wwPDB EM Validation Summary Report (i)

May 19, 2021 – 05:00 pm BST

EMDB ID	:	EMD-11410
Title	:	Native putative AMPAR type glutamate receptor, model guided
Authors	:	Martinez, A.; Lucic, V.
Deposited on	:	2020-07-16
Resolution	:	33.67 Å(reported)

1   Experimental information (i)

| Property	Value	Source
EM reconstruction method	TOMOGRAPHY	Depositor
Imposed symmetry	Not Provided	
Number of tilted images used	257	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose $(e^-/\text{Å}^2)$	1.66	Depositor
Minimum defocus (nm)	0.5	Depositor
Maximum defocus (nm)	1.0	Depositor
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum voxel value	1.501	Depositor
Minimum voxel value	-1.378	Depositor
Average voxel value	-0.001	Depositor
Voxel value standard deviation	0.168	Depositor
Recommended contour level	Not applicable	
Tomogram size (Å)	437.76, 437.76, 437.76	wwPDB
Tomogram dimensions	64, 64, 64	wwPDB
Tomogram angles (°)	90.0, 90.0, 90.0	wwPDB
Grid spacing (Å)	6.84, 6.84, 6.84	Depositor

2 Tomogram visualisation (i)

This section contains visualisations of the EMDB entry EMD-11410. These allow visual inspection of the internal detail of the tomogram and identification of artifacts.

2.1 Orthogonal projections (i)
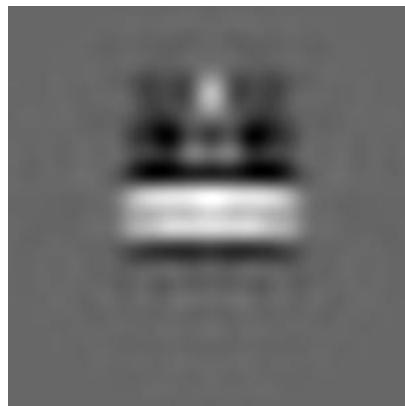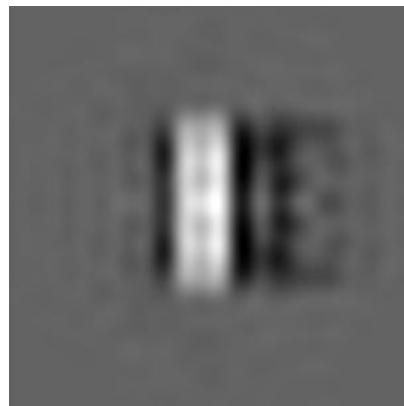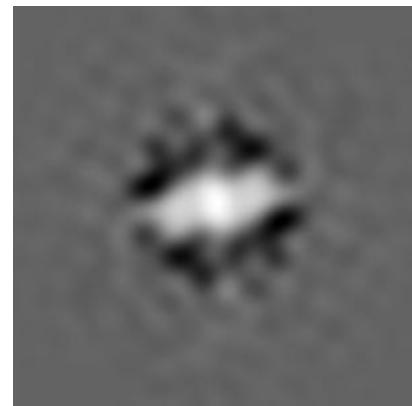
X   Y   Z

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

2.2 Central slices (i)
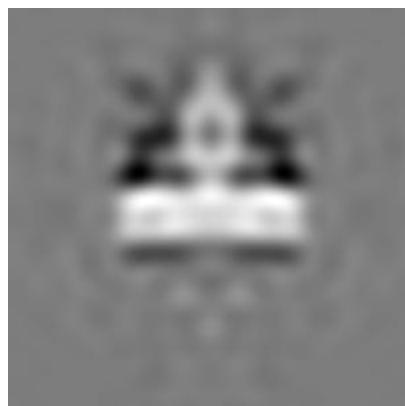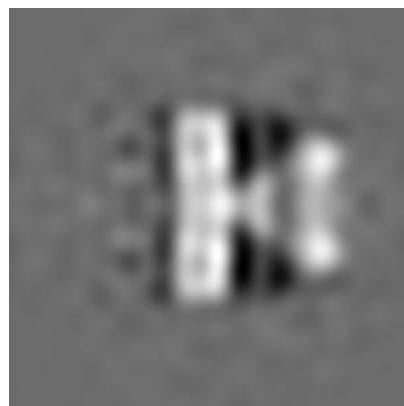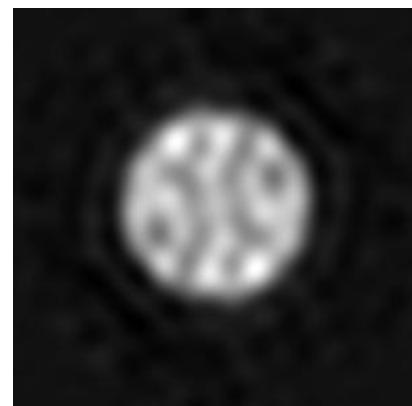
X Index: 32   Y Index: 32   Z Index: 32

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

2.3 Largest variance slices (i)
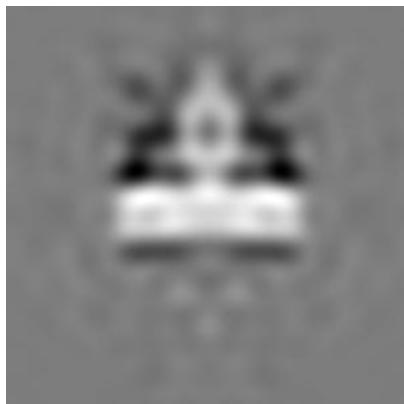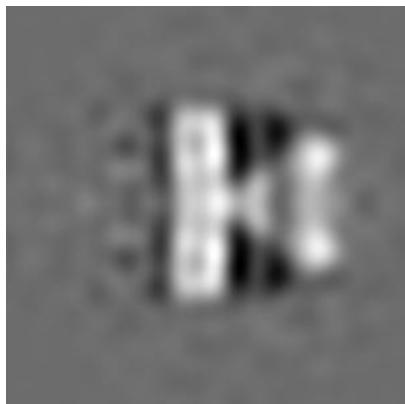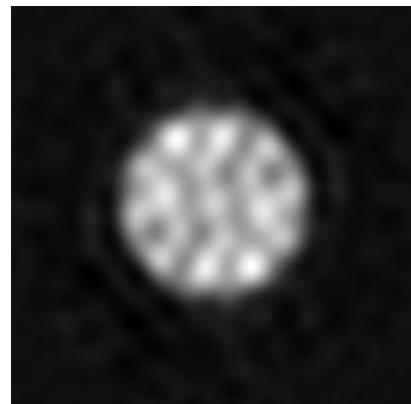
X Index: 32   Y Index: 32   Z Index: 33

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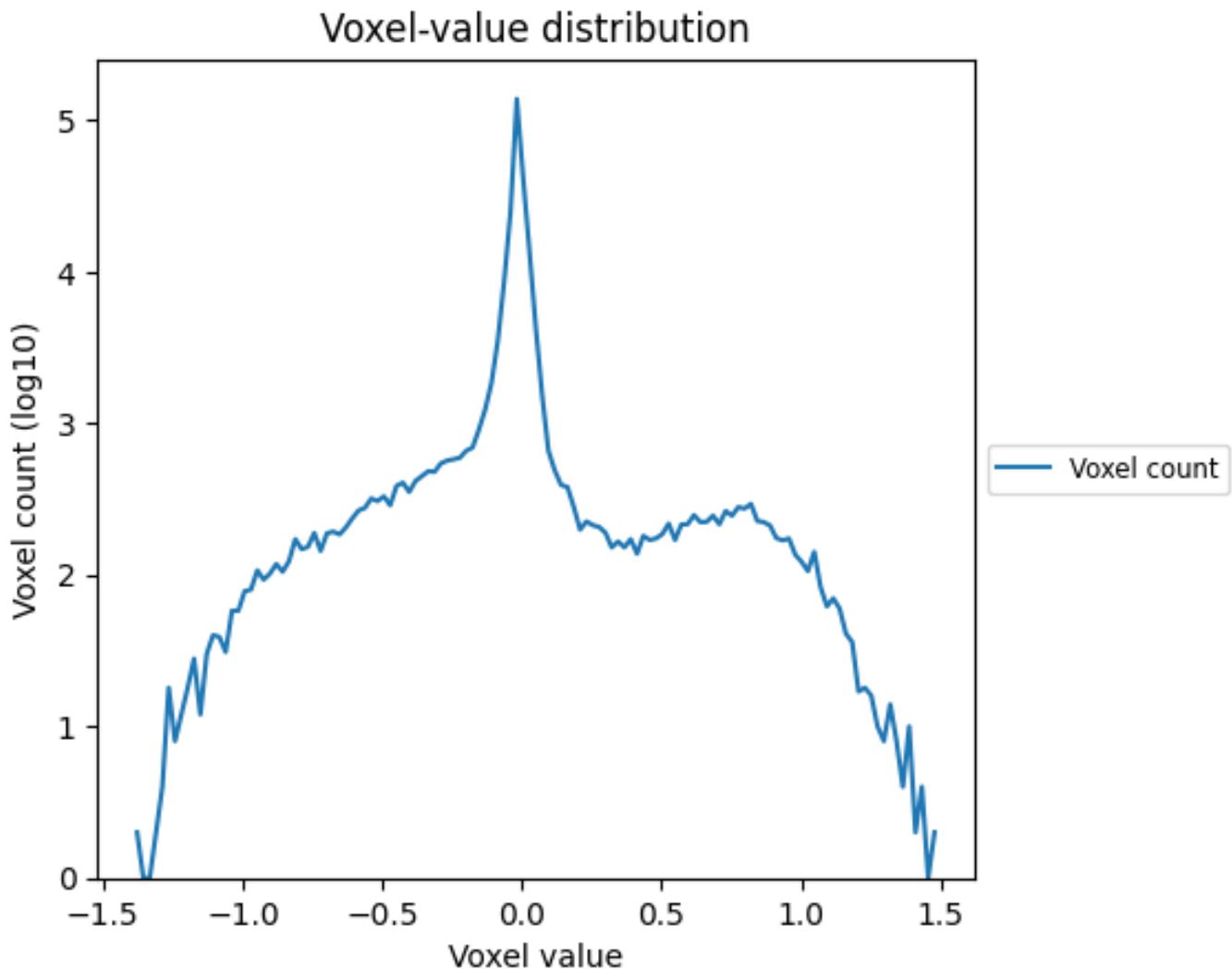
The voxel-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic.