



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:40 pm GMT

EMDB ID : EMD-5631
Title : Cryo-electron tomography of in situ flagellar motor of *Borrelia burgdorferi* FlhO mutant
Authors : , Zhao.X.; , Zhang.K.; , Boquoi.T.; , Hu.B.; , Motaleb.MA.; , Miller.KA.; , James.ME.; , Charon.NW.; , Manson.MD.; , Norris.SJ.; , Li.C.; , Liu.J.
Deposited on : 2013-04-05
Resolution : 39.00 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	subtomogramAveraging	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	999	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI POLARA 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	100	Depositor
Minimum defocus (nm)	6.0	Depositor
Maximum defocus (nm)	8.0	Depositor
Magnification	31000.0	Depositor
Image detector	Not provided	Depositor