Phyre2

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Description	P03959
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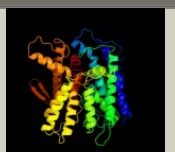
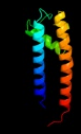
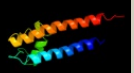
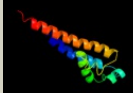
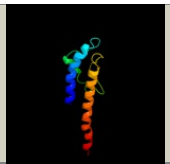
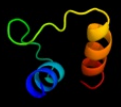
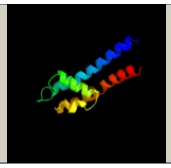
Unique Job ID	4f8be31d5e6e1b2c

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3pjzA_	Alignment		100.0	14	**PDB header:**transport protein **Chain:** A: **PDB Molecule:**potassium uptake protein trkh; **PDBTitle:** crystal structure of the potassium transporter trkh from vibrio2 parahaemolyticus
2	c2qksA_	Alignment		92.4	16	**PDB header:**metal transport **Chain:** A: **PDB Molecule:**kir3.1-prokaryotic kir channel chimera; **PDBTitle:** crystal structure of a kir3.1-prokaryotic kir channel chimera
3	d1xl4a2	Alignment		91.3	15	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels
4	c3jycA_	Alignment		89.6	13	**PDB header:**metal transport **Chain:** A: **PDB Molecule:**inward-rectifier k+ channel kir2.2; **PDBTitle:** crystal structure of the eukaryotic strong inward-rectifier2 k+ channel kir2.2 at 3.1 angstrom resolution
5	d2a9ha1	Alignment		89.3	17	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels
6	c1xl6B_	Alignment		89.0	14	**PDB header:**metal transport **Chain:** B: **PDB Molecule:**inward rectifier potassium channel; **PDBTitle:** intermediate gating structure 2 of the inwardly rectifying k+ channel2 kirbac3.1
7	c1p7bB_	Alignment		89.0	12	**PDB header:**metal transport **Chain:** B: **PDB Molecule:**integral membrane channel and cytosolic domains; **PDBTitle:** crystal structure of an inward rectifier potassium channel
8	c3ifxB_	Alignment		87.4	15	**PDB header:**membrane protein **Chain:** B: **PDB Molecule:**voltage-gated potassium channel; **PDBTitle:** crystal structure of the spin-labeled kcsa mutant v48r1
9	d1f6ga_	Alignment		85.3	18	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels
10	d1p7ba2	Alignment		78.1	13	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels
11	c3e8gB_	Alignment		76.1	16	**PDB header:**membrane protein **Chain:** B: **PDB Molecule:**potassium channel protein; **PDBTitle:** crystal structure of the the open nak channel-na+/ca2+ complex

12	c2kb1A_	Alignment		74.6	10	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**wsk3; **PDBTitle:** nmr studies of a channel protein without membrane:2 structure and dynamics of water-solubilized kcsa
13	d2h8pc1	Alignment		72.5	17	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels
14	c1lnqC_	Alignment		69.4	28	**PDB header:**metal transport **Chain:** C: **PDB Molecule:**potassium channel related protein; **PDBTitle:** crystal structure of mthk at 3.3 a
15	d1r3jc_	Alignment		66.0	15	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels
16	c2r9rH_	Alignment		59.8	7	**PDB header:**membrane protein, transport protein **Chain:** H: **PDB Molecule:**paddle chimera voltage gated potassium channel kv1.2-kv2.1; **PDBTitle:** shaker family voltage dependent potassium channel (kv1.2-kv2.1 paddle2 chimera channel) in association with beta subunit
17	c3behA_	Alignment		58.3	12	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**mll3241 protein; **PDBTitle:** structure of a bacterial cyclic nucleotide regulated ion channel
18	d1lnqa2	Alignment		45.5	29	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels

19	d1orqc_	Alignment		16.0	10	**Fold:**Voltage-gated potassium channels **Superfamily:**Voltage-gated potassium channels **Family:**Voltage-gated potassium channels