



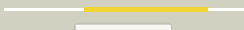





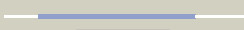










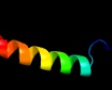
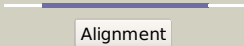

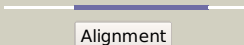
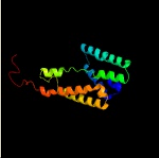
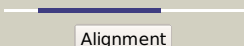



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1337_(-)_1504362_1505084
Date	Wed Jul 31 22:05:43 BST 2019
Unique Job ID	a8066258dc3c10f6

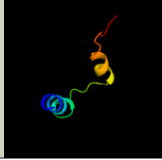
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d3b45a1	 Alignment		100.0	17	Fold: Rhomboid-like Superfamily: Rhomboid-like Family: Rhomboid-like
2	d2nr9a1	 Alignment		99.9	14	Fold: Rhomboid-like Superfamily: Rhomboid-like Family: Rhomboid-like
3	c2gfpA_	 Alignment		79.6	13	PDB header: membrane protein Chain: A: PDB Molecule: multidrug resistance protein d; PDBTitle: structure of the multidrug transporter emrd from2 escherichia coli
4	c4zp0A_	 Alignment		65.4	13	PDB header: transport protein Chain: A: PDB Molecule: multidrug transporter mdfa; PDBTitle: crystal structure of e. coli multidrug transporter mdfa in complex2 with deoxycholate
5	c6e9oA_	 Alignment		55.5	14	PDB header: membrane protein Chain: A: PDB Molecule: d-galactonate transport; PDBTitle: e. coli d-galactonate:proton symporter mutant e133q in the outward2 substrate-bound form
6	c4iu8A_	 Alignment		29.2	12	PDB header: transport protein Chain: A: PDB Molecule: nitrite extrusion protein 2; PDBTitle: crystal structure of a membrane transporter (selenomethionine2 derivative)
7	c3wdoA_	 Alignment		28.0	9	PDB header: transport protein Chain: A: PDB Molecule: mfs transporter; PDBTitle: structure of e. coli yajr transporter
8	c6h7dA_	 Alignment		27.3	13	PDB header: membrane protein Chain: A: PDB Molecule: sugar transport protein 10; PDBTitle: crystal structure of a. thaliana sugar transport protein 10 in complex2 with glucose in the outward occluded state
9	d1pw4a_	 Alignment		23.5	9	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: Glycerol-3-phosphate transporter
10	c6g9xB_	 Alignment		19.7	12	PDB header: membrane protein Chain: B: PDB Molecule: major facilitator superfamily mfs_1; PDBTitle: crystal structure of a mfs transporter at 2.54 angstroem resolution
11	c5gufA_	 Alignment		19.4	35	PDB header: transferase Chain: A: PDB Molecule: cdp-archaeol synthase; PDBTitle: structural insight into an intramembrane enzyme for archaeal membrane2 lipids biosynthesis

12	c4ldsB_	 Alignment		11.9	16	PDB header: transport protein, membrane protein Chain: B: PDB Molecule: bicyclomycin resistance protein tcab; PDBTitle: the inward-facing structure of the glucose transporter from2 staphylococcus epidermidis
13	c5xpdA_	 Alignment		11.5	11	PDB header: transport protein Chain: A: PDB Molecule: sugar transporter; PDBTitle: sugar transporter of atsweet13 in inward-facing state with a substrate2 analog
14	c4j05A_	 Alignment		7.6	13	PDB header: transport protein Chain: A: PDB Molecule: phosphate transporter; PDBTitle: crystal structure of a eukaryotic phosphate transporter

15 [c2b6pA](#)

Alignment



5.7

9

PDB header:membrane protein

Chain: A: **PDB Molecule:**lens fiber major intrinsic protein;

PDBTitle: x-ray structure of lens aquaporin-0 (aqu0) (lens mip) in an open pore2 state