



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:39 am GMT

EMDB ID : EMD-20209
Title : Synthetic beta-carboxysome shell (prolate full)
Authors : , Sutter.M.; , Laughlin.TG.; , Sloan.NB.; , Serwas.D.; , Davies.KM.; , Kerfeld.CA.
Deposited on : 2019-05-06
Resolution : 4.10 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

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	singleParticle	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	2123	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	50.0	Depositor
Minimum defocus (nm)	0.5	Depositor
Maximum defocus (nm)	2.0	Depositor
Magnification	56000.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor