



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:34 pm GMT

EMDB ID : EMD-7977
Title : Preformed GMPCPP microtubule washed with EB3, class 2
Authors : , Zhang.R.; , Nogales.E.
Deposited on : 2018-06-09
Resolution : 4.10 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 ⓘ 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=-25.787°, rise=8.805 Å, axial sym=C1	Depositor
Number of images used	13159	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 ($e^-/\text{\AA}^2$)	1.44	Depositor
Minimum defocus (nm)	0.8	Depositor
Maximum defocus (nm)	2.7	Depositor
Magnification	27500.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor