


























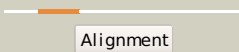
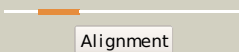
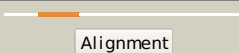

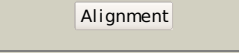
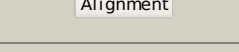
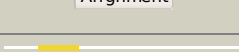




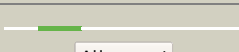
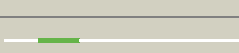


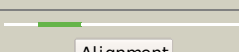
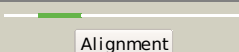
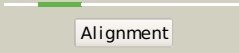
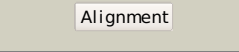
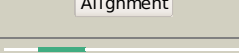
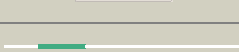

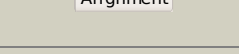
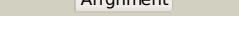



#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2zxjB_	 Alignment		99.9	15	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein walr; PDBTitle: crystal structure of yycf dna-binding domain from staphylococcus2 aureus
2	d1opca_	 Alignment		99.9	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like
3	c2hwwA_	 Alignment		99.9	13	PDB header: transcription Chain: A: PDB Molecule: dna-binding response regulator vicr; PDBTitle: crystal structure of an essential response regulator dna binding2 domain, vicrc in enterococcus faecalis, a member of the yycf3 subfamily.
4	c2pmuD_	 Alignment		99.8	19	PDB header: transcription regulation Chain: D: PDB Molecule: response regulator phop; PDBTitle: crystal structure of the dna-binding domain of phop
5	c3q9vB_	 Alignment		99.8	17	PDB header: dna binding protein Chain: B: PDB Molecule: dna-binding response regulator; PDBTitle: crystal structure of rra c-terminal domain(123-221) from deinococcus2 radiodurans
6	d1p2fa1	 Alignment		99.8	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like
7	d1gxqa_	 Alignment		99.8	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like
8	c2jzyA_	 Alignment		99.8	19	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein pcor; PDBTitle: solution structure of c-terminal effector domain of 2 putative two-component-system response regulator involved3 in copper resistance from klebsiella pneumoniae
9	c2hqnA_	 Alignment		99.8	21	PDB header: signaling protein Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: structure of a atypical orphan response regulator protein revealed a2 new phosphorylation-independent regulatory mechanism
10	c2k4jA_	 Alignment		99.8	15	PDB header: transcription Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: arsr dna binding domain
11	d1kgsa1	 Alignment		99.8	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like

12	dlys7a1	Alignment		99.8	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like
13	c2oqrA	Alignment		99.7	19	PDB header: transcription,signaling protein Chain: A: PDB Molecule: sensory transduction protein regx3; PDBTitle: the structure of the response regulator regx3 from mycobacterium2 tuberculosis
14	clys7B	Alignment		99.7	26	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulatory protein prra; PDBTitle: crystal structure of the response regulator protein prra complexed with2 mg2+
15	d2ff4a1	Alignment		99.6	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: PhoB-like
16	c2hqrA	Alignment		99.6	23	PDB header: signaling protein Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: structure of a atypical orphan response regulator protein revealed a2 new phosphorylation-independent regulatory mechanism
17	c2qwrA	Alignment		99.5	18	PDB header: signaling protein Chain: A: PDB Molecule: dna-binding response regulator mtra; PDBTitle: crystal structure of the response regulator protein mtra from2 mycobacterium tuberculosis
18	c1p2fA	Alignment		99.4	16	PDB header: transcription Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure analysis of response regulator drrb, a2 thermotoga maritima ompR/phoB homolog
19	c3r0jA	Alignment		99.4	18	PDB header: dna binding protein Chain: A: PDB Molecule: possible two component system response transcriptional PDBTitle: structure of phop from mycobacterium tuberculosis
20	c1kgsA	Alignment		99.1	17	PDB header: dna binding protein Chain: A: PDB Molecule: dna binding response regulator d; PDBTitle: crystal structure at 1.50 a of an ompR/phoB homolog from thermotoga2 maritima
21	c2ff4B	Alignment	not modelled	99.1	18	PDB header: transcription Chain: B: PDB Molecule: probable regulatory protein embr; PDBTitle: mycobacterium tuberculosis embr in complex with low affinity2 phosphopeptide
22	c3q9sA	Alignment	not modelled	98.7	18	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding response regulator; PDBTitle: crystal structure of rra(1-215) from deinococcus radiodurans
23	d1biaa1	Alignment	not modelled	96.0	24	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Biotin repressor-like
24	c2ewnA	Alignment	not modelled	95.6	21	PDB header: ligase, transcription Chain: A: PDB Molecule: bira bifunctional protein; PDBTitle: ecoli biotin repressor with co-repressor analog
25	d1j5ya1	Alignment	not modelled	91.3	22	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Biotin repressor-like
26	d1o57a1	Alignment	not modelled	88.9	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: N-terminal domain of Bacillus PurR
27	c3k69A	Alignment	not modelled	86.6	10	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
28	c1j5yA	Alignment	not modelled	86.6	24	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, biotin repressor family; PDBTitle: crystal structure of transcriptional regulator (tm1602) from2 thermotoga maritima at 2.3 a resolution

29	c2fu4B	 Alignment	not modelled	83.5	22	PDB header: dna binding protein Chain: B: PDB Molecule: ferric uptake regulation protein; PDBTitle: crystal structure of the dna binding domain of e.coli fur (ferric2 uptake regulator)
30	c2w57A	 Alignment	not modelled	82.9	14	PDB header: metal transport Chain: A: PDB Molecule: ferric uptake regulation protein; PDBTitle: crystal structure of the vibrio cholerae ferric uptake2 regulator (fur) reveals structural rearrangement of the3 dna-binding domains
31	c3r0aB	 Alignment	not modelled	82.8	9	PDB header: transcription regulator Chain: B: PDB Molecule: putative transcriptional regulator; PDBTitle: possible transcriptional regulator from methanosarcina mazei go1 (gi2 21227196)
32	c3klnC	 Alignment	not modelled	82.6	16	PDB header: transcription Chain: C: PDB Molecule: transcriptional regulator, luxr family; PDBTitle: vibrio cholerae vpst
33	d1mzba	 Alignment	not modelled	82.0	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: FUR-like
34	c2fe3B	 Alignment	not modelled	75.4	18	PDB header: dna binding protein Chain: B: PDB Molecule: peroxide operon regulator; PDBTitle: the crystal structure of bacillus subtilis perr-zn reveals a novel2 zn(cys)4 structural redox switch
35	c2xigA	 Alignment	not modelled	71.6	6	PDB header: transcription Chain: A: PDB Molecule: ferric uptake regulation protein; PDBTitle: the structure of the helicobacter pylori ferric uptake2 regulator fur reveals three functional metal binding sites
36	c3mwmA	 Alignment	not modelled	70.7	17	PDB header: transcription Chain: A: PDB Molecule: putative metal uptake regulation protein; PDBTitle: graded expression of zinc-responsive genes through two regulatory2 zinc-binding sites in zur
37	d1ylfa1	 Alignment	not modelled	70.0	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Transcriptional regulator Rrf2
38	c2o03A	 Alignment	not modelled	69.3	17	PDB header: gene regulation Chain: A: PDB Molecule: probable zinc uptake regulation protein furb; PDBTitle: crystal structure of furb from m. tuberculosis- a zinc uptake2 regulator
39	c3qp5C	 Alignment	not modelled	67.6	9	PDB header: transcription Chain: C: PDB Molecule: cvir transcriptional regulator; PDBTitle: crystal structure of cvir bound to antagonist chlorolactone (cl)
40	c3sqnB	 Alignment	not modelled	63.5	21	PDB header: transcription regulator Chain: B: PDB Molecule: conserved domain protein; PDBTitle: putative mga family transcriptional regulator from enterococcus2 faecalis
41	c2q0aA	 Alignment	not modelled	58.7	14	PDB header: transcription Chain: A: PDB Molecule: probable transcriptional activator protein trar; PDBTitle: crystal structure of an anti-activation complex in bacterial quorum2 sensing
42	c1p4xA	 Alignment	not modelled	56.3	9	PDB header: transcription Chain: A: PDB Molecule: staphylococcal accessory regulator a homologue; PDBTitle: crystal structure of sars protein from staphylococcus aureus
43	c1h0mD	 Alignment	not modelled	54.9	14	PDB header: transcription/dna Chain: D: PDB Molecule: transcriptional activator protein trar; PDBTitle: three-dimensional structure of the quorum sensing protein2 trar bound to its autoinducer and to its target dna
44	c3by6C	 Alignment	not modelled	54.5	15	PDB header: transcription regulator Chain: C: PDB Molecule: predicted transcriptional regulator; PDBTitle: crystal structure of a transcriptional regulator from oenococcus oeni
45	c3sztB	 Alignment	not modelled	54.4	14	PDB header: transcription Chain: B: PDB Molecule: quorum-sensing control repressor; PDBTitle: quorum sensing control repressor, qscr, bound to n-3-oxo-dodecanoyl-l-2 homoserine lactone
46	d1l3la1	 Alignment	not modelled	53.9	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: GerE-like (LuxR/UhpA family of transcriptional regulators)
47	c1zn2A	 Alignment	not modelled	51.9	18	PDB header: transcription regulator Chain: A: PDB Molecule: response regulatory protein; PDBTitle: low resolution structure of response regulator styr
48	c2is9A	 Alignment	not modelled	51.3	20	PDB header: transcription Chain: A: PDB Molecule: defective in cullin neddylation protein 1; PDBTitle: structure of yeast dcn-1
49	d1hwlal	 Alignment	not modelled	51.1	4	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
50	d1okra	 Alignment	not modelled	49.1	4	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Penicillinase repressor
51	c3kevA	 Alignment	not modelled	48.2	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: galieria sulfuraria dcun1 domain-containing protein; PDBTitle: x-ray crystal structure of a dcun1 domain-containing protein from2 galdieria sulfuraria
52	c3c3wB	 Alignment	not modelled	48.2	20	PDB header: transcription Chain: B: PDB Molecule: two component transcriptional regulatory protein devr; PDBTitle: crystal structure of the mycobacterium tuberculosis hypoxic response2 regulator dosr
53	c3c7jA	 Alignment	not modelled	47.0	13	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, gntR family; PDBTitle: crystal structure of transcriptional regulator (gntR family

						member)2 from pseudomonas syringae pv. tomato str. dc3000
54	c1o57A_	Alignment	not modelled	46.2	19	PDB header: dna binding protein Chain: A: PDB Molecule: pur operon repressor; PDBTitle: crystal structure of the purine operon repressor of2 bacillus subtilis
55	c3neuA_	Alignment	not modelled	45.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: lin1836 protein; PDBTitle: the crystal structure of a functionally-unknown protein lin1836 from2 listeria innocua clip11262
56	c3eyyA_	Alignment	not modelled	45.0	14	PDB header: transport Chain: A: PDB Molecule: putative iron uptake regulatory protein; PDBTitle: structural basis for the specialization of nur, a nickel-2 specific fur homologue, in metal sensing and dna3 recognition
57	c1rnlA_	Alignment	not modelled	44.9	14	PDB header: signal transduction protein Chain: A: PDB Molecule: nitrate/nitrite response regulator protein narl; PDBTitle: the nitrate/nitrite response regulator protein narl from narl
58	d1hsja1	Alignment	not modelled	44.8	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
59	c3ecoB_	Alignment	not modelled	44.6	17	PDB header: transcription Chain: B: PDB Molecule: mepr; PDBTitle: crystal structure of mepr, a transcription regulator of the2 staphylococcus aureus multidrug efflux pump mepa
60	d1a04a1	Alignment	not modelled	43.8	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: GerE-like (LuxR/UhpA family of transcriptional regulators)
61	d3broa1	Alignment	not modelled	43.5	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
62	d1p4xa2	Alignment	not modelled	43.2	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
63	c3bwgA_	Alignment	not modelled	40.4	13	PDB header: transcription regulator Chain: A: PDB Molecule: uncharacterized hth-type transcriptional regulator yydk; PDBTitle: the crystal structure of possible transcriptional regulator yydk from2 bacillus subtilis subsp. subtilis str. 168
64	d3bwga1	Alignment	not modelled	40.3	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
65	c3ihuA_	Alignment	not modelled	38.7	13	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, gntR family; PDBTitle: crystal structure of dna binding protein (yp_298823.1) from ralstonia2 eutropha jmp134 at 1.92 a resolution
66	d2hs5a1	Alignment	not modelled	38.5	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
67	c3edpB_	Alignment	not modelled	38.3	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: lin2111 protein; PDBTitle: the crystal structure of the protein lin2111 (functionally unknown)2 from listeria innocua clip11262
68	d2frha1	Alignment	not modelled	38.0	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
69	c1zljE_	Alignment	not modelled	35.7	20	PDB header: transcription Chain: E: PDB Molecule: dormancy survival regulator; PDBTitle: crystal structure of the mycobacterium tuberculosis hypoxic2 response regulator dosr c-terminal domain
70	d2d1ha1	Alignment	not modelled	35.6	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: TrmB-like
71	d1yioa1	Alignment	not modelled	34.8	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: GerE-like (LuxR/UhpA family of transcriptional regulators)
72	d1fsea_	Alignment	not modelled	33.8	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: GerE-like (LuxR/UhpA family of transcriptional regulators)
73	c2y75F_	Alignment	not modelled	33.8	12	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
74	d1p4xa1	Alignment	not modelled	33.6	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
75	d1p4wa_	Alignment	not modelled	33.4	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: C-terminal effector domain of the bipartite response regulators Family: GerE-like (LuxR/UhpA family of transcriptional regulators)
76	d1stza1	Alignment	not modelled	33.0	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Heat-inducible transcription repressor HrcA, N-terminal domain
77	c2di3A_	Alignment	not modelled	32.0	17	PDB header: transcription Chain: A: PDB Molecule: bacterial regulatory proteins, gntR family; PDBTitle: crystal structure of the transcriptional factor cgl29152 from corynebacterium glutamicum
78	c3ic7A_	Alignment	not modelled	29.4	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of putative transcriptional regulator of gntR family2 from bacteroides thetaiotaomicron
79	c1e2xA_	Alignment	not modelled	29.3	6	PDB header: transcriptional regulation Chain: A: PDB Molecule: fatty acid metabolism regulator protein;

79	c1g2aA_	Alignment	not modelled	29.3	0	PDBTitle: fadr, fatty acid responsive transcription factor from e.2 coli
80	c2rnjA_	Alignment	not modelled	29.3	18	PDB header: transcription Chain: A: PDB Molecule: response regulator protein vvar; PDBTitle: nmr structure of the s. aureus vvar dna binding domain
81	c1x3uA_	Alignment	not modelled	24.1	11	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein fixj; PDBTitle: solution structure of the c-terminal transcriptional2 activator domain of fixj from sinorhizobium melilot
82	c2k4bA_	Alignment	not modelled	22.3	4	PDB header: dna binding protein Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: copr repressor structure
83	c3ctzA_	Alignment	not modelled	22.3	11	PDB header: hydrolase Chain: A: PDB Molecule: xaa-pro aminopeptidase 1; PDBTitle: structure of human cytosolic x-prolyl aminopeptidase
84	d1v4ra1	Alignment	not modelled	21.6	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
85	c2wv0H_	Alignment	not modelled	21.3	4	PDB header: transcription Chain: H: PDB Molecule: hth-type transcriptional repressor yvoa; PDBTitle: crystal structure of the gntR-hutC family member yvoa from2 bacillus subtilis
86	c3cloC_	Alignment	not modelled	21.1	11	PDB header: transcription regulator Chain: C: PDB Molecule: transcriptional regulator; PDBTitle: crystal structure of putative transcriptional regulator containing a2 luxr dna binding domain (np_811094.1) from bacteroides3 thetaiotaomicron vpi-5482 at 2.04 a resolution
87	d1sfxa_	Alignment	not modelled	21.0	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: TrmB-like
88	c2hs5A_	Alignment	not modelled	20.3	15	PDB header: transcription regulator Chain: A: PDB Molecule: putative transcriptional regulator gntR; PDBTitle: structural genomics, the crystal structure of a putative2 transcriptional regulator gntR from rhodococcus sp. rha1
89	c2krfB_	Alignment	not modelled	19.5	12	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein coma; PDBTitle: nmr solution structure of the dna binding domain of competence protein2 a
90	d1b4aa1	Alignment	not modelled	19.5	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Arginine repressor (ArgR), N-terminal DNA-binding domain
91	c3bddD_	Alignment	not modelled	19.3	14	PDB header: transcription Chain: D: PDB Molecule: regulatory protein marr; PDBTitle: crystal structure of a putative multiple antibiotic-resistance2 repressor (ssu05_1136) from streptococcus suis 89/1591 at 2.20 a3 resolution
92	c3fmsA_	Alignment	not modelled	19.0	20	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, gntR family; PDBTitle: crystal structure of tm0439, a gntR transcriptional2 regulator
93	d2p5ka1	Alignment	not modelled	18.8	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Arginine repressor (ArgR), N-terminal DNA-binding domain
94	c2wteB_	Alignment	not modelled	18.1	14	PDB header: antiviral protein Chain: B: PDB Molecule: csa3; PDBTitle: the structure of the crispr-associated protein, csa3, from2 sulfobolus solfataricus at 1.8 angstrom resolution.
95	c3lwfd_	Alignment	not modelled	18.1	12	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
96	c3nqoB_	Alignment	not modelled	18.1	9	PDB header: transcription Chain: B: PDB Molecule: marr-family transcriptional regulator; PDBTitle: crystal structure of a marr family transcriptional regulator (cd1569)2 from clostridium difficile 630 at 2.20 a resolution
97	c3ketA_	Alignment	not modelled	18.0	14	PDB header: transcription/dna Chain: A: PDB Molecule: redox-sensing transcriptional repressor rex; PDBTitle: crystal structure of a rex-family transcriptional regulatory protein2 from streptococcus agalactiae bound to a palindromic operator
98	d1lj9a_	Alignment	not modelled	16.6	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
99	c2nnnB_	Alignment	not modelled	16.6	19	PDB header: transcription Chain: B: PDB Molecule: probable transcriptional regulator; PDBTitle: crystal structure of probable transcriptional regulator from2 pseudomonas aeruginosa