Full wwPDB Integrative Structure Validation Report

September 06, 2019 -- 02:06 PM

PDB ID	PDBDEV00000032
Molecule Name	The HCN Channel Voltage Sensor Undergoes A Large Downward Motion During Hyperpolarization
Title	The HCN Channel Voltage Sensor Undergoes A Large Downward Motion During Hyperpolarization
Authors	Dai G;Aman TK;DiMaio F;Zagotta WN

The following softwares were used in the production of this report:

Integrative Modeling Package : Version XX
Molprobity : Version XX
Phenix : Version XX
Integrative Modeling Validation Package : Version XX

1. Overall quality at a glance

2. Entry composition

There is 1 unique type of model in this entry. Model has 4 chains respectively.

Molecule ID	Molecule Name	Chain ID	Total Residues
1	HCN Voltage Gated Ion Channel	1	491
1	HCN Voltage Gated Ion Channel	2	491
1	HCN Voltage Gated Ion Channel	3	491
1	HCN Voltage Gated Ion Channel	4	491

There are 2 software packages reported in this entry.

ID	Software Name	Software Version	Software Classification
1	Rosetta	Rosetta version unknown:5f5eba092eb978ce62ba80b58d7d04cf6a6f9727	RosettaCM/hybridize, Rosetta Relax
2	HHpred	website	protein homology detection

There are 4 unique datasets used to build the model in this entry.

ID	Dataset Type	Database Name	Data Access Code
1	Comparative model	Not Listed	None
2	Single molecule FRET data	Not Listed	None
3	Single molecule FRET data	Not Listed	None
4	Experimental model	PDB	5U6O

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3. Data quality

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4. Model quality

4.1 Too-close contacts

4.2 Torsion angles

4.2.1 Protein backbone

4.2.2 Protein sidechains

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5. Fit of model and data

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6. Uncertaintiy of model
