

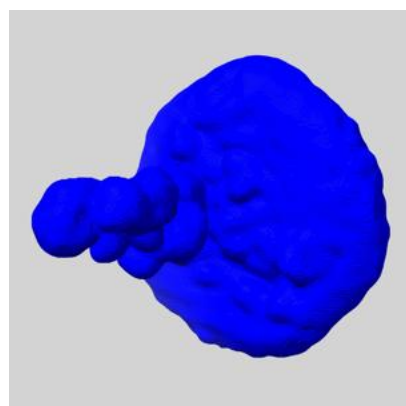
6.6 Mask visualisation [i](#)

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

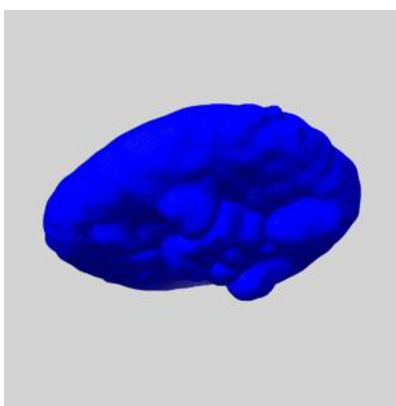
A mask typically either:

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

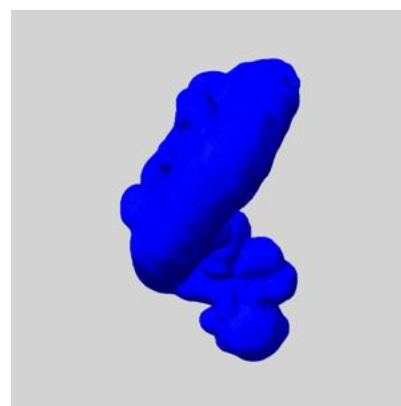
6.6.1 emd_51125_msk_1.map [i](#)



