



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:30 pm GMT

EMDB ID : EMD-5299
Title : Structural Diversity of Bacterial Flagellar Motors: Helicobacter hepaticus
Authors : , Chen.S.; , Beeby.M.; , Murphy.GE.; , Leadbetter.JR.; , Hendrixson.DR.;
 , Briegel.A.; , Li.Z.; , Shi.J.; , Tocheva.El.; , Muller.A.; , Dobro.MJ.; ,
 Jensen.GJ.
Deposited on : 2011-06-06
Resolution : 50.00 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	Not provided	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 ($e^-/\text{\AA}^2$)	200	Depositor
Minimum defocus (nm)	8.0	Depositor
Maximum defocus (nm)	12.0	Depositor
Magnification	34000.0	Depositor
Image detector	GATAN ULTRASCAN 1000 (2k x 2k)	Depositor