

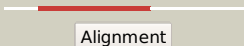

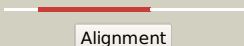



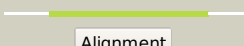

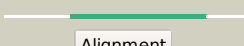

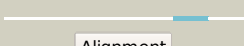











Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0051 (-)_55693_57375
Date	Tue Jul 23 14:50:08 BST 2019
Unique Job ID	a90288a83de0f0dd

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5f15A_	 Alignment		99.0	13	PDB header: transferase Chain: A: PDB Molecule: 4-amino-4-deoxy-l-arabinose (l-ara4n) transferase; PDBTitle: crystal structure of arnt from cupriavidus metallidurans bound to2 undecaprenyl phosphate
2	c6p25A_	 Alignment		98.0	14	PDB header: transferase Chain: A: PDB Molecule: dolichyl-phosphate-mannose--protein mannosyltransferase 1; PDBTitle: structure of s. cerevisiae protein o-mannosyltransferase pmt1-pmt22 complex bound to the sugar donor and a peptide acceptor
3	c6p2rB_	 Alignment		97.8	13	PDB header: transferase Chain: B: PDB Molecule: dolichyl-phosphate-mannose--protein mannosyltransferase 2; PDBTitle: structure of s. cerevisiae protein o-mannosyltransferase pmt1-pmt22 complex bound to the sugar donor
4	c3wajA_	 Alignment		97.2	15	PDB header: transferase Chain: A: PDB Molecule: transmembrane oligosaccharyl transferase; PDBTitle: crystal structure of the archaeoglobus fulgidus2 oligosaccharyltransferase (o29867_arcfu) complex with zn and sulfate
5	c6eznF_	 Alignment		65.3	12	PDB header: membrane protein Chain: F: PDB Molecule: dolichyl-diphosphooligosaccharide--protein PDBTitle: cryo-em structure of the yeast oligosaccharyltransferase (ost) complex
6	c3rceA_	 Alignment		49.3	13	PDB header: transferase/peptide Chain: A: PDB Molecule: oligosaccharide transferase to n-glycosylate proteins; PDBTitle: bacterial oligosaccharyltransferase pglb
7	c5zihA_	 Alignment		35.0	13	PDB header: membrane protein Chain: A: PDB Molecule: sensory opsin a,chrmsn; PDBTitle: crystal structure of the red light-activated channelrhodopsin2 chrmsn.
8	d1xioa_	 Alignment		20.9	9	Fold: Family A G protein-coupled receptor-like Superfamily: Family A G protein-coupled receptor-like Family: Bacteriorhodopsin-like
9	c1xioA_	 Alignment		20.9	9	PDB header: signaling protein Chain: A: PDB Molecule: anabaena sensory rhodopsin; PDBTitle: anabaena sensory rhodopsin
10	c3ug9A_	 Alignment		18.6	9	PDB header: membrane protein Chain: A: PDB Molecule: archaeal-type opsin 1, archaeal-type opsin 2; PDBTitle: crystal structure of the closed state of channelrhodopsin
11	c3dcdF_	 Alignment		9.5	56	PDB header: ligase/viral protein Chain: F: PDB Molecule: virion infectivity factor; PDBTitle: crystal structure of the hiv vif bc-box in complex with human elonginb2 and elonginc

12	c5v77B_	Alignment		8.6	30	PDB header: unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein from neisseria2 gonorrhoeae
13	c6et5b_	Alignment		7.9	24	PDB header: photosynthesis Chain: B: PDB Molecule: PDBTitle: reaction centre light harvesting complex 1 from blc. viridis
14	c3fnkA_	Alignment		6.8	29	PDB header: structural protein Chain: A: PDB Molecule: cellulosomal scaffoldin adaptor protein b; PDBTitle: crystal structure of the second type ii cohesin module from the2 cellulosomal adaptor scaa scaffoldin of acetivibrio cellulolyticus
15	c1mjeB_	Alignment		6.8	50	PDB header: gene regulation/antitumor protein/dna Chain: B: PDB Molecule: deleted in split hand/split foot protein 1; PDBTitle: structure of a brca2-dss1-ssdna complex
16	d1xrda1	Alignment		6.7	17	Fold: Light-harvesting complex subunits Superfamily: Light-harvesting complex subunits Family: Light-harvesting complex subunits
17	c1xrda_	Alignment		6.7	17	PDB header: membrane protein Chain: A: PDB Molecule: light-harvesting protein b-880, alpha chain; PDBTitle: light-harvesting complex 1 alfa subunit from wild-type2 rhodospirillum rubrum
18	d1nyca_	Alignment		6.6	33	Fold: Streptavidin-like Superfamily: beta-Barrel protease inhibitors Family: Staphostatin
19	c3zueB_	Alignment		6.4	24	PDB header: virus Chain: B: PDB Molecule: capsid structural protein vp60; PDBTitle: rabbit hemorrhagic disease virus (rhdv)capsid protein
20	c5gy6A_	Alignment		6.4	25	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease t1; PDBTitle: ribonuclease from hericium erinaceus (rnase he1)
21	c3wmmY_	Alignment	not modelled	6.2	26	PDB header: photosynthesis Chain: Y: PDB Molecule: lh1 alpha polypeptide; PDBTitle: crystal structure of the lh1-rc complex from thermochromatium tepidum2 in c2 form
22	c6hwhX_	Alignment	not modelled	6.2	15	PDB header: electron transport Chain: X: PDB Molecule: cytochrome c oxidase polypeptide 4; PDBTitle: structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis
23	c6adqP_	Alignment	not modelled	6.1	15	PDB header: electron transport Chain: P: PDB Molecule: prokaryotic respiratory supercomplex associate factor 1 PDBTitle: respiratory complex ciii2civ2sod2 from mycobacterium smegmatis
24	d1tska_	Alignment	not modelled	5.9	55	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Scorpion toxin-like Family: Short-chain scorpion toxins
25	c2m9lA_	Alignment	not modelled	5.5	80	PDB header: toxin Chain: A: PDB Molecule: beta-theraphotoxin-tp1a; PDBTitle: solution structure of protoxin-1
26	d1mxaa3	Alignment	not modelled	5.4	54	Fold: S-adenosylmethionine synthetase Superfamily: S-adenosylmethionine synthetase Family: S-adenosylmethionine synthetase
27	d1qm4a3	Alignment	not modelled	5.3	46	Fold: S-adenosylmethionine synthetase Superfamily: S-adenosylmethionine synthetase Family: S-adenosylmethionine synthetase
28	c5h4eA_	Alignment	not modelled	5.3	16	PDB header: hydrolase Chain: A: PDB Molecule: beta-1-3 glucanase; PDBTitle: crystal structure of a beta-1,3-glucanase domain (gh64) from2 clostridium beijerinckii