

Phyre²

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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2yx5A_	Alignment		100.0	27	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0062 protein mj1593; PDBTitle: crystal structure of methanococcoides jannaschii purs, one of the2 subunits of formylglycinamide ribonucleotide amidotransferase in the3 purine biosynthetic pathway
2	d1t4aa_	Alignment		100.0	40	Fold: PurS-like Superfamily: PurS-like Family: PurS subunit of FGAM synthetase
3	d1vq3a_	Alignment		100.0	25	Fold: PurS-like Superfamily: PurS-like Family: PurS subunit of FGAM synthetase
4	c2zw2B_	Alignment		100.0	22	PDB header: ligase Chain: B: PDB Molecule: putative uncharacterized protein sts178; PDBTitle: crystal structure of formylglycinamide ribonucleotide amidotransferase2 iii from sulfobolus tokodaii (stpur)
5	d1gtda_	Alignment		100.0	25	Fold: PurS-like Superfamily: PurS-like Family: PurS subunit of FGAM synthetase
6	c2dgbA_	Alignment		100.0	32	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein purs; PDBTitle: structure of thermus thermophilus purs in the p21 form
7	c1t3tA_	Alignment		96.7	12	PDB header: ligase Chain: A: PDB Molecule: phosphoribosylformylglycinamidine synthase; PDBTitle: structure of formylglycinamide synthetase
8	c5y02D_	Alignment		77.3	20	PDB header: lyase Chain: D: PDB Molecule: hydroxynitrile lyase; PDBTitle: c-terminal peptide depleted mutant of hydroxynitrile lyase from2 passiflora edulis (pehnl) bound with (r)-mandelonitrile
9	d1tr0a_	Alignment		69.6	15	Fold: Ferrodoxin-like Superfamily: Dimeric alpha+beta barrel Family: Plant stress-induced protein
10	c3bn7A_	Alignment		68.6	16	PDB header: unknown function Chain: A: PDB Molecule: ferredoxin-like protein; PDBTitle: crystal structure of a dimeric ferredoxin-like protein (cc_2267) from2 caulobacter crescentus cb15 at 1.64 a resolution
11	c3bguA_	Alignment		63.5	15	PDB header: unknown function Chain: A: PDB Molecule: ferredoxin-like protein of unknown function; PDBTitle: crystal structure of a dimeric ferredoxin-like protein of unknown2 function (tfu_0763) from thermobifida fusca yx at 1.50 a resolution

12	c2lepA_			58.4	19	PDB header: hydrolase Chain: A: PDB Molecule: rhomboid protease glpg 1; PDBTitle: solution structure of n-terminal cytosolic domain of rhomboid2 intramembrane protease from escherichia coli
13	d1p6ta1			55.6	21	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
14	d1afia_			55.2	15	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
15	c2qycA_			54.1	15	PDB header: unknown function Chain: A: PDB Molecule: ferredoxin-like protein; PDBTitle: crystal structure of a dimeric ferredoxin-like protein (bb1511) from2 bordetella bronchiseptica rb50 at 1.90 a resolution
16	c5b0aA_			51.6	24	PDB header: lyase Chain: A: PDB Molecule: olivetolic acid cyclase; PDBTitle: polyketide cyclase oac from cannabis sativa, h5q mutant
17	d2qifa1			51.3	23	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
18	c2ofgX_			49.0	15	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
19	d1s6ua_			47.3	6	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
20	c3ihsB_			46.1	12	PDB header: transport protein Chain: B: PDB Molecule: phosphocarrier protein hpr; PDBTitle: crystal structure of a phosphocarrier protein hpr from2 bacillus anthracis str. ames
21	d1q8la_		not modelled	45.5	4	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
22	c2ldiA_		not modelled	44.1	15	PDB header: hydrolase Chain: A: PDB Molecule: zinc-transporting atpase; PDBTitle: nmr solution structure of ziaan sub mutant
23	c2ofhX_		not modelled	43.6	15	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
24	d1q4ra_		not modelled	43.6	13	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Plant stress-induced protein
25	d1kvja_		not modelled	43.3	12	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
26	c2lqbA_		not modelled	42.2	8	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: metal binding repeat 2 of the wilson disease protein (atp7b)
27	c6ff2A_		not modelled	42.0	14	PDB header: chaperone Chain: A: PDB Molecule: copper chaperone copz; PDBTitle: copz metallochaperone
28	c5t17A_		not modelled	41.6	23	PDB header: transferase Chain: A: PDB Molecule: phosphocarrier protein npr; PDBTitle: nmr structure of the e. coli protein npr, residues 1-85
29	d1pcha_		not modelled	41.5	14	Fold: HPr-like Superfamily: HPr-like

					Family: HPr-like
30	d2aw0a	Alignment	not modelled	40.9	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
31	d1ka5a	Alignment	not modelled	40.3	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
32	d1cm3a	Alignment	not modelled	40.3	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
33	d1ptfa	Alignment	not modelled	40.1	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
34	c2rmlA	Alignment	not modelled	39.9	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting p-type atpase copa; PDBTitle: solution structure of the n-terminal soluble domains of2 bacillus subtilis copa
35	d1osda	Alignment	not modelled	39.7	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
36	c2l3mA	Alignment	not modelled	39.6	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
37	d1qr5a	Alignment	not modelled	38.3	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
38	c2kkhA	Alignment	not modelled	37.9	PDB header: metal transport Chain: A: PDB Molecule: putative heavy metal transporter; PDBTitle: structure of the zinc binding domain of the atpase hma4
39	d1p6ta2	Alignment	not modelled	36.9	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
40	c2ew9A	Alignment	not modelled	35.8	PDB header: hydrolase Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: solution structure of apowlns-6
41	c1y3kA	Alignment	not modelled	35.1	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
42	d2nzul1	Alignment	not modelled	35.0	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
43	c2ga7A	Alignment	not modelled	33.5	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)
44	c3bb5B	Alignment	not modelled	33.3	PDB header: unknown function Chain: B: PDB Molecule: stress responsive alpha-beta protein; PDBTitle: crystal structure of a dimeric ferredoxin-like protein of unknown2 function (jann_3925) from jannaschia sp. ccs1 at 2.30 a resolution
45	c3le1B	Alignment	not modelled	32.9	PDB header: transferase Chain: B: PDB Molecule: phosphotransferase system, hpr-related proteins; PDBTitle: crystal structure of apohpr monomer from thermoanaerobacter2 tengcongensis
46	c4u9rA	Alignment	not modelled	32.9	PDB header: hydrolase Chain: A: PDB Molecule: czcp cation efflux p1-atpase; PDBTitle: structure of the n-terminal extension from cupriavidus metallidurans2 czcp
47	c3dxsX	Alignment	not modelled	31.7	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
48	d2fgca2	Alignment	not modelled	29.8	Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like
49	d2hpра	Alignment	not modelled	29.1	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
50	c5o5jF	Alignment	not modelled	28.5	PDB header: ribosome Chain: F: PDB Molecule: 30s ribosomal protein s6; PDBTitle: structure of the 30s small ribosomal subunit from mycobacterium2 smegmatis
51	c1yjrA	Alignment	not modelled	27.2	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
52	d1mola	Alignment	not modelled	27.0	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
53	d1t3ta3	Alignment	not modelled	27.0	Fold: PurS-like Superfamily: PurS-like Family: FGAM synthase PurL, PurS-like domain
54	d1zvvj1	Alignment	not modelled	26.5	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
55	d1ffgb	Alignment	not modelled	24.7	Fold: Ferredoxin-like Superfamily: CheY-binding domain of CheA Family: CheY-binding domain of CheA

56	c1a0oH	Alignment	not modelled	24.3	10	PDB header: chemotaxis Chain: H: PDB Molecule: chea; PDBTitle: chey-binding domain of chea in complex with chey
57	d2hmfa3	Alignment	not modelled	23.4	25	Fold: Ferredoxin-like Superfamily: ACT-like Family: Aspartokinase allosteric domain-like
58	c2n7yA	Alignment	not modelled	22.0	15	PDB header: metal binding protein Chain: A: PDB Molecule: copper-transporting atpase 2; PDBTitle: nmr structure of metal-binding domain 1 of atp7b
59	c3bdeA	Alignment	not modelled	21.9	15	PDB header: unknown function Chain: A: PDB Molecule: mll5499 protein; PDBTitle: crystal structure of a dabb family protein with a ferredoxin-like fold2 (mll5499) from mesorhizobium loti maff303099 at 1.79 a resolution
60	d1cpza	Alignment	not modelled	21.9	19	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
61	d1cuka1	Alignment	not modelled	20.7	24	Fold: RuvA C-terminal domain-like Superfamily: DNA helicase RuvA subunit, C-terminal domain Family: DNA helicase RuvA subunit, C-terminal domain
62	c3gkuB	Alignment	not modelled	20.7	7	PDB header: rna binding protein Chain: B: PDB Molecule: probable rna-binding protein; PDBTitle: crystal structure of a probable rna-binding protein from clostridium2 symbiosum atcc 14940
63	c3fmbA	Alignment	not modelled	19.9	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: dimeric protein of unknown function and ferredoxin-like PDBTitle: crystal structure of dimeric protein of unknown function and2 ferredoxin-like fold (yp_212648.1) from bacteroides fragilis nctc3 9343 at 1.85 a resolution
64	d2ggpb1	Alignment	not modelled	19.3	16	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
65	d2pc6a2	Alignment	not modelled	17.7	14	Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like
66	c2kt2A	Alignment	not modelled	17.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: structure of nmera, the n-terminal hma domain of tn501 mercuric2 reductase
67	d2f1fa1	Alignment	not modelled	16.0	16	Fold: Ferredoxin-like Superfamily: ACT-like Family: IlvH-like
68	c2fgcA	Alignment	not modelled	15.8	23	PDB header: transferase Chain: A: PDB Molecule: acetolactate synthase, small subunit; PDBTitle: crystal structure of acetolactate synthase- small subunit from2 thermotoga maritima
69	c3r9IA	Alignment	not modelled	14.9	15	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside diphosphate kinase from giardia2 lamblia featuring a disordered dinucleotide binding site
70	d1ogda	Alignment	not modelled	14.5	36	Fold: RbsD-like Superfamily: RbsD-like Family: RbsD-like
71	c3lfkC	Alignment	not modelled	14.0	18	PDB header: unknown function Chain: C: PDB Molecule: marr like protein, tvg0766549; PDBTitle: a reported archaeal mechanosensitive channel is a structural2 homolog of marr-like transcriptional regulators
72	c2gcfa	Alignment	not modelled	13.4	20	PDB header: hydrolase Chain: A: PDB Molecule: cation-transporting atpase pacs; PDBTitle: solution structure of the n-terminal domain of the copper(i) atpase2 pacs in its apo form
73	c1yg0A	Alignment	not modelled	12.9	30	PDB header: metal transport Chain: A: PDB Molecule: cop associated protein; PDBTitle: solution structure of apo-copp from helicobacter pylori
74	c3bjvA	Alignment	not modelled	12.6	6	PDB header: transferase Chain: A: PDB Molecule: rmpa; PDBTitle: the crystal structure of a putative pts iia(ptxa) from streptococcus2 mutans
75	d1sjpa3	Alignment	not modelled	12.6	27	Fold: GroEL-intermediate domain like Superfamily: GroEL-intermediate domain like Family: GroEL-like chaperone, intermediate domain
76	c2pc6C	Alignment	not modelled	11.4	15	PDB header: lyase Chain: C: PDB Molecule: probable acetolactate synthase isozyme iii (small subunit); PDBTitle: crystal structure of putative acetolactate synthase- small subunit2 from nitrosomonas europaea
77	d1iuea	Alignment	not modelled	11.0	13	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
78	c3dlua	Alignment	not modelled	10.9	24	PDB header: rna binding protein Chain: A: PDB Molecule: signal recognition particle 19 kda protein; PDBTitle: structures of srp54 and srp19, the two proteins assemblingthe2 ribonucleic core of the signal recognition particle from the archaeon3 pyrococcus furiosus.
