



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:27 pm GMT

EMDB ID : EMD-5031  
Title : Structure of a type IV secretion system core complex  
Authors : , Fronzes.R.; , Schafer.E.; , Wang.L.; , Saibil.H.; , Orlova.E.; , Waksman.G.  
Deposited on : 2008-11-10  
Resolution : 15.00 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](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	singleParticle	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	3051	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	phase flipping, each CCD image	Depositor
Microscope	FEI TECNAI F20	Depositor
Voltage (kV)	200	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	20	Depositor
Minimum defocus (nm)	1.25	Depositor
Maximum defocus (nm)	3.5	Depositor
Magnification	68100.0	Depositor
Image detector	GENERIC GATAN	Depositor