



wwPDB EM Validation Summary Report ⓘ

Dec 5, 2022 – 02:10 PM JST

EMDB ID : EMD-30752
Title : Liganded EGFR averaged cluster 12
Authors : Purba, E.R.; Saita, E.I.; Akhouri, R.R.; Ofverstedt, L.G.; Wilken, G.; Skoglund, U.; Maruyama, I.N.
Deposited on : 2020-12-03
Resolution : 15.00 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.

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.dev43
Validation Pipeline (wwPDB-VP) : 2.31.3

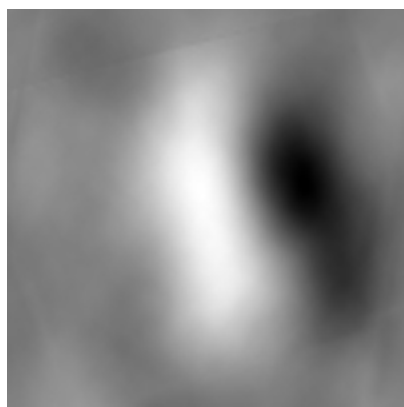
1 Experimental information ⓘ

| Property | Value | Source |
|--------------------------------------|---------------------------------|-----------|
| EM reconstruction method | TOMOGRAPHY | Depositor |
| Imposed symmetry | Not Provided | |
| Number of tilted images used | 141 | Depositor |
| Resolution determination method | OTHER | Depositor |
| CTF correction method | Not provided | |
| Microscope | FEI TITAN KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 90.0 | Depositor |
| Minimum defocus (nm) | 1.0 | Depositor |
| Maximum defocus (nm) | 1.5 | Depositor |
| Magnification | 37000.0 | Depositor |
| Image detector | FEI FALCON II (4k x 4k) | Depositor |
| Maximum voxel value | 0.659 | Depositor |
| Minimum voxel value | 0.086 | Depositor |
| Average voxel value | 0.407 | Depositor |
| Voxel value standard deviation | 0.060 | Depositor |
| Recommended contour level | Not applicable | |
| Tomogram size (Å) | 248.38002, 248.38002, 248.38002 | wwPDB |
| Tomogram dimensions | 110, 110, 110 | wwPDB |
| Tomogram angles (°) | 90.0, 90.0, 90.0 | wwPDB |
| Grid spacing (Å) | 2.2580001, 2.2580001, 2.2580001 | Depositor |

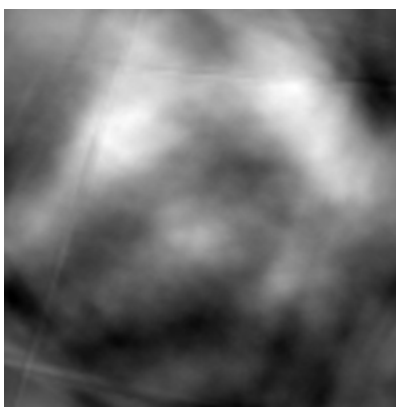
2 Tomogram visualisation [i](#)

This section contains visualisations of the EMDB entry EMD-30752. These allow visual inspection of the internal detail of the tomogram and identification of artifacts.

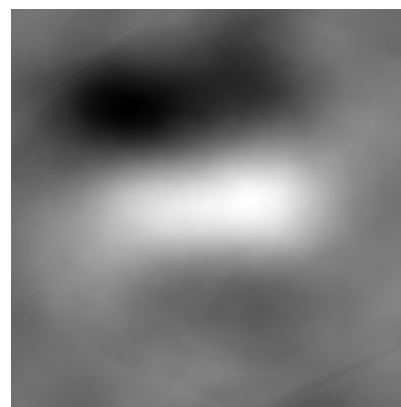
2.1 Orthogonal projections [i](#)



X



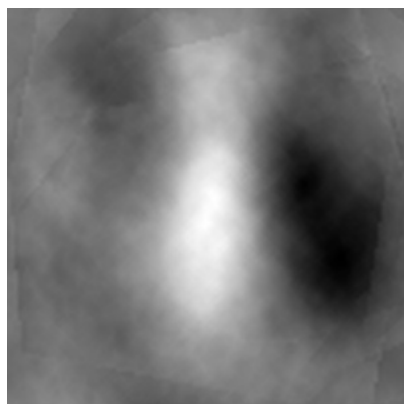
Y



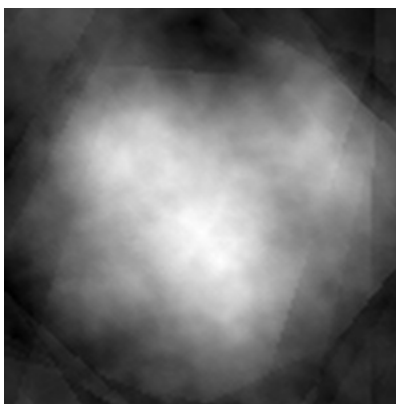
Z

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

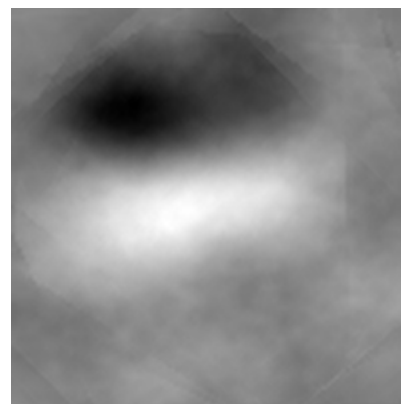
2.2 Central slices [i](#)



X Index: 55



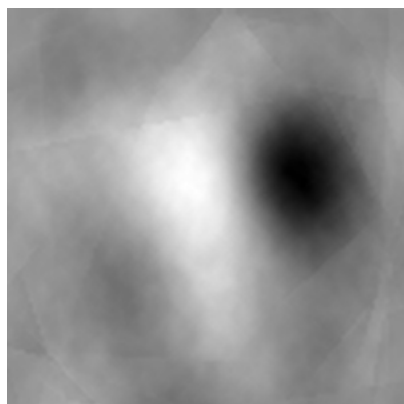
Y Index: 55



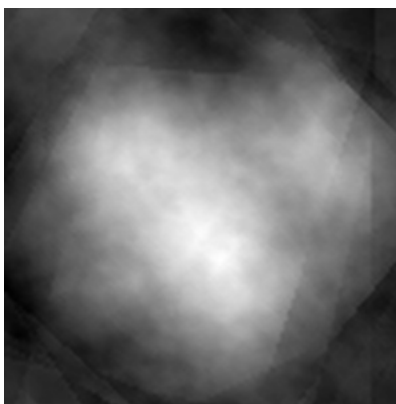
Z Index: 55

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

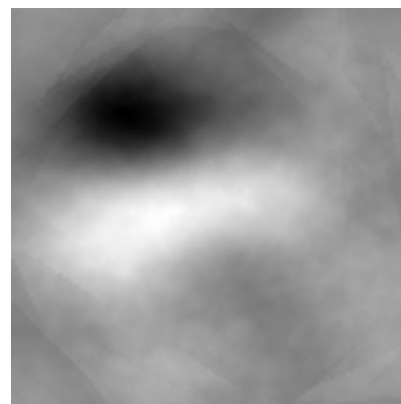
2.3 Largest variance slices [i](#)



X Index: 34



Y Index: 54



Z Index: 63

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

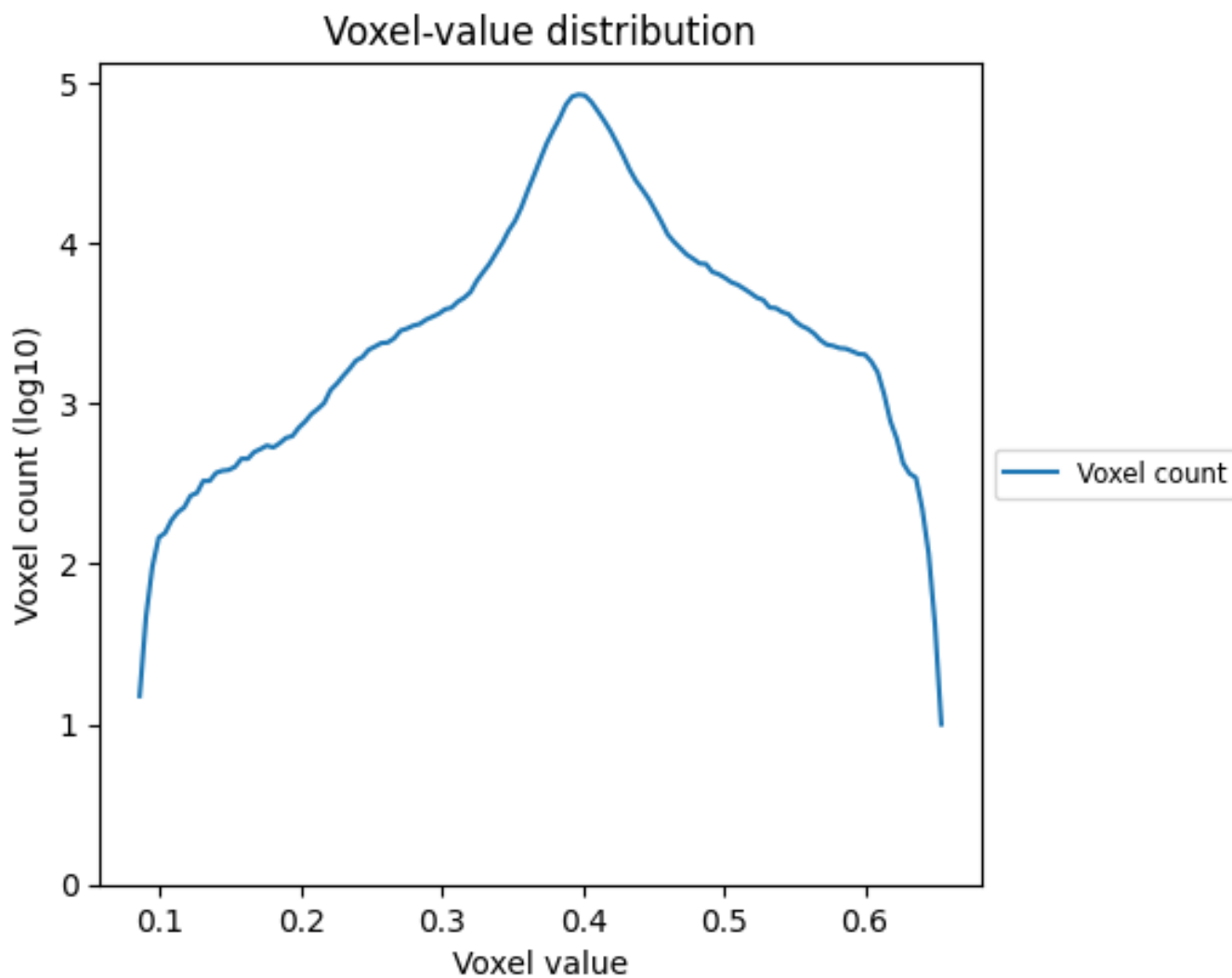
2.4 Mask visualisation [i](#)

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.