

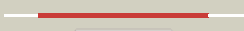




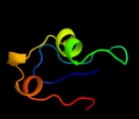







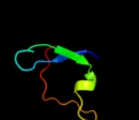









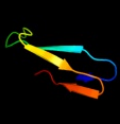







#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3p42D_	 Alignment		100.0	43	PDB header: unknown function Chain: D: PDB Molecule: predicted protein; PDBTitle: structure of gfcc (ymcb), protein encoded by the e. coli group 42 capsule operon
2	c2j58G_	 Alignment		99.6	18	PDB header: membrane protein Chain: G: PDB Molecule: outer membrane lipoprotein wza; PDBTitle: the structure of wza
3	c2w8iG_	 Alignment		99.5	17	PDB header: membrane protein Chain: G: PDB Molecule: putative outer membrane lipoprotein wza; PDBTitle: crystal structure of wza24-345.
4	d2fug13	 Alignment		77.6	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: Nqo1 middle domain-like Family: Nqo1 middle domain-like
5	c2fugA_	 Alignment		60.8	16	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh-quinone oxidoreductase chain 1; PDBTitle: crystal structure of the hydrophilic domain of respiratory complex i2 from thermus thermophilus
6	c3ixzA_	 Alignment		59.6	15	PDB header: hydrolase Chain: A: PDB Molecule: potassium-transporting atpase alpha; PDBTitle: pig gastric h+/k+-atpase complexed with aluminium fluoride
7	c3b8eC_	 Alignment		57.3	21	PDB header: hydrolase/transport protein Chain: C: PDB Molecule: sodium/potassium-transporting atpase subunit PDBTitle: crystal structure of the sodium-potassium pump
8	c3rfuC_	 Alignment		51.0	17	PDB header: hydrolase, membrane protein Chain: C: PDB Molecule: copper efflux atpase; PDBTitle: crystal structure of a copper-transporting pib-type atpase
9	c3ibmB_	 Alignment		45.5	18	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: cupin 2, conserved barrel domain protein; PDBTitle: crystal structure of cupin 2 domain-containing protein hha1_0468 from2 halorhodospira halophila
10	c2zxeA_	 Alignment		44.8	21	PDB header: hydrolase/transport protein Chain: A: PDB Molecule: na, k-atpase alpha subunit; PDBTitle: crystal structure of the sodium - potassium pump in the e2.2k+.pi2 state
11	d1rwsa_	 Alignment		37.2	16	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: ThiS

12	c2vldA	Alignment		35.3	24	PDB header: hydrolase Chain: A: PDB Molecule: upf0286 protein pyrab01260; PDBTitle: crystal structure of a repair endonuclease from pyrococcus2 abyssi
13	c3j08A	Alignment		34.5	36	PDB header: hydrolase, metal transport Chain: A: PDB Molecule: copper-exporting p-type atpase a; PDBTitle: high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
14	c2hc8A	Alignment		33.4	27	PDB header: transport protein Chain: A: PDB Molecule: cation-transporting atpase, p-type; PDBTitle: structure of the a. fulgidus copa a-domain
15	d1lr5a	Alignment		29.9	6	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
16	c3jzvA	Alignment		29.4	7	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein rru_a2000; PDBTitle: crystal structure of rru_a2000 from rhodospirillum rubrum: a cupin-22 domain.
17	c3b8cB	Alignment		28.0	24	PDB header: hydrolase Chain: B: PDB Molecule: atpase 2, plasma membrane-type; PDBTitle: crystal structure of a plasma membrane proton pump
18	c2r32A	Alignment		27.3	19	PDB header: immune system Chain: A: PDB Molecule: gcn4-pii/tumor necrosis factor ligand PDBTitle: crystal structure of human gtr1 variant
19	d1uika1	Alignment		26.7	6	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
20	c1mhsA	Alignment		26.4	30	PDB header: membrane protein, proton transport Chain: A: PDB Molecule: plasma membrane atpase; PDBTitle: model of neurospora crassa proton atpase
21	c2kya	Alignment	not modelled	26.1	36	PDB header: hydrolase Chain: A: PDB Molecule: group xvi phospholipase a2; PDBTitle: solution struture of the h-rev107 n-terminal domain
22	c3kgzA	Alignment	not modelled	26.1	11	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: cupin 2 conserved barrel domain protein; PDBTitle: crystal structure of a cupin 2 conserved barrel domain protein from2 rhodopseudomonas palustris
23	d1d1la	Alignment	not modelled	24.4	16	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
24	c3ff4A	Alignment	not modelled	23.3	6	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein chu_1412
25	d1vj2a	Alignment	not modelled	23.0	18	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: TM1459-like
26	c2xdvA	Alignment	not modelled	22.8	11	PDB header: nuclear protein Chain: A: PDB Molecule: myc-induced nuclear antigen; PDBTitle: crystal structure of the catalytic domain of flj14393
27	d1uija1	Alignment	not modelled	22.6	9	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
28	d1p9ka	Alignment	not modelled	22.5	12	Fold: Alpha-L RNA-binding motif Superfamily: Alpha-L RNA-binding motif Family: Ybcj-like
29	d2cu3a1	Alignment	not modelled	22.3	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: Moad/ThiS

					Family: ThiS
30	d3bu7a1	Alignment	not modelled	22.1	18 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Gentisate 1,2-dioxygenase-like
31	c3bu7A	Alignment	not modelled	22.1	18 PDB header: oxidoreductase Chain: A: PDB Molecule: gentisate 1,2-dioxygenase; PDBTitle: crystal structure and biochemical characterization of gdsp, 2 a gentisate 1,2-dioxygenase from silicibacter pomeroyi
32	c2vpvA	Alignment	not modelled	22.0	18 PDB header: cell cycle Chain: A: PDB Molecule: protein mif2; PDBTitle: dimerization domain of mif2p
33	d2d40a1	Alignment	not modelled	21.8	18 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Gentisate 1,2-dioxygenase-like
34	c3s7eB	Alignment	not modelled	21.2	11 PDB header: allergen Chain: B: PDB Molecule: allergen ara h 1, clone p41b; PDBTitle: crystal structure of ara h 1
35	d1sq4a	Alignment	not modelled	21.2	18 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: YlbA-like
36	d1dgwa	Alignment	not modelled	21.2	9 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
37	d1uija2	Alignment	not modelled	20.8	9 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
38	d1y7ma2	Alignment	not modelled	20.0	4 Fold: LysM domain Superfamily: LysM domain Family: LysM domain
39	d1b2pa	Alignment	not modelled	19.8	23 Fold: beta-Prism II Superfamily: alpha-D-mannose-specific plant lectins Family: alpha-D-mannose-specific plant lectins
40	c3kd4A	Alignment	not modelled	19.1	26 PDB header: hydrolase Chain: A: PDB Molecule: putative protease; PDBTitle: crystal structure of a putative protease (bdi_1141) from2 parabacteroides distasonis atcc 8503 at 2.00 a resolution
41	d1rc6a	Alignment	not modelled	19.0	18 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: YlbA-like
42	d1uika2	Alignment	not modelled	19.0	9 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
43	c3c3vA	Alignment	not modelled	18.9	14 PDB header: allergen Chain: A: PDB Molecule: arachin arah3 isoform; PDBTitle: crystal structure of peanut major allergen ara h 3
44	c3cewA	Alignment	not modelled	18.5	11 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized cupin protein; PDBTitle: crystal structure of a cupin protein (bf4112) from bacteroides2 fragilis. northeast structural genomics consortium target bfr205
45	d1fxza2	Alignment	not modelled	18.3	12 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
46	d1j58a	Alignment	not modelled	17.4	15 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
47	d1od5a2	Alignment	not modelled	17.2	18 Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Germin/Seed storage 7S protein
48	d1dlpa1	Alignment	not modelled	17.1	22 Fold: beta-Prism II Superfamily: alpha-D-mannose-specific plant lectins Family: alpha-D-mannose-specific plant lectins
49	c2cauA	Alignment	not modelled	17.1	9 PDB header: plant protein Chain: A: PDB Molecule: protein (canavalin); PDBTitle: canavalin from jack bean
50	c3k2oB	Alignment	not modelled	16.3	30 PDB header: oxidoreductase Chain: B: PDB Molecule: bifunctional arginine demethylase and lysyl-hydroxylase PDBTitle: structure of an oxygenase
51	c2d40C	Alignment	not modelled	16.2	18 PDB header: oxidoreductase Chain: C: PDB Molecule: putative gentisate 1,2-dioxygenase; PDBTitle: crystal structure of z3393 from escherichia coli o157:h7
52	c3dwmA	Alignment	not modelled	16.1	15 PDB header: transferase Chain: A: PDB Molecule: 9.5 kda culture filtrate antigen cfp10a; PDBTitle: crystal structure of mycobacterium tuberculosis cyso, an antigen
53	d1vrba1	Alignment	not modelled	16.0	15 Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: Asparaginyl hydroxylase-like
54	d4croa	Alignment	not modelled	16.0	14 Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
55	c2oa2A	Alignment	not modelled	15.5	15 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: bh2720 protein; PDBTitle: crystal structure of bh2720 (10175341) from bacillus halodurans at2 1.41 a resolution
56	c3mezA	Alignment	not modelled	15.4	20 PDB header: sugar binding protein Chain: A: PDB Molecule: mannose-specific lectin 3 chain 1; PDBTitle: x-ray structural analysis of a mannose specific lectin

						from dutch2 crocus (crocus vernus)
57	c3j09A_	Alignment	not modelled	15.3	36	PDB header: hydrolase, metal transport Chain: A: PDB Molecule: copper-exporting p-type atpase a; PDBTitle: high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
58	c2q30C_	Alignment	not modelled	15.1	10	PDB header: unknown function Chain: C: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a rmlc-like cupin protein (dde_2303) from2 desulfovibrio desulfuricans subsp. at 1.94 a resolution
59	c2kijA_	Alignment	not modelled	14.9	28	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the actuator domain of the copper-2 transporting atpase atp7a
60	c3cwiA_	Alignment	not modelled	14.8	12	PDB header: biosynthetic protein Chain: A: PDB Molecule: thiamine-biosynthesis protein this; PDBTitle: crystal structure of thiamine biosynthesis protein (this)2 from geobacter metallireducens. northeast structural3 genomics consortium target gmr137
61	d2phda1	Alignment	not modelled	14.3	19	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Gentisate 1,2-dioxygenase-like
62	d1sfna_	Alignment	not modelled	14.1	18	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: YlbA-like
63	c1fxzC_	Alignment	not modelled	14.1	14	PDB header: plant protein Chain: C: PDB Molecule: glycinin g1; PDBTitle: crystal structure of soybean proglycinin a1ab1b homotrimer
64	c1sefA_	Alignment	not modelled	14.0	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: crystal structure of cupin domain protein ef2996 from enterococcus2 faecalis
65	d1sefa_	Alignment	not modelled	14.0	14	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: YlbA-like
66	c2oh2B_	Alignment	not modelled	13.6	13	PDB header: transferase/dna Chain: B: PDB Molecule: dna polymerase kappa; PDBTitle: ternary complex of human dna polymerase
67	d1a6fa_	Alignment	not modelled	13.1	6	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: RNase P protein
68	d1h9ma1	Alignment	not modelled	12.9	16	Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
69	c2e9qA_	Alignment	not modelled	12.8	12	PDB header: plant protein Chain: A: PDB Molecule: 11s globulin subunit beta; PDBTitle: recombinant pro-11s globulin of pumpkin
70	c1uijA_	Alignment	not modelled	12.7	5	PDB header: sugar binding protein Chain: A: PDB Molecule: beta subunit of beta conglycinin; PDBTitle: crystal structure of soybean beta-conglycinin beta2 homotrimer (i122m/k124w)
71	c1h9mB_	Alignment	not modelled	12.7	16	PDB header: binding protein Chain: B: PDB Molecule: molybdenum-binding-protein; PDBTitle: two crystal structures of the cytoplasmic molybdate-binding2 protein modg suggest a novel cooperative binding mechanism3 and provide insights into ligand-binding specificity.4 peg-grown form with molybdate bound
72	c1cauB_	Alignment	not modelled	12.1	15	PDB header: seed storage protein Chain: B: PDB Molecule: canavalin; PDBTitle: determination of three crystal structures of canavalin by molecular2 replacement
73	c3ehkC_	Alignment	not modelled	11.9	18	PDB header: plant protein Chain: C: PDB Molecule: prunin; PDBTitle: crystal structure of pru du amandin, an allergenic protein2 from prunus dulcis
74	c2oqkA_	Alignment	not modelled	11.9	25	PDB header: translation Chain: A: PDB Molecule: putative translation initiation factor eif-1a; PDBTitle: crystal structure of putative cryptosporidium parvum translation2 initiation factor eif-1a
75	c3kglB_	Alignment	not modelled	11.9	8	PDB header: plant protein Chain: B: PDB Molecule: cruciferin; PDBTitle: crystal structure of procruciferin, 11s globulin from2 brassica napus
76	c2vqaC_	Alignment	not modelled	11.5	12	PDB header: metal-binding protein Chain: C: PDB Molecule: sll1358 protein; PDBTitle: protein-folding location can regulate mn versus cu- or zn-2 binding. crystal structure of mnca.
77	c3h7yA_	Alignment	not modelled	11.5	14	PDB header: biosynthetic protein Chain: A: PDB Molecule: bacilysin biosynthesis protein bacb; PDBTitle: crystal structure of bacb, an enzyme involved in bacilysin synthesis,2 in tetragonal form
78	d1zrra1	Alignment	not modelled	11.5	16	Fold: Double-stranded beta-helix Superfamily: RmlC-like cupins Family: Acireductone dioxygenase
79	c3al6A_	Alignment	not modelled	11.3	18	PDB header: unknown function Chain: A: PDB Molecule: jmc domain-containing protein c2orf60; PDBTitle: crystal structure of human tyw5
80	c3kscD_	Alignment	not modelled	11.3	16	PDB header: plant protein Chain: D: PDB Molecule: lega class; PDBTitle: crystal structure of pea prolegumin, an 11s seed globulin2 from pismus sativum l.
81	c1ue7A_	Alignment	not modelled	11.3	18	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: crystal structure of the single-stranded dna-binding2 protein from mycobacterium tuberculosis
						PDB header: metal binding protein

82	c3d82A_	Alignment	not modelled	11.2	7	Chain: A: PDB Molecule: cupin 2, conserved barrel domain protein; PDBTitle: crystal structure of a cupin-2 domain containing protein (sfri_3543)2 from shewanella frigidimarina ncimb 400 at 2.05 a resolution
83	d1guta_	Alignment	not modelled	11.2	7	Fold: OB-fold Superfamily: MOP-like Family: Molybdate/tungstate binding protein MOP
84	c2pfwB_	Alignment	not modelled	11.1	21	PDB header: unknown function Chain: B: PDB Molecule: cupin 2, conserved barrel domain protein; PDBTitle: crystal structure of a rmlc-like cupin (sfri_3105) from shewanella2 frigidimarina ncimb 400 at 1.90 a resolution
85	d1h2ka_	Alignment	not modelled	11.0	30	Fold: Double-stranded beta-helix Superfamily: Clavamate synthase-like Family: Hypoxia-inducible factor HIF inhibitor (FIH1)
86	c2kl0A_	Alignment	not modelled	11.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative thiamin biosynthesis this; PDBTitle: solution nmr structure of rhodopseudomonas palustris rpa3574,2 northeast structural genomics consortium (nesg) target rpr325
87	d1d6ta_	Alignment	not modelled	11.0	12	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: RNase P protein
88	c3uyjA_	Alignment	not modelled	10.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: lysine-specific demethylase 8; PDBTitle: crystal structure of jmj5 catalytic core domain in complex with2 nickle and alpha-kg
89	c2pijB_	Alignment	not modelled	10.7	22	PDB header: transcription Chain: B: PDB Molecule: prophage pfl 6 cro; PDBTitle: structure of the cro protein from prophage pfl 6 in pseudomonas2 fluorescens pf-5
90	d1hr0w_	Alignment	not modelled	10.7	15	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
91	d1ah9a_	Alignment	not modelled	10.7	17	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
92	c2hj1A_	Alignment	not modelled	10.6	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a 3d domain-swapped dimer of protein hi0395 from2 haemophilus influenzae
93	d2hj1a1	Alignment	not modelled	10.6	14	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: HI0395-like
94	c2i45C_	Alignment	not modelled	10.6	17	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of protein nmb1881 from neisseria meningitidis
95	d2arca_	Alignment	not modelled	10.6	21	Fold: Double-stranded beta-helix Superfamily: Regulatory protein AraC Family: Regulatory protein AraC
96	c2opkC_	Alignment	not modelled	10.6	13	PDB header: isomerase Chain: C: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a putative mannose-6-phosphate isomerase2 (reut_a1446) from ralstonia eutropha jmp134 at 2.10 a resolution
97	c2gu9B_	Alignment	not modelled	10.5	25	PDB header: immune system Chain: B: PDB Molecule: tetracenomycin polyketide synthesis protein; PDBTitle: crystal structure of xc5357 from xanthomonas campestris: a2 putative tetracenomycin polyketide synthesis protein3 adopting a novel cupin subfamily structure
98	d1hyoa2	Alignment	not modelled	10.5	14	Fold: FAH Superfamily: FAH Family: FAH
99	c1kskA_	Alignment	not modelled	10.4	15	PDB header: lyase Chain: A: PDB Molecule: ribosomal small subunit pseudouridine synthase a; PDBTitle: structure of rsua