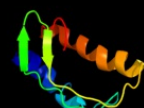
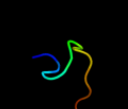
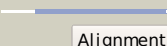
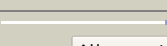
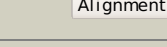
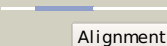
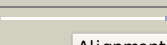
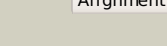
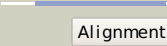
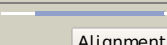
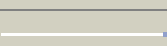
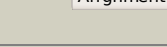
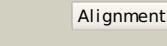
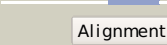
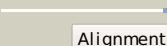
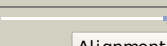
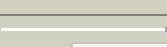
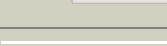
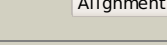
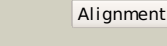


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3lnoA_	 Alignment		100.0	28	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of domain of unknown function duf59 from2 bacillus anthracis
2	d1uwda_	 Alignment		100.0	27	Fold: Alpha-lytic protease prodomain-like Superfamily: Fe-S cluster assembly (FSCA) domain-like Family: PaaD-like
3	d2cu6a1	 Alignment		99.9	30	Fold: Alpha-lytic protease prodomain-like Superfamily: Fe-S cluster assembly (FSCA) domain-like Family: PaaD-like
4	c2z51A_	 Alignment		94.3	17	PDB header: metal transport Chain: A: PDB Molecule: nifu-like protein 2, chloroplast; PDBTitle: crystal structure of arabidopsis cnfu involved in iron-2 sulfur cluster biosynthesis
5	d1xhja_	 Alignment		94.1	21	Fold: Alpha-lytic protease prodomain-like Superfamily: Fe-S cluster assembly (FSCA) domain-like Family: NifU C-terminal domain-like
6	c2jnvA_	 Alignment		94.1	19	PDB header: metal transport Chain: A: PDB Molecule: nifu-like protein 1, chloroplast; PDBTitle: solution structure of c-terminal domain of nifu-like2 protein from oryza sativa
7	d1veha_	 Alignment		89.3	19	Fold: Alpha-lytic protease prodomain-like Superfamily: Fe-S cluster assembly (FSCA) domain-like Family: NifU C-terminal domain-like
8	d1th5a1	 Alignment		87.8	13	Fold: Alpha-lytic protease prodomain-like Superfamily: Fe-S cluster assembly (FSCA) domain-like Family: NifU C-terminal domain-like
9	c3cw2M_	 Alignment		78.7	36	PDB header: translation Chain: M: PDB Molecule: translation initiation factor 2 subunit beta; PDBTitle: crystal structure of the intact archaeal translation2 initiation factor 2 from sulfolobus solfataricus .
10	c3a44D_	 Alignment		74.0	27	PDB header: metal binding protein Chain: D: PDB Molecule: hydrogenase nickel incorporation protein hypa; PDBTitle: crystal structure of hypa in the dimeric form
11	c1neeA_	 Alignment		73.0	32	PDB header: translation Chain: A: PDB Molecule: probable translation initiation factor 2 beta PDBTitle: structure of archaeal translation factor aif2beta from2 methanobacterium thermoautotrophicum

12	d1k81a_	Alignment		72.0	36	Fold: Zinc-binding domain of translation initiation factor 2 beta Superfamily: Zinc-binding domain of translation initiation factor 2 beta Family: Zinc-binding domain of translation initiation factor 2 beta
13	d1dl6a_	Alignment		70.4	19	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Transcriptional factor domain
14	c2kdxA_	Alignment		69.6	21	PDB header: metal-binding protein Chain: A: PDB Molecule: hydrogenase/urease nickel incorporation protein PDBTitle: solution structure of hypa protein
15	c2aklA_	Alignment		65.1	31	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phnA-like protein pa0128; PDBTitle: solution structure for phn-a like protein pa0128 from2 pseudomonas aeruginosa
16	d1wiia_	Alignment		61.1	19	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Putative zinc binding domain
17	d1pfta_	Alignment		59.6	26	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Transcriptional factor domain
18	d1nuia2	Alignment		58.4	29	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: DNA primase zinc finger
19	d3bypa1	Alignment		57.8	19	Fold: Alpha-lytic protease prodomain-like Superfamily: Cation efflux protein cytoplasmic domain-like Family: Cation efflux protein cytoplasmic domain-like
20	c2dcuB_	Alignment		57.1	50	PDB header: translation Chain: B: PDB Molecule: translation initiation factor 2 beta subunit; PDBTitle: crystal structure of translation initiation factor aif2betagamma2 heterodimer with gdp
21	d2akla2	Alignment	not modelled	55.2	38	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: PhnA zinc-binding domain
22	d1hk8a_	Alignment	not modelled	52.0	21	Fold: PFL-like glycol radical enzymes Superfamily: PFL-like glycol radical enzymes Family: Class III anaerobic ribonucleotide reductase NRDD subunit
23	c1hk8A_	Alignment	not modelled	52.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: anaerobic ribonucleotide-triphosphate reductase; PDBTitle: structural basis for allosteric substrate specificity2 regulation in class iii ribonucleotide reductases:3 nrdd in complex with dgtp
24	c2e9hA_	Alignment	not modelled	50.3	43	PDB header: translation Chain: A: PDB Molecule: eukaryotic translation initiation factor 5; PDBTitle: solution structure of the eif-5_eif-2b domain from human2 eukaryotic translation initiation factor 5
25	d1lv3a_	Alignment	not modelled	49.9	32	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: Hypothetical zinc finger protein YacG
26	c3lpeF_	Alignment	not modelled	44.4	40	PDB header: transferase Chain: F: PDB Molecule: dna-directed rna polymerase subunit e''; PDBTitle: crystal structure of spt4/5nng heterodimer complex from methanococcus2 jannaschii
27	c2xigA_	Alignment	not modelled	40.5	12	PDB header: transcription Chain: A: PDB Molecule: ferric uptake regulation protein; PDBTitle: the structure of the helicobacter pylori ferric uptake2 regulator fur reveals three functional metal binding sites
28	c3qxbB_	Alignment	not modelled	39.0	18	PDB header: isomerase Chain: B: PDB Molecule: putative xylose isomerase; PDBTitle: crystal structure of a putative xylose isomerase

						(yp_426450.1) from2 rhodospirillum rubrum atcc 11170 at 1.90 a resolution
29	c1x31D	Alignment	not modelled	38.6	36	PDB header: oxidoreductase Chain: D: PDB Molecule: sarcosine oxidase delta subunit; PDBTitle: crystal structure of heterotetrameric sarcosine oxidase from2 corynebacterium sp. u-96
30	c1qysA	Alignment	not modelled	37.9	13	PDB header: de novo protein Chain: A: PDB Molecule: top7; PDBTitle: crystal structure of top7: a computationally designed2 protein with a novel fold
31	c1eucB	Alignment	not modelled	37.4	15	PDB header: ligase Chain: B: PDB Molecule: succinyl-coa synthetase, beta chain; PDBTitle: crystal structure of dephosphorylated pig heart, gtp-2 specific succinyl-coa synthetase
32	c2kt2A	Alignment	not modelled	37.3	21	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: structure of nmera, the n-terminal hma domain of tn501 mercuric2 reductase
33	c2elpA	Alignment	not modelled	35.3	18	PDB header: transcription Chain: A: PDB Molecule: zinc finger protein 406; PDBTitle: solution structure of the 13th c2h2 zinc finger of human2 zinc finger protein 406
34	c2opfA	Alignment	not modelled	34.4	30	PDB header: hydrolase/dna Chain: A: PDB Molecule: endonuclease viii; PDBTitle: crystal structure of the dna repair enzyme endonuclease-viii (nei)2 from e. coli (r252a) in complex with ap-site containing dna substrate
35	d1atga	Alignment	not modelled	34.3	24	Fold: Periplasmic binding protein-like II Superfamily: Periplasmic binding protein-like II Family: Phosphate binding protein-like
36	c3zygA	Alignment	not modelled	33.7	28	PDB header: signaling Chain: A: PDB Molecule: hepatocyte growth factor-regulated tyrosine kinase PDBTitle: crystal structure of the tandem vhs and fyve domains of hepatocyte2 growth factor-regulated tyrosine kinase substrate (hgs-hrs) at 1.483 a resolution
37	d1qupa2	Alignment	not modelled	33.6	9	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
38	c1k82D	Alignment	not modelled	33.3	20	PDB header: hydrolase/dna Chain: D: PDB Molecule: formamidopyrimidine-dna glycosylase; PDBTitle: crystal structure of e.coli formamidopyrimidine-dna2 glycosylase (fpg) covalently trapped with dna
39	d2fhpa1	Alignment	not modelled	33.2	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
40	d2gnra1	Alignment	not modelled	33.0	20	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: SSO2064-like
41	c2jvfA	Alignment	not modelled	32.7	17	PDB header: de novo protein Chain: A: PDB Molecule: de novo protein m7; PDBTitle: solution structure of m7, a computationally-designed2 artificial protein
42	d1j26a	Alignment	not modelled	32.0	23	Fold: dsRBD-like Superfamily: Peptidyl-tRNA hydrolase domain-like Family: Peptidyl-tRNA hydrolase domain
43	d1pfva3	Alignment	not modelled	31.6	40	Fold: Rubredoxin-like Superfamily: Methionyl-tRNA synthetase (MetRS), Zn-domain Family: Methionyl-tRNA synthetase (MetRS), Zn-domain
44	d2dsxa1	Alignment	not modelled	31.4	14	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
45	c3mv2A	Alignment	not modelled	30.0	17	PDB header: protein transport Chain: A: PDB Molecule: coatomer subunit alpha; PDBTitle: crystal structure of a-cop in complex with e-cop
46	d1lloa	Alignment	not modelled	28.0	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
47	c1nnjA	Alignment	not modelled	27.8	28	PDB header: hydrolase Chain: A: PDB Molecule: formamidopyrimidine-dna glycosylase; PDBTitle: crystal structure complex between the lactococcus lactis fpg and an2 abasic site containing dna
48	c2rrlA	Alignment	not modelled	27.3	16	PDB header: protein transport Chain: A: PDB Molecule: flagellar hook-length control protein; PDBTitle: solution structure of the c-terminal domain of the flik
49	c2fu4B	Alignment	not modelled	27.2	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)
50	d2r7ca2	Alignment	not modelled	27.1	71	Fold: Rotavirus NSP2 fragment, N-terminal domain Superfamily: Rotavirus NSP2 fragment, N-terminal domain Family: Rotavirus NSP2 fragment, N-terminal domain
51	c2k2dA	Alignment	not modelled	26.8	31	PDB header: metal binding protein Chain: A: PDB Molecule: ring finger and chy zinc finger domain- PDBTitle: solution nmr structure of c-terminal domain of human pirh2.2 northeast structural genomics consortium (nesg) target ht2c
52	c2o03A	Alignment	not modelled	26.7	23	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
53	d2fiya1	Alignment	not modelled	26.3	17	Fold: FdhE-like Superfamily: FdhE-like Family: FdhE-like

54	c2csuB	 Alignment	not modelled	26.0	12	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: 457aa long hypothetical protein; PDBTitle: crystal structure of ph0766 from pyrococcus horikoshii ot3
55	d4rxna	 Alignment	not modelled	25.5	15	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
56	c2hk1D	 Alignment	not modelled	25.4	18	PDB header: isomerase Chain: D: PDB Molecule: d-psicose 3-epimerase; PDBTitle: crystal structure of d-psicose 3-epimerase (dpease) in the presence of 2 d-fructose
57	d1mzba	 Alignment	not modelled	25.4	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: FUR-like
58	c2x5cB	 Alignment	not modelled	24.4	33	PDB header: viral protein Chain: B: PDB Molecule: hypothetical protein orf131; PDBTitle: crystal structure of hypothetical protein orf131 from2 pyrobaculum spherical virus
59	c3jvfC	 Alignment	not modelled	24.4	18	PDB header: signaling protein / cytokine Chain: C: PDB Molecule: interleukin-17 receptor a; PDBTitle: crystal structure of an interleukin-17 receptor complex
60	c3eyvA	 Alignment	not modelled	24.4	17	PDB header: transport Chain: A: PDB Molecule: putative iron uptake regulatory protein; PDBTitle: structural basis for the specialization of nur, a nickel-2 specific fur homologue, in metal sensing and dna3 recognition
61	c2l7xA	 Alignment	not modelled	24.2	60	PDB header: viral protein Chain: A: PDB Molecule: envelope glycoprotein; PDBTitle: crimean congo hemorrhagic fever gn zinc finger
62	c2w57A	 Alignment	not modelled	24.0	26	PDB header: metal transport Chain: A: PDB Molecule: ferric uptake regulation protein; PDBTitle: crystal structure of the vibrio cholerae ferric uptake2 regulator (fur) reveals structural rearrangement of the3 dna-binding domains
63	d1r7ha	 Alignment	not modelled	23.9	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
64	c2nu9E	 Alignment	not modelled	23.9	15	PDB header: ligase Chain: E: PDB Molecule: succinyl-coa synthetase beta chain; PDBTitle: c123at mutant of e. coli succinyl-coa synthetase2 orthorhombic crystal form
65	d1xzoa1	 Alignment	not modelled	23.2	21	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
66	c2kn9A	 Alignment	not modelled	23.2	13	PDB header: electron transport Chain: A: PDB Molecule: rubredoxin; PDBTitle: solution structure of zinc-substituted rubredoxin b (rv3250c) from2 mycobacterium tuberculosis. seattle structural genomics center for3 infectious disease target mytud.01635.a
67	d1dx8a	 Alignment	not modelled	23.0	25	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
68	d1h7va	 Alignment	not modelled	22.8	26	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
69	d1tz9a	 Alignment	not modelled	22.7	19	Fold: TIM beta/alpha-barrel Superfamily: Xylose isomerase-like Family: UxuA-like
70	c1s24A	 Alignment	not modelled	22.6	17	PDB header: electron transport Chain: A: PDB Molecule: rubredoxin 2; PDBTitle: rubredoxin domain ii from pseudomonas oleovorans
71	d1s24a	 Alignment	not modelled	22.6	17	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
72	c2f5qA	 Alignment	not modelled	22.6	24	PDB header: hydrolase/dna Chain: A: PDB Molecule: formamidopyrimidine-dna glycosidase; PDBTitle: catalytically inactive (e3q) mutm crosslinked to oxog:c2 containing dna cc2
73	c3mkrB	 Alignment	not modelled	22.5	29	PDB header: transport protein Chain: B: PDB Molecule: coatomer subunit alpha; PDBTitle: crystal structure of yeast alpha/epsilon-cop subcomplex of the cop12 vesicular coat
74	c2pptA	 Alignment	not modelled	22.2	10	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin-2; PDBTitle: crystal structure of thioredoxin-2
75	d1lroa	 Alignment	not modelled	21.9	15	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
76	d2fu5a1	 Alignment	not modelled	21.8	50	Fold: Mss4-like Superfamily: Mss4-like Family: RabGEF Mss4
77	c3ktcB	 Alignment	not modelled	21.7	20	PDB header: isomerase Chain: B: PDB Molecule: xylose isomerase; PDBTitle: crystal structure of putative sugar isomerase (yp_050048.1) from2 erwinia carotovora atroseptica scri1043 at 1.54 a resolution
78	d1ee8a3	 Alignment	not modelled	21.6	24	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: C-terminal, Zn-finger domain of MutM-like DNA repair proteins
79	d2ct1a1	 Alignment	not modelled	21.6	50	Fold: beta-beta-alpha zinc fingers Superfamily: beta-beta-alpha zinc fingers Family: Classic zinc finger, C2H2

80	d1brfa_	Alignment	not modelled	21.4	17	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
81	d1cmca_	Alignment	not modelled	21.3	44	Fold: Ribbon-helix-helix Superfamily: Ribbon-helix-helix Family: Met repressor, MetJ (MetR)
82	d1qcva_	Alignment	not modelled	21.2	10	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
83	d1rb9a_	Alignment	not modelled	21.0	14	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
84	d1w4ha1	Alignment	not modelled	20.7	28	Fold: Peripheral subunit-binding domain of 2-oxo acid dehydrogenase complex Superfamily: Peripheral subunit-binding domain of 2-oxo acid dehydrogenase complex Family: Peripheral subunit-binding domain of 2-oxo acid dehydrogenase complex
85	d1vbka2	Alignment	not modelled	20.5	20	Fold: THUMP domain Superfamily: THUMP domain-like Family: THUMP domain
86	c1jrxA_	Alignment	not modelled	20.3	46	PDB header: oxidoreductase Chain: A: PDB Molecule: flavocytochrome c; PDBTitle: crystal structure of arg402ala mutant flavocytochrome c32 from shewanella frigidimarina
87	c2v3bB_	Alignment	not modelled	20.1	17	PDB header: oxidoreductase Chain: B: PDB Molecule: rubredoxin 2; PDBTitle: crystal structure of the electron transfer complex2 rubredoxin - rubredoxin reductase from pseudomonas3 aeruginosa.
88	d2rdva_	Alignment	not modelled	20.0	17	Fold: Rubredoxin-like Superfamily: Rubredoxin-like Family: Rubredoxin
89	c2owoA_	Alignment	not modelled	19.9	17	PDB header: ligase/dna Chain: A: PDB Molecule: dna ligase; PDBTitle: last stop on the road to repair: structure of e.coli dna ligase bound2 to nicked dna-adenylate
90	c2r7cA_	Alignment	not modelled	19.7	71	PDB header: rna binding protein Chain: A: PDB Molecule: non-structural rna-binding protein 35; PDBTitle: crystallographic and biochemical analysis of rotavirus nsp22 with nucleotides reveals an ndp kinase like activity
91	d2qifa1	Alignment	not modelled	19.3	16	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
92	c2v51E_	Alignment	not modelled	19.3	58	PDB header: structural protein/contractile protein Chain: E: PDB Molecule: mkl/myocardin-like protein 1; PDBTitle: structure of mal-rpel1 complexed to actin
93	d1hxra_	Alignment	not modelled	19.1	50	Fold: Mss4-like Superfamily: Mss4-like Family: RabGEF Mss4
94	d2fyma1	Alignment	not modelled	19.1	23	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
95	c3io1B_	Alignment	not modelled	19.0	12	PDB header: hydrolase Chain: B: PDB Molecule: aminobenzoyl-glutamate utilization protein; PDBTitle: crystal structure of aminobenzoyl-glutamate utilization2 protein from klebsiella pneumoniae
96	c1ee8A_	Alignment	not modelled	18.7	24	PDB header: dna binding protein Chain: A: PDB Molecule: mutm (fpg) protein; PDBTitle: crystal structure of mutm (fpg) protein from thermus thermophilus hb8
97	d1tdza3	Alignment	not modelled	18.6	24	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: C-terminal, Zn-finger domain of MutM-like DNA repair proteins
98	c2jvaA_	Alignment	not modelled	18.4	31	PDB header: hydrolase Chain: A: PDB Molecule: peptidyl-trna hydrolase domain protein; PDBTitle: nmr solution structure of peptidyl-trna hydrolase domain protein from2 pseudomonas syringae pv. tomato. northeast structural genomics3 consortium target psr211
99	d2gmga1	Alignment	not modelled	18.2	45	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: PF0610-like