




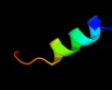



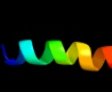











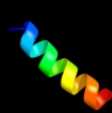

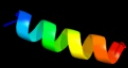

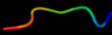



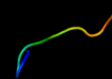



Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3mp7B_	 Alignment		45.5	27	PDB header: protein transport Chain: B: PDB Molecule: preprotein translocase subunit sece; PDBTitle: lateral opening of a translocon upon entry of protein suggests the2 mechanism of insertion into membranes
2	c3cjlA_	 Alignment		35.6	19	PDB header: unknown function Chain: A: PDB Molecule: domain of unknown function; PDBTitle: crystal structure of a protein of unknown function (eca1910) from2 pectobacterium atrosepticum scri1043 at 2.20 a resolution
3	d2pv4a1	 Alignment		15.1	35	Fold: Sama2622-like Superfamily: Sama2622-like Family: Sama2622-like
4	d1q90n_	 Alignment		14.1	28	Fold: Single transmembrane helix Superfamily: PetN subunit of the cytochrome b6f complex Family: PetN subunit of the cytochrome b6f complex
5	c1vf5H_	 Alignment		12.8	22	PDB header: photosynthesis Chain: H: PDB Molecule: protein pet n; PDBTitle: crystal structure of cytochrome b6f complex from m.laminosus
6	c1vf5U_	 Alignment		12.8	22	PDB header: photosynthesis Chain: U: PDB Molecule: protein pet n; PDBTitle: crystal structure of cytochrome b6f complex from m.laminosus
7	c2d2cU_	 Alignment		12.8	22	PDB header: photosynthesis Chain: U: PDB Molecule: cytochrome b6-f complex subunit viii; PDBTitle: crystal structure of cytochrome b6f complex with dbmib from2 m. laminosus
8	d2e74h1	 Alignment		12.8	22	Fold: Single transmembrane helix Superfamily: PetN subunit of the cytochrome b6f complex Family: PetN subunit of the cytochrome b6f complex
9	c2d2cH_	 Alignment		12.8	22	PDB header: photosynthesis Chain: H: PDB Molecule: cytochrome b6-f complex subunit viii; PDBTitle: crystal structure of cytochrome b6f complex with dbmib from2 m. laminosus
10	d1xmeb2	 Alignment		12.6	46	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
11	c2e76H_	 Alignment		11.6	22	PDB header: photosynthesis Chain: H: PDB Molecule: cytochrome b6-f complex subunit 8; PDBTitle: crystal structure of the cytochrome b6f complex with tridecyl-2 stigmatellin (tds) from m.laminosus

12	c2e74H_	Alignment		11.6	22	PDB header: photosynthesis Chain: H: PDB Molecule: cytochrome b6-f complex subunit 8; PDBTitle: crystal structure of the cytochrome b6f complex from m.lamosus
13	c2e75H_	Alignment		11.6	22	PDB header: photosynthesis Chain: H: PDB Molecule: cytochrome b6-f complex subunit 8; PDBTitle: crystal structure of the cytochrome b6f complex with 2-nonyl-4-2 hydroxyquinoline n-oxide (nqno) from m.lamosus
14	c2zu8A_	Alignment		9.6	21	PDB header: transferase Chain: A: PDB Molecule: mannosyl-3-phosphoglycerate synthase; PDBTitle: crystal structure of mannosyl-3-phosphoglycerate synthase2 from pyrococcus horikoshii
15	c3lr4A_	Alignment		9.4	57	PDB header: transferase Chain: A: PDB Molecule: sensor protein; PDBTitle: periplasmic domain of the riss sensor protein from burkholderia2 pseudomallei, barium phased at low ph
16	c2gjhA_	Alignment		8.9	64	PDB header: de novo protein Chain: A: PDB Molecule: designed protein; PDBTitle: nmr structure of cfr (c-terminal fragment of2 computationally designed novel-topology protein top7)
17	d1wmhb_	Alignment		8.1	30	Fold: beta-Grasp (ubiquitin-like) Superfamily: CAD & PB1 domains Family: PB1 domain
18	c1ckkB_	Alignment		7.1	50	PDB header: calmodulin-peptide complex Chain: B: PDB Molecule: protein (rat ca2+/calmodulin dependent protein PDBTitle: calmodulin/rat ca2+/calmodulin dependent protein kinase2 fragment
19	d2pu9b1	Alignment		6.8	27	Fold: SH3-like barrel Superfamily: Electron transport accessory proteins Family: Ferredoxin thioredoxin reductase (FTR), alpha (variable) chain
20	c1jb0K_	Alignment		6.3	36	PDB header: photosynthesis Chain: K: PDB Molecule: photosystem 1 reaction centre subunit x; PDBTitle: crystal structure of photosystem i: a photosynthetic reaction center2 and core antenna system from cyanobacteria
21	d1jb0K_	Alignment	not modelled	6.3	36	Fold: Photosystem I reaction center subunit X, PsaK Superfamily: Photosystem I reaction center subunit X, PsaK Family: Photosystem I reaction center subunit X, PsaK
22	c2wvmA_	Alignment	not modelled	6.2	29	PDB header: transferase Chain: A: PDB Molecule: mannosyl-3-phosphoglycerate synthase; PDBTitle: h309a mutant of mannosyl-3-phosphoglycerate synthase from2 thermus thermophilus hb27 in complex with3 gdp-alpha-d-mannose and mg(ii)
23	d1td6a_	Alignment	not modelled	5.8	33	Fold: Hypothetical protein MPN330 Superfamily: Hypothetical protein MPN330 Family: Hypothetical protein MPN330
24	c2w0cT_	Alignment	not modelled	5.7	50	PDB header: virus Chain: T: PDB Molecule: protein p6; PDBTitle: x-ray structure of the entire lipid-containing2 bacteriophage pm2