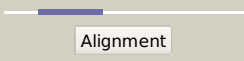
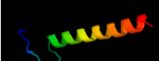
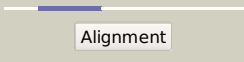

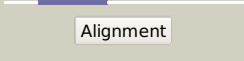

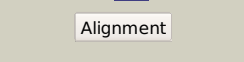

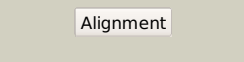

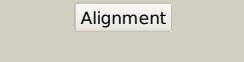

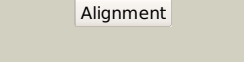
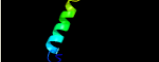
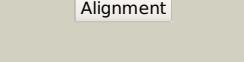

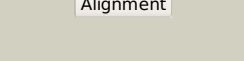

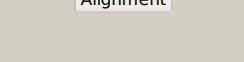

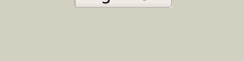







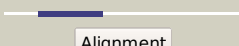

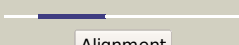



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1342c_(-)_1508190_1508552
Date	Wed Jul 31 22:05:44 BST 2019
Unique Job ID	04f0d962fa834630

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1pgja1	 Alignment		15.0	5	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: Hydroxyisobutyrate and 6-phosphogluconate dehydrogenase domain
2	d2pgda1	 Alignment		14.2	22	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: Hydroxyisobutyrate and 6-phosphogluconate dehydrogenase domain
3	c2p4qA_	 Alignment		12.1	25	PDB header: oxidoreductase Chain: A: PDB Molecule: 6-phosphogluconate dehydrogenase, decarboxylating 1; PDBTitle: crystal structure analysis of gnd1 in saccharomyces cerevisiae
4	c5zghL_	 Alignment		9.8	50	PDB header: photosynthesis Chain: L: PDB Molecule: psal; PDBTitle: cryo-em structure of the red algal psi-lhcr
5	c6ithA_	 Alignment		9.0	26	PDB header: membrane protein Chain: A: PDB Molecule: syndecan-2; PDBTitle: structure of the transmembrane domain of syndecan 2 in micelles
6	c6igzL_	 Alignment		8.5	40	PDB header: plant protein Chain: L: PDB Molecule: psal; PDBTitle: structure of psi-lhci
7	c5dn6P_	 Alignment		8.2	3	PDB header: hydrolase Chain: P: PDB Molecule: atp synthase f0 subcomplex c subunit; PDBTitle: atp synthase from paracoccus denitrificans
8	c6cfzG_	 Alignment		8.2	13	PDB header: nuclear protein Chain: G: PDB Molecule: hsk3; PDBTitle: structure of the dash/dam1 complex shows its role at the yeast2 kinetochore-microtubule interface
9	c1pgqA_	 Alignment		7.8	22	PDB header: oxidoreductase (choh(d)-nadp+(a)) Chain: A: PDB Molecule: 6-phosphogluconate dehydrogenase; PDBTitle: crystallographic study of coenzyme, coenzyme analogue and substrate2 binding in 6-phosphogluconate dehydrogenase: implications for nadp3 specificity and the enzyme mechanism
10	d1jb0L_	 Alignment		7.4	38	Fold: Photosystem I reaction center subunit XI, PsaL Superfamily: Photosystem I reaction center subunit XI, PsaL Family: Photosystem I reaction center subunit XI, PsaL
11	c2wpdP_	 Alignment		7.2	12	PDB header: hydrolase Chain: P: PDB Molecule: atp synthase subunit 9, mitochondrial; PDBTitle: the mg.adp inhibited state of the yeast f1c10 atp synthase

12	c1skhA_	 Alignment		7.0	27	PDB header: unknown function Chain: A: PDB Molecule: major prion protein 2; PDBTitle: n-terminal (1-30) of bovine prion protein
13	c1pgjA_	 Alignment		7.0	5	PDB header: oxidoreductase Chain: A: PDB Molecule: 6-phosphogluconate dehydrogenase; PDBTitle: x-ray structure of 6-phosphogluconate dehydrogenase from the protozoan2 parasite t. brucei
14	c2o01L_	 Alignment		6.9	43	PDB header: photosynthesis Chain: L: PDB Molecule: photosystem i reaction center subunit xi, chloroplast; PDBTitle: the structure of a plant photosystem i supercomplex at 3.4 angstrom2 resolution
15	c2x2vG_	 Alignment		5.9	12	PDB header: membrane protein Chain: G: PDB Molecule: atp synthase subunit c; PDBTitle: structural basis of a novel proton-coordination type in an2 f1fo-atp synthase rotor ring
16	c6fqzB_	 Alignment		5.5	18	PDB header: oxidoreductase Chain: B: PDB Molecule: 6-phosphogluconate dehydrogenase, decarboxylating; PDBTitle: plasmodium falciparum 6-phosphogluconate dehydrogenase in its apo2 form, in complex with its cofactor nadp+ and in complex with its3 substrate 6-phosphogluconate

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[c6ijfA_](#)

Alignment



5.4

12

PDB header: antitoxin
Chain: A: **PDB Molecule:** tai4;
PDB Title: crystal structure of the type vi effector-immunity complex (tae4-tai4)₂ from agrobacterium tumefaciens