

Summary of integrative structure determination of Integrative model of 5' Nucleotide excision repair complex of XPA-DBD and RPA70AB (PDB ID: 9A04 | pdb_00009a04, PDB-Dev ID: PDBDEV_00000040)

1. Model Composition	
1.1. Entry composition	- Subunit A: chain(s) A (238 residues) - Subunit B: chain(s) B (142 residues) - DNA short arm: chain(s) C (14 residues) - DNA long arm: chain(s) D (22 residues)
1.2. Datasets used for modeling	- NMR data, BMRB: 27131 - SAS data, SASBDB: SASDH44 - Experimental model, PDB: pdb_00001jmc - Experimental model, PDB: pdb_00005a39 - Comparative model, Not available - Other, Not available - Other, Not available - Other, Not available
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	4, 0
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique SASRestraint: Assembly name: Complete assembly Fitting method: FoXS Multi-state: False
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: 0.00 - Ramachandran outliers: 4 - Sidechain outliers: 21
4.8. Fit to data used for modeling	Fit of model to information used to compute it has not been determined

<i>4.9. 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>5.1. Method name</i>	Homolgy Modeling of XPA
<i>5.2. Method type</i>	MODELLER
<i>5.4. Number of computed models</i>	10
2. <i>5.1. Method name</i>	Extension of C-terminal Helix of XPA
<i>5.2. Method type</i>	ROSETTA Remodel
<i>5.4. Number of computed models</i>	1000
3. <i>5.1. Method name</i>	Docking of DNA to XPA
<i>5.2. Method type</i>	HADDOCK
<i>5.4. Number of computed models</i>	1000
4. <i>5.1. Method name</i>	Randomization and Rigid Body Energy Minimization
<i>5.2. Method type</i>	HADDOCK
<i>5.4. Number of computed models</i>	1000
5. <i>5.1. Method name</i>	Semi-flexible simulated annealing
<i>5.2. Method type</i>	HADDOCK
<i>5.4. Number of computed models</i>	1000
6. <i>5.1. Method name</i>	Flexible explicit solvent refinement
<i>5.2. Method type</i>	HADDOCK
<i>5.4. Number of computed models</i>	200
7. <i>5.1. Method name</i>	Stepwise addition of nucleotide linker
<i>5.2. Method type</i>	ROSETTA stepwise
<i>5.4. Number of computed models</i>	100
<i>5.5. Software</i>	- HADDOCK (version Not available) - ROSETTA (version Not available) - MODELLER (version Not available) - FOXS (version Not available)