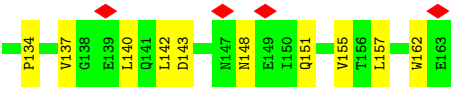
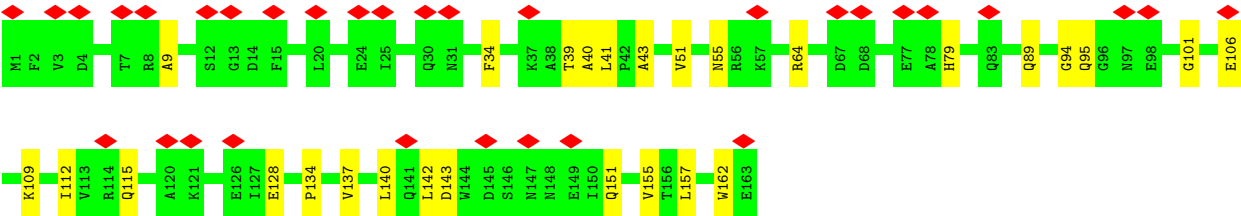
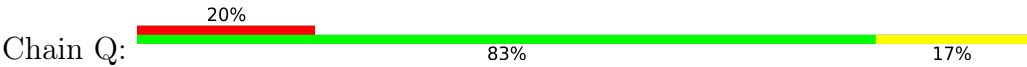


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Mol	Chain	Residues	Atoms					AltConf	Trace
1	Q	163	Total	C	N	O	S	0	0
			1304	828	219	253	4		



• Molecule 1: Tail tube protein gp19



4 Experimental information

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=18.2°, rise=40.2 Å, axial sym=C6	Depositor
Number of segments used	26320	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 ($e^-/\text{\AA}^2$)	40	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum map value	0.060	Depositor
Minimum map value	-0.045	Depositor
Average map value	0.002	Depositor
Map value standard deviation	0.007	Depositor
Recommended contour level	0.0163	Depositor
Map size (Å)	132.0, 132.0, 264.0	wwPDB
Map dimensions	100, 100, 200	wwPDB
Map angles (°)	90.0, 90.0, 90.0	wwPDB
Pixel spacing (Å)	1.32, 1.32, 1.32	Depositor

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

There are no ligands in this entry.

5.7 Other polymers [i](#)

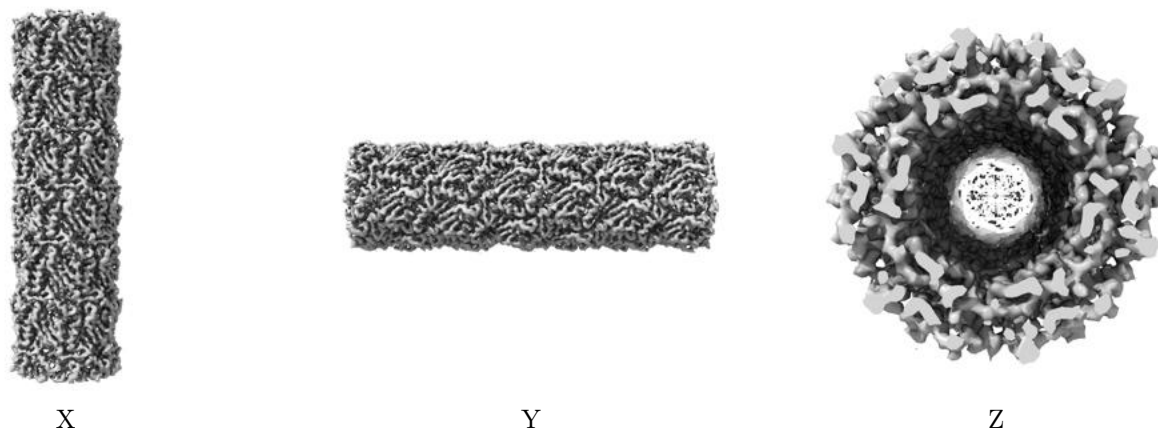
There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6.5 Orthogonal surface views [i](#)

6.5.1 Primary map

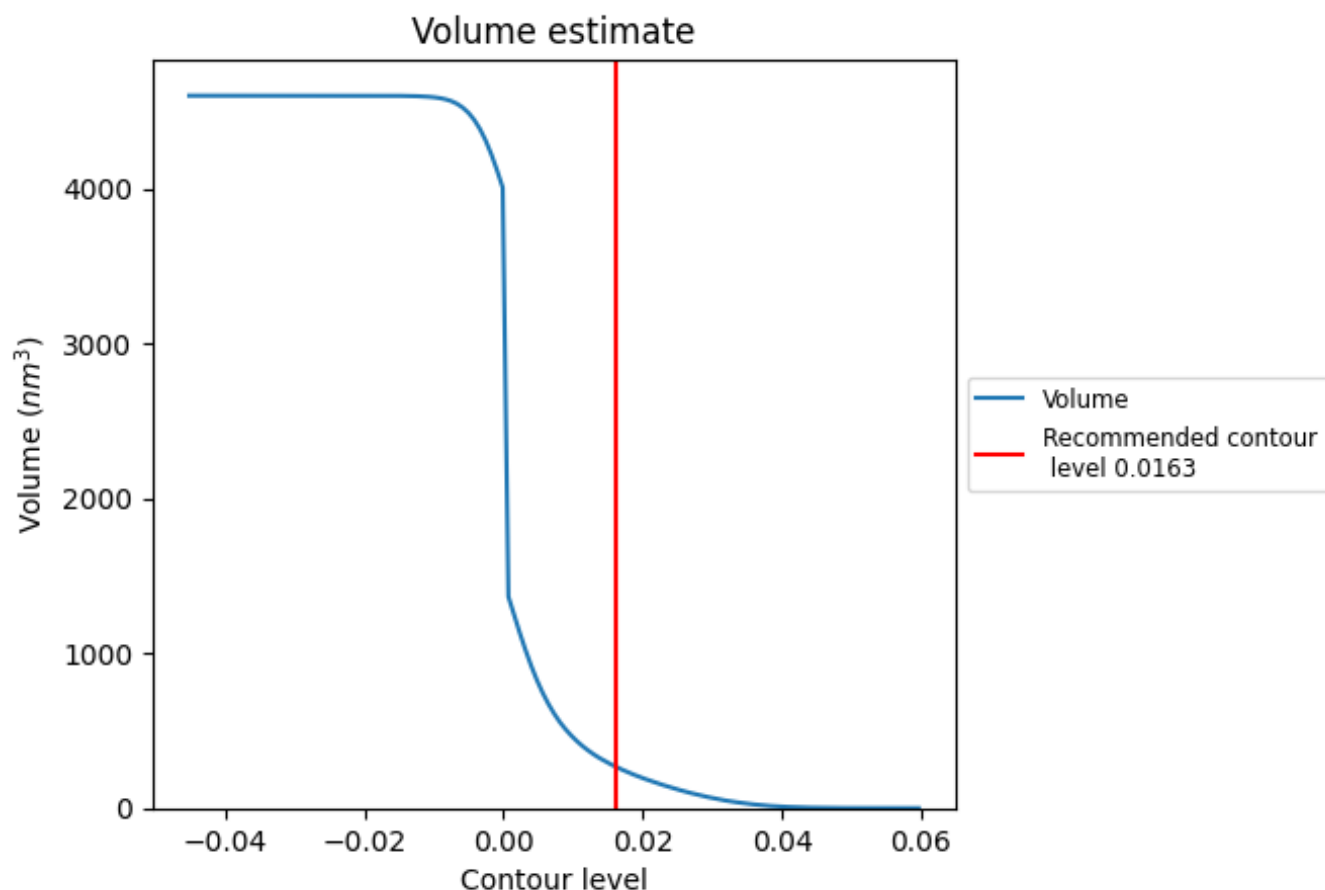


The images above show the 3D surface view of the map at the recommended contour level 0.0163. These images, in conjunction with the slice images, may facilitate assessment of whether an appropriate contour level has been provided.

6.6 Mask visualisation [i](#)

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

7.2 Volume estimate [i](#)



The volume at the recommended contour level is 265 nm³; this corresponds to an approximate mass of 239 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 [i](#)

This section was not generated. The rotationally averaged power spectrum is only generated for cubic maps.

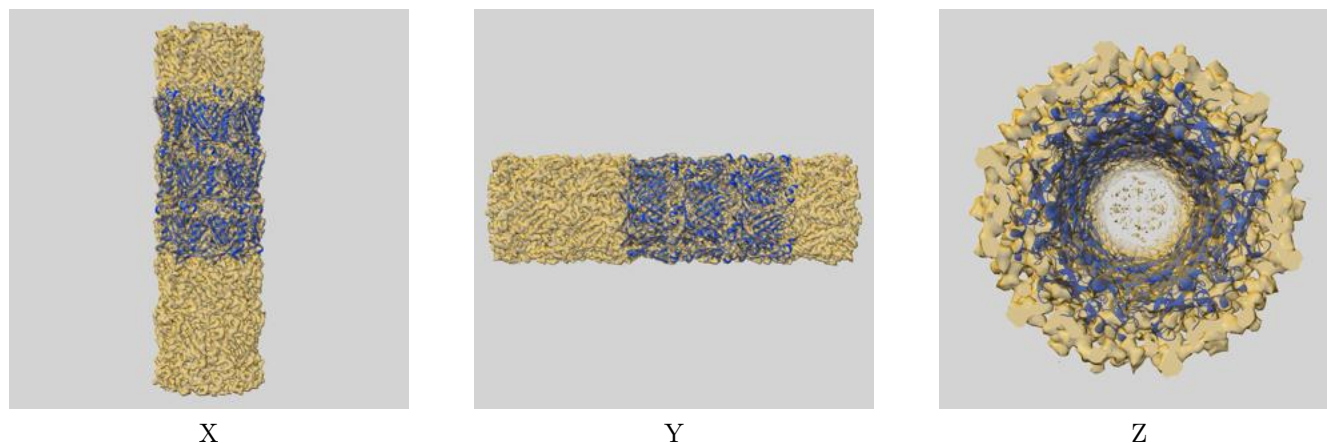
8 Fourier-Shell correlation ⓘ

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

9 Map-model fit [i](#)

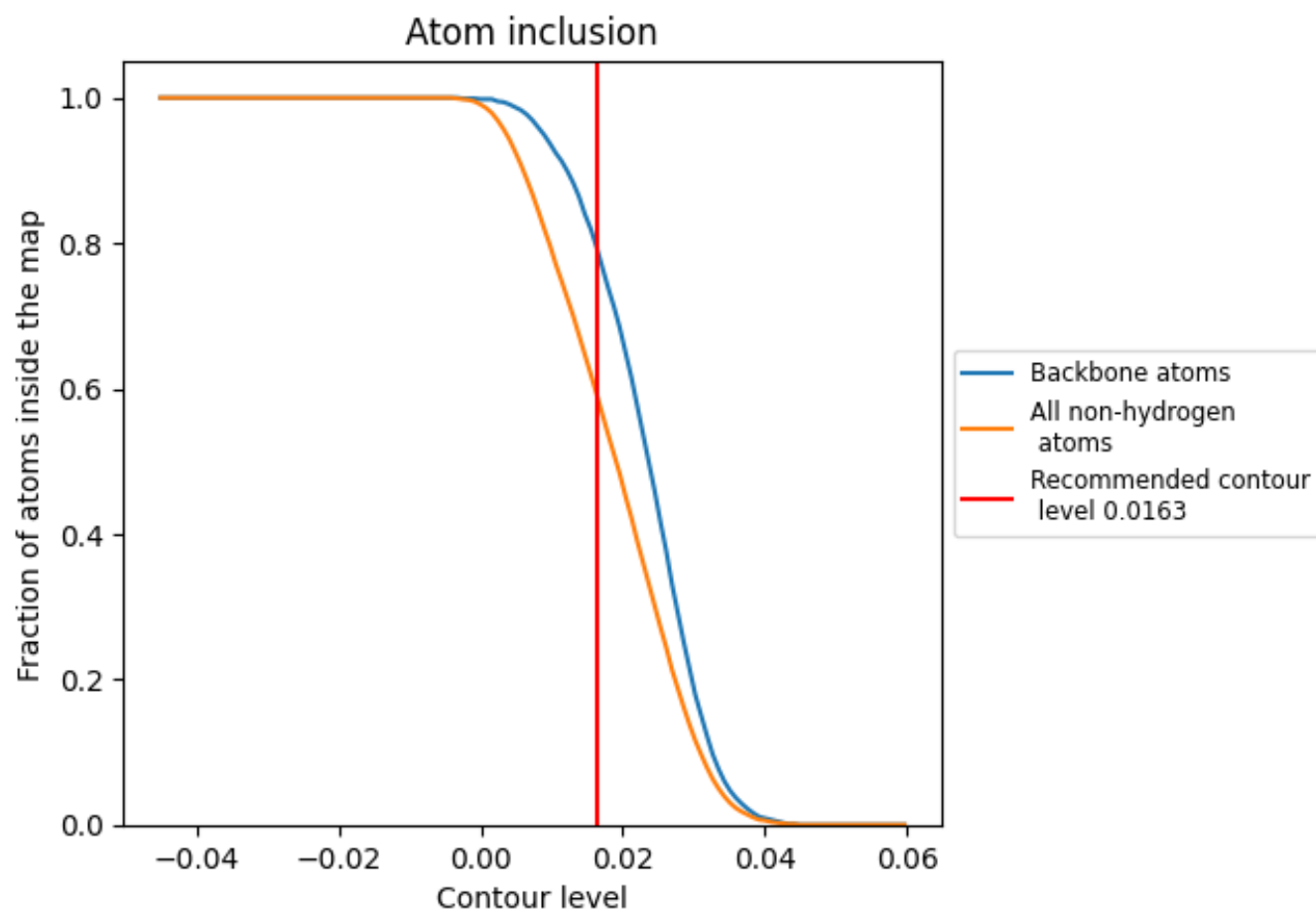
This section contains information regarding the fit between EMDB map EMD-8767 and PDB model 5W5F. Per-residue inclusion information can be found in section [3](#) on page [6](#).

9.1 Map-model overlay [i](#)



The images above show the 3D surface view of the map at the recommended contour level 0.0163 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.

9.4 Atom inclusion [i](#)



At the recommended contour level, 80% of all backbone atoms, 59% 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 (0.0163) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.5930	 0.3530
A	 0.6550	 0.4320
B	 0.6140	 0.3910
C	 0.5820	 0.3330
D	 0.6300	 0.3850
E	 0.5800	 0.3290
F	 0.5910	 0.3510
G	 0.5790	 0.3310
H	 0.5350	 0.2820
I	 0.5960	 0.3620
J	 0.5780	 0.3160
K	 0.5050	 0.2510
L	 0.6390	 0.4030
M	 0.6110	 0.3580
N	 0.4930	 0.2500
O	 0.6590	 0.4440
P	 0.6370	 0.4080
Q	 0.5530	 0.2930
R	 0.6420	 0.4350

