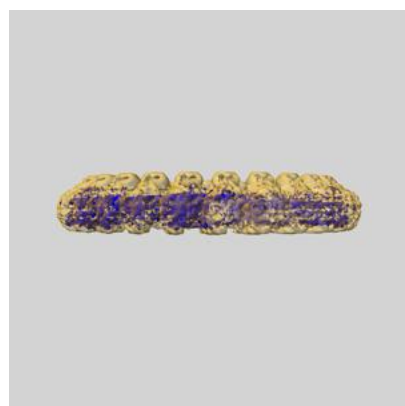
6.6 Mask visualisation [i](#)

This section shows the 3D surface view of the primary map at 50% transparency overlaid with the specified mask at 0% transparency

A mask typically either:

- Encompasses the whole structure
- Separates out a domain, a functional unit, a monomer or an area of interest from a larger structure

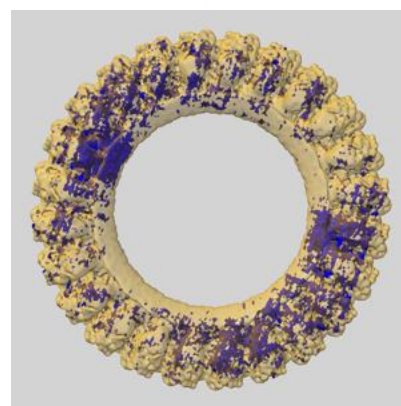
6.6.1 emd_28583_msk_1.map [i](#)



