



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:46 pm GMT

EMDB ID : EMD-5989  
Title : Electron cryo-tomography of the Microtubule Nucleation Complex in the Yeast Spindle Pole Body  
Authors : , Kollman.JM.; , Greenberg.C.; , Li.S.; , Fernandez.JJ.; , Moritz.M.; , Zelter.A.; , Fong.K.; , Sali.A.; , Kilmartin.JV.; , Davis.TN.; , Agard.DA.  
Deposited on : 2014-06-13  
Resolution : 38.00 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	subtomogramAveraging	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	1156	Depositor
Resolution determination method	OTHER	Depositor
CTF correction method	each image, Wiener filter	Depositor
Microscope	FEI POLARA 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	60	Depositor
Minimum defocus (nm)	1.0	Depositor
Maximum defocus (nm)	1.5	Depositor
Magnification	56391.0	Depositor
Image detector	OTHER	Depositor