



Full wwPDB EM Validation Report ⓘ

Apr 22, 2025 – 08:52 AM EDT

EMDB ID : EMD-49937
Title : CLEM Cilium N7 for IFT motion study
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Deposited on : 2025-03-28
Resolution : Not provided

This is a Full wwPDB EM Validation 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.dev117
Validation Pipeline (wwPDB-VP) : 2.42

1 Experimental information

| Property | Value | Source |
|--------------------------------------|-----------------------------|-----------|
| EM reconstruction method | TOMOGRAPHY | Depositor |
| Imposed symmetry | Not Provided | |
| Number of tilted images used | 13400 | Depositor |
| Resolution determination method | Not provided | |
| CTF correction method | Not provided | |
| Microscope | FEI TECNAI F20 | Depositor |
| Voltage (kV) | 200 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 15.0 | Depositor |
| Minimum defocus (nm) | 2.5 | Depositor |
| Maximum defocus (nm) | 3.5 | Depositor |
| Magnification | 19000.0 | Depositor |
| Image detector | TVIPS TEMCAM-F416 (4k x 4k) | Depositor |

2 Tomogram visualisation

This section contains visualisations of the EMDB entry EMD-49937. These allow visual inspection of the internal detail of the tomogram and identification of artifacts.

2.1 Orthogonal projections

This section was not generated.

2.2 Central slices

This section was not generated.

2.3 Largest variance slices

This section was not generated.

2.4 Orthogonal standard-deviation projections (False-color)

This section was not generated.

2.5 Mask visualisation

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

MAP-ANALYSIS INFOmissingINFO