



## wwPDB EM Validation Summary Report ⓘ

Mar 10, 2026 – 03:38 AM UTC

PDB ID : 8J91 / pdb\_00008j91  
EMDB ID : EMD-36084  
Title : Cryo-EM structure of nucleosome containing Arabidopsis thaliana histones  
Authors : Osakabe, A.; Takizawa, Y.; Horikoshi, N.; Hatazawa, S.; Berger, F.; Kurumizaka, H.; Kakutani, T.  
Deposited on : 2023-05-02  
Resolution : 2.90 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](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.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

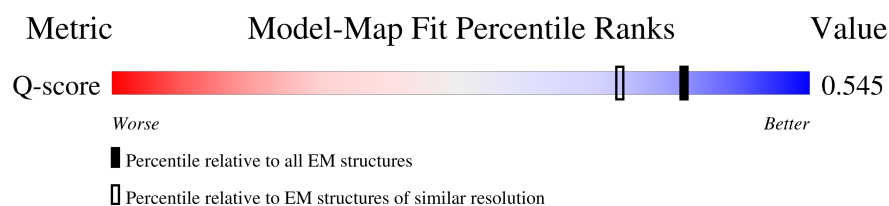
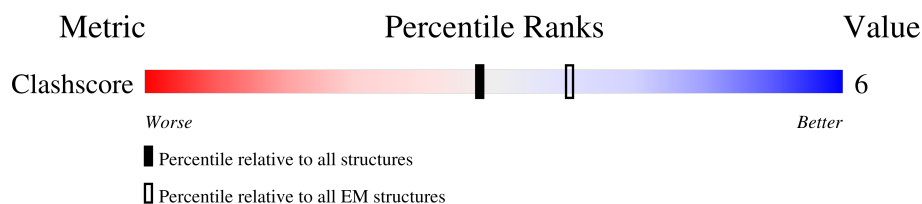
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*ELECTRON MICROSCOPY*

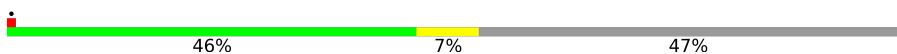
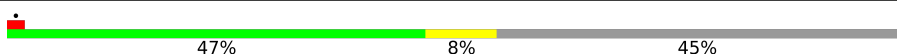
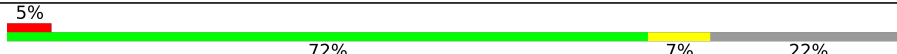
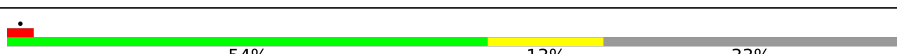
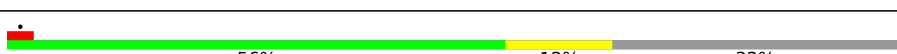
The reported resolution of this entry is 2.90 Å.

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.



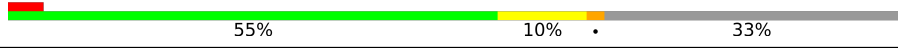
| Metric     | Whole archive<br>(#Entries) | EM structures<br>(#Entries) | Similar EM resolution<br>(#Entries, resolution range(Å)) |
|------------|-----------------------------|-----------------------------|----------------------------------------------------------|
| Clashscore | 229148                      | 23984                       | -                                                        |
| Q-score    | -                           | 25397                       | 13054 ( 2.40 - 3.40 )                                    |

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  $\geq 3$ , 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     | 139    |  |
| 1   | E     | 139    |  |
| 2   | B     | 106    |  |
| 2   | F     | 106    |  |
| 3   | C     | 135    |  |
| 3   | G     | 135    |  |

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| Mol | Chain | Length | Quality of chain                                                                   |
|-----|-------|--------|------------------------------------------------------------------------------------|
| 4   | D     | 153    |  |
| 4   | H     | 153    |  |
| 5   | I     | 169    |  |
| 6   | J     | 169    |  |

## 2 Entry composition

There are 6 unique types of molecules in this entry. The entry contains 9944 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 Histone H3.1.

| Mol | Chain | Residues | Atoms |     |     |     |   | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| 1   | A     | 74       | Total | C   | N   | O   | S | 0       | 0     |
|     |       |          | 598   | 379 | 113 | 104 | 2 |         |       |
| 1   | E     | 76       | Total | C   | N   | O   | S | 0       | 0     |
|     |       |          | 612   | 388 | 115 | 107 | 2 |         |       |

There are 6 discrepancies between the modelled and reference sequences:

| Chain | Residue | Modelled | Actual | Comment        | Reference  |
|-------|---------|----------|--------|----------------|------------|
| A     | -3      | GLY      | -      | expression tag | UNP P59226 |
| A     | -2      | SER      | -      | expression tag | UNP P59226 |
| A     | -1      | HIS      | -      | expression tag | UNP P59226 |
| E     | -3      | GLY      | -      | expression tag | UNP P59226 |
| E     | -2      | SER      | -      | expression tag | UNP P59226 |
| E     | -1      | HIS      | -      | expression tag | UNP P59226 |

- Molecule 2 is a protein called Histone H4.

| Mol | Chain | Residues | Atoms |     |     |     |   | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| 2   | B     | 83       | Total | C   | N   | O   | S | 0       | 0     |
|     |       |          | 665   | 419 | 131 | 114 | 1 |         |       |
| 2   | F     | 78       | Total | C   | N   | O   | S | 0       | 0     |
|     |       |          | 622   | 392 | 122 | 107 | 1 |         |       |

There are 6 discrepancies between the modelled and reference sequences:

| Chain | Residue | Modelled | Actual | Comment        | Reference  |
|-------|---------|----------|--------|----------------|------------|
| B     | -3      | GLY      | -      | expression tag | UNP P59259 |
| B     | -2      | SER      | -      | expression tag | UNP P59259 |
| B     | -1      | HIS      | -      | expression tag | UNP P59259 |
| F     | -3      | GLY      | -      | expression tag | UNP P59259 |
| F     | -2      | SER      | -      | expression tag | UNP P59259 |
| F     | -1      | HIS      | -      | expression tag | UNP P59259 |

- Molecule 3 is a protein called HTA13.

| Mol | Chain | Residues | Atoms |     |     |     | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---------|-------|
| 3   | C     | 91       | Total | C   | N   | O   | 0       | 0     |
|     |       |          | 688   | 433 | 130 | 125 |         |       |
| 3   | G     | 92       | Total | C   | N   | O   | 0       | 0     |
|     |       |          | 694   | 436 | 131 | 127 |         |       |

There are 6 discrepancies between the modelled and reference sequences:

| Chain | Residue | Modelled | Actual | Comment        | Reference  |
|-------|---------|----------|--------|----------------|------------|
| C     | -3      | GLY      | -      | expression tag | UNP Q9LHQ5 |
| C     | -2      | SER      | -      | expression tag | UNP Q9LHQ5 |
| C     | -1      | HIS      | -      | expression tag | UNP Q9LHQ5 |
| G     | -3      | GLY      | -      | expression tag | UNP Q9LHQ5 |
| G     | -2      | SER      | -      | expression tag | UNP Q9LHQ5 |
| G     | -1      | HIS      | -      | expression tag | UNP Q9LHQ5 |

- Molecule 4 is a protein called Histone H2B.6.

| Mol | Chain | Residues | Atoms |     |     |     |   | AltConf | Trace |
|-----|-------|----------|-------|-----|-----|-----|---|---------|-------|
| 4   | D     | 92       | Total | C   | N   | O   | S | 0       | 0     |
|     |       |          | 716   | 459 | 121 | 134 | 2 |         |       |
| 4   | H     | 92       | Total | C   | N   | O   | S | 0       | 0     |
|     |       |          | 716   | 459 | 121 | 134 | 2 |         |       |

There are 6 discrepancies between the modelled and reference sequences:

| Chain | Residue | Modelled | Actual | Comment        | Reference  |
|-------|---------|----------|--------|----------------|------------|
| D     | -3      | GLY      | -      | expression tag | UNP O23629 |
| D     | -2      | SER      | -      | expression tag | UNP O23629 |
| D     | -1      | HIS      | -      | expression tag | UNP O23629 |
| H     | -3      | GLY      | -      | expression tag | UNP O23629 |
| H     | -2      | SER      | -      | expression tag | UNP O23629 |
| H     | -1      | HIS      | -      | expression tag | UNP O23629 |

- Molecule 5 is a DNA chain called DNA (169-MER).

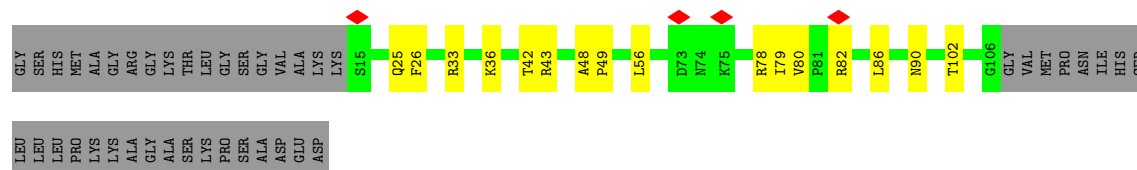
| Mol | Chain | Residues | Atoms |      |     |     |     | AltConf | Trace |
|-----|-------|----------|-------|------|-----|-----|-----|---------|-------|
| 5   | I     | 113      | Total | C    | N   | O   | P   | 0       | 0     |
|     |       |          | 2301  | 1091 | 418 | 679 | 113 |         |       |

- Molecule 6 is a DNA chain called DNA (169-MER).

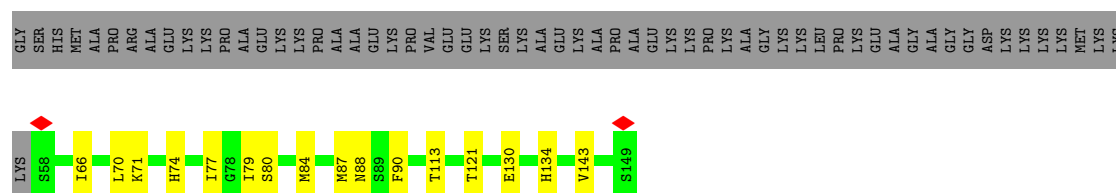
| Mol | Chain | Residues | Atoms         |           |          |          |          | AltConf | Trace |
|-----|-------|----------|---------------|-----------|----------|----------|----------|---------|-------|
| 6   | J     | 113      | Total<br>2332 | C<br>1101 | N<br>441 | O<br>677 | P<br>113 | 0       | 0     |



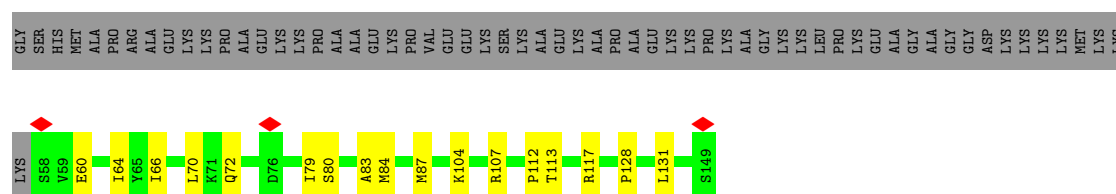
- Molecule 3: HTA13



- Molecule 4: Histone H2B.6



- Molecule 4: Histone H2B.6



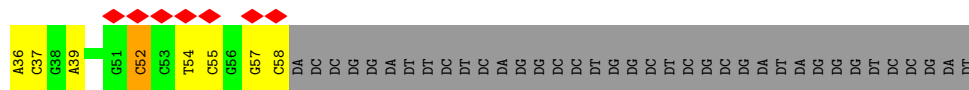
- Molecule 5: DNA (169-MER)



- Molecule 6: DNA (169-MER)







## 4 Experimental information

| Property                             | Value                                   | Source    |
|--------------------------------------|-----------------------------------------|-----------|
| EM reconstruction method             | SINGLE PARTICLE                         | Depositor |
| Imposed symmetry                     | POINT, Not provided                     |           |
| Number of particles used             | 411432                                  | 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 ( $e^-/\text{\AA}^2$ ) | 59                                      | Depositor |
| Minimum defocus (nm)                 | 10000                                   | Depositor |
| Maximum defocus (nm)                 | 25000                                   | Depositor |
| Magnification                        | Not provided                            |           |
| Image detector                       | GATAN K3 BIOQUANTUM (6k x 4k)           | Depositor |
| Maximum map value                    | 0.153                                   | Depositor |
| Minimum map value                    | -0.077                                  | Depositor |
| Average map value                    | 0.000                                   | Depositor |
| Map value standard deviation         | 0.004                                   | Depositor |
| Recommended contour level            | 0.018                                   | Depositor |
| Map size (Å)                         | 211.99998, 211.99998, 211.99998         | wwPDB     |
| Map dimensions                       | 200, 200, 200                           | wwPDB     |
| Map angles (°)                       | 90.0, 90.0, 90.0                        | wwPDB     |
| Pixel spacing (Å)                    | 1.06, 1.06, 1.06                        | Depositor |

## 5 Model quality [i](#)

### 5.1 Standard geometry [i](#)

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     | 0.20         | 0/605          | 0.27        | 0/812           |
| 1   | E     | 0.35         | 0/619          | 0.29        | 0/830           |
| 2   | B     | 0.20         | 0/672          | 0.31        | 0/898           |
| 2   | F     | 0.20         | 0/629          | 0.30        | 0/841           |
| 3   | C     | 0.18         | 0/696          | 0.41        | 0/939           |
| 3   | G     | 0.19         | 0/702          | 0.41        | 0/947           |
| 4   | D     | 0.24         | 0/727          | 0.41        | 0/977           |
| 4   | H     | 0.17         | 0/727          | 0.33        | 0/977           |
| 5   | I     | 0.74         | 1/2577 (0.0%)  | 1.31        | 15/3971 (0.4%)  |
| 6   | J     | 0.73         | 1/2619 (0.0%)  | 1.27        | 9/4044 (0.2%)   |
| All | All   | 0.54         | 2/10573 (0.0%) | 0.97        | 24/15236 (0.2%) |

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

| Mol | Chain | #Chirality outliers | #Planarity outliers |
|-----|-------|---------------------|---------------------|
| 5   | I     | 0                   | 4                   |
| 6   | J     | 0                   | 7                   |
| All | All   | 0                   | 11                  |

All (2) bond length outliers are listed below:

| Mol | Chain | Res | Type | Atoms | Z     | Observed(Å) | Ideal(Å) |
|-----|-------|-----|------|-------|-------|-------------|----------|
| 5   | I     | -52 | DG   | C6-O6 | -8.71 | 1.06        | 1.24     |
| 6   | J     | 52  | DC   | C4-N4 | -7.48 | 1.19        | 1.34     |

The worst 5 of 24 bond angle outliers are listed below:

| Mol | Chain | Res | Type | Atoms     | Z      | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-----------|--------|-------------|----------|
| 5   | I     | 24  | DA   | O3'-P-O5' | 18.02  | 131.03      | 104.00   |
| 5   | I     | 24  | DA   | OP2-P-O3' | -10.44 | 76.69       | 108.00   |

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| Mol | Chain | Res | Type | Atoms       | Z     | Observed(°) | Ideal(°) |
|-----|-------|-----|------|-------------|-------|-------------|----------|
| 5   | I     | 25  | DG   | O5'-P-OP2   | -9.79 | 78.64       | 108.00   |
| 6   | J     | 24  | DC   | C2'-C3'-O3' | -9.70 | 96.95       | 111.50   |
| 6   | J     | 54  | DT   | C2'-C3'-O3' | 9.18  | 125.27      | 111.50   |

There are no chirality outliers.

5 of 11 planarity outliers are listed below:

| Mol | Chain | Res | Type | Group     |
|-----|-------|-----|------|-----------|
| 5   | I     | -5  | DA   | Sidechain |
| 5   | I     | -7  | DG   | Sidechain |
| 5   | I     | 16  | DA   | Sidechain |
| 5   | I     | 20  | DG   | Sidechain |
| 6   | J     | -22 | DG   | Sidechain |

## 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     | 598   | 0        | 628      | 8       | 0            |
| 1   | E     | 612   | 0        | 644      | 10      | 0            |
| 2   | B     | 665   | 0        | 711      | 8       | 0            |
| 2   | F     | 622   | 0        | 661      | 13      | 0            |
| 3   | C     | 688   | 0        | 721      | 29      | 0            |
| 3   | G     | 694   | 0        | 726      | 12      | 0            |
| 4   | D     | 716   | 0        | 754      | 19      | 0            |
| 4   | H     | 716   | 0        | 754      | 15      | 0            |
| 5   | I     | 2301  | 0        | 1265     | 25      | 0            |
| 6   | J     | 2332  | 0        | 1264     | 26      | 0            |
| All | All   | 9944  | 0        | 8128     | 105     | 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 6.

The worst 5 of 105 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) |
|-----------------|----------------|--------------------------|-------------------|
| 3:C:33:ARG:NH1  | 5:I:-45:DA:H5' | 1.47                     | 1.26              |
| 5:I:-52:DG:O6   | 6:J:52:DC:N4   | 1.94                     | 1.00              |
| 3:C:33:ARG:HH12 | 5:I:-45:DA:H5' | 1.14                     | 0.94              |
| 3:C:77:THR:HG22 | 6:J:58:DC:OP1  | 1.68                     | 0.93              |
| 3:C:33:ARG:HH12 | 5:I:-45:DA:C5' | 1.84                     | 0.91              |

There are no symmetry-related clashes.

## 5.3 Torsion angles [i](#)

### 5.3.1 Protein backbone [i](#)

There are no protein backbone outliers to report in this entry.

### 5.3.2 Protein sidechains [i](#)

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

### 5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

## 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 ⓘ

There are no chain breaks in this entry.

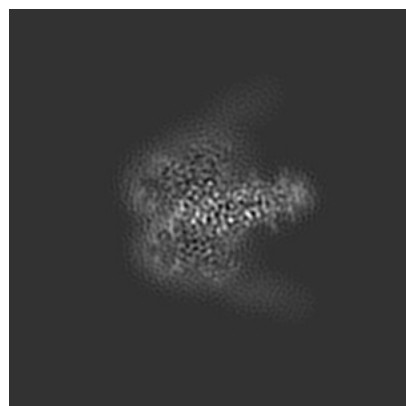
## 6 Map visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-36084. These allow visual inspection of the internal detail of the map and identification of artifacts.

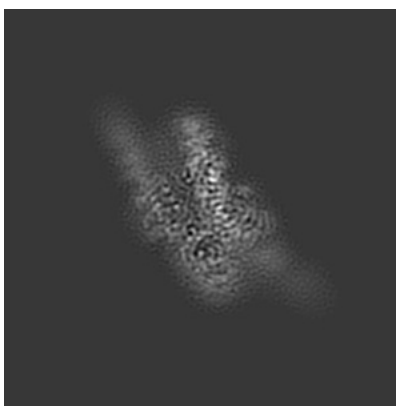
Images derived from a raw map, generated by summing the deposited half-maps, are presented below the corresponding image components of the primary map to allow further visual inspection and comparison with those of the primary map.

### 6.1 Orthogonal projections [i](#)

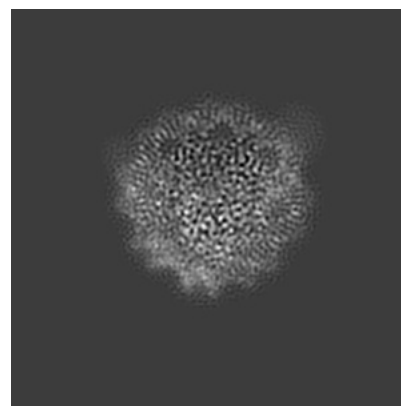
#### 6.1.1 Primary map



X

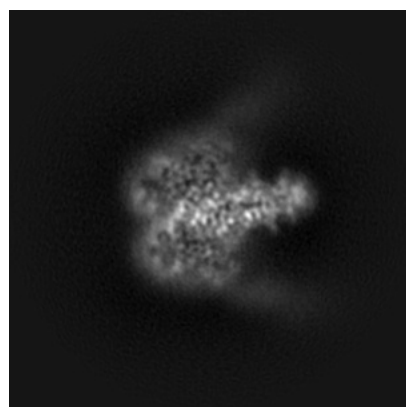


Y

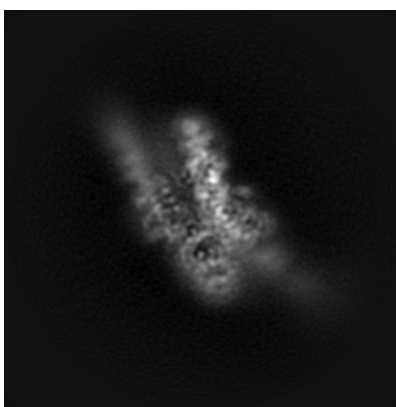


Z

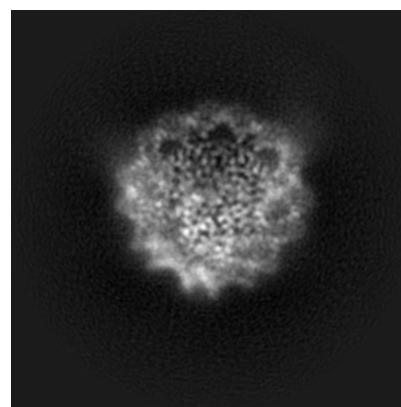
#### 6.1.2 Raw map



X



Y

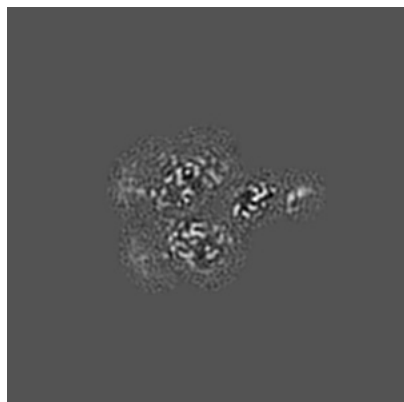


Z

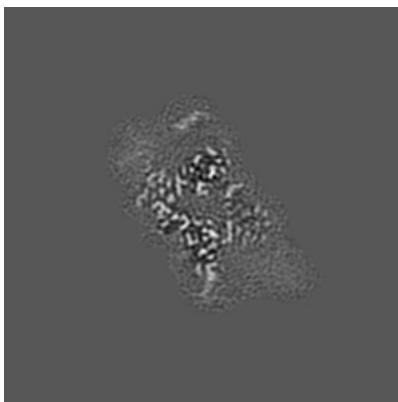
The images above show the map projected in three orthogonal directions.

## 6.2 Central slices [i](#)

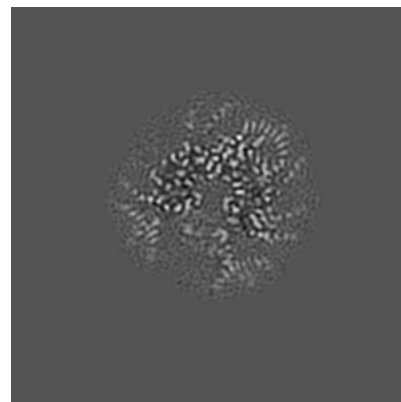
### 6.2.1 Primary map



X Index: 100

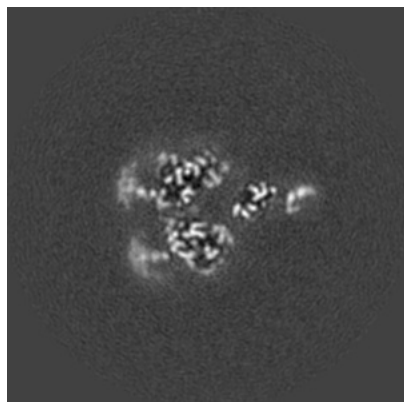


Y Index: 100

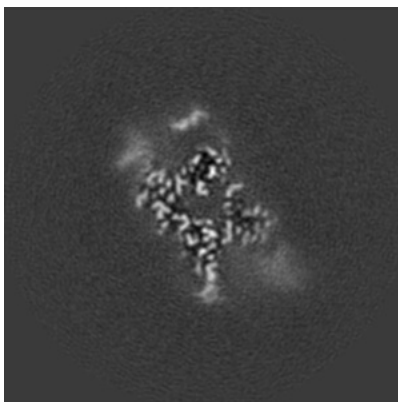


Z Index: 100

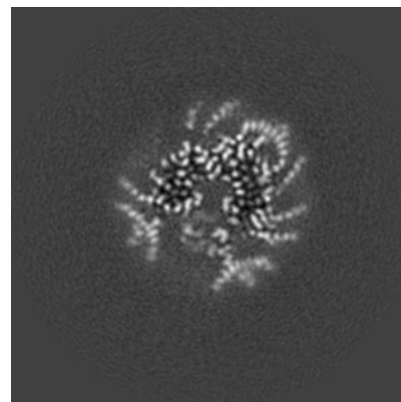
### 6.2.2 Raw map



X Index: 100



Y Index: 100



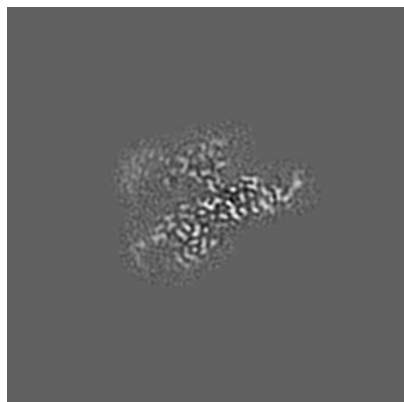
Z Index: 100

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

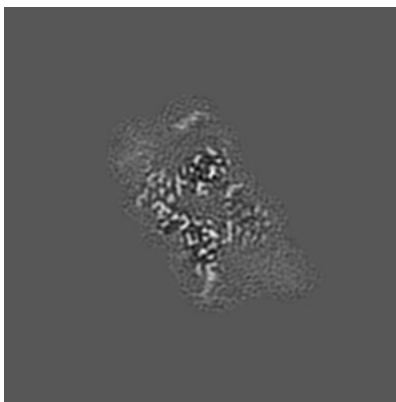


## 6.3 Largest variance slices [i](#)

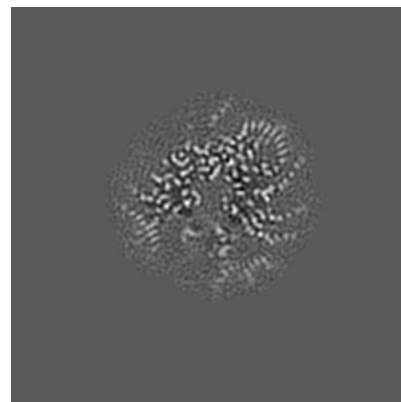
### 6.3.1 Primary map



X Index: 88

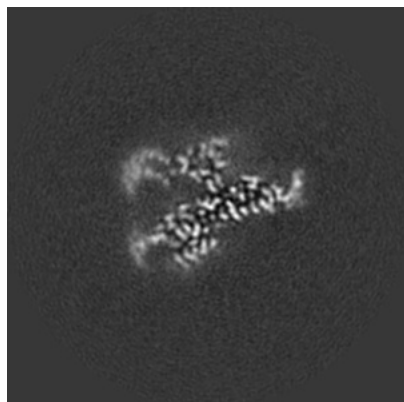


Y Index: 100

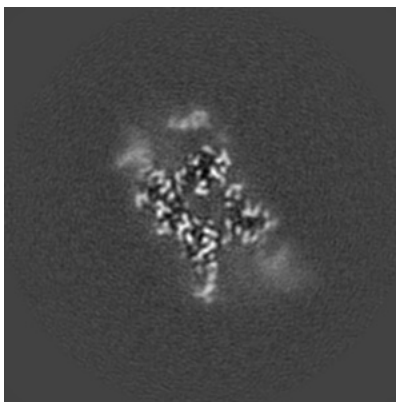


Z Index: 99

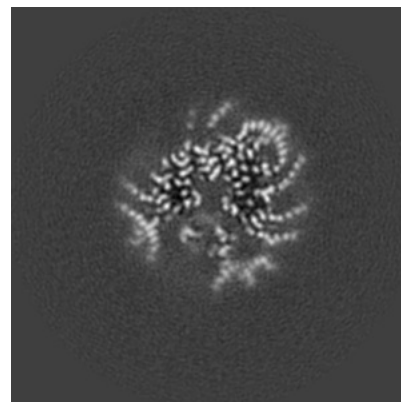
### 6.3.2 Raw map



X Index: 88



Y Index: 99

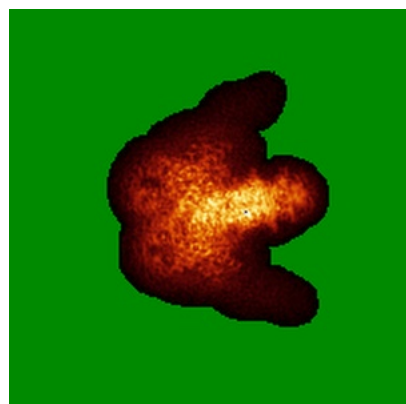


Z Index: 99

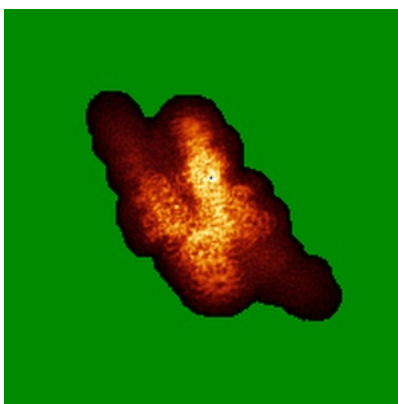
The images above show the largest variance slices of the map in three orthogonal directions.

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

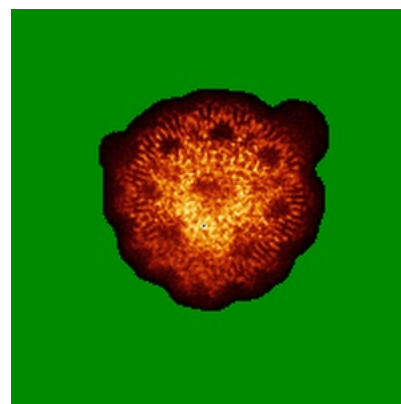
### 6.4.1 Primary map



X

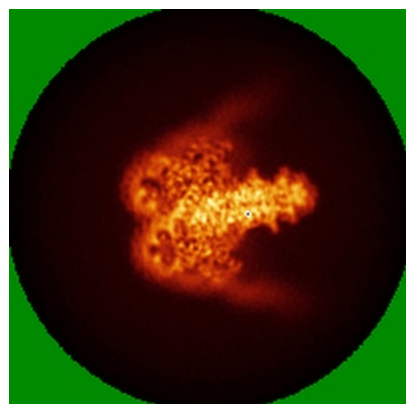


Y

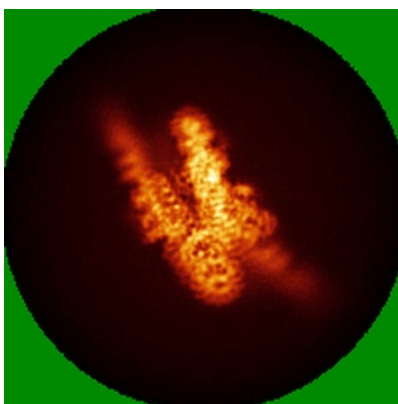


Z

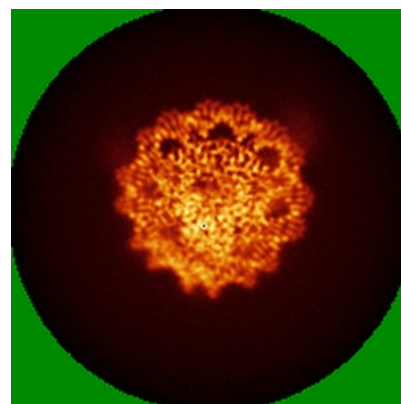
### 6.4.2 Raw map



X



Y

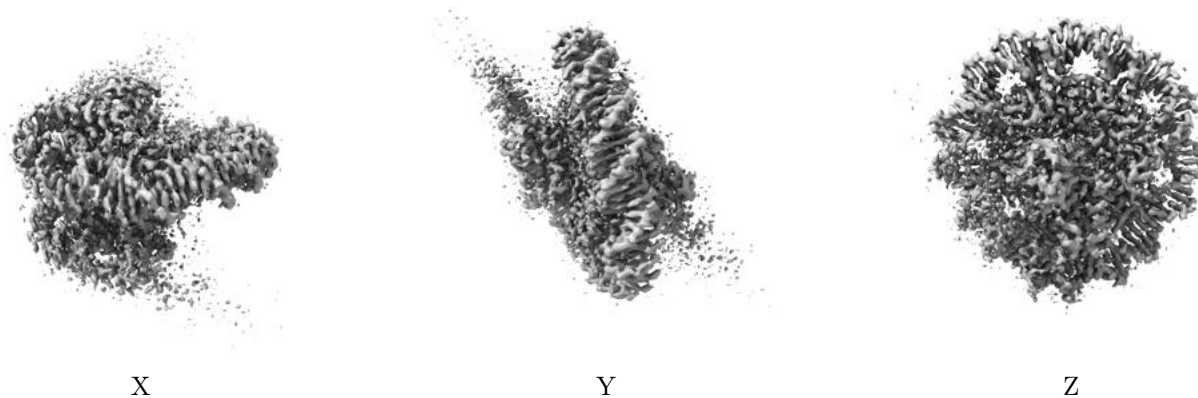


Z

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.

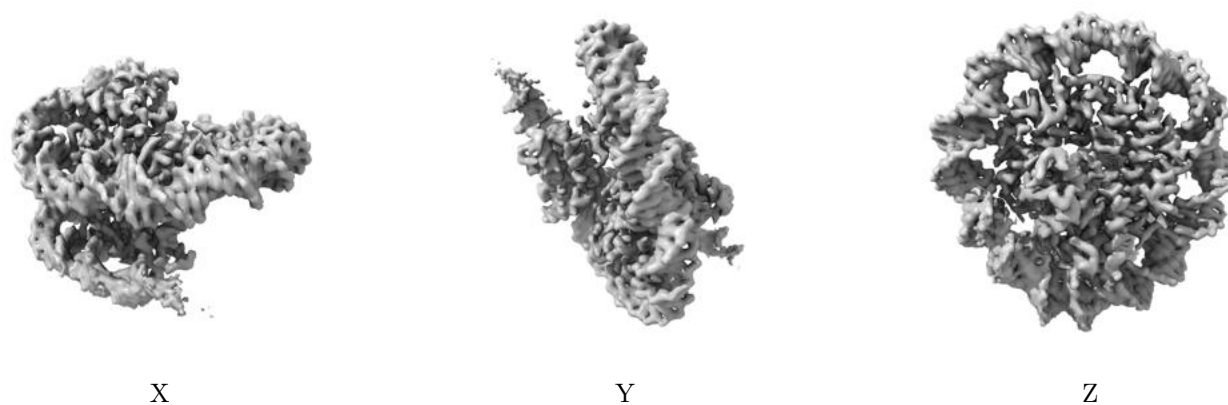
## 6.5 Orthogonal surface views [i](#)

### 6.5.1 Primary map



The images above show the 3D surface view of the map at the recommended contour level 0.018. 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.

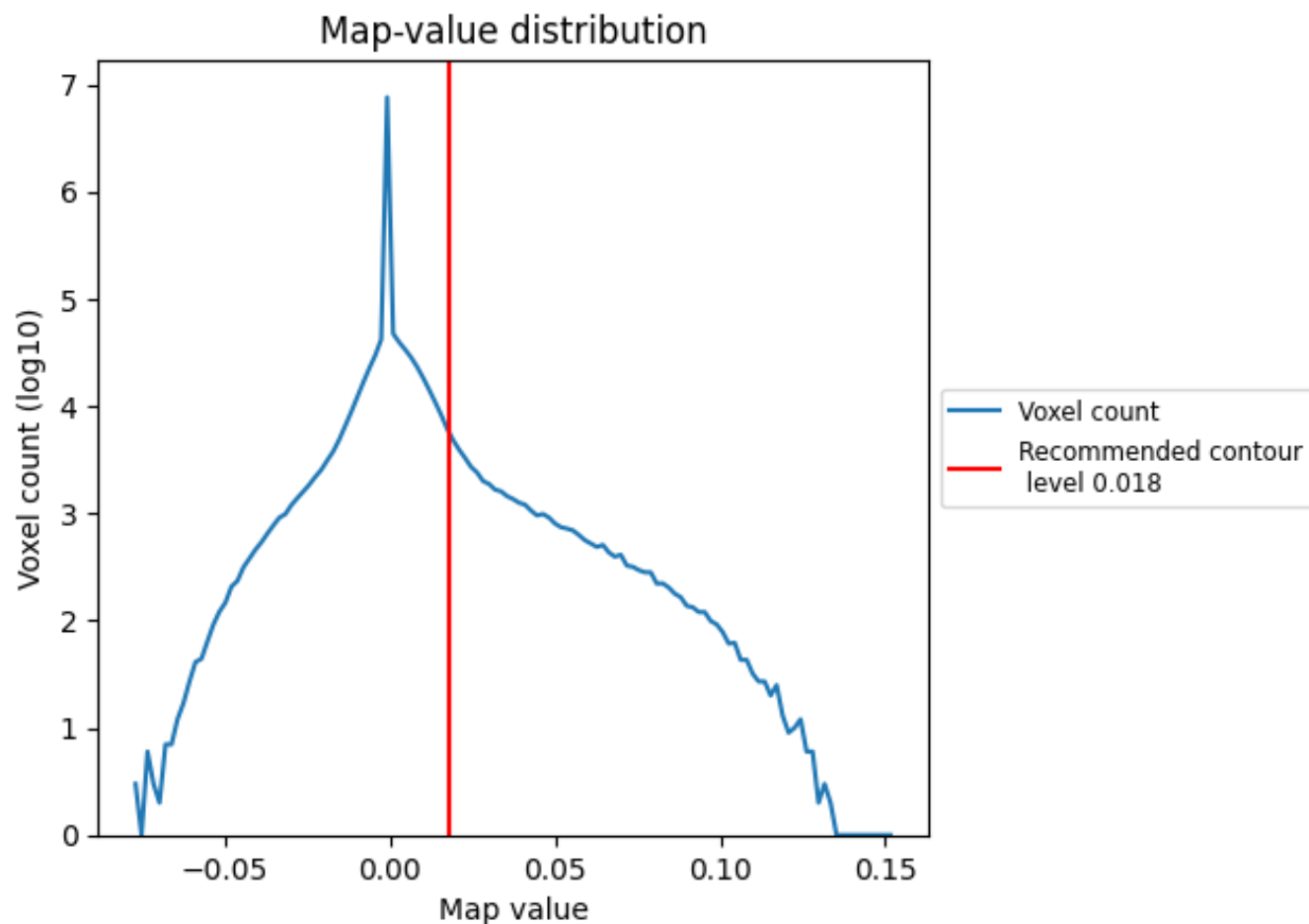
## 6.6 Mask visualisation [i](#)

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

## 7 Map analysis [i](#)

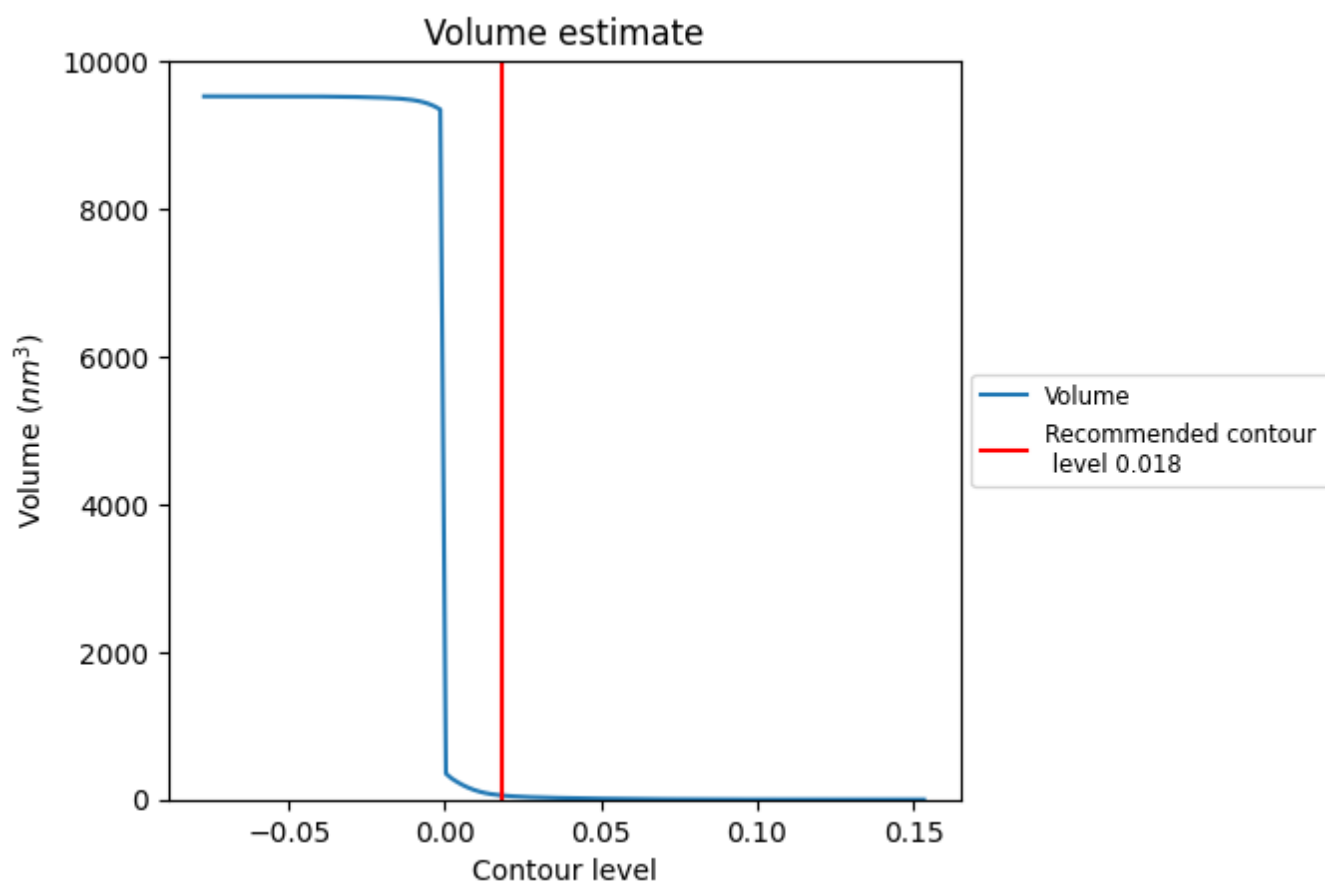
This section contains the results of statistical analysis of the map.

### 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.

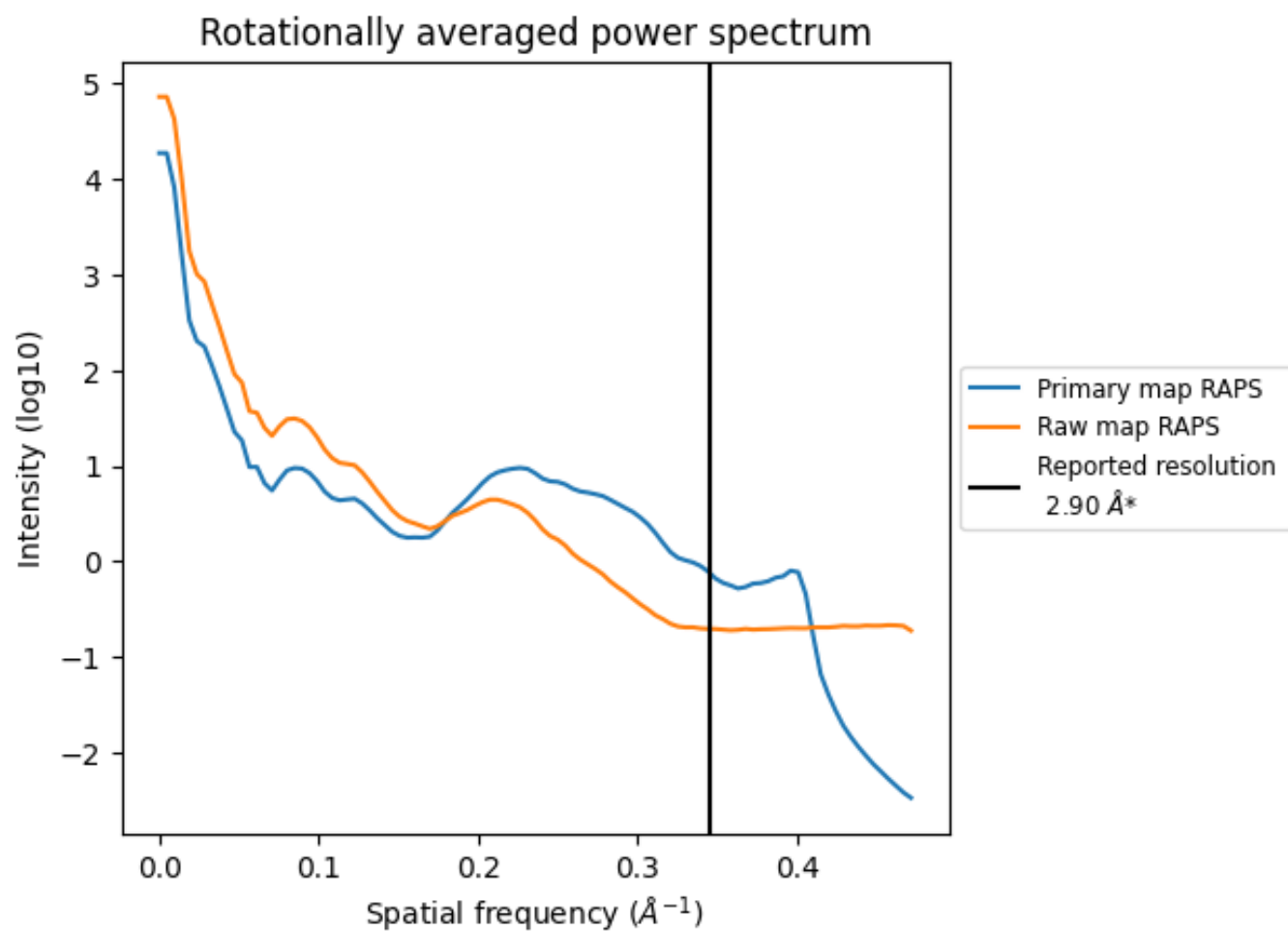
## 7.2 Volume estimate [i](#)



The volume at the recommended contour level is 57 nm<sup>3</sup>; this corresponds to an approximate mass of 51 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 ⓘ

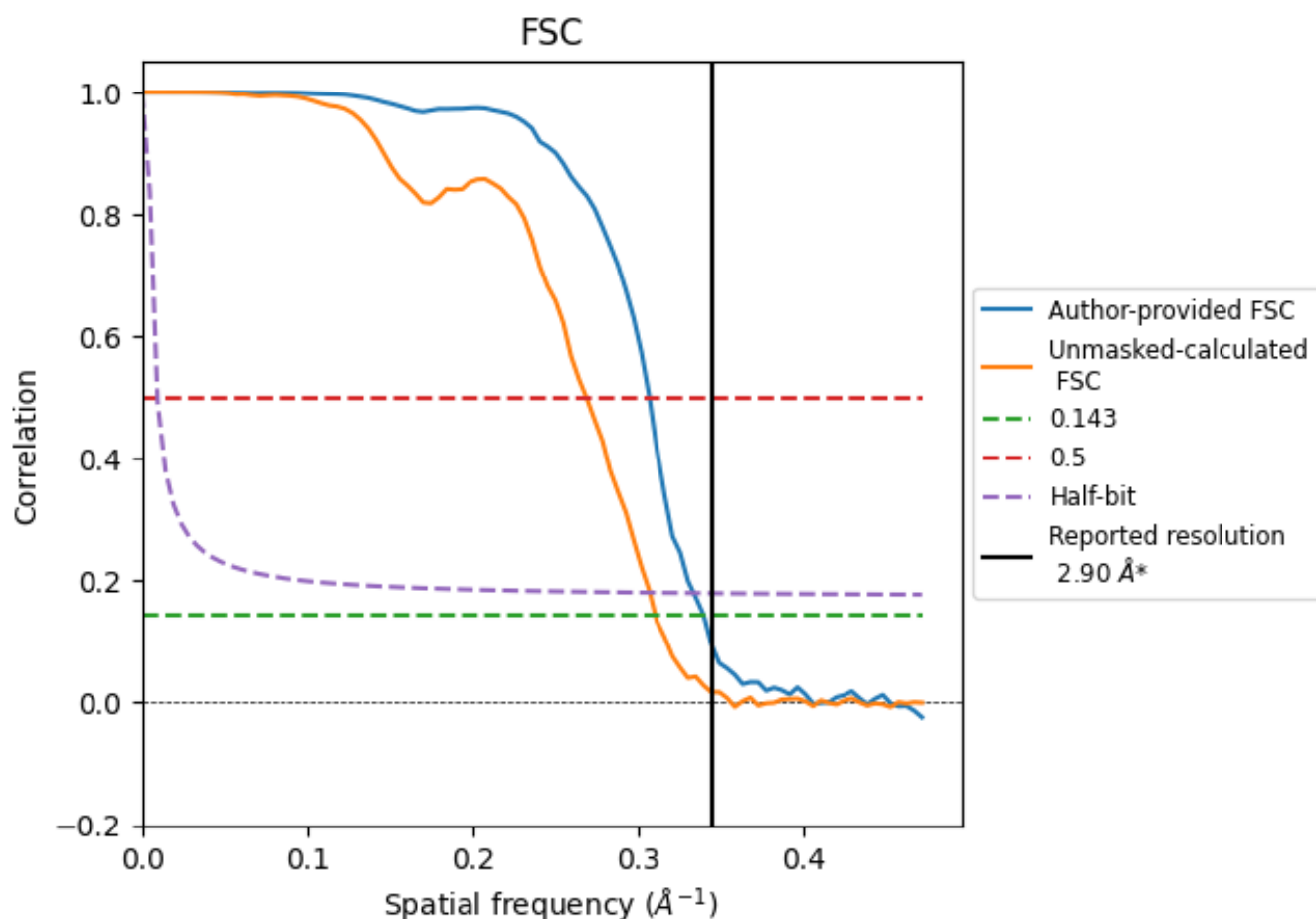


\*Reported resolution corresponds to spatial frequency of 0.345 Å<sup>-1</sup>

## 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 0.345 Å<sup>-1</sup>

## 8.2 Resolution estimates [i](#)

| Resolution estimate (Å)   | Estimation criterion (FSC cut-off) |      |          |
|---------------------------|------------------------------------|------|----------|
|                           | 0.143                              | 0.5  | Half-bit |
| Reported by author        | 2.90                               | -    | -        |
| Author-provided FSC curve | 2.94                               | 3.26 | 3.00     |
| Unmasked-calculated*      | 3.22                               | 3.72 | 3.26     |

\*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 3.22 differs from the reported value 2.9 by more than 10 %



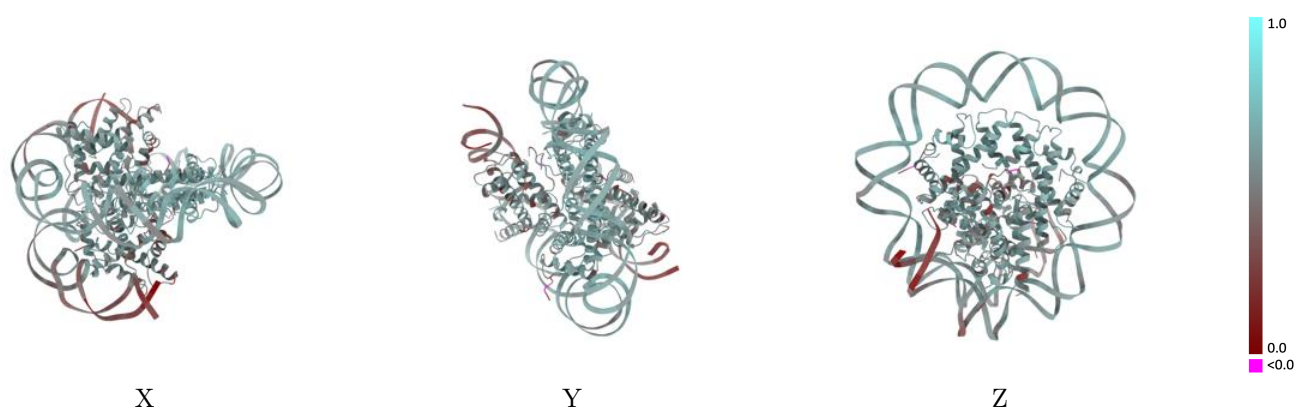
## 9 Map-model fit [i](#)

This section contains information regarding the fit between EMD map EMD-36084 and PDB model 8J91. Per-residue inclusion information can be found in section 3 on page 7.

### 9.1 Map-model overlay [i](#)

This section was not generated.

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



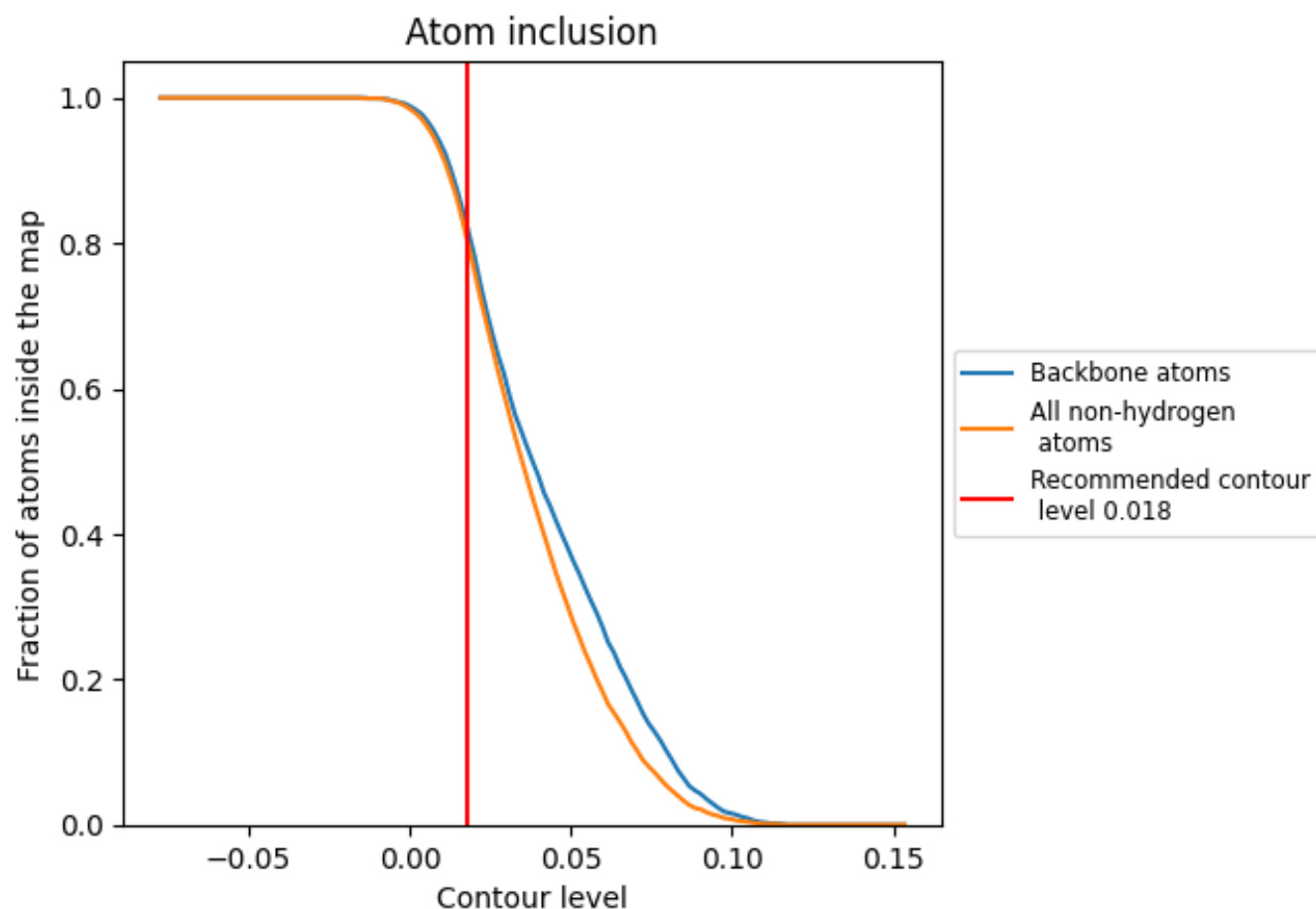
The images above show the model with each residue coloured according to its Q-score. This shows their resolvability in the map with higher Q-score values reflecting better resolvability. Please note: Q-score is calculating the resolvability of atoms, and thus high values are only expected at resolutions 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 (0.018).

## 9.4 Atom inclusion [i](#)



At the recommended contour level, 82% of all backbone atoms, 80% 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 (0.018) and Q-score for the entire model and for each chain.

| Chain | Atom inclusion                | Q-score                       |
|-------|-------------------------------|-------------------------------|
| All   | <div><div></div></div> 0.8040 | <div><div></div></div> 0.5450 |
| A     | <div><div></div></div> 0.8810 | <div><div></div></div> 0.5990 |
| B     | <div><div></div></div> 0.8600 | <div><div></div></div> 0.5800 |
| C     | <div><div></div></div> 0.7950 | <div><div></div></div> 0.5310 |
| D     | <div><div></div></div> 0.7720 | <div><div></div></div> 0.5460 |
| E     | <div><div></div></div> 0.8530 | <div><div></div></div> 0.5900 |
| F     | <div><div></div></div> 0.8770 | <div><div></div></div> 0.5940 |
| G     | <div><div></div></div> 0.7570 | <div><div></div></div> 0.5290 |
| H     | <div><div></div></div> 0.7750 | <div><div></div></div> 0.5450 |
| I     | <div><div></div></div> 0.7920 | <div><div></div></div> 0.5300 |
| J     | <div><div></div></div> 0.7830 | <div><div></div></div> 0.5200 |

1.0

0.0

<0.0