







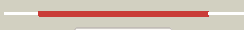










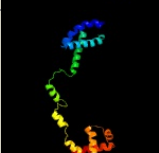

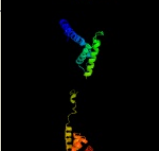


Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0445c_(sigK)_533836_534399
 Date Tue Jul 23 14:50:52 BST 2019
 Unique Job ID b968010e93083041

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6dvdF_	 Alignment		99.9	23	PDB header: transferase/dna Chain: F; PDB Molecule: ecf rna polymerase sigma factor sigI; PDBTitle: crystal structure of mycobacterium tuberculosis transcription2 initiation complex(ecf sigma factor I) with 6 nt spacer and bromine3 labelled in position "-11
2	c2q1zA_	 Alignment		99.9	31	PDB header: transcription Chain: A; PDB Molecule: rpoe, ecf sigE; PDBTitle: crystal structure of rhodobacter sphaeroides sigE in complex with the2 anti-sigma chrr
3	c5ipmF_	 Alignment		99.9	20	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
4	c3vdoA_	 Alignment		99.9	94	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
5	c4cxfA_	 Alignment		99.9	18	PDB header: transcription Chain: A; PDB Molecule: rna polymerase sigma factor cnrh; PDBTitle: structure of cnrh in complex with the cytosolic domain of cnry
6	c1or7A_	 Alignment		99.9	21	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
7	c5wurB_	 Alignment		99.9	22	PDB header: metal binding protein Chain: B; PDB Molecule: ecf rna polymerase sigma factor sigW; PDBTitle: crystal structure of sigW in complex with its anti-sigma rsiw, an2 oxidized form
8	c6c03A_	 Alignment		99.9	28	PDB header: transcription Chain: A; PDB Molecule: putative rna polymerase ecf-subfamily sigma factor; PDBTitle: the crystal structure streptomyces venezuelae rsbn-bldn complex
9	c5uxxC_	 Alignment		99.9	19	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
10	c5zx3F_	 Alignment		99.9	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
11	c5tw1F_	 Alignment		99.9	18	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

12	c1rp3G_	Alignment		99.8	15	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
13	c3t0yA_	Alignment		99.8	18	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
14	c5xe7A_	Alignment		99.8	18	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
15	c6c05F_	Alignment		99.8	19	PDB header: transcription Chain: F: PDB Molecule: rna polymerase sigma factor sigma; PDBTitle: mycobacterium tuberculosis rnap holo/rbpa in relaxed state
16	c2lfwA_	Alignment		99.8	12	PDB header: signaling protein Chain: A: PDB Molecule: phyr sigma-like domain; PDBTitle: nmr structure of the phyrsl-nepr complex from sphingomonas sp. fr1
17	c3wodF_	Alignment		99.8	17	PDB header: transferase/transcription Chain: F: PDB Molecule: rna polymerase sigma factor; PDBTitle: rna polymerase-gp39 complex
18	c3mzyA_	Alignment		99.7	15	PDB header: rna binding protein 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
19	c2a6eF_	Alignment		99.6	20	PDB header: transferase Chain: F: PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: crystal structure of the t. thermophilus rna polymerase2 holoenzyme
20	c1l9uH_	Alignment		99.6	16	PDB header: transcription Chain: H: PDB Molecule: sigma factor sigma; PDBTitle: thermus aquaticus rna polymerase holoenzyme at 4 a2 resolution
21	c4iqcX_	Alignment	not modelled	99.5	20	PDB header: transcription, transferase Chain: X: PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: x-ray crystal structure of escherichia coli sigma70 holoenzyme
22	c3iydF_	Alignment	not modelled	99.4	19	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
23	d1or7a2	Alignment	not modelled	99.4	20	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
24	d1or7b2	Alignment	not modelled	99.3	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
25	c3hugA_	Alignment	not modelled	99.3	27	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 sigI
26	c2o7gA_	Alignment	not modelled	99.3	29	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
27	d1rp3a2	Alignment	not modelled	99.2	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
28	d1or7a1	Alignment	not modelled	99.2	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
						PDB header: membrane protein/transcription

29	c3vepA	Alignment	not modelled	99.2	23	Chain: A: PDB Molecule: probable rna polymerase sigma-d factor; PDBTitle: crystal structure of sigd4 in complex with its negative regulator rsda
30	c2o8xA	Alignment	not modelled	99.1	28	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
31	c5fgmA	Alignment	not modelled	99.1	29	PDB header: hydrolase Chain: A: PDB Molecule: ecf rna polymerase sigma factor sigr; PDBTitle: streptomyces coelicolor sigr region 4
32	d1xsva	Alignment	not modelled	99.0	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: YlxM/p13-like
33	d1s7oa	Alignment	not modelled	99.0	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: YlxM/p13-like
34	d1smyf2	Alignment	not modelled	98.9	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
35	d1h3la	Alignment	not modelled	98.9	19	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
36	c3n0rA	Alignment	not modelled	98.8	14	PDB header: signaling protein Chain: A: PDB Molecule: response regulator; PDBTitle: structure of the phyr stress response regulator at 1.25 angstrom2 resolution
37	d1ttya	Alignment	not modelled	98.8	22	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
38	d1ku7a	Alignment	not modelled	98.7	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
39	d1ku3a	Alignment	not modelled	98.6	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
40	c5d4dP	Alignment	not modelled	98.4	15	PDB header: transcription/dna Chain: P: PDB Molecule: rna polymerase sigma factor siga; PDBTitle: crystal structure of thermus thermophilus product complex for2 transcription initiation with nad and ctp
41	c4x8kA	Alignment	not modelled	98.4	19	PDB header: transcription activator Chain: A: PDB Molecule: rna polymerase sigma factor siga; PDBTitle: mycobacterium tuberculosis rbpA-sid in complex with sigmaA domain 2
42	d2p7vb1	Alignment	not modelled	98.4	24	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain
43	d1rp3a3	Alignment	not modelled	98.4	11	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
44	c1ku2A	Alignment	not modelled	98.4	16	PDB header: transcription Chain: A: PDB Molecule: sigma factor siga; PDBTitle: crystal structure of thermus aquaticus rna polymerase sigma2 subunit fragment containing regions 1.2 to 3.1
45	c3t72o	Alignment	not modelled	98.4	24	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
46	d1yioa1	Alignment	not modelled	98.1	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)
47	c3qp5C	Alignment	not modelled	98.0	15	PDB header: transcription Chain: C: PDB Molecule: cvir transcriptional regulator; PDBTitle: crystal structure of cvir bound to antagonist chlorolactone (cl)
48	c4ifuA	Alignment	not modelled	98.0	11	PDB header: dna binding protein Chain: A: PDB Molecule: regulatory protein sdia; PDBTitle: crystal structure of escherichia coli sdia in the space group c2
49	c3sztB	Alignment	not modelled	98.0	24	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
50	c4qicC	Alignment	not modelled	97.9	15	PDB header: signaling protein/dna binding protein Chain: C: PDB Molecule: sensory transduction regulatory protein, anti-anti-sigma PDBTitle: co-crystal structure of anti-anti-sigma factor phyr complexed with2 anti-sigma factor nepr from bartonella quintana
51	c2q0aA	Alignment	not modelled	97.9	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
52	c1h0mD	Alignment	not modelled	97.9	13	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
53	c1zljE	Alignment	not modelled	97.9	30	PDB header: transcription Chain: E: PDB Molecule: dormancy survival regulator; PDBTitle: crystal structure of the mycobacterium tuberculosis hypoxic2 response regulator dosr c-terminal domain
54	d1smyf3	Alignment	not modelled	97.8	15	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors

						Family: Sigma2 domain of RNA polymerase sigma factors
55	d1a04a1	Alignment	not modelled	97.8	28	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)
56	d1siga_	Alignment	not modelled	97.8	17	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
57	c1x3uA_	Alignment	not modelled	97.8	17	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
58	c5yixA_	Alignment	not modelled	97.8	15	PDB header: dna binding protein Chain: A: PDB Molecule: rrna polymerase sigma factor rpod; PDBTitle: caulobacter crescentus gcra sigma-interacting domain (sid) in complex2 with domain 2 of sigma 70
59	d1ku2a2	Alignment	not modelled	97.7	16	Fold: Sigma2 domain of RNA polymerase sigma factors Superfamily: Sigma2 domain of RNA polymerase sigma factors Family: Sigma2 domain of RNA polymerase sigma factors
60	c2rniA_	Alignment	not modelled	97.7	21	PDB header: transcription Chain: A: PDB Molecule: response regulator protein vvar; PDBTitle: nmr structure of the s. aureus vvar dna binding domain
61	c6jqsA_	Alignment	not modelled	97.7	18	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding response regulator; PDBTitle: structure of transcription factor, gere
62	c2krfB_	Alignment	not modelled	97.7	18	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein coma; PDBTitle: nmr solution structure of the dna binding domain of competence protein2 a
63	d1p4wa_	Alignment	not modelled	97.6	24	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)
64	d1fsea_	Alignment	not modelled	97.6	26	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	d1l3la1	Alignment	not modelled	97.6	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)
66	c3c3wB_	Alignment	not modelled	97.5	25	PDB header: transcription Chain: B: PDB Molecule: two component transcriptional regulatory protein devr; PDBTitle: crystal structure of the mycobacterium tuberculosis hypoxic response2 regulator dosr
67	c5o8yG_	Alignment	not modelled	97.5	24	PDB header: transcription Chain: G: PDB Molecule: transcriptional regulatory protein rcsb; PDBTitle: conformational dynamism for dna interaction in salmonella typhimurium2 rcsb response regulator.
68	c3cloC_	Alignment	not modelled	97.5	18	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
69	c5f64C_	Alignment	not modelled	97.4	9	PDB header: transcription regulator Chain: C: PDB Molecule: positive transcription regulator evga; PDBTitle: putative positive transcription regulator (sensor evgs) from shigella2 flexneri
70	c4yn8A_	Alignment	not modelled	97.4	18	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
71	c4hyeB_	Alignment	not modelled	97.3	20	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
72	c3klnC_	Alignment	not modelled	97.3	22	PDB header: transcription Chain: C: PDB Molecule: transcriptional regulator, luxr family; PDBTitle: vibrio cholerae vpst
73	c1rn1A_	Alignment	not modelled	97.3	27	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
74	c4if4A_	Alignment	not modelled	97.3	20	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
75	c5hevC_	Alignment	not modelled	97.2	24	PDB header: transcription Chain: C: PDB Molecule: response regulator protein vvar; PDBTitle: crystal structure of the beryll fluoride-activated liar from2 enterococcus faecium
76	c2jpcA_	Alignment	not modelled	97.2	25	PDB header: dna binding protein Chain: A: PDB Molecule: ssrb; PDBTitle: ssrb dna binding protein
77	c1zn2A_	Alignment	not modelled	97.2	19	PDB header: transcription regulator Chain: A: PDB Molecule: response regulatory protein; PDBTitle: low resolution structure of response regulator sty
78	c5xt2C_	Alignment	not modelled	97.0	16	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
79	c6ideA_	Alignment	not modelled	97.0	14	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

80	c1u78A	Alignment	not modelled	96.6	25	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
81	c6paxA	Alignment	not modelled	96.3	21	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
82	d1pdnc	Alignment	not modelled	96.3	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
83	d1k78a1	Alignment	not modelled	95.4	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
84	c2cfxD	Alignment	not modelled	95.4	19	PDB header: transcription Chain: D: PDB Molecule: hth-type transcriptional regulator lrpc; PDBTitle: structure of b.subtilis lrpc
85	c2cg4B	Alignment	not modelled	95.2	16	PDB header: transcription Chain: B: PDB Molecule: regulatory protein asnc; PDBTitle: structure of e.coli asnc
86	c2elhA	Alignment	not modelled	95.1	20	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
87	d2jn6a1	Alignment	not modelled	95.0	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Cgl2762-like
88	c2vzbA	Alignment	not modelled	94.9	28	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
89	d2cg4a1	Alignment	not modelled	94.9	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
90	c2dbbA	Alignment	not modelled	94.9	20	PDB header: transcriptional regulator Chain: A: PDB Molecule: putative hth-type transcriptional regulator ph0061; PDBTitle: crystal structure of ph0061
91	d2cfxa1	Alignment	not modelled	94.8	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
92	d6paxa1	Alignment	not modelled	94.8	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
93	c2m8eA	Alignment	not modelled	94.6	19	PDB header: dna binding protein Chain: A: PDB Molecule: sleeping beauty transposase; PDBTitle: nmr structure of the pai subdomain of sleeping beauty transposase
94	c2ia0A	Alignment	not modelled	94.5	30	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative hth-type transcriptional regulator pf0864; PDBTitle: transcriptional regulatory protein pf0864 from pyrococcus furiosus a2 member of the asnc family (pf0864)
95	c2p6tH	Alignment	not modelled	94.2	27	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
96	c4czdD	Alignment	not modelled	94.1	7	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.
97	c2e7xA	Alignment	not modelled	94.1	14	PDB header: transcription regulator Chain: A: PDB Molecule: 150aa long hypothetical transcriptional regulator; PDBTitle: structure of the lrp/asnc like transcriptional regulator from2 sulfobolus tokodaii 7 complexed with its cognate ligand
98	c4czdA	Alignment	not modelled	94.0	23	PDB header: lyase Chain: A: 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.
99	c3i4pA	Alignment	not modelled	94.0	7	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, asnc family; PDBTitle: crystal structure of asnc family transcriptional regulator from2 agrobacterium tumefaciens
100	c2l4aA	Alignment	not modelled	93.9	23	PDB header: dna binding protein Chain: A: PDB Molecule: leucine responsive regulatory protein; PDBTitle: nmr structure of the dna-binding domain of e.coli lrp
101	c2e1cA	Alignment	not modelled	93.8	24	PDB header: transcription/dna Chain: A: PDB Molecule: putative hth-type transcriptional regulator ph1519; PDBTitle: structure of putative hth-type transcriptional regulator ph1519/dna2 complex
102	d2cyya1	Alignment	not modelled	93.7	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain
103	d2d1ha1	Alignment	not modelled	93.7	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: TrmB-like
104	d1lga1	Alignment	not modelled	93.6	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Lrp/AsnC-like transcriptional regulator N-terminal domain

105	c1i1gA_	Alignment	not modelled	93.6	9	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator lrpa; PDBTitle: crystal structure of the lrp-like transcriptional regulator from the2 archaeon pyrococcus furiosus
106	c2w7nA_	Alignment	not modelled	93.6	5	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
107	c4pccC_	Alignment	not modelled	93.2	16	PDB header: transcription Chain: C: PDB Molecule: possible transcriptional regulatory protein (probably PDBTitle: crystal structure of mtbaldr (rv2779c)
108	c2rn7A_	Alignment	not modelled	93.1	15	PDB header: unknown function Chain: A: PDB Molecule: is629 orfa; PDBTitle: nmr solution structure of tnpe protein from shigella2 flexneri. northeast structural genomics target sfr125
109	c6cmvA_	Alignment	not modelled	93.1	17	PDB header: gene regulation Chain: A: PDB Molecule: transcriptional regulator lrs14-like protein; PDBTitle: crystal structure of archaeal biofilm regulator (abfr2) from2 sulfolobus acidocaldarius
110	d1jhga_	Alignment	not modelled	93.1	31	Fold: DNA/RNA-binding 3-helical bundle Superfamily: TrpR-like Family: Trp repressor, TrpR
111	c5z7iC_	Alignment	not modelled	93.1	13	PDB header: dna binding protein/dna Chain: C: PDB Molecule: cell cycle regulatory protein gcra; PDBTitle: caulobacter crescentus gcra dna-binding domain(dbd)in complex with2 unmethylated dsdna
112	c3pvpA_	Alignment	not modelled	93.0	11	PDB header: dna binding protein/dna Chain: A: PDB Molecule: chromosomal replication initiator protein dnaa; PDBTitle: structure of mycobacterium tuberculosis dnaa-dbd in complex with box22 dna
113	d1hlva1	Alignment	not modelled	92.9	22	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Centromere-binding
114	c5yhxH_	Alignment	not modelled	92.7	16	PDB header: metal binding protein Chain: H: PDB Molecule: zinc transport transcriptional regulator; PDBTitle: structure of lactococcus lactis zittr, wild type
115	c2r0qF_	Alignment	not modelled	92.6	8	PDB header: recombination/dna Chain: F: PDB Molecule: putative transposon tn552 dna-invertase bin3; PDBTitle: crystal structure of a serine recombinase- dna regulatory2 complex
116	c4omzG_	Alignment	not modelled	92.5	3	PDB header: transcription Chain: G: PDB Molecule: nolr; PDBTitle: crystal structure of nolr from sinorhizobium fredii
117	d1trra_	Alignment	not modelled	92.3	28	Fold: DNA/RNA-binding 3-helical bundle Superfamily: TrpR-like Family: Trp repressor, TrpR
118	d2r5yb1	Alignment	not modelled	92.3	11	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
119	d1jhfa1	Alignment	not modelled	92.1	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: LexA repressor, N-terminal DNA-binding domain
120	c1r22B_	Alignment	not modelled	92.1	11	PDB header: transcription repressor Chain: B: PDB Molecule: transcriptional repressor smtb; PDBTitle: crystal structure of the cyanobacterial metallothionein2 repressor smtb (c14s/c61s/c121s mutant) in the zn2alpha5-3 form