

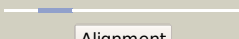

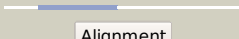
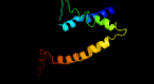
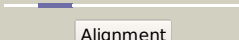

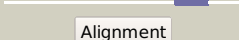
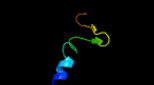


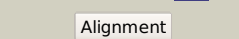

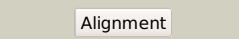
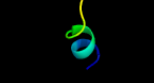
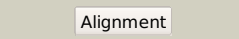


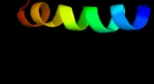



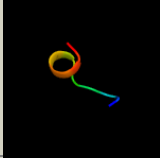
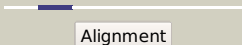


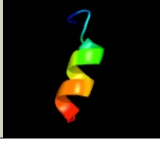


Phyre2

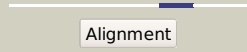
Email	mdejesus@rockefeller.edu
Description	RVBD3629c_(-)_4068136_4069233
Date	Fri Aug 9 18:20:31 BST 2019
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Detailed template information

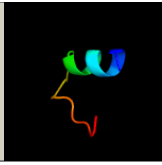
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1bhbA_	 Alignment		44.3	26	PDB header: photoreceptor Chain: A; PDB Molecule: bacteriorhodopsin; PDBTitle: three-dimensional structure of (1-71) bacterioopsin2 solubilized in methanol-chloroform and sds micelles3 determined by 15n-1h heteronuclear nmr spectroscopy
2	c5frgA_	 Alignment		22.8	23	PDB header: protein binding Chain: A; PDB Molecule: formin-binding protein 1-like; PDBTitle: the nmr structure of the cdc42-interacting region of toca1
3	c4ainB_	 Alignment		20.7	20	PDB header: membrane protein Chain: B; PDB Molecule: glycine betaine transporter betp; PDBTitle: crystal structure of betp with asymmetric protomers.
4	c2ke4A_	 Alignment		15.1	31	PDB header: membrane protein Chain: A; PDB Molecule: cdc42-interacting protein 4; PDBTitle: the nmr structure of the tc10 and cdc42 interacting domain2 of cip4
5	c2rifA_	 Alignment		12.2	35	PDB header: proton transport Chain: A; PDB Molecule: matrix protein 2; PDBTitle: proton channel m2 from influenza a in complex with2 inhibitor rimantadine
6	c4ribA_	 Alignment		11.2	24	PDB header: hydrolase/dna Chain: A; PDB Molecule: fanconi-associated nuclease 1; PDBTitle: fan1 nuclease bound to 5' phosphorylated p(dt) single flap dna
7	c5cwsF_	 Alignment		9.6	25	PDB header: protein transport Chain: F; PDB Molecule: nucleoporin nic96; PDBTitle: crystal structure of the intact chaetomium thermophilum nsp1-nup49-2 nup57 channel nucleoporin heterotrimer bound to its nic96 nuclear3 pore complex attachment site
8	c5cwsL_	 Alignment		9.6	25	PDB header: protein transport Chain: L; PDB Molecule: nucleoporin nic96; PDBTitle: crystal structure of the intact chaetomium thermophilum nsp1-nup49-2 nup57 channel nucleoporin heterotrimer bound to its nic96 nuclear3 pore complex attachment site
9	c3pcqX_	 Alignment		7.8	41	PDB header: photosynthesis Chain: X; PDB Molecule: photosystem i 4.8k protein; PDBTitle: femtosecond x-ray protein nanocrystallography
10	c6hu9g_	 Alignment		5.9	14	PDB header: oxidoreductase/electron transport Chain: G; PDB Molecule: cytochrome b-c1 complex subunit 7; PDBTitle: iii2-iv2 mitochondrial respiratory supercomplex from s. cerevisiae
11	c6hu9s_	 Alignment		5.9	14	PDB header: oxidoreductase/electron transport Chain: S; PDB Molecule: cytochrome b-c1 complex subunit 8; PDBTitle: iii2-iv2 mitochondrial respiratory supercomplex from s. cerevisiae

12	c2odbB_	 Alignment		5.7	30	<p>PDB header:protein binding Chain: B: PDB Molecule:serine/threonine-protein kinase pak 6; PDBTitle: the crystal structure of human cdc42 in complex with the crib domain2 of human p21-activated kinase 6 (pak6)</p>
13	c4mitE_	 Alignment		5.3	21	<p>PDB header:signaling protein Chain: E: PDB Molecule:serine/threonine protein kinase pak, putative; PDBTitle: crystal structure of e. histolytica racc bound to the ehpk4 pbd</p>
14	c4mitG_	 Alignment		5.3	21	<p>PDB header:signaling protein Chain: G: PDB Molecule:serine/threonine protein kinase pak, putative; PDBTitle: crystal structure of e. histolytica racc bound to the ehpk4 pbd</p>

15 [d1y82a1](#)



Alignment



5.1

32

Fold:PIN domain-like
Superfamily:PIN domain-like
Family:PIN domain