



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:49 pm GMT

EMDB ID : EMD-6167  
Title : Essential Structural and Functional Roles of the Cmr4 Subunit in RNA Cleavage by the Cmr CRISPR-Cas Complex  
Authors : , Ramia.NF.; , Spilman.M.; , Tang.L.; , Shao.Y.; , Elmore.J.; , Hale.C.; , Cocozaki.A.; , Bhattacharya.N.; , Terns.RM.; , Terns.MP.; , Li.H.; , Stagg.SM.  
Deposited on : 2014-10-27  
Resolution : 13.00 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](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.

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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=48.2°, rise=24.7 Å, axial sym=C1	Depositor
Number of images used	Not provided	Depositor
Resolution determination method	OTHER	Depositor
CTF correction method	phase flip of each particle	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	120	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	15	Depositor
Minimum defocus (nm)	1.7	Depositor
Maximum defocus (nm)	3.3	Depositor
Magnification	59000.0	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor