



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:55 pm GMT

EMDB ID : EMD-6325  
Title : 3D reconstruction of TMV at 4.5A from film micrographs using Frealix  
Authors : , Rohou.A.; , Grigorieff.N.  
Deposited on : 2015-04-22  
Resolution : 4.50 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.

---

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	helical	Depositor
Imposed symmetry	HELICAL, twist=22.0318°, rise=1.39259 Å, axial sym=C1	Depositor
Number of images used	Not provided	Depositor
Resolution determination method	OTHER	Depositor
CTF correction method	Defocus estimated for each helical subunit	Depositor
Microscope	FEI TECNAI F30	Depositor
Voltage (kV)	200	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	15	Depositor
Minimum defocus (nm)	1.688	Depositor
Maximum defocus (nm)	3.86	Depositor
Magnification	59000.0	Depositor
Image detector	KODAK SO-163 FILM	Depositor