

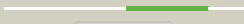
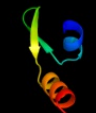









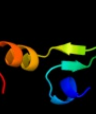





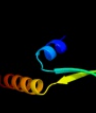






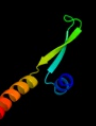




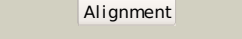
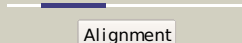

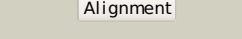
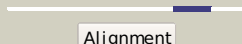
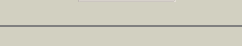
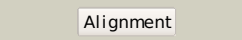

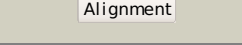

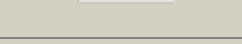


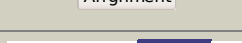

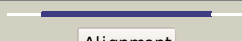


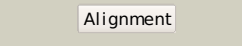
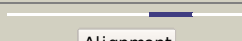
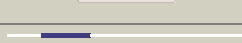
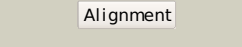


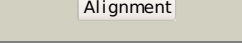


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2dqlA_	 Alignment		62.2	14	PDB header: circadian clock protein Chain: A: PDB Molecule: pex protein; PDBTitle: crystal structure of the circadian clock associated protein2 pex from anabaena
2	d2esha1	 Alignment		57.2	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PadR-like
3	c3l7wA_	 Alignment		49.3	15	PDB header: transcription Chain: A: PDB Molecule: putative uncharacterized protein smu.1704; PDBTitle: the crystal structure of smu.1704 from streptococcus mutans ua159
4	c3elkA_	 Alignment		47.9	30	PDB header: transcription regulator Chain: A: PDB Molecule: putative transcriptional regulator ta0346; PDBTitle: crystal structure of putative transcriptional regulator ta0346 from2 thermoplasma acidophilum
5	c2y75F_	 Alignment		46.8	16	PDB header: transcription Chain: F: PDB Molecule: hth-type transcriptional regulator cymr; PDBTitle: the structure of cymr (yrzc) the global cysteine regulator2 of b. subtilis
6	c2e1nA_	 Alignment		46.2	19	PDB header: circadian clock protein Chain: A: PDB Molecule: pex; PDBTitle: crystal structure of the cyanobacterium circadian clock modifier pex
7	c3b73A_	 Alignment		45.3	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phih1 repressor-like protein; PDBTitle: crystal structure of the phih1 repressor-like protein from2 haloarcula marismortui
8	c3l9fD_	 Alignment		40.9	26	PDB header: transcription regulator Chain: D: PDB Molecule: putative uncharacterized protein smu.1604c; PDBTitle: the crystal structure of smu.1604c from streptococcus mutans ua159
9	d2fbia1	 Alignment		36.7	8	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
10	d1ub9a_	 Alignment		33.0	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
11	d1ylfa1	 Alignment		29.8	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Transcriptional regulator Rrf2

12	dlyg2a_	Alignment		29.3	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PadR-like
13	d1r7ja_	Alignment		27.9	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Archaeal DNA-binding protein
14	c3k69A_	Alignment		27.7	13	PDB header: transcription Chain: A: PDB Molecule: putative transcription regulator; PDBTitle: crystal structure of a putative transcriptional regulator (lp_0360)2 from lactobacillus plantarum at 1.95 a resolution
15	c3rheA_	Alignment		25.6	10	PDB header: oxidoreductase Chain: A: PDB Molecule: nad-dependent benzaldehyde dehydrogenase; PDBTitle: the crystal structure of nad-dependent benzaldehyde dehydrogenase from2 legionella pneumophila
16	c3hhhA_	Alignment		24.8	13	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, padr family; PDBTitle: crystal structure of transcriptional regulator, a member of padr2 family, from enterococcus faecalis v583
17	c3f8fA_	Alignment		22.8	10	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, padr-like family; PDBTitle: crystal structure of multidrug binding transcriptional regulator lmrr2 complexed with daunomycin
18	c3oe3B_	Alignment		20.2	13	PDB header: hydrolase inhibitor Chain: B: PDB Molecule: putative periplasmic protein; PDBTitle: crystal structure of plic-st, periplasmic lysozyme inhibitor of c-type2 lysozyme from salmonella typhimurium
19	c3e6mD_	Alignment		20.0	8	PDB header: transcription regulator Chain: D: PDB Molecule: marr family transcriptional regulator; PDBTitle: the crystal structure of a marr family transcriptional2 regulator from silicibacter pomeroyi dss.
20	c3ri2B_	Alignment		19.0	19	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator, padr-like family; PDBTitle: crystal structure of padr family transcriptional regulator from2 eggerthella lenta dsm 2243
21	d1njha_	Alignment	not modelled	18.4	38	Fold: Hypothetical protein YojF Superfamily: Hypothetical protein YojF Family: Hypothetical protein YojF
22	c3lwfD_	Alignment	not modelled	17.7	26	PDB header: transcription regulator Chain: D: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of putative transcriptional regulator (np_470886.1)2 from listeria innocua at 2.06 a resolution
23	c3nquA_	Alignment	not modelled	17.4	16	PDB header: dna binding protein Chain: A: PDB Molecule: histone h3-like centromeric protein a; PDBTitle: crystal structure of partially trypsinized (cenp-a/h4)2 heterotetramer
24	d1xmaa_	Alignment	not modelled	16.2	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PadR-like
25	c1xmaA_	Alignment	not modelled	16.2	13	PDB header: transcription Chain: A: PDB Molecule: predicted transcriptional regulator; PDBTitle: structure of a transcriptional regulator from clostridium thermocellum2 cth-833
26	d2fbha1	Alignment	not modelled	16.1	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
27	c2v79B_	Alignment	not modelled	16.0	16	PDB header: dna-binding protein Chain: B: PDB Molecule: dna replication protein dnad; PDBTitle: crystal structure of the n-terminal domain of dnad from2 bacillus subtilis
28	c3nqiA_	Alignment	not modelled	15.1	16	PDB header: dna binding protein Chain: A: PDB Molecule: histone h3-like centromeric protein a; PDBTitle: crystal structure of (cenp-a/h4)2 heterotetramer
						PDB header: gene regulation

29	c1g3wA_	Alignment	not modelled	14.6	9	Chain: A: PDB Molecule: diphtheria toxin repressor; PDBTitle: cd-cys102ser dtxr
30	c1fx7C_	Alignment	not modelled	14.5	3	PDB header: signaling protein Chain: C: PDB Molecule: iron-dependent repressor ider; PDBTitle: crystal structure of the iron-dependent regulator (ider)2 from mycobacterium tuberculosis
31	c2h09A_	Alignment	not modelled	14.5	16	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator mntr; PDBTitle: crystal structure of diphtheria toxin repressor like protein2 from e. coli
32	d1lj9a_	Alignment	not modelled	14.0	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
33	c2hw4A_	Alignment	not modelled	13.2	26	PDB header: structural genomics, hydrolase Chain: A: PDB Molecule: 14 kda phosphohistidine phosphatase; PDBTitle: crystal structure of human phosphohistidine phosphatase
34	d2etha1	Alignment	not modelled	13.1	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
35	d1oj5a_	Alignment	not modelled	12.8	14	Fold: Profilin-like Superfamily: PYP-like sensor domain (PAS domain) Family: PAS domain of steroid receptor coactivator 1A, NCoA1
36	d1bmlc3	Alignment	not modelled	12.3	19	Fold: beta-Grasp (ubiquitin-like) Superfamily: Staphylokinase/streptokinase Family: Staphylokinase/streptokinase
37	c1f5tA_	Alignment	not modelled	12.0	6	PDB header: transcription/dna Chain: A: PDB Molecule: diphtheria toxin repressor; PDBTitle: diphtheria tox repressor (c102d mutant) complexed with2 nickel and dtxr consensus binding sequence
38	d1w8ia_	Alignment	not modelled	11.8	30	Fold: PIN domain-like Superfamily: PIN domain-like Family: PIN domain
39	c3tbiB_	Alignment	not modelled	11.8	37	PDB header: transcription Chain: B: PDB Molecule: dna-directed rna polymerase subunit beta; PDBTitle: crystal structure of t4 gp33 bound to e. coli rnap beta-flap domain
40	d2bv6a1	Alignment	not modelled	11.5	8	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
41	d2hw4a1	Alignment	not modelled	10.9	42	Fold: PHP14-like Superfamily: PHP14-like Family: Janus/Ocnus
42	d1q0qa3	Alignment	not modelled	10.5	29	Fold: FwdE/GAPDH domain-like Superfamily: Glyceraldehyde-3-phosphate dehydrogenase-like, C-terminal domain Family: Dihydrodipicolinate reductase-like
43	d1k8wa3	Alignment	not modelled	10.4	11	Fold: PUA domain-like Superfamily: PUA domain-like Family: PUA domain
44	d2a61a1	Alignment	not modelled	10.3	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
45	d1kuta_	Alignment	not modelled	10.1	18	Fold: SAICAR synthase-like Superfamily: SAICAR synthase-like Family: SAICAR synthase
46	c2k06A_	Alignment	not modelled	9.8	18	PDB header: transcription Chain: A: PDB Molecule: transcription antitermination protein nusg; PDBTitle: solution structure of the aminoterminal domain of e. coli2 nusg
47	c2oqgA_	Alignment	not modelled	9.7	33	PDB header: transcription Chain: A: PDB Molecule: possible transcriptional regulator, arsr family protein; PDBTitle: arsr-like transcriptional regulator from rhodococcus sp. rha1
48	c1t98B_	Alignment	not modelled	9.6	12	PDB header: cell cycle Chain: B: PDB Molecule: chromosome partition protein mukf; PDBTitle: crystal structure of mukf(1-287)
49	c2it0A_	Alignment	not modelled	9.5	3	PDB header: transcription/dna Chain: A: PDB Molecule: iron-dependent repressor ider; PDBTitle: crystal structure of a two-domain ider-dna complex crystal2 form ii
50	c2k4bA_	Alignment	not modelled	9.4	18	PDB header: dna binding protein Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: copr repressor structure
51	c2yu3A_	Alignment	not modelled	9.3	50	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase iii 39 kda PDBTitle: solution structure of the domain swapped wingedhelix in dna-2 directed rna polymerase iii 39 kda polypeptide
52	d2fbla1	Alignment	not modelled	9.0	18	Fold: CYTH-like phosphatases Superfamily: CYTH-like phosphatases Family: CYTH domain
53	c2zxjB_	Alignment	not modelled	8.7	24	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein walr; PDBTitle: crystal structure of yycf dna-binding domain from staphylococcus2 aureus
54	c3f6vA_	Alignment	not modelled	8.6	24	PDB header: transcription regulator Chain: A: PDB Molecule: possible transcriptional regulator, arsr family PDBTitle: crystal structure of possible transcriptional regulator for2 arsenical resistance
						PDB header: transcription

55	c3hruA_		Alignment	not modelled	8.4	23	Chain: A: PDB Molecule: metallorepressor scar; PDBTitle: crystal structure of scar with bound zn2+
56	d2obpa1		Alignment	not modelled	8.1	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: ReutB4095-like
57	c3g3za_		Alignment	not modelled	7.8	11	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, marr family; PDBTitle: the structure of nmb1585, a marr family regulator from neisseria2 meningitidis
58	d2foka2		Alignment	not modelled	7.7	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Restriction endonuclease FokI, N-terminal (recognition) domain
59	c3h3hA_		Alignment	not modelled	7.5	17	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized snoal-like protein; PDBTitle: crystal structure of a snoal-like protein of unknown function2 (bth_ji0226) from burkholderia thailandensis e264 at 1.60 a3 resolution
60	c3bpxB_		Alignment	not modelled	7.5	20	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator; PDBTitle: crystal structure of marr
61	c3f6oB_		Alignment	not modelled	7.3	18	PDB header: transcription regulator Chain: B: PDB Molecule: probable transcriptional regulator, arsr family PDBTitle: crystal structure of arsr family transcriptional regulator,2 rha00566
62	c2rnjA_		Alignment	not modelled	6.9	40	PDB header: transcription Chain: A: PDB Molecule: response regulator protein vrar; PDBTitle: nmr structure of the s. aureus vrar dna binding domain
63	d1p4xa1		Alignment	not modelled	6.6	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
64	d2v7fa1		Alignment	not modelled	6.6	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Rps19E-like
65	d1gxqa_		Alignment	not modelled	6.4	27	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like
66	c2gxgA_		Alignment	not modelled	6.4	15	PDB header: transcription Chain: A: PDB Molecule: 146aa long hypothetical transcriptional regulator; PDBTitle: crystal structure of emrr homolog from hyperthermophilic archaea2 sulfobolus tokodaii strain7
67	c2h31A_		Alignment	not modelled	6.4	10	PDB header: ligase, lyase Chain: A: PDB Molecule: multifunctional protein ade2; PDBTitle: crystal structure of human paics, a bifunctional carboxylase and2 synthetase in purine biosynthesis
68	d1xd7a_		Alignment	not modelled	6.3	24	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Transcriptional regulator Rrf2
69	d2cfxa1		Alignment	not modelled	6.1	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
70	d2dk5a1		Alignment	not modelled	6.1	53	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: RPO3F domain-like
71	d3bwga1		Alignment	not modelled	6.0	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
72	d1r0ka3		Alignment	not modelled	5.8	29	Fold: FwdE/GAPDH domain-like Superfamily: Glyceraldehyde-3-phosphate dehydrogenase-like, C-terminal domain Family: Dihydrodipicolinate reductase-like
73	c3euhB_		Alignment	not modelled	5.8	13	PDB header: cell cycle Chain: B: PDB Molecule: chromosome partition protein mukf; PDBTitle: crystal structure of the muke-mukf complex
74	c3kreA_		Alignment	not modelled	5.7	19	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylaminoimidazole-succinocarboxamide synthase; PDBTitle: crystal structure of phosphoribosylaminoimidazole-succinocarboxamide2 synthase from ehrlichia chaffeensis at 1.8a resolution
75	d1m15a1		Alignment	not modelled	5.6	46	Fold: Guanido kinase N-terminal domain Superfamily: Guanido kinase N-terminal domain Family: Guanido kinase N-terminal domain
76	c2kfsA_		Alignment	not modelled	5.6	18	PDB header: dna-binding protein Chain: A: PDB Molecule: conserved hypothetical regulatory protein; PDBTitle: nmr structure of rv2175c
77	c3iz6S_		Alignment	not modelled	5.5	10	PDB header: ribosome Chain: S: PDB Molecule: 40s ribosomal protein s19 (s19e); PDBTitle: localization of the small subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
78	c2eghA_		Alignment	not modelled	5.4	29	PDB header: oxidoreductase Chain: A: PDB Molecule: 1-deoxy-d-xylulose 5-phosphate reductoisomerase; PDBTitle: crystal structure of 1-deoxy-d-xylulose 5-phosphate reductoisomerase2 complexed with a magnesium ion, nadph and fosmidomycin
79	d1z91a1		Alignment	not modelled	5.2	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
							Fold: Cvstatin-like

80	d3dxa1	Alignment	not modelled	5.1	25	Superfamily: NTF2-like Family: Atu0744-like
81	dlzyba1	Alignment	not modelled	5.1	28	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: CAP C-terminal domain-like
82	dlcrka1	Alignment	not modelled	5.1	17	Fold: Guanido kinase N-terminal domain Superfamily: Guanido kinase N-terminal domain Family: Guanido kinase N-terminal domain