



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:58 pm GMT

EMDB ID : EMD-6514  
Title : 3D reconstruction of tarantula thick filaments  
Authors : , Yang.S.; , Woodhead.JL.; , Zhao.F.; , Sulbaran.G.; , Craig.R.  
Deposited on : 2015-11-12  
Resolution : 30.00 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             | singleParticle                               | Depositor |
| Imposed symmetry                     | HELICAL, twist=30°, rise=145 Å, axial sym=C4 | Depositor |
| Number of images used                | 3174   | Depositor |
| Resolution determination method      | OTHER  | Depositor |
| CTF correction method                | each particle                                | Depositor |
| Microscope                           | FEI TITAN KRIOS                              | Depositor |
| Voltage (kV)                         | 120  | Depositor |
| Electron dose ( $e^-/\text{\AA}^2$ ) | 20   | Depositor |
| Minimum defocus (nm)                 | 1.1  | Depositor |
| Maximum defocus (nm)                 | 4.5  | Depositor |
| Magnification                        | 109000.0                                     | Depositor |
| Image detector                       | GATAN ULTRASCAN 4000 (4k x 4k)               | Depositor |