


















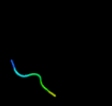

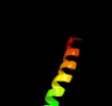
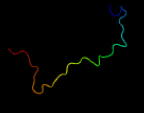










Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD2053c_(fxsA)_2312530_2313057
 Date Mon Aug 5 13:25:16 BST 2019
 Unique Job ID 735c6490002c0ec5

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3tadB_	 Alignment		59.6	24	PDB header: protein binding Chain: B; PDB Molecule: liprin-alpha-2; PDBTitle: crystal structure of the liprin-alpha/liprin-beta complex
2	d2e74f1	 Alignment		34.4	22	Fold: Single transmembrane helix Superfamily: PetM subunit of the cytochrome b6f complex Family: PetM subunit of the cytochrome b6f complex
3	c2zt9F_	 Alignment		31.6	22	PDB header: photosynthesis Chain: F; PDB Molecule: cytochrome b6-f complex subunit 7; PDBTitle: crystal structure of the cytochrome b6f complex from nostoc sp. pcc2 7120
4	c4h44F_	 Alignment		31.6	22	PDB header: photosynthesis Chain: F; PDB Molecule: cytochrome b6-f complex subunit 7; PDBTitle: 2.70 a cytochrome b6f complex structure from nostoc pcc 7120
5	c4ogqF_	 Alignment		31.6	22	PDB header: electron transport Chain: F; PDB Molecule: cytochrome b6-f complex subunit 7; PDBTitle: internal lipid architecture of the hetero-oligomeric cytochrome b6f2 complex
6	c2cpbA_	 Alignment		29.2	24	PDB header: viral protein Chain: A; PDB Molecule: m13 major coat protein; PDBTitle: solution nmr structures of the major coat protein of2 filamentous bacteriophage m13 solubilized in3 dodecylphosphocholine micelles, 25 lowest energy structures
7	c3jcue_	 Alignment		17.9	25	PDB header: membrane protein Chain: E; PDB Molecule: cytochrome b559 subunit alpha; PDBTitle: cryo-em structure of spinach psii-lhcii supercomplex at 3.2 angstrom2 resolution
8	c3kziE_	 Alignment		16.8	25	PDB header: electron transport Chain: E; PDB Molecule: cytochrome b559 subunit alpha; PDBTitle: crystal structure of monomeric form of cyanobacterial photosystem ii
9	d2axte1	 Alignment		15.9	25	Fold: Single transmembrane helix Superfamily: Cytochrome b559 subunits Family: Cytochrome b559 subunits
10	c5wlbC_	 Alignment		12.6	40	PDB header: protein binding Chain: C; PDB Molecule: 225-15 b; PDBTitle: kras g12v, bound to gppnhp and miniprotein 225-15a/b
11	c6fkib_	 Alignment		10.1	15	PDB header: membrane protein Chain: B; PDB Molecule: atp synthase subunit beta, chloroplastic; PDBTitle: chloroplast f1fo conformation 3

12	c5xv8A_	Alignment		9.4	14	PDB header: nuclear protein Chain: A: PDB Molecule: uv-stimulated scaffold protein a; PDBTitle: solution structure of the complex between uvssa acidic region and2 tfih p62 ph domain
13	c5ktfA_	Alignment		9.3	38	PDB header: signaling protein Chain: A: PDB Molecule: scavenger receptor class b member 1; PDBTitle: structure of the c-terminal transmembrane domain of scavenger receptor2 bi (sr-bi)
14	c6gcsq_	Alignment		9.3	24	PDB header: oxidoreductase Chain: G: PDB Molecule: 30-kda protein (nugm); PDBTitle: cryo-em structure of respiratory complex i from yarrowia lipolytica
15	c4v1gA_	Alignment		8.3	13	PDB header: hydrolase Chain: A: PDB Molecule: f0f1 atp synthase subunit c; PDBTitle: crystal structure of a mycobacterial atp synthase rotor ring
16	c5ounA_	Alignment		6.9	24	PDB header: hydrolase Chain: A: PDB Molecule: ruvb-like protein 2; PDBTitle: nmr solution structure of the external dii domain of rvb2 from2 saccharomyces cerevisiae
17	d2i5nh2	Alignment		6.8	17	Fold: Single transmembrane helix Superfamily: Photosystem II reaction centre subunit H, transmembrane region Family: Photosystem II reaction centre subunit H, transmembrane region
18	c4k7eA_	Alignment		6.7	42	PDB header: viral protein Chain: A: PDB Molecule: nucleoprotein; PDBTitle: crystal structure of junin virus nucleoprotein
19	c2mpnB_	Alignment		5.9	20	PDB header: membrane protein Chain: B: PDB Molecule: inner membrane protein ygap; PDBTitle: 3d nmr structure of the transmembrane domain of the full-length inner2 membrane protein ygap from escherichia coli
20	c2mpnA_	Alignment		5.9	20	PDB header: membrane protein Chain: A: PDB Molecule: inner membrane protein ygap; PDBTitle: 3d nmr structure of the transmembrane domain of the full-length inner2 membrane protein ygap from escherichia coli
21	c4o6hA_	Alignment	not modelled	5.5	45	PDB header: hydrolase Chain: A: PDB Molecule: nucleoprotein; PDBTitle: 2.8a crystal structure of lymphocytic choriomeningitis virus2 nucleoprotein c-terminal domain