

Summary of integrative structure determination of Integrative structure of the NuRD corepressor complex (PDB ID: 9A8O | pdb_00009a8o, PDB-Dev ID: PDBDEV_00000388)

1. Model Composition	
1.1. Entry composition	- Metastasis-associated protein MTA1: chain(s) A (715 residues) - Metastasis-associated protein MTA1: chain(s) B (715 residues) - Histone deacetylase 1: chain(s) C, D (482 residues) - Histone-binding protein RBBP4: chain(s) E, F (425 residues) - Histone-binding protein RBBP4: chain(s) G, H (425 residues) - Methyl-CpG-binding domain protein 3: chain(s) I (291 residues) - Transcriptional repressor p66-beta: chain(s) J (593 residues)
1.2. Datasets used for modeling	- Experimental model, PDB: pdb_00002fvu - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00004bkx - De Novo model, Zenodo: 10.5281/zenodo.11056108 - De Novo model, AlphaFoldDB: AF-Q13330-F1 - Experimental model, PDB: pdb_00002gat - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00005fxy - Experimental model, PDB: pdb_00004pbz - Comparative model, Zenodo: 10.5281/zenodo.11056108 - De Novo model, Zenodo: 10.5281/zenodo.11056108 - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00006cc8 - Experimental model, PDB: pdb_00002l2l - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.11056108 - 3DEM volume, Zenodo: 10.5281/zenodo.11056108
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	24, 40
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: DSSO, 67 crosslinks - 1 unique EM3DRestraint: other
4. Validation	
4.2. Number of ensembles	1

<i>4.3. Number of models in ensembles</i>	28295
<i>4.4. Number of deposited models</i>	1
<i>4.5. Model precision</i>	34.00, Å
<i>4.6. Data quality</i>	Data quality has not been assessed
<i>4.7. Model quality: assessment of excluded volume</i>	Satisfaction: 99.87%
<i>4.8. Fit to data used for modeling</i>	Satisfaction of crosslinks: 14.93%
<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>	12000000
<i>5.5. Software</i>	- AlphaFold Database (version Not available) - IMP PMI module (version 2.16.0) - Integrative Modeling Platform (IMP) (version 2.16.0)