Preliminary Full wwPDB EM Validation Report ⓘ

Apr 8, 2023 – 04:35 PM EDT

Deposition ID : D_1000260486

This wwPDB validation report is NOT for manuscript review

This is a Preliminary Full wwPDB EM Validation Report.

This report is produced by the wwPDB Deposition System
during initial deposition but before annotation of the structure.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMTomogramValidationReportHelp
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.dev50
Validation Pipeline (wwPDB-VP)	:	2.32.2

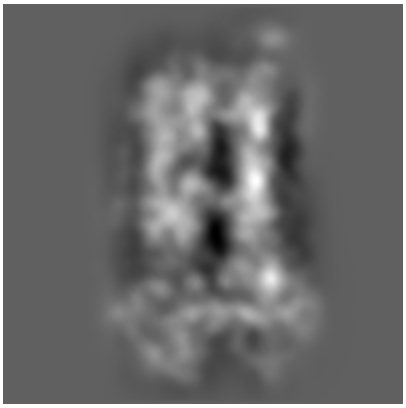
1 Experimental information

Property	Value	Source
EM reconstruction method	TOMOGRAPHY	Depositor
Imposed symmetry	POINT, Not provided	
Number of tilted images used	25	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	PHASE FLIPPING AND AMPLITUDE CORRECTION; The Contrast Transfer Function (CTF) was determined by Gctf and then corrected by TOMOCTF.	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	8	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	81000	Depositor
Image detector	GATAN K3 BIOQUANTUM (6k x 4k)	Depositor
Maximum voxel value	4.912	Depositor
Minimum voxel value	-2.463	Depositor
Average voxel value	0.017	Depositor
Voxel value standard deviation	0.331	Depositor
Recommended contour level	1.0	Depositor
Tomogram size (Å)	240.64, 240.64, 240.64	wwPDB
Tomogram dimensions	128, 128, 128	wwPDB
Tomogram angles (°)	90.0, 90.0, 90.0	wwPDB
Grid spacing (Å)	1.88, 1.88, 1.88	Depositor

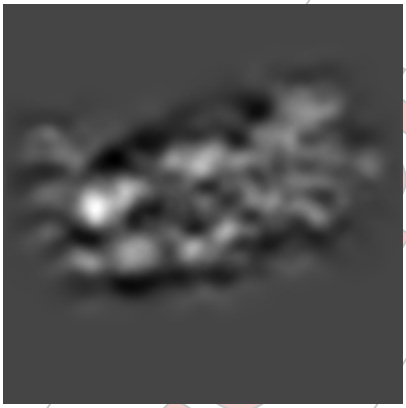
2 Tomogram visualisation

This section contains visualisations of the EMDB entry D_1000260486. These allow visual inspection of the internal detail of the tomogram and identification of artifacts.

2.1 Orthogonal projections



X

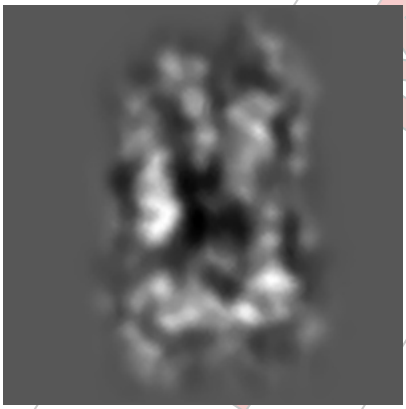


Y

Z

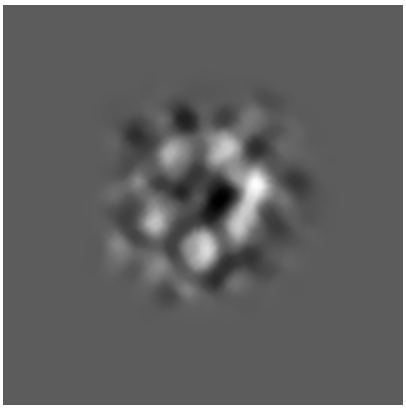
The images above show the tomogram projected in three orthogonal directions.

