Summary of integrative structure determination of Photoinduced intermediate J' of bacteriorhodopsin from 0.5 to 2 picosecond immediately after photoisomerization (PDB ID: 9A22 | pdb_00009a22, PDB-Dev ID: PDBDEV_00000139)

1. Model Composition	
1.1. Entry composition	- BACTERIORHODOPSIN: chain(s) A (248 residues) - RETINAL: chain(s) B [A] - water: chain(s) C [A]
1.2. Datasets used for modeling	- Experimental model, PDB: pdb_00006g7h - X-ray diffraction data, PDB: pdb_00006g7h - X-ray diffraction data, PDB: pdb_00006g7i - X-ray diffraction data, PDB: pdb_00006g7j - X-ray diffraction data, PDB: pdb_00006g7k - X-ray diffraction data, PDB: pdb_00006ga2 - X-ray diffraction data, PDB: pdb_00006ga4 - X-ray diffraction data, PDB: pdb_00006ga5 - X-ray diffraction data, PDB: pdb_00006ga6 - X-ray diffraction data, PDB: pdb_00006ga7 - X-ray diffraction data, PDB: pdb_00006ga8 - X-ray diffraction data, PDB: pdb_00006ga9 - X-ray diffraction data, PDB: pdb_00006gaa - X-ray diffraction data, PDB: pdb_00006gab - X-ray diffraction data, PDB: pdb_00006gac - X-ray diffraction data, PDB: pdb_00006gad - X-ray diffraction data, PDB: pdb_00006gae - X-ray diffraction data, PDB: pdb_00006gaf - X-ray diffraction data, PDB: pdb_00006gag - X-ray diffraction data, PDB: pdb_00006gah - X-ray diffraction data, PDB: pdb_00006gai
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 1
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	1
4.5. Model precision	Not available

4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of atomic segments	- Clashscore: 4.68 - Ramachandran outliers: 1 - Sidechain outliers: 21
4.8. Fit to data used for modeling	Fit of model to information used to compute it has not been determined
4.9. Fit to data used for validation	Fit of model to information not used to compute it has not been determined
5. Methodology and Software	
1. *5.1. Method name*	Singular value decomposition analysis of difference Fourier maps
5.2. Method type	Singular value decomposition
5.4. Number of computed models	1
5.5. Software	- PHENIX (version (1.13_2998: ???)) - dynamiX (version Not available)