

**Summary of integrative structure determination of Photoinduced intermediate J' of bacteriorhodopsin from 0.5 to 2 picosecond immediately after photoisomerization (PDB ID: 9A22, PDB-Dev ID: PDBDEV\_00000139)**

<b>1. Model Composition</b>	
<a href="#">Entry composition</a>	<ul style="list-style-type: none"> <li>- RETINAL: Chain B (Not available residues)</li> <li>- BACTERIORHODOPSIN: Chain A (248 residues)</li> <li>- water: Chain C (6 residues)</li> </ul>
<a href="#">Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Experimental model, PDB ID: 6g7h</li> <li>- Other, PDB: 6g7h</li> <li>- Other, PDB: 6g7i</li> <li>- Other, PDB: 6g7j</li> <li>- Other, PDB: 6g7k</li> <li>- Other, PDB: 6ga2</li> <li>- Other, PDB: 6ga4</li> <li>- Other, PDB: 6ga5</li> <li>- Other, PDB: 6ga6</li> <li>- Other, PDB: 6ga7</li> <li>- Other, PDB: 6ga8</li> <li>- Other, PDB: 6ga9</li> <li>- Other, PDB: 6gaa</li> <li>- Other, PDB: 6gab</li> <li>- Other, PDB: 6gac</li> <li>- Other, PDB: 6gad</li> <li>- Other, PDB: 6gae</li> <li>- Other, PDB: 6gaf</li> <li>- Other, PDB: 6gag</li> <li>- Other, PDB: 6gah</li> <li>- Other, PDB: 6gai</li> </ul>
<b>2. Representation</b>	
<a href="#">Resolution</a>	Atomic
<a href="#">Number of rigid bodies, flexible units</a>	0, 3
<a href="#">Flexible units</a>	<ul style="list-style-type: none"> <li>- A: 1-248</li> <li>- B: None-None</li> <li>- C: 1-6</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>	
<b>4. Validation</b>	
<a href="#">Number of ensembles</a>	0
<a href="#">Number of models in ensembles</a>	Not applicable

<a href="#"><i>Number of deposited models</i></a>	1
<a href="#"><i>Model precision (uncertainty of models)</i></a>	Model precision can not be calculated with one structure
<a href="#"><i>Data quality</i></a>	Data quality has not been assessed
<a href="#"><i>Model quality: assessment of atomic segments</i></a>	Model-1: Clashscore = 4.68, Number of Ramachandran outliers = 1, Number of sidechain outliers = 21
<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>	Singular value decomposition analysis of difference Fourier maps
<a href="#"><i>Name</i></a>	Singular value decomposition
<a href="#"><i>Number of computed models</i></a>	1
<a href="#"><i>Software</i></a>	- PHENIX (version (1.13_2998: ???)) - dynamiX (version Not available)