

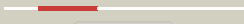











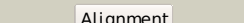




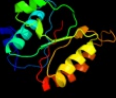


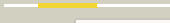

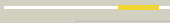





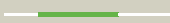



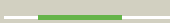




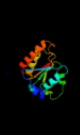

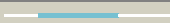


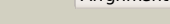





#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlubea1	 Alignment		95.0	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
2	dlmo6a1	 Alignment		94.8	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
3	clu9iA_	 Alignment		94.0	7	PDB header: circadian clock protein Chain: A: PDB Molecule: kaic; PDBTitle: crystal structure of circadian clock protein kaic with phosphorylation2 sites
4	dlxp8a1	 Alignment		92.0	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
5	dlu94a1	 Alignment		91.7	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
6	dltf7a2	 Alignment		88.7	7	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
7	dln0wa_	 Alignment		85.4	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
8	c2zroA_	 Alignment		85.1	13	PDB header: hydrolase Chain: A: PDB Molecule: protein reca; PDBTitle: msreca adp form iv
9	c2cvhB_	 Alignment		84.3	13	PDB header: dna binding protein Chain: B: PDB Molecule: dna repair and recombination protein radb; PDBTitle: crystal structure of the radb recombinase
10	c2recB_	 Alignment		83.9	15	PDB header: helicase PDB COMPND:
11	c1xp8A_	 Alignment		79.3	16	PDB header: dna binding protein Chain: A: PDB Molecule: reca protein; PDBTitle: " deinococcus radiodurans reca in complex with atp-gamma-s"

12	c3hr8A_	 Alignment		79.0	12	PDB header: recombination Chain: A: PDB Molecule: protein reca; PDBTitle: crystal structure of thermotoga maritima reca
13	c3c85A_	 Alignment		70.5	12	PDB header: transport protein Chain: A: PDB Molecule: putative glutathione-regulated potassium-efflux system PDBTitle: crystal structure of trka domain of putative glutathione-regulated2 potassium-efflux kefb from vibrio parahaemolyticus
14	d1szpa2	 Alignment		69.0	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
15	d7reqa2	 Alignment		59.2	12	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
16	c2ztsB_	 Alignment		57.4	11	PDB header: atp-binding protein Chain: B: PDB Molecule: putative uncharacterized protein ph0186; PDBTitle: crystal structure of kaic-like protein ph0186 from2 hyperthermophilic archaea pyrococcus horikoshii ot3
17	c2g1uA_	 Alignment		53.3	12	PDB header: transport protein Chain: A: PDB Molecule: hypothetical protein tm1088a; PDBTitle: crystal structure of a putative transport protein (tm1088a) from2 thermotoga maritima at 1.50 a resolution
18	d1tf7a1	 Alignment		52.0	9	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
19	c3fwzA_	 Alignment		45.9	18	PDB header: membrane protein Chain: A: PDB Molecule: inner membrane protein ybal; PDBTitle: crystal structure of trka-n domain of inner membrane protein ybal from2 escherichia coli
20	c2q6tB_	 Alignment		42.8	9	PDB header: hydrolase Chain: B: PDB Molecule: dnab replication fork helicase; PDBTitle: crystal structure of the thermus aquaticus dnab monomer
21	d1ld1a_	 Alignment	not modelled	40.8	11	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Potassium channel NAD-binding domain
22	d2ilqa2	 Alignment	not modelled	35.9	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
23	d1fmfa_	 Alignment	not modelled	34.1	14	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
24	c1szpC_	 Alignment	not modelled	33.0	13	PDB header: dna binding protein Chain: C: PDB Molecule: dna repair protein rad51; PDBTitle: a crystal structure of the rad51 filament
25	d1b74a1	 Alignment	not modelled	33.0	7	Fold: ATC-like Superfamily: Aspartate/glutamate racemase Family: Aspartate/glutamate racemase
26	d3bula2	 Alignment	not modelled	29.9	15	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
27	c3eywA_	 Alignment	not modelled	28.6	13	PDB header: transport protein Chain: A: PDB Molecule: c-terminal domain of glutathione-regulated potassium-efflux PDBTitle: crystal structure of the c-terminal domain of e. coli kefc in complex2 with keff
28	c1y80A_	 Alignment	not modelled	27.5	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: predicted cobalamin binding protein; PDBTitle: structure of a corrinoid (factor iiii)-binding protein from2 moorella thermoacetica PDB header: unknown function

