

Summary of integrative structure determination of Photoinduced intermediate I' of bacteriorhodopsin at ~30 femtosecond with Schiff base nitrogen in a sharp U-turn (PDB ID: 9A1Z, PDB-Dev ID: PDBDEV_00000129)

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| 1. Model Composition | |
| Entry composition | <ul style="list-style-type: none"> - RETINAL: Chain B (Not available residues) - BACTERIORHODOPSIN: Chain A (248 residues) - water: Chain C (5 residues) |
| Datasets used for modeling | <ul style="list-style-type: none"> - Experimental model, PDB ID: 6g7h - Other, PDB: 6g7h - Other, PDB: 6g7i - Other, PDB: 6g7j - Other, PDB: 6g7k - Other, PDB: 6ga2 - Other, PDB: 6ga4 - Other, PDB: 6ga5 - Other, PDB: 6ga6 - Other, PDB: 6ga7 - Other, PDB: 6ga8 - Other, PDB: 6ga9 - Other, PDB: 6gaa - Other, PDB: 6gab - Other, PDB: 6gac - Other, PDB: 6gad - Other, PDB: 6gae - Other, PDB: 6gaf - Other, PDB: 6gag - Other, PDB: 6gah - Other, PDB: 6gai |
| 2. Representation | |
| Resolution | Atomic |
| Number of rigid bodies , flexible units | 0, 3 |
| Flexible units | <ul style="list-style-type: none"> - A: 1-248 - B: None-None - C: 1-5 |
| Structural coverage (rigid bodies) | 100% |
| 3. Restraints | |
| Physical principles | Information about physical principles was not provided |
| Experimental data | |
| 4. Validation | |
| Number of ensembles | 0 |
| Number of models in ensembles | Not applicable |

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| <i>Number of deposited models</i> | 1 |
| <i>Model precision (uncertainty of models)</i> | Model precision can not be calculated with one structure |
| <i>Data quality</i> | Data quality has not been assessed |
| <i>Model quality: assessment of atomic segments</i> | Model-1: Clashscore = 9.92, Number of Ramachandran outliers = 0, Number of sidechain outliers = 20 |
| <i>Model quality: assessment of excluded volume</i> | Not applicable |
| <i>Fit to data used for modeling</i> | Fit of model to information used to compute it has not been determined |
| <i>Fit to data used for validation</i> | Fit of model to information not used to compute it has not been determined |
| 5. Methodology and Software | |
| 1. <i>Method</i> | Singular value decomposition analysis of difference Fourier maps |
| <i>Name</i> | Singular value decomposition |
| <i>Number of computed models</i> | 1 |
| <i>Software</i> | - PHENIX (version (1.13_2998: ???)) - dynamiX (version Not available) |