# Full wwPDB EM Map Validation Report (i)

Dec 9, 2020 – 01:18 pm GMT

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|---|---|---|
| EMDB ID | : | EMD-7714 |
| Title | : | Single-Molecule 3D Image of neurexin 1 alpha by Individual Particle Electron Tomography (No. 057) |
| Authors | : | , Liu.JF.; , Misra.A.; , Reddy.S.; , White.MA.; , Ren.G.; , Rudenko.G. |
| Deposited on | : | 2018-03-27 |
| Resolution | : | 14.86 Å(reported) |

This is a Full wwPDB EM Map 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 (i) symbol.

The following versions of software and data (see references (1)) were used in the production of this report:

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

# 1 Experimental information (i)

| Property | Value | Source |
|---|---|---|
| EM reconstruction method | tomography | Depositor |
| Imposed symmetry | Not Provided | Depositor |
| Number of images used | 65 | Depositor |
| Resolution determination method | FSC 0.5 CUT-OFF | Depositor |
| CTF correction method | Micrographs were aligned together by IMOD. The CTF was corrected by TOMOCTF. | Depositor |
| Microscope | ZEISS LIBRA120PLUS | Depositor |
| Voltage (kV) | 120 | Depositor |
| Electron dose ($e^-/Å^2$) | 15.0 | Depositor |
| Minimum defocus (nm) | Not provided | Depositor |
| Maximum defocus (nm) | Not provided | Depositor |
| Magnification | 80000.0 | Depositor |
| Image detector | GATAN ULTRASCAN 4000 (4k x 4k) | Depositor |