



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:33 pm GMT

EMDB ID : EMD-5448
Title : Cryo-tomography and subtomogram averaging of the Newcastle disease virus matrix protein array
Authors : , Battisti.AJ.; , Meng.G.; , Winkler.DC.; , McGinnes.LW.; , Plevka.P.; , Steven.AC.; , Morrison.TG.; , Rossmann.MG.
Deposited on : 2012-07-14
Resolution : 45.60 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

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	subtomogramAveraging	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	Not provided	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	163	Depositor
Minimum defocus (nm)	8.0	Depositor
Maximum defocus (nm)	8.0	Depositor
Magnification	20000.0	Depositor
Image detector	GATAN ULTRASCAN 1000 (2k x 2k)	Depositor