X



Y

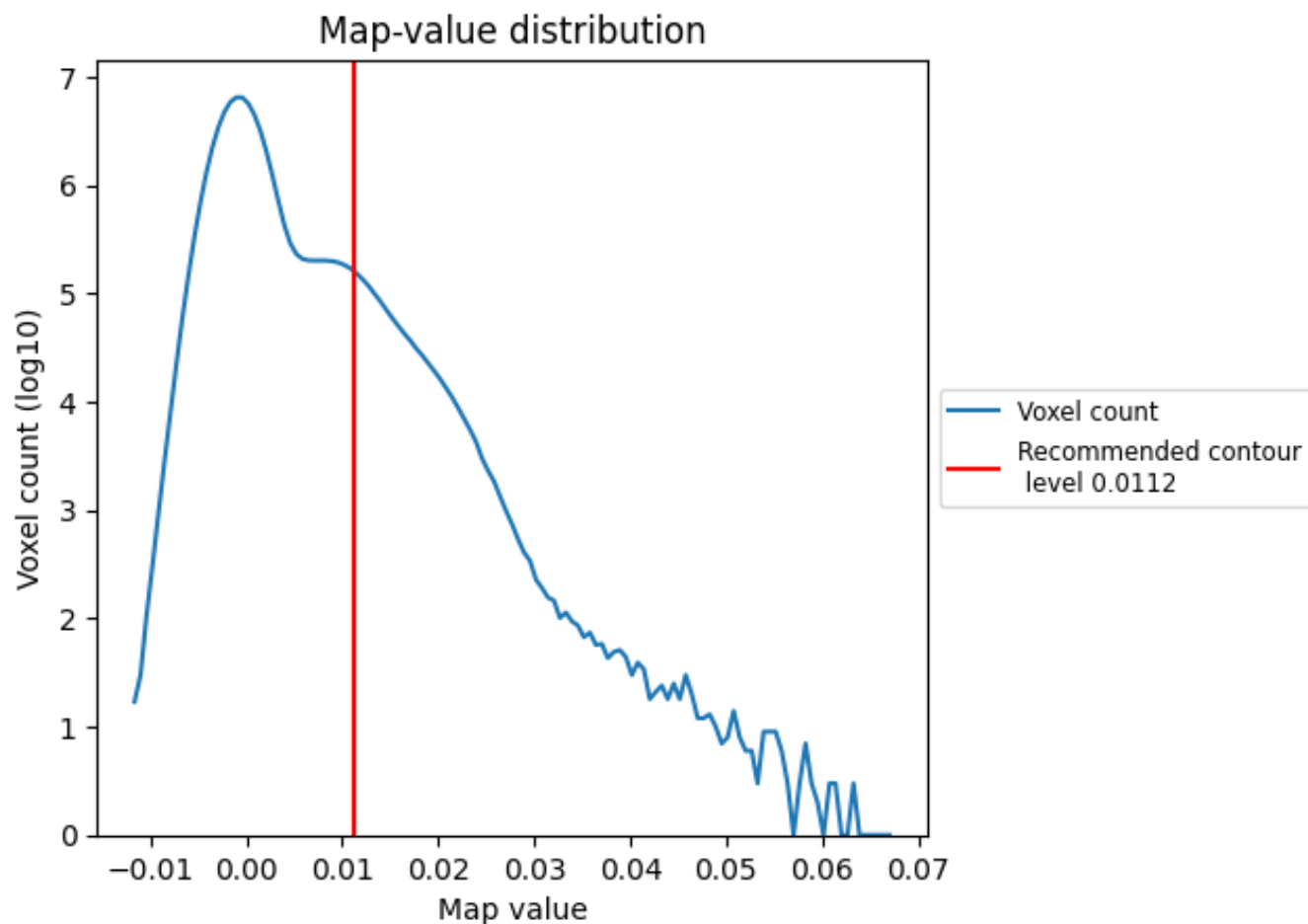


Z

7 Map analysis [i](#)

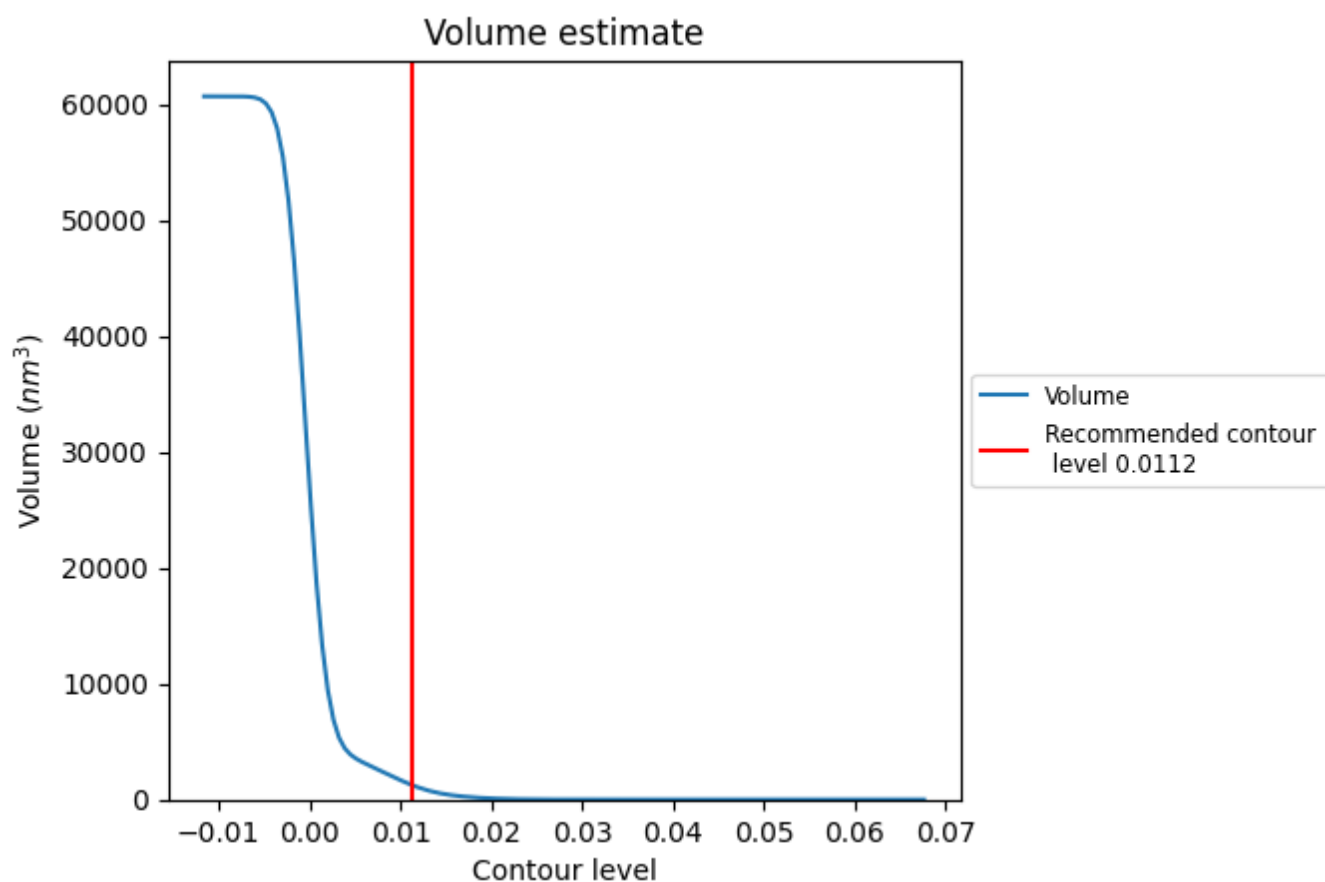
This section contains the results of statistical analysis of the map.

