

**Summary of integrative structure determination of Complex of RNF168-RING domain and the nucleosome (PDB ID: 8ZZS | pdb\_00008zzs, PDB-Dev ID: PDBDEV\_00000028 )**

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	<ul style="list-style-type: none"> <li>- H3: chain(s) A, E (99 residues)</li> <li>- H4: chain(s) B, F (80 residues)</li> <li>- H2A: chain(s) C, G (107 residues)</li> <li>- H2B: chain(s) D, H (95 residues)</li> <li>- DNA strand 1: chain(s) I (147 residues)</li> <li>- DNA strand 2: chain(s) J (147 residues)</li> <li>- RNF168 RING domain: chain(s) K (91 residues)</li> </ul>
<a href="#">1.2. Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Experimental model, PDB: <a href="#">pdb_00002pyo</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00004gb0</a></li> <li>- Mutagenesis data, Not available: <a href="#">10.1038/s41467-019-09756-z</a></li> <li>- NMR data, BMRB: <a href="#">27786</a></li> <li>- NMR data, BMRB: <a href="#">27791</a></li> <li>- NMR data, BMRB: <a href="#">27792</a></li> <li>- Crosslinking-MS data, PRIDE: <a href="#">PXD012723</a></li> </ul>
<b>2. Representation</b>	
<a href="#">2.1. Number of representations</a>	1
<a href="#">2.2. Scale</a>	Atomic
<a href="#">2.3. Number of rigid and flexible segments</a>	0, 11
<b>3. Restraints</b>	
<a href="#">3.1. Physical principles</a>	Information about physical principles was not provided
<a href="#">3.2. Experimental data</a>	<ul style="list-style-type: none"> <li>- 1 unique CrossLinkRestraint: BS3, 1 crosslinks</li> <li>- 178 unique DerivedDistanceRestraint: Upper Bound Distance: 2.0</li> </ul>
<b>4. Validation</b>	
<a href="#">4.2. Number of ensembles</a>	0
<a href="#">4.3. Number of models in ensembles</a>	Not applicable
<a href="#">4.4. Number of deposited models</a>	10
<a href="#">4.5. Model precision</a>	Not available
<a href="#">4.6. Data quality</a>	Data quality has not been assessed
<a href="#">4.7. Model quality: assessment of atomic segments</a>	<ul style="list-style-type: none"> <li>- Clashscore: 12.55-15.12</li> <li>- Ramachandran outliers: 2-9</li> <li>- Sidechain outliers: 26-45</li> </ul>
<a href="#">4.8. Fit to data used for modeling</a>	Satisfaction of crosslinks: 100.00-100.00%

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<a href="#">4.9. Fit to data used for validation</a>	Fit of model to information not used to compute it has not been determined
<b>5. Methodology and Software</b>	
1. <a href="#">5.1. Method name</a>	Not available
<a href="#">5.5. Software</a>	- <a href="#">HADDOCK</a> (version 2.2) - <a href="#">JWALK</a> (version 1.1)