



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:27 pm GMT

EMDB ID : EMD-7523
Title : cryo-EM reconstruction of microtubule-bound 4R-tau
Authors : , Nogales.E.; , Hejab.NMA.; , Kellogg.EH.
Deposited on : 2018-03-06
Resolution : 4.80 Å(reported)

This is a wwPDB EM Map 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 ⓘ symbol.

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) : 2.13

1 Experimental information

Property	Value	Source
EM reconstruction method	helical	Depositor
Imposed symmetry	HELICAL, twist=-25.76°, rise=8.6 Å, axial sym=C1	Depositor
Number of images used	24618	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TITAN	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	27.5	Depositor
Minimum defocus (nm)	1.0	Depositor
Maximum defocus (nm)	2.5	Depositor
Magnification	27500.	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor