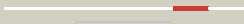
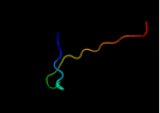
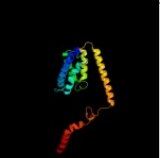
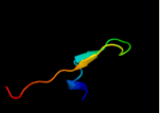
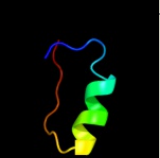


Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3qngD_	 Alignment		100.0	16	PDB header: membrane protein, transport protein Chain: D: PDB Molecule: pts system, cellobiose-specific iic component; PDBTitle: crystal structure of the transporter chbc, the iic component from the 2 n,n'-diacetylchitobiose-specific phosphotransferase system
2	d3bp8c1	 Alignment		99.6	100	Fold: Homing endonuclease-like Superfamily: Glucose permease domain IIB Family: Glucose permease domain IIB
3	c1ibaA_	 Alignment		99.5	99	PDB header: phosphotransferase Chain: A: PDB Molecule: glucose permease; PDBTitle: glucose permease (domain iib), nmr, 11 structures
4	c3ipjB_	 Alignment		99.4	27	PDB header: transferase Chain: B: PDB Molecule: pts system, iiabc component; PDBTitle: the crystal structure of one domain of the pts system, iiabc component2 from clostridium difficile
5	c3qm3C_	 Alignment		59.0	19	PDB header: lyase Chain: C: PDB Molecule: fructose-bisphosphate aldolase; PDBTitle: 1.85 angstrom resolution crystal structure of fructose-bisphosphate2 aldolase (fba) from campylobacter jejuni
6	c2dlaB_	 Alignment		48.3	35	PDB header: replication Chain: B: PDB Molecule: 397aa long hypothetical protein; PDBTitle: primase large subunit amino terminal domain from pyrococcus horikoshii
7	d2ifqa1	 Alignment		40.3	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
8	c2diyA_	 Alignment		38.6	7	PDB header: protein binding Chain: A: PDB Molecule: thioredoxin-like protein 2; PDBTitle: the solution structure of the thioredoxin domain of human2 thioredoxin-like protein 2
9	d1gh2a_	 Alignment		38.5	4	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
10	d1r26a_	 Alignment		37.4	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
11	c2xbqB_	 Alignment		34.2	12	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin; PDBTitle: crystal structure of reduced schistosoma mansoni2 thioredoxin pre-protein at 1.7 angstrom

12	c2rddB_	Alignment		33.0	28	PDB header: membrane protein/transport protein Chain: B: PDB Molecule: upf0092 membrane protein yajc; PDBTitle: x-ray crystal structure of acrb in complex with a novel2 transmembrane helix.
13	d1fzda_	Alignment		32.9	26	Fold: Fibrinogen C-terminal domain-like Superfamily: Fibrinogen C-terminal domain-like Family: Fibrinogen C-terminal domain-like
14	c3b9yA_	Alignment		32.8	14	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter family rh-like protein; PDBTitle: crystal structure of the nitrosomonas europaea rh protein
15	d1cpza_	Alignment		32.0	12	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
16	c3gnjD_	Alignment		32.0	14	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: thiooxidin domain protein; PDBTitle: the crystal structure of a thiooxidin-related protein from2 desulfitobacterium hafniense dcb
17	c3zqsB_	Alignment		31.9	22	PDB header: ligase Chain: B: PDB Molecule: e3 ubiquitin-protein ligase fanc1; PDBTitle: human fanc1 central domain
18	d1losda_	Alignment		30.5	19	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
19	d1nh8a2	Alignment		30.5	16	Fold: Ferredoxin-like Superfamily: GlnB-like Family: ATP phosphoribosyltransferase (ATP-PRTase, HisG), regulatory C-terminal domain
20	d1l0wa3	Alignment		29.2	23	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
21	c1yjrA_	Alignment	not modelled	29.1	5	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the apo form of the sixth soluble2 domain a69p mutant of menkes protein
22	c2k5jB_	Alignment	not modelled	28.8	29	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein yiif; PDBTitle: solution structure of protein yiif from shigella flexneri2 serotype 5b (strain 8401) . northeast structural genomics3 consortium target sft1
23	d2axtk1	Alignment	not modelled	28.6	37	Fold: Single transmembrane helix Superfamily: Photosystem II reaction center protein K, PsbK Family: PsbK-like
24	c3d22A_	Alignment	not modelled	28.0	11	PDB header: oxidoreductase Chain: A: PDB Molecule: thiooxidin h-type; PDBTitle: crystal structure of a poplar thiooxidin h mutant,2 ptrxh4c61s
25	d1fida_	Alignment	not modelled	27.8	35	Fold: Fibrinogen C-terminal domain-like Superfamily: Fibrinogen C-terminal domain-like Family: Fibrinogen C-terminal domain-like
26	d1p6ta1	Alignment	not modelled	27.7	14	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
27	d1q8la_	Alignment	not modelled	27.4	7	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
28	c3mgjA_	Alignment	not modelled	27.1	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein mj1480; PDBTitle: crystal structure of the saccharop_dh_n domain of mj14802 protein from methanococcus jannaschii . northeast structural3 genomics consortium target mjr83a.

29	c2wz9A	Alignment	not modelled	27.0	5	PDB header: protein binding Chain: A: PDB Molecule: glutaredoxin-3; PDBTitle: crystal structure of the thioredoxin domain of human txnl2
30	c2oarA	Alignment	not modelled	26.9	4	PDB header: membrane protein Chain: A: PDB Molecule: large-conductance mechanosensitive channel; PDBTitle: mechanosensitive channel of large conductance (mscl)
31	d2v0fa1	Alignment	not modelled	26.8	17	Fold: GYF/BRK domain-like Superfamily: BRK domain-like Family: BRK domain-like
32	d2cfua2	Alignment	not modelled	26.8	16	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Alkylsulfatase-like
33	d1kvja	Alignment	not modelled	26.7	7	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
34	c1jdpA	Alignment	not modelled	26.5	21	PDB header: signaling protein Chain: A: PDB Molecule: atrial natriuretic peptide clearance receptor; PDBTitle: crystal structure of hormone/receptor complex
35	d1jdpA	Alignment	not modelled	26.5	21	Fold: Periplasmic binding protein-like I Superfamily: Periplasmic binding protein-like I Family: L-arabinose binding protein-like
36	c3a0bK	Alignment	not modelled	26.1	33	PDB header: electron transport Chain: K: PDB Molecule: photosystem ii reaction center protein k; PDBTitle: crystal structure of br-substituted photosystem ii complex
37	c2ga7A	Alignment	not modelled	26.0	12	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the copper(i) form of the third metal-2 binding domain of atp7a protein (menkes disease protein)
38	c2l3mA	Alignment	not modelled	25.4	14	PDB header: metal binding protein Chain: A: PDB Molecule: copper-ion-binding protein; PDBTitle: solution structure of the putative copper-ion-binding protein from2 bacillus anthracis str. ames
39	c2oi2A	Alignment	not modelled	25.2	14	PDB header: transferase Chain: A: PDB Molecule: mevalonate kinase; PDBTitle: streptococcus pneumoniae mevalonate kinase in complex with2 diphosphomevalonate
40	d1neea1	Alignment	not modelled	25.1	17	Fold: Ribosome binding domain-like Superfamily: Translation initiation factor 2 beta, aIF2beta, N-terminal domain Family: Translation initiation factor 2 beta, aIF2beta, N-terminal domain
41	c3a0hk	Alignment	not modelled	25.0	33	PDB header: electron transport Chain: K: PDB Molecule: photosystem ii reaction center protein k; PDBTitle: crystal structure of i-substituted photosystem ii complex
42	c2ldiA	Alignment	not modelled	24.9	14	PDB header: hydrolase Chain: A: PDB Molecule: zinc-transporting atpase; PDBTitle: nmr solution structure of ziaan sub mutant
43	c1p68A	Alignment	not modelled	24.9	45	PDB header: de novo protein Chain: A: PDB Molecule: de novo designed protein s-824; PDBTitle: solution structure of s-824, a de novo designed four helix2 bundle
44	d1a8ra	Alignment	not modelled	24.3	27	Fold: T-fold Superfamily: Tetrahydrobiopterin biosynthesis enzymes-like Family: GTP cyclohydrolase I
45	c2cfuA	Alignment	not modelled	24.3	16	PDB header: hydrolase Chain: A: PDB Molecule: sdsa1; PDBTitle: crystal structure of sdsa1, an alkylsulfatase from2 pseudomonas aeruginosa, in complex with 1-decane-sulfonic-3 acid.
46	d2oara1	Alignment	not modelled	23.9	14	Fold: Gated mechanosensitive channel Superfamily: Gated mechanosensitive channel Family: Gated mechanosensitive channel
47	d1wf3a2	Alignment	not modelled	23.7	21	Fold: Alpha-lytic protease prodomain-like Superfamily: Prokaryotic type KH domain (KH-domain type II) Family: Prokaryotic type KH domain (KH-domain type II)
48	d1afia	Alignment	not modelled	23.5	19	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
49	d2qifa1	Alignment	not modelled	23.3	17	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
50	d1st6a5	Alignment	not modelled	22.1	35	Fold: Four-helical up-and-down bundle Superfamily: alpha-catenin/vinculin-like Family: alpha-catenin/vinculin
51	d1lwub1	Alignment	not modelled	21.9	17	Fold: Fibrinogen C-terminal domain-like Superfamily: Fibrinogen C-terminal domain-like Family: Fibrinogen C-terminal domain-like
52	d2a9da1	Alignment	not modelled	21.8	50	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Molybdenum-containing oxidoreductases-like dimerisation domain
53	c2e9hA	Alignment	not modelled	21.7	15	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
54	d1lwuc1	Alignment	not modelled	21.6	32	Fold: Fibrinogen C-terminal domain-like Superfamily: Fibrinogen C-terminal domain-like Family: Fibrinogen C-terminal domain-like
						PDB header: electron transport

55	c3a0bk_	Alignment	not modelled	21.4	33	Chain: K: PDB Molecule: photosystem ii reaction center protein k; PDBTitle: crystal structure of br-substituted photosystem ii complex
56	d1m1jc1	Alignment	not modelled	21.3	35	Fold: Fibrinogen C-terminal domain-like Superfamily: Fibrinogen C-terminal domain-like Family: Fibrinogen C-terminal domain-like
57	c2j61B_	Alignment	not modelled	20.6	30	PDB header: lectin Chain: B: PDB Molecule: ficolin-2; PDBTitle: l-ficolin complexed to n-acetylglucosamine (forme c)
58	d1l0wa2	Alignment	not modelled	20.6	19	Fold: DcoH-like Superfamily: GAD domain-like Family: GAD domain
59	d2axtl1	Alignment	not modelled	20.5	17	Fold: Single transmembrane helix Superfamily: Photosystem II reaction center protein I, Psbl Family: Psbl-like
60	d1h3da2	Alignment	not modelled	20.4	40	Fold: Ferredoxin-like Superfamily: GlnB-like Family: ATP phosphoribosyltransferase (ATP-PRTase, HisG), regulatory C-terminal domain
61	c2hpcF_	Alignment	not modelled	20.2	35	PDB header: blood clotting Chain: F: PDB Molecule: fibrinogen, gamma polypeptide; PDBTitle: crystal structure of fragment d from human fibrinogen complexed with2 gly-pro-arg-pro-amide.
62	c3e6qL_	Alignment	not modelled	20.1	19	PDB header: isomerase Chain: L: PDB Molecule: putative 5-carboxymethyl-2-hydroxymuconate isomerase; PDBTitle: putative 5-carboxymethyl-2-hydroxymuconate isomerase from pseudomonas2 aeruginosa.
63	d1t4aa_	Alignment	not modelled	20.0	21	Fold: PurS-like Superfamily: PurS-like Family: PurS subunit of FGAM synthetase
64	c3dxsX_	Alignment	not modelled	20.0	17	PDB header: hydrolase Chain: X: PDB Molecule: copper-transporting atpase ran1; PDBTitle: crystal structure of a copper binding domain from hma7, a p-2 type atpase
65	d1s6ua_	Alignment	not modelled	19.7	7	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
66	c2ofhX_	Alignment	not modelled	19.6	10	PDB header: hydrolase, membrane protein Chain: X: PDB Molecule: zinc-transporting atpase; PDBTitle: solution structure of the n-terminal domain of the zinc(ii) atpase2 ziaa in its apo form
67	c3mp7A_	Alignment	not modelled	19.2	18	PDB header: protein transport Chain: A: PDB Molecule: preprotein translocase subunit secy; PDBTitle: lateral opening of a translocon upon entry of protein suggests the2 mechanism of insertion into membranes
68	d2aw0a_	Alignment	not modelled	19.1	10	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
69	c1degF_	Alignment	not modelled	19.0	29	PDB header: PDB COMPND:
70	c3bvhc_	Alignment	not modelled	18.7	38	PDB header: blood clotting Chain: C: PDB Molecule: fibrinogen gamma chain; PDBTitle: crystal structure of recombinant gammad364a fibrinogen fragment d with2 the peptide ligand gly-pro-arg-pro-amide
71	c3p2aA_	Alignment	not modelled	18.6	13	PDB header: oxidoreductase Chain: A: PDB Molecule: putative thioredoxin-like protein; PDBTitle: crystal structure of thioredoxin 2 from yersinia pestis
72	d1p6ta2	Alignment	not modelled	18.0	17	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
73	c1y3kA_	Alignment	not modelled	17.9	7	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 1; PDBTitle: solution structure of the apo form of the fifth domain of2 menkes protein
74	d1f9pa_	Alignment	not modelled	17.8	7	Fold: IL8-like Superfamily: Interleukin 8-like chemokines Family: Interleukin 8-like chemokines
75	d1nкта3	Alignment	not modelled	17.7	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
76	d2bj7a1	Alignment	not modelled	17.7	16	Fold: Ribbon-helix-helix Superfamily: Ribbon-helix-helix Family: CopG-like
77	c1d1rA_	Alignment	not modelled	17.6	32	PDB header: structural genomics Chain: A: PDB Molecule: hypothetical 11.4 kd protein ycih in pyrf-omb PDBTitle: nmr solution structure of the product of the e. coli ycih2 gene.
78	d1d1ra_	Alignment	not modelled	17.6	32	Fold: eIF1-like Superfamily: eIF1-like Family: eIF1-like
79	c3p2aB_	Alignment	not modelled	17.5	13	PDB header: oxidoreductase Chain: B: PDB Molecule: putative thioredoxin-like protein; PDBTitle: crystal structure of thioredoxin 2 from yersinia pestis
80	c2hnhA_	Alignment	not modelled	16.7	30	PDB header: transferase Chain: A: PDB Molecule: dna polymerase iii alpha subunit; PDBTitle: crystal structure of the catalytic alpha subunit of e. coli2 replicative dna polymerase iii
81	c2fhiD_	Alignment	not modelled	16.7	22	PDB header: transferase Chain: D: PDB Molecule: formylmethanofuran--tetrahydromethanopterin

81	c2mjD_	Alignment	not modelled	16.7	42	PDBTitle: crystal structure of formylmethanofuran:2 tetrahydromethanopterin formyltransferase in complex with3 its coenzymes
82	d1xf1a_	Alignment	not modelled	16.5	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
83	c2yx5A_	Alignment	not modelled	16.5	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0062 protein mj1593; PDBTitle: crystal structure of methanocaldococcus jannaschii purs, one of the2 subunits of formylglycinamide ribonucleotide amidotransferase in the3 purine biosynthetic pathway
84	d1re3b1	Alignment	not modelled	16.4	26	Fold: Fibrinogen C-terminal domain-like Superfamily: Fibrinogen C-terminal domain-like Family: Fibrinogen C-terminal domain-like
85	d1r9ja3	Alignment	not modelled	16.2	16	Fold: TK C-terminal domain-like Superfamily: TK C-terminal domain-like Family: Transketolase C-terminal domain-like
86	d1h7sa2	Alignment	not modelled	16.0	26	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: DNA gyrase/MutL, N-terminal domain
87	c2ci2l_	Alignment	not modelled	15.9	19	PDB header: proteinase inhibitor (chymotrypsin) Chain: I: PDB Molecule: chymotrypsin inhibitor 2; PDBTitle: crystal and molecular structure of the serine proteinase2 inhibitor ci-2 from barley seeds
88	d2p02a3	Alignment	not modelled	15.9	31	Fold: S-adenosylmethionine synthetase Superfamily: S-adenosylmethionine synthetase Family: S-adenosylmethionine synthetase
89	c2vimA_	Alignment	not modelled	15.6	13	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: x-ray structure of fasciola hepatica thioredoxin
90	d1bkna2	Alignment	not modelled	15.4	26	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: DNA gyrase/MutL, N-terminal domain
91	d1syra_	Alignment	not modelled	15.4	27	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
92	c3dgpB_	Alignment	not modelled	15.3	19	PDB header: transcription Chain: B: PDB Molecule: rna polymerase ii transcription factor b subunit 5; PDBTitle: crystal structure of the complex between tfb5 and the c-terminal2 domain of tfb2
93	d1otga_	Alignment	not modelled	15.1	14	Fold: Tautomerase/MIF Superfamily: Tautomerase/MIF Family: 5-carboxymethyl-2-hydroxymuconate isomerase (CHMI)
94	c2j5zA_	Alignment	not modelled	15.1	35	PDB header: lectin Chain: A: PDB Molecule: ficolin-3; PDBTitle: h-ficolin complexed to galactose
95	c2x7iA_	Alignment	not modelled	15.1	11	PDB header: transferase Chain: A: PDB Molecule: mevalonate kinase; PDBTitle: crystal structure of mevalonate kinase from methicillin-2 resistant staphylococcus aureus mrsa252
96	d1wpla_	Alignment	not modelled	15.0	10	Fold: T-fold Superfamily: Tetrahydrobiopterin biosynthesis enzymes-like Family: GTP cyclohydrolase I
97	c2kncA_	Alignment	not modelled	15.0	15	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alfaIIB-beta3 transmembrane-cytoplasmic2 heterocomplex
98	d1tvxb_	Alignment	not modelled	14.9	7	Fold: IL8-like Superfamily: Interleukin 8-like chemokines Family: Interleukin 8-like chemokines
99	c1is7F_	Alignment	not modelled	14.9	10	PDB header: hydrolase/protein binding Chain: F: PDB Molecule: gtp cyclohydrolase i; PDBTitle: crystal structure of rat gtpchi/grp stimulatory complex