

**Table S1: Summary of Integrative Structure Determination of A metastable contact and structural disorder in the estrogen receptor transactivation domain (PDBDEV00000027)**

<b>1. Model Composition</b>	
<a href="#">Entry composition</a>	<ul style="list-style-type: none"> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> <li>- Estrogen receptor: Chain A (184 residues)</li> </ul>
<a href="#">Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- SAS data, SASDEE2</li> <li>- Hydroxyl radical protein footprinting, Not listed</li> </ul>
<b>2. Representation</b>	
<a href="#">Atomic structural coverage</a>	100%
Number of <a href="#">rigid bodies</a> , <a href="#">flexible units</a>	1, 0
<a href="#">Rigid regions</a>	- A: 1-184:None.
<a href="#">Flexible units</a>	- A: -
<a href="#">Resolution</a>	Rigid bodies: 1 residue per bead. Flexible regions: 50 residues per bead.
<b>3. Restraints</b>	
<a href="#">Physical principles</a>	Excluded volume and Sequence connectivity.
<a href="#">Experimental data</a>	- 1 unique SASRestraint: Assembly name: Complete assembly Fitting method: ? Multi-state: False
<b>4. Validation</b>	
<a href="#">Sampling validation</a>	1. Information related to sampling validation has not been provided
<a href="#">Clustering algorithm ,clustering feature</a>	distance threshold-based clustering, Not applicable
<a href="#">Number of ensembles</a>	0
<a href="#">Number of models in ensembles</a>	Not applicable
<a href="#">Model precision (uncertainty of models)</a>	Model precision can not be calculated with one structure
<a href="#">Quality of data</a>	1. Quality of input data has not be assessed

<a href="#"><i>Assessment of atomic regions</i></a>	Clashscore: 0.0, Ramachandran outliers: 2.56, Sidechain outliers: 5.51
<a href="#"><i>Assessment of excluded volume</i></a>	1. Not applicable
<a href="#"><i>Fit of the model to information used to compute it</i></a>	1. Fit of model to information used to compute it has not been determined
<a href="#"><i>Fit of the model to information not used to compute it</i></a>	1. Fit of model to information not used to compute it has not been determined
<b>5. Methodology and Software</b>	
<a href="#"><i>Method</i></a>	Modeling estrogen receptor N-terminal domain
<a href="#"><i>Name</i></a>	?
<a href="#"><i>Details</i></a>	- Method details unspecified
<a href="#"><i>Software</i></a>	- iSPOT (version None) - No location specified