



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:50 pm GMT

EMDB ID : EMD-8759  
Title : Yeast microtubule assembled using the slowly hydrolyzable analogue GTPgammaS  
Authors : , Howes.SC.; , Geyer.EA.; , LaFrance.B.; , Zhang.R.; , Kellogg.EH.; , Westermann.S.; , Rice.LM.; , Nogales.E.  
Deposited on : 2017-06-07  
Resolution : 6.00 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](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=-29.9°, rise=10.3 Å, axial sym=C1 | Depositor |
| Number of images used                | 4999   | 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 ( $e^-/\text{\AA}^2$ ) | 28.0   | Depositor |
| Minimum defocus (nm)                 | Not provided                                     | Depositor |
| Maximum defocus (nm)                 | Not provided                                     | Depositor |
| Magnification                        | Not provided                                     | Depositor |
| Image detector                       | GATAN K2 SUMMIT (4k x 4k)                        | Depositor |