






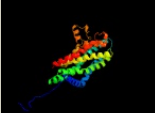
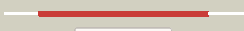






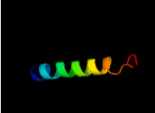

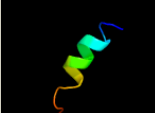

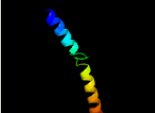


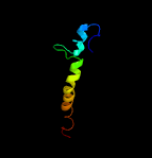
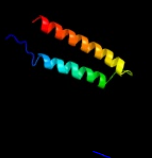
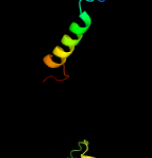


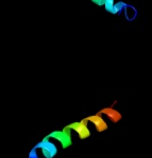
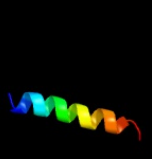



Phyre2

Email mdejesus@rockefeller.edu
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 Date Thu Aug 8 16:20:09 BST 2019
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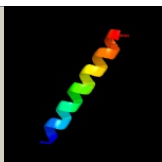
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6an7C_	 Alignment		100.0	11	PDB header: transport protein Chain: C: PDB Molecule: transport permease protein; PDBTitle: crystal structure of o-antigen polysaccharide abc-transporter
2	c5njgB_	 Alignment		100.0	12	PDB header: transport protein Chain: B: PDB Molecule: atp-binding cassette sub-family g member 2; PDBTitle: structure of an abc transporter: part of the structure that could be2 built de novo
3	c6an7D_	 Alignment		100.0	11	PDB header: transport protein Chain: D: PDB Molecule: transport permease protein; PDBTitle: crystal structure of o-antigen polysaccharide abc-transporter
4	c5do7A_	 Alignment		100.0	9	PDB header: transport protein Chain: A: PDB Molecule: atp-binding cassette sub-family g member 5; PDBTitle: crystal structure of the human sterol transporter abcg5/abcg8
5	c5do7B_	 Alignment		100.0	12	PDB header: transport protein Chain: B: PDB Molecule: atp-binding cassette sub-family g member 8; PDBTitle: crystal structure of the human sterol transporter abcg5/abcg8
6	c5nj3B_	 Alignment		100.0	11	PDB header: transport protein Chain: B: PDB Molecule: atp-binding cassette sub-family g member 2; PDBTitle: structure of an abc transporter: complete structure
7	c5xjvA_	 Alignment		98.6	10	PDB header: transport protein Chain: A: PDB Molecule: atp-binding cassette sub-family a member 1; PDBTitle: cryo-em structure of human abca1
8	c6adql_	 Alignment		63.8	21	PDB header: electron transport Chain: I: PDB Molecule: cytochrome c oxidase subunit ctaj; PDBTitle: respiratory complex ciiv2civ2sod2 from mycobacterium smegmatis
9	c6hwhR_	 Alignment		56.2	33	PDB header: electron transport Chain: R: PDB Molecule: msmeg_4693; PDBTitle: structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis
10	c1iflA_	 Alignment		23.0	23	PDB header: virus Chain: A: PDB Molecule: inovirus; PDBTitle: molecular models and structural comparisons of native and2 mutant class i filamentous bacteriophages ff (fd, f1, m13),3 if1 and ike
11	c6d6tE_	 Alignment		7.8	14	PDB header: transport protein Chain: E: PDB Molecule: human gaba-a receptor subunit gamma-2; PDBTitle: human gaba-a receptor alpha1-beta2-gamma2 subtype in complex with gaba2 and flumazenil, conformation b

12	d1fftb2	Alignment		7.7	17	<p>Fold:Transmembrane helix hairpin</p> <p>Superfamily:Cytochrome c oxidase subunit II-like, transmembrane region</p> <p>Family:Cytochrome c oxidase subunit II-like, transmembrane region</p>
13	c2llyA_	Alignment		6.6	11	<p>PDB header:transport protein</p> <p>Chain: A; PDB Molecule:neuronal acetylcholine receptor subunit alpha-4;</p> <p>PDBTitle: nmr structures of the transmembrane domains of the nachr a4 subunit</p>
14	c2k58B_	Alignment		6.3	15	<p>PDB header:transport protein</p> <p>Chain: B; PDB Molecule:neuronal acetylcholine receptor subunit beta-2;</p> <p>PDBTitle: nmr structures of the first transmembrane domain of the2 neuronal acetylcholine receptor beta 2 subunit</p>
15	c2mawA_	Alignment		5.7	9	<p>PDB header:membrane protein</p> <p>Chain: A; PDB Molecule:neuronal acetylcholine receptor subunit alpha-7;</p> <p>PDBTitle: nmr structures of the alpha7 nachr transmembrane domain.</p>
16	c4hkrB_	Alignment		5.5	11	<p>PDB header:transport protein</p> <p>Chain: B; PDB Molecule:calcium release-activated calcium channel protein 1;</p> <p>PDBTitle: calcium release-activated calcium (crac) channel orai</p>
17	c4hkrA_	Alignment		5.2	11	<p>PDB header:transport protein</p> <p>Chain: A; PDB Molecule:calcium release-activated calcium channel protein 1;</p> <p>PDBTitle: calcium release-activated calcium (crac) channel orai</p>
18	c4cdiC_	Alignment		5.1	22	<p>PDB header:membrane protein</p> <p>Chain: C; PDB Molecule:predicted protein;</p> <p>PDBTitle: crystal structure of acrb-acrz complex</p>
19	c2bbjB_	Alignment		5.1	15	<p>PDB header:metal transport/membrane protein</p> <p>Chain: B; PDB Molecule:divalent cation transport-related protein;</p> <p>PDBTitle: crystal structure of the cora mg2+ transporter</p>

20 [c2jwaA_](#)

Alignment



5.0

42

PDB header:transferase
Chain: A: **PDB Molecule:**receptor tyrosine-protein kinase erbb-2;
PDBTitle: erbb2 transmembrane segment dimer spatial structure