

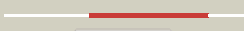


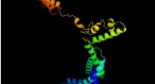


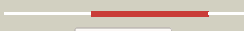




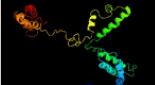












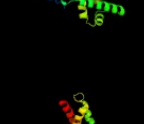






Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2703_(sigA)_3017845_3019431
Date	Wed Aug 7 12:50:35 BST 2019
Unique Job ID	d3775f3e7d8b3ed5

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6c05F_	 Alignment		100.0	100	PDB header: transcription Chain: F: PDB Molecule: rna polymerase sigma factor sigma; PDBTitle: mycobacterium tuberculosis rnap holo/rbpa in relaxed state
2	c4igcX_	 Alignment		100.0	56	PDB header: transcription, transferase Chain: X: PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: x-ray crystal structure of escherichia coli sigma70 holoenzyme
3	c2a6eF_	 Alignment		100.0	58	PDB header: transferase Chain: F: PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: crystal structure of the t. thermophilus rna polymerase2 holoenzyme
4	c5tw1F_	 Alignment		100.0	97	PDB header: transcription activator/transferase/dna Chain: F: PDB Molecule: rna polymerase sigma factor sigma; PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rbpa
5	c1l9uH_	 Alignment		100.0	53	PDB header: transcription Chain: H: PDB Molecule: sigma factor sigma; PDBTitle: thermus aquaticus rna polymerase holoenzyme at 4 a2 resolution
6	c5d4dP_	 Alignment		100.0	60	PDB header: transcription/dna Chain: P: PDB Molecule: rna polymerase sigma factor sigma; PDBTitle: crystal structure of thermus thermophilus product complex for2 transcription initiation with nad and ctp
7	c3iydF_	 Alignment		100.0	55	PDB header: transcription/dna Chain: F: PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: three-dimensional em structure of an intact activator-dependent2 transcription initiation complex
8	c3wodF_	 Alignment		100.0	59	PDB header: transferase/transcription Chain: F: PDB Molecule: rna polymerase sigma factor; PDBTitle: rna polymerase-gp39 complex
9	c5ipmF_	 Alignment		100.0	42	PDB header: transcription, transferase/dna/rna Chain: F: PDB Molecule: rna polymerase sigma factor rpos; PDBTitle: sigmas-transcription initiation complex with 4-nt nascent rna
10	c1ku2A_	 Alignment		100.0	61	PDB header: transcription Chain: A: PDB Molecule: sigma factor sigma; PDBTitle: crystal structure of thermus aquaticus rna polymerase sigma2 subunit fragment containing regions 1.2 to 3.1
11	d1ku2a2	 Alignment		100.0	62	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors

12	d1smyf3	Alignment		100.0	63	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
13	c4x8kA	Alignment		100.0	100	PDB header: transcription activator Chain: A: PDB Molecule: rna polymerase sigma factor siga; PDBTitle: mycobacterium tuberculosis rbpA-sid in complex with sigmaa domain 2
14	c5yixA	Alignment		100.0	48	PDB header: dna binding protein Chain: A: PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: caulobacter crescentus gcrA sigma-interacting domain (sid) in complex2 with domain 2 of sigma 70
15	c1rp3G	Alignment		100.0	25	PDB header: transcription Chain: G: PDB Molecule: rna polymerase sigma factor sigma-28 (flia); PDBTitle: cocrystal structure of the flagellar sigma/anti-sigma complex, sigma-2 28/flgm
16	d1siga	Alignment		100.0	53	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
17	d1rp3a3	Alignment		99.8	23	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
18	c6in7B	Alignment		99.8	18	PDB header: transcription Chain: B: PDB Molecule: rna polymerase sigma-h factor; PDBTitle: crystal structure of algu in complex with muca(cyto)
19	c3t72o	Alignment		99.7	49	PDB header: transcription/dna Chain: O: PDB Molecule: pho box dna (strand 1); PDBTitle: phob(e)-sigma70(4)-(rnap-beta-flap-tip-helix)-dna transcription2 activation sub-complex
20	d1smyf2	Alignment		99.7	52	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
21	c1or7A	Alignment	not modelled	99.7	20	PDB header: transcription Chain: A: PDB Molecule: rna polymerase sigma-e factor; PDBTitle: crystal structure of escherichia coli sigmae with the cytoplasmic2 domain of its anti-sigma rseA
22	c5uxxC	Alignment	not modelled	99.7	16	PDB header: dna binding protein/unknown function Chain: C: PDB Molecule: rna polymerase sigma factor; PDBTitle: co-crystal structure of the sigma factor rpoe in complex with the2 anti-sigma factor nepr from bartonella quintana
23	c6dvdF	Alignment	not modelled	99.7	16	PDB header: transferase/dna Chain: F: PDB Molecule: ecf rna polymerase sigma factor sigl; PDBTitle: crystal structure of mycobacterium tuberculosis transcription2 initiation complex(ecf sigma factor I) with 6 nt spacer and bromine3 labelled in position "-11
24	d1ku7a	Alignment	not modelled	99.7	55	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
25	c4cxfA	Alignment	not modelled	99.6	22	PDB header: transcription Chain: A: PDB Molecule: rna polymerase sigma factor cnrh; PDBTitle: structure of cnrh in complex with the cytosolic domain of cnry
26	c3vdoA	Alignment	not modelled	99.6	20	PDB header: dna binding protein/protein binding Chain: A: PDB Molecule: rna polymerase sigma factor sigk; PDBTitle: structure of extra-cytoplasmic function(ecf) sigma factor sigk in2 complex with its negative regulator rskA from mycobacterium3 tuberculosis
27	c2q1zA	Alignment	not modelled	99.6	17	PDB header: transcription Chain: A: PDB Molecule: rpoe, ecf sige; PDBTitle: crystal structure of rhodobacter sphaeroides sige in complex with the2 anti-sigma chrr
28	c5uurB	Alignment	not modelled	99.6	24	PDB header: metal binding protein Chain: B: PDB Molecule: ecf rna polymerase sigma factor sigw;

28	c3wub	Alignment	not modelled	99.0	24	PDBTitle: crystal structure of sigw in complex with its anti-sigma rsiw, an2 oxidized form PDB header: rna binding protein
29	c3mzyA	Alignment	not modelled	99.6	26	Chain: A; PDB Molecule: rna polymerase sigma-h factor; PDBTitle: the crystal structure of the rna polymerase sigma-h factor from2 fusobacterium nucleatum to 2.5a
30	d2p7vb1	Alignment	not modelled	99.6	59	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
31	c5zx3F	Alignment	not modelled	99.6	19	PDB header: transcription Chain: F; PDB Molecule: ecf rna polymerase sigma factor sigh; PDBTitle: mycobacterium tuberculosis rna polymerase holoenzyme with ecf sigma2 factor sigma h
32	c6c03A	Alignment	not modelled	99.6	20	PDB header: transcription Chain: A; PDB Molecule: putative rna polymerase ecf-subfamily sigma factor; PDBTitle: the crystal structure streptomyces venezuelae rsbn-bldn complex
33	d1ttya	Alignment	not modelled	99.6	59	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
34	d1ku3a	Alignment	not modelled	99.5	55	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
35	c5xe7A	Alignment	not modelled	99.5	21	PDB header: dna binding protein Chain: A; PDB Molecule: ecf rna polymerase sigma factor sigj; PDBTitle: crystal structure of mycobacterium tuberculosis extracytoplasmic2 function sigma factor sigj
36	c3t0yA	Alignment	not modelled	99.3	16	PDB header: transcription regulator/protein binding Chain: A; PDB Molecule: response regulator; PDBTitle: structure of the phyr anti-anti-sigma domain bound to the anti-sigma2 factor, nepr
37	c2lfwA	Alignment	not modelled	99.1	14	PDB header: signaling protein Chain: A; PDB Molecule: phyr sigma-like domain; PDBTitle: nmr structure of the phyrsl-nepr complex from sphingomonas sp. fr1
38	d1rp3a2	Alignment	not modelled	99.1	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
39	d1ku2a1	Alignment	not modelled	99.0	57	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma3 domain
40	c3hugA	Alignment	not modelled	99.0	14	PDB header: transcription/membrane protein Chain: A; PDB Molecule: rna polymerase sigma factor; PDBTitle: crystal structure of mycobacterium tuberculosis anti-sigma factor rsla2 in complex with -35 promoter binding domain of sigl
41	d1l0oc	Alignment	not modelled	98.8	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
42	c1l0oC	Alignment	not modelled	98.8	33	PDB header: protein binding Chain: C; PDB Molecule: sigma factor; PDBTitle: crystal structure of the bacillus stearothermophilus anti-2 sigma factor spoiiab with the sporulation sigma factor3 sigmaf
43	c3vepA	Alignment	not modelled	98.8	14	PDB header: membrane protein/transcription Chain: A; PDB Molecule: probable rna polymerase sigma-d factor; PDBTitle: crystal structure of sigd4 in complex with its negative regulator rsda
44	c5fgmA	Alignment	not modelled	98.7	17	PDB header: hydrolase Chain: A; PDB Molecule: ecf rna polymerase sigma factor sigr; PDBTitle: streptomyces coelicolor sigr region 4
45	d1or7a2	Alignment	not modelled	98.6	23	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
46	d1or7a1	Alignment	not modelled	98.6	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
47	d1xsva	Alignment	not modelled	98.6	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: YlxM/p13-like
48	d1or7b2	Alignment	not modelled	98.6	27	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
49	d1s7oa	Alignment	not modelled	98.6	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: YlxM/p13-like
50	c2o8xA	Alignment	not modelled	98.5	12	PDB header: transcription Chain: A; PDB Molecule: probable rna polymerase sigma-c factor; PDBTitle: crystal structure of the "-35 element" promoter recognition domain of2 mycobacterium tuberculosis sigc
51	d1rp3a1	Alignment	not modelled	98.5	27	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma3 domain
52	c2o7gA	Alignment	not modelled	98.1	23	PDB header: transcription Chain: A; PDB Molecule: probable rna polymerase sigma-c factor; PDBTitle: crystal structure of the pribnow box recognition region of sigc from2 mycobacterium tuberculosis
53	d1yioa1	Alignment	not modelled	98.0	23	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)

54	c3qp5C	Alignment	not modelled	97.6	17	PDB header: transcription Chain: C: PDB Molecule: cvir transcriptional regulator; PDBTitle: crystal structure of cvir bound to antagonist chlorolactone (cl)
55	c1x3uA	Alignment	not modelled	97.6	21	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
56	c2q0aA	Alignment	not modelled	97.4	20	PDB header: transcription Chain: A: PDB Molecule: probable transcriptional activator protein trar; PDBTitle: crystal structure of an anti-activation complex in bacterial quorum2 sensing
57	c1zljE	Alignment	not modelled	97.4	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
58	c4ifuA	Alignment	not modelled	97.4	21	PDB header: dna binding protein Chain: A: PDB Molecule: regulatory protein sdia; PDBTitle: crystal structure of escherichia coli sdia in the space group c2
59	c1h0mD	Alignment	not modelled	97.3	23	PDB header: transcription/dna Chain: D: PDB Molecule: transcriptional activator protein trar; PDBTitle: three-dimensional structure of the quorum sensing protein trar bound2 to its autoinducer and to its target dna
60	d1h3la	Alignment	not modelled	97.3	14	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
61	d1a04a1	Alignment	not modelled	97.3	18	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)
62	c3sztB	Alignment	not modelled	97.3	21	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
63	c6jqsA	Alignment	not modelled	97.2	25	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding response regulator; PDBTitle: structure of transcription factor, gere
64	d1p4wa	Alignment	not modelled	97.2	25	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)
65	c2krfB	Alignment	not modelled	97.2	22	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein coma; PDBTitle: nmr solution structure of the dna binding domain of competence protein2 a
66	d1fsea	Alignment	not modelled	97.1	34	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)
67	c3n0rA	Alignment	not modelled	97.1	18	PDB header: signaling protein Chain: A: PDB Molecule: response regulator; PDBTitle: structure of the phyr stress response regulator at 1.25 angstrom2 resolution
68	c2rniA	Alignment	not modelled	97.1	23	PDB header: transcription Chain: A: PDB Molecule: response regulator protein vvar; PDBTitle: nmr structure of the s. aureus vvar dna binding domain
69	c3cloC	Alignment	not modelled	97.1	21	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
70	d1l3la1	Alignment	not modelled	97.0	23	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)
71	c5f64C	Alignment	not modelled	96.7	24	PDB header: transcription regulator Chain: C: PDB Molecule: positive transcription regulator evga; PDBTitle: putative positive transcription regulator (sensor evgs) from shigella2 flexneri
72	c4go1A	Alignment	not modelled	96.7	19	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator lsrr; PDBTitle: crystal structure of full length transcription repressor lsrr from e.2 coli.
73	c2w48D	Alignment	not modelled	96.5	19	PDB header: transcription Chain: D: PDB Molecule: sorbitol operon regulator; PDBTitle: crystal structure of the full-length sorbitol operon2 regulator sorc from klebsiella pneumoniae
74	c4yn8A	Alignment	not modelled	96.4	17	PDB header: dna binding protein Chain: A: PDB Molecule: response regulator chra; PDBTitle: crystal structure of response regulator chra in heme-sensing two2 component system
75	c5o8yG	Alignment	not modelled	96.4	25	PDB header: transcription Chain: G: PDB Molecule: transcriptional regulatory protein rcsb; PDBTitle: conformational dynamism for dna interaction in salmonella typhimurium2 rcsb response regulator.
76	c1zn2A	Alignment	not modelled	96.3	22	PDB header: transcription regulator Chain: A: PDB Molecule: response regulatory protein; PDBTitle: low resolution structure of response regulator styr
77	c4if4A	Alignment	not modelled	96.3	25	PDB header: transcription Chain: A: PDB Molecule: response regulator protein vvar; PDBTitle: crystal structure of the magnesium and beryll fluoride-activated vvar2 from staphylococcus aureus
78	c3c3wB	Alignment	not modelled	96.3	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
						PDB header: transcription

79	c3kinC_	Alignment	not modelled	96.2	24	Chain: C: PDB Molecule: transcriptional regulator, luxr family; PDBTitle: vibrio cholerae vpst
80	c2jpcA_	Alignment	not modelled	96.2	22	PDB header: dna binding protein Chain: A: PDB Molecule: ssrb; PDBTitle: ssrb dna binding protein
81	c4hyeB_	Alignment	not modelled	96.1	23	PDB header: transcription activator Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of a response regulator spr1814 from streptococcus2 pneumoniae reveals unique interdomain contacts among narl family3 proteins
82	c6ideA_	Alignment	not modelled	95.9	27	PDB header: transcription/dna Chain: A: PDB Molecule: transcriptional regulator luxr family; PDBTitle: crystal structure of the vibrio cholera vqma-ligand-dna complex2 provides molecular mechanisms for drug design
83	c5hevC_	Alignment	not modelled	95.9	23	PDB header: transcription Chain: C: PDB Molecule: response regulator protein vrrar; PDBTitle: crystal structure of the beryll fluoride-activated liar from2 enterococcus faecium
84	c5xt2C_	Alignment	not modelled	95.8	20	PDB header: dna binding protein Chain: C: PDB Molecule: response regulator fixj; PDBTitle: crystal structures of full-length fixj from b. japonicum crystallized2 in space group p212121
85	c1rnlA_	Alignment	not modelled	95.6	16	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
86	c1u78A_	Alignment	not modelled	95.2	21	PDB header: dna binding protein/dna Chain: A: PDB Molecule: transposable element tc3 transposase; PDBTitle: structure of the bipartite dna-binding domain of tc32 transposase bound to transposon dna
87	c2w7nA_	Alignment	not modelled	94.6	13	PDB header: transcription/dna Chain: A: PDB Molecule: trfb transcriptional repressor protein; PDBTitle: crystal structure of kora bound to operator dna: insight into2 repressor cooperation in rp4 gene regulation
88	c6gh5M_	Alignment	not modelled	93.9	13	PDB header: transcription Chain: M: PDB Molecule: rna polymerase sigma-54 factor,rna polymerase sigma-54 PDBTitle: cryo-em structure of bacterial rna polymerase-sigma54 holoenzyme2 transcription open complex
89	c3r0aB_	Alignment	not modelled	93.8	9	PDB header: transcription regulator Chain: B: PDB Molecule: putative transcriptional regulator; PDBTitle: possible transcriptional regulator from methanosarcina mazei go1 (gi2 21227196)
90	c6cmvA_	Alignment	not modelled	93.8	21	PDB header: gene regulation Chain: A: PDB Molecule: transcriptional regulator lrs14-like protein; PDBTitle: crystal structure of archaeal biofilm regulator (abfr2) from2 sulfolobus acidocaldarius
91	d2d1ha1	Alignment	not modelled	93.3	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: TrmB-like
92	d2ao9a1	Alignment	not modelled	93.1	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Nanomeric phage protein-like
93	c2x4hA_	Alignment	not modelled	92.3	17	PDB header: transcription Chain: A: PDB Molecule: hypothetical protein sso2273; PDBTitle: crystal structure of the hypothetical protein sso2273 from2 sulfolobus solfataricus
94	d1jhfa1	Alignment	not modelled	92.3	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: LexA repressor, N-terminal DNA-binding domain
95	d2cfxa1	Alignment	not modelled	92.2	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
96	c2elhA_	Alignment	not modelled	92.0	22	PDB header: dna binding protein Chain: A: PDB Molecule: cg11849-pa; PDBTitle: solution structure of the cenp-b n-terminal dna-binding2 domain of fruit fly distal antenna cg11849-pa
97	c3nqoB_	Alignment	not modelled	91.8	15	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
98	d2o38a1	Alignment	not modelled	91.6	20	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: NE1354
99	c2o38A_	Alignment	not modelled	91.6	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: putative xre family transcriptional regulator
100	d1pdnc_	Alignment	not modelled	91.3	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
101	d1biaa1	Alignment	not modelled	91.3	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Biotin repressor-like
102	c4czdD_	Alignment	not modelled	91.2	12	PDB header: lyase Chain: D: PDB Molecule: putative transcriptional regulator, asnc family; PDBTitle: sirohaem decarboxylase ahba/b - an enzyme with structural homology2 to the lrp/asnc transcription factor family that is part of the3 alternative haem biosynthesis pathway.
103	c6paxA_	Alignment	not modelled	91.1	10	PDB header: gene regulation/dna Chain: A: PDB Molecule: homeobox protein pax-6; PDBTitle: crystal structure of the human pax-6 paired domain-dna2 complex reveals a general model for pax protein-dna3 interactions
104	d1trra_	Alignment	not modelled	91.0	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: TrpR-like

						Family: Trp repressor, TrpR
105	c4nb5D	Alignment	not modelled	91.0	8	PDB header: dna binding protein Chain: D: PDB Molecule: dna binding protein; PDBTitle: crystal structure of a transcriptional regulator
106	d1ku9a	Alignment	not modelled	90.7	12	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: DNA-binding protein Mj223
107	d2cg4a1	Alignment	not modelled	90.7	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
108	c2p6tH	Alignment	not modelled	90.6	11	PDB header: transcription Chain: H: PDB Molecule: transcriptional regulator, lrp/asnc family; PDBTitle: crystal structure of transcriptional regulator nmb0573 and l-leucine2 complex from neisseria meningitidis
109	d2cyya1	Alignment	not modelled	90.5	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
110	c3hyaA	Alignment	not modelled	90.4	19	PDB header: transcription regulator Chain: A: PDB Molecule: protein duf199/whia; PDBTitle: crystal structure of full-length duf199/whia from thermatoga maritima
111	c6j0eB	Alignment	not modelled	90.4	9	PDB header: transcription Chain: B: PDB Molecule: arsenic responsive repressor arsr; PDBTitle: structures of two arsr as(iii)-responsive repressors: implications for2 the mechanism of derepression
112	c2wteB	Alignment	not modelled	90.1	6	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.
113	c2cfxD	Alignment	not modelled	90.1	11	PDB header: transcription Chain: D: PDB Molecule: hth-type transcriptional regulator lrp; PDBTitle: structure of b.subtilis lrp
114	d1hlva1	Alignment	not modelled	90.0	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Centromere-binding
115	c2vzbA	Alignment	not modelled	89.8	21	PDB header: dna-binding protein Chain: A: PDB Molecule: transcriptional regulatory protein; PDBTitle: feast or famine regulatory protein (rv3291c)from m.2 tuberculosis complexed with l-tryptophan
116	d1stza1	Alignment	not modelled	89.5	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Heat-inducible transcription repressor HrcA, N-terminal domain
117	c3zmdD	Alignment	not modelled	89.5	13	PDB header: transcription Chain: D: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of absc, a marr family transcriptional2 regulator from streptomyces coelicolor
118	d2a6ca1	Alignment	not modelled	89.3	15	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: NE1354
119	d1ilga1	Alignment	not modelled	89.2	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
120	c2cg4B	Alignment	not modelled	89.0	18	PDB header: transcription Chain: B: PDB Molecule: regulatory protein asnc; PDBTitle: structure of e.coli asnc