



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:40 pm GMT

EMDB ID : EMD-5629  
Title : Cryo-electron tomography of in situ flagellar motor of *Borrelia burgdorferi* FlgB 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 wwPDB EM Map Validation Summary 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.

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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 |