



wwPDB EM Validation Summary Report ⓘ

Mar 16, 2025 – 03:13 pm GMT

EMDB ID : EMD-18466
Title : Symmetric structure of Satellite Tobacco Necrosis Virus-Like Particle with PS1-5 gRNA
Authors : Javed, A.; Mata, P.C.; Stockley, P.
Deposited on : 2023-09-15
Resolution : 2.39 Å(reported)

This is a wwPDB EM 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 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	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, I	Depositor
Number of particles used	78988	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	49.5	Depositor
Minimum defocus (nm)	0.8	Depositor
Maximum defocus (nm)	3.5	Depositor
Magnification	178000.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor