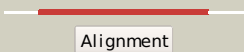

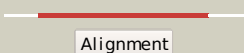

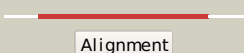

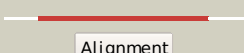



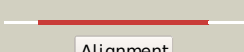

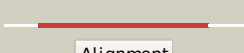

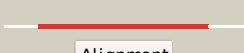
























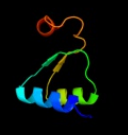










# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P30126
Date	Thu Jan 5 11:45:48 GMT 2012
Unique Job ID	c850d0852fe4b222

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3q3wB_</a>	 Alignment		100.0	50	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 3-isopropylmalate dehydratase small subunit; <b>PDBTitle:</b> isopropylmalate isomerase small subunit from campylobacter jejuni.
2	<a href="#">c2hcuA_</a>	 Alignment		100.0	47	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-isopropylmalate dehydratase small subunit; <b>PDBTitle:</b> crystal structure of smu.1381 (or leud) from streptococcus2 mutans
3	<a href="#">c3h5jA_</a>	 Alignment		100.0	45	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-isopropylmalate dehydratase small subunit; <b>PDBTitle:</b> leud_1-168 small subunit of isopropylmalate isomerase (rv2987c) from2 mycobacterium tuberculosis
4	<a href="#">d1v7la_</a>	 Alignment		100.0	30	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> LeuD/IlvD-like <b>Family:</b> LeuD-like
5	<a href="#">c2pkpA_</a>	 Alignment		100.0	31	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> homoaconitase small subunit; <b>PDBTitle:</b> crystal structure of 3-isopropylmalate dehydratase (leud)2 from methanocaldococcus jannaschii dsm2661 (mj1271)
6	<a href="#">d1acoa1</a>	 Alignment		100.0	21	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> LeuD/IlvD-like <b>Family:</b> LeuD-like
7	<a href="#">d2b3ya1</a>	 Alignment		100.0	21	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> LeuD/IlvD-like <b>Family:</b> LeuD-like
8	<a href="#">d1l5ja2</a>	 Alignment		100.0	20	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> LeuD/IlvD-like <b>Family:</b> LeuD-like
9	<a href="#">c2b3yB_</a>	 Alignment		100.0	23	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> iron-responsive element binding protein 1; <b>PDBTitle:</b> structure of a monoclinic crystal form of human cytosolic aconitase2 (irp1)
10	<a href="#">c5acnA_</a>	 Alignment		100.0	21	<b>PDB header:</b> lyase(carbon-oxygen) <b>Chain:</b> A: <b>PDB Molecule:</b> aconitase; <b>PDBTitle:</b> structure of activated aconitase. formation of the (4fe-4s)2 cluster in the crystal
11	<a href="#">c1l5jB_</a>	 Alignment		99.7	22	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> aconitase hydratase 2; <b>PDBTitle:</b> crystal structure of e. coli aconitase b.

12	<a href="#">c1t6zB_</a>	 Alignment		65.4	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> riboflavin kinase/fmn adenylyltransferase; <b>PDBTitle:</b> crystal structure of riboflavin bound tm379
13	<a href="#">d1eolA_</a>	 Alignment		56.3	15	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Nitrogenase accessory factor-like <b>Family:</b> MTH1175-like
14	<a href="#">c2yx6C_</a>	 Alignment		56.2	9	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> C: <b>PDB Molecule:</b> hypothetical protein ph0822; <b>PDBTitle:</b> crystal structure of ph0822
15	<a href="#">c3op1A_</a>	 Alignment		55.4	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> macrolide-efflux protein; <b>PDBTitle:</b> crystal structure of macrolide-efflux protein sp_1110 from2 streptococcus pneumoniae
16	<a href="#">d1o13a_</a>	 Alignment		51.8	12	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Nitrogenase accessory factor-like <b>Family:</b> MTH1175-like
17	<a href="#">d1rdua_</a>	 Alignment		49.3	9	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Nitrogenase accessory factor-like <b>Family:</b> MTH1175-like
18	<a href="#">c2qtdA_</a>	 Alignment		46.4	13	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein mj0327; <b>PDBTitle:</b> crystal structure of a putative dinitrogenase (mj0327) from2 methanocaldococcus jannaschii dsm at 1.70 a resolution
19	<a href="#">d1t3va_</a>	 Alignment		41.1	13	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Nitrogenase accessory factor-like <b>Family:</b> MTH1175-like
20	<a href="#">c2wfbA_</a>	 Alignment		36.7	8	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein orp; <b>PDBTitle:</b> high resolution structure of the apo form of the orange2 protein (orp) from desulfovibrio gigas
21	<a href="#">c2dlnA_</a>	 Alignment	not modelled	33.9	22	<b>PDB header:</b> ligase(peptidoglycan synthesis) <b>Chain:</b> A: <b>PDB Molecule:</b> d-alanine--d-alanine ligase; <b>PDBTitle:</b> vancomycin resistance: structure of d-alanine:d-alanine2 ligase at 2.3 angstroms resolution
22	<a href="#">c1vkzA_</a>	 Alignment	not modelled	32.1	34	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoribosylamine--glycine ligase; <b>PDBTitle:</b> crystal structure of phosphoribosylamine--glycine ligase (tm1250) from2 thermotoga maritima at 2.30 a resolution
23	<a href="#">c3la8A_</a>	 Alignment	not modelled	29.8	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative purine nucleoside phosphorylase; <b>PDBTitle:</b> the crystal structure of smu.1229 from streptococcus mutans ua159
24	<a href="#">d1cmia_</a>	 Alignment	not modelled	29.5	24	<b>Fold:</b> DLC <b>Superfamily:</b> DLC <b>Family:</b> DLC
25	<a href="#">c3c3jA_</a>	 Alignment	not modelled	29.3	24	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> putative tagatose-6-phosphate ketose/aldose isomerase; <b>PDBTitle:</b> crystal structure of tagatose-6-phosphate ketose/aldose isomerase from2 escherichia coli
26	<a href="#">d1vkza2</a>	 Alignment	not modelled	29.3	45	<b>Fold:</b> PreATP-grasp domain <b>Superfamily:</b> PreATP-grasp domain <b>Family:</b> BC N-terminal domain-like
27	<a href="#">d3e2ba1</a>	 Alignment	not modelled	29.0	24	<b>Fold:</b> DLC <b>Superfamily:</b> DLC <b>Family:</b> DLC
28	<a href="#">d1a9xa3</a>	 Alignment	not modelled	28.9	36	<b>Fold:</b> PreATP-grasp domain <b>Superfamily:</b> PreATP-grasp domain <b>Family:</b> BC N-terminal domain-like

