



Full wwPDB EM Validation Report ⓘ

Feb 24, 2025 – 12:05 pm GMT

EMDB ID : EMD-52138
Title : In situ human cytoplasmic ring subunit of nuclear pore complex (FIB-lamella data of mock infected macrophages)
Authors : Kreysing, J.P.; Welsch, S.; Turonova, B.; Beck, M.
Deposited on : 2024-11-19
Resolution : 27.90 Å(reported)

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/EMMapValidationReportHelp>

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 : **FAILED**
Validation Pipeline (wwPDB-VP) : 2.41

1 Experimental information

| Property | Value | Source |
|--------------------------------------|-------------------------|-----------|
| EM reconstruction method | SUBTOMOGRAM AVERAGING | Depositor |
| Imposed symmetry | POINT, C1 | Depositor |
| Number of subtomograms used | 721 | Depositor |
| Resolution determination method | FSC 0.143 CUT-OFF | Depositor |
| CTF correction method | Not provided | |
| Microscope | TFS KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 2.2 | Depositor |
| Minimum defocus (nm) | 2.0 | Depositor |
| Maximum defocus (nm) | 4.0 | Depositor |
| Magnification | 53000.0 | Depositor |
| Image detector | FEI FALCON IV (4k x 4k) | Depositor |