



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:52 pm GMT

EMDB ID : EMD-6089  
Title : Flagellar motor mutant from *Borrelia burgdorferi* (FlhB mutant)  
Authors : , Tu.JG.; , Zhao.XW.; , Manne.A.; , Lees.K.; , Yerge.A.; , Zhang.K.; , Li.CH.;  
          , Norris.SJ.; , Motaleb.MA.; , Liu.J.  
Deposited on : 2014-09-14  
Resolution : 58.00 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](mailto: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	217	Depositor
Resolution determination method	OTHER	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI POLARA 300	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	Not provided	Depositor
Minimum defocus (nm)	6.0	Depositor
Maximum defocus (nm)	8.0	Depositor
Magnification	31000.0	Depositor
Image detector	TVIPS TEMCAM-F415 (4k x 4k)	Depositor