Summary of integrative structure determination of Integrative model of 3' Nucleotide excision repair complex of XPA-DBD and RPA70AB (PDB ID: 9A03 | pdb_00009a03, PDB-Dev ID: PDBDEV_00000039)

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 (13 residues) - DNA long arm: chain(s) D (22 residues)
1.2. Datasets used for modeling	- NMR data, BMRB: 27131 - SAS data, SASBDB: SASDH54 - 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: 1 - Sidechain outliers: 34
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	Homolgy Modeling of XPA
5.2. Method type	MODELLER
5.4. Number of computed models	10
2. 5.1. Method name	Extension of C-terminal Helix of XPA
5.2. Method type	ROSETTA Remodel
5.4. Number of computed models	1000
3. 5.1. Method name	Docking of DNA to XPA
5.2. Method type	HADDOCK
5.4. Number of computed models	1000
4. 5.1. Method name	Randomization and Rigid Body Energy Minimization
5.2. Method type	HADDOCK
5.4. Number of computed models	1000
5. 5.1. Method name	Semi-flexible simulated annealing
5.2. Method type	HADDOCK
5.4. Number of computed models	1000
6. 5.1. Method name	Flexible explicit solvent refinement
5.2. Method type	HADDOCK
5.4. Number of computed models	200
7. 5.1. Method name	Stepwise addition of nucleotide linker
5.2. Method type	ROSETTA stepwise
5.4. Number of computed models	100
5.5. Software	- HADDOCK (version Not available) - ROSETTA (version Not available) - MODELLER (version Not available) - FOXS (version Not available)