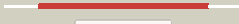



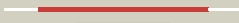





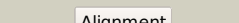

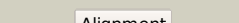






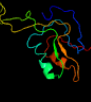




Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0708_(rplP)_805113_805529
Date	Fri Jul 26 01:50:28 BST 2019
Unique Job ID	66331faf7b354197

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5o60N_	 Alignment		100.0	93	PDB header: ribosome Chain: N; PDB Molecule: 50s ribosomal protein l16; PDBTitle: structure of the 50s large ribosomal subunit from mycobacterium2 smegmatis
2	c4wcej_	 Alignment		100.0	57	PDB header: ribosome Chain: J; PDB Molecule: 50s ribosomal protein l16; PDBTitle: the crystal structure of the large ribosomal subunit of staphylococcus2 aureus
3	c3bboO_	 Alignment		100.0	53	PDB header: ribosome Chain: O; PDB Molecule: ribosomal protein l16; PDBTitle: homology model for the spinach chloroplast 50s subunit fitted to 9.4a2 cryo-em map of the 70s chlororibosome
4	d2j01q1	 Alignment		100.0	55	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L16p
5	c1vw4K_	 Alignment		100.0	31	PDB header: ribosome Chain: K; PDB Molecule: 54s ribosomal protein l16, mitochondrial; PDBTitle: structure of the yeast mitochondrial large ribosomal subunit
6	d2zjrj1	 Alignment		100.0	53	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L16p
7	d2gyck1	 Alignment		100.0	48	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L16p
8	c4ce4Q_	 Alignment		100.0	31	PDB header: ribosome Chain: Q; PDB Molecule: mrpl16; PDBTitle: 39s large subunit of the porcine mitochondrial ribosome
9	c4v19Q_	 Alignment		100.0	32	PDB header: ribosome Chain: Q; PDB Molecule: mitoribosomal protein ul16m, mrpl16; PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 12 of 2
10	c2ftcl_	 Alignment		100.0	33	PDB header: ribosome Chain: I; PDB Molecule: mitochondrial ribosomal protein l16; PDBTitle: structural model for the large subunit of the mammalian mitochondrial2 ribosome
11	c2zkrh_	 Alignment		100.0	23	PDB header: ribosomal protein/rna Chain: H; PDB Molecule: rna expansion segment es12; PDBTitle: structure of a mammalian ribosomal 60s subunit within an 80s complex2 obtained by docking homology models of the rna and proteins into an3 8.7 a cryo-em map

12	c3j21N_	Alignment		100.0	21	PDB header: ribosome Chain: N: PDB Molecule: 50s ribosomal protein l10e; PDBTitle: promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (50s3 ribosomal proteins)
13	d1jj2h_	Alignment		100.0	19	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L10e
14	d1ffkf_	Alignment		100.0	17	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L10e
15	d1vqoh1	Alignment		100.0	20	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L10e
16	c1s1il_	Alignment		100.0	22	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein l10; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from yeast2 obtained by docking atomic models for rna and protein components into3 a 11.7 a cryo-em map. this file, 1s1i, contains 60s subunit. the 40s4 ribosomal subunit is in file 1s1h.
17	c4a1aH_	Alignment		100.0	27	PDB header: ribosome Chain: H: PDB Molecule: 60s ribosomal protein l10; PDBTitle: t.thermophila 60s ribosomal subunit in complex with2 initiation factor 6. this file contains 5s rrna,3 5.8s rrna and proteins of molecule 3.
18	c4b6aI_	Alignment		100.0	22	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein l10; PDBTitle: cryo-em structure of the 60s ribosomal subunit in complex2 with arx1 and rei1
19	c3iz5I_	Alignment		100.0	30	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein l10 (l10e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
20	c3izcI_	Alignment		99.9	26	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein rpl10 (l10e); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
21	c3zf7K_	Alignment	not modelled	99.9	26	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein l10, putative; PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
22	c3j39I_	Alignment	not modelled	99.9	22	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein l10; PDBTitle: structure of the d. melanogaster 60s ribosomal proteins
23	d2pa2a1	Alignment	not modelled	99.8	28	Fold: alpha/beta-Hammerhead Superfamily: Ribosomal protein L16p/L10e Family: Ribosomal protein L10e
24	d2f0aa1	Alignment	not modelled	53.0	18	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
25	c2q9vA_	Alignment	not modelled	50.3	6	PDB header: transferase Chain: A: PDB Molecule: membrane-associated guanylate kinase, ww and pdz domain- PDBTitle: crystal structure of the c890s mutant of the 4th pdz domain of human2 membrane associated guanylate kinase
26	c2lobA_	Alignment	not modelled	47.9	13	PDB header: peptide binding protein Chain: A: PDB Molecule: golgi-associated pdz and coiled-coil motif-containing PDBTitle: pdz domain of cal (cystic fibrosis transmembrane regulator-associated2 ligand)
27	d1x45a1	Alignment	not modelled	42.7	11	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
28	c1x45A_	Alignment	not modelled	36.2	11	PDB header: endocytosis/exocytosis Chain: A: PDB Molecule: amyloid beta (a4) precursor protein-binding, PDBTitle: solution structure of the first pdz domain of amyloid beta2 a4 precursor protein-binding family a, member 1

29	d1v6ba_	Alignment	not modelled	32.8	17	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
30	d1i16a_	Alignment	not modelled	32.6	17	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: Interleukin 16
31	d1rzxa_	Alignment	not modelled	31.9	9	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
32	c2i04B_	Alignment	not modelled	31.5	7	PDB header: peptide binding protein Chain: B: PDB Molecule: membrane-associated guanylate kinase, ww and pdz PDBTitle: x-ray crystal structure of magi-1 pdz1 bound to the c-2 terminal peptide of hpv18 e6
33	c2ogpA_	Alignment	not modelled	30.4	14	PDB header: signaling protein Chain: A: PDB Molecule: partitioning-defective 3 homolog; PDBTitle: solution structure of the second pdz domain of par-3
34	c6irdC_	Alignment	not modelled	29.8	9	PDB header: hydrolase/protein binding Chain: C: PDB Molecule: inad-like protein; PDBTitle: complex structure of inad pdz89 and plcb4 c-terminal cc-pbm
35	c2yt7A_	Alignment	not modelled	29.5	15	PDB header: protein transport Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family PDBTitle: solution structure of the pdz domain of amyloid beta a42 precursor protein-binding family a member 3
36	d1uepa_	Alignment	not modelled	29.5	8	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
37	c2komA_	Alignment	not modelled	29.4	12	PDB header: signaling protein Chain: A: PDB Molecule: partitioning defective 3 homolog; PDBTitle: solution structure of humar par-3b pdz2 (residues 451-549)
38	c1z87A_	Alignment	not modelled	29.4	14	PDB header: protein binding Chain: A: PDB Molecule: alpha-1-syntrophin; PDBTitle: solution structure of the split ph-pdz supramodule of alpha-2 syntrophin
39	c5oakA_	Alignment	not modelled	29.0	18	PDB header: protein binding Chain: A: PDB Molecule: bazooka, isoform c,ld29223p; PDBTitle: structure of the dmpar3 pdz1 domain in complex with the dmpar6 pbm
40	d1kwa_	Alignment	not modelled	26.7	14	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
41	c3cyyA_	Alignment	not modelled	26.2	18	PDB header: peptide binding protein Chain: A: PDB Molecule: tight junction protein zo-1; PDBTitle: the crystal structure of zo-1 pdz2 in complex with the cx43 peptide
42	d1ry4a_	Alignment	not modelled	25.3	9	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
43	c1u38A_	Alignment	not modelled	25.2	11	PDB header: protein transport Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding, PDBTitle: auto-inhibition mechanism of x11s/mints family scaffold2 proteins revealed by the closed conformation of the tandem3 pdz domains
44	d2byga1	Alignment	not modelled	24.6	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
45	d1ihja_	Alignment	not modelled	24.5	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
46	d1wf8a1	Alignment	not modelled	23.7	13	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
47	d1wi4a1	Alignment	not modelled	23.5	21	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
48	c5wouA_	Alignment	not modelled	23.4	16	PDB header: cell adhesion Chain: A: PDB Molecule: protein lap4; PDBTitle: crystal structure of drosophila melanogaster scribble pdz1 domain in2 complex with guk-holder
49	c1p1eA_	Alignment	not modelled	22.9	13	PDB header: protein binding Chain: A: PDB Molecule: glutamate receptor interacting protein; PDBTitle: structural insights into the inter-domain chaperoning of2 tandem pdz domains in glutamate receptor interacting3 proteins
50	d1vq3a_	Alignment	not modelled	22.8	21	Fold: PurS-like Superfamily: PurS-like Family: PurS subunit of FGAM synthetase
51	d1nf3c_	Alignment	not modelled	22.6	10	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
52	d1vb7a_	Alignment	not modelled	22.6	12	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
53	d1ozia_	Alignment	not modelled	22.4	7	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
54	c2ehrA_	Alignment	not modelled	21.7	21	PDB header: structural protein Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the sixth pdz domain of human inad-2 like protein PDB header: structural protein/peptide