X



Y

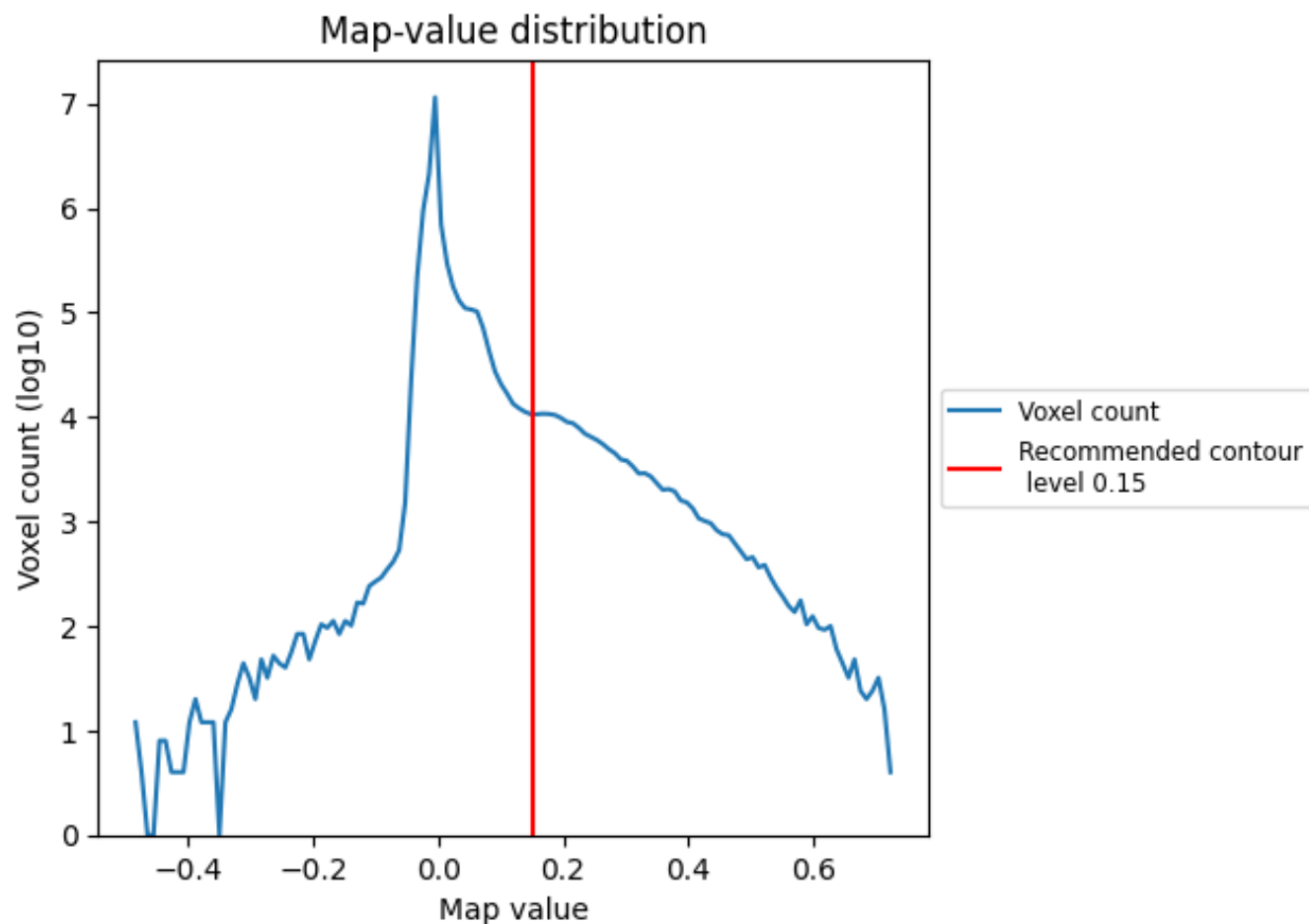


Z

7 Map analysis [i](#)

