wwPDB EM Validation Summary Report ⓘ

Mar 31, 2021 – 10:18 am BST

EMDB ID	:	EMD-2504
Title	:	Septin-Gic1-Cdc42-GppNHp complex in a single-tilt-axis subtomogram
Authors	:	Sadian, Y.; Gatsogiannis, C.; Patasi, C.; Hofnagel, O.; Goody, R.S.; Farkasovsky, M.; Raunser, S.
Deposited on	:	2013-10-27
Resolution	:	60.00 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/EMTomogramValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

1 Experimental information (i)

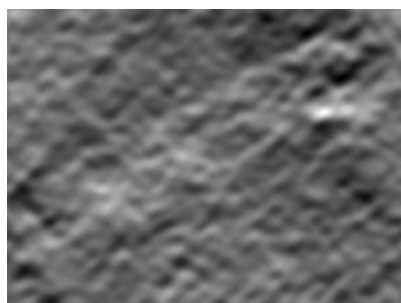| Property	Value	Source
EM reconstruction method	TOMOGRAPHY	Depositor
Imposed symmetry	Not Provided	
Number of tilted images used	61	Depositor
Resolution determination method	OTHER	Depositor
CTF correction method	Not provided	
Microscope	JEOL 3200FSC	Depositor
Voltage (kV)	200	Depositor
Electron dose $(e^-/\text{Å}^2)$	65	Depositor
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	85470.0	Depositor
Image detector	TVIPS TEMCAM-F816 (8k x 8k)	Depositor
Maximum voxel value	154.715	Depositor
Minimum voxel value	90.753	Depositor
Average voxel value	117.258	Depositor
Voxel value standard deviation	4.643	Depositor
Recommended contour level	Not applicable	
Tomogram size (Å)	1065.6, 864.0, 1440.0	wwPDB
Tomogram dimensions	148, 120, 200	wwPDB
Tomogram angles (°)	90.0, 90.0, 90.0	wwPDB
Grid spacing (Å)	7.2, 7.2, 7.2	Depositor

2 Tomogram visualisation (i)

This section contains visualisations of the EMDB entry EMD-2504. These allow visual inspection of the internal detail of the tomogram and identification of artifacts.
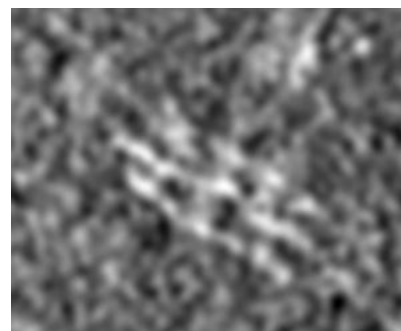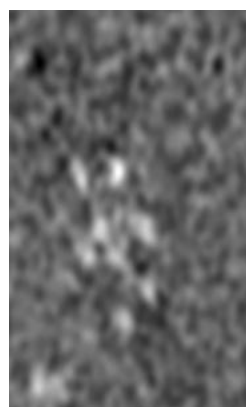
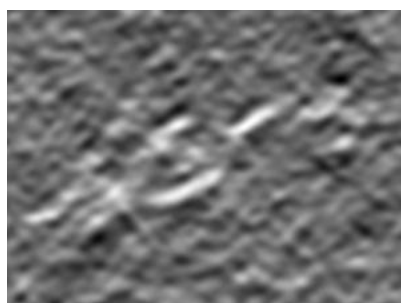## 2.1 Orthogonal projections (i)

X   Y   Z

The images above show the tomogram projected in three orthogonal directions.
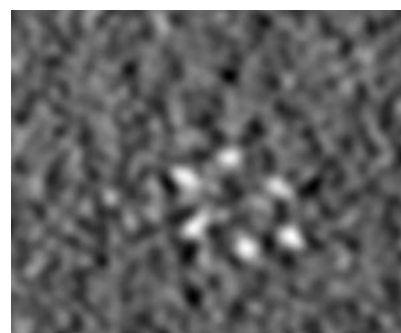
2.2 Central slices (i)

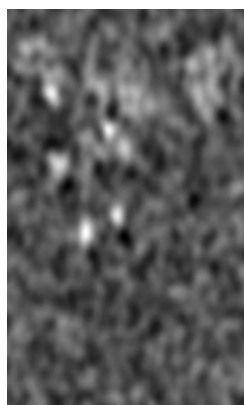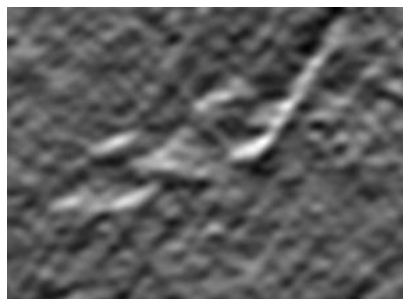X Index: 74   Y Index: 60   Z Index: 100

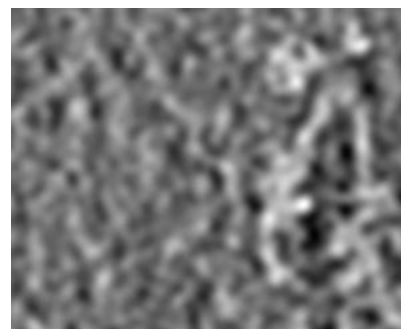The images above show central slices of the tomogram in three orthogonal directions.

2.3 Largest variance slices (i)

X Index: 97

Y Index: 52

Z Index: 164

The images above show the largest variance slices of the tomogram in three orthogonal directions.
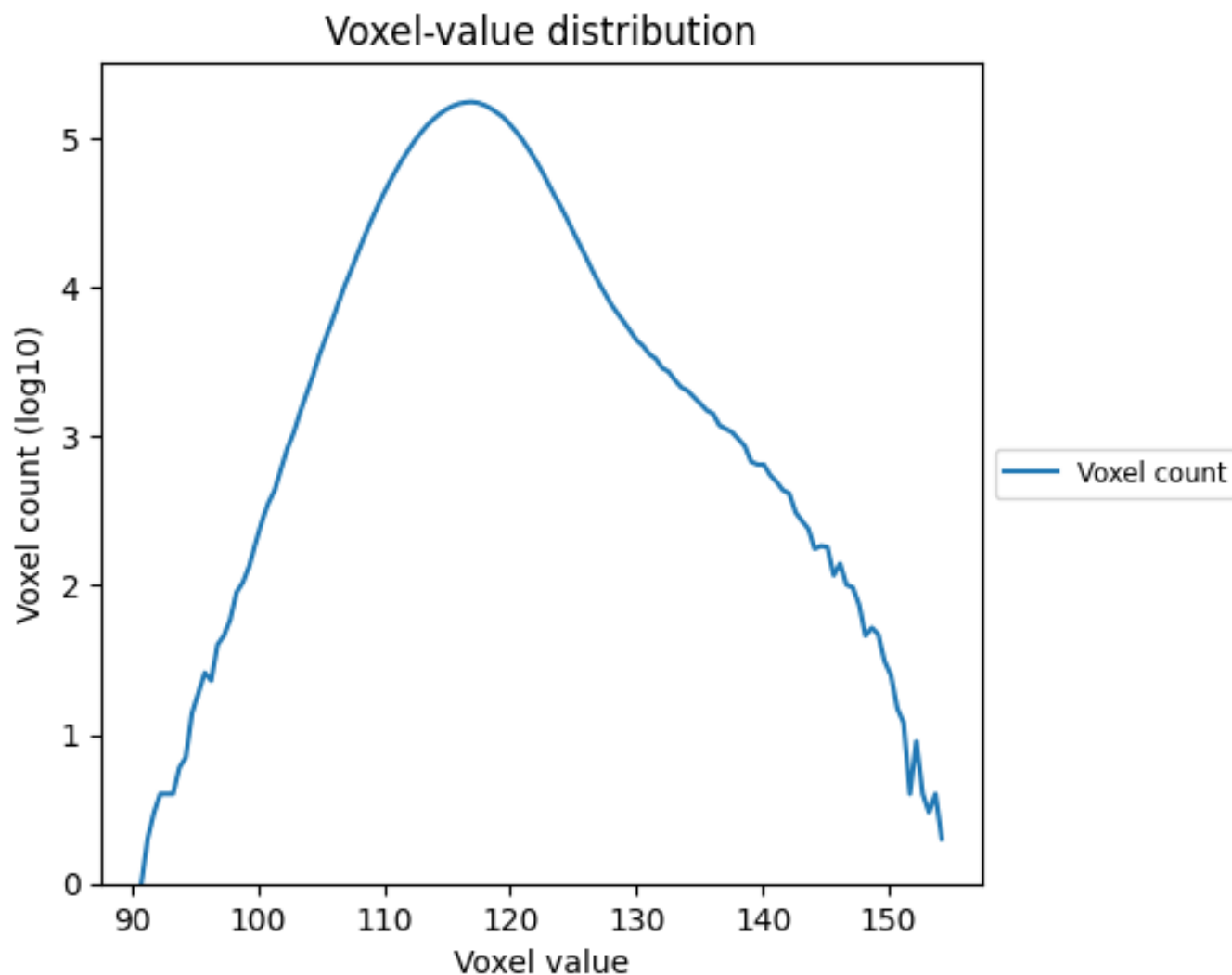
2.4 Mask visualisation (i)

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

3 Tomogram analysis (i)

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

3.1 Voxel-value distribution (i)

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