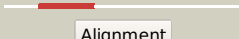
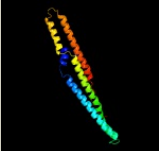
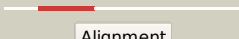
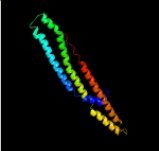
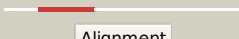
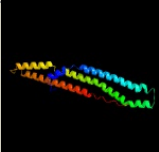



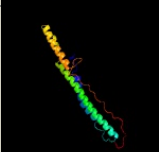

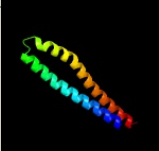

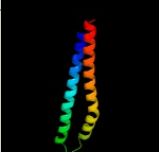

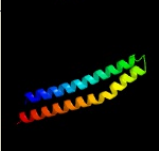

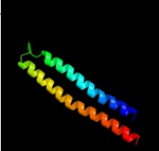

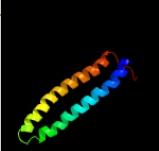

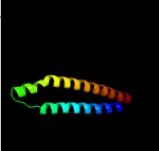


# Phyre2

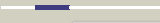
Email [mdejesus@rockefeller.edu](mailto:mdejesus@rockefeller.edu)  
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 Date Fri Jul 26 01:50:33 BST 2019  
 Unique Job ID 1c4e193929f9d1e3

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c5xfsB_</a>	 Alignment		100.0	49	<b>PDB header:</b> protein transport <b>Chain:</b> B: <b>PDB Molecule:</b> ppe family protein ppe15; <b>PDBTitle:</b> crystal structure of pe8-ppe15 in complex with esp95 from m.2 tuberculosis
2	<a href="#">c2g38B_</a>	 Alignment		100.0	34	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> ppe family protein; <b>PDBTitle:</b> a pe/ppe protein complex from mycobacterium tuberculosis
3	<a href="#">d2g38b1</a>	 Alignment		100.0	34	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> PE/PPE dimer-like <b>Family:</b> PPE
4	<a href="#">c4xy3A_</a>	 Alignment		100.0	16	<b>PDB header:</b> protein transport <b>Chain:</b> A: <b>PDB Molecule:</b> esx-1 secretion-associated protein espb; <b>PDBTitle:</b> structure of esx-1 secreted protein espb
5	<a href="#">c4wj2A_</a>	 Alignment		98.9	20	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> antigen mtb48; <b>PDBTitle:</b> mycobacterial protein
6	<a href="#">c2vs0B_</a>	 Alignment		98.1	15	<b>PDB header:</b> cell invasion <b>Chain:</b> B: <b>PDB Molecule:</b> virulence factor esxa; <b>PDBTitle:</b> structural analysis of homodimeric staphylococcal aureus2 virulence factor esxa
7	<a href="#">c3gvmA_</a>	 Alignment		97.9	11	<b>PDB header:</b> viral protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein sag1039; <b>PDBTitle:</b> structure of the homodimeric wxg-100 family protein from streptococcus2 agalactiae
8	<a href="#">c3zbhC_</a>	 Alignment		97.8	14	<b>PDB header:</b> unknown function <b>Chain:</b> C: <b>PDB Molecule:</b> esxa; <b>PDBTitle:</b> geobacillus thermodenitrificans esxa crystal form i
9	<a href="#">c4iogD_</a>	 Alignment		97.8	17	<b>PDB header:</b> unknown function <b>Chain:</b> D: <b>PDB Molecule:</b> secreted protein esxb; <b>PDBTitle:</b> the crystal structure of a secreted protein esxb (wild-type, in p212 space group) from bacillus anthracis str. sterne
10	<a href="#">d1wa8a1</a>	 Alignment		97.5	19	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> EsxAB dimer-like <b>Family:</b> ESAT-6 like
11	<a href="#">c4lwsA_</a>	 Alignment		96.5	14	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> esxa : esxb (semet) hetero-dimer from thermomonospora curvata

12	<a href="#">c4lwsB_</a>	Alignment		96.5	14	<b>PDB header:</b> unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> esxa : esxb (semet) hetero-dimer from thermomonospora curvata
13	<a href="#">d1wa8b1</a>	Alignment		96.3	23	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> EsxAB dimer-like <b>Family:</b> ESAT-6 like
14	<a href="#">c4i0xA_</a>	Alignment		95.3	22	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> esat-6-like protein mab_3112; <b>PDBTitle:</b> crystal structure of the mycobacterium abscessus esxef (mab_3112-2 mab_3113) complex
15	<a href="#">c2kg7B_</a>	Alignment		94.1	16	<b>PDB header:</b> unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> esat-6-like protein eshx; <b>PDBTitle:</b> structure and features of the complex formed by the tuberculosis2 virulence factors rv0287 and rv0288
16	<a href="#">d1ui5a2</a>	Alignment		69.6	24	<b>Fold:</b> Tetracyclin repressor-like, C-terminal domain <b>Superfamily:</b> Tetracyclin repressor-like, C-terminal domain <b>Family:</b> Tetracyclin repressor-like, C-terminal domain
17	<a href="#">c4i0xJ_</a>	Alignment		65.4	27	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> J: <b>PDB Molecule:</b> esat-6-like protein mab_3113; <b>PDBTitle:</b> crystal structure of the mycobacterium abscessus esxef (mab_3112-2 mab_3113) complex
18	<a href="#">d1xkna_</a>	Alignment		62.3	16	<b>Fold:</b> Pentain, beta/alpha-propeller <b>Superfamily:</b> Pentain <b>Family:</b> Porphyromonas-type peptidylarginine deiminase
19	<a href="#">c2lyyB_</a>	Alignment		31.9	13	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> nmr structure of the protein nb7890a from shewanella sp
20	<a href="#">d2ewoa1</a>	Alignment		27.6	28	<b>Fold:</b> Pentain, beta/alpha-propeller <b>Superfamily:</b> Pentain <b>Family:</b> Porphyromonas-type peptidylarginine deiminase
21	<a href="#">c2kg7A_</a>	Alignment	not modelled	24.4	26	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein esxg (pe family protein); <b>PDBTitle:</b> structure and features of the complex formed by the tuberculosis2 virulence factors rv0287 and rv0288
22	<a href="#">d2jera1</a>	Alignment	not modelled	23.9	26	<b>Fold:</b> Pentain, beta/alpha-propeller <b>Superfamily:</b> Pentain <b>Family:</b> Porphyromonas-type peptidylarginine deiminase
23	<a href="#">c2iu1A_</a>	Alignment	not modelled	23.5	28	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> eukaryotic translation initiation factor 5; <b>PDBTitle:</b> crystal structure of eif5 c-terminal domain
24	<a href="#">d1vkpa_</a>	Alignment	not modelled	22.6	24	<b>Fold:</b> Pentain, beta/alpha-propeller <b>Superfamily:</b> Pentain <b>Family:</b> Porphyromonas-type peptidylarginine deiminase
25	<a href="#">c2jerG_</a>	Alignment	not modelled	22.5	26	<b>PDB header:</b> hydrolase <b>Chain:</b> G: <b>PDB Molecule:</b> agmatine deiminase; <b>PDBTitle:</b> agmatine deiminase of enterococcus faecalis catalyzing its2 reaction.
26	<a href="#">c5frgA_</a>	Alignment	not modelled	20.9	63	<b>PDB header:</b> protein binding <b>Chain:</b> A: <b>PDB Molecule:</b> formin-binding protein 1-like; <b>PDBTitle:</b> the nmr structure of the cdc42-interacting region of toca1
27	<a href="#">c4yk2B_</a>	Alignment	not modelled	19.3	18	<b>PDB header:</b> protein binding <b>Chain:</b> B: <b>PDB Molecule:</b> bartonella effector protein (bep) substrate of virb t4ss; <b>PDBTitle:</b> crystal structure of the bid domain of bep9 from bartonella2 clarridgeiae
28	<a href="#">c2fulE_</a>	Alignment	not modelled	18.7	39	<b>PDB header:</b> translation <b>Chain:</b> E: <b>PDB Molecule:</b> eukaryotic translation initiation factor 5; <b>PDBTitle:</b> crystal structure of the c-terminal domain of s. cerevisiae eif5

29	<a href="#">c4yk3B_</a>	Alignment	not modelled	18.2	23	<b>PDB header:</b> protein binding <b>Chain:</b> B: <b>PDB Molecule:</b> bepe protein; <b>PDBTitle:</b> crystal structure of the bid domain of bepe from bartonella henselae
30	<a href="#">c3jywF_</a>	Alignment	not modelled	17.6	48	<b>PDB header:</b> ribosome <b>Chain:</b> F: <b>PDB Molecule:</b> 60s ribosomal protein l7(a); <b>PDBTitle:</b> structure of the 60s proteins for eukaryotic ribosome based on cryo-em2 map of thermomyces lanuginosus ribosome at 8.9a resolution
31	<a href="#">c2l5bA_</a>	Alignment	not modelled	17.5	53	<b>PDB header:</b> apoptosis <b>Chain:</b> A: <b>PDB Molecule:</b> activator of apoptosis harakiri; <b>PDBTitle:</b> solution structure of the transmembrane domain of bcl-2 member2 harakiri in micelles
32	<a href="#">c1bkvA_</a>	Alignment	not modelled	16.7	31	<b>PDB header:</b> structural protein <b>Chain:</b> A: <b>PDB Molecule:</b> t3-785; <b>PDBTitle:</b> collagen
33	<a href="#">c1bkvB_</a>	Alignment	not modelled	15.4	31	<b>PDB header:</b> structural protein <b>Chain:</b> B: <b>PDB Molecule:</b> t3-785; <b>PDBTitle:</b> collagen
34	<a href="#">c1bkvC_</a>	Alignment	not modelled	15.4	31	<b>PDB header:</b> structural protein <b>Chain:</b> C: <b>PDB Molecule:</b> t3-785; <b>PDBTitle:</b> collagen
35	<a href="#">c6b2wB_</a>	Alignment	not modelled	14.6	11	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> putative peptidyl-arginine deiminase family protein; <b>PDBTitle:</b> c. jejuni c315s agmatine deiminase with substrate bound
36	<a href="#">c2ke4A_</a>	Alignment	not modelled	13.8	63	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> cdc42-interacting protein 4; <b>PDBTitle:</b> the nmr structure of the tc10 and cdc42 interacting domain2 of cip4
37	<a href="#">d1paqa_</a>	Alignment	not modelled	13.4	20	<b>Fold:</b> alpha-alpha superhelix <b>Superfamily:</b> ARM repeat <b>Family:</b> MIF4G domain-like
38	<a href="#">c1paqA_</a>	Alignment	not modelled	13.4	20	<b>PDB header:</b> translation <b>Chain:</b> A: <b>PDB Molecule:</b> translation initiation factor eif-2b epsilon <b>PDBTitle:</b> crystal structure of the catalytic fragment of eukaryotic2 initiation factor 2b epsilon
39	<a href="#">c2l5aA_</a>	Alignment	not modelled	12.9	22	<b>PDB header:</b> nuclear protein <b>Chain:</b> A: <b>PDB Molecule:</b> histone h3-like centromeric protein cse4, protein scm3, <b>PDBTitle:</b> structural basis for recognition of centromere specific histone h32 variant by nonhistone scm3
40	<a href="#">c4el8A_</a>	Alignment	not modelled	12.4	38	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> glycoside hydrolase family 48; <b>PDBTitle:</b> the unliganded structure of c.bescii cela gh48 module
41	<a href="#">c3h6pB_</a>	Alignment	not modelled	11.5	36	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> esat-6 like protein exs; <b>PDBTitle:</b> crystal structure of rv3019c-rv3020c from mycobacterium tuberculosis
42	<a href="#">c5lc5a_</a>	Alignment	not modelled	10.5	38	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> nadh-ubiquinone oxidoreductase chain 3; <b>PDBTitle:</b> structure of mammalian respiratory complex i, class2
43	<a href="#">c3juia_</a>	Alignment	not modelled	10.2	23	<b>PDB header:</b> translation <b>Chain:</b> A: <b>PDB Molecule:</b> translation initiation factor eif-2b subunit epsilon; <b>PDBTitle:</b> crystal structure of the c-terminal domain of human translation2 initiation factor eif2b epsilon subunit
44	<a href="#">c2hzkB_</a>	Alignment	not modelled	10.2	14	<b>PDB header:</b> ligand binding, transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> trap-t family sorbitol/mannitol transporter, periplasmic <b>PDBTitle:</b> crystal structures of a sodium-alpha-keto acid binding subunit from a2 trap transporter in its open form
45	<a href="#">c4kkkA_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> exoglucanase s; <b>PDBTitle:</b> complex structure of catalytic domain of clostridium cellulovorans2 exgs and cellotetraose
46	<a href="#">c3ttlB_</a>	Alignment	not modelled	9.2	15	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> polyamine transport protein; <b>PDBTitle:</b> crystal structure of apo-spue
47	<a href="#">d1zbra1</a>	Alignment	not modelled	9.1	17	<b>Fold:</b> Pentain, beta/alpha-propeller <b>Superfamily:</b> Pentain <b>Family:</b> Porphyromonas-type peptidylarginine deiminase
48	<a href="#">c5lzkB_</a>	Alignment	not modelled	9.0	9	<b>PDB header:</b> structural genomics <b>Chain:</b> B: <b>PDB Molecule:</b> protein fam83b; <b>PDBTitle:</b> structure of the domain of unknown function duf1669 from human fam83b
49	<a href="#">c1l2aD_</a>	Alignment	not modelled	8.9	19	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> cellobiohydrolase; <b>PDBTitle:</b> the crystal structure and catalytic mechanism of2 cellobiohydrolase cels, the major enzymatic component of3 the clostridium thermocellum cellulosome
50	<a href="#">d1llya_</a>	Alignment	not modelled	8.9	19	<b>Fold:</b> alpha/alpha toroid <b>Superfamily:</b> Six-hairpin glycosidases <b>Family:</b> Cellulases catalytic domain
51	<a href="#">c4fusA_</a>	Alignment	not modelled	8.8	44	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> rtx toxins and related ca2+-binding protein; <b>PDBTitle:</b> the x-ray structure of hahella chejuensis family 48 glycosyl hydrolase
52	<a href="#">c3zfsA_</a>	Alignment	not modelled	8.8	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> f420-reducing hydrogenase, subunit alpha; <b>PDBTitle:</b> cryo-em structure of the f420-reducing nife-hydrogenase from a2 methanogenic archaeon with bound substrate
53	<a href="#">c4xfeA_</a>	Alignment	not modelled	8.2	14	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> trap dicarboxylate transporter subunit dctp; <b>PDBTitle:</b> crystal structure of a trap periplasmic solute binding

						protein from2 pseudomonas putida f1 (pput_1203), target efi-500184, with bound d-3 glucuronate
54	<a href="#">c2ahmG_</a>	Alignment	not modelled	8.2	26	<b>PDB header:</b> viral protein, replication <b>Chain:</b> G: <b>PDB Molecule:</b> replicase polypeptide 1ab, heavy chain; <b>PDBTitle:</b> crystal structure of sars-cov super complex of non-structural2 proteins: the hexadecamer
55	<a href="#">c5i4rA_</a>	Alignment	not modelled	8.0	57	<b>PDB header:</b> toxin/antitoxin <b>Chain:</b> A: <b>PDB Molecule:</b> contact-dependent inhibitor a; <b>PDBTitle:</b> contact-dependent inhibition system from escherichia coli nc101 -2 ternary cdia/cdiif/ef-tu complex (trypsin-modified)
56	<a href="#">d1jyaa_</a>	Alignment	not modelled	7.9	23	<b>Fold:</b> Secretion chaperone-like <b>Superfamily:</b> Type III secretory system chaperone-like <b>Family:</b> Type III secretory system chaperone
57	<a href="#">c2dbfA_</a>	Alignment	not modelled	7.8	27	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> nuclear factor nf-kappa-b p105 subunit; <b>PDBTitle:</b> solution structure of the death domain in human nuclear2 factor nf-kappa-b p105 subunit
58	<a href="#">c3qthA_</a>	Alignment	not modelled	7.8	11	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of a dinb-like protein (cps_3021) from colwellia2 psychrerythraea 34h at 2.20 a resolution
59	<a href="#">c4jiiA_</a>	Alignment	not modelled	7.7	25	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cellulose 1,4-beta-cellobiosidase; <b>PDBTitle:</b> the structure of t. fusca gh48 d224n mutant
60	<a href="#">c1gk9A_</a>	Alignment	not modelled	7.7	18	<b>PDB header:</b> antibiotic resistance <b>Chain:</b> A: <b>PDB Molecule:</b> penicillin g acylase alpha subunit; <b>PDBTitle:</b> crystal structures of penicillin acylase enzyme-substrate2 complexes: structural insights into the catalytic mechanism
61	<a href="#">d2cmua1</a>	Alignment	not modelled	7.5	14	<b>Fold:</b> Pentain, beta/alpha-propeller <b>Superfamily:</b> Pentain <b>Family:</b> Porphyromonas-type peptidylarginine deiminase
62	<a href="#">c2kwuA_</a>	Alignment	not modelled	7.3	38	<b>PDB header:</b> protein binding/signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase iota; <b>PDBTitle:</b> solution structure of ubm2 of murine polymerase iota in complex with2 ubiquitin
63	<a href="#">c3j21Y_</a>	Alignment	not modelled	7.2	31	<b>PDB header:</b> ribosome <b>Chain:</b> Y: <b>PDB Molecule:</b> 50s ribosomal protein l30p; <b>PDBTitle:</b> promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (50s3 ribosomal proteins)
64	<a href="#">c5h18B_</a>	Alignment	not modelled	7.2	18	<b>PDB header:</b> protein transport <b>Chain:</b> B: <b>PDB Molecule:</b> type ii secretion system protein i; <b>PDBTitle:</b> 1.93 angstrom resolution crystal structure of a pullulanase-specific2 type ii secretion system integral cytoplasmic membrane protein gspI3 (c-terminal fragment; residues 309-397) from klebsiella pneumoniae4 subsp. pneumoniae ntuh-k2044
65	<a href="#">d1g9ga_</a>	Alignment	not modelled	7.2	21	<b>Fold:</b> alpha/alpha toroid <b>Superfamily:</b> Six-hairpin glycosidases <b>Family:</b> Cellulases catalytic domain
66	<a href="#">c4nn3A_</a>	Alignment	not modelled	7.1	16	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> trap dicarboxylate transporter, dctp subunit; <b>PDBTitle:</b> crystal structure of a trap periplasmic solute binding protein from2 desulfovibrio salexigens (desal_2161), target efi-510109, with bound3 orotic acid
67	<a href="#">c3ub0D_</a>	Alignment	not modelled	7.1	17	<b>PDB header:</b> replication <b>Chain:</b> D: <b>PDB Molecule:</b> non-structural protein 6, nsp6,; <b>PDBTitle:</b> crystal structure of the nonstructural protein 7 and 8 complex of2 feline coronavirus
68	<a href="#">c3j3bF_</a>	Alignment	not modelled	7.1	38	<b>PDB header:</b> ribosome <b>Chain:</b> F: <b>PDB Molecule:</b> 60s ribosomal protein l7; <b>PDBTitle:</b> structure of the human 60s ribosomal proteins
69	<a href="#">c2kp7A_</a>	Alignment	not modelled	7.0	27	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> crossover junction endonuclease mus81; <b>PDBTitle:</b> solution nmr structure of the mus81 n-terminal hhh.2 northeast structural genomics consortium target mmt1a
70	<a href="#">c5ec0A_</a>	Alignment	not modelled	6.9	20	<b>PDB header:</b> structural protein <b>Chain:</b> A: <b>PDB Molecule:</b> alp7a; <b>PDBTitle:</b> crystal structure of actin-like protein alp7a
71	<a href="#">c3r5zB_</a>	Alignment	not modelled	6.7	14	<b>PDB header:</b> unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> structure of a deazaflavin-dependent reductase from nocardia2 farcinica, with co-factor f420
72	<a href="#">c2wybA_</a>	Alignment	not modelled	6.7	11	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> acyl-homoserine lactone acylase pvdq subunit <b>PDBTitle:</b> the quorum quenching n-acyl homoserine lactone acylase pvdq2 with a covalently bound dodecanoic acid
73	<a href="#">c6o9l6_</a>	Alignment	not modelled	6.7	40	<b>PDB header:</b> transcription/dna <b>Chain:</b> 6: <b>PDB Molecule:</b> general transcription factor iih subunit 2; <b>PDBTitle:</b> human holo-pic in the closed state
74	<a href="#">c4n91A_</a>	Alignment	not modelled	6.4	13	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> trap dicarboxylate transporter, dctp subunit; <b>PDBTitle:</b> crystal structure of a trap periplasmic solute binding protein from2 anaerococcus prevotii dsm 20548 (apre_1383), target efi-510023, with3 bound alpha/beta d-glucuronate
75	<a href="#">c3j39F_</a>	Alignment	not modelled	6.4	38	<b>PDB header:</b> ribosome <b>Chain:</b> F: <b>PDB Molecule:</b> 60s ribosomal protein l7; <b>PDBTitle:</b> structure of the d. melanogaster 60s ribosomal proteins
76	<a href="#">c2zdiA_</a>	Alignment	not modelled	6.2	38	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein tma177; <b>PDBTitle:</b> crystal structure of tma177, a hypothetical protein from2 thermus thermophilus phage tma
77	<a href="#">c3fy6A_</a>	Alignment	not modelled	6.2	25	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> integron cassette protein; <b>PDBTitle:</b> structure from the mobile metagenome of v. cholerae.