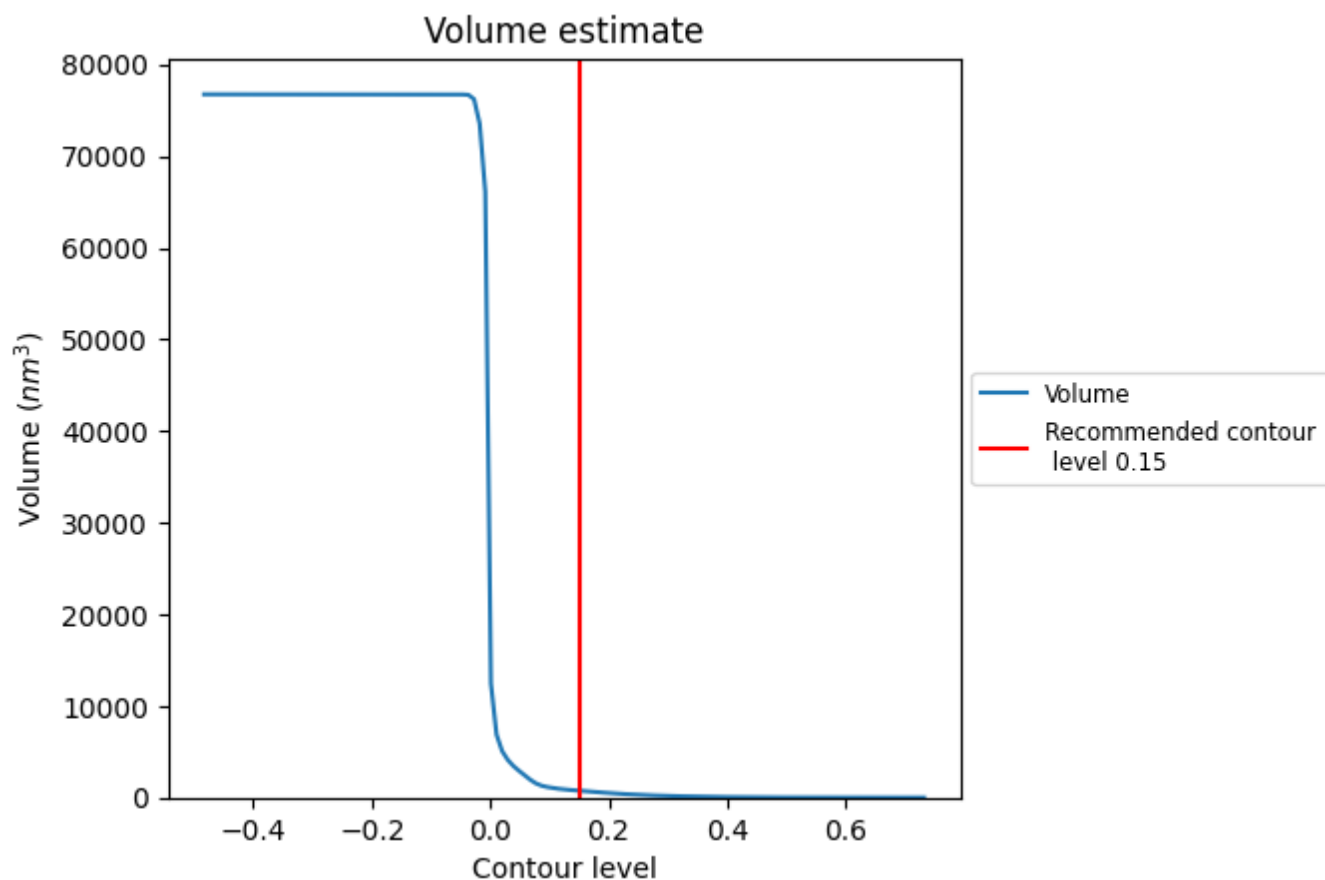
This section contains the results of statistical analysis of the map.

