


















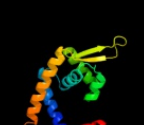













# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0ACR9
Date	Thu Jan 5 11:18:50 GMT 2012
Unique Job ID	2ce612f18563fb8f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d3broa1</a>	 Alignment		99.9	20	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
2	<a href="#">c3bj6B_</a>	 Alignment		99.9	17	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of marr family transcription regulator sp03579
3	<a href="#">d2fbka1</a>	 Alignment		99.9	22	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
4	<a href="#">d2fbha1</a>	 Alignment		99.9	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
5	<a href="#">c3bpxB_</a>	 Alignment		99.9	19	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator; <b>PDBTitle:</b> crystal structure of marr
6	<a href="#">c3k0lA_</a>	 Alignment		99.9	17	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> repressor protein; <b>PDBTitle:</b> crystal structure of putative marr family transcriptional2 regulator from acinetobacter sp. adp
7	<a href="#">c3e6mD_</a>	 Alignment		99.9	20	<b>PDB header:</b> transcription regulator <b>Chain:</b> D: <b>PDB Molecule:</b> marr family transcriptional regulator; <b>PDBTitle:</b> the crystal structure of a marr family transcriptional2 regulator from silicibacter pomeroyi dss.
8	<a href="#">d1s3ja_</a>	 Alignment		99.9	24	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
9	<a href="#">c3bjaa_</a>	 Alignment		99.9	20	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, marr family, putative; <b>PDBTitle:</b> crystal structure of putative marr-like transcription regulator2 (np_978771.1) from bacillus cereus atcc 10987 at 2.38 a resolution
10	<a href="#">c2gxgA_</a>	 Alignment		99.9	19	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> 146aa long hypothetical transcriptional regulator; <b>PDBTitle:</b> crystal structure of emrr homolog from hyperthermophilic archaea2 sulfolobus tokodaii strain7
11	<a href="#">d1lj9a_</a>	 Alignment		99.9	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators

12	<a href="#">c3nrvc_</a>	Alignment		99.9	25	<b>PDB header:</b> transcription regulator <b>Chain:</b> C: <b>PDB Molecule:</b> putative transcriptional regulator (marr/emrr family); <b>PDBTitle:</b> crystal structure of marr/emrr family transcriptional regulator from2 acinetobacter sp. adp1
13	<a href="#">c3nqob_</a>	Alignment		99.9	14	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> marr-family transcriptional regulator; <b>PDBTitle:</b> crystal structure of a marr family transcriptional regulator (cd1569)2 from clostridium difficile 630 at 2.20 a resolution
14	<a href="#">d2etha1</a>	Alignment		99.9	20	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
15	<a href="#">c3g3za_</a>	Alignment		99.9	18	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> the structure of nmb1585, a marr family regulator from neisseria2 meningitidis
16	<a href="#">d2a61a1</a>	Alignment		99.9	23	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
17	<a href="#">d1lnwa_</a>	Alignment		99.9	17	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
18	<a href="#">d1z91a1</a>	Alignment		99.9	22	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
19	<a href="#">d1jgsa_</a>	Alignment		99.9	27	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
20	<a href="#">c2nnnB_</a>	Alignment		99.9	20	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> probable transcriptional regulator; <b>PDBTitle:</b> crystal structure of probable transcriptional regulator from2 pseudomonas aeruginosa
21	<a href="#">c3cjnA_</a>	Alignment	not modelled	99.9	19	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of transcriptional regulator, marr family, from2 silicibacter pomeroyi
22	<a href="#">d2bv6a1</a>	Alignment	not modelled	99.9	20	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
23	<a href="#">d2fbia1</a>	Alignment	not modelled	99.9	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
24	<a href="#">c3boqB_</a>	Alignment	not modelled	99.9	18	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of marr family transcriptional regulator from2 silicibacter pomeroyi
25	<a href="#">c3fm5D_</a>	Alignment	not modelled	99.9	17	<b>PDB header:</b> transcription regulator <b>Chain:</b> D: <b>PDB Molecule:</b> transcriptional regulator; <b>PDBTitle:</b> x-ray crystal structure of transcriptional regulator (marr family)2 from rhodococcus sp. rha1
26	<a href="#">c2qwwB_</a>	Alignment	not modelled	99.9	16	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of multiple antibiotic-resistance repressor (marr)2 (yp_013417.1) from listeria monocytogenes 4b f2365 at 2.07 a3 resolution
27	<a href="#">c2nyxB_</a>	Alignment	not modelled	99.8	18	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> probable transcriptional regulatory protein, rv1404; <b>PDBTitle:</b> crystal structure of rv1404 from mycobacterium tuberculosis
28	<a href="#">c3f3xA_</a>	Alignment	not modelled	99.8	22	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, marr family, putative; <b>PDBTitle:</b> crystal structure of the transcriptional regulator bldr2

					from <i>Sulfolobus solfataricus</i>
29	<a href="#">c3ecoB_</a>	Alignment	not modelled	99.8	19 <b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> mepR; <b>PDBTitle:</b> crystal structure of mepR, a transcription regulator of the2 staphylococcus aureus multidrug efflux pump mepA
30	<a href="#">c3s2wB_</a>	Alignment	not modelled	99.8	18 <b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> the crystal structure of a marr transcriptional regulator from2 methanosarcina mazei go1
31	<a href="#">c2rdpA_</a>	Alignment	not modelled	99.8	24 <b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> putative transcriptional regulator marr; <b>PDBTitle:</b> the structure of a marr family protein from bacillus2 stearothermophilus
32	<a href="#">c3oopA_</a>	Alignment	not modelled	99.8	18 <b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> lin2960 protein; <b>PDBTitle:</b> the structure of a protein with unknown function from listeria innocua2 clip11262
33	<a href="#">c3cdhB_</a>	Alignment	not modelled	99.8	23 <b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of the marr family transcriptional regulator spo14532 from silicibacter pomeroyi dss-3
34	<a href="#">c3jw4C_</a>	Alignment	not modelled	99.8	19 <b>PDB header:</b> transcription regulator <b>Chain:</b> C: <b>PDB Molecule:</b> transcriptional regulator, marr/emrr family; <b>PDBTitle:</b> the structure of a putative marr family transcriptional regulator from2 clostridium acetobutylicum
35	<a href="#">c3deuB_</a>	Alignment	not modelled	99.8	23 <b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator slyA; <b>PDBTitle:</b> crystal structure of transcription regulatory protein slyA2 from salmonella typhimurium in complex with salicylate3 ligands
36	<a href="#">c3hrmA_</a>	Alignment	not modelled	99.8	19 <b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> hth-type transcriptional regulator sarZ; <b>PDBTitle:</b> crystal structure of staphylococcus aureus protein sarZ in sulfenic2 acid form
37	<a href="#">c3kp3B_</a>	Alignment	not modelled	99.8	12 <b>PDB header:</b> transcription regulator/antibiotic <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator tcar; <b>PDBTitle:</b> staphylococcus epidermidis in complex with ampicillin
38	<a href="#">d3deuA1</a>	Alignment	not modelled	99.8	20 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
39	<a href="#">c2fxaB_</a>	Alignment	not modelled	99.8	20 <b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> protease production regulatory protein hpr; <b>PDBTitle:</b> structure of the protease production regulatory protein hpr from2 bacillus subtilis.
40	<a href="#">c2fa5B_</a>	Alignment	not modelled	99.8	22 <b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator marr/emrr family; <b>PDBTitle:</b> the crystal structure of an unliganded multiple antibiotic-2 resistance repressor (marr) from xanthomonas campestris
41	<a href="#">c2pexA_</a>	Alignment	not modelled	99.8	22 <b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator ohrr; <b>PDBTitle:</b> structure of reduced c22s ohrr from xanthomonas campestris
42	<a href="#">c3bddD_</a>	Alignment	not modelled	99.8	23 <b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> regulatory protein marr; <b>PDBTitle:</b> crystal structure of a putative multiple antibiotic-resistance2 repressor (ssu05_1136) from streptococcus suis 89/1591 at 2.20 a3 resolution
43	<a href="#">d1p4xa1</a>	Alignment	not modelled	99.8	15 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
44	<a href="#">d2hr3a1</a>	Alignment	not modelled	99.7	22 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
45	<a href="#">d2fxaa1</a>	Alignment	not modelled	99.7	19 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
46	<a href="#">d1p4xa2</a>	Alignment	not modelled	99.7	14 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
47	<a href="#">d1ku9a_</a>	Alignment	not modelled	99.7	14 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> DNA-binding protein Mj223
48	<a href="#">d1hsja1</a>	Alignment	not modelled	99.7	11 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
49	<a href="#">d2frha1</a>	Alignment	not modelled	99.7	9 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
50	<a href="#">c1p4xA_</a>	Alignment	not modelled	99.7	15 <b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> staphylococcal accessory regulator a homologue; <b>PDBTitle:</b> crystal structure of sars protein from staphylococcus aureus
51	<a href="#">c3tgnA_</a>	Alignment	not modelled	99.7	18 <b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> adc operon repressor adcr; <b>PDBTitle:</b> crystal structure of the zinc-dependent marr family transcriptional2 regulator adcr in the zn(ii)-bound state
52	<a href="#">d1sfxa_</a>	Alignment	not modelled	99.5	17 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> TrmB-like
53	<a href="#">c3r0aB_</a>	Alignment	not modelled	99.4	13 <b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> putative transcriptional regulator; <b>PDBTitle:</b> possible transcriptional regulator from methanosarcina mazei go1 (gi2 21227196)

54	<a href="#">d1ub9a_</a>	Alignment	not modelled	99.4	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
55	<a href="#">c1hsjA_</a>	Alignment	not modelled	99.3	11	<b>PDB header:</b> transcription/sugar binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> fusion protein consisting of staphylococcus <b>PDBTitle:</b> sarr mbp fusion structure
56	<a href="#">d1okra_</a>	Alignment	not modelled	99.3	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Penicillinase repressor
57	<a href="#">c2x4hA_</a>	Alignment	not modelled	99.2	15	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein sso2273; <b>PDBTitle:</b> crystal structure of the hypothetical protein sso2273 from2 sulfobolus solfataricus
58	<a href="#">c2it0A_</a>	Alignment	not modelled	99.1	22	<b>PDB header:</b> transcription/dna <b>Chain:</b> A: <b>PDB Molecule:</b> iron-dependent repressor ider; <b>PDBTitle:</b> crystal structure of a two-domain ider-dna complex crystal2 form ii
59	<a href="#">c1f5tA_</a>	Alignment	not modelled	99.1	17	<b>PDB header:</b> transcription/dna <b>Chain:</b> A: <b>PDB Molecule:</b> diphtheria toxin repressor; <b>PDBTitle:</b> diphtheria tox repressor (c102d mutant) complexed with2 nickel and dtxr consensus binding sequence
60	<a href="#">d3ctaa1</a>	Alignment	not modelled	99.1	29	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
61	<a href="#">c3ctaA_</a>	Alignment	not modelled	99.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> riboflavin kinase; <b>PDBTitle:</b> crystal structure of riboflavin kinase from thermoplasma2 acidophilum
62	<a href="#">c2wteB_</a>	Alignment	not modelled	98.9	16	<b>PDB header:</b> antiviral protein <b>Chain:</b> B: <b>PDB Molecule:</b> csa3; <b>PDBTitle:</b> the structure of the crispr-associated protein, csa3, from2 sulfobolus solfataricus at 1.8 angstrom resolution.
63	<a href="#">c1fx7C_</a>	Alignment	not modelled	98.8	20	<b>PDB header:</b> signaling protein <b>Chain:</b> C: <b>PDB Molecule:</b> iron-dependent repressor ider; <b>PDBTitle:</b> crystal structure of the iron-dependent regulator (ider)2 from mycobacterium tuberculosis
64	<a href="#">c2ev5B_</a>	Alignment	not modelled	98.8	21	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator mntr; <b>PDBTitle:</b> bacillus subtilis manganese transport regulator (mntr)2 bound to calcium
65	<a href="#">c3hruA_</a>	Alignment	not modelled	98.7	17	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> metalloregulator scar; <b>PDBTitle:</b> crystal structure of scar with bound zn2+
66	<a href="#">c2h09A_</a>	Alignment	not modelled	98.7	17	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator mntr; <b>PDBTitle:</b> crystal structure of diphtheria toxin repressor like protein2 from e. coli
67	<a href="#">c1g3wA_</a>	Alignment	not modelled	98.6	17	<b>PDB header:</b> gene regulation <b>Chain:</b> A: <b>PDB Molecule:</b> diphtheria toxin repressor; <b>PDBTitle:</b> cd-cys102ser dtxr
68	<a href="#">d1sd4a_</a>	Alignment	not modelled	98.5	13	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Penicillinase repressor
69	<a href="#">d2d1ha1</a>	Alignment	not modelled	98.5	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> TrmB-like
70	<a href="#">c3hhhA_</a>	Alignment	not modelled	98.5	18	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, padr family; <b>PDBTitle:</b> crystal structure of transcriptional regulator, a member of padr2 family, from enterococcus faecalis v583
71	<a href="#">d1xmaa_</a>	Alignment	not modelled	98.5	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> PadR-like
72	<a href="#">c1xmaA_</a>	Alignment	not modelled	98.5	18	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> predicted transcriptional regulator; <b>PDBTitle:</b> structure of a transcriptional regulator from clostridium thermocellum2 cth-833
73	<a href="#">c3f8fA_</a>	Alignment	not modelled	98.5	21	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, padr-like family; <b>PDBTitle:</b> crystal structure of multidrug binding transcriptional regulator lmrr2 complexed with daunomycin
74	<a href="#">c3l7wA_</a>	Alignment	not modelled	98.4	18	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein smu.1704; <b>PDBTitle:</b> the crystal structure of smu.1704 from streptococcus mutans ua159
75	<a href="#">c2oqgA_</a>	Alignment	not modelled	98.4	17	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> possible transcriptional regulator, arsr family protein; <b>PDBTitle:</b> arsr-like transcriptional regulator from rhodococcus sp. rha1
76	<a href="#">c3f6oB_</a>	Alignment	not modelled	98.2	19	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> probable transcriptional regulator, arsr family <b>PDBTitle:</b> crystal structure of arsr family transcriptional regulator,2 rha00566
77	<a href="#">c3ri2B_</a>	Alignment	not modelled	98.0	19	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, padr-like family; <b>PDBTitle:</b> crystal structure of padr family transcriptional regulator from2 eggerthella lenta dsm 2243
78	<a href="#">d2g9wa1</a>	Alignment	not modelled	98.0	13	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Penicillinase repressor
						<b>Fold:</b> DNA/RNA-binding 3-helical bundle

79	<a href="#">d1ulya_</a>	Alignment	not modelled	98.0	21	<b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Hypothetical protein PH1932
80	<a href="#">c3f6vA_</a>	Alignment	not modelled	97.9	19	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> possible transcriptional regulator, arsr family <b>PDBTitle:</b> crystal structure of possible transcriptional regulator for2 arsenical resistance
81	<a href="#">c2qufB_</a>	Alignment	not modelled	97.9	19	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcription factor pf0095; <b>PDBTitle:</b> crystal structure of transcription factor axxa-pf0095 from pyrococcus2 furiosus
82	<a href="#">d2esha1</a>	Alignment	not modelled	97.9	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> PadR-like
83	<a href="#">c3cuoB_</a>	Alignment	not modelled	97.9	16	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized hth-type transcriptional regulator ygav; <b>PDBTitle:</b> crystal structure of the predicted dna-binding transcriptional2 regulator from e. coli
84	<a href="#">d1mkma1</a>	Alignment	not modelled	97.8	27	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Transcriptional regulator IclR, N-terminal domain
85	<a href="#">c2kkoB_</a>	Alignment	not modelled	97.8	18	<b>PDB header:</b> dna binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> possible transcriptional regulatory protein <b>PDBTitle:</b> solution nmr structure of the homodimeric winged helix-turn-2 helix dna-binding domain (fragment 1-100) mb0332 from3 mycobacterium bovis, a possible arsr-family transcriptional4 regulator. northeast structural genomics consortium target5 mbr242e.
86	<a href="#">c1r22B_</a>	Alignment	not modelled	97.8	14	<b>PDB header:</b> transcription repressor <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional repressor smtb; <b>PDBTitle:</b> crystal structure of the cyanobacterial metallothionein2 repressor smtb (c14s/c61s/c121s mutant) in the zn2alpha5-3 form
87	<a href="#">c4a5mH_</a>	Alignment	not modelled	97.7	19	<b>PDB header:</b> transcription <b>Chain:</b> H: <b>PDB Molecule:</b> uncharacterized hth-type transcriptional regulator yybr; <b>PDBTitle:</b> redox regulator hypr in its oxidized form
88	<a href="#">c3pgkD_</a>	Alignment	not modelled	97.7	17	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> biofilm growth-associated repressor; <b>PDBTitle:</b> crystal structure of the transcriptional repressor bigr from xylella2 fastidiosa
89	<a href="#">d1rlta_</a>	Alignment	not modelled	97.7	15	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ArsR-like transcriptional regulators
90	<a href="#">d1rlua_</a>	Alignment	not modelled	97.6	15	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ArsR-like transcriptional regulators
91	<a href="#">d1z7ua1</a>	Alignment	not modelled	97.6	22	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> HxlR-like
92	<a href="#">c3jthA_</a>	Alignment	not modelled	97.6	20	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> transcription activator hlyu; <b>PDBTitle:</b> crystal structure of a transcriptional regulator hlyu from2 vibrio vulnificus cmcp6
93	<a href="#">d2p4wa1</a>	Alignment	not modelled	97.5	26	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> PF1790-like
94	<a href="#">d2f2ea1</a>	Alignment	not modelled	97.5	13	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> HxlR-like
95	<a href="#">d2isya1</a>	Alignment	not modelled	97.5	16	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Iron-dependent repressor protein
96	<a href="#">c1mkmA_</a>	Alignment	not modelled	97.5	25	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> iclR transcriptional regulator; <b>PDBTitle:</b> crystal structure of the thermotoga maritima iclR
97	<a href="#">d2fswa1</a>	Alignment	not modelled	97.5	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> HxlR-like
98	<a href="#">c2v79B_</a>	Alignment	not modelled	97.5	17	<b>PDB header:</b> dna-binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> dna replication protein dnad; <b>PDBTitle:</b> crystal structure of the n-terminal domain of dnad from2 bacillus subtilis
99	<a href="#">c3elkA_</a>	Alignment	not modelled	97.4	18	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> putative transcriptional regulator ta0346; <b>PDBTitle:</b> crystal structure of putative transcriptional regulator ta0346 from2 thermoplasma acidophilum
100	<a href="#">d1g3wa1</a>	Alignment	not modelled	97.4	16	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Iron-dependent repressor protein
101	<a href="#">c3m1eA_</a>	Alignment	not modelled	97.4	14	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> hth-type transcriptional regulator benm; <b>PDBTitle:</b> crystal structure of benm_dbd
102	<a href="#">c2k4bA_</a>	Alignment	not modelled	97.4	11	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator; <b>PDBTitle:</b> copr repressor structure
103	<a href="#">c3hhgF_</a>	Alignment	not modelled	97.3	20	<b>PDB header:</b> transcription regulator <b>Chain:</b> F: <b>PDB Molecule:</b> transcriptional regulator, lysr family; <b>PDBTitle:</b> structure of crga, a lysr-type transcriptional regulator from2 neisseria meningitidis.
