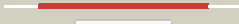
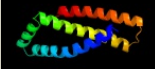


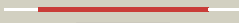
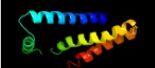

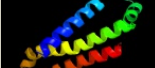





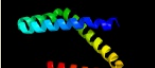

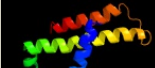

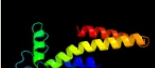


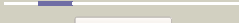

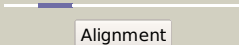



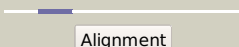



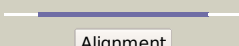

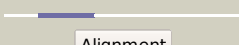
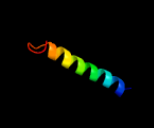
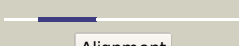
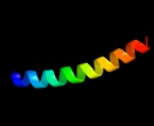






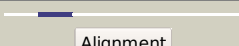



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3316_(sdhC)_3704273_3704611
Date	Thu Aug 8 16:20:52 BST 2019
Unique Job ID	80a451fbfe025daf

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1nekc_	 Alignment		100.0	23	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)
2	c1yq3C_	 Alignment		100.0	21	PDB header: oxidoreductase Chain: C: PDB Molecule: succinate dehydrogenase cytochrome b, large subunit; PDBTitle: avian respiratory complex ii with oxaloacetate and ubiquinone
3	c3vr6G_	 Alignment		99.9	18	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: G: PDB Molecule: cytochrome b-large subunit; PDBTitle: mitochondrial rhodoquinol-fumarate reductase from the parasitic2 nematode ascaris suum with the specific inhibitor flutolanil and3 substrate fumarate
4	d1nekd_	 Alignment		99.7	21	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	d2bs2c1	 Alignment		99.1	16	Fold: Heme-binding four-helical bundle Superfamily: Fumarate reductase respiratory complex transmembrane subunits Family: Fumarate reductase respiratory complex cytochrome b subunit, FrdC
6	c5xmjG_	 Alignment		98.8	14	PDB header: electron transport Chain: G: PDB Molecule: fumarate reductase respiratory complex; PDBTitle: crystal structure of quinol:fumarate reductase from desulfovibrio2 gigas
7	d1kf6c_	 Alignment		97.6	10	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)
8	d1kf6d_	 Alignment		97.5	14	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)
9	d3cx5c2	 Alignment		19.7	12	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
10	d1q90b_	 Alignment		15.7	12	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
11	c5mrwL_	 Alignment		11.6	27	PDB header: hydrolase Chain: L: PDB Molecule: potassium-transporting atpase kdpf subunit; PDBTitle: structure of the kdpfabc complex

12	c6hraD_	 Alignment		11.6	27	PDB header: membrane protein Chain: D: PDB Molecule: potassium-transporting atpase kdpf subunit; PDBTitle: cryo-em structure of the kdpfabc complex in an e1 outward-facing state2 (state 1)
13	c6hrbD_	 Alignment		11.6	27	PDB header: membrane protein Chain: D: PDB Molecule: potassium-transporting atpase kdpf subunit; PDBTitle: cryo-em structure of the kdpfabc complex in an e2 inward-facing state2 (state 2)
14	c5mrwD_	 Alignment		11.6	27	PDB header: hydrolase Chain: D: PDB Molecule: potassium-transporting atpase kdpf subunit; PDBTitle: structure of the kdpfabc complex
15	c5mrwH_	 Alignment		11.6	27	PDB header: hydrolase Chain: H: PDB Molecule: potassium-transporting atpase kdpf subunit; PDBTitle: structure of the kdpfabc complex
16	c1zp0D_	 Alignment		11.4	22	PDB header: oxidoreductase Chain: D: PDB Molecule: small cytochrome binding protein; PDBTitle: crystal structure of mitochondrial respiratory complex ii2 bound with 3-nitropropionate and 2-thenyltrifluoroacetone
17	c6et5b_	 Alignment		11.1	24	PDB header: photosynthesis Chain: B: PDB Molecule: PDBTitle: reaction centre light harvesting complex 1 from blc. viridis
18	c1xrdA_	 Alignment		9.0	26	PDB header: membrane protein Chain: A: PDB Molecule: light-harvesting protein b-880, alpha chain; PDBTitle: light-harvesting complex 1 alfa subunit from wild-type2 rhodospirillum rubrum
19	d1xrdA1	 Alignment		9.0	26	Fold: Light-harvesting complex subunits Superfamily: Light-harvesting complex subunits Family: Light-harvesting complex subunits
20	d2e74a1	 Alignment		7.8	16	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
21	c4idxA_	 Alignment	not modelled	7.7	67	PDB header: dna binding protein Chain: A: PDB Molecule: nucleocapsid protein; PDBTitle: hexameric crystal structure of schmallenberg virus nucleoprotein
22	c3wmmY_	 Alignment	not modelled	7.4	29	PDB header: photosynthesis Chain: Y: PDB Molecule: lh1 alpha polypeptide; PDBTitle: crystal structure of the lh1-rc complex from thermochromatium tepidum2 in c2 form
23	c4ijsB_	 Alignment	not modelled	6.7	67	PDB header: rna binding protein/rna Chain: B: PDB Molecule: nucleoprotein; PDBTitle: crystal structure of nucleocapsid protein encoded by the prototypic2 member of orthobunyavirus
24	c5zazA_	 Alignment	not modelled	5.1	13	PDB header: cell adhesion Chain: A: PDB Molecule: integrin beta-2; PDBTitle: solution structure of integrin b2 monomer tranmembrane domain in2 bicelle