

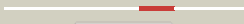
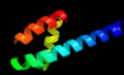





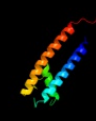

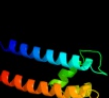







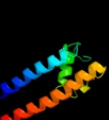

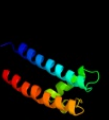


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3pjzA_	 Alignment		100.0	42	PDB header: transport protein Chain: A: PDB Molecule: potassium uptake protein trkh; PDBTitle: crystal structure of the potassium transporter trkh from vibrio2 parahaemolyticus
2	c3e8gB_	 Alignment		94.2	16	PDB header: membrane protein Chain: B: PDB Molecule: potassium channel protein; PDBTitle: crystal structure of the the open nak channel-na+/ca2+ complex
3	d1f6ga_	 Alignment		91.1	16	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
4	c1p7bB_	 Alignment		86.0	14	PDB header: metal transport Chain: B: PDB Molecule: integral membrane channel and cytosolic domains; PDBTitle: crystal structure of an inward rectifier potassium channel
5	c2qksA_	 Alignment		85.4	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
6	c1xl6B_	 Alignment		84.8	16	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	c3jycA_	 Alignment		82.4	14	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
8	c3ifxB_	 Alignment		73.0	14	PDB header: membrane protein Chain: B: PDB Molecule: voltage-gated potassium channel; PDBTitle: crystal structure of the spin-labeled kcsa mutant v48r1
9	c2kb1A_	 Alignment		65.1	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
10	d1p7ba2	 Alignment		57.2	16	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
11	d1xl4a2	 Alignment		54.9	13	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels

12	d1r3jc_	Alignment		51.5	11	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
13	c1lnqC_	Alignment		50.0	12	PDB header: metal transport Chain: C: PDB Molecule: potassium channel related protein; PDBTitle: crystal structure of mthk at 3.3 a
14	d2a9ha1	Alignment		33.0	11	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
15	c2r9rH_	Alignment		24.4	9	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
16	d1lnqa2	Alignment		24.0	21	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
17	d2h8pc1	Alignment		15.6	13	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels

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[c3behA](#)

Alignment



12.4

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PDB header:membrane protein
Chain: A: **PDB Molecule:**ml13241 protein;
PDBTitle: structure of a bacterial cyclic nucleotide regulated ion channel