



Full wwPDB EM Map Validation 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 Full wwPDB EM Map Validation Report for a publicly released PDB entry.

We welcome your comments at 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.

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