104	<a href="#">c2xroE_</a>	Alignment	not modelled	97.3	13	<b>PDB header:</b> dna-binding protein/dna <b>Chain:</b> E: <b>PDB Molecule:</b> hth-type transcriptional regulator ttg;



					<b>PDBTitle:</b> crystal structure of ttgv in complex with its dna operator
105	<a href="#">c2jscB_</a>	Alignment	not modelled	97.3	19 <b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator rv1994c/mt2050; <b>PDBTitle:</b> nmr structure of the cadmium metal-sensor cmtr from mycobacterium2 tuberculosis
106	<a href="#">d2ev0a1</a>	Alignment	not modelled	97.3	15 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Iron-dependent repressor protein
107	<a href="#">c2xigA_</a>	Alignment	not modelled	97.3	21 <b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> ferric uptake regulation protein; <b>PDBTitle:</b> the structure of the helicobacter pylori ferric uptake2 regulator fur reveals three functional metal binding sites
108	<a href="#">d1p6ra_</a>	Alignment	not modelled	97.3	17 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Penicillinase repressor
109	<a href="#">c2zkzC_</a>	Alignment	not modelled	97.3	10 <b>PDB header:</b> transcription <b>Chain:</b> C: <b>PDB Molecule:</b> transcriptional repressor pagr; <b>PDBTitle:</b> crystal structure of the transcriptional repressor pagr of bacillus2 anthracis
110	<a href="#">c3tlbB_</a>	Alignment	not modelled	97.3	17 <b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, lysr family; <b>PDBTitle:</b> crystal structure of the full-length aphb n100e variant
111	<a href="#">c2dqlA_</a>	Alignment	not modelled	97.3	15 <b>PDB header:</b> circadian clock protein <b>Chain:</b> A: <b>PDB Molecule:</b> pex protein; <b>PDBTitle:</b> crytal structure of the circadian clock associated protein2 pex from anabaena
112	<a href="#">d1z05a1</a>	Alignment	not modelled	97.3	18 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ROK associated domain
113	<a href="#">d1z6ra1</a>	Alignment	not modelled	97.3	11 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ROK associated domain
114	<a href="#">c3df8A_</a>	Alignment	not modelled	97.3	24 <b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> possible hxlr family transcriptional factor; <b>PDBTitle:</b> the crystal structure of a possible hxlr family transcriptional factor2 from thermoplasma volcanium gss1
115	<a href="#">d1jhfa1</a>	Alignment	not modelled	97.2	18 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> LexA repressor, N-terminal DNA-binding domain
116	<a href="#">d1stza1</a>	Alignment	not modelled	97.2	19 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Heat-inducible transcription repressor HrcA, N-terminal domain
117	<a href="#">c2esnC_</a>	Alignment	not modelled	97.2	15 <b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> C: <b>PDB Molecule:</b> probable transcriptional regulator; <b>PDBTitle:</b> the crystal structure of probable transcriptional regulator pa04772 from pseudomonas aeruginosa
118	<a href="#">d2dk5a1</a>	Alignment	not modelled	97.2	16 <b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> RPO3F domain-like
119	<a href="#">c2g7uB_</a>	Alignment	not modelled	97.2	25 <b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator; <b>PDBTitle:</b> 2.3 a structure of putative catechol degradative operon regulator from2 rhodococcus sp. rha1
120	<a href="#">c2e1nA_</a>	Alignment	not modelled	97.2	16 <b>PDB header:</b> circadian clock protein <b>Chain:</b> A: <b>PDB Molecule:</b> pex; <b>PDBTitle:</b> crystal structure of the cyanobacterium circadian clock modifier pex