79	c2e1aD	Alignment	not modelled	10.3	10	PDB header: transcription Chain: D: PDB Molecule: 75aa long hypothetical regulatory protein asnc; PDBTitle: crystal structure of ffrp-dm1
80	d1Inga	Alignment	not modelled	10.3	32	Fold: SRP19 Superfamily: SRP19 Family: SRP19
81	c3hkhA	Alignment	not modelled	9.9	9	PDB header: hydrolase Chain: A: PDB Molecule: lytic transglycosylase;

81	c2un1A	Alignment	not modelled	9.9	0	PDBTitle: crystal structure of the bacteriophage phikz lytic2 transglycosylase, gp144 PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein from2 listeria monocytogenes, trigonal form
82	c3bqsB	Alignment	not modelled	9.7	15	PDB header: signaling protein Chain: B: PDB Molecule: fermitin family homolog 2,integrin beta-1; PDBTitle: structural basis of kindlin-mediated integrin recognition and2 activation
83	c5xq0B	Alignment	not modelled	9.3	11	Fold: PGBD-like Superfamily: PGBD-like Family: Peptidoglycan binding domain, PGBD
84	d1lbu1	Alignment	not modelled	9.2	0	PDB header: membrane protein Chain: A: PDB Molecule: cell division protein ftsx; PDBTitle: solution structure of the large extracellular loop of ftsx in2 streptococcus pneumoniae
85	c6mk7A	Alignment	not modelled	9.2	8	PDB header: RNA/RNA binding protein Chain: A: PDB Molecule: signal recognition particle 19 kDa protein; PDBTitle: crystal structure of the srp19/s-domain srp RNA complex of sulfolobus2 solfataricus
86	c3ktwA	Alignment	not modelled	9.0	22	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
87	d1mwza	Alignment	not modelled	9.0	21	PDB header: hydrolase Chain: B: PDB Molecule: formamidopyrimidine-DNA glycosylase 1; PDBTitle: crystal structure of arabidopsis thaliana fpg
88	c3twkB	Alignment	not modelled	8.8	35	PDB header: cell cycle Chain: B: PDB Molecule: spindle and kinetochore-associated protein 1; PDBTitle: structural basis for the microtubule binding of the human2 kinetochore Ska complex
89	c4c9yB	Alignment	not modelled	8.8	19	PDB header: transferase Chain: A: PDB Molecule: phosphotransferase enzyme ii, a component; PDBTitle: structure of phosphotransferase enzyme ii, a component from yersinia2 pestis co92 at 1.2 a resolution
90	c3oxpA	Alignment	not modelled	8.8	14	PDB header: transferase Chain: B: PDB Molecule: phosphotransferase enzyme ii, a component; PDBTitle: structure of phosphotransferase enzyme ii, a component from yersinia2 pestis co92 at 1.2 a resolution
91	c3oxpB	Alignment	not modelled	8.8	14	PDB header: transferase Chain: A: PDB Molecule: acetolactate synthase isozyme iii small subunit; PDBTitle: crystal structure of the regulatory subunit of acetohydroxyacid2 synthase isozyme iii from e. coli
92	c2f1fA	Alignment	not modelled	8.6	16	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: DNA repair protein Rad51, N-terminal domain
93	d1szpa1	Alignment	not modelled	8.4	26	PDB header: hydrolase Chain: A: PDB Molecule: sporulation-specific N-acetyl muramoyl-L-alanine PDBTitle: solution structure of the peptidoglycan binding domain of2 b. subtilis cell wall lytic enzyme cwlC
94	c1x60A	Alignment	not modelled	8.4	4	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: fas-associated factor 1; PDBTitle: solution structure of the uas domain from human fas-2 associated factor 1
95	c2ec4A	Alignment	not modelled	8.1	12	Fold: Methylglyoxal synthase-like Superfamily: Methylglyoxal synthase-like Family: Inosicase
96	d1zcza1	Alignment	not modelled	8.1	30	PDB header: transcription Chain: A: PDB Molecule: putative nitrogen regulatory protein pii; PDBTitle: crystal structure of smu.1657c, putative nitrogen regulatory protein2 pii from streptococcus mutans
97	c3l7pA	Alignment	not modelled	7.9	15	PDB header: lipid binding protein Chain: A: PDB Molecule: acyl-coa binding protein; PDBTitle: crystal structure of acbp from moniliophthora perniciosa
98	c3fp5A	Alignment	not modelled	7.9	20	PDB header: protein binding Chain: B: PDB Molecule: protein hit1; PDBTitle: solution structure of the complex between the yeast rsa1 and hit12 proteins
99	c2mjfB	Alignment	not modelled	7.8	23	