



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:21 pm GMT

EMDB ID : EMD-7856  
Title : Carboxysome subtomogram averaging of size group 108 nm  
Authors : , Dai.W.; , Chen.M.; , Chiu.W.  
Deposited on : 2018-05-04  
Resolution : 40.00 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.

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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	POINT, I	Depositor
Number of images used	24	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	JEOL 2200FS	Depositor
Voltage (kV)	200	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	0.5	Depositor
Minimum defocus (nm)	0.0	Depositor
Maximum defocus (nm)	0.0	Depositor
Magnification	25000.0	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor