








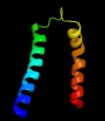



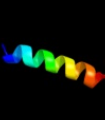







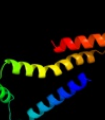
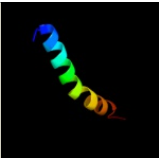
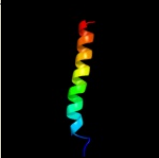
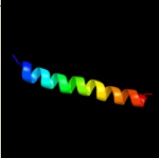
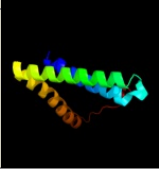


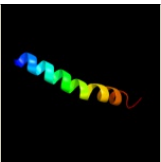
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1m0ka_	 Alignment		14.7	13	PDB header: ion transport Chain: A: PDB Molecule: bacteriorhodopsin; PDBTitle: bacteriorhodopsin k intermediate at 1.43 a resolution
2	d1m0ka_	 Alignment		14.7	13	Fold: Family A G protein-coupled receptor-like Superfamily: Family A G protein-coupled receptor-like Family: Bacteriorhodopsin-like
3	d1q90b_	 Alignment		9.9	19	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
4	d1nekc_	 Alignment		9.3	17	Fold: Heme-binding four-helical bundle Superfamily: Fumarate reductase respiratory complex transmembrane subunits Family: Succinate dehydrogenase/Fumarate reductase transmembrane subunits (SdhC/FrdC and SdhD/FrdD)
5	d1jb0b_	 Alignment		9.0	14	Fold: Photosystem I subunits PsaA/PsaB Superfamily: Photosystem I subunits PsaA/PsaB Family: Photosystem I subunits PsaA/PsaB
6	d1jb0a_	 Alignment		7.6	10	Fold: Photosystem I subunits PsaA/PsaB Superfamily: Photosystem I subunits PsaA/PsaB Family: Photosystem I subunits PsaA/PsaB
7	c2kixD_	 Alignment		7.5	20	PDB header: transport protein Chain: D: PDB Molecule: bm2 protein; PDBTitle: channel domain of bm2 protein from influenza b virus
8	d2e74a1	 Alignment		6.8	19	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
9	d1c8sa_	 Alignment		6.6	13	Fold: Family A G protein-coupled receptor-like Superfamily: Family A G protein-coupled receptor-like Family: Bacteriorhodopsin-like
10	d1xmec1	 Alignment		6.2	30	Fold: Single transmembrane helix Superfamily: Bacterial ba3 type cytochrome c oxidase subunit IIa Family: Bacterial ba3 type cytochrome c oxidase subunit IIa
11	c1yq3C_	 Alignment		5.9	13	PDB header: oxidoreductase Chain: C: PDB Molecule: succinate dehydrogenase cytochrome b, large subunit; PDBTitle: avian respiratory complex ii with oxaloacetate and ubiquinone

12	d1v54m_	Alignment		5.5	20	Fold: Single transmembrane helix Superfamily: Mitochondrial cytochrome c oxidase subunit VIIIb (aka IX) Family: Mitochondrial cytochrome c oxidase subunit VIIIb (aka IX)
13	c2ks1B_	Alignment		5.5	17	PDB header: transferase Chain: B: PDB Molecule: epidermal growth factor receptor; PDBTitle: heterodimeric association of transmembrane domains of erbb1 and erbb22 receptors enabling kinase activation
14	c2l2tA_	Alignment		5.3	17	PDB header: membrane protein Chain: A: PDB Molecule: receptor tyrosine-protein kinase erbb-4; PDBTitle: solution nmr structure of the erbb4 dimeric membrane domain
15	c3giaA_	Alignment		5.3	5	PDB header: transport protein Chain: A: PDB Molecule: uncharacterized protein mj0609; PDBTitle: crystal structure of apct transporter

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[c2y69Z](#)

Alignment



5.2

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PDB header:electron transport
Chain: Z: **PDB Molecule:**cytochrome c oxidase polypeptide 8h;
PDBTitle: bovine heart cytochrome c oxidase re-refined with molecular2 oxygen