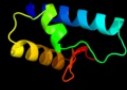
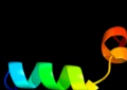
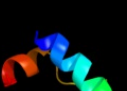
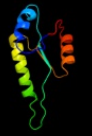


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2v9va2	 Alignment		82.8	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal fragment of elongation factor SelB
2	c2v9vA	 Alignment		67.9	9	PDB header: transcription Chain: A: PDB Molecule: selenocysteine-specific elongation factor; PDBTitle: crystal structure of moorella thermoacetica selb(377-511)
3	d1musa	 Alignment		65.8	10	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Transposase inhibitor (Tn5 transposase)
4	d1b7ea	 Alignment		59.1	10	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Transposase inhibitor (Tn5 transposase)
5	c6paxA	 Alignment		57.1	24	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
6	c3hefB	 Alignment		49.7	22	PDB header: viral protein Chain: B: PDB Molecule: gene 1 protein; PDBTitle: crystal structure of the bacteriophage sf6 terminase small2 subunit
7	d2ezha	 Alignment		47.6	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
8	d2ezia	 Alignment		46.6	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
9	d1pdnc	 Alignment		24.6	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
10	d1mpga1	 Alignment		23.1	12	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: DNA repair glycosylase, 2 C-terminal domains
11	c2plyB	 Alignment		21.9	8	PDB header: translation/rna Chain: B: PDB Molecule: selenocysteine-specific elongation factor; PDBTitle: structure of the mrna binding fragment of elongation factor2 selb in complex with secis rna.

12	c2pfsA_	Alignment		21.3	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: universal stress protein; PDBTitle: crystal structure of universal stress protein from nitrosomonas2 europaea
13	c3r1iB_	Alignment		20.6	22	PDB header: oxidoreductase Chain: B: PDB Molecule: short-chain type dehydrogenase/reductase; PDBTitle: crystal structure of a short-chain type dehydrogenase/reductase from2 mycobacterium marinum
14	c3ctmH_	Alignment		16.4	20	PDB header: oxidoreductase Chain: H: PDB Molecule: carbonyl reductase; PDBTitle: crystal structure of a carbonyl reductase from candida2 parapsilosis with anti-prelog stereo-specificity
15	d1osna_	Alignment		15.6	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
16	c3emkA_	Alignment		15.5	23	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose/ribitol dehydrogenase; PDBTitle: 2.5a crystal structure of glucose/ribitol dehydrogenase2 from brucella melitensis
17	d1ajza_	Alignment		15.5	12	Fold: TIM beta/alpha-barrel Superfamily: Dihydropteroate synthetase-like Family: Dihydropteroate synthetase
18	c3ak4C_	Alignment		14.9	19	PDB header: oxidoreductase Chain: C: PDB Molecule: nadh-dependent quinuclidinone reductase; PDBTitle: crystal structure of nadh-dependent quinuclidinone reductase from2 agrobacterium tumefaciens
19	c2kvcA_	Alignment		14.1	23	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: solution structure of the mycobacterium tuberculosis protein rv0543c,2 a member of the duf3349 superfamily. seattle structural genomics3 center for infectious disease target mytud.17112.a
20	c3pk0B_	Alignment		14.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: short-chain dehydrogenase/reductase sdr; PDBTitle: crystal structure of short-chain dehydrogenase/reductase sdr from2 mycobacterium smegmatis
21	c2vp8A_	Alignment	not modelled	13.4	21	PDB header: transferase Chain: A: PDB Molecule: dihydropteroate synthase 2; PDBTitle: structure of mycobacterium tuberculosis rv1207
22	d1cyda_	Alignment	not modelled	13.4	20	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
23	d3bpya1	Alignment	not modelled	12.8	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
24	c2y5sA_	Alignment	not modelled	11.5	15	PDB header: transferase Chain: A: PDB Molecule: dihydropteroate synthase; PDBTitle: crystal structure of burkholderia cenocepacia dihydropteroate2 synthase complexed with 7,8-dihydropteroate.
25	d6paxa2	Alignment	not modelled	11.4	30	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
26	d1dlwa_	Alignment	not modelled	11.3	9	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
27	c2z1nA_	Alignment	not modelled	11.3	22	PDB header: oxidoreductase Chain: A: PDB Molecule: dehydrogenase; PDBTitle: crystal structure of ape0912 from aeropyrum pernix k1
28	c3gk0H_	Alignment	not modelled	11.1	24	PDB header: transferase Chain: H: PDB Molecule: pyridoxine 5'-phosphate synthase; PDBTitle: crystal structure of pyridoxal phosphate biosynthetic2 protein from burkholderia pseudomallei
29	c2vdaA_	Alignment	not modelled	10.9	13	PDB header: protein transport Chain: A: PDB Molecule: translocase subunit seca;

						PDBTitle: solution structure of the seca-signal peptide complex
30	c2rfpA_	Alignment	not modelled	10.9	15	PDB header: hydrolase Chain: A: PDB Molecule: putative ntp pyrophosphohydrolase; PDBTitle: crystal structure of putative ntp pyrophosphohydrolase2 (yp_001813558.1) from exigubacterium sibiricum 255-15 at 1.74 a3 resolution
31	d1rh6a_	Alignment	not modelled	10.8	15	Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Excisionase-like
32	c3ol4B_	Alignment	not modelled	10.6	22	PDB header: unknown function Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of a putative uncharacterized protein from2 mycobacterium smegmatis, an ortholog of rv0543c
33	d1k78a2	Alignment	not modelled	10.6	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Paired domain
34	c2k27A_	Alignment	not modelled	10.0	23	PDB header: transcription regulator Chain: A: PDB Molecule: paired box protein pax-8; PDBTitle: solution structure of human pax8 paired box domain
35	c3co7C_	Alignment	not modelled	9.8	14	PDB header: transcription/dna Chain: C: PDB Molecule: forkhead box protein o1; PDBTitle: crystal structure of foxo1 dbd bound to dbe2 dna
36	d1iyxa1	Alignment	not modelled	9.8	22	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
37	d3orca_	Alignment	not modelled	9.7	18	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
38	d1bdba_	Alignment	not modelled	9.5	17	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
39	c2kzvA_	Alignment	not modelled	9.2	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of cv_0373(175-257) protein from2 chromobacterium violaceum, northeast structural genomics consortium3 target cvr118a
40	c3mx7A_	Alignment	not modelled	9.1	29	PDB header: apoptosis Chain: A: PDB Molecule: fas apoptotic inhibitory molecule 1; PDBTitle: crystal structure analysis of human faim-ntd
41	d1pm6a_	Alignment	not modelled	9.0	15	Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Excisionase-like
42	d2o23a1	Alignment	not modelled	8.9	20	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
43	c2o2sA_	Alignment	not modelled	8.8	13	PDB header: oxidoreductase Chain: A: PDB Molecule: enoyl-acyl carrier reductase; PDBTitle: the structure of t. gondii enoyl acyl carrier protein reductase in2 complex with nad and triclosan
44	c3fmtF_	Alignment	not modelled	8.7	13	PDB header: replication inhibitor/dna Chain: F: PDB Molecule: protein seqa; PDBTitle: crystal structure of seqa bound to dna
45	d1ae1a_	Alignment	not modelled	8.7	19	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
46	d1m5wa_	Alignment	not modelled	8.4	28	Fold: TIM beta/alpha-barrel Superfamily: Pyridoxine 5'-phosphate synthase Family: Pyridoxine 5'-phosphate synthase
47	c3aq8A_	Alignment	not modelled	8.4	4	PDB header: oxygen binding Chain: A: PDB Molecule: group 1 truncated hemoglobin; PDBTitle: crystal structure of truncated hemoglobin from tetrahymena pyriformis,2 q46e mutant, fe(iii) form
48	c3gaff_	Alignment	not modelled	8.4	15	PDB header: oxidoreductase Chain: F: PDB Molecule: 7-alpha-hydroxysteroid dehydrogenase; PDBTitle: 2.2a crystal structure of 7-alpha-hydroxysteroid2 dehydrogenase from brucella melitensis
49	c3gdfA_	Alignment	not modelled	8.3	18	PDB header: oxidoreductase Chain: A: PDB Molecule: probable nadp-dependent mannitol dehydrogenase; PDBTitle: crystal structure of the nadp-dependent mannitol dehydrogenase from2 cladospirum herbarum.
