



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 11:08 am GMT

EMDB ID : EMD-20503
Title : Subtomogram average of a purified *Leptospira biflexa* -fcpB mutant flagellum
Authors : , Brady.MR.; , Gibson.KH.; , Sindelar.CV.
Deposited on : 2019-07-22
Resolution : 18.40 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	POINT, C1	Depositor
Number of images used	10	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TECNAI F20	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	8.35	Depositor
Minimum defocus (nm)	2.5	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	14500.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor