



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:15 pm GMT

EMDB ID : EMD-7029
Title : CryoEM map from poorly ordered myosin thick filaments isolated from asynchronous flight muscle of the large waterbug *Lethocerus indicus*
Authors : , Taylor.KA.; , Taylor.D.; , Hu.Z.; , Edwards.RJ.
Deposited on : 2017-09-15
Resolution : 6.40 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

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	POINT, C4	Depositor
Number of images used	50000	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	All specimen and sample preparation details may be found in Z. Hu, D. W. Taylor, M. K. Reedy, R. J. Edwards, K. A. Taylor, Structure of myosin filaments from relaxed Lethocerus flight muscle by cryo-EM at 6 Angstrom resolution. Sci. Adv. 2, e1600058 (2016). Can also be found in the Specimen section of EMD-3301	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	65.0	Depositor
Minimum defocus (nm)	1.5	Depositor
Maximum defocus (nm)	3.0	Depositor
Magnification	Not provided	Depositor
Image detector	DIRECT ELECTRON DE-20 (5k x 3k)	Depositor