



## wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:10 pm GMT

EMDB ID : EMD-7412  
Title : Single Molecule 3D Image of a Hole-Hole Homodimer Species Generated in the  
Production of a Bispecific Recombinant IgG1 (No. 059)  
Authors : , Lei.D.; , Liu.J.; , Liu.H.; , Lei.M.; , Ren.G.  
Deposited on : 2018-01-25  
Resolution : 12.64 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	tomography	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	61	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	ZEISS LIBRA120PLUS	Depositor
Voltage (kV)	120	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	69.81	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	80000.0	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor