
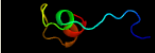
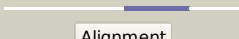
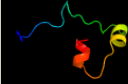
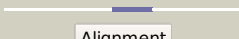
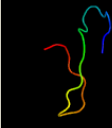

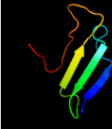
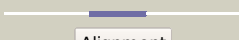
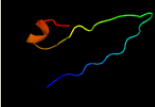

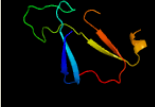



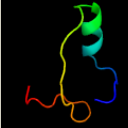

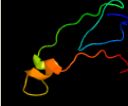



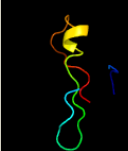

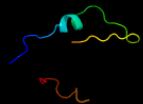

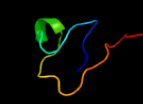


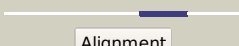

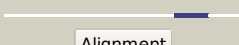

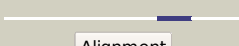


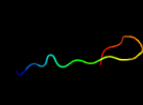


Phyre2

Email	mdejesus@rockefeller.edu
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Date	Fri Aug 2 13:30:50 BST 2019
Unique Job ID	dd9064848d9951e8

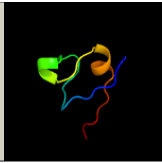
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2ciwa1	 Alignment		15.1	32	Fold: EF Hand-like Superfamily: Cloroperoxidase Family: Cloroperoxidase
2	c2yp1A	 Alignment		14.7	21	PDB header: oxidoreductase Chain: A: PDB Molecule: aromatic peroxygenase; PDBTitle: crystallization of a 45 kda peroxygenase- peroxidase from2 the mushroom agrocybe aegerita and structure determination3 by sad utilizing only the haem iron
3	d1mwpa	 Alignment		14.6	23	Fold: SRCR-like Superfamily: A heparin-binding domain Family: A heparin-binding domain
4	c5td8D	 Alignment		13.9	22	PDB header: replication Chain: D: PDB Molecule: kinetochore protein spc25; PDBTitle: crystal structure of an extended dwarf ndc80 complex
5	c2djmA	 Alignment		13.6	17	PDB header: sugar binding protein Chain: A: PDB Molecule: glucoamylase a; PDBTitle: solution structure of n-terminal starch-binding domain of2 glucoamylase from rhizopus oryzae
6	c3pkwA	 Alignment		12.1	20	PDB header: lyase Chain: A: PDB Molecule: toxoflavin lyase (tfla); PDBTitle: crystal structure of toxoflavin lyase (tfla) bound to mn(ii)
7	c5fujB	 Alignment		11.7	31	PDB header: oxidoreductase Chain: B: PDB Molecule: mrupo; PDBTitle: crystallization of a dimeric heme peroxygenase from the2 fungus marasmius rotula
8	d1sgva1	 Alignment		10.2	32	Fold: PUA domain-like Superfamily: PUA domain-like Family: PUA domain
9	d3brda1	 Alignment		10.2	27	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: NF-kappa-B/REL/DORSAL transcription factors, C-terminal domain
10	c3ktmB	 Alignment		9.5	23	PDB header: cell adhesion, signaling protein Chain: B: PDB Molecule: amyloid beta a4 protein; PDBTitle: structure of the heparin-induced e1-dimer of the amyloid precursor2 protein (app)
11	c5lc5q	 Alignment		8.9	22	PDB header: oxidoreductase Chain: Q: PDB Molecule: nadh dehydrogenase [ubiquinone] iron-sulfur protein 4, PDBTitle: structure of mammalian respiratory complex i, class2

12	c5wrgB_			7.9	28	PDB header: virus like particle Chain: B: PDB Molecule: spike glycoprotein; PDBTitle: sars-cov spike glycoprotein
13	c1en4C_			6.7	23	PDB header: oxidoreductase Chain: C: PDB Molecule: manganese superoxide dismutase; PDBTitle: crystal structure analysis of the e. coli manganese superoxide2 dismutase q146h mutant
14	c1qfnB_			6.6	35	PDB header: electron transport/oxidoreductase Chain: B: PDB Molecule: protein (ribonucleoside-diphosphate reductase 1); PDBTitle: glutaredoxin-1-ribonucleotide reductase b1 mixed disulfide2 bond
15	c2higA_			6.5	18	PDB header: transferase Chain: A: PDB Molecule: 6-phospho-1-fructokinase; PDBTitle: crystal structure of phosphofructokinase apoenzyme from trypanosoma2 brucei.
16	c5a4hA_			6.4	56	PDB header: transferase Chain: A: PDB Molecule: 1-acylglycerol-3-phosphate o-acyltransferase abhd5; PDBTitle: solution structure of the lipid droplet anchoring peptide2 of cgi-58 bound to dpc micelles
17	c2cj0A_			5.9	46	PDB header: oxidoreductase Chain: A: PDB Molecule: chloroperoxidase; PDBTitle: chloroperoxidase complexed with nitrate
18	c5aj3d_			5.8	13	PDB header: ribosome Chain: D: PDB Molecule: PDBTitle: structure of the small subunit of the mammalian mitoribosome

19 [d1ix9a2](#)

Alignment



5.3

24

Fold: Fe, Mn superoxide dismutase (SOD), C-terminal domain
Superfamily: Fe, Mn superoxide dismutase (SOD), C-terminal domain
Family: Fe, Mn superoxide dismutase (SOD), C-terminal domain