



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:53 pm GMT

EMDB ID : EMD-9637  
Title : 5R-MAP4, kinesin-1, and microtubule complex  
Authors : , Shigematsu.H.; , Imasaki.T.; , Doki.C.; , Sumi.T.; , Aoki.M.; , Uchikubo-Kamo.T.; , Sakamoto.A.; , Tokuraku.K.; , Shirouzu.M.; , Nitta.R.  
Deposited on : 2018-08-28  
Resolution : 7.29 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](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.

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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) : 2.13

# 1 Experimental information

Property	Value	Source
EM reconstruction method	helical	Depositor
Imposed symmetry	HELICAL, twist=-25.76°, rise=8.7 Å, axial sym=C1	Depositor
Number of images used	15148	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TECNAI ARCTICA	Depositor
Voltage (kV)	200	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	55.0	Depositor
Minimum defocus (nm)	1.5	Depositor
Maximum defocus (nm)	2.5	Depositor
Magnification	78000.	Depositor
Image detector	FEI FALCON II (4k x 4k)	Depositor