



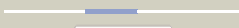
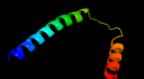

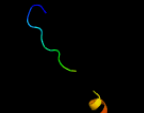



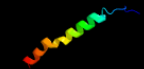



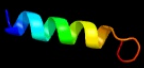








# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1591_(-)_1791577_1792242
Date	Fri Aug 2 13:30:18 BST 2019
Unique Job ID	4ecaa5a8c1c54ec9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6humQ_</a>	 Alignment		57.6	13	<b>PDB header:</b> proton transport <b>Chain:</b> Q: <b>PDB Molecule:</b> proton-translocating nadh-quinone dehydrogenase subunit q <b>PDBTitle:</b> structure of the photosynthetic complex i from thermosynechococcus2 elongatus
2	<a href="#">c3wmmP_</a>	 Alignment		53.6	32	<b>PDB header:</b> photosynthesis <b>Chain:</b> P: <b>PDB Molecule:</b> lh1 beta polypeptide; <b>PDBTitle:</b> crystal structure of the lh1-rc complex from thermochromatium tepidum2 in c2 form
3	<a href="#">c5kbuA_</a>	 Alignment		24.6	16	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> glutamate receptor 2,voltage-dependent calcium channel <b>PDBTitle:</b> cryo-em structure of glua2-2xstz complex at 7.8 angstrom resolution
4	<a href="#">c2jpwA_</a>	 Alignment		20.5	35	<b>PDB header:</b> contractile protein <b>Chain:</b> A: <b>PDB Molecule:</b> troponin i, cardiac muscle; <b>PDBTitle:</b> solution structure of the bisphosphorylated cardiac2 specific n-extension of cardiac troponin i
5	<a href="#">d2za7a1</a>	 Alignment		16.9	35	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
6	<a href="#">c6et5u_</a>	 Alignment		14.5	29	<b>PDB header:</b> photosynthesis <b>Chain:</b> U: <b>PDB Molecule:</b> light-harvesting protein b-1015 gamma chain; <b>PDBTitle:</b> reaction centre light harvesting complex 1 from blc. viridis
7	<a href="#">d1r03a_</a>	 Alignment		14.3	40	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
8	<a href="#">d2ceia1</a>	 Alignment		13.0	35	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
9	<a href="#">d1z6om1</a>	 Alignment		12.3	30	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
10	<a href="#">c3vnxA_</a>	 Alignment		12.1	40	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> ferritin; <b>PDBTitle:</b> crystal structure of ferritin from multicellular green algae, ulva2 pertusa.
11	<a href="#">d1bg7a_</a>	 Alignment		11.3	35	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin

12	<a href="#">d1lb3a_</a>	Alignment		11.3	35	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
13	<a href="#">d1rcda_</a>	Alignment		11.3	35	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
14	<a href="#">c3a9gR_</a>	Alignment		11.0	30	<b>PDB header:</b> oxidoreductase <b>Chain:</b> R: <b>PDB Molecule:</b> <b>PDBTitle:</b> crystal structure analysis of e173a variant of the soybean2 ferritin sfer4
15	<a href="#">d1lghb_</a>	Alignment		10.1	26	<b>Fold:</b> Light-harvesting complex subunits <b>Superfamily:</b> Light-harvesting complex subunits <b>Family:</b> Light-harvesting complex subunits
16	<a href="#">c1wrgA_</a>	Alignment		8.2	26	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> light-harvesting protein b-880, beta chain; <b>PDBTitle:</b> light-harvesting complex 1 beta subunit from wild-type2 rhodospirillum rubrum
17	<a href="#">d1mfra_</a>	Alignment		8.0	35	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> Ferritin-like <b>Family:</b> Ferritin
18	<a href="#">c6f0kA_</a>	Alignment		7.8	16	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> cytochrome c family protein; <b>PDBTitle:</b> alternative complex iii
19	<a href="#">c2lorA_</a>	Alignment		7.6	8	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> transmembrane protein 141; <b>PDBTitle:</b> backbone structure of human membrane protein tmem141
20	<a href="#">c2y8sE_</a>	Alignment		7.6	35	<b>PDB header:</b> membrane protein <b>Chain:</b> E: <b>PDB Molecule:</b> rhoptyr neck protein 2; <b>PDBTitle:</b> co-structure of an ama1 mutant (y230a) with a surface exposed region2 of ron2 from toxoplasma gondii
21	<a href="#">c2y8tB_</a>	Alignment	not modelled	7.3	35	<b>PDB header:</b> membrane protein <b>Chain:</b> B: <b>PDB Molecule:</b> rhoptyr neck protein 2; <b>PDBTitle:</b> co-structure of ama1 with a surface exposed region of ron2 from2 toxoplasma gondii
22	<a href="#">c2hn8A_</a>	Alignment	not modelled	6.5	40	<b>PDB header:</b> viral protein <b>Chain:</b> A: <b>PDB Molecule:</b> protein pb1-f2; <b>PDBTitle:</b> structural characterization and oligomerization of pb1-f2,2 a pro-apoptotic influenza a virus protein
23	<a href="#">c5h7yB_</a>	Alignment	not modelled	6.3	36	<b>PDB header:</b> hydrolase inhibitor/peptide <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> structure of immunity protein tplei of t6ss from pseudomonas2 aeruginosa complexed with "l" peptide
24	<a href="#">c6a4uD_</a>	Alignment	not modelled	5.5	40	<b>PDB header:</b> metal binding protein <b>Chain:</b> D: <b>PDB Molecule:</b> ferritin; <b>PDBTitle:</b> the first crystal structure of crustacean ferritin that is a hybrid2 type of h and l ferritin
25	<a href="#">d1ljda_</a>	Alignment	not modelled	5.4	23	<b>Fold:</b> Light-harvesting complex subunits <b>Superfamily:</b> Light-harvesting complex subunits <b>Family:</b> Light-harvesting complex subunits
26	<a href="#">c1g70B_</a>	Alignment	not modelled	5.3	60	<b>PDB header:</b> viral protein/rna <b>Chain:</b> B: <b>PDB Molecule:</b> rsg-1.2 peptide; <b>PDBTitle:</b> complex of hiv-1 rre-iiib rna with rsg-1.2 peptide
27	<a href="#">c3rnvA_</a>	Alignment	not modelled	5.3	38	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> helper component proteinase; <b>PDBTitle:</b> structure of the autocatalytic cysteine protease domain of potyvirus2 helper-component proteinase