



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:04 pm GMT

EMDB ID : EMD-7079
Title : Structure of the 30 kDa HIV-1 RNA Dimerization Signal by a Hybrid Cryo-EM, NMR, and Molecular Dynamics Approach
Authors : , Zhang.K.; , Keane.S.; , Su.Z.; , Case.D.; , Ludtke.S.; , Summers.M.; , Chiu.W.
Deposited on : 2017-10-20
Resolution : 9.00 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	singleParticle	Depositor
Imposed symmetry	POINT, C2	Depositor
Number of images used	20366	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	JEOL 2200FS	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	75.0	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	25000.0	Depositor
Image detector	DIRECT ELECTRON DE-12 (4k x 3k)	Depositor