

Summary of integrative structure determination of Integrative structure of the Sin3A corepressor complex (PDB ID: 9A8Q | pdb_00009a8q, PDB-Dev ID: PDBDEV_00000390)

1. Model Composition	
1.1. Entry composition	- Paired amphipathic helix protein Sin3a: chain(s) A (376 residues) - Histone deacetylase 1: chain(s) B (482 residues) - Sin3 histone deacetylase corepressor complex component SDS3: chain(s) C (328 residues) - Histone deacetylase complex subunit SAP30: chain(s) D (220 residues)
1.2. Datasets used for modeling	- Crosslinking-MS data, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00002ld7 - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00002n2h - Comparative model, Zenodo: 10.5281/zenodo.11056108 - De Novo model, Zenodo: 10.5281/zenodo.11056108 - De Novo model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00004zqa - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00004bkx - Experimental model, PDB: pdb_00002kdp
2. Representation	
2.1. Number of representations	1
2.2. Scale	Multiscale: Coarse-grained: 1 - 30 residue(s) per bead
2.3. Number of rigid and flexible segments	11, 10
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: DSSO, 29 crosslinks
4. Validation	
4.2. Number of ensembles	1
4.3. Number of models in ensembles	25899
4.4. Number of deposited models	1
4.5. Model precision	33.00, Å
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of excluded volume	Satisfaction: 99.52%
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 67.86%

<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>	Sampling
<i>5.2. Method type</i>	Replica exchange monte carlo
<i>5.4. Number of computed models</i>	7200000
<i>5.5. Software</i>	- MODELLER (version 10.3) - IMP PMI module (version 2.23.0) - Integrative Modeling Platform (IMP) (version 2.23.0)