

**Summary of integrative structure determination of Photoinduced intermediate M2 of bacteriorhodopsin from 0.5 to 5 millisecond (PDB ID: 9A29 | [pdb\\_00009a29](#), PDB-Dev ID: PDBDEV\_00000147)**

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	<ul style="list-style-type: none"> <li>- BACTERIORHODOPSIN: chain(s) A (248 residues)</li> <li>- RETINAL: chain(s) B [A]</li> <li>- water: chain(s) C [A]</li> </ul>
<a href="#">1.2. Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Experimental model, PDB: <a href="#">pdb_00006g7h</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005b6v</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005b6w</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005b6x</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005b6y</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005b6z</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2h</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2i</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2j</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2k</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2l</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2m</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2n</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2o</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005h2p</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006g7h</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006g7l</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006ga1</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006ga2</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006ga3</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006rmk</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006rnj</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006rph</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006rqo</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00006rqp</a></li> </ul>
<b>2. Representation</b>	
<a href="#">2.1. Number of representations</a>	1
<a href="#">2.2. Scale</a>	Atomic
<a href="#">2.3. Number of rigid and flexible segments</a>	0, 1
<b>3. Restraints</b>	
<a href="#">3.1. Physical principles</a>	Information about physical principles was not provided
<a href="#">3.2. Experimental data</a>	
<b>4. Validation</b>	
<a href="#">4.2. Number of ensembles</a>	0
<a href="#">4.3. Number of models in ensembles</a>	Not applicable

<a href="#">4.4. Number of deposited models</a>	1
<a href="#">4.5. Model precision</a>	Not available
<a href="#">4.6. Data quality</a>	Data quality has not been assessed
<a href="#">4.7. Model quality: assessment of atomic segments</a>	- Clashscore: 7.16 - Ramachandran outliers: 1 - Sidechain outliers: 21
<a href="#">4.8. Fit to data used for modeling</a>	Fit of model to information used to compute it has not been determined
<a href="#">4.9. Fit to data used for validation</a>	Fit of model to information not used to compute it has not been determined
<b>5. Methodology and Software</b>	
1. <a href="#">5.1. Method name</a>	Singular value decomposition analysis of difference Fourier maps
<a href="#">5.2. Method type</a>	Singular value decomposition
<a href="#">5.4. Number of computed models</a>	1
<a href="#">5.5. Software</a>	- <a href="#">PHENIX</a> (version (1.13_2998: ???)) - dynamix (version Not available)