

Summary of integrative structure determination of Integrative structure of the human MHR complex (PDB ID: 9A2B | pdb_00009a2b, PDB-Dev ID: PDBDEV_00000154)

1. Model Composition	
1.1. Entry composition	- MTA1: chain(s) A, B (715 residues) - HDAC1: chain(s) C, D (482 residues) - RBBP4: chain(s) E, F (425 residues) - RBBP4: chain(s) G, H (425 residues)
1.2. Datasets used for modeling	- Experimental model, PDB: pdb_00002fvu - Comparative model, Zenodo: 10.5281/zenodo.6674232 - Experimental model, PDB: pdb_00004bkx - De Novo model, Zenodo: 10.5281/zenodo.6674232 - Experimental model, PDB: pdb_00002gat - Comparative model, Zenodo: 10.5281/zenodo.6674232 - Experimental model, PDB: pdb_00005fxy - Experimental model, PDB: pdb_00004pbz - Comparative model, Zenodo: 10.5281/zenodo.6674232 - De Novo model, Zenodo: 10.5281/zenodo.6674232 - Comparative model, Zenodo: 10.5281/zenodo.6674232 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.6674232 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.6674232 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.6674232 - 3DEM volume, Zenodo: 10.5281/zenodo.6674232 - 3DEM volume, Zenodo: 10.5281/zenodo.6674232
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	18, 34
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: ADH, 17 crosslinks - 1 unique CrossLinkRestraint: BS3, 314 crosslinks - 1 unique CrossLinkRestraint: Other, 30 crosslinks - 1 unique EM3DRestraint: Gaussian mixture models
4. Validation	
4.2. Number of ensembles	1
4.3. Number of models in ensembles	12913
4.4. Number of deposited models	1
4.5. Model precision	27.00, Å

<i>4.6. Data quality</i>	Data quality has not been assessed
<i>4.7. Model quality: assessment of excluded volume</i>	Satisfaction: 99.85%
<i>4.8. Fit to data used for modeling</i>	Satisfaction of crosslinks: 57.06%
<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>	500000
<i>5.5. Software</i>	- IMP PMI module (version 2.16.0) - Integrative Modeling Platform (IMP) (version 2.16.0)