



Full wwPDB EM Validation Report ⓘ

Feb 24, 2025 – 12:12 pm GMT

EMDB ID : EMD-52438
Title : In-cell Structure of Pyrenoid Rubisco
Authors : Nadav, E.; Zhen, H.; Maud, D.; Alireza, R.; Juan R, P.; Peijun, P.
Deposited on : 2024-12-30
Resolution : 8.10 Å(reported)

This is a Full wwPDB EM 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 types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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) : 2.41

1 Experimental information

Property	Value	Source
EM reconstruction method	SUBTOMOGRAM AVERAGING	Depositor
Imposed symmetry	POINT, D4	Depositor
Number of subtomograms used	17713	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	2.18	Depositor
Minimum defocus (nm)	2.5	Depositor
Maximum defocus (nm)	4.5	Depositor
Magnification	Not provided	
Image detector	FEI FALCON IV (4k x 4k)	Depositor