wwPDB EM Validation Summary Report (i)

Aug 16, 2022 – 07:32 pm BST

EMDB ID	:	EMD-14942
Title	:	Map1 from paper entitled: Structure of a cholinergic cell membrane
Authors	:	Unwin, N.; Unwin, N.
Deposited on	:	2022-05-07
Resolution	:	5.50 Å(reported)

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/EMMapValidationReportHelp
with specific help available everywhere you see the (i) 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 (1)) were used in the production of this report:

EMDB validation analysis	:	FAILED
Validation Pipeline (wwPDB-VP)	:	2.29

1 Experimental information (i)

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=146.981°, rise=5.88 Å, axial sym=D1	Depositor
Number of segments used	11858	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	CTF correction was applied locally along the axis of each tube, using the non dose-weighted images.	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	40.0	Depositor
Minimum defocus (nm)	1.4000000000000001	Depositor
Maximum defocus (nm)	2.8000000000000003	Depositor
Magnification	59000.0	Depositor
Image detector	FEI FALCON III (4k x 4k)	Depositor