Full wwPDB EM Map Validation Report (i)

Dec 9, 2020 – 01:15 pm GMT

EMDB ID	:	EMD-7643
Title	:	Single-Molecule 3D Image of neurexin 1 alpha by Individual Particle Electron Tomography (No. 001)
Authors	:	, Liu.JF.; , Misra.A.; , Reddy.S.; , White.MA.; , Ren.G.; , Rudenko.G.
Deposited on	:	2018-03-27
Resolution	:	15.74 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:

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