



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 12:39 pm GMT

EMDB ID : EMD-5694  
Title : Type III secretion system (Injectisome) of Yersinia enterocolitica in situ  
Authors : , Kudryashev.M.; , Stenta.M.; , Schmelz.S.; , Amstutz.M.; , Wiesand.U.; , Castano-Diez.D.; , Degiacomi.M.; , Muennich.S.; , Bleck.CKE.; , Kowal.J.; , Diepold.A.; , Heinz.DW.; , Dal.Peraro.M.; , Cornelis.GR.; , Stahlberg.H.  
Deposited on : 2013-06-18  
Resolution : 40.00 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	subtomogramAveraging	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	941	Depositor
Resolution determination method	OTHER	Depositor
CTF correction method	Each micrograph was phase flipped assuming the value of nominal defocus. Focal pair tomography was employed.	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	100	Depositor
Minimum defocus (nm)	-3.0	Depositor
Maximum defocus (nm)	-15.0	Depositor
Magnification	19500.0	Depositor
Image detector	GATAN ULTRASCAN 1000 (2k x 2k)	Depositor