



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:53 pm GMT

EMDB ID : EMD-9637  
Title : 5R-MAP4, kinesin-1, and microtubule complex  
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Deposited on : 2018-08-28  
Resolution : 7.29 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=-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 |