



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:03 am GMT

EMDB ID : EMD-20164
Title : The central pair apparatus focusing on the C1a-e-c supercomplex extracted from the cryo-electron tomography and subtomographic average of isolated Chlamydomonas fap81 mutant axoneme
Authors : , Fu.G.; , Nicastro.D.
Deposited on : 2019-04-26
Resolution : 22.00 Å(reported)

This is a wwPDB EM Map 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/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**
Validation Pipeline (wwPDB-VP) : 2.13

1 Experimental information

| Property | Value | Source |
|--------------------------------------|---------------------------|-----------|
| EM reconstruction method | subtomogramAveraging | Depositor |
| Imposed symmetry | Not Provided | Depositor |
| Number of images used | 947 | Depositor |
| Resolution determination method | FSC 0.5 CUT-OFF | Depositor |
| CTF correction method | Not provided | Depositor |
| Microscope | FEI TITAN KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 1.57 | Depositor |
| Minimum defocus (nm) | 0.2 | Depositor |
| Maximum defocus (nm) | 0.5 | Depositor |
| Magnification | 26000.0 | Depositor |
| Image detector | GATAN K2 SUMMIT (4k x 4k) | Depositor |