



## Full wwPDB EM Validation Report ⓘ

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 Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto: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>.

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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) : 2.29

# 1 Experimental information

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 ( $e^-/\text{Å}^2$ )	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