						integron cassette2 protein vch_cass3
78	<a href="#">c2np3A_</a>	Alignment	not modelled	6.1	18	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> putative tetr-family regulator; <b>PDBTitle:</b> crystal structure of tetr-family regulator (sco0857) from streptomyces2 coelicolor a3.
79	<a href="#">c2nvjA_</a>	Alignment	not modelled	6.1	30	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> 25mer peptide from vacuolar atp synthase subunit <b>PDBTitle:</b> nmr structures of transmembrane segment from subunit a from2 the yeast proton v-atpase
80	<a href="#">c4yk1A_</a>	Alignment	not modelled	6.1	7	<b>PDB header:</b> protein binding <b>Chain:</b> A: <b>PDB Molecule:</b> bartonella effector protein (bep) substrate of virb t4ss; <b>PDBTitle:</b> crystal structure of the bid domain of bep6 from bartonella rochalimae
81	<a href="#">c4i6jB_</a>	Alignment	not modelled	6.0	11	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> f-box/lrr-repeat protein 3; <b>PDBTitle:</b> a ubiquitin ligase-substrate complex
82	<a href="#">c1d1dA_</a>	Alignment	not modelled	6.0	12	<b>PDB header:</b> viral protein <b>Chain:</b> A: <b>PDB Molecule:</b> protein (capsid protein); <b>PDBTitle:</b> nmr solution structure of the capsid protein from rous2 sarcoma virus
83	<a href="#">c4c5eG_</a>	Alignment	not modelled	5.9	39	<b>PDB header:</b> transcription <b>Chain:</b> G: <b>PDB Molecule:</b> polycomb protein pho; <b>PDBTitle:</b> crystal structure of the minimal pho-sfmbt complex (p21 spacegroup)
84	<a href="#">c4c5eH_</a>	Alignment	not modelled	5.9	39	<b>PDB header:</b> transcription <b>Chain:</b> H: <b>PDB Molecule:</b> polycomb protein pho; <b>PDBTitle:</b> crystal structure of the minimal pho-sfmbt complex (p21 spacegroup)
85	<a href="#">d1fcda3</a>	Alignment	not modelled	5.9	23	<b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like <b>Superfamily:</b> FAD/NAD-linked reductases, dimerisation (C-terminal) domain <b>Family:</b> FAD/NAD-linked reductases, dimerisation (C-terminal) domain
86	<a href="#">d1luaa2</a>	Alignment	not modelled	5.9	24	<b>Fold:</b> Aminoacid dehydrogenase-like, N-terminal domain <b>Superfamily:</b> Aminoacid dehydrogenase-like, N-terminal domain <b>Family:</b> Methylene-tetrahydromethanopterin dehydrogenase
87	<a href="#">c2jtwA_</a>	Alignment	not modelled	5.8	38	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> transmembrane helix 7 of yeast vatpase; <b>PDBTitle:</b> solution structure of tm7 bound to dpc micelles
88	<a href="#">c2rpwX_</a>	Alignment	not modelled	5.8	38	<b>PDB header:</b> transport protein <b>Chain:</b> X: <b>PDB Molecule:</b> 25 meric peptide from v-type proton atpase <b>PDBTitle:</b> structure of a peptide derived from h+-v-atpase subunit a
89	<a href="#">d2apla1</a>	Alignment	not modelled	5.8	12	<b>Fold:</b> PG0816-like <b>Superfamily:</b> PG0816-like <b>Family:</b> PG0816-like
90	<a href="#">c4gl0A_</a>	Alignment	not modelled	5.7	16	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> lmo0810 protein; <b>PDBTitle:</b> putative spermidine/putrescine abc transporter from listeria2 monocytogenes
91	<a href="#">c3p8cF_</a>	Alignment	not modelled	5.7	22	<b>PDB header:</b> protein binding <b>Chain:</b> F: <b>PDB Molecule:</b> abl interactor 2; <b>PDBTitle:</b> structure and control of the actin regulatory wave complex
92	<a href="#">d1r76a_</a>	Alignment	not modelled	5.6	22	<b>Fold:</b> alpha/alpha toroid <b>Superfamily:</b> Family 10 polysaccharide lyase <b>Family:</b> Family 10 polysaccharide lyase
93	<a href="#">c4y9iA_</a>	Alignment	not modelled	5.5	14	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> mycobacterium tuberculosis paralogous family 11; <b>PDBTitle:</b> structure of f420-h2 dependent reductase (fdr-a) msmeg_2027
94	<a href="#">c4wpyA_</a>	Alignment	not modelled	5.5	20	<b>PDB header:</b> de novo protein <b>Chain:</b> A: <b>PDB Molecule:</b> protein dl-rv1738; <b>PDBTitle:</b> racemic crystal structure of rv1738 from mycobacterium tuberculosis2 (form-ii)
95	<a href="#">c3n6xA_</a>	Alignment	not modelled	5.5	13	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> putative glutathionylspermidine synthase; <b>PDBTitle:</b> crystal structure of a putative glutathionylspermidine synthase2 (mf1a_0391) from methylobacillus flagellatus kt at 2.35 a resolution
96	<a href="#">d1saza2</a>	Alignment	not modelled	5.5	16	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Actin-like ATPase domain <b>Family:</b> Acetokinase-like
97	<a href="#">c3izce_</a>	Alignment	not modelled	5.5	19	<b>PDB header:</b> ribosome <b>Chain:</b> E: <b>PDB Molecule:</b> 60s ribosomal protein rpl11 (I5p); <b>PDBTitle:</b> localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
98	<a href="#">c3mopC_</a>	Alignment	not modelled	5.4	38	<b>PDB header:</b> signaling protein, immune system <b>Chain:</b> C: <b>PDB Molecule:</b> myeloid differentiation primary response protein myd88; <b>PDBTitle:</b> the ternary death domain complex of myd88, irak4, and irak2
99	<a href="#">c1d0rA_</a>	Alignment	not modelled	5.3	40	<b>PDB header:</b> hormone/growth factor <b>Chain:</b> A: <b>PDB Molecule:</b> glucagon-like peptide-1-(7-36)-amide; <b>PDBTitle:</b> solution structure of glucagon-like peptide-1-(7-36)-amide in2 trifluoroethanol/water