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.

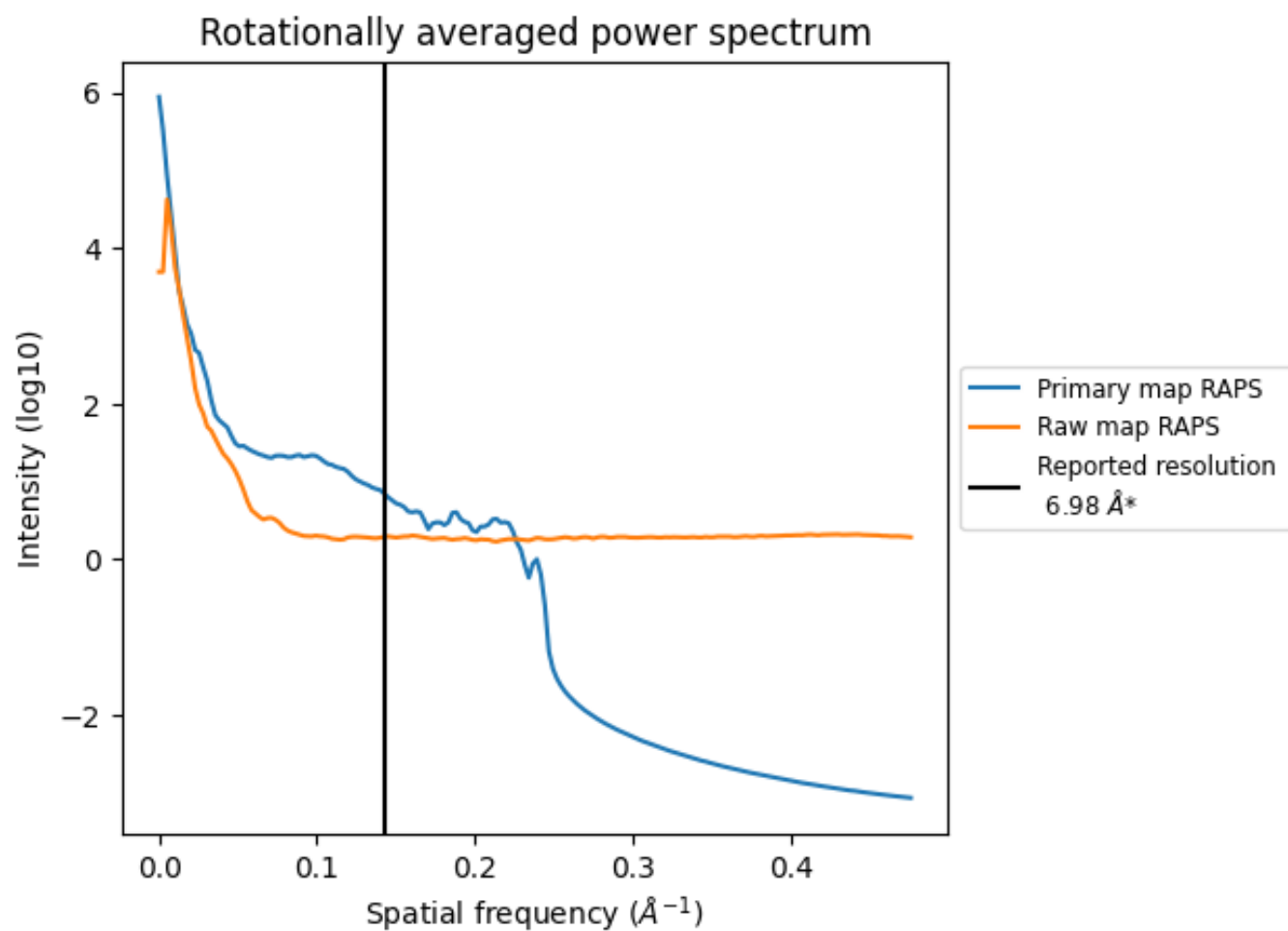
7.2 Volume estimate [i](#)



