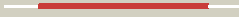










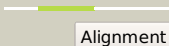

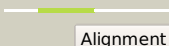


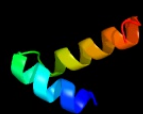
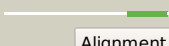

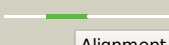

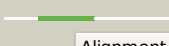

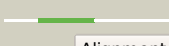
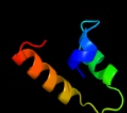

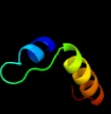


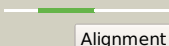
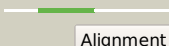
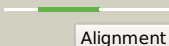
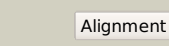
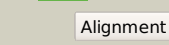
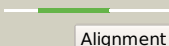
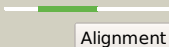



Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD2736c_(recX)_3048572_3049096
 Date Wed Aug 7 12:50:39 BST 2019
 Unique Job ID e1e5a8634869a067

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3d5lA_	 Alignment		100.0	20	PDB header: signaling protein Chain: A: PDB Molecule: regulatory protein recx; PDBTitle: crystal structure of regulatory protein recx
2	c3e3vA_	 Alignment		100.0	19	PDB header: recombination Chain: A: PDB Molecule: regulatory protein recx; PDBTitle: crystal structure of recx from lactobacillus salivarius
3	c3dfgA_	 Alignment		100.0	28	PDB header: recombination Chain: A: PDB Molecule: regulatory protein recx; PDBTitle: crystal structure of recx: a potent inhibitor protein of f2 reca from xanthomonas campestris
4	c3c1dA_	 Alignment		100.0	17	PDB header: recombination, dna binding protein Chain: A: PDB Molecule: regulatory protein recx; PDBTitle: x-ray crystal structure of recx
5	c4eqqA_	 Alignment		94.1	13	PDB header: protein binding Chain: A: PDB Molecule: putative host cell surface-exposed lipoprotein; PDBTitle: structure of ltp, a superinfection exclusion protein from the2 streptococcus thermophilus temperate phage tp-j34
6	c4ae4B_	 Alignment		73.7	21	PDB header: protein transport Chain: B: PDB Molecule: ubiquitin-associated protein 1; PDBTitle: the ubap1 subunit of escrt-i interacts with ubiquitin via a novel2 souba domain
7	c4esbA_	 Alignment		70.9	23	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, padr family; PDBTitle: crystal structure of padr-like transcriptional regulator (bc4206) from2 bacillus cereus strain atcc 14579
8	c5h20A_	 Alignment		64.9	19	PDB header: transcription regulator Chain: A: PDB Molecule: putative padr-family transcriptional regulatory protein; PDBTitle: x-ray structure of padr-like transcription factor from bacteroid2 fragilis
9	c5zhcA_	 Alignment		64.1	26	PDB header: dna binding protein Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: crystal structure of the padr-family transcriptional regulator rv34882 of mycobacterium tuberculosis h37rv
10	c3ri2B_	 Alignment		62.5	29	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator, padr-like family; PDBTitle: crystal structure of padr family transcriptional regulator from2 eggerthella lenta dsm 2243
11	c5yhxH_	 Alignment		62.4	27	PDB header: metal binding protein Chain: H: PDB Molecule: zinc transport transcriptional regulator; PDBTitle: structure of lactococcus lactis zittr, wild type

12	c3kp3B_	 Alignment		60.4	20	PDB header: transcription regulator/antibiotic Chain: B: PDB Molecule: transcriptional regulator tcar; PDBTitle: staphylococcus epidermidis in complex with ampicillin
13	c3hhhA_	 Alignment		60.2	23	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, padr family; PDBTitle: crystal structure of transcriptional regulator, a member of padr2 family, from enterococcus faecalis v583
14	c2m45A_	 Alignment		60.0	9	PDB header: hydrolase Chain: A: PDB Molecule: minichromosome maintenance protein mcm; PDBTitle: nmr solution structure of the c-terminus of the minichromosome2 maintenance protein mcm from sulfolobus solfataricus
15	c5i87A_	 Alignment		59.7	13	PDB header: membrane protein Chain: A: PDB Molecule: peroxin 14; PDBTitle: targeting the pex14-pex5 interaction by small molecules provides novel2 therapeutic routes to treat trypanosomiasis.
16	d1p6ra_	 Alignment		58.8	22	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Penicillinase repressor
17	c4esfA_	 Alignment		58.3	26	PDB header: transcription Chain: A: PDB Molecule: padr-like transcriptional regulator; PDBTitle: crystal structure of padr-like transcriptional regulator (bce3449)2 from bacillus cereus strain atcc 10987
18	c5dymA_	 Alignment		58.0	23	PDB header: dna binding protein Chain: A: PDB Molecule: padr-family transcriptional regulator; PDBTitle: crystal structure of a padr family transcription regulator from2 hypervirulent clostridium difficile r20291 - cdpadr_0991 to 1.893 angstrom resolution
19	c1dpuA_	 Alignment		57.4	20	PDB header: dna binding protein Chain: A: PDB Molecule: replication protein a (rpa32) c-terminal domain; PDBTitle: solution structure of the c-terminal domain of human rpa322 complexed with ung2(73-88)
20	d1dpua_	 Alignment		57.4	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal domain of RPA32
21	c3f8fA_	 Alignment	not modelled	56.4	16	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator, padr-like family; PDBTitle: crystal structure of multidrug binding transcriptional regulator lmrr2 complexed with daunomycin
22	c3l7wA_	 Alignment	not modelled	54.8	14	PDB header: transcription Chain: A: PDB Molecule: putative uncharacterized protein smu.1704; PDBTitle: the crystal structure of smu.1704 from streptococcus mutans ua159
23	d1ulya_	 Alignment	not modelled	54.6	29	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Hypothetical protein PH1932
24	c6jyiB_	 Alignment	not modelled	54.2	15	PDB header: transcription Chain: B: PDB Molecule: transcriptional repressor padr; PDBTitle: crystal structure of the padr-like transcriptional regulator bc17562 from bacillus cereus
25	c2mh2A_	 Alignment	not modelled	53.3	27	PDB header: dna binding protein Chain: A: PDB Molecule: homologous-pairing protein 2 homolog; PDBTitle: structural insights into the dna recognition and protein interaction2 domains reveal fundamental homologous dna pairing properties of hop2
26	c2ma3A_	 Alignment	not modelled	53.1	8	PDB header: replication Chain: A: PDB Molecule: dna replication initiator (cdc21/cdc54); PDBTitle: nmr solution structure of the c-terminus of the minichromosome2 maintenance protein mcm from methanothermobacter thermautotrophicus
27	d1ub9a_	 Alignment	not modelled	52.8	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
						Fold: DNA/RNA-binding 3-helical bundle

28	d2p4wa1	Alignment	not modelled	52.6	32	Superfamily: "Winged helix" DNA-binding domain Family: PF1790-like
29	c3f6vA	Alignment	not modelled	52.5	27	PDB header: transcription regulator Chain: A: PDB Molecule: possible transcriptional regulator, arsr family protein; PDBTitle: crystal structure of possible transcriptional regulator for arsenical2 resistance
30	c2e5nA	Alignment	not modelled	51.8	25	PDB header: transcription Chain: A: PDB Molecule: rna polymerase ii elongation factor ell2; PDBTitle: solution structure of the ell_n2 domain of target of rna2 polymerase ii elongation factor ell2
31	c2kebA	Alignment	not modelled	51.1	12	PDB header: dna binding protein Chain: A: PDB Molecule: dna polymerase subunit alpha b; PDBTitle: nmr solution structure of the n-terminal domain of the dna polymerase2 alpha p68 subunit
32	c4e2i3	Alignment	not modelled	51.1	12	PDB header: hydrolase/dna binding protein Chain: 3: PDB Molecule: dna polymerase alpha subunit b; PDBTitle: the complex structure of the sv40 helicase large t antigen and p682 subunit of dna polymerase alpha-primase
33	d2g9wa1	Alignment	not modelled	51.1	34	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Penicillinase repressor
34	c3hruA	Alignment	not modelled	51.1	20	PDB header: transcription Chain: A: PDB Molecule: metalloregulator scar; PDBTitle: crystal structure of scar with bound zn2+
35	c5aonB	Alignment	not modelled	50.7	24	PDB header: signaling protein Chain: B: PDB Molecule: peroxin 14; PDBTitle: crystal structure of the conserved n-terminal domain of2 pex14 from trypanosoma brucei
36	c1xmaA	Alignment	not modelled	49.2	19	PDB header: transcription Chain: A: PDB Molecule: predicted transcriptional regulator; PDBTitle: structure of a transcriptional regulator from clostridium thermocellum2 cth-833
37	d1xmaa	Alignment	not modelled	49.2	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PadR-like
38	c3f6oB	Alignment	not modelled	48.6	20	PDB header: transcription regulator Chain: B: PDB Molecule: probable transcriptional regulator, arsr family PDBTitle: crystal structure of arsr family transcriptional regulator,2 rha00566
39	c5jlsA	Alignment	not modelled	47.9	20	PDB header: transcription Chain: A: PDB Molecule: adhesin competence repressor; PDBTitle: crystal structure of adhesin competence repressor (adcr) from2 streptococcus pyogenes (c-terminally his tagged)
40	c2k4bA	Alignment	not modelled	46.8	16	PDB header: dna binding protein Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: copr repressor structure
41	d1sd4a	Alignment	not modelled	46.2	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Penicillinase repressor
42	d1hsja1	Alignment	not modelled	44.4	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
43	c3elkA	Alignment	not modelled	44.1	23	PDB header: transcription regulator Chain: A: PDB Molecule: putative transcriptional regulator ta0346; PDBTitle: crystal structure of putative transcriptional regulator ta0346 from2 thermoplasma acidophilum
44	c5zqhA	Alignment	not modelled	43.1	19	PDB header: dna binding protein Chain: A: PDB Molecule: padr family transcriptional regulator; PDBTitle: crystal structure of streptococcus transcriptional regulator
45	c2xvzA	Alignment	not modelled	41.6	10	PDB header: metal binding protein Chain: A: PDB Molecule: chelataase, putative; PDBTitle: cobalt chelatase cbik (periplasmatic) from desulvobrio2 vulgaris hildenborough (co-crystallized with cobalt)
46	c2e1nA	Alignment	not modelled	41.2	20	PDB header: circadian clock protein Chain: A: PDB Molecule: pex; PDBTitle: crystal structure of the cyanobacterium circadian clock modifier pex
47	c3f3xA	Alignment	not modelled	41.0	25	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, marr family, putative; PDBTitle: crystal structure of the transcriptional regulator bldr from2 sulfolobus solfataricus
48	c3tgnA	Alignment	not modelled	40.9	28	PDB header: transcription Chain: A: PDB Molecule: adc operon repressor adcr; PDBTitle: crystal structure of the zinc-dependent marr family transcriptional2 regulator adcr in the zn(ii)-bound state
49	c6faqA	Alignment	not modelled	40.8	22	PDB header: dna binding protein Chain: A: PDB Molecule: dna binding protein; PDBTitle: structure of h. salinarum rosr (vng0258) grown from kbr
50	c2gxgA	Alignment	not modelled	40.8	30	PDB header: transcription Chain: A: PDB Molecule: 146aa long hypothetical transcriptional regulator; PDBTitle: crystal structure of emrr homolog from hyperthermophilic archaea2 sulfolobus tokodaii strain7
51	d2prra1	Alignment	not modelled	40.4	7	Fold: AhpD-like Superfamily: AhpD-like Family: Atu0492-like
52	c2pexA	Alignment	not modelled	40.3	21	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator ohrr; PDBTitle: structure of reduced c22s ohrr from xanthamonas campestris
53	c2ev5B	Alignment	not modelled	39.9	14	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulator mntr; PDBTitle: bacillus subtilis manganese transport regulator (mntr)2

						bound to calcium
54	c2jnhA	Alignment	not modelled	39.9	22	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase cbl-b; PDBTitle: solution structure of the uba domain from cbl-b
55	c2oqgA	Alignment	not modelled	39.8	27	PDB header: transcription Chain: A: PDB Molecule: possible transcriptional regulator, arsr family protein; PDBTitle: arsr-like transcriptional regulator from rhodococcus sp. rha1
56	c2do6A	Alignment	not modelled	39.1	22	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase cbl-b; PDBTitle: solution structure of rsgi ruh-065, a uba domain from human2 cdna
57	c2d9sA	Alignment	not modelled	37.6	17	PDB header: ligase Chain: A: PDB Molecule: cbl e3 ubiquitin protein ligase; PDBTitle: solution structure of rsgi ruh-049, a uba domain from mouse2 cdna
58	c4yifE	Alignment	not modelled	37.4	30	PDB header: dna binding protein Chain: E: PDB Molecule: marr family protein rv0880; PDBTitle: crystal structure of rv0880
59	d2fbha1	Alignment	not modelled	35.9	40	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
60	c3l9fD	Alignment	not modelled	35.2	18	PDB header: transcription regulator Chain: D: PDB Molecule: putative uncharacterized protein smu.1604c; PDBTitle: the crystal structure of smu.1604c from streptococcus mutans ua159
61	c1g3wA	Alignment	not modelled	34.4	21	PDB header: gene regulation Chain: A: PDB Molecule: diphtheria toxin repressor; PDBTitle: cd-cys102ser dtxr
62	c2qwwB	Alignment	not modelled	34.1	20	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulator, marr family; PDBTitle: crystal structure of multiple antibiotic-resistance repressor (marr)2 (yp_013417.1) from listeria monocytogenes 4b f2365 at 2.07 a3 resolution
63	c3mwmA	Alignment	not modelled	33.9	30	PDB header: transcription Chain: A: PDB Molecule: putative metal uptake regulation protein; PDBTitle: graded expression of zinc-responsive genes through two regulatory2 zinc-binding sites in zur
64	c2dqlA	Alignment	not modelled	33.5	21	PDB header: circadian clock protein Chain: A: PDB Molecule: pex protein; PDBTitle: crystal structure of the circadian clock associated protein pex from2 anabaena
65	c6jbxB	Alignment	not modelled	33.2	13	PDB header: transcription/dna Chain: B: PDB Molecule: fatty acid biosynthesis transcriptional regulator; PDBTitle: crystal structure of streptococcus pneumoniae fabt in complex with dna
66	d1i27a	Alignment	not modelled	33.1	24	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal domain of the rap74 subunit of TFIIF
67	d1yg2a	Alignment	not modelled	33.1	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PadR-like
68	c5x11G	Alignment	not modelled	32.9	15	PDB header: transcription/dna Chain: G: PDB Molecule: transcriptional regulator; PDBTitle: crystal structure of bacillus subtilis padr in complex with operator2 dna
69	c3fwcO	Alignment	not modelled	32.5	29	PDB header: cell cycle, transcription Chain: O: PDB Molecule: protein sus1; PDBTitle: sac3:sus1:cdc31 complex
70	c3ff5B	Alignment	not modelled	32.3	20	PDB header: protein transport Chain: B: PDB Molecule: peroxisomal biogenesis factor 14; PDBTitle: crystal structure of the conserved n-terminal domain of the2 peroxisomal matrix-protein-import receptor, pex14p
71	c3k69A	Alignment	not modelled	31.5	23	PDB header: transcription Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of a putative transcriptional regulator (lp_0360)2 from lactobacillus plantarum at 1.95 a resolution
72	c2it0A	Alignment	not modelled	31.4	19	PDB header: transcription/dna Chain: A: PDB Molecule: iron-dependent repressor ider; PDBTitle: crystal structure of a two-domain ider-dna complex crystal2 form ii
73	d1r1ta	Alignment	not modelled	30.7	27	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: ArsR-like transcriptional regulators
74	d2fbia1	Alignment	not modelled	30.6	28	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
75	d3deua1	Alignment	not modelled	30.5	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
76	c4hf1B	Alignment	not modelled	30.1	18	PDB header: transcription/dna Chain: B: PDB Molecule: hth-type transcriptional regulator iscr; PDBTitle: crystal structure of iscr bound to its promoter
77	d2esha1	Alignment	not modelled	29.6	30	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PadR-like
78	c3zmdD	Alignment	not modelled	29.3	18	PDB header: transcription Chain: D: PDB Molecule: putative transcriptional regulator; PDBTitle: crystal structure of absc, a marr family transcriptional2 regulator from streptomyces coelicolor
						Fold: DNA/RNA-binding 3-helical bundle

79	d2d1ha1	Alignment	not modelled	29.2	21	Superfamily: "Winged helix" DNA-binding domain Family: TrmB-like
80	c1fx7C	Alignment	not modelled	28.9	19	PDB header: signaling protein Chain: C: PDB Molecule: iron-dependent repressor iber; PDBTitle: crystal structure of the iron-dependent regulator (ider) from2 mycobacterium tuberculosis
81	d2a61a1	Alignment	not modelled	28.9	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
82	c2qufB	Alignment	not modelled	28.8	18	PDB header: transcription Chain: B: PDB Molecule: transcription factor pf0095; PDBTitle: crystal structure of transcription factor axxa-pf0095 from pyrococcus2 furiosus
83	d2hr3a1	Alignment	not modelled	28.7	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
84	c4y66C	Alignment	not modelled	28.7	22	PDB header: cell cycle Chain: C: PDB Molecule: mnd1; PDBTitle: crystal structure of giardia lamblia hop2-mnd1 complex
85	d2doaa1	Alignment	not modelled	28.4	30	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: ELL N2 domain-like
86	c1r22B	Alignment	not modelled	28.2	27	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
87	c3zplE	Alignment	not modelled	28.1	33	PDB header: transcription/dna Chain: E: PDB Molecule: putative marr-family transcriptional repressor; PDBTitle: crystal structure of sco3205, a marr family transcriptional regulator2 from streptomyces coelicolor, in complex with dna
88	c2hoeA	Alignment	not modelled	28.1	24	PDB header: transferase Chain: A: PDB Molecule: n-acetylglucosamine kinase; PDBTitle: crystal structure of n-acetylglucosamine kinase (tm1224) from2 thermotoga maritima at 2.46 a resolution
89	d1okra	Alignment	not modelled	28.1	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Penicillinase repressor
90	d2bv6a1	Alignment	not modelled	27.7	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
91	c4bs9A	Alignment	not modelled	27.6	29	PDB header: isomerase Chain: A: PDB Molecule: trud; PDBTitle: structure of the heterocyclase trud
92	d2ev0a1	Alignment	not modelled	27.3	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Iron-dependent repressor protein
93	c6drpB	Alignment	not modelled	26.9	13	PDB header: immune system Chain: B: PDB Molecule: nlr family card domain-containing protein 4; PDBTitle: cryo-em structures of asc and nlrc4 card filaments reveal a unified2 mechanism of nucleation and activation of caspase-1
94	c4i7hA	Alignment	not modelled	26.9	13	PDB header: transcription Chain: A: PDB Molecule: peroxide stress sensing regulator; PDBTitle: structural basis for peroxide sensing and gene regulation by perr from2 streptococcus pyogenes
95	d2dw4a1	Alignment	not modelled	26.8	24	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: SWIRM domain
96	c2lkpB	Alignment	not modelled	26.5	25	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator, arsr family; PDBTitle: solution structure of apo-nmtr
97	c2kkoB	Alignment	not modelled	26.5	27	PDB header: dna binding protein Chain: B: PDB Molecule: possible transcriptional regulatory protein PDBTitle: 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 targets5 mbr242e.
98	c2h09A	Alignment	not modelled	26.3	31	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator mntr; PDBTitle: crystal structure of diphtheria toxin repressor like protein2 from e. coli
99	c2n5jA	Alignment	not modelled	26.1	30	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease zc3h12a; PDBTitle: regnase-1 n-terminal domain
100	d2pfxa1	Alignment	not modelled	26.0	12	Fold: AhpD-like Superfamily: AhpD-like Family: Atu0492-like
101	c2fu4B	Alignment	not modelled	25.6	23	PDB header: dna binding protein Chain: B: PDB Molecule: ferric uptake regulation protein; PDBTitle: crystal structure of the dna binding domain of e.coli fur (ferric2 uptake regulator)
102	d1v4ra1	Alignment	not modelled	25.6	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: GntR-like transcriptional regulators
103	c4dhxC	Alignment	not modelled	25.6	18	PDB header: transport protein/dna binding protein Chain: C: PDB Molecule: enhancer of yellow 2 transcription factor homolog; PDBTitle: eny2:ganp complex
104	c2o03A	Alignment	not modelled	25.4	34	PDB header: gene regulation Chain: A: PDB Molecule: probable zinc uptake regulation protein furb; PDBTitle: crystal structure of furb from m. tuberculosis- a zinc

						uptake2 regulator
105	d1s3ja_	Alignment	not modelled	25.1	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
106	c4b8xB_	Alignment	not modelled	24.8	28	PDB header: transcription Chain: B: PDB Molecule: possible marr-transcriptional regulator; PDBTitle: near atomic resolution crystal structure of sco5413, a marr family2 transcriptional regulator from streptomyces coelicolor
107	c3oopA_	Alignment	not modelled	24.8	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: lin2960 protein; PDBTitle: the structure of a protein with unknown function from listeria innocua2 clip11262
108	c3fdgA_	Alignment	not modelled	24.7	19	PDB header: hydrolase Chain: A: PDB Molecule: dipeptidase ac. metallo peptidase. merops family m19; PDBTitle: the crystal structure of the dipeptidase ac, metallo peptidase. merops2 family m19
109	c1wsuA_	Alignment	not modelled	24.5	9	PDB header: translation/rna Chain: A: PDB Molecule: selenocysteine-specific elongation factor; PDBTitle: c-terminal domain of elongation factor selb complexed with2 secis rna
110	c5ns5A_	Alignment	not modelled	23.9	27	PDB header: hydrolase Chain: A: PDB Molecule: dipeptidase glij; PDBTitle: cys-gly dipeptidase glij in complex with cu2+ and zn2+
111	c3jthA_	Alignment	not modelled	23.7	24	PDB header: transcription Chain: A: PDB Molecule: transcription activator hlyu; PDBTitle: crystal structure of a transcriptional regulator hlyu from2 vibrio vulnificus cmcp6
112	d2frha1	Alignment	not modelled	23.6	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
113	c2fe3B_	Alignment	not modelled	23.6	19	PDB header: dna binding protein Chain: B: PDB Molecule: peroxide operon regulator; PDBTitle: the crystal structure of bacillus subtilis perr-zn reveals a novel2 zn(cys)4 structural redox switch
114	c2x4hA_	Alignment	not modelled	23.6	16	PDB header: transcription Chain: A: PDB Molecule: hypothetical protein sso2273; PDBTitle: crystal structure of the hypothetical protein sso2273 from2 sulfolobus solfataricus
115	d3ctaa1	Alignment	not modelled	23.6	28	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
116	d1mzba_	Alignment	not modelled	23.4	28	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: FUR-like
117	c3hrmA_	Alignment	not modelled	23.2	13	PDB header: transcription regulator Chain: A: PDB Molecule: hth-type transcriptional regulator sarz; PDBTitle: crystal structure of staphylococcus aureus protein sarz in sulfenic2 acid form
118	c5hsmA_	Alignment	not modelled	23.2	37	PDB header: transcription Chain: A: PDB Molecule: uncharacterized hth-type transcriptional regulator rv2887; PDBTitle: crystal structure of mycobacterium tuberculosis marr family protein2 rv2887
119	c5z7bB_	Alignment	not modelled	23.1	17	PDB header: transcription Chain: B: PDB Molecule: padr family transcriptional regulator; PDBTitle: crystal structure of the vanr transcription factor in complex with2 vanillate
120	c2x4gA_	Alignment	not modelled	23.0	22	PDB header: isomerase Chain: A: PDB Molecule: nucleoside-diphosphate-sugar epimerase; PDBTitle: crystal structure of pa4631, a nucleoside-diphosphate-sugar epimerase2 from pseudomonas aeruginosa