

**Summary of integrative structure determination of Integrative structure of the XcpHIJK quaternary complex of a type II secretion system pseudopilin (PDB ID: 9A1E, PDB-Dev ID: PDBDEV\_0000086)**

<b>1. Model Composition</b>	
<a href="#">Entry composition</a>	<ul style="list-style-type: none"> <li>- XcpH: Chain A (131 residues)</li> <li>- XcpI: Chain B (89 residues)</li> <li>- XcpK: Chain D (273 residues)</li> <li>- XcpJ: Chain C (162 residues)</li> </ul>
<a href="#">Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Experimental model, PDB ID: 5VTM</li> <li>- NMR data, BMRB: 50449</li> <li>- Crosslinking-MS data, Linker name and number of cross-links: ADH, 14 cross-links</li> <li>- Comparative model, template PDB ID: Not available</li> <li>- Experimental model, PDB ID: 2QV8</li> </ul>
<b>2. Representation</b>	
<a href="#">Resolution</a>	Atomic
<a href="#">Number of rigid bodies, flexible units</a>	4, 0
<a href="#">Rigid bodies</a>	<ul style="list-style-type: none"> <li>- A: 1-131</li> <li>- B: 1-89</li> <li>- C: 1-162</li> <li>- D: 1-273</li> </ul>
<a href="#">Structural coverage (rigid bodies)</a>	100%
<b>3. Restraints</b>	
<a href="#">Physical principles</a>	Information about physical principles was not provided
<a href="#">Experimental data</a>	<ul style="list-style-type: none"> <li>- 1 unique CrossLinkRestraint: ADH, 14 cross-links</li> <li>- 25 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 6.0-18.0</li> </ul>
<b>4. Validation</b>	
<a href="#">Number of ensembles</a>	0
<a href="#">Number of models in ensembles</a>	Not applicable
<a href="#">Number of deposited models</a>	1
<a href="#">Model precision (uncertainty of models)</a>	Model precision can not be calculated with one structure
<a href="#">Data quality</a>	Data quality has not been assessed

<a href="#"><i>Model quality: assessment of atomic segments</i></a>	Model-1: Clashscore = 0.0, Number of Ramachandran outliers = 4, Number of sidechain outliers = 46
<a href="#"><i>Model quality: assessment of excluded volume</i></a>	Not applicable
<a href="#"><i>Fit to data used for modeling</i></a>	Fit of model to information used to compute it has not been determined
<a href="#"><i>Fit to data used for validation</i></a>	Fit of model to information not used to compute it has not been determined
<b>5. Methodology and Software</b>	
1. <a href="#"><i>Method</i></a>	XcpH modeling
<a href="#"><i>Name</i></a>	Homology modeling
2. <a href="#"><i>Method</i></a>	Docking
<a href="#"><i>Name</i></a>	HADDOCK
<a href="#"><i>Number of computed models</i></a>	1000
<a href="#"><i>Software</i></a>	<ul style="list-style-type: none"> <li>- <a href="#">Pymol</a> (version Not available)</li> <li>- <a href="#">Haddock</a> (version Not available)</li> <li>- <a href="#">Phyre2</a> (version Not available)</li> </ul>