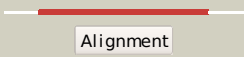

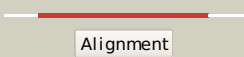

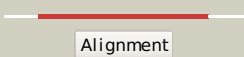

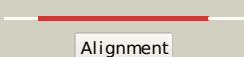

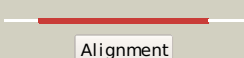



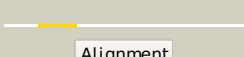
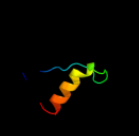
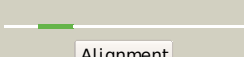
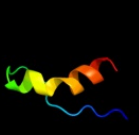
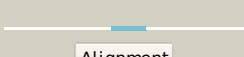
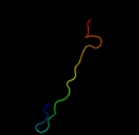
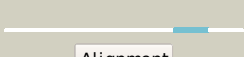
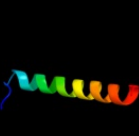
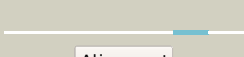



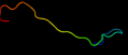








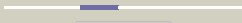
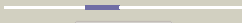

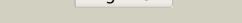

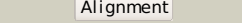


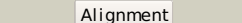


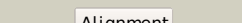
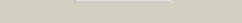
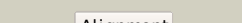
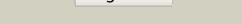


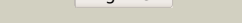
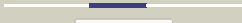

# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0A7D1
Date	Thu Jan 5 11:05:23 GMT 2012
Unique Job ID	13e506d27d061295

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d2ptha_</a>	 Alignment		100.0	100	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> Peptidyl-tRNA hydrolase-like <b>Family:</b> Peptidyl-tRNA hydrolase-like
2	<a href="#">c3neaA_</a>	 Alignment		100.0	44	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> peptidyl-tRNA hydrolase; <b>PDBTitle:</b> crystal structure of peptidyl-tRNA hydrolase from francisella2 tularensis
3	<a href="#">c3v2iA_</a>	 Alignment		100.0	56	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> peptidyl-tRNA hydrolase; <b>PDBTitle:</b> structure of a peptidyl-tRNA hydrolase (pth) from burkholderia2 thailandensis
4	<a href="#">c2z2jA_</a>	 Alignment		100.0	39	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> peptidyl-tRNA hydrolase; <b>PDBTitle:</b> crystal structure of peptidyl-tRNA hydrolase from mycobacterium2 tuberculosis
5	<a href="#">d1ryba_</a>	 Alignment		100.0	33	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> Peptidyl-tRNA hydrolase-like <b>Family:</b> Peptidyl-tRNA hydrolase-like
6	<a href="#">d1cfza_</a>	 Alignment		83.8	28	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> HybD-like <b>Family:</b> Hydrogenase maturing endopeptidase HybD
7	<a href="#">c2e85B_</a>	 Alignment		76.7	13	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> hydrogenase 3 maturation protease; <b>PDBTitle:</b> crystal structure of the hydrogenase 3 maturation protease
8	<a href="#">d1c8ba_</a>	 Alignment		50.1	43	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> HybD-like <b>Family:</b> Germination protease
9	<a href="#">c2jvaA_</a>	 Alignment		39.2	30	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> peptidyl-tRNA hydrolase domain protein; <b>PDBTitle:</b> nmr solution structure of peptidyl-tRNA hydrolase domain protein from2 pseudomonas syringae pv. tomato. northeast structural genomics3 consortium target psr211
10	<a href="#">d2ea9a1</a>	 Alignment		36.7	24	<b>Fold:</b> Profilin-like <b>Superfamily:</b> YeeU-like <b>Family:</b> YagB/YeeU/YfjZ-like
11	<a href="#">d2inwa1</a>	 Alignment		34.8	21	<b>Fold:</b> Profilin-like <b>Superfamily:</b> YeeU-like <b>Family:</b> YagB/YeeU/YfjZ-like

12	<a href="#">c3tgnA_</a>	Alignment		33.9	17	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> adc operon repressor adcr; <b>PDBTitle:</b> crystal structure of the zinc-dependent marr family transcriptional2 regulator adcr in the zn(ii)-bound state
13	<a href="#">d2h28a1</a>	Alignment		33.0	21	<b>Fold:</b> Profilin-like <b>Superfamily:</b> YeeU-like <b>Family:</b> YagB/YeeU/YfjZ-like
14	<a href="#">c2jy9A_</a>	Alignment		32.4	11	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative trna hydrolase domain; <b>PDBTitle:</b> nmr structure of putative trna hydrolase domain from2 salmonella typhimurium. northeast structural genomics3 consortium target str220
15	<a href="#">c3pu6A_</a>	Alignment		31.8	18	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> the crystal structure of an uncharacterized protein from wollinella2 succinogenes
16	<a href="#">c3mpoD_</a>	Alignment		23.3	11	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> predicted hydrolase of the had superfamily; <b>PDBTitle:</b> the crystal structure of a hydrolase from lactobacillus brevis
17	<a href="#">c3gygA_</a>	Alignment		21.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ntd biosynthesis operon putative hydrolase ntdb; <b>PDBTitle:</b> crystal structure of yjhk (haloacid dehalogenase-like hydrolase2 protein) from bacillus subtilis
18	<a href="#">d1am7a_</a>	Alignment		20.5	12	<b>Fold:</b> Lysozyme-like <b>Superfamily:</b> Lysozyme-like <b>Family:</b> Lambda lysozyme
19	<a href="#">c3ippA_</a>	Alignment		20.4	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative thiosulfate sulfurtransferase ynjc; <b>PDBTitle:</b> crystal structure of sulfur-free ynjc
20	<a href="#">c3s2wB_</a>	Alignment		17.0	3	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> the crystal structure of a marr transcriptional regulator from2 methanosarcina mazei go1
21	<a href="#">c2bb3B_</a>	Alignment	not modelled	16.0	30	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> cobalamin biosynthesis precorrin-6y methylase (cbie); <b>PDBTitle:</b> crystal structure of cobalamin biosynthesis precorrin-6y methylase2 (cbie) from archaeoglobus fulgidus
22	<a href="#">c1ynmA_</a>	Alignment	not modelled	15.3	22	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> r.hinpl1 restriction endonuclease; <b>PDBTitle:</b> crystal structure of restriction endonuclease hinpl1
23	<a href="#">d2nqra3</a>	Alignment	not modelled	15.3	20	<b>Fold:</b> Molybdenum cofactor biosynthesis proteins <b>Superfamily:</b> Molybdenum cofactor biosynthesis proteins <b>Family:</b> MoeA central domain-like
24	<a href="#">c3kp3B_</a>	Alignment	not modelled	14.0	3	<b>PDB header:</b> transcription regulator/antibiotic <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator tcar; <b>PDBTitle:</b> staphylococcus epidermidis in complex with ampicillin
25	<a href="#">c3n39D_</a>	Alignment	not modelled	13.9	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> protein nrdr; <b>PDBTitle:</b> ribonucleotide reductase di manganese(ii)-nrdr from escherichia coli in2 complex with nrdr
26	<a href="#">c1uj1A_</a>	Alignment	not modelled	13.4	16	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> potassium voltage-gated channel subfamily h <b>PDBTitle:</b> solution structure of the herg k+ channel s5-p2 extracellular linker
27	<a href="#">c3ndcB_</a>	Alignment	not modelled	13.4	31	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> precorrin-4 c(11)-methyltransferase; <b>PDBTitle:</b> crystal structure of precorrin-4 c11-methyltransferase from2 rhodobacter capsulatus
28	<a href="#">d2bb3a1</a>	Alignment	not modelled	13.3	33	<b>Fold:</b> Tetrapyrrole methylase <b>Superfamily:</b> Tetrapyrrole methylase <b>Family:</b> Tetrapyrrole methylase

29	<a href="#">c3hzuA_</a>	 Alignment	not modelled	13.2	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thiosulfate sulfurtransferase ssea; <b>PDBTitle:</b> crystal structure of probable thiosulfate sulfurtransferase ssea2 (rhodanese) from mycobacterium tuberculosis
30	<a href="#">c2jcyA_</a>	 Alignment	not modelled	11.8	33	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> 1-deoxy-d-xylulose 5-phosphate reductoisomerase; <b>PDBTitle:</b> x-ray structure of mutant 1-deoxy-d-xylulose 5-phosphate2 reductoisomerase, dxr, rv2870c, from mycobacterium3 tuberculosis
31	<a href="#">c2ofpB_</a>	 Alignment	not modelled	10.8	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> ketopantoate reductase; <b>PDBTitle:</b> crystal structure of escherichia coli ketopantoate2 reductase in a ternary complex with nadp+ and pantoate
32	<a href="#">d1r0ka3</a>	 Alignment	not modelled	10.7	26	<b>Fold:</b> FwdE/GAPDH domain-like <b>Superfamily:</b> Glyceraldehyde-3-phosphate dehydrogenase-like, C-terminal domain <b>Family:</b> Dihydrodipicolinate reductase-like
33	<a href="#">d1s2oa1</a>	 Alignment	not modelled	10.6	23	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Predicted hydrolases Cof
34	<a href="#">c3bpqD_</a>	 Alignment	not modelled	10.4	39	<b>PDB header:</b> toxin <b>Chain:</b> D: <b>PDB Molecule:</b> toxin rele3; <b>PDBTitle:</b> crystal structure of relb-rele antitoxin-toxin complex from2 methanococcus jannaschii
35	<a href="#">d1q0qa3</a>	 Alignment	not modelled	10.3	22	<b>Fold:</b> FwdE/GAPDH domain-like <b>Superfamily:</b> Glyceraldehyde-3-phosphate dehydrogenase-like, C-terminal domain <b>Family:</b> Dihydrodipicolinate reductase-like
36	<a href="#">c3e8mD_</a>	 Alignment	not modelled	10.1	19	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> acylneuraminate cytidyltransferase; <b>PDBTitle:</b> structure-function analysis of 2-keto-3-deoxy-d-glycero-d-galacto-2 nononate-9-phosphate (kdn) phosphatase defines a new clad within the3 type c0 had subfamily
37	<a href="#">c3ecoB_</a>	 Alignment	not modelled	9.9	3	<b>PDB header:</b> transcription <b>Chain:</b> B: <b>PDB Molecule:</b> mepr; <b>PDBTitle:</b> crystal structure of mepr, a transcription regulator of the2 staphylococcus aureus multidrug efflux pump mepa
38	<a href="#">c3av6A_</a>	 Alignment	not modelled	9.8	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dna (cytosine-5)-methyltransferase 1; <b>PDBTitle:</b> crystal structure of mouse dna methyltransferase 1 with adomet
39	<a href="#">d1lama2</a>	 Alignment	not modelled	9.8	25	<b>Fold:</b> Macro domain-like <b>Superfamily:</b> Macro domain-like <b>Family:</b> Leucine aminopeptidase (Aminopeptidase A), N-terminal domain
40	<a href="#">c3euwB_</a>	 Alignment	not modelled	9.7	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> myo-inositol dehydrogenase; <b>PDBTitle:</b> crystal structure of a myo-inositol dehydrogenase from corynebacterium2 glutamicum atcc 13032
41	<a href="#">c3n1uA_</a>	 Alignment	not modelled	9.5	23	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hydrolase, had superfamily, subfamily iii a; <b>PDBTitle:</b> structure of putative had superfamily (subfamily iii a) hydrolase from2 legionella pneumophila
42	<a href="#">c3bj6B_</a>	 Alignment	not modelled	9.0	6	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of marr family transcription regulator sp03579
43	<a href="#">c1uarA_</a>	 Alignment	not modelled	9.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rhodanese; <b>PDBTitle:</b> crystal structure of rhodanese from thermus thermophilus hb8
44	<a href="#">d3eeqa2</a>	 Alignment	not modelled	8.9	22	<b>Fold:</b> CbiG N-terminal domain-like <b>Superfamily:</b> CbiG N-terminal domain-like <b>Family:</b> CbiG N-terminal domain-like
45	<a href="#">d2bgxa2</a>	 Alignment	not modelled	8.7	15	<b>Fold:</b> N-acetylmuramoyl-L-alanine amidase-like <b>Superfamily:</b> N-acetylmuramoyl-L-alanine amidase-like <b>Family:</b> N-acetylmuramoyl-L-alanine amidase-like
46	<a href="#">d1fima_</a>	 Alignment	not modelled	8.3	14	<b>Fold:</b> Tautomerase/MIF <b>Superfamily:</b> Tautomerase/MIF <b>Family:</b> MIF-related
47	<a href="#">d1bofa2</a>	 Alignment	not modelled	8.0	27	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
48	<a href="#">d1wvia_</a>	 Alignment	not modelled	8.0	7	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
49	<a href="#">c3rfqC_</a>	Alignment	not modelled	7.4	14	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> C: <b>PDB Molecule:</b> pterin-4-alpha-carbinolamine dehydratase moab2; <b>PDBTitle:</b> crystal structure of pterin-4-alpha-carbinolamine dehydratase moab22 from mycobacterium marinum
50	<a href="#">d1mv8a2</a>	Alignment	not modelled	7.3	30	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
51	<a href="#">c3ikmD_</a>	Alignment	not modelled	7.3	26	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> dna polymerase subunit gamma-1; <b>PDBTitle:</b> crystal structure of human mitochondrial dna polymerase2 holoenzyme
52	<a href="#">d2etha1</a>	Alignment	not modelled	7.2	17	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
53	<a href="#">d2nu7b2</a>	Alianment	not modelled	7.1	18	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like

						<b>Family:</b> Succinyl-CoA synthetase, beta-chain, N-terminal domain
54	<a href="#">c3fzqA_</a>	Alignment	not modelled	7.1	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative hydrolase; <b>PDBTitle:</b> crystal structure of putative haloacid dehalogenase-like hydrolase2 (yp_001086940.1) from clostridium difficile 630 at 2.10 a resolution
55	<a href="#">c2bh7A_</a>	Alignment	not modelled	7.1	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetylmuramoyl-l-alanine amidase; <b>PDBTitle:</b> crystal structure of a semet derivative of amid at 2.22 angstroms
56	<a href="#">c2zetD_</a>	Alignment	not modelled	7.1	9	<b>PDB header:</b> signaling protein <b>Chain:</b> D: <b>PDB Molecule:</b> melanophilin; <b>PDBTitle:</b> crystal structure of the small gtpase rab27b complexed with2 the slp homology domain of slac2-a/melanophilin
57	<a href="#">d1k1ea_</a>	Alignment	not modelled	7.0	8	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Probable phosphatase Yrbl
58	<a href="#">c3r6mD_</a>	Alignment	not modelled	6.9	29	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> yeaz, resuscitation promoting factor; <b>PDBTitle:</b> crystal structure of vibrio parahaemolyticus yeaz
59	<a href="#">c3l6dB_</a>	Alignment	not modelled	6.9	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> putative oxidoreductase; <b>PDBTitle:</b> crystal structure of putative oxidoreductase from pseudomonas putida2 kt2440
60	<a href="#">d2f1ka2</a>	Alignment	not modelled	6.8	35	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
61	<a href="#">c3kbqA_</a>	Alignment	not modelled	6.7	17	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> protein ta0487; <b>PDBTitle:</b> the crystal structure of the protein cina with unknown function from2 thermoplasma acidophilum
62	<a href="#">c1okgA_</a>	Alignment	not modelled	6.7	5	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> possible 3-mercaptopyruvate sulfurtransferase; <b>PDBTitle:</b> 3-mercaptopyruvate sulfurtransferase from leishmania major
63	<a href="#">c3mn1B_</a>	Alignment	not modelled	6.6	8	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> probable yrbi family phosphatase; <b>PDBTitle:</b> crystal structure of probable yrbi family phosphatase from pseudomonas2 syringae pv.phaseolica 1448a
64	<a href="#">d1ys9a1</a>	Alignment	not modelled	6.6	10	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
65	<a href="#">c2cftA_</a>	Alignment	not modelled	6.5	23	<b>PDB header:</b> phosphatase <b>Chain:</b> A: <b>PDB Molecule:</b> pyridoxal phosphate phosphatase; <b>PDBTitle:</b> crystal structure of human pyridoxal 5'-phosphate2 phosphatase with its substrate
66	<a href="#">c3nt5B_</a>	Alignment	not modelled	6.5	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> inositol 2-dehydrogenase/d-chiro-inositol 3-dehydrogenase; <b>PDBTitle:</b> crystal structure of myo-inositol dehydrogenase from bacillus subtilis2 with bound cofactor and product inosose
67	<a href="#">c2p9jH_</a>	Alignment	not modelled	6.4	10	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> H: <b>PDB Molecule:</b> hypothetical protein aq2171; <b>PDBTitle:</b> crystal structure of aq2171 from aquifex aeolicus
68	<a href="#">c3boqB_</a>	Alignment	not modelled	6.4	7	<b>PDB header:</b> transcription regulator <b>Chain:</b> B: <b>PDB Molecule:</b> transcriptional regulator, marr family; <b>PDBTitle:</b> crystal structure of marr family transcriptional regulator from2 silicibacter pomeroyi
69	<a href="#">c2xtsD_</a>	Alignment	not modelled	6.1	13	<b>PDB header:</b> oxidoreductase/electron transport <b>Chain:</b> D: <b>PDB Molecule:</b> cytochrome; <b>PDBTitle:</b> crystal structure of the sulfane dehydrogenase soxcd from paracoccus2 pantotrophus
70	<a href="#">c3oopA_</a>	Alignment	not modelled	6.0	4	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> lin2960 protein; <b>PDBTitle:</b> the structure of a protein with unknown function from listeria innocua2 clip11262
71	<a href="#">d1gcya1</a>	Alignment	not modelled	5.8	67	<b>Fold:</b> Glycosyl hydrolase domain <b>Superfamily:</b> Glycosyl hydrolase domain <b>Family:</b> alpha-Amylases, C-terminal beta-sheet domain
72	<a href="#">c2hx1D_</a>	Alignment	not modelled	5.8	24	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> predicted sugar phosphatases of the had <b>PDBTitle:</b> crystal structure of possible sugar phosphatase, had2 superfamily (zp_00311070.1) from cytophaga hutchinsonii3 atcc 33406 at 2.10 a resolution
73	<a href="#">d2al3a1</a>	Alignment	not modelled	5.8	18	<b>Fold:</b> beta-Grasp (ubiquitin-like) <b>Superfamily:</b> Ubiquitin-like <b>Family:</b> UBX domain
74	<a href="#">c2r8zC_</a>	Alignment	not modelled	5.6	19	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> 3-deoxy-d-manno-octulosonate 8-phosphate phosphatase; <b>PDBTitle:</b> crystal structure of yrbi phosphatase from escherichia coli in complex2 with a phosphate and a calcium ion
75	<a href="#">d1yv9a1</a>	Alignment	not modelled	5.6	3	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
76	<a href="#">d1k47a2</a>	Alignment	not modelled	5.4	7	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> GHMP Kinase, C-terminal domain <b>Family:</b> Phosphomevalonate kinase (PMK)
77	<a href="#">d1kmma1</a>	Alignment	not modelled	5.4	16	<b>Fold:</b> Anticodon-binding domain-like <b>Superfamily:</b> Class II aaRS ABD-related <b>Family:</b> Anticodon-binding domain of Class II aaRS
78	<a href="#">d1y5ea1</a>	Alignment	not modelled	5.4	10	<b>Fold:</b> Molybdenum cofactor biosynthesis proteins <b>Superfamily:</b> Molybdenum cofactor biosynthesis proteins <b>Family:</b> MogA-like

79	<a href="#">d1s3ja_</a>	Alignment	not modelled	5.3	14	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> MarR-like transcriptional regulators
80	<a href="#">c2pjkA_</a>	Alignment	not modelled	5.3	10	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> 178aa long hypothetical molybdenum cofactor <b>PDBTitle:</b> structure of hypothetical molybdenum cofactor biosynthesis2 protein b from sulfolobus tokodaii
81	<a href="#">d2j49a1</a>	Alignment	not modelled	5.3	8	<b>Fold:</b> Taf5 N-terminal domain-like <b>Superfamily:</b> Taf5 N-terminal domain-like <b>Family:</b> Taf5 N-terminal domain-like
82	<a href="#">c3e6mD_</a>	Alignment	not modelled	5.2	9	<b>PDB header:</b> transcription regulator <b>Chain:</b> D: <b>PDB Molecule:</b> marr family transcriptional regulator; <b>PDBTitle:</b> the crystal structure of a marr family transcriptional2 regulator from silicibacter pomeroyi dss.
83	<a href="#">c3au9A_</a>	Alignment	not modelled	5.2	30	<b>PDB header:</b> isomerase/isomerase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> 1-deoxy-d-xylulose 5-phosphate reductoisomerase; <b>PDBTitle:</b> crystal structure of the quaternary complex-1 of an isomerase
84	<a href="#">d1ydfa1</a>	Alignment	not modelled	5.1	7	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like