



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:13 pm GMT

EMDB ID : EMD-21183
Title : De novo designed icosahedral nanoparticle I53_dn5 presenting BG505-SOSIP,
Cryo-EM Map
Authors : , Ward.AB.; , Antanasijevic.A.
Deposited on : 2020-01-05
Resolution : 12.46 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	9525	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TALOS ARCTICA	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	49.39	Depositor
Minimum defocus (nm)	0.8	Depositor
Maximum defocus (nm)	2.0	Depositor
Magnification	36000.0	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor