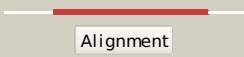
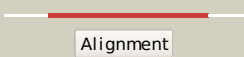
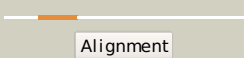
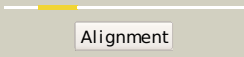
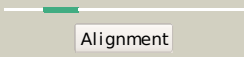
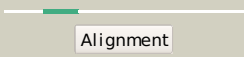
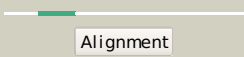
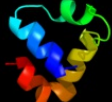
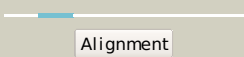
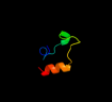
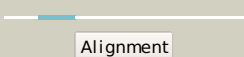
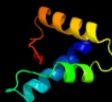
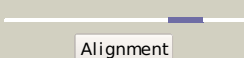
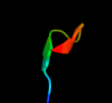
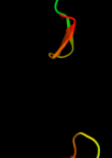
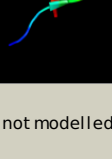


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1b7ea_	 Alignment		97.6	11	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Transposase inhibitor (Tn5 transposase)
2	d1musa_	 Alignment		97.6	12	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Transposase inhibitor (Tn5 transposase)
3	d2v9va2	 Alignment		85.5	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal fragment of elongation factor SelB
4	c2v9vA_	 Alignment		74.5	12	PDB header: transcription Chain: A: PDB Molecule: selenocysteine-specific elongation factor; PDBTitle: crystal structure of moorella thermoacetica selb(377-511)
5	d2ezha_	 Alignment		49.3	27	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
6	d2ezia_	 Alignment		47.5	27	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
7	c3hefB_	 Alignment		42.3	22	PDB header: viral protein Chain: B: PDB Molecule: gene 1 protein; PDBTitle: crystal structure of the bacteriophage sf6 terminase small2 subunit
8	c6paxA_	 Alignment		38.6	22	PDB header: gene regulation/dna Chain: A: PDB Molecule: homeobox protein pax-6; PDBTitle: crystal structure of the human pax-6 paired domain-dna2 complex reveals a general model for pax protein-dna3 interactions
9	c2plyB_	 Alignment		30.0	11	PDB header: translation/rna Chain: B: PDB Molecule: selenocysteine-specific elongation factor; PDBTitle: structure of the mrna binding fragment of elongation factor2 selb in complex with secis rna.
10	d1e8qa_	 Alignment		19.9	36	Fold: Cellulose docking domain, docking Superfamily: Cellulose docking domain, docking Family: Cellulose docking domain, docking
11	c2pfsA_	 Alignment		19.5	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: universal stress protein; PDBTitle: crystal structure of universal stress protein from nitrosomonas2 europaea

12	c2vp8A_	Alignment		17.5	18	PDB header: transferase Chain: A: PDB Molecule: dihydropteroate synthase 2; PDBTitle: structure of mycobacterium tuberculosis rv1207
13	d1pdnc_	Alignment		17.3	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
14	d1dlwa_	Alignment		16.5	11	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
15	d1ajza_	Alignment		15.6	12	Fold: TIM beta/alpha-barrel Superfamily: Dihydropteroate synthetase-like Family: Dihydropteroate synthetase
16	d2fgga1	Alignment		15.1	31	Fold: dsRBD-like Superfamily: Rv2632c-like Family: Rv2632c-like
17	c3qd7X_	Alignment		14.7	10	PDB header: hydrolase Chain: X: PDB Molecule: uncharacterized protein ydal; PDBTitle: crystal structure of ydal, a stand-alone small muts-related protein2 from escherichia coli
18	c2kvcA_	Alignment		13.0	23	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: solution structure of the mycobacterium tuberculosis protein rv0543c,2 a member of the duf3349 superfamily. seattle structural genomics3 center for infectious disease target mytud.17112.a
19	c3mx7A_	Alignment		12.9	29	PDB header: apoptosis Chain: A: PDB Molecule: fas apoptotic inhibitory molecule 1; PDBTitle: crystal structure analysis of human faim-ntd
20	c2j4mA_	Alignment		11.8	36	PDB header: protein binding Chain: A: PDB Molecule: endoglucanase 45a; PDBTitle: double dockerin from piromyces equi cel45a
21	c3aq8A_	Alignment	not modelled	11.7	4	PDB header: oxygen binding Chain: A: PDB Molecule: group 1 truncated hemoglobin; PDBTitle: crystal structure of truncated hemoglobin from tetrahymena pyriformis,2 q46e mutant, fe(iii) form
22	d1mpga1	Alignment	not modelled	11.5	14	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: DNA repair glycosylase, 2 C-terminal domains
23	d1iyxa1	Alignment	not modelled	11.3	20	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
24	d1g9ga_	Alignment	not modelled	11.1	63	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
25	c2y5sA_	Alignment	not modelled	11.0	15	PDB header: transferase Chain: A: PDB Molecule: dihydropteroate synthase; PDBTitle: crystal structure of burkholderia cenocepacia dihydropteroate2 synthase complexed with 7,8-dihydropteroate.
26	d1s69a_	Alignment	not modelled	10.9	21	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
27	c3ol4B_	Alignment	not modelled	10.9	26	PDB header: unknown function Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of a putative uncharacterized protein from2 mycobacterium smegmatis, an ortholog of rv0543c
28	d2ezla_	Alignment	not modelled	10.9	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
29	d1g9ga_	Alignment	not modelled	10.6	9	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate

29	c10Sna_	Alignment	not modelled	10.0	9	hydrolases Family: Nucleotide and nucleoside kinases
30	c1qcrD_	Alignment	not modelled	9.8	8	PDB header: PDB COMPND:
31	d3bpya1	Alignment	not modelled	9.3	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
32	d1md6a_	Alignment	not modelled	9.1	17	Fold: beta-Trefoil Superfamily: Cytokine Family: Interleukin-1 (IL-1)
33	c2rfpA_	Alignment	not modelled	9.0	13	PDB header: hydrolase Chain: A: PDB Molecule: putative ntp pyrophosphohydrolase; PDBTitle: crystal structure of putative ntp pyrophosphohydrolase2 (yp_001813558.1) from <i>exiguobacterium sibiricum</i> 255-15 at 1.74 a3 resolution
34	c1l2aD_	Alignment	not modelled	9.0	50	PDB header: hydrolase Chain: D: PDB Molecule: cellobiohydrolase; PDBTitle: the crystal structure and catalytic mechanism of2 cellobiohydrolase cels, the major enzymatic component of3 the <i>clostridium thermocellum</i> cellulosome
35	d1l1ya_	Alignment	not modelled	9.0	50	Fold: alpha/alpha toroid Superfamily: Six-hairpin glycosidases Family: Cellulases catalytic domain
36	c3rliB_	Alignment	not modelled	8.8	24	PDB header: oxidoreductase Chain: B: PDB Molecule: short-chain type dehydrogenase/reductase; PDBTitle: crystal structure of a short-chain type dehydrogenase/reductase from2 <i>mycobacterium marinum</i>
37	d1ldra_	Alignment	not modelled	8.7	7	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
38	c3gkOH_	Alignment	not modelled	8.4	20	PDB header: transferase Chain: H: PDB Molecule: pyridoxine 5'-phosphate synthase; PDBTitle: crystal structure of pyridoxal phosphate biosynthetic2 protein from <i>burkholderia pseudomallei</i>
39	c1hj0A_	Alignment	not modelled	8.3	19	PDB header: actin binding peptide Chain: A: PDB Molecule: thymosin beta9; PDBTitle: thymosin beta9
40	d2c6ya1	Alignment	not modelled	8.2	6	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
41	c2b99A_	Alignment	not modelled	8.2	18	PDB header: transferase Chain: A: PDB Molecule: riboflavin synthase; PDBTitle: crystal structure of an archaeal pentameric riboflavin2 synthase complex with a substrate analog inhibitor
42	c3cwbQ_	Alignment	not modelled	8.1	8	PDB header: oxidoreductase Chain: Q: PDB Molecule: mitochondrial cytochrome c1, heme protein; PDBTitle: chicken cytochrome bc1 complex inhibited by an iodinated analogue of2 the polyketide crocacin-d
43	c2kzvA_	Alignment	not modelled	8.0	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of cv_0373(175-257) protein from2 <i>chromobacterium violaceum</i> , northeast structural genomics consortium3 target cvr118a
44	c1e17A_	Alignment	not modelled	7.8	9	PDB header: dna binding domain Chain: A: PDB Molecule: afx; PDBTitle: solution structure of the dna binding domain of the human2 forkhead transcription factor afx (foxo4)
45	c2vdaA_	Alignment	not modelled	7.7	15	PDB header: protein transport Chain: A: PDB Molecule: translocase subunit seca; PDBTitle: solution structure of the seca-signal peptide complex
46	c3rf7A_	Alignment	not modelled	7.6	11	PDB header: oxidoreductase Chain: A: PDB Molecule: iron-containing alcohol dehydrogenase; PDBTitle: crystal structure of an iron-containing alcohol dehydrogenase2 (sden_2133) from <i>shewanella denitrificans</i> os-217 at 2.12 a resolution
47	d2abka_	Alignment	not modelled	7.6	11	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Endonuclease III
48	c3co7C_	Alignment	not modelled	7.6	13	PDB header: transcription/dna Chain: C: PDB Molecule: forkhead box protein o1; PDBTitle: crystal structure of foxo1 dbd bound to dbe2 dna
49	c2x4mD_	Alignment	not modelled	7.5	27	PDB header: hydrolase Chain: D: PDB Molecule: coagulase/fibrinolysin; PDBTitle: <i>yersinia pestis</i> plasminogen activator pla
50	c3ny0D_	Alignment	not modelled	7.4	11	PDB header: metal binding protein Chain: D: PDB Molecule: urease accessory protein uree; PDBTitle: crystal structure of uree from <i>helicobacter pylori</i> (ni2+ bound form)
51	c1p84D_	Alignment	not modelled	7.4	11	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome c1, heme protein; PDBTitle: hdbt inhibited yeast cytochrome bc1 complex
52	d1w6ta1	Alignment	not modelled	7.3	22	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
53	d2ptza1	Alignment	not modelled	7.2	14	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
54	c3hluA_	Alignment	not modelled	7.1	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein duf2179; PDBTitle: crystal structure of uncharacterized protein conserved in

						bacteria2 duf2179 from eubacterium ventriosum
55	c2kl8A_	Alignment	not modelled	7.0	14	PDB header: de novo protein Chain: A: PDB Molecule: or15; PDBTitle: solution nmr structure of de novo designed ferredoxin-like2 fold protein, northeast structural genomics consortium3 target or15
56	dlg31a_	Alignment	not modelled	7.0	20	Fold: GroES-like Superfamily: GroES-like Family: GroES
57	dlvi7a1	Alignment	not modelled	7.0	18	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: YigZ N-terminal domain-like
58	d2ilaa_	Alignment	not modelled	6.9	22	Fold: beta-Trefoil Superfamily: Cytokine Family: Interleukin-1 (IL-1)
59	dlogla_	Alignment	not modelled	6.8	18	Fold: all-alpha NTP pyrophosphatases Superfamily: all-alpha NTP pyrophosphatases Family: Type II deoxyuridine triphosphatase
60	dleveya_	Alignment	not modelled	6.6	19	Fold: TIM beta/alpha-barrel Superfamily: Dihydropteroate synthetase-like Family: Dihydropteroate synthetase
61	dlun2a_	Alignment	not modelled	6.6	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: DsbA-like
62	c2giaB_	Alignment	not modelled	6.6	63	PDB header: translation Chain: B: PDB Molecule: mitochondrial rna-binding protein 1; PDBTitle: crystal structures of trypanosoma brucei mrp1/mrp2
63	d2giab1	Alignment	not modelled	6.6	63	Fold: ssDNA-binding transcriptional regulator domain Superfamily: ssDNA-binding transcriptional regulator domain Family: Guide RNA binding protein gBP
64	dlm5wa_	Alignment	not modelled	6.5	20	Fold: TIM beta/alpha-barrel Superfamily: Pyridoxine 5'-phosphate synthase Family: Pyridoxine 5'-phosphate synthase
65	dluuza_	Alignment	not modelled	6.4	20	Fold: Inhibitor of vertebrate lysozyme, Ivy Superfamily: Inhibitor of vertebrate lysozyme, Ivy Family: Inhibitor of vertebrate lysozyme, Ivy
66	c3a52A_	Alignment	not modelled	6.3	18	PDB header: hydrolase Chain: A: PDB Molecule: cold-active alkaline phosphatase; PDBTitle: crystal structure of cold-active alkaline phosphatase from2 psychrophile shewanella sp.
67	c2jpiA_	Alignment	not modelled	6.3	20	PDB header: structural genomics Chain: A: PDB Molecule: hypothetical protein; PDBTitle: chemical shift assignments of pa4090 from pseudomonas2 aeruginosa
68	c3emkA_	Alignment	not modelled	6.3	25	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose/ribitol dehydrogenase; PDBTitle: 2.5a crystal structure of glucose/ribitol dehydrogenase2 from brucella melitensis
69	c3nswA_	Alignment	not modelled	6.2	60	PDB header: immune system Chain: A: PDB Molecule: excretory-secretory protein 2; PDBTitle: crystal structure of ancylostoma ceylanicum excretory-secretory2 protein 2
70	c3k6qB_	Alignment	not modelled	6.2	14	PDB header: ligand binding protein Chain: B: PDB Molecule: putative ligand binding protein; PDBTitle: crystal structure of an antitoxin part of a putative toxin/antitoxin2 system (swol_0700) from syntrophomonas wolfei subsp. wolfei at 1.80 a3 resolution
71	c3e2dB_	Alignment	not modelled	6.1	14	PDB header: hydrolase Chain: B: PDB Molecule: alkaline phosphatase; PDBTitle: the 1.4 a crystal structure of the large and cold-active2 vibrio sp. alkaline phosphatase
72	c2iucB_	Alignment	not modelled	6.1	25	PDB header: hydrolase Chain: B: PDB Molecule: alkaline phosphatase; PDBTitle: structure of alkaline phosphatase from the antarctic2 bacterium tab5
73	c2zqeA_	Alignment	not modelled	6.1	19	PDB header: dna binding protein Chain: A: PDB Molecule: muts2 protein; PDBTitle: crystal structure of the smr domain of thermus thermophilus muts2
74	dlldya_	Alignment	not modelled	6.0	12	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
75	clldya_	Alignment	not modelled	6.0	12	PDB header: oxygen storage/transport Chain: A: PDB Molecule: hemoglobin; PDBTitle: x-ray crystal structure of hemoglobin from the green2 unicellular alga chlamydomonas eugametos
76	d2a22a1	Alignment	not modelled	6.0	20	Fold: Metallo-dependent phosphatases Superfamily: Metallo-dependent phosphatases Family: YfCE-like
77	c2j66A_	Alignment	not modelled	6.0	15	PDB header: lyase Chain: A: PDB Molecule: btrk; PDBTitle: structural characterisation of btrk decarboxylase from2 butirosin biosynthesis
78	clgmuB_	Alignment	not modelled	6.0	9	PDB header: metallochaperone Chain: B: PDB Molecule: uree; PDBTitle: structure of uree
79	c3g73A_	Alignment	not modelled	5.9	17	PDB header: transcription/dna Chain: A: PDB Molecule: forkhead box protein m1; PDBTitle: structure of the foxm1 dna binding
80	c3pk0B_	Alignment	not modelled	5.9	16	PDB header: oxidoreductase Chain: B: PDB Molecule: short-chain dehydrogenase/reductase sdr; PDBTitle: crystal structure of short-chain dehydrogenase/reductase

					sdr from2 mycobacterium smegmatis
81	d2o0ma1	Alignment	not modelled	5.9	16 Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: SorC sugar-binding domain-like
82	c2o0mA	Alignment	not modelled	5.9	16 PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, sorc family; PDBTitle: the crystal structure of the putative sorc family transcriptional2 regulator from enterococcus faecalis
83	d1pcna1	Alignment	not modelled	5.9	36 Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Colipase-like Family: Colipase-like
84	c1c94B	Alignment	not modelled	5.8	63 PDB header: gene regulation Chain: B: PDB Molecule: retro-gcn4 leucine zipper; PDBTitle: reversing the sequence of the gcn4 leucine zipper does not2 affect its fold.
85	d2czda1	Alignment	not modelled	5.8	28 Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Decarboxylase
86	c3a44D	Alignment	not modelled	5.8	0 PDB header: metal binding protein Chain: D: PDB Molecule: hydrogenase nickel incorporation protein hypa; PDBTitle: crystal structure of hypa in the dimeric form
87	d1xb4a2	Alignment	not modelled	5.8	8 Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
88	d1ha7a	Alignment	not modelled	5.7	16 Fold: Globin-like Superfamily: Globin-like Family: Phycocyanin-like phycobilisome proteins
89	d1d5va	Alignment	not modelled	5.7	11 Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
90	d1qpma	Alignment	not modelled	5.7	14 Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Excisionase-like
91	c3i0aA	Alignment	not modelled	5.6	11 PDB header: transferase Chain: A: PDB Molecule: spectinomycin phosphotransferase; PDBTitle: crystal structure of spectinomycin phosphotransferase,2 aph(9)-Ia, in complex with adp and spectinomycin
92	c2z1nA	Alignment	not modelled	5.6	26 PDB header: oxidoreductase Chain: A: PDB Molecule: dehydrogenase; PDBTitle: crystal structure of ape0912 from aeropyrum pernix k1
93	d1k92a2	Alignment	not modelled	5.6	36 Fold: Argininosuccinate synthetase, C-terminal domain Superfamily: Argininosuccinate synthetase, C-terminal domain Family: Argininosuccinate synthetase, C-terminal domain
94	d1yqea1	Alignment	not modelled	5.6	13 Fold: Phosphorylase/hydrolase-like Superfamily: AF0625-like Family: AF0625-like
95	c3douA	Alignment	not modelled	5.5	21 PDB header: transferase Chain: A: PDB Molecule: ribosomal rna large subunit methyltransferase j; PDBTitle: crystal structure of methyltransferase involved in cell2 division from thermoplasma volcanicum gss1
96	c2l0eA	Alignment	not modelled	5.5	15 PDB header: membrane protein Chain: A: PDB Molecule: sodium/hydrogen exchanger 1; PDBTitle: structural and functional analysis of tm vi of the nhe1 isoform of the2 na+/h+ exchanger
97	d1rh6a	Alignment	not modelled	5.5	15 Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Excisionase-like
98	d1cyda	Alignment	not modelled	5.4	22 Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
99	d1xi8a3	Alignment	not modelled	5.4	23 Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like