29	<a href="#">c3t07D_</a>	Alignment	not modelled	28.2	14	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> D: <b>PDB Molecule:</b> pyruvate kinase; <b>PDBTitle:</b> crystal structure of s. aureus pyruvate kinase in complex with a2 naturally occurring bis-indole alkaloid
30	<a href="#">d1xjha_</a>	Alignment	not modelled	28.1	37	<b>Fold:</b> HSP33 redox switch-like <b>Superfamily:</b> HSP33 redox switch-like <b>Family:</b> HSP33 redox switch-like
31	<a href="#">c3uvzB_</a>	Alignment	not modelled	27.1	20	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphoribosylaminoimidazole carboxylase, atpase subunit; <b>PDBTitle:</b> crystal structure of phosphoribosylaminoimidazole carboxylase, atpase2 subunit from burkholderia ambifaria
32	<a href="#">c1z34A_</a>	Alignment	not modelled	26.0	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> purine nucleoside phosphorylase; <b>PDBTitle:</b> crystal structure of trichomonas vaginalis purine nucleoside2 phosphorylase complexed with 2-fluoro-2'-deoxyadenosine
33	<a href="#">d1okkd2</a>	Alignment	not modelled	25.3	28	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nitrogenase iron protein-like
34	<a href="#">d1nyta1</a>	Alignment	not modelled	23.9	31	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Aminoacid dehydrogenase-like, C-terminal domain
35	<a href="#">c3fj1A_</a>	Alignment	not modelled	23.9	21	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> putative phosphosugar isomerase; <b>PDBTitle:</b> crystal structure of putative phosphosugar isomerase (yp_167080.1)2 from silicibacter pomeroyi dss-3 at 1.75 a resolution
36	<a href="#">c2zj3A_</a>	Alignment	not modelled	23.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> glucosamine--fructose-6-phosphate <b>PDBTitle:</b> isomerase domain of human glucose:fructose-6-phosphate2 amidotransferase
37	<a href="#">c1m6vE_</a>	Alignment	not modelled	23.0	26	<b>PDB header:</b> ligase <b>Chain:</b> E: <b>PDB Molecule:</b> carbamoyl phosphate synthetase large chain; <b>PDBTitle:</b> crystal structure of the g359f (small subunit) point mutant of2 carbamoyl phosphate synthetase
38	<a href="#">d1t0tv_</a>	Alignment	not modelled	22.3	23	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> Dimeric alpha+beta barrel <b>Family:</b> Chlorite dismutase-like
39	<a href="#">d2gp4a1</a>	Alignment	not modelled	21.8	24	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> LeuD/IlvD-like <b>Family:</b> IlvD/EDD C-terminal domain-like
40	<a href="#">d1zyma2</a>	Alignment	not modelled	21.6	9	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> Phosphohistidine domain <b>Family:</b> N-terminal domain of enzyme I of the PEP:sugar phosphotransferase system
41	<a href="#">c2re2A_</a>	Alignment	not modelled	21.1	7	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein ta1041; <b>PDBTitle:</b> crystal structure of a putative iron-molybdenum cofactor (femo-co)2 dinitrogenase (ta1041m) from thermoplasma acidophilum dsm 1728 at3 1.30 a resolution
42	<a href="#">d1vdha_</a>	Alignment	not modelled	20.6	18	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> Dimeric alpha+beta barrel <b>Family:</b> Chlorite dismutase-like
43	<a href="#">c3bgdB_</a>	Alignment	not modelled	20.0	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> thiopurine s-methyltransferase; <b>PDBTitle:</b> thiopurine s-methyltransferase
44	<a href="#">c3pg8B_</a>	Alignment	not modelled	19.6	14	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phospho-2-dehydro-3-deoxyheptonate aldolase; <b>PDBTitle:</b> truncated form of 3-deoxy-d-arabino-heptulosonate 7-phosphate synthase2 from thermotoga maritima
45	<a href="#">d2hi6a1</a>	Alignment	not modelled	19.5	15	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> LeuD/IlvD-like <b>Family:</b> AF0055-like
46	<a href="#">d1a9xa4</a>	Alignment	not modelled	19.3	24	<b>Fold:</b> PreATP-grasp domain <b>Superfamily:</b> PreATP-grasp domain <b>Family:</b> BC N-terminal domain-like
47	<a href="#">c2xd4A_</a>	Alignment	not modelled	19.1	34	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoribosylamine--glycine ligase; <b>PDBTitle:</b> nucleotide-bound structures of bacillus subtilis glycinamide2 ribonucleotide synthetase
48	<a href="#">c3idwA_</a>	Alignment	not modelled	18.9	14	<b>PDB header:</b> endocytosis <b>Chain:</b> A: <b>PDB Molecule:</b> actin cytoskeleton-regulatory complex protein sla1; <b>PDBTitle:</b> crystal structure of sla1 homology domain 2
49	<a href="#">c1ctvB_</a>	Alignment	not modelled	18.9	10	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> purine-nucleoside phosphorylase; <b>PDBTitle:</b> crystal structure of the purine nucleoside phosphorylase2 from schistosoma mansoni in complex with non-detergent3 sulfobetaine 195 and acetate
50	<a href="#">c2amlB_</a>	Alignment	not modelled	17.9	18	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> sis domain protein; <b>PDBTitle:</b> crystal structure of lmo0035 protein (46906266) from listeria2 monocytogenes 4b f2365 at 1.50 a resolution
51	<a href="#">c2jgqB_</a>	Alignment	not modelled	17.8	13	<b>PDB header:</b> isomerase <b>Chain:</b> B: <b>PDB Molecule:</b> triosephosphate isomerase; <b>PDBTitle:</b> kinetics and structural properties of triosephosphate2 isomerase from helicobacter pylori
52	<a href="#">c3m4qA_</a>	Alignment	not modelled	17.6	18	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> asparaginyl-trna synthetase, putative; <b>PDBTitle:</b> entamoeba histolytica asparaginyl-trna synthetase (asnrs)
53	<a href="#">d1oqya1</a>	Alignment	not modelled	17.4	25	<b>Fold:</b> RuvA C-terminal domain-like <b>Superfamily:</b> UBA-like

					<b>Family:</b> UBA domain
54	<a href="#">c3knzA_</a>	Alignment	not modelled	17.3	17 <b>PDB header:</b> sugar binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative sugar binding protein; <b>PDBTitle:</b> crystal structure of putative sugar binding protein (np_459565.1) from2 salmonella typhimurium lt2 at 2.50 a resolution
55	<a href="#">c2ip4A_</a>	Alignment	not modelled	17.0	27 <b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoribosylamine--glycine ligase; <b>PDBTitle:</b> crystal structure of glycylamide ribonucleotide synthetase from2 thermus thermophilus hb8
56	<a href="#">c3ijrF_</a>	Alignment	not modelled	16.9	20 <b>PDB header:</b> oxidoreductase <b>Chain:</b> F: <b>PDB Molecule:</b> oxidoreductase, short chain dehydrogenase/reductase family; <b>PDBTitle:</b> 2.05 angstrom resolution crystal structure of a short chain2 dehydrogenase from bacillus anthracis str. 'ames ancestor' in complex3 with nad+
57	<a href="#">c2cunA_</a>	Alignment	not modelled	16.7	14 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoglycerate kinase; <b>PDBTitle:</b> crystal structure of phosphoglycerate kinase from pyrococcus2 horikoshii ot3
58	<a href="#">d1f8fa1</a>	Alignment	not modelled	16.7	9 <b>Fold:</b> GroES-like <b>Superfamily:</b> GroES-like <b>Family:</b> Alcohol dehydrogenase-like, N-terminal domain
59	<a href="#">c3cxtA_</a>	Alignment	not modelled	16.5	23 <b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> dehydrogenase with different specificities; <b>PDBTitle:</b> quaternary complex structure of gluconate 5-dehydrogenase from2 streptococcus suis type 2
60	<a href="#">d2btma_</a>	Alignment	not modelled	16.0	26 <b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Triosephosphate isomerase (TIM) <b>Family:</b> Triosephosphate isomerase (TIM)
61	<a href="#">d1d3va_</a>	Alignment	not modelled	15.6	35 <b>Fold:</b> Arginase/deacetylase <b>Superfamily:</b> Arginase/deacetylase <b>Family:</b> Arginase-like amidino hydrolases
62	<a href="#">d1c55a_</a>	Alignment	not modelled	15.5	38 <b>Fold:</b> Knottins (small inhibitors, toxins, lectins) <b>Superfamily:</b> Scorpion toxin-like <b>Family:</b> Short-chain scorpion toxins
63	<a href="#">d1uadc_</a>	Alignment	not modelled	15.1	24 <b>Fold:</b> Immunoglobulin-like beta-sandwich <b>Superfamily:</b> E set domains <b>Family:</b> Other IPT/TIG domains
64	<a href="#">c2qk4A_</a>	Alignment	not modelled	14.9	38 <b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> trifunctional purine biosynthetic protein adenosine-3; <b>PDBTitle:</b> human glycylamide ribonucleotide synthetase
65	<a href="#">d1n55a_</a>	Alignment	not modelled	14.7	21 <b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Triosephosphate isomerase (TIM) <b>Family:</b> Triosephosphate isomerase (TIM)
66	<a href="#">d1vhwa_</a>	Alignment	not modelled	14.6	17 <b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> Purine and uridine phosphorylases <b>Family:</b> Purine and uridine phosphorylases
67	<a href="#">d1fe0a_</a>	Alignment	not modelled	14.6	17 <b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> HMA, heavy metal-associated domain <b>Family:</b> HMA, heavy metal-associated domain
68	<a href="#">d1neya_</a>	Alignment	not modelled	14.2	18 <b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Triosephosphate isomerase (TIM) <b>Family:</b> Triosephosphate isomerase (TIM)
69	<a href="#">d2z06a1</a>	Alignment	not modelled	14.2	29 <b>Fold:</b> Metallo-dependent phosphatases <b>Superfamily:</b> Metallo-dependent phosphatases <b>Family:</b> TTHA0625-like
70	<a href="#">d1jx4a1</a>	Alignment	not modelled	14.2	20 <b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
71	<a href="#">d2ceva_</a>	Alignment	not modelled	14.1	27 <b>Fold:</b> Arginase/deacetylase <b>Superfamily:</b> Arginase/deacetylase <b>Family:</b> Arginase-like amidino hydrolases
72	<a href="#">c3g68A_</a>	Alignment	not modelled	13.9	26 <b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> putative phosphosugar isomerase; <b>PDBTitle:</b> crystal structure of a putative phosphosugar isomerase (cd3275) from2 clostridium difficile 630 at 1.80 a resolution
73	<a href="#">d2bzga1</a>	Alignment	not modelled	13.9	21 <b>Fold:</b> S-adenosyl-L-methionine-dependent methyltransferases <b>Superfamily:</b> S-adenosyl-L-methionine-dependent methyltransferases <b>Family:</b> Thiopurine S-methyltransferase
74	<a href="#">c1ezaA_</a>	Alignment	not modelled	13.6	9 <b>PDB header:</b> phosphotransferase <b>Chain:</b> A: <b>PDB Molecule:</b> enzyme i; <b>PDBTitle:</b> amino terminal domain of enzyme i from escherichia coli nmr,2 restrained regularized mean structure
75	<a href="#">d1li4a2</a>	Alignment	not modelled	13.5	31 <b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Formate/glycerate dehydrogenase catalytic domain-like <b>Family:</b> S-adenosylhomocystein hydrolase
76	<a href="#">c1wydB_</a>	Alignment	not modelled	13.2	26 <b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> hypothetical aspartyl-trna synthetase; <b>PDBTitle:</b> crystal structure of aspartyl-trna synthetase from sulfobolus tokodaii
77	<a href="#">d1mvfd_</a>	Alignment	not modelled	12.9	19 <b>Fold:</b> Double-split beta-barrel <b>Superfamily:</b> AbrB/MazE/MraZ-like <b>Family:</b> Kis/PemI addition antidote
78	<a href="#">d2ac7a1</a>	Alignment	not modelled	12.7	15 <b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> Purine and uridine phosphorylases <b>Family:</b> Purine and uridine phosphorylases

79	<a href="#">c3rd5A_</a>	Alignment	not modelled	12.7	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> myppaa.01249.c; <b>PDBTitle:</b> crystal structure of a putative uncharacterized protein from2 mycobacterium paratuberculosis
80	<a href="#">d1xg5a_</a>	Alignment	not modelled	12.6	26	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Tyrosine-dependent oxidoreductases
81	<a href="#">c3kvoB_</a>	Alignment	not modelled	12.5	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> hydroxysteroid dehydrogenase-like protein 2; <b>PDBTitle:</b> crystal structure of the catalytic domain of human hydroxysteroid2 dehydrogenase like 2 (hsdl2)
82	<a href="#">c3bk7A_</a>	Alignment	not modelled	12.4	18	<b>PDB header:</b> hydrolase/translation <b>Chain:</b> A: <b>PDB Molecule:</b> abc transporter atp-binding protein; <b>PDBTitle:</b> structure of the complete abce1/rnaase-l inhibitor protein2 from pyrococcus abyssi
83	<a href="#">c3nn4C_</a>	Alignment	not modelled	12.3	27	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> chlorite dismutase; <b>PDBTitle:</b> structure of chlorite dismutase from candidatus nitrospira defluvi2 r173k mutant
84	<a href="#">d3c8ya1</a>	Alignment	not modelled	12.2	25	<b>Fold:</b> Fe-only hydrogenase <b>Superfamily:</b> Fe-only hydrogenase <b>Family:</b> Fe-only hydrogenase
85	<a href="#">c2d2aA_</a>	Alignment	not modelled	12.0	25	<b>PDB header:</b> metal transport <b>Chain:</b> A: <b>PDB Molecule:</b> sufa protein; <b>PDBTitle:</b> crystal structure of escherichia coli sufa involved in2 biosynthesis of iron-sulfur clusters
86	<a href="#">d1mo0a_</a>	Alignment	not modelled	12.0	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Triosephosphate isomerase (TIM) <b>Family:</b> Triosephosphate isomerase (TIM)
87	<a href="#">d1cb0a_</a>	Alignment	not modelled	11.8	38	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> Purine and uridine phosphorylases <b>Family:</b> Purine and uridine phosphorylases
88	<a href="#">d1o5xa_</a>	Alignment	not modelled	11.8	26	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Triosephosphate isomerase (TIM) <b>Family:</b> Triosephosphate isomerase (TIM)
89	<a href="#">c3fkjA_</a>	Alignment	not modelled	11.7	18	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> putative phosphosugar isomerases; <b>PDBTitle:</b> crystal structure of a putative phosphosugar isomerase (stm_0572) from2 salmonella typhimurium lt2 at 2.12 a resolution
90	<a href="#">d2bela_</a>	Alignment	not modelled	11.6	24	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Tyrosine-dependent oxidoreductases
91	<a href="#">c1wj9A_</a>	Alignment	not modelled	11.6	29	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> crispr-associated protein; <b>PDBTitle:</b> crystal structure of a crispr-associated protein from2 thermus thermophilus
92	<a href="#">c2vxhF_</a>	Alignment	not modelled	11.6	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> F: <b>PDB Molecule:</b> chlorite dismutase; <b>PDBTitle:</b> the crystal structure of chlorite dismutase: a detox enzyme2 producing molecular oxygen
93	<a href="#">d1assa_</a>	Alignment	not modelled	11.4	13	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> GroEL apical domain-like <b>Family:</b> Group II chaperonin (CCT, TRIC), apical domain
94	<a href="#">c3khsB_</a>	Alignment	not modelled	11.4	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> purine nucleoside phosphorylase; <b>PDBTitle:</b> crystal structure of grouper iridovirus purine nucleoside2 phosphorylase
95	<a href="#">c3fa4D_</a>	Alignment	not modelled	11.3	11	<b>PDB header:</b> lyase <b>Chain:</b> D: <b>PDB Molecule:</b> 2,3-dimethylmalate lyase; <b>PDBTitle:</b> crystal structure of 2,3-dimethylmalate lyase, a pep mutase/isocitrate2 lyase superfamily member, triclinic crystal form
96	<a href="#">d1dcfa_</a>	Alignment	not modelled	11.3	25	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> CheY-like <b>Family:</b> Receiver domain of the ethylene receptor
97	<a href="#">d1reoa1</a>	Alignment	not modelled	11.3	15	<b>Fold:</b> FAD/NAD(P)-binding domain <b>Superfamily:</b> FAD/NAD(P)-binding domain <b>Family:</b> FAD-linked reductases, N-terminal domain
98	<a href="#">d1cyga1</a>	Alignment	not modelled	11.2	24	<b>Fold:</b> Immunoglobulin-like beta-sandwich <b>Superfamily:</b> E set domains <b>Family:</b> E-set domains of sugar-utilizing enzymes
99	<a href="#">c3tl6B_</a>	Alignment	not modelled	11.1	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> purine nucleoside phosphorylase; <b>PDBTitle:</b> crystal structure of purine nucleoside phosphorylase from entamoeba2 histolytica