The volume at the recommended contour level is 1272 nm³; this corresponds to an approximate mass of 1149 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 ⓘ

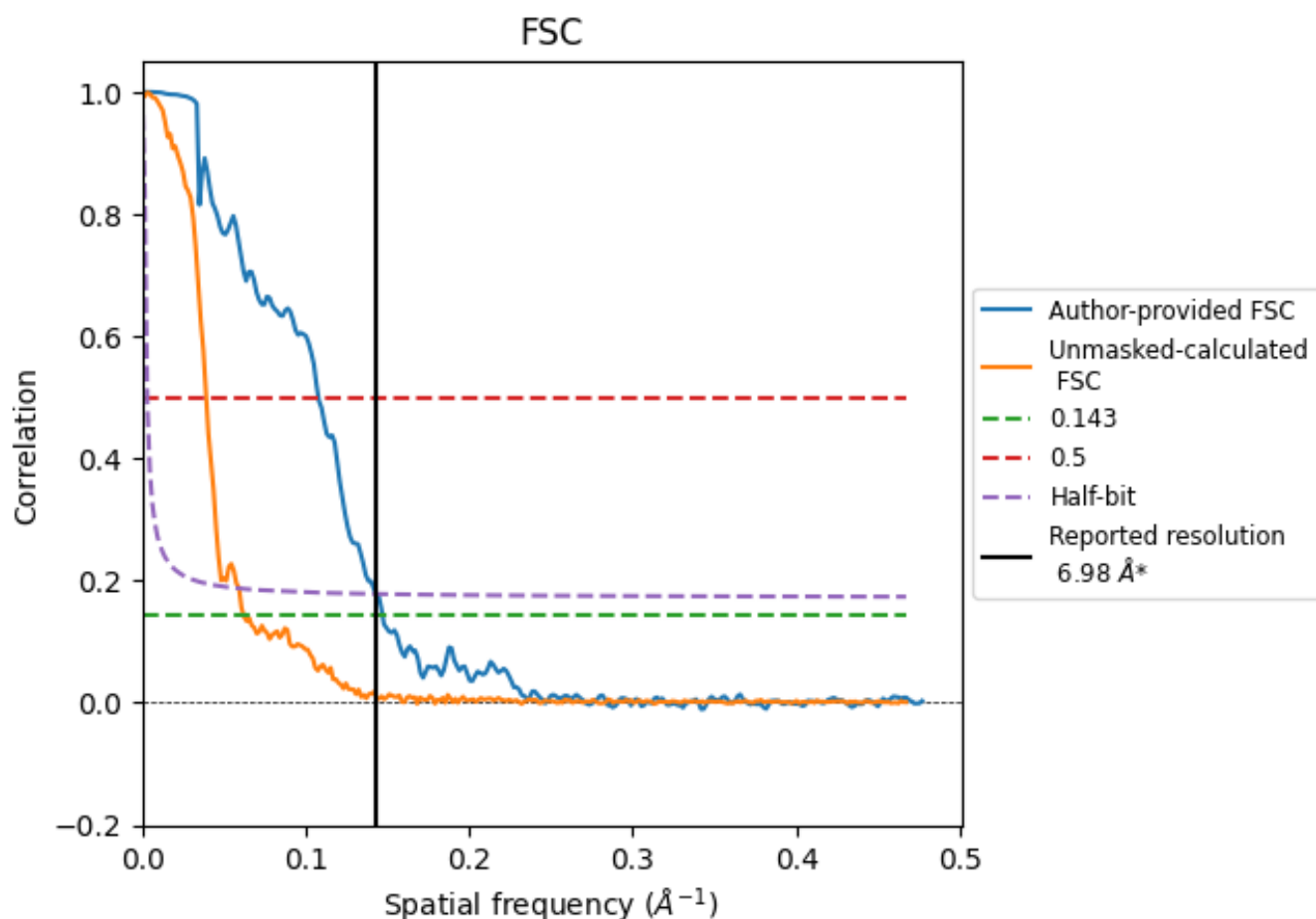


*Reported resolution corresponds to spatial frequency of 0.143 Å⁻¹

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 0.143 Å⁻¹

8.2 Resolution estimates [i](#)

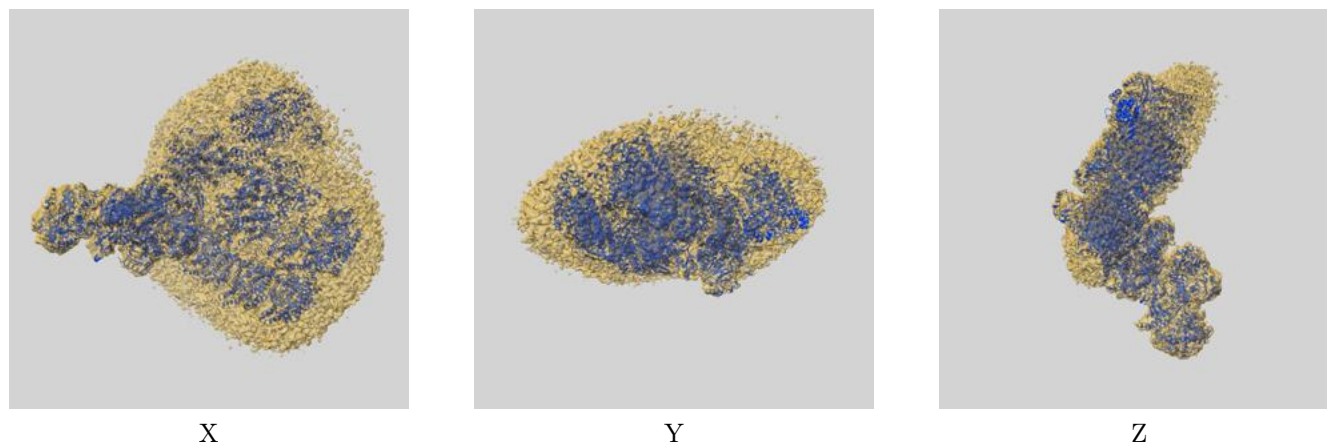
Resolution estimate (Å)	Estimation criterion (FSC cut-off)		
	0.143	0.5	Half-bit
Reported by author	6.98	-	-
Author-provided FSC curve	6.80	9.28	7.00
Unmasked-calculated*	16.10	25.51	16.89

*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 16.10 differs from the reported value 6.98 by more than 10 %

9 Map-model fit [i](#)

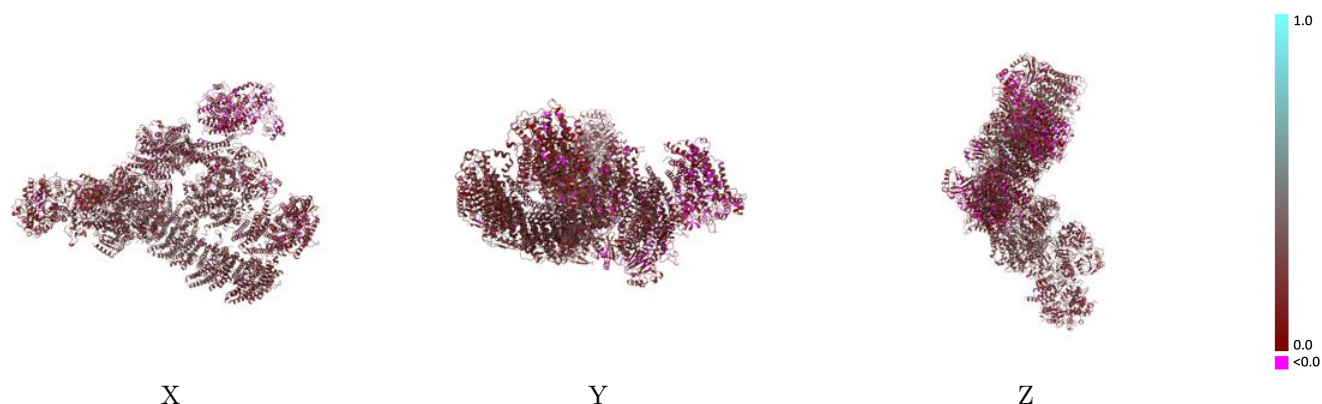
This section contains information regarding the fit between EMDB map EMD-51125 and PDB model 9G83. Per-residue inclusion information can be found in [section 3](#) on [page 18](#).

