



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:14 am GMT

EMDB ID : EMD-21166
Title : De novo designed icosahedral nanoparticle I53_dn5
Authors : , Ward.AB.; , Antanasijevic.A.
Deposited on : 2020-01-05
Resolution : 18.74 Å(reported)

This is a wwPDB EM Map 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 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	singleParticle	Depositor
Imposed symmetry	POINT, 1	Depositor
Number of images used	4142	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TECNAI SPIRIT	Depositor
Voltage (kV)	120	Depositor
Electron dose ($e^-/\text{\AA}^2$)	25.0	Depositor
Minimum defocus (nm)	1.5	Depositor
Maximum defocus (nm)	1.5	Depositor
Magnification	Not provided	Depositor
Image detector	TVIPS TEMCAM-F416 (4k x 4k)	Depositor