

Summary of integrative structure determination of Integrative structure of the human NuDe complex (PDB ID: 9A2C | pdb_00009a2c, PDB-Dev ID: PDBDEV_00000155)

1. Model Composition	
1.1. Entry composition	<ul style="list-style-type: none"> - 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) - MBD3: chain(s) I (291 residues) - P66A: chain(s) J (633 residues)
1.2. Datasets used for modeling	<ul style="list-style-type: none"> - 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 - Experimental model, PDB: pdb_00006cc8 - Experimental model, PDB: pdb_00002121 - Experimental 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, EMDB: EMD-22904 - 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	21, 37
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	<ul style="list-style-type: none"> - 1 unique CrossLinkRestraint: ADH, 17 crosslinks - 1 unique CrossLinkRestraint: BS3, 280 crosslinks - 1 unique CrossLinkRestraint: Other, 35 crosslinks - 1 unique EM3DRestraint: Gaussian mixture models
4. Validation	
4.2. Number of ensembles	1

4.3. Number of models in ensembles	18239
4.4. Number of deposited models	1
4.5. Model precision	34.00, Å
4.6. Data quality	EMD-22904: resolution is 20.00 Å
4.7. Model quality: assessment of excluded volume	Satisfaction: 99.86%
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 48.19%
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	Sampling
5.2. Method type	Replica exchange monte carlo
5.4. Number of computed models	1000000
5.5. Software	- IMP PMI module (version 2.16.0) - Integrative Modeling Platform (IMP) (version 2.16.0)