



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:26 pm GMT

EMDB ID : EMD-8224
Title : Structure of a mutant type IV pilus machinery (delta N1 ring deletion in PilQ)
in the closed state
Authors : , Gold.VAM.; , Salzer.R.; , Averhoff.B.
Deposited on : 2016-06-01
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	POINT, C12	Depositor
Number of images used	432	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	JEOL 3200FSC	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	3.0	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	7.0	Depositor
Magnification	10000.	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor