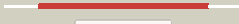



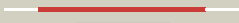






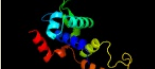










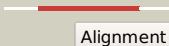

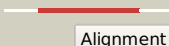







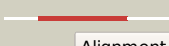







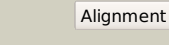

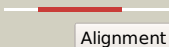


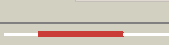
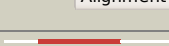
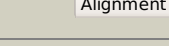
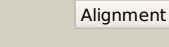


# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1287_(-)_1440811_1441296
Date	Wed Jul 31 22:05:38 BST 2019
Unique Job ID	5bc86fd32a999305

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6hsdB_</a>	 Alignment		100.0	30	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> rrf2 family transcriptional regulator; <b>PDBTitle:</b> crystal structure of the oxidized form of the transcription regulator2 rsrr
2	<a href="#">c3lwfD_</a>	 Alignment		100.0	25	<b>PDB header:</b> transcription regulator <b>Chain:</b> D: <b>PDB Molecule:</b> putative transcriptional regulator; <b>PDBTitle:</b> crystal structure of putative transcriptional regulator (np_470886.1)2 from listeria innocua at 2.06 a resolution
3	<a href="#">c2y75F_</a>	 Alignment		100.0	28	<b>PDB header:</b> transcription <b>Chain:</b> F: <b>PDB Molecule:</b> hth-type transcriptional regulator cymr; <b>PDBTitle:</b> the structure of cymr (yrzc) the global cysteine regulator of b.2 subtilis
4	<a href="#">c4hf1B_</a>	 Alignment		100.0	28	<b>PDB header:</b> transcription/dna <b>Chain:</b> B: <b>PDB Molecule:</b> hth-type transcriptional regulator iscr; <b>PDBTitle:</b> crystal structure of iscr bound to its promoter
5	<a href="#">c4cicB_</a>	 Alignment		100.0	34	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, badm/rrf2 family; <b>PDBTitle:</b> t. potens iscr
6	<a href="#">c5n07A_</a>	 Alignment		100.0	21	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> hth-type transcriptional repressor nsrr; <b>PDBTitle:</b> structure of the [4fe-4s] form of the no response regulator nsrr
7	<a href="#">c3t8tA_</a>	 Alignment		100.0	33	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> staphylococcus aureus cymr (oxidized form); <b>PDBTitle:</b> crystal structure of staphylococcus aureus cymr oxidized form
8	<a href="#">c3k69A_</a>	 Alignment		100.0	21	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> putative transcription regulator; <b>PDBTitle:</b> crystal structure of a putative transcriptional regulator (lp_0360)2 from lactobacillus plantarum at 1.95 a resolution
9	<a href="#">d1ylfa1</a>	 Alignment		100.0	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Transcriptional regulator Rrf2
10	<a href="#">d1xd7a_</a>	 Alignment		100.0	16	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Transcriptional regulator Rrf2
11	<a href="#">d1biaa1</a>	 Alignment		98.0	23	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Biotin repressor-like

12	<a href="#">c3rkxA_</a>	 Alignment		98.0	11	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> biotin-[acetyl-coa-carboxylase] ligase; <b>PDBTitle:</b> structural characterisation of staphylococcus aureus biotin protein2 ligase
13	<a href="#">c2ewnA_</a>	 Alignment		97.8	23	<b>PDB header:</b> ligase, transcription <b>Chain:</b> A: <b>PDB Molecule:</b> bira bifunctional protein; <b>PDBTitle:</b> ecoli biotin repressor with co-repressor analog
14	<a href="#">d1j5ya1</a>	 Alignment		97.8	25	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Biotin repressor-like
15	<a href="#">c5y6iB_</a>	 Alignment		97.7	20	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator kdgr; <b>PDBTitle:</b> crystal structure of pseudomonas aeruginosa hmgr
16	<a href="#">d1mkmA1</a>	 Alignment		97.7	10	<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
17	<a href="#">c5tjIA_</a>	 Alignment		97.6	16	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, iclr family; <b>PDBTitle:</b> crystal structure of iclr transcriptional regulator from2 alicyclobacillus acidocaldarius
18	<a href="#">c1f5tA_</a>	 Alignment		97.6	13	<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
19	<a href="#">c3r0aB_</a>	 Alignment		97.6	12	<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)
20	<a href="#">c5whmB_</a>	 Alignment		97.6	13	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> iclr family transcriptional regulator; <b>PDBTitle:</b> crystal structure of iclr family transcriptional regulator from2 brucella abortus
21	<a href="#">c2it0A_</a>	 Alignment	not modelled	97.6	16	<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
22	<a href="#">c1mkmA_</a>	 Alignment	not modelled	97.6	12	<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
23	<a href="#">c2o0yB_</a>	 Alignment	not modelled	97.5	13	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator; <b>PDBTitle:</b> crystal structure of putative transcriptional regulator rha1_ro069532 (iclr-family) from rhodococcus sp.
24	<a href="#">d1sfxA_</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> TrmB-like
25	<a href="#">c2xroE_</a>	 Alignment	not modelled	97.5	24	<b>PDB header:</b> dna-binding protein/dna <b>Chain:</b> E: <b>PDB Molecule:</b> hth-type transcriptional regulator ttgv; <b>PDBTitle:</b> crystal structure of ttgv in complex with its dna operator
26	<a href="#">c1g3wA_</a>	 Alignment	not modelled	97.4	13	<b>PDB header:</b> gene regulation <b>Chain:</b> A: <b>PDB Molecule:</b> diphtheria toxin repressor; <b>PDBTitle:</b> cd-cys102ser dtxr
27	<a href="#">d2p4wa1</a>	 Alignment	not modelled	97.4	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> PF1790-like
28	<a href="#">c5h1aC_</a>	 Alignment	not modelled	97.4	15	<b>PDB header:</b> transcription regulator <b>Chain:</b> C: <b>PDB Molecule:</b> iclr transcription factor homolog; <b>PDBTitle:</b> crystal structure of an iclr homolog from microbacterium sp. strain2 hm58-2
29	<a href="#">c1f7C_</a>	 Alignment	not modelled	97.4	14	<b>PDB header:</b> signaling protein <b>Chain:</b> C: <b>PDB Molecule:</b> iron-dependent repressor ider;

29	<a href="#">c1x7c</a>	Alignment	not modelled	97.4	14	<b>PDBTitle:</b> crystal structure of the iron-dependent regulator (ider) from2 mycobacterium tuberculosis <b>PDB header:</b> structural genomics, unknown function
30	<a href="#">c2g7uB</a>	Alignment	not modelled	97.4	17	<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
31	<a href="#">c2h09A</a>	Alignment	not modelled	97.3	19	<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
32	<a href="#">c4r1hA</a>	Alignment	not modelled	97.3	17	<b>PDB header:</b> transcriptional regulator <b>Chain:</b> A; <b>PDB Molecule:</b> ilmo0741 protein; <b>PDBTitle:</b> gntr family transcriptional regulator from listeria monocytogenes
33	<a href="#">c1j5yA</a>	Alignment	not modelled	97.3	24	<b>PDB header:</b> transcription <b>Chain:</b> A; <b>PDB Molecule:</b> transcriptional regulator, biotin repressor family; <b>PDBTitle:</b> crystal structure of transcriptional regulator (tm1602) from2 thermotoga maritima at 2.3 a resolution
34	<a href="#">c2oqgA</a>	Alignment	not modelled	97.3	19	<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
35	<a href="#">d1ub9a</a>	Alignment	not modelled	97.2	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
36	<a href="#">d2d1ha1</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> TrmB-like
37	<a href="#">c6j05B</a>	Alignment	not modelled	97.2	19	<b>PDB header:</b> transcription <b>Chain:</b> B; <b>PDB Molecule:</b> transcriptional regulator arsr; <b>PDBTitle:</b> structures of two arsr as(iii)-responsive repressors: implications for2 the mechanism of derepression
38	<a href="#">c3by6C</a>	Alignment	not modelled	97.2	11	<b>PDB header:</b> transcriptional regulator <b>Chain:</b> C; <b>PDB Molecule:</b> predicted transcriptional regulator; <b>PDBTitle:</b> crystal structure of a transcriptional regulator from oenococcus oeni
39	<a href="#">c6j0eB</a>	Alignment	not modelled	97.2	16	<b>PDB header:</b> transcription <b>Chain:</b> B; <b>PDB Molecule:</b> arsenic responsive repressor arsr; <b>PDBTitle:</b> structures of two arsr as(iii)-responsive repressors: implications for2 the mechanism of derepression
40	<a href="#">c3cuoB</a>	Alignment	not modelled	97.2	14	<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
41	<a href="#">c5w1eA</a>	Alignment	not modelled	97.2	18	<b>PDB header:</b> transcription <b>Chain:</b> A; <b>PDB Molecule:</b> putative transcriptional regulator; <b>PDBTitle:</b> pobr in complex with phb
42	<a href="#">c3r4kD</a>	Alignment	not modelled	97.1	16	<b>PDB header:</b> dna binding protein <b>Chain:</b> D; <b>PDB Molecule:</b> transcriptional regulator, iclr family; <b>PDBTitle:</b> crystal structure of a putative iclr transcriptional regulator2 (tm1040_3717) from silicibacter sp. tm1040 at 2.46 a resolution
43	<a href="#">c2kkoB</a>	Alignment	not modelled	97.1	14	<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.
44	<a href="#">d2hs5a1</a>	Alignment	not modelled	97.1	22	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> GntR-like transcriptional regulators
45	<a href="#">c4o6jA</a>	Alignment	not modelled	97.1	16	<b>PDB header:</b> metal binding protein <b>Chain:</b> A; <b>PDB Molecule:</b> iron-dependent transcription repressor related protein; <b>PDBTitle:</b> crystal structure of t. acidophilum ider
46	<a href="#">d1stza1</a>	Alignment	not modelled	97.1	6	<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
47	<a href="#">c3lmmA</a>	Alignment	not modelled	97.1	14	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A; <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of the dip2311 protein from corynebacterium2 diphtheriae, northeast structural genomics consortium target cdr35
48	<a href="#">d2isya1</a>	Alignment	not modelled	97.0	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
49	<a href="#">c2x4hA</a>	Alignment	not modelled	97.0	19	<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
50	<a href="#">d1g3wa1</a>	Alignment	not modelled	97.0	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
51	<a href="#">d1r1ua</a>	Alignment	not modelled	97.0	17	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ArsR-like transcriptional regulators
52	<a href="#">c2du9A</a>	Alignment	not modelled	97.0	20	<b>PDB header:</b> transcription <b>Chain:</b> A; <b>PDB Molecule:</b> predicted transcriptional regulators; <b>PDBTitle:</b> crystal structure of the transcriptional factor from c.glutamicum
53	<a href="#">d1u2wa1</a>	Alignment	not modelled	97.0	16	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ArsR-like transcriptional regulators

54	<a href="#">c3neuA</a>	Alignment	not modelled	97.0	8	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> lin1836 protein; <b>PDBTitle:</b> the crystal structure of a functionally-unknown protein lin1836 from <i>Listeria innocua</i> clip11262
55	<a href="#">c2hs5A</a>	Alignment	not modelled	96.9	15	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> putative transcriptional regulator gntR; <b>PDBTitle:</b> structural genomics, the crystal structure of a putative2 transcriptional regulator gntR from <i>Rhodococcus</i> sp. rha1
56	<a href="#">d1r1ta</a>	Alignment	not modelled	96.9	21	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> ArsR-like transcriptional regulators
57	<a href="#">c3ihuA</a>	Alignment	not modelled	96.9	18	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, gntR family; <b>PDBTitle:</b> crystal structure of dna binding protein (yp_298823.1) from <i>Ralstonia2 eutropha</i> jmp134 at 1.92 Å resolution
58	<a href="#">c4p9fA</a>	Alignment	not modelled	96.9	11	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> hth-type transcriptional regulator mcbr; <b>PDBTitle:</b> e. coli mcbr/yncc
59	<a href="#">c4hamA</a>	Alignment	not modelled	96.9	13	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> lmo2241 protein; <b>PDBTitle:</b> crystal structure of transcriptional antiterminator from <i>Listeria2 monocytogenes</i> egd-e
60	<a href="#">c3zmdD</a>	Alignment	not modelled	96.9	23	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> putative transcriptional regulator; <b>PDBTitle:</b> crystal structure of absc, a mar family transcriptional2 regulator from <i>Streptomyces coelicolor</i>
61	<a href="#">c4p96B</a>	Alignment	not modelled	96.8	15	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> fatty acid metabolism regulator protein; <b>PDBTitle:</b> fadr, fatty acid responsive transcription factor from <i>Vibrio cholerae</i>
62	<a href="#">c5cviB</a>	Alignment	not modelled	96.8	15	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> slor; <b>PDBTitle:</b> structure of the manganese regulator slor
63	<a href="#">c4nb5D</a>	Alignment	not modelled	96.8	7	<b>PDB header:</b> dna binding protein <b>Chain:</b> D: <b>PDB Molecule:</b> dna binding protein; <b>PDBTitle:</b> crystal structure of a transcriptional regulator
64	<a href="#">c2lkpB</a>	Alignment	not modelled	96.8	25	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, arsr family; <b>PDBTitle:</b> solution structure of apo-nmtr
65	<a href="#">c3pqkD</a>	Alignment	not modelled	96.8	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 <i>Xylella2 fastidiosa</i>
66	<a href="#">c4omzG</a>	Alignment	not modelled	96.8	22	<b>PDB header:</b> transcription <b>Chain:</b> G: <b>PDB Molecule:</b> nolr; <b>PDBTitle:</b> crystal structure of nolr from <i>Sinorhizobium fredii</i>
67	<a href="#">c1r22B</a>	Alignment	not modelled	96.8	21	<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
68	<a href="#">c6cmvA</a>	Alignment	not modelled	96.8	19	<b>PDB header:</b> gene regulation <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator lrs14-like protein; <b>PDBTitle:</b> crystal structure of archaeal biofilm regulator (abfr2) from <i>Sulfolobus acidocaldarius</i>
69	<a href="#">d3ctaa1</a>	Alignment	not modelled	96.7	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
70	<a href="#">c3ctaA</a>	Alignment	not modelled	96.7	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> riboflavin kinase; <b>PDBTitle:</b> crystal structure of riboflavin kinase from <i>Thermoplasma acidophilum</i>
71	<a href="#">c3jthA</a>	Alignment	not modelled	96.7	16	<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 from <i>Vibrio vulnificus</i> cmcp6
72	<a href="#">c5kvrA</a>	Alignment	not modelled	96.7	18	<b>PDB header:</b> translation <b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate dehydrogenase complex repressor; <b>PDBTitle:</b> x-ray crystal structure of a fragment (1-75) of a transcriptional2 regulator pdhr from <i>Escherichia coli</i> cft073
73	<a href="#">c6jbxB</a>	Alignment	not modelled	96.7	14	<b>PDB header:</b> transcription/dna <b>Chain:</b> B: <b>PDB Molecule:</b> fatty acid biosynthesis transcriptional regulator; <b>PDBTitle:</b> crystal structure of <i>Streptococcus pneumoniae</i> fabT in complex with dna
74	<a href="#">d2fbha1</a>	Alignment	not modelled	96.7	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
75	<a href="#">c5bqtC</a>	Alignment	not modelled	96.7	22	<b>PDB header:</b> dna binding protein <b>Chain:</b> C: <b>PDB Molecule:</b> putative hth-type transcriptional regulator trmbI2; <b>PDBTitle:</b> structure of trmbI2, an archaeal chromatin protein, shows a novel mode2 of dna binding.
76	<a href="#">d3bwga1</a>	Alignment	not modelled	96.7	14	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> GntR-like transcriptional regulators
77	<a href="#">c6ep3B</a>	Alignment	not modelled	96.7	11	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> lmo0651 protein; <b>PDBTitle:</b> lar controls the expression of the <i>Listeria monocytogenes</i> agr system2 and mediates virulence.
78	<a href="#">d1fp2a1</a>	Alignment	not modelled	96.7	13	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Plant O-methyltransferase, N-terminal domain
79	<a href="#">c2nyxB</a>	Alignment	not modelled	96.7	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
80	<a href="#">d1ulya_</a>	Alignment	not modelled	96.6	20	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Hypothetical protein PH1932
81	<a href="#">c4egzA_</a>	Alignment	not modelled	96.6	15	<b>PDB header:</b> transcription/dna <b>Chain:</b> A: <b>PDB Molecule:</b> arabinose metabolism transcriptional repressor; <b>PDBTitle:</b> crystal structure of arar(dbd) in complex with operator orr3
82	<a href="#">c6az6B_</a>	Alignment	not modelled	96.6	10	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> gntR family transcriptional regulator; <b>PDBTitle:</b> streptococcus agalactiae gntR
83	<a href="#">c2ia2D_</a>	Alignment	not modelled	96.6	13	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> putative transcriptional regulator; <b>PDBTitle:</b> the crystal structure of a putative transcriptional regulator rha061952 from rhodococcus sp. rha1
84	<a href="#">c2jscB_</a>	Alignment	not modelled	96.6	20	<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
85	<a href="#">c3g3zA_</a>	Alignment	not modelled	96.6	16	<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
86	<a href="#">c3f6oB_</a>	Alignment	not modelled	96.6	10	<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
87	<a href="#">d3broa1</a>	Alignment	not modelled	96.6	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
88	<a href="#">d1ku9a_</a>	Alignment	not modelled	96.5	22	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> DNA-binding protein Mj223
89	<a href="#">c3f6vA_</a>	Alignment	not modelled	96.5	17	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> possible transcriptional regulator, arsr family protein; <b>PDBTitle:</b> crystal structure of possible transcriptional regulator for arsenical2 resistance
90	<a href="#">c5jbrA_</a>	Alignment	not modelled	96.5	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein bcav_2135; <b>PDBTitle:</b> crystal structure of uncharacterized protein bcav_2135 from2 beutenbergia cavernae
91	<a href="#">c2zkzC_</a>	Alignment	not modelled	96.5	7	<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
92	<a href="#">d1qzza1</a>	Alignment	not modelled	96.5	17	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Plant O-methyltransferase, N-terminal domain
93	<a href="#">c4a6dA_</a>	Alignment	not modelled	96.5	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxyindole o-methyltransferase; <b>PDBTitle:</b> crystal structure of human n-acetylserotonin2 methyltransferase (asmt) in complex with sam
94	<a href="#">c3mq0A_</a>	Alignment	not modelled	96.5	21	<b>PDB header:</b> transcription repressor <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional repressor of the blcabc operon; <b>PDBTitle:</b> crystal structure of agobacterium tumefaciens repressor blcr
95	<a href="#">d1p4xa2</a>	Alignment	not modelled	96.5	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
96	<a href="#">c3bj6B_</a>	Alignment	not modelled	96.5	19	<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
97	<a href="#">c5eriA_</a>	Alignment	not modelled	96.4	6	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> marr family transcriptional regulator; <b>PDBTitle:</b> marr protein from peptoclostridium difficile da00132
98	<a href="#">c2di3A_</a>	Alignment	not modelled	96.4	13	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> bacterial regulatory proteins, gntR family; <b>PDBTitle:</b> crystal structure of the transcriptional factor cgl129152 from corynebacterium glutamicum
99	<a href="#">c3zplE_</a>	Alignment	not modelled	96.4	19	<b>PDB header:</b> transcription/dna <b>Chain:</b> E: <b>PDB Molecule:</b> putative marr-family transcriptional repressor; <b>PDBTitle:</b> crystal structure of sco3205, a marr family transcriptional regulator2 from streptomyces coelicolor, in complex with dna
100	<a href="#">c1tw3A_</a>	Alignment	not modelled	96.4	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> carinomycin 4-o-methyltransferase; <b>PDBTitle:</b> crystal structure of carinomycin-4-o-methyltransferase (dnrk) in2 complex with s-adenosyl-l-homocystein (sah) and 4-methoxy-e-3 rhodomycin t (m-et)
101	<a href="#">c3fmsA_</a>	Alignment	not modelled	96.4	13	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, gntR family; <b>PDBTitle:</b> crystal structure of tm0439, a gntR transcriptional regulator
102	<a href="#">d1lnwa_</a>	Alignment	not modelled	96.4	16	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
103	<a href="#">c3bwgA_</a>	Alignment	not modelled	96.4	12	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized hth-type transcriptional regulator yydk; <b>PDBTitle:</b> the crystal structure of possible transcriptional regulator yydk from2 bacillus subtilis subsp. subtilis str. 168

104	<a href="#">c3hruA_</a>	Alignment	not modelled	96.3	15	<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+
105	<a href="#">d2etha1</a>	Alignment	not modelled	96.3	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
106	<a href="#">d2a61a1</a>	Alignment	not modelled	96.3	8	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
107	<a href="#">c3c7jA_</a>	Alignment	not modelled	96.3	16	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulator, gntr family; <b>PDBTitle:</b> crystal structure of transcriptional regulator (gntr family member)2 from pseudomonas syringae pv. tomato str. dc3000
108	<a href="#">d1s3ja_</a>	Alignment	not modelled	96.3	12	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
109	<a href="#">c1x1aA_</a>	Alignment	not modelled	96.3	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> crtf-related protein; <b>PDBTitle:</b> crystal structure of bchu complexed with s-adenosyl-l-methionine
110	<a href="#">d1p4xa1</a>	Alignment	not modelled	96.3	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
111	<a href="#">c1e2xA_</a>	Alignment	not modelled	96.3	19	<b>PDB header:</b> transcriptional regulation <b>Chain:</b> A: <b>PDB Molecule:</b> fatty acid metabolism regulator protein; <b>PDBTitle:</b> fadr, fatty acid responsive transcription factor from e.2 coli
112	<a href="#">d2hr3a1</a>	Alignment	not modelled	96.2	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
113	<a href="#">d1i5za1</a>	Alignment	not modelled	96.2	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> CAP C-terminal domain-like
114	<a href="#">c3gwzB_</a>	Alignment	not modelled	96.2	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> mmcr; <b>PDBTitle:</b> structure of the mitomycin 7-o-methyltransferase mmcr
115	<a href="#">d1hw1a1</a>	Alignment	not modelled	96.2	17	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> GntR-like transcriptional regulators
116	<a href="#">d1jhfa1</a>	Alignment	not modelled	96.2	13	<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
117	<a href="#">d1lj9a_</a>	Alignment	not modelled	96.2	6	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
118	<a href="#">c4fhtA_</a>	Alignment	not modelled	96.2	12	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> pcav transcriptional regulator; <b>PDBTitle:</b> crystal structure of the pcav transcriptional regulator from2 streptomyces coelicolor in complex with its natural ligand
119	<a href="#">c1fp2A_</a>	Alignment	not modelled	96.2	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> isoflavone o-methyltransferase; <b>PDBTitle:</b> crystal structure analysis of isoflavone o-methyltransferase
120	<a href="#">d1tw3a1</a>	Alignment	not modelled	96.2	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Plant O-methyltransferase, N-terminal domain