

**Summary of integrative structure determination of Plasmid replication initiator protein TrfA
complexed with double stranded DNA (PDB ID: 9A0W | pdb_00009a0w, PDB-Dev ID:
PDBDEV_00000068)**

1. Model Composition	
1.1. Entry composition	<ul style="list-style-type: none"> - TrfA33: chain(s) A (285 residues) - DNA (26-MER): chain(s) B (26 residues) - DNA (26-MER): chain(s) C (26 residues)
1.2. Datasets used for modeling	<ul style="list-style-type: none"> - Crosslinking-MS data, PRIDE: PXD013286 - De Novo model, Not available - Comparative model, Not available: 10.1002/pro.68 - Comparative model, Not available: 10.1002/pro.68 - Comparative model, Not available: 10.1002/pro.68
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 5
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: BrdU, 6 crosslinks
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	<ul style="list-style-type: none"> - Clashscore: 0.95 - Ramachandran outliers: 5 - Sidechain outliers: 5
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 0.00%
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	Not available

5.2. Method type	Rosetta ab initio modeling
2. 5.1. Method name	Not available
5.2. Method type	Modeller modeling using crosslinks
5.5. Software	<ul style="list-style-type: none">- Rosetta (version Not available)- Modeller (version Not available)- Gromacs (version Not available)- PROSESS (version Not available)- Molprobity (version Not available)- mCSM (version Not available)