



Full wwPDB EM Validation Report ⓘ

Feb 24, 2025 – 12:10 pm GMT

EMDB ID : EMD-51534
Title : HIV-1 CA hexamer from nuclear capsids (FIB-lamella data of HIV infected macrophages)
Authors : Kreysing, J.P.; Welsch, S.; Turonova, B.; Beck, M.
Deposited on : 2024-09-13
Resolution : 29.70 Å(reported)

This is a Full wwPDB EM 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 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	SUBTOMOGRAM AVERAGING	Depositor
Imposed symmetry	POINT, C6	Depositor
Number of subtomograms used	585	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	2.2	Depositor
Minimum defocus (nm)	2.0	Depositor
Maximum defocus (nm)	4.0	Depositor
Magnification	53000.0	Depositor
Image detector	FEI FALCON IV (4k x 4k)	Depositor