7.1 Map-value distribution [i](#)



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

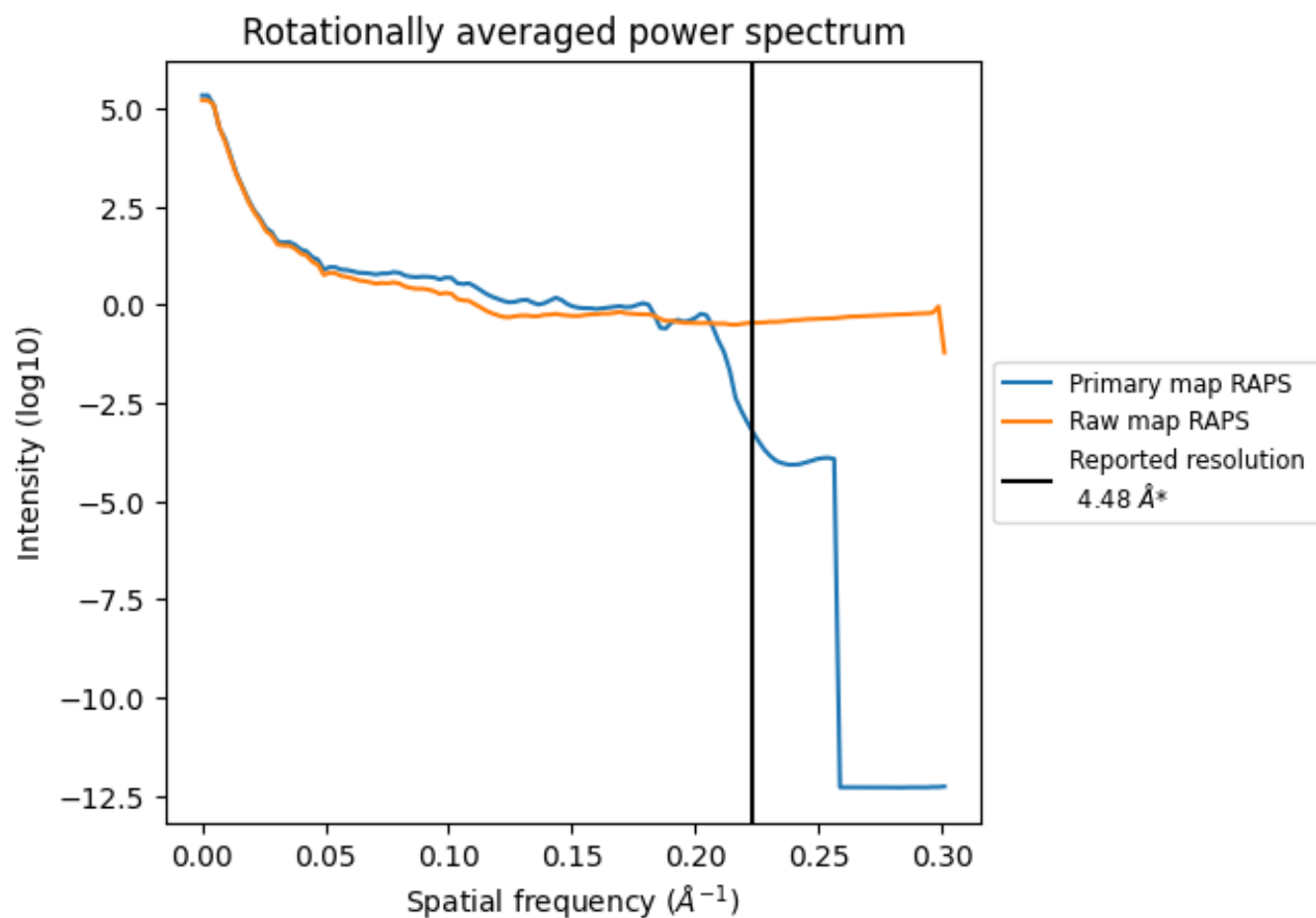
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 750 nm³; this corresponds to an approximate mass of 678 kDa.

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

7.3 Rotationally averaged power spectrum ⓘ

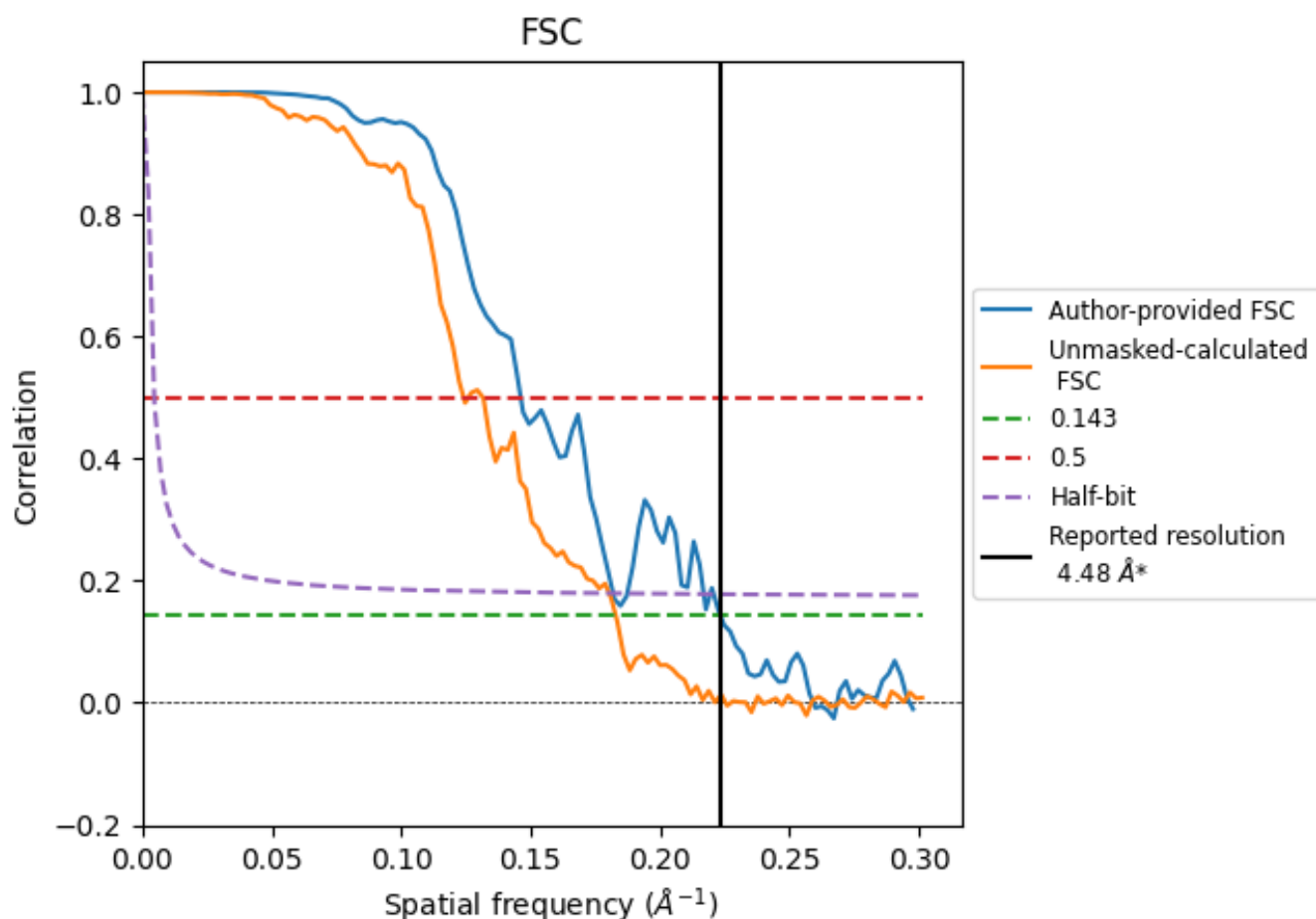


*Reported resolution corresponds to spatial frequency of 0.223 Å⁻¹

8 Fourier-Shell correlation [i](#)

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

8.1 FSC [i](#)



*Reported resolution corresponds to spatial frequency of 0.223 $\text{\AA}^{-1}$

8.2 Resolution estimates [i](#)

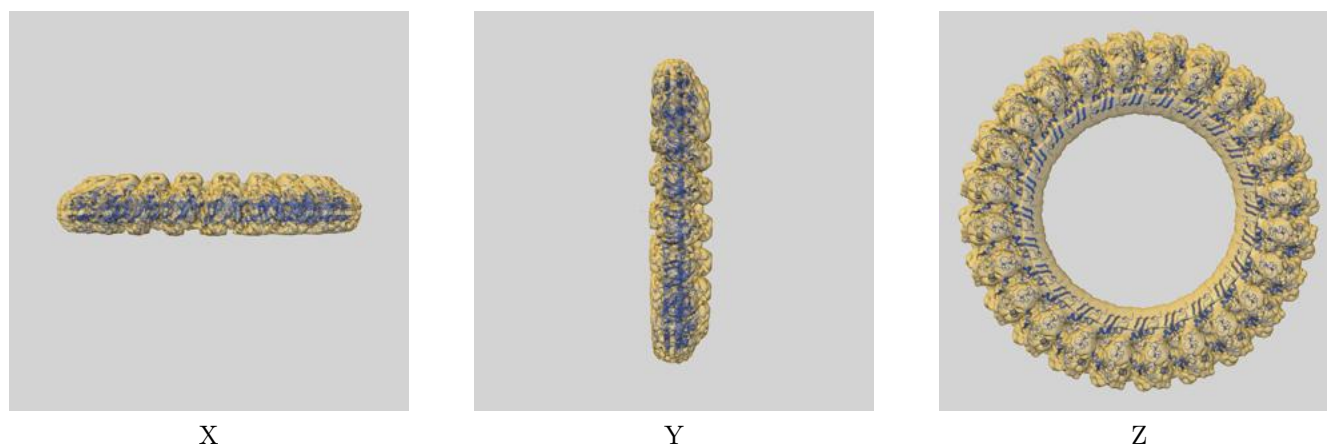
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	4.48	-	-
Author-provided FSC curve	4.48	6.84	5.50
Unmasked-calculated*	5.47	8.06	5.55

*Resolution estimate based on FSC curve calculated by comparison of deposited half-maps. The value from deposited half-maps intersecting FSC 0.143 CUT-OFF 5.47 differs from the reported value 4.48 by more than 10 %

9 Map-model fit [i](#)

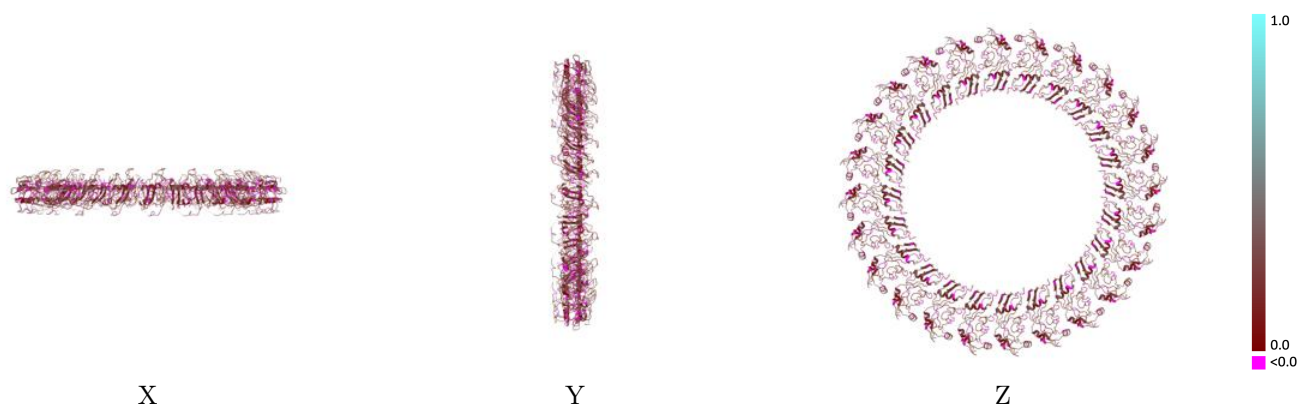
This section contains information regarding the fit between EMDB map EMD-28583 and PDB model 8ET1. Per-residue inclusion information can be found in section [3](#) on page [6](#).

9.1 Map-model overlay [i](#)



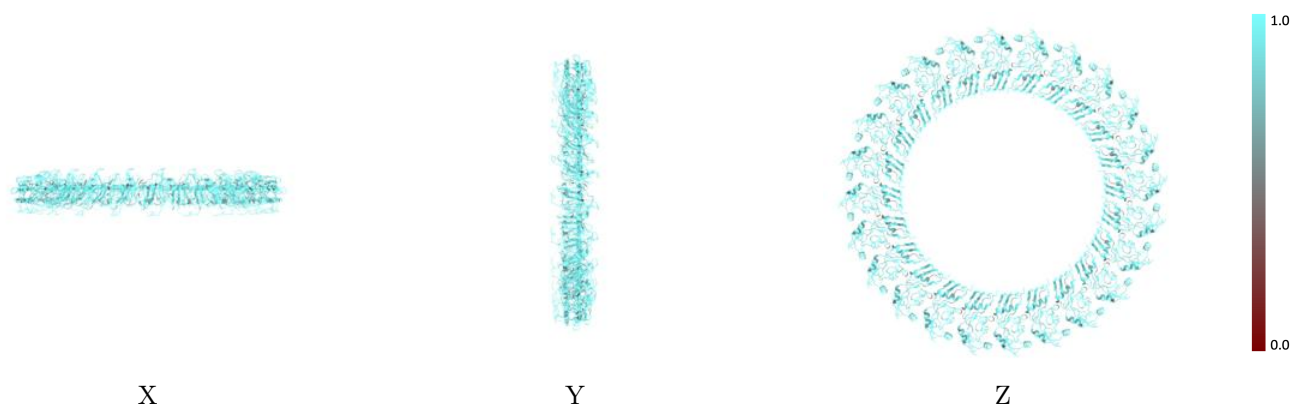
The images above show the 3D surface view of the map at the recommended contour level 0.15 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



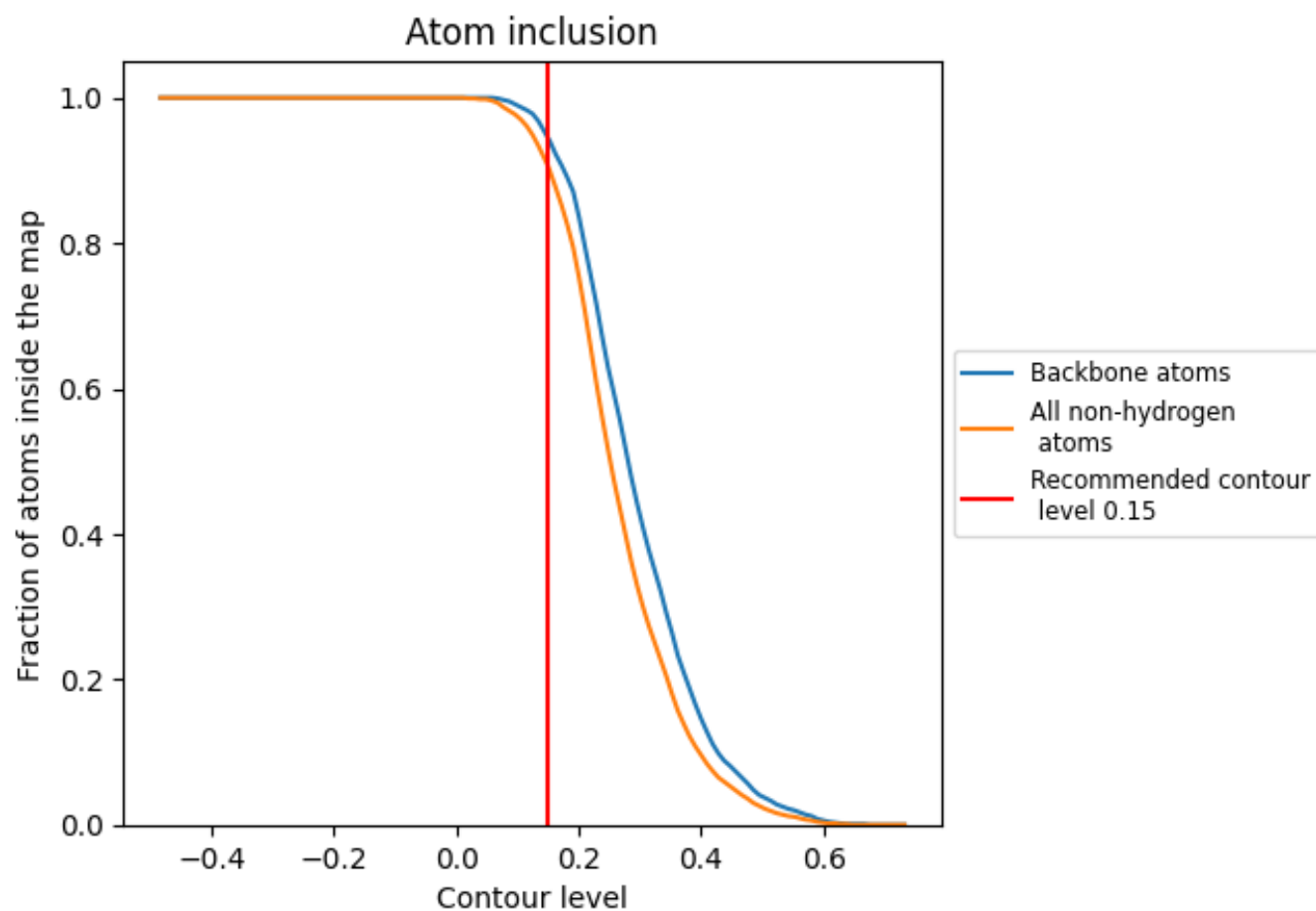
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions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

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



The images above show the model with each residue coloured according to its atom inclusion. This shows to what extent they are inside the map at the recommended contour level (0.15).

9.4 Atom inclusion [i](#)



At the recommended contour level, 94% of all backbone atoms, 91% of all non-hydrogen atoms, are inside the map.

9.5 Map-model fit summary

The table lists the average atom inclusion at the recommended contour level (0.15) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.9060	 0.1880
A	 0.9060	 0.1920
B	 0.9040	 0.1910
C	 0.9040	 0.1850
D	 0.9070	 0.1880
E	 0.9100	 0.1860
F	 0.9040	 0.1890
G	 0.9030	 0.1910
H	 0.9020	 0.1860
I	 0.9060	 0.1870
J	 0.9050	 0.1880
K	 0.9060	 0.1880
L	 0.8960	 0.1720
M	 0.9060	 0.1870
N	 0.9060	 0.1880
O	 0.9110	 0.1870
P	 0.9100	 0.1890
Q	 0.9060	 0.1880
R	 0.9070	 0.1860
S	 0.9050	 0.1890
T	 0.9040	 0.1920
U	 0.9060	 0.1900
V	 0.9080	 0.1900
W	 0.9100	 0.1900
X	 0.9040	 0.1880

