



wwPDB EM Validation Summary Report ⓘ

Feb 24, 2025 – 09:01 am GMT

EMDB ID : EMD-50833
Title : N-VelcroVax HBcAg with SUMO-Affimer inserted at N-terminus (T=4 VLP)
Authors : Fatema, K.; Snowden, J.S.; Watson, A.; Sherry, L.; Ranson, N.A.; Stonehouse, N.J.; Rowlands, D.J.
Deposited on : 2024-06-30
Resolution : 3.30 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	56416	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 ($e^-/\text{\AA}^2$)	43.0	Depositor
Minimum defocus (nm)	0.5	Depositor
Maximum defocus (nm)	2.9	Depositor
Magnification	Not provided	
Image detector	FEI FALCON III (4k x 4k)	Depositor