
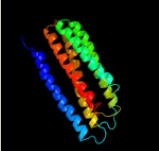

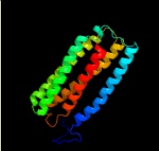

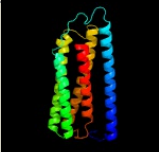



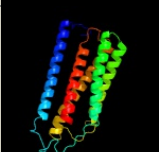

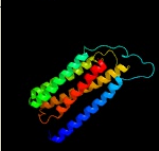












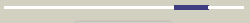
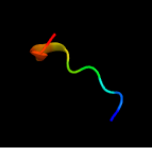


# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2193_(ctaE)_2456909_2457520
Date	Mon Aug 5 13:25:32 BST 2019
Unique Job ID	3a1930c6d9f16db4

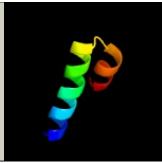
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6hwhW_</a>	 Alignment		100.0	87	<b>PDB header:</b> electron transport <b>Chain:</b> W: <b>PDB Molecule:</b> cytochrome c oxidase subunit 3; <b>PDBTitle:</b> structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis
2	<a href="#">c2yevA_</a>	 Alignment		100.0	27	<b>PDB header:</b> electron transport <b>Chain:</b> A: <b>PDB Molecule:</b> cytochrome c oxidase polypeptide i+iii; <b>PDBTitle:</b> structure of caa3-type cytochrome oxidase
3	<a href="#">d1v54c_</a>	 Alignment		100.0	33	<b>Fold:</b> Cytochrome c oxidase subunit III-like <b>Superfamily:</b> Cytochrome c oxidase subunit III-like <b>Family:</b> Cytochrome c oxidase subunit III-like
4	<a href="#">d1qlc_</a>	 Alignment		100.0	31	<b>Fold:</b> Cytochrome c oxidase subunit III-like <b>Superfamily:</b> Cytochrome c oxidase subunit III-like <b>Family:</b> Cytochrome c oxidase subunit III-like
5	<a href="#">c6hu9o_</a>	 Alignment		100.0	28	<b>PDB header:</b> oxidoreductase/electron transport <b>Chain:</b> O: <b>PDB Molecule:</b> cytochrome c1, heme protein, mitochondrial; <b>PDBTitle:</b> iii2-iv2 mitochondrial respiratory supercomplex from s. cerevisiae
6	<a href="#">d1m56c_</a>	 Alignment		100.0	30	<b>Fold:</b> Cytochrome c oxidase subunit III-like <b>Superfamily:</b> Cytochrome c oxidase subunit III-like <b>Family:</b> Cytochrome c oxidase subunit III-like
7	<a href="#">d1fft_</a>	 Alignment		100.0	30	<b>Fold:</b> Cytochrome c oxidase subunit III-like <b>Superfamily:</b> Cytochrome c oxidase subunit III-like <b>Family:</b> Cytochrome c oxidase subunit III-like
8	<a href="#">c5tc1M_</a>	 Alignment		10.8	22	<b>PDB header:</b> viral protein/rna <b>Chain:</b> M: <b>PDB Molecule:</b> maturation protein; <b>PDBTitle:</b> in situ structures of the genome and genome-delivery apparatus in2 ssrna bacteriophage ms2
9	<a href="#">d1jb0i_</a>	 Alignment		10.1	38	<b>Fold:</b> Single transmembrane helix <b>Superfamily:</b> Subunit VIII of photosystem I reaction centre, PsaI <b>Family:</b> Subunit VIII of photosystem I reaction centre, PsaI
10	<a href="#">c4fe1l_</a>	 Alignment		10.1	38	<b>PDB header:</b> photosynthesis <b>Chain:</b> I: <b>PDB Molecule:</b> photosystem i reaction center subunit viii; <b>PDBTitle:</b> improving the accuracy of macromolecular structure refinement at 7 a2 resolution
11	<a href="#">c4djaA_</a>	 Alignment		9.0	33	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> photolyase; <b>PDBTitle:</b> crystal structure of a prokaryotic (6-4) photolyase phrb from2 agrobacterium tumefaciens with an fe-s cluster and a 6,7-dimethyl-8-3 ribityllumazine antenna chromophore at 1.45a resolution

12	<a href="#">c4csoD_</a>  Alignment		8.4	44	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> orfy protein, transcription factor; <b>PDBTitle:</b> the structure of orfy from thermoproteus tenax
13	<a href="#">c6hq8B_</a>  Alignment		7.9	56	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> beta-1,3-oligosaccharide phosphorylase; <b>PDBTitle:</b> bacterial beta-1,3-oligosaccharide phosphorylase from gh149 with2 laminarihexaose bound at a surface site

14 [c5mntD](#)

Alignment



6.6

33

**PDB header:** rna binding protein  
**Chain:** D: **PDB Molecule:** a2 maturation protein;  
**PDBTitle:** bacteriophage qbeta maturation protein