



wwPDB EM Validation Summary Report ⓘ

Apr 22, 2025 – 08:52 AM EDT

EMDB ID : EMD-49937
Title : CLEM Cilium N7 for IFT motion study
Authors : Sun, S.; Liang, B.; Koplas, A.; Tikhonenko, I.; Nachury, M.; Khodjakov, A.; Sui, H.
Deposited on : 2025-03-28
Resolution : Not provided

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.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