29	c2w0mA	Alignment	not modelled	23.7	8	Chain: A: PDB Molecule: sso2452; PDBTitle: crystal structure of sso2452 from sulfolobus solfataricus2 p2
30	d1lssa	Alignment	not modelled	22.7	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Potassium channel NAD-binding domain
31	c3mjsA	Alignment	not modelled	22.1	11	PDB header: oxidoreductase Chain: A: PDB Molecule: amphb; PDBTitle: structure of a-type ketoreductases from modular polyketide synthase
32	c3cq0B	Alignment	not modelled	20.7	19	PDB header: transferase Chain: B: PDB Molecule: putative transaldolase ygr043c; PDBTitle: crystal structure of tal2_yeast
33	c2dfIA	Alignment	not modelled	19.1	15	PDB header: recombination Chain: A: PDB Molecule: dna repair and recombination protein rada; PDBTitle: crystal structure of left-handed rada filament
34	c3qatB	Alignment	not modelled	19.0	17	PDB header: transferase Chain: B: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of acyl-carrier-protein-s-malonyltransferase from2 bartonella henselae
35	c2zjbB	Alignment	not modelled	18.3	13	PDB header: recombination Chain: B: PDB Molecule: meiotic recombination protein dmc1/lim15 homolog; PDBTitle: crystal structure of the human dmc1-m200v polymorphic2 variant
36	c2xoaA	Alignment	not modelled	16.7	16	PDB header: metal transport Chain: A: PDB Molecule: ryanodine receptor 1; PDBTitle: crystal structure of the n-terminal three domains of the2 skeletal muscle ryanodine receptor (ryr1)
37	d1skyb3	Alignment	not modelled	15.5	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
38	c3s93B	Alignment	not modelled	15.4	12	PDB header: transcription Chain: B: PDB Molecule: tudor domain-containing protein 5; PDBTitle: crystal structure of conserved motif in tdrd5
39	d1oaia	Alignment	not modelled	15.3	26	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TAP-C domain-like
40	c3bh0A	Alignment	not modelled	15.2	9	PDB header: replication Chain: A: PDB Molecule: dnab-like replicative helicase; PDBTitle: atpase domain of g40p
41	d1go5a	Alignment	not modelled	15.1	26	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: TAP-C domain-like
42	c1yqtA	Alignment	not modelled	14.8	10	PDB header: hydrolyase/translation Chain: A: PDB Molecule: rnase I inhibitor; PDBTitle: rnase-I inhibitor
43	d1ccwa	Alignment	not modelled	14.3	12	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
44	c2vyeA	Alignment	not modelled	13.5	6	PDB header: hydrolase Chain: A: PDB Molecule: replicative dna helicase; PDBTitle: crystal structure of the dnc-ssdna complex
45	c1yodB	Alignment	not modelled	13.0	30	PDB header: de novo protein Chain: B: PDB Molecule: water-solublized phospholamban; PDBTitle: crystal structure of a water soluble analog of phospholamban
46	c2iy3A	Alignment	not modelled	12.8	16	PDB header: rna-binding Chain: A: PDB Molecule: signal recognition particle protein ffh; PDBTitle: structure of the e. coli signal recognition particle2 bound to a translating ribosome
47	d3dhwc1	Alignment	not modelled	12.7	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
48	c3io5B	Alignment	not modelled	12.4	10	PDB header: dna binding protein Chain: B: PDB Molecule: recombination and repair protein; PDBTitle: crystal structure of a dimeric form of the uvx recombinase core2 domain from enterobacteria phage t4
49	c1yodA	Alignment	not modelled	12.1	30	PDB header: de novo protein Chain: A: PDB Molecule: water-solublized phospholamban; PDBTitle: crystal structure of a water soluble analog of phospholamban
50	d3e9la1	Alignment	not modelled	12.0	50	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Prp8 beta-finger domain-like
51	d3e9oa1	Alignment	not modelled	11.9	31	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Prp8 beta-finger domain-like
52	c2yhsA	Alignment	not modelled	11.5	15	PDB header: cell cycle Chain: A: PDB Molecule: cell division protein ftsy; PDBTitle: structure of the e. coli srp receptor ftsy
53	d1t6sa1	Alignment	not modelled	11.5	6	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: ScpB/YpuH-like
54	d2g1la1	Alignment	not modelled	10.7	25	Fold: SMAD/FHA domain Superfamily: SMAD/FHA domain Family: FHA domain
55	c3e66B	Alignment	not modelled	10.6	31	PDB header: splicing Chain: B: PDB Molecule: prp8;

						PDBTitle: crystal structure of the beta-finger domain of yeast prp8
56	c3f6cB_	Alignment	not modelled	10.4	9	PDB header: dna binding protein Chain: B: PDB Molecule: positive transcription regulator evga; PDBTitle: crystal structure of n-terminal domain of positive transcription2 regulator evga from escherichia coli
57	c1vciA_	Alignment	not modelled	10.4	8	PDB header: transport protein Chain: A: PDB Molecule: sugar-binding transport atp-binding protein; PDBTitle: crystal structure of the atp-binding cassette of multisugar2 transporter from pyrococcus horikoshii ot3 complexed with3 atp
58	c2j37W_	Alignment	not modelled	10.4	7	PDB header: ribosome Chain: W: PDB Molecule: signal recognition particle 54 kda protein PDBTitle: model of mammalian srp bound to 80s rncs
59	d1nfa_	Alignment	not modelled	10.3	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
60	d2b4aa1	Alignment	not modelled	10.2	16	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
61	c3dm5A_	Alignment	not modelled	10.2	14	PDB header: rna binding protein, transport protein Chain: A: PDB Molecule: signal recognition 54 kda protein; PDBTitle: structures of srp54 and srp19, the two proteins assembling2 the ribonucleic core of the signal recognition particle3 from the archaeon pyrococcus furiosus.
62	d1oi7a1	Alignment	not modelled	10.1	14	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: CoA-binding domain
63	c2it1B_	Alignment	not modelled	9.9	6	PDB header: transport protein Chain: B: PDB Molecule: 362aa long hypothetical maltose/maltodextrin PDBTitle: structure of ph0203 protein from pyrococcus horikoshii
64	c1oxtB_	Alignment	not modelled	9.8	18	PDB header: transport protein Chain: B: PDB Molecule: abc transporter, atp binding protein; PDBTitle: crystal structure of glcv, the abc-atpase of the glucose abc2 transporter from sulfolobus solfataricus
65	d2fy8a1	Alignment	not modelled	9.8	17	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Potassium channel NAD-binding domain
66	c3r1fO_	Alignment	not modelled	9.7	17	PDB header: transcription Chain: O: PDB Molecule: esx-1 secretion-associated regulator espr; PDBTitle: crystal structure of a key regulator of virulence in mycobacterium2 tuberculosis
67	c2qy9A_	Alignment	not modelled	9.7	14	PDB header: protein transport Chain: A: PDB Molecule: cell division protein ftsy; PDBTitle: structure of the ng+1 construct of the e. coli srp receptor2 ftsy
68	c1wr4A_	Alignment	not modelled	9.7	29	PDB header: ligase Chain: A: PDB Molecule: ubiquitin-protein ligase nedd4-2; PDBTitle: solution structure of the second ww domain of nedd4-2
69	d1vpra1	Alignment	not modelled	9.7	38	Fold: Lipocalins Superfamily: Lipocalins Family: Dinoflagellate luciferase repeat
70	d1np7a2	Alignment	not modelled	9.7	13	Fold: Cryptochrome/photolyase, N-terminal domain Superfamily: Cryptochrome/photolyase, N-terminal domain Family: Cryptochrome/photolyase, N-terminal domain
71	c2d62A_	Alignment	not modelled	9.5	10	PDB header: sugar binding protein Chain: A: PDB Molecule: multiple sugar-binding transport atp-binding PDBTitle: crystal structure of multiple sugar binding transport atp-2 binding protein
72	c3pfmA_	Alignment	not modelled	9.4	40	PDB header: signaling protein Chain: A: PDB Molecule: ggdef domain protein; PDBTitle: crystal structure of a eal domain of ggdef domain protein from2 pseudomonas fluorescens pf
73	d1v5wa_	Alignment	not modelled	9.2	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
74	c1xn1A_	Alignment	not modelled	9.2	42	PDB header: viral protein Chain: A: PDB Molecule: membrane protein gp37; PDBTitle: aslv fusion peptide
75	c3t8yA_	Alignment	not modelled	9.2	11	PDB header: hydrolase Chain: A: PDB Molecule: chemotaxis response regulator protein-glutamate PDBTitle: crystal structure of the response regulator domain of thermotoga2 maritima cheb
76	c3eulB_	Alignment	not modelled	9.1	17	PDB header: transcription Chain: B: PDB Molecule: possible nitrate/nitrite response transcriptional PDBTitle: structure of the signal receiver domain of the putative2 response regulator narl from mycobacterium tuberculosis
77	d1jbea_	Alignment	not modelled	9.0	23	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
78	c3ldaA_	Alignment	not modelled	9.0	13	PDB header: dna binding protein Chain: A: PDB Molecule: dna repair protein rad51; PDBTitle: yeast rad51 h352y filament interface mutant
79	c2jp7A_	Alignment	not modelled	8.9	10	PDB header: translation Chain: A: PDB Molecule: mrna export factor mex67; PDBTitle: nmr structure of the mex67 uba domain
						PDB header: hydrolase Chain: D: PDB Molecule: exodeoxyribonuclease vii small subunit;

80	c1vp7D_	Alignment	not modelled	8.8	21	PDBTitle: crystal structure of exodeoxyribonuclease vii small subunit2 (np_881400.1) from bordetella pertussis at 2.40 a resolution
81	d1owla2	Alignment	not modelled	8.5	20	Fold: Cryptochrome/photolyase, N-terminal domain Superfamily: Cryptochrome/photolyase, N-terminal domain Family: Cryptochrome/photolyase, N-terminal domain
82	c1m7lA_	Alignment	not modelled	8.4	27	PDB header: sugar binding protein Chain: A: PDB Molecule: pulmonary surfactant-associated protein d; PDBTitle: solution structure of the coiled-coil trimerization domain2 from lung surfactant protein d
83	c2r8rB_	Alignment	not modelled	8.2	33	PDB header: transferase Chain: B: PDB Molecule: sensor protein; PDBTitle: crystal structure of the n-terminal region (19..243) of sensor protein2 kdpg from pseudomonas syringae pv. tomato str. dc3000
84	c1t4gA_	Alignment	not modelled	8.2	16	PDB header: recombination Chain: A: PDB Molecule: dna repair and recombination protein rada; PDBTitle: atpase in complex with amp-pnp
85	d1fx0a3	Alignment	not modelled	8.1	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
86	c3hv9A_	Alignment	not modelled	8.1	15	PDB header: hydrolase Chain: A: PDB Molecule: protein fimx; PDBTitle: crystal structure of fimx eal domain from pseudomonas aeruginosa
87	c3pihA_	Alignment	not modelled	8.0	20	PDB header: hydrolase/dna Chain: A: PDB Molecule: uvrabc system protein a; PDBTitle: t. maritima uvr a in complex with fluorescein-modified dna
88	c2knjA_	Alignment	not modelled	7.9	33	PDB header: antimicrobial protein Chain: A: PDB Molecule: microplusin preprotein; PDBTitle: nmr structure of microplusin a antimicrobial peptide from2 rhipicephalus (boophilus) microplus
89	c1y7pB_	Alignment	not modelled	7.8	16	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein af1403; PDBTitle: 1.9 a crystal structure of a protein of unknown function2 af1403 from archaeoglobus fulgidus, probable metabolic3 regulator
90	c2lf3A_	Alignment	not modelled	7.8	29	PDB header: signaling protein Chain: A: PDB Molecule: effector protein hopab3; PDBTitle: solution nmr structure of hoppmal_281_385 from pseudomonas syringae2 pv. maculicola str. es4326, midwest center for structural genomics3 target apc40104.5 and northeast structural genomics consortium target4 pst2a
91	c1skyE_	Alignment	not modelled	7.7	17	PDB header: atp synthase Chain: E: PDB Molecule: f1-atpase; PDBTitle: crystal structure of the nucleotide free alpha3beta3 sub-complex of2 f1-atpase from the thermophilic bacillus ps3
92	c1qzwC_	Alignment	not modelled	7.7	13	PDB header: signaling protein/rna Chain: C: PDB Molecule: signal recognition 54 kda protein; PDBTitle: crystal structure of the complete core of archaeal srp and2 implications for inter-domain communication
93	d1a8oa_	Alignment	not modelled	7.6	18	Fold: Acyl carrier protein-like Superfamily: Retrovirus capsid dimerization domain-like Family: Retrovirus capsid protein C-terminal domain
94	c2nq2C_	Alignment	not modelled	7.5	10	PDB header: metal transport Chain: C: PDB Molecule: hypothetical abc transporter atp-binding protein PDBTitle: an inward-facing conformation of a putative metal-chelate2 type abc transporter.
95	d1p6qa_	Alignment	not modelled	7.5	15	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
96	d1qrjb1	Alignment	not modelled	7.3	22	Fold: Acyl carrier protein-like Superfamily: Retrovirus capsid dimerization domain-like Family: Retrovirus capsid protein C-terminal domain
97	d1tu1a_	Alignment	not modelled	7.2	18	Fold: Mog1p/PsbP-like Superfamily: Mog1p/PsbP-like Family: PA0094-like
98	d2veaa2	Alignment	not modelled	7.2	10	Fold: Profilin-like Superfamily: GAF domain-like Family: Phytochrome-specific domain
99	c3d31B_	Alignment	not modelled	7.2	12	PDB header: transport protein Chain: B: PDB Molecule: sulfate/molybdate abc transporter, atp-binding PDBTitle: modbc from methanosarcina acetivorans