50	c3l1pA_	Alignment	not modelled	8.2	20	PDB header: transcription/dna Chain: A: PDB Molecule: pou domain, class 5, transcription factor 1; PDBTitle: pou protein:dna complex
51	c3rihB_	Alignment	not modelled	7.8	17	PDB header: oxidoreductase Chain: B: PDB Molecule: short chain dehydrogenase or reductase; PDBTitle: crystal structure of a putative short chain dehydrogenase or reductase2 from mycobacterium abscessus
52	c1e17A_	Alignment	not modelled	7.7	9	PDB header: dna binding domain Chain: A: PDB Molecule: afx; PDBTitle: solution structure of the dna binding domain of the human2 forkhead transcription factor afx (foxo4)
53	c2wdzD_	Alignment	not modelled	7.5	14	PDB header: oxidoreductase Chain: D: PDB Molecule: short-chain dehydrogenase/reductase; PDBTitle: crystal structure of the short chain dehydrogenase2 galactitol-dehydrogenase (gathd) of rhodobacter3 sphaeroides in complex with nad+ and 1,2-pentandiol
54	c3rkrC_	Alignment	not modelled	7.4	17	PDB header: oxidoreductase Chain: C: PDB Molecule: short chain oxidoreductase; PDBTitle: crystal structure of a metagenomic short-chain oxidoreductase (sdr) in2 complex with nadp
						Fold: NAD(P)-binding Rossmann-fold domains

55	d1h5qa_	Alignment	not modelled	7.3	11	Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
56	d1d7oa_	Alignment	not modelled	7.1	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
57	c2ixsB_	Alignment	not modelled	7.0	11	PDB header: hydrolase Chain: B: PDB Molecule: sdaI restriction endonuclease; PDBTitle: structure of sdaI restriction endonuclease
58	d1s69a_	Alignment	not modelled	6.9	21	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
59	d1xi8a3	Alignment	not modelled	6.8	21	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
60	d1vl8a_	Alignment	not modelled	6.7	17	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
61	d1vi7a1	Alignment	not modelled	6.6	19	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: YigZ N-terminal domain-like
62	c3afnC_	Alignment	not modelled	6.6	17	PDB header: oxidoreductase Chain: C: PDB Molecule: carbonyl reductase; PDBTitle: crystal structure of aldose reductase a1-r complexed with nadp
63	d1xb4a2	Alignment	not modelled	6.6	5	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
64	c3k6qB_	Alignment	not modelled	6.6	14	PDB header: ligand binding protein Chain: B: PDB Molecule: putative ligand binding protein; PDBTitle: crystal structure of an antitoxin part of a putative toxin/antitoxin2 system (swol_0700) from syntrophomonas wolfei subsp. wolfei at 1.80 a3 resolution
65	d1ldra_	Alignment	not modelled	6.5	7	Fold: Globin-like Superfamily: Globin-like Family: Truncated hemoglobin
66	d1g31a_	Alignment	not modelled	6.5	20	Fold: GroES-like Superfamily: GroES-like Family: GroES
67	c3iccA_	Alignment	not modelled	6.4	17	PDB header: oxidoreductase Chain: A: PDB Molecule: putative 3-oxoacyl-(acyl carrier protein) reductase; PDBTitle: crystal structure of a putative 3-oxoacyl-(acyl carrier protein)2 reductase from bacillus anthracis at 1.87 a resolution
68	d2c6ya1	Alignment	not modelled	6.4	6	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
69	c3cxtA_	Alignment	not modelled	6.4	24	PDB header: oxidoreductase Chain: A: PDB Molecule: dehydrogenase with different specificities; PDBTitle: quaternary complex structure of gluconate 5-dehydrogenase from2 streptococcus suis type 2
70	c1qcrD_	Alignment	not modelled	6.3	8	PDB header: PDB COMPND:
71	d1fmca_	Alignment	not modelled	6.2	27	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
72	c3rf7A_	Alignment	not modelled	6.2	11	PDB header: oxidoreductase Chain: A: PDB Molecule: iron-containing alcohol dehydrogenase; PDBTitle: crystal structure of an iron-containing alcohol dehydrogenase2 (sden_2133) from shewanella denitrificans os-217 at 2.12 a resolution
73	d1d1la_	Alignment	not modelled	6.1	20	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
74	c3ksuA_	Alignment	not modelled	6.1	14	PDB header: oxidoreductase Chain: A: PDB Molecule: 3-oxoacyl-acyl carrier protein reductase; PDBTitle: crystal structure of short-chain dehydrogenase from2 oenococcus oeni psu-1
75	c3f9iB_	Alignment	not modelled	6.0	25	PDB header: oxidoreductase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] reductase; PDBTitle: crystal structure of 3-ketoacyl-(acyl-carrier-protein) reductase2 rickettsia prowazekii
76	d1ejxa_	Alignment	not modelled	5.9	13	Fold: Urease, gamma-subunit Superfamily: Urease, gamma-subunit Family: Urease, gamma-subunit
77	c3hluA_	Alignment	not modelled	5.8	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein duf2179; PDBTitle: crystal structure of uncharacterized protein conserved in bacteria2 duf2179 from eubacterium ventriosum
78	d4croa_	Alignment	not modelled	5.6	22	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
79	d2giab1	Alignment	not modelled	5.5	50	Fold: ssDNA-binding transcriptional regulator domain Superfamily: ssDNA-binding transcriptional regulator domain Family: Guide RNA binding protein gBP
80	c2giaB_	Alignment	not modelled	5.5	50	PDB header: translation Chain: B: PDB Molecule: mitochondrial rna-binding protein 1; PDBTitle: crystal structures of trypanosoma brucei mrp1/mrp2
						PDB header: hydrolase

81	cliszA_	Alignment	not modelled	5.5	5	Chain: A: PDB Molecule: endo-1,4-beta-d-xylanase; PDBTitle: crystal structure of xylanase from streptomyces2 olivaceoviridis e-86 complexed with galactose
82	dlun2a_	Alignment	not modelled	5.5	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: DsbA-like
83	d2i7pa1	Alignment	not modelled	5.5	23	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Fumble-like
84	clvi2B_	Alignment	not modelled	5.5	16	PDB header: oxidoreductase Chain: B: PDB Molecule: shikimate 5-dehydrogenase 2; PDBTitle: crystal structure of shikimate-5-dehydrogenase with nad
85	c2kl8A_	Alignment	not modelled	5.4	8	PDB header: de novo protein Chain: A: PDB Molecule: or15; PDBTitle: solution nmr structure of de novo designed ferredoxin-like2 fold protein, northeast structural genomics consortium3 target or15
86	c2pijB_	Alignment	not modelled	5.4	16	PDB header: transcription Chain: B: PDB Molecule: prophage pfl 6 cro; PDBTitle: structure of the cro protein from prophage pfl 6 in pseudomonas2 fluorescens pf-5
87	c2b4qB_	Alignment	not modelled	5.4	11	PDB header: oxidoreductase Chain: B: PDB Molecule: rhamnolipids biosynthesis 3-oxoacyl-[acyl- PDBTitle: pseudomonas aeruginosa rhlg/nadp active-site complex
88	dl5bya1	Alignment	not modelled	5.4	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
89	d2cvea1	Alignment	not modelled	5.4	16	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: YigZ N-terminal domain-like
90	d2abka_	Alignment	not modelled	5.3	13	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Endonuclease III
91	dlw6ta1	Alignment	not modelled	5.3	23	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
92	c3cwbQ_	Alignment	not modelled	5.2	8	PDB header: oxidoreductase Chain: Q: PDB Molecule: mitochondrial cytochrome c1, heme protein; PDBTitle: chicken cytochrome bc1 complex inhibited by an iodinated analogue of2 the polyketide crocacin-d
93	dlja9a_	Alignment	not modelled	5.2	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
94	dlxsea_	Alignment	not modelled	5.2	23	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
95	d4ubpa_	Alignment	not modelled	5.1	12	Fold: Urease, gamma-subunit Superfamily: Urease, gamma-subunit Family: Urease, gamma-subunit
96	d2pta1	Alignment	not modelled	5.1	15	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
97	clyb1B_	Alignment	not modelled	5.1	17	PDB header: oxidoreductase Chain: B: PDB Molecule: 17-beta-hydroxysteroid dehydrogenase type xi; PDBTitle: crystal structure of human 17-beta-hydroxysteroid dehydrogenase type2 xi
98	dlq7ba_	Alignment	not modelled	5.1	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases