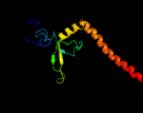
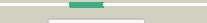
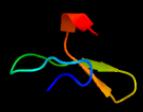
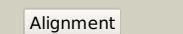
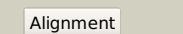
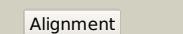
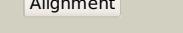
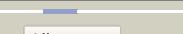


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD2802c_(-)_3110790_3111833
Date	Wed Aug 7 12:50:46 BST 2019
Unique Job ID	b38a1bfe73f80894

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2owaB_			69.5	26	PDB header: protein transport Chain: B: PDB Molecule: arfgap-like finger domain containing protein; PDBTitle: crystal structure of putative gtpase activating protein for adp ribosylation factor from cryptosporidium parvum3 (cgd5_1040)
2	c6ro4G_			69.1	14	PDB header: translocase Chain: G: PDB Molecule: dna repair protein complementing xp-a cells; PDBTitle: structure of the core tfilh-xpa-dna complex
3	d2cuqa1			53.8	30	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: LIM domain
4	d1dcqa2			49.0	16	Fold: ArfGap/RecO-like zinc finger Superfamily: ArfGap/RecO-like zinc finger Family: Pyk2-associated protein beta ARF-GAP domain
5	c3d00A_			49.0	27	PDB header: metal binding protein Chain: A: PDB Molecule: tungsten formylmethanofuran dehydrogenase subunit e; PDBTitle: crystal structure of a tungsten formylmethanofuran dehydrogenase2 subunit e (fmde)-like protein (syn_00638) from syntrophus3 aciditrophicus at 1.90 a resolution
6	c2b0oF_			48.8	24	PDB header: metal binding protein Chain: F: PDB Molecule: uplc1; PDBTitle: crystal structure of uplc1 gap domain
7	c1nuiA_			47.8	25	PDB header: replication Chain: A: PDB Molecule: dna primase/helicase; PDBTitle: crystal structure of the primase fragment of bacteriophage t7 primase-2 helicase protein
8	c5gjqZ_			41.6	29	PDB header: hydrolase Chain: Z: PDB Molecule: 26s proteasome non-atpase regulatory subunit 2; PDBTitle: structure of the human 26s proteasome bound to usp14-ubal
9	c1x68A_			41.5	20	PDB header: protein binding Chain: A: PDB Molecule: fhl5 protein; PDBTitle: solution structures of the c-terminal lim domain of human2 fhl5 protein
10	c3lvrE_			36.8	23	PDB header: protein transport Chain: E: PDB Molecule: arf-gap with sh3 domain, ank repeat and ph domain- PDBTitle: the crystal structure of asap3 in complex with arf6 in transition2 state soaked with calcium
11	c1dcqA_			36.0	17	PDB header: metal binding protein Chain: A: PDB Molecule: pyk2-associated protein beta; PDBTitle: crystal structure of the arf-gap domain and ankyrin repeats of2 papbeta.

12	d1u5ka2			36.0	28	Fold: ArfGap/RecO-like zinc finger Superfamily: ArfGap/RecO-like zinc finger Family: RecO C-terminal domain-like
13	c3fehA_			34.0	30	PDB header: hydrolase activator Chain: A: PDB Molecule: centaurin-alpha-1; PDBTitle: crystal structure of full length centaurin alpha-1
14	c1u5kA_			32.9	29	PDB header: recombination,replication Chain: A: PDB Molecule: hypothetical protein; PDBTitle: recombinational repair protein reco
15	c6mifA_			32.7	25	PDB header: signaling protein Chain: A: PDB Molecule: lim and senescent cell antigen-like-containing domain PDBTitle: lim5 domain of pinch1 protein
16	c1v6gA_			32.7	29	PDB header: metal binding protein Chain: A: PDB Molecule: actin binding lim protein 2; PDBTitle: solution structure of the lim domain of the human actin2 binding lim protein 2
17	c4gndC_			32.2	26	PDB header: transferase Chain: C: PDB Molecule: histone-lysine n-methyltransferase nsd3; PDBTitle: crystal structure of nsd3 tandem phd5-c5hch domains
18	c2dloA_			31.5	17	PDB header: cell adhesion Chain: A: PDB Molecule: thyroid receptor-interacting protein 6; PDBTitle: solution structure of the second lim domain of human2 thyroid receptor-interacting protein 6
19	d2g45a1			29.9	29	Fold: RING/U-box Superfamily: RING/U-box Family: Zf-UBP
20	c3o47A_			29.3	22	PDB header: hydrolase, hydrolase activator Chain: A: PDB Molecule: adp-ribosylation factor gtpase-activating protein 1, adp- PDBTitle: crystal structure of arfgap1-arf1 fusion protein
21	c2iqjB_		not modelled	28.5	26	PDB header: protein transport Chain: B: PDB Molecule: stromal membrane-associated protein 1-like; PDBTitle: crystal structure of the gap domain of smap1l (loc64744) stromal2 membrane-associated protein 1-like
22	c1x64A_		not modelled	28.2	24	PDB header: contractile protein Chain: A: PDB Molecule: alpha-actinin-2 associated lim protein; PDBTitle: solution structure of the lim domain of alpha-actinin-22 associated lim protein
23	c2mbvA_		not modelled	27.1	19	PDB header: transcription Chain: A: PDB Molecule: fusion protein of lim domain transcription factor lmo4 (77- PDBTitle: lmo4-lim2 in complex with deaf1 (404-418)
24	c5us5B_		not modelled	27.1	17	PDB header: structural genomics Chain: B: PDB Molecule: upf0297 protein ef_1202; PDBTitle: solution structure of the ireb homodimer
25	c1nypA_		not modelled	27.0	21	PDB header: cell adhesion Chain: A: PDB Molecule: pinch protein; PDBTitle: 4th lim domain of pinch protein
26	c2darA_		not modelled	26.7	25	PDB header: metal binding protein Chain: A: PDB Molecule: pdz and lim domain protein 5; PDBTitle: solution structure of first lim domain of enigma-like pdz2 and lim domains protein
27	c5w54A_		not modelled	26.0	42	PDB header: cytokine Chain: A: PDB Molecule: stress response peptide-2; PDBTitle: cytokine-like stress response peptide-2 in manduca sexta
28	c2curA_		not modelled	25.7	25	PDB header: metal binding protein Chain: A: PDB Molecule: skeletal muscle lim-protein 1; PDBTitle: solution structure of skeletal muscle lim-protein 1

29	c2eheA		Alignment	not modelled	25.6	29	PDB header: structural protein Chain: A: PDB Molecule: four and a half lim domains 3; PDBTitle: solution structure of the first lim domain from human four2 and a half lim domains protein 3
30	c2p57A		Alignment	not modelled	25.3	26	PDB header: metal binding protein Chain: A: PDB Molecule: gtpase-activating protein znf289; PDBTitle: gap domain of znf289, an id1-regulated zinc finger protein
31	d1o26a		Alignment	not modelled	25.3	37	Fold: Thymidylate synthase-complementing protein Thy1 Superfamily: Thymidylate synthase-complementing protein Thy1 Family: Thymidylate synthase-complementing protein Thy1
32	d1nuia2		Alignment	not modelled	25.3	29	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: DNA primase zinc finger
33	d1mhxa		Alignment	not modelled	25.1	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
34	d1wgla		Alignment	not modelled	24.9	26	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: CUE domain
35	c2gviA		Alignment	not modelled	24.7	25	PDB header: oxidoreductase Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: crystal structure of a putative formylmethanofuran dehydrogenase2 subunit e (ta1109) from thermoplasma acidophilum at 1.87 a resolution
36	d2a1ja1		Alignment	not modelled	24.6	12	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like
37	d1mi0a		Alignment	not modelled	24.4	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
38	c2cuqA		Alignment	not modelled	24.3	29	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: four and a half lim domains 3; PDBTitle: solution structure of second lim domain from human skeletal2 muscle lim-protein 2
39	c6j61B		Alignment	not modelled	24.1	53	PDB header: transferase Chain: B: PDB Molecule: flavin-dependent thymidylate synthase; PDBTitle: crystal structure of thymidylate synthase, thy1, from thermus2 thermophilus having an extra c terminal domain
40	d1fd6a		Alignment	not modelled	24.0	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
41	c3dwdB		Alignment	not modelled	24.0	22	PDB header: transport protein Chain: B: PDB Molecule: adp-ribosylation factor gtpase-activating protein 1; PDBTitle: crystal structure of the arfgap domain of human argap1
42	c1x6aA		Alignment	not modelled	24.0	25	PDB header: protein binding Chain: A: PDB Molecule: lim domain kinase 2; PDBTitle: solution structures of the second lim domain of human lim-2 kinase 2 (limk2)
43	c2dhyA		Alignment	not modelled	23.9	24	PDB header: immune system Chain: A: PDB Molecule: cue domain-containing protein 1; PDBTitle: solution structure of the cue domain in the human cue2 domain containing protein 1 (cuedc1)
44	d1gb4a		Alignment	not modelled	23.7	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
45	c1x4IA		Alignment	not modelled	23.0	33	PDB header: metal binding protein Chain: A: PDB Molecule: skeletal muscle lim-protein 3; PDBTitle: solution structure of lim domain in four and a half lim2 domains protein 2
46	c3jueA		Alignment	not modelled	22.9	20	PDB header: protein transport/endocytosis Chain: A: PDB Molecule: arfgap with coiled-coil, ank repeat and ph-domain- PDBTitle: crystal structure of arfgap and ank repeat domain of acap1
47	d1pgaa		Alignment	not modelled	22.8	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
48	d1pgxa		Alignment	not modelled	22.6	28	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
49	c2d9IA		Alignment	not modelled	22.6	19	PDB header: gene regulation Chain: A: PDB Molecule: nucleoporin-like protein rip; PDBTitle: solution structure of the arfgap domain of human rip
50	d1p7ea		Alignment	not modelled	22.6	28	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
51	c2d8xA		Alignment	not modelled	22.5	21	PDB header: structural protein, cell cycle Chain: A: PDB Molecule: protein pinch; PDBTitle: solution structure of the second lim domain of particularly2 interesting new cys-his protein (pinch)
52	d1em7a		Alignment	not modelled	22.4	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
53	c2kngA		Alignment	not modelled	22.0	53	PDB header: dna binding protein Chain: A: PDB Molecule: protein lsr2; PDBTitle: solution structure of c-domain of lsr2
54	d1qkza		Alignment	not modelled	21.5	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
							PDB header: protein binding Chain: X: PDB Molecule: fusion protein of lmo4 protein and lim

55	c1rutX	Alignment	not modelled	21.1	19	domain-binding PDB Title: complex of lmo4 lim domains 1 and 2 with the ldb1 lid domain
56	c2gajA	Alignment	not modelled	20.6	19	PDB header: isomerase Chain: A: PDB Molecule: dna topoisomerase i; PDB Title: structure of full length topoisomerase i from thermotoga maritima in2 monoclinic crystal form
57	c3f6qB	Alignment	not modelled	20.4	21	PDB header: signaling protein/signaling protein Chain: B: PDB Molecule: lim and senescent cell antigen-like-containing PDB Title: crystal structure of integrin-linked kinase ankyrin repeat2 domain in complex with pinch1 lim1 domain
58	d1fcfa	Alignment	not modelled	20.2	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
59	c1x3hA	Alignment	not modelled	19.9	29	PDB header: metal binding protein Chain: A: PDB Molecule: leupaxin; PDB Title: solution structure of the lim domain of human leupaxin
60	c4gqlA	Alignment	not modelled	19.8	21	PDB header: oxidoreductase Chain: A: PDB Molecule: acireductone dioxygenase; PDB Title: acireductone dioxygenase from bacillus anthracis with three cadmium2 ions
61	c3t9kA	Alignment	not modelled	19.7	20	PDB header: protein transport Chain: A: PDB Molecule: arf-gap with coiled-coil, ank repeat and ph domain- PDB Title: crystal structure of acap1 c-porton mutant s554d fused with integrin2 beta1 peptide
62	c6gvwF	Alignment	not modelled	19.5	20	PDB header: signaling protein Chain: F: PDB Molecule: brca1-a complex subunit abraxas 1; PDB Title: crystal structure of the brca1-a complex
63	c2l3ka	Alignment	not modelled	19.4	29	PDB header: oncoprotein Chain: A: PDB Molecule: rhombotin-2, linker, lim domain-binding protein 1; PDB Title: solution structure of lmo2(lim2)-ldb1(lid)
64	c3k7aM	Alignment	not modelled	19.1	17	PDB header: transcription Chain: M: PDB Molecule: transcription initiation factor iib; PDB Title: crystal structure of an rna polymerase ii-tfiib complex
65	c2co8A	Alignment	not modelled	19.1	23	PDB header: metal binding protein Chain: A: PDB Molecule: nedd9 interacting protein with calponin homology PDB Title: solution structures of the lim domain of human nedd92 interacting protein with calponin homology and lim domains
66	c2crrA	Alignment	not modelled	18.9	28	PDB header: protein transport Chain: A: PDB Molecule: stromal membrane-associated protein smap1b; PDB Title: solution structure of arfgap domain from human smap1
67	c2xjyA	Alignment	not modelled	18.9	29	PDB header: oncoprotein Chain: A: PDB Molecule: rhombotin-2; PDB Title: crystal structure of the lmo2:ldb1-lid complex, p21 crystal2 form
68	c2jtnA	Alignment	not modelled	18.8	21	PDB header: protein binding/transcription Chain: A: PDB Molecule: lim domain-binding protein 1, lim/homeobox PDB Title: nmr solution structure of a ldb1-lid:lhx3-lim complex
69	c1x63A	Alignment	not modelled	18.8	21	PDB header: contractile protein Chain: A: PDB Molecule: skeletal muscle lim-protein 1; PDB Title: solution structure of the second lim domain of skeletal2 muscle lim protein 1
70	c2ypdB	Alignment	not modelled	18.7	50	PDB header: oxidoreductase Chain: B: PDB Molecule: probable jmjc domain-containing histone demethylation prot PDB Title: crystal structure of the jumonji domain of human jumonji domain2 containing 1c protein
71	c2crwA	Alignment	not modelled	18.4	26	PDB header: signaling protein Chain: A: PDB Molecule: adp-ribosylation factor gtpase-activating PDB Title: solution structure of the arfgap domain of adp-ribosylation2 factor gtpaseactivating protein 3 (arfgap 3)
72	c1x61A	Alignment	not modelled	17.8	21	PDB header: cell adhesion Chain: A: PDB Molecule: thyroid receptor interacting protein 6; PDB Title: solution structure of the first lim domain of thyroid2 receptor interacting protein 6 (trip6)
73	c2nhaA	Alignment	not modelled	17.7	28	PDB header: transcription Chain: A: PDB Molecule: histone-lysine n-methyltransferase, h3 lysine-36 and h4 PDB Title: nsd1-phd 5-c5hch tandem domain structure
74	c2d8za	Alignment	not modelled	17.5	33	PDB header: signaling protein, structural protein Chain: A: PDB Molecule: four and a half lim domains 2; PDB Title: solution structure of the third lim domain of four and a2 half lim domains protein 2 (fhl-2)
75	c2k8dA	Alignment	not modelled	17.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: peptide methionine sulfoxide reductase msrb; PDB Title: solution structure of a zinc-binding methionine sulfoxide reductase
76	c1wyhA	Alignment	not modelled	16.8	17	PDB header: metal binding protein Chain: A: PDB Molecule: skeletal muscle lim-protein 2; PDB Title: solution structure of the lim domain from human skeletal2 muscle lim-protein 2
77	d1mvka	Alignment	not modelled	16.8	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: Immunoglobulin-binding domains Family: Immunoglobulin-binding domains
78	c2jwuA	Alignment	not modelled	16.6	11	PDB header: de novo protein Chain: A: PDB Molecule: gb88; PDB Title: solution nmr structures of two designed proteins with 88%2 sequence identity but different fold and function
79	c5ldeB	Alignment	not modelled	16.6	19	PDB header: viral protein Chain: B: PDB Molecule: immunoglobulin g-binding protein g,viral flic protein; PDB Title: crystal structure of a vflip-ikkgamma stapled peptide

						dimer
80	c1ibiA		Alignment	not modelled	16.4	25 PDB header: metal binding protein Chain: A: PDB Molecule: cysteine-rich protein 2; PDBTitle: quail cysteine and glycine-rich protein, nmr, 15 minimized2 model structures
81	d1x3ha2		Alignment	not modelled	16.3	35 Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: LIM domain
82	c1zxhA		Alignment	not modelled	16.1	22 PDB header: immune system/protein binding Chain: A: PDB Molecule: immunoglobulin g binding protein g; PDBTitle: g311 mutant protein
83	c2wryA		Alignment	not modelled	16.1	14 PDB header: immune system Chain: A: PDB Molecule: interleukin-1beta; PDBTitle: crystal structure of chicken cytokine interleukin 1 beta
84	c2l6yB		Alignment	not modelled	15.6	29 PDB header: transcription regulation/oncoprotein Chain: B: PDB Molecule: lim domain only 2, linker, lim domain-binding protein 1; PDBTitle: haddock model of gata1nf:lmo2lim2-lbd1lid
85	c1nltA		Alignment	not modelled	15.1	32 PDB header: protein transport Chain: A: PDB Molecule: mitochondrial protein import protein mas5; PDBTitle: the crystal structure of hsp40 ydj1
86	c4p5aB		Alignment	not modelled	14.9	29 PDB header: transferase Chain: B: PDB Molecule: thymidylate synthase thyx; PDBTitle: crystal structure of aUMP/dUMP methylase polB from streptomyces2 cacao bound with 5-br UMP
87	d1yrb		Alignment	not modelled	14.8	18 Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
88	d1du6a		Alignment	not modelled	14.7	12 Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
89	c2eqqA		Alignment	not modelled	14.6	24 PDB header: structural protein Chain: A: PDB Molecule: fhl1 protein; PDBTitle: solution structure of the fourth lim domain from human four2 and a half lim domains 1
90	c6f42V		Alignment	not modelled	14.4	26 PDB header: transcription Chain: V: PDB Molecule: transcription factor iiib 70 kDa subunit; PDBTitle: rna polymerase iii closed complex cc1.
91	c2yrgA		Alignment	not modelled	14.3	23 PDB header: ligase Chain: A: PDB Molecule: tripartite motif-containing protein 5; PDBTitle: solution structure of the b-box domain from tripartite2 motif-containing protein 5
92	c1bg1A		Alignment	not modelled	14.1	18 PDB header: transcription/dna Chain: A: PDB Molecule: protein (transcription factor stat3b); PDBTitle: transcription factor stat3b/dna complex
93	d1zrra1		Alignment	not modelled	14.1	17 Fold: Double-stranded beta-helix Superfamily: RmIC-like cupins Family: Acireductone dioxygenase
94	c3wofB		Alignment	not modelled	14.1	47 PDB header: transferase/transcription Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of p23-45 gp39 (6-132) bound to thermus thermophilus2 rna polymerase beta-flap domain
95	c6h9dB		Alignment	not modelled	13.9	17 PDB header: hydrolase Chain: B: PDB Molecule: lysozyme; PDBTitle: muramidase domain of spmx from asticacaulis excentricus
96	c1x4kA		Alignment	not modelled	13.8	21 PDB header: metal binding protein Chain: A: PDB Molecule: skeletal muscle lim-protein 3; PDBTitle: solution structure of lim domain in lim-protein 3
97	c5vgjG		Alignment	not modelled	13.6	18 PDB header: viral protein/immune system Chain: G: PDB Molecule: 1fd6-v1v2-wito; PDBTitle: crystal structure of the human fab vrc38.01, an hiv-1 v1v2-directed2 neutralizing antibody isolated from donor n90, bound to a scaffolded3 wito v1v2 domain
98	c5fz5M		Alignment	not modelled	13.4	17 PDB header: transcription Chain: M: PDB Molecule: transcription initiation factor iib; PDBTitle: transcription initiation complex structures elucidate dna opening (cc)
99	c4v1oM		Alignment	not modelled	13.4	17 PDB header: transcription Chain: M: PDB Molecule: transcription initiation factor iib; PDBTitle: architecture of the rna polymerase ii-mediator core transcription2 initiation complex