



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:59 pm GMT

EMDB ID : EMD-6513  
Title : 3D reconstruction of tarantula thick filaments  
Authors : , Yang.S.; , Woodhead.JL.; , Zhao.F.; , Sulbaran.G.; , Craig.R.  
Deposited on : 2015-11-12  
Resolution : 17.00 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	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