



# wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:30 pm GMT

EMDB ID : EMD-5311  
Title : Structural Diversity of Bacterial Flagellar Motors: Escherichia coli  
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 : 2011-06-09  
Resolution : 59.00 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	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