55	c4wyuA	Alignment	not modelled	21.7	18	Chain: A: PDB Molecule: protein scribble homolog; PDBTitle: crystal structure of scribble pdz34 tandem in complex with its target2 peptide
56	d1gtda	Alignment	not modelled	21.5	10	Fold: PurS-like Superfamily: PurS-like Family: PurS subunit of FGAM synthetase
57	c2fneB	Alignment	not modelled	21.4	14	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: multiple pdz domain protein; PDBTitle: the crystal structure of the 13th pdz domain of mpdz
58	c2jreA	Alignment	not modelled	21.0	12	PDB header: de novo protein Chain: A: PDB Molecule: c60-1 pdz domain peptide; PDBTitle: c60-1, a pdz domain designed using statistical coupling2 analysis
59	c2gzvA	Alignment	not modelled	21.0	9	PDB header: signaling protein Chain: A: PDB Molecule: prkca-binding protein; PDBTitle: the crystal structure of the pdz domain of human pick1
60	d1p1da2	Alignment	not modelled	21.0	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
61	c2dmzA	Alignment	not modelled	20.9	9	PDB header: protein binding Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the third pdz domain of human inad-2 like protein
62	c5gliB	Alignment	not modelled	20.5	23	PDB header: hydrolase Chain: B: PDB Molecule: tyrosine-protein phosphatase non-receptor type 13; PDBTitle: crystal structure of pdz1 domain of human protein tyrosine phosphatase2 ptp-bas
63	c3b76A	Alignment	not modelled	20.3	19	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase Inx; PDBTitle: crystal structure of the third pdz domain of human ligand-of-numb2 protein-x (Inx1) in complex with the c-terminal peptide from the3 coxsackievirus and adenovirus receptor
64	d1wg6a	Alignment	not modelled	20.3	10	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
65	d1qava	Alignment	not modelled	20.3	12	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
66	c2xkxB	Alignment	not modelled	19.8	14	PDB header: structural protein Chain: B: PDB Molecule: disks large homolog 4; PDBTitle: single particle analysis of psd-95 in negative stain
67	c2dc2A	Alignment	not modelled	19.6	11	PDB header: structural protein Chain: A: PDB Molecule: golgi associated pdz and coiled-coil motif PDBTitle: solution structure of pdz domain
68	d2fcfa1	Alignment	not modelled	19.5	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
69	c2iwqA	Alignment	not modelled	18.9	20	PDB header: signaling protein Chain: A: PDB Molecule: multiple pdz domain protein; PDBTitle: 7th pdz domain of multiple pdz domain protein mpdz
70	c2osgB	Alignment	not modelled	18.8	14	PDB header: cell adhesion Chain: B: PDB Molecule: tight junction protein zo-2; PDBTitle: solution structure and binding property of the domain-2 swapped dimer of zo2pdz2
71	c3vqgA	Alignment	not modelled	18.6	5	PDB header: peptide binding protein Chain: A: PDB Molecule: e3 ubiquitin-protein ligase Inx; PDBTitle: crystal structure analysis of the pdz domain derived from the tight2 junction regulating protein
72	d1p1da1	Alignment	not modelled	18.3	13	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
73	c1u37A	Alignment	not modelled	18.3	11	PDB header: protein transport Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding. PDBTitle: auto-inhibition mechanism of x11s/mints family scaffold2 proteins revealed by the closed conformation of the tandem3 pdz domains
74	c3l4fD	Alignment	not modelled	18.1	19	PDB header: signaling protein/protein binding Chain: D: PDB Molecule: sh3 and multiple ankyrin repeat domains protein 1; PDBTitle: crystal structure of betapix coiled-coil domain and shank pdz complex
75	d1wjja	Alignment	not modelled	18.1	12	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
76	d1rgwa	Alignment	not modelled	18.1	12	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
77	d1uewa	Alignment	not modelled	17.9	17	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
78	d2cssa1	Alignment	not modelled	17.7	11	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
79	c2k1zA	Alignment	not modelled	17.6	13	PDB header: signaling protein Chain: A: PDB Molecule: partitioning-defective 3 homolog; PDBTitle: solution structure of par-3 pdz3
80	d1wkca	Alignment	not modelled	17.4	24	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: Methenyltetrahydrofolate synthetase PDB header: signaling protein

81	c2iwnA_	Alignment	not modelled	17.4	9	Chain: A; PDB Molecule: multiple pdz domain protein; PDBTitle: 3rd pdz domain of multiple pdz domain protein mpdz (casp2 target)
82	d1whaa_	Alignment	not modelled	17.1	14	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
83	c2edpA_	Alignment	not modelled	16.9	16	PDB header: structural protein Chain: A; PDB Molecule: shroom family member 4; PDBTitle: solution structure of the pdz domain from human shroom2 family member 4
84	d1wfvA_	Alignment	not modelled	16.9	9	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
85	d1qlca_	Alignment	not modelled	16.9	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
86	c5zdsA_	Alignment	not modelled	16.8	14	PDB header: signaling protein Chain: A; PDB Molecule: ferm and pdz domain-containing 2; PDBTitle: crystal structure of the second pdz domain of frmpd2
87	c3eggC_	Alignment	not modelled	16.6	16	PDB header: hydrolase Chain: C; PDB Molecule: spinophilin; PDBTitle: crystal structure of a complex between protein phosphatase 1 alpha2 (pp1) and the pp1 binding and pdz domains of spinophilin
88	c2jcbA_	Alignment	not modelled	16.3	33	PDB header: ligase Chain: A; PDB Molecule: 5-formyltetrahydrofolate cyclo-ligase family protein; PDBTitle: the crystal structure of 5-formyl-tetrahydrofolate2 cycloligase from bacillus anthracis (ba4489)
89	c2enoA_	Alignment	not modelled	16.1	7	PDB header: endocytosis Chain: A; PDB Molecule: synaptojanin-2-binding protein; PDBTitle: solution structure of the pdz domain from human2 synaptojanin 2 binding protein
90	c2vwrA_	Alignment	not modelled	16.1	7	PDB header: protein binding Chain: A; PDB Molecule: ligand of numb protein x 2; PDBTitle: crystal structure of the second pdz domain of numb-binding protein 2
91	d1uhpa_	Alignment	not modelled	16.0	12	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
92	c2edvA_	Alignment	not modelled	15.5	19	PDB header: protein binding Chain: A; PDB Molecule: ferm and pdz domain-containing protein 1; PDBTitle: solution structure of the pdz domain from human ferm and2 pdz domain containing 1
93	c2jikB_	Alignment	not modelled	15.4	7	PDB header: membrane protein Chain: B; PDB Molecule: synaptojanin-2 binding protein; PDBTitle: crystal structure of pdz domain of synaptojanin-2 binding2 protein
94	c3hpmA_	Alignment	not modelled	15.1	9	PDB header: protein binding Chain: A; PDB Molecule: prkca-binding protein,9-mer peptide of the glur2 subunit; PDBTitle: oxidized dimeric pick1 pdz c46g mutant in complex with the carboxyl2 tail peptide of glur2
95	d1qpoa2	Alignment	not modelled	15.0	36	Fold: alpha/beta-Hammerhead Superfamily: Nicotinate/Quinolinate PRTase N-terminal domain-like Family: NadC N-terminal domain-like
96	c2dkrA_	Alignment	not modelled	15.0	18	PDB header: protein transport Chain: A; PDB Molecule: lin-7 homolog b; PDBTitle: solution structure of the pdz domain from human lin-72 homolog b
97	c2p3wB_	Alignment	not modelled	15.0	5	PDB header: protein binding Chain: B; PDB Molecule: probable serine protease htra3; PDBTitle: crystal structure of the htra3 pdz domain bound to a phage-derived2 ligand (fgrwv)
98	d1um7a_	Alignment	not modelled	15.0	26	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
99	d2fnea1	Alignment	not modelled	14.8	14	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain