

**Summary of integrative structure determination of Integrative Structural Modeling of the
HDAC2/MIER1/MHAP1 Complex (PDB ID: 9AAW | pdb_00009aaw)**

1. Model Composition	
1.1. Entry composition	- Histone deacetylase 2: chain(s) A (488 residues) - Mesoderm induction early response protein 1: chain(s) B (512 residues) - UPF0547 protein C16orf87: chain(s) C (154 residues)
1.2. Datasets used for modeling	- De Novo model, Zenodo: 10.5281/zenodo.2181024 - De Novo model, Zenodo: 10.5281/zenodo.2181024 - De Novo model, Zenodo: 10.5281/zenodo.2181024 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.2181024 - Mass Spectrometry data, MASSIVE: MSV000092927
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	3, 0
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: DSSO, 22 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	- Clashscore: 0.00 - Ramachandran outliers: 35 - Sidechain outliers: 183
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 77.27%
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	Prediction of individual protein structures using AlphaFold and i-TASSER
2. 5.1. Method name	Not available
5.2. Method type	XL-MS-guided assembly using HADDOCK
5.5. Software	- AlphaFold (version 2.0) - HADDOCK (version 2.5) - i-TASSER (version 5.2)