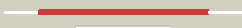









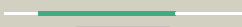


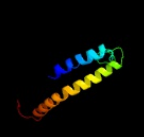

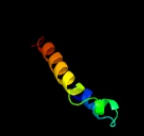



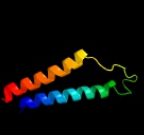

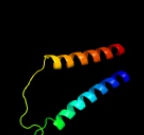
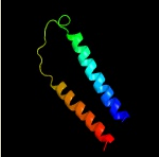
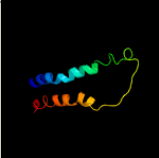
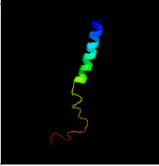


Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD3578_ (arsB2)_4020321_4021562
 Date Fri Aug 9 18:20:26 BST 2019
 Unique Job ID 27f0d82964e1f769

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4f35C_	 Alignment		100.0	14	PDB header: transport protein Chain: C: PDB Molecule: transporter, nadc family; PDBTitle: crystal structure of a bacterial dicarboxylate/sodium symporter
2	c4r1iB_	 Alignment		100.0	13	PDB header: membrane protein Chain: B: PDB Molecule: aminobenzoyl-glutamate transporter; PDBTitle: structure and function of neisseria gonorrhoeae mtrf illuminates a2 class of antimetabolite efflux pumps
3	c4r0cB_	 Alignment		99.8	15	PDB header: membrane protein Chain: B: PDB Molecule: abgt putative transporter family; PDBTitle: crystal structure of the alcanivorax borkumensis ydah transporter2 reveals an unusual topology
4	c4czbB_	 Alignment		69.7	10	PDB header: membrane protein Chain: B: PDB Molecule: na(+)/h(+) antiporter 1; PDBTitle: structure of the sodium proton antiporter mjnhap1 from2 methanocaldococcus jannaschii at ph 8.
5	c4bwzA_	 Alignment		43.1	17	PDB header: transport protein Chain: A: PDB Molecule: na(+)/h(+) antiporter; PDBTitle: crystal structure of the sodium proton antiporter, napa
6	c5bz3A_	 Alignment		43.1	17	PDB header: transport protein Chain: A: PDB Molecule: na(+)/h(+) antiporter; PDBTitle: crystal structure of sodium proton antiporter napa in outward-facing2 conformation.
7	c3qngD_	 Alignment		23.7	11	PDB header: membrane protein, transport protein Chain: D: PDB Molecule: pts system, cellobiose-specific iic component; PDBTitle: crystal structure of the transporter chbc, the iic component from the2 n,n'-diacetylchitobiose-specific phosphotransferase system
8	c2bbjB_	 Alignment		16.7	15	PDB header: metal transport/membrane protein Chain: B: PDB Molecule: divalent cation transport-related protein; PDBTitle: crystal structure of the cora mg2+ transporter
9	c5a1sB_	 Alignment		11.9	14	PDB header: transport protein Chain: B: PDB Molecule: citrate-sodium symporter; PDBTitle: crystal structure of the sodium-dependent citrate symporter secits2 form salmonella enterica.
10	c1ar1B_	 Alignment		8.9	8	PDB header: complex (oxidoreductase/antibody) Chain: B: PDB Molecule: cytochrome c oxidase; PDBTitle: structure at 2.7 angstrom resolution of the paracoccus2 denitrificans two-subunit cytochrome c oxidase complexed3 with an antibody fv fragment
11	c1qlqB_	 Alignment		8.9	8	PDB header: oxidoreductase/immune system Chain: B: PDB Molecule: cytochrome c oxidase polypeptide ii; PDBTitle: cryo-structure of the paracoccus denitrificans four-subunit cytochrome2 c oxidase in the completely oxidized state complexed with an antibody3 fv fragment

12	c1m57H_	Alignment		7.9	5	<p>PDB header:oxidoreductase Chain: H: PDB Molecule:cytochrome c oxidase; PDBTitle: structure of cytochrome c oxidase from rhodobacter2 sphaeroides (eq(i-286) mutant))</p>
13	d1fftb2	Alignment		7.2	15	<p>Fold:Transmembrane helix hairpin Superfamily:Cytochrome c oxidase subunit II-like, transmembrane region Family:Cytochrome c oxidase subunit II-like, transmembrane region</p>
14	c2kncA_	Alignment		6.1	15	<p>PDB header:cell adhesion Chain: A: PDB Molecule:integrin alpha-iiB; PDBTitle: platelet integrin alpha-iiB-beta3 transmembrane-cytoplasmic2 heterocomplex</p>

15

[c4us3A_](#)

Alignment



5.4

11

PDB header:transport protein
Chain: A: **PDB Molecule:**transporter;
PDBTitle: crystal structure of the bacterial nss member mhst in an2 occluded inward-facing state