9.1 Map-model overlay [i](#)



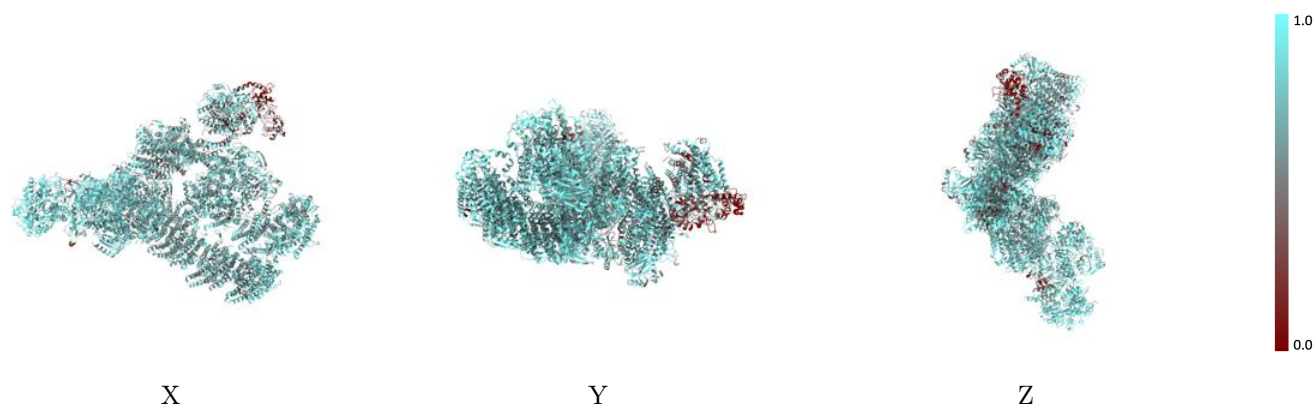
The images above show the 3D surface view of the map at the recommended contour level 0.0112 at 50% transparency in yellow overlaid with a ribbon representation of the model coloured in blue. These images allow for the visual assessment of the quality of fit between the atomic model and the map.

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



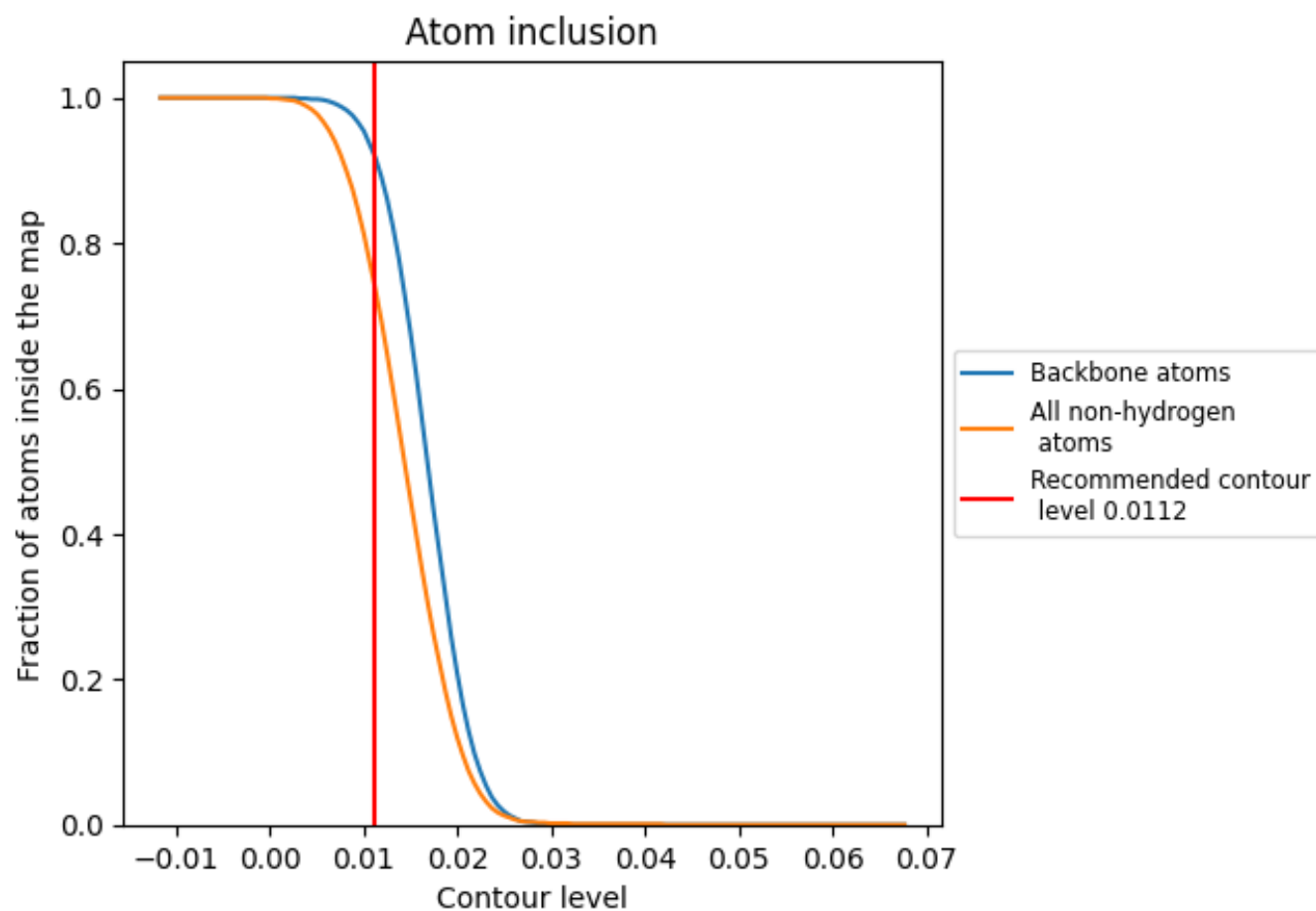
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (0.0112).

9.4 Atom inclusion [i](#)



At the recommended contour level, 92% of all backbone atoms, 74% 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 (0.0112) and Q-score for the entire model and for each chain.

Chain	Atom inclusion	Q-score
All	 0.7400	 0.2190
A	 0.7070	 0.2590
B	 0.7640	 0.2810
C	 0.7940	 0.2760
D	 0.7920	 0.2700
E	 0.8590	 0.2200
F	 0.8530	 0.2020
G	 0.8140	 0.2320
H	 0.7300	 0.2420
I	 0.8550	 0.2580
J	 0.7270	 0.2570
K	 0.7030	 0.2550
L	 0.7610	 0.2170
M	 0.7420	 0.2310
N	 0.7380	 0.2480
P	 0.7200	 0.2360
Q	 0.8440	 0.2770
R	 0.2860	 0.1840
Z	 0.7790	 0.2680
a	 0.7260	 0.2660
b	 0.7850	 0.2630
c	 0.7350	 0.1860
d	 0.7230	 0.2330
e	 0.7540	 0.2350
f	 0.7440	 0.1820
g	 0.7550	 0.1920
h	 0.7760	 0.1950
i	 0.7430	 0.2300
j	 0.6380	 0.2070
k	 0.7330	 0.1500
l	 0.7490	 0.1600
m	 0.7420	 0.1970
n	 0.6050	 0.2350
o	 0.7600	 0.2460
p	 0.8210	 0.2660



Continued on next page...

Continued from previous page...

Chain	Atom inclusion	Q-score
q	 0.8700	 0.2690
r	 0.6110	 0.2760
s	 0.6670	 0.2530
t	 0.6650	 0.1390
u	 0.5620	 0.1420
v	 0.3370	 0.1440