

Summary of integrative structure determination of The HCN Channel Voltage Sensor Undergoes A Large Downward Motion During Hyperpolarization (PDB ID: 8ZZW, PDB-Dev ID: PDBDEV_00000032)

1. Model Composition	
Entry composition	HCN Voltage Gated Ion Channel: chain(s) 1, 2, 3, 4 (767 residues)
Datasets used for modeling	<ul style="list-style-type: none"> - Comparative model, Not available - Single molecule FRET data, Zenodo: 10.5281/zenodo.3066494 - Single molecule FRET data, Zenodo: 10.5281/zenodo.3066494 - Experimental model, PDB: 5U6O
2. Representation	
Number of representations	1
Scale	Atomic
Number of rigid and flexible segments	0, 4
3. Restraints	
Physical principles	Information about physical principles was not provided
Experimental data	<ul style="list-style-type: none"> - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 23.9-24.9 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 22.2-23.2 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 17.9-18.9 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 13.8-14.8 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 19.0-20.0 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 12.2-13.2 - 2 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 16.4-17.4 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 14.2-15.2 - 1 unique DerivedDistanceRestraint: Lower Upper Bound Distance: 13.0-14.0
4. Validation	
Number of ensembles	0
Number of models in ensembles	Not applicable
Number of deposited models	2
Model precision (uncertainty of models)	Not available
Data quality	Data quality has not been assessed

<i>Model quality: assessment of atomic segments</i>	<ul style="list-style-type: none"> - Clashscore: 0.00-0.00 - Ramachandran outliers: 0-0 - Sidechain outliers: 0-0
<i>Fit to data used for modeling</i>	Fit of model to information used to compute it has not been determined
<i>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>Name</i>	None
<i>Software</i>	<ul style="list-style-type: none"> - Rosetta (version Rosetta version unknown:5f5eba092eb978ce62ba80b58d7d04cf6a6f9) - HHpred (version website)