2.2 Central slices



X Index: 64

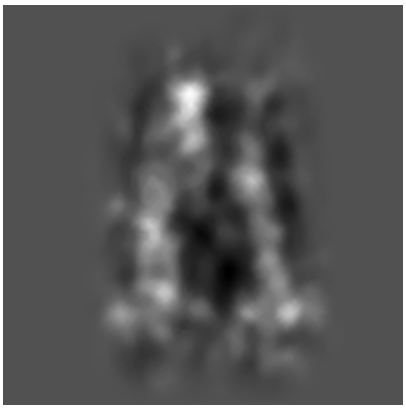
Y Index: 64



Z Index: 64

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

2.3 Largest variance slices (i)



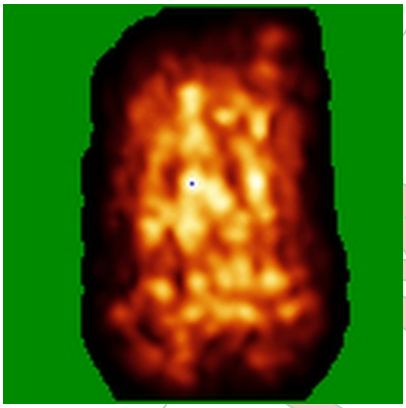
X Index: 59

Y Index: 60

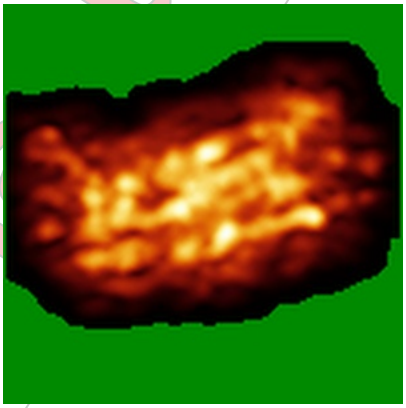
Z Index: 70

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

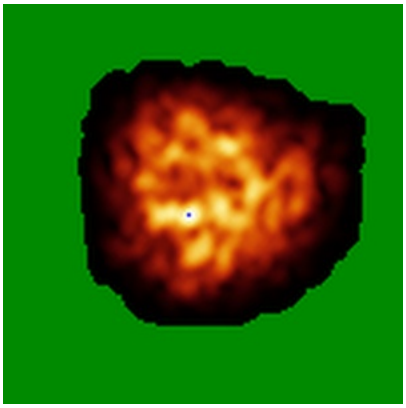
2.4 Orthogonal standard-deviation projections (False-color) (i)



X



Y



Z

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

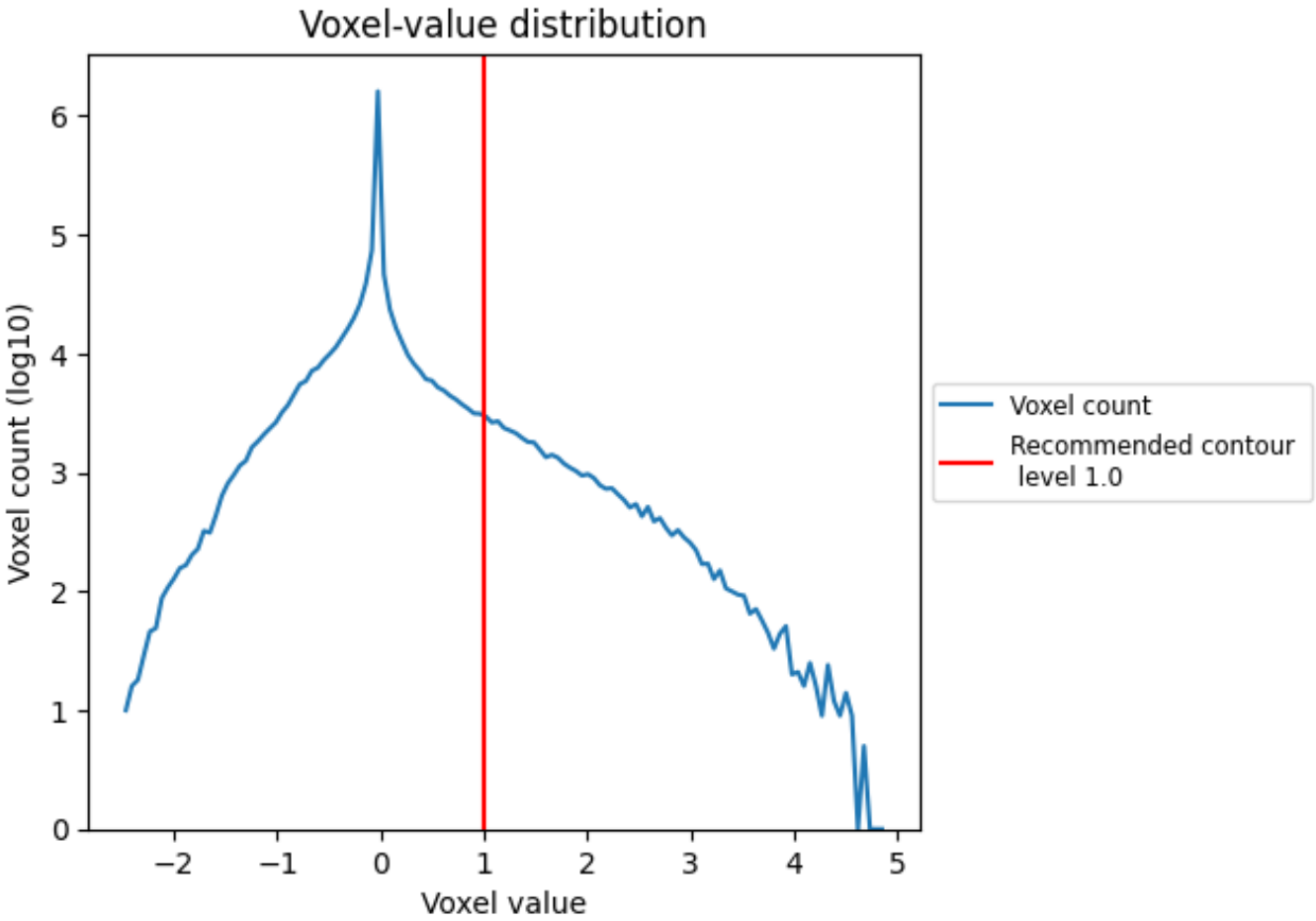
2.5 Mask visualisation (i)

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

3 Tomogram analysis

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

3.1 Voxel-value distribution



The voxel-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic.