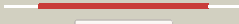



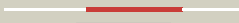




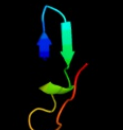









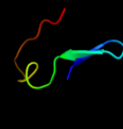
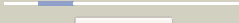

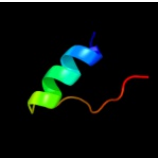
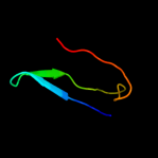




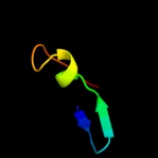
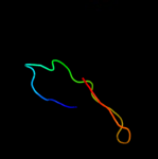



# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P23874
Date	Wed Jan 25 15:20:44 GMT 2012
Unique Job ID	be1356fc9c8052a5


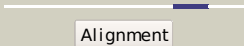

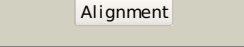
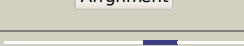
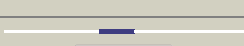



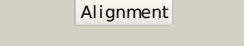

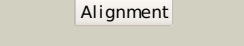
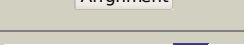

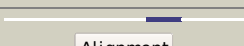
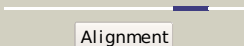
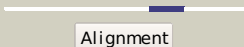


Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3dntB_</a>	 Alignment		100.0	98	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> protein hipa; <b>PDBTitle:</b> structures of mdt proteins
2	<a href="#">c3akjB_</a>	 Alignment		100.0	14	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> ctka; <b>PDBTitle:</b> crystal structure of a helicobacter pylori proinflammatory kinase ctkA
3	<a href="#">d1cjaa_</a>	 Alignment		95.1	14	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Actin-fragmin kinase, catalytic domain
4	<a href="#">c3attA_</a>	 Alignment		35.5	11	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of rv3168 with atp
5	<a href="#">d2je8a4</a>	 Alignment		33.7	14	<b>Fold:</b> Galactose-binding domain-like <b>Superfamily:</b> Galactose-binding domain-like <b>Family:</b> beta-Galactosidase/glucuronidase, N-terminal domain
6	<a href="#">d1bhga2</a>	 Alignment		31.4	19	<b>Fold:</b> Galactose-binding domain-like <b>Superfamily:</b> Galactose-binding domain-like <b>Family:</b> beta-Galactosidase/glucuronidase, N-terminal domain
7	<a href="#">d1jz8a3</a>	 Alignment		30.8	18	<b>Fold:</b> Galactose-binding domain-like <b>Superfamily:</b> Galactose-binding domain-like <b>Family:</b> beta-Galactosidase/glucuronidase, N-terminal domain
8	<a href="#">d1yq2a3</a>	 Alignment		29.2	18	<b>Fold:</b> Galactose-binding domain-like <b>Superfamily:</b> Galactose-binding domain-like <b>Family:</b> beta-Galactosidase/glucuronidase, N-terminal domain
9	<a href="#">c3fn9B_</a>	 Alignment		26.1	23	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> putative beta-galactosidase; <b>PDBTitle:</b> crystal structure of putative beta-galactosidase from bacteroides2 fragilis
10	<a href="#">d2vzsa4</a>	 Alignment		25.0	12	<b>Fold:</b> Galactose-binding domain-like <b>Superfamily:</b> Galactose-binding domain-like <b>Family:</b> beta-Galactosidase/glucuronidase, N-terminal domain
11	<a href="#">c3bgaB_</a>	 Alignment		23.1	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> crystal structure of beta-galactosidase from bacteroides2 thetaiotaomicron vpi-5482

12	<a href="#">d1eucb2</a>	Alignment		23.1	23	<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
13	<a href="#">c3gm8A_</a>	Alignment		23.0	31	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> glycoside hydrolase family 2, candidate beta-glycosidase; <b>PDBTitle:</b> crystal structure of a beta-glycosidase from bacteroides vulgatus
14	<a href="#">c3cmgA_</a>	Alignment		22.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative beta-galactosidase; <b>PDBTitle:</b> crystal structure of putative beta-galactosidase from bacteroides2 fragilis
15	<a href="#">d1iowa2</a>	Alignment		22.0	24	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> ATP-binding domain of peptide synthetases
16	<a href="#">d1uc8a2</a>	Alignment		20.1	15	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> Lysine biosynthesis enzyme LysX ATP-binding domain
17	<a href="#">d2nu7b2</a>	Alignment		19.2	27	<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
18	<a href="#">c3obaA_</a>	Alignment		19.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> structure of the beta-galactosidase from kluyveromyces lactis
19	<a href="#">c3lpgA_</a>	Alignment		18.8	36	<b>PDB header:</b> hydrolase/hydrolase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> beta-glucuronidase; <b>PDBTitle:</b> structure of e. coli beta-glucuronidase bound with a novel, potent inhibitor 3-(2-fluorophenyl)-1-(2-hydroxyethyl)-1-((6-methyl-2-oxo-1,3,2-dihydroquinolin-3-yl)methyl)urea
20	<a href="#">c2vzvB_</a>	Alignment		18.8	12	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> exo-beta-d-glucosaminidase; <b>PDBTitle:</b> substrate complex of amycolatopsis orientalis exo-2 chitosanase csxa e541a with chitosan
21	<a href="#">c3ln7A_</a>	Alignment	not modelled	18.2	19	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutathione biosynthesis bifunctional protein gshab; <b>PDBTitle:</b> crystal structure of a bifunctional glutathione synthetase from2 pasteurilla multocida
22	<a href="#">c1jz6C_</a>	Alignment	not modelled	17.6	18	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> e. coli (lacZ) beta-galactosidase in complex with galacto-2 tetrazole
23	<a href="#">d1e4ea2</a>	Alignment	not modelled	16.9	25	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> ATP-binding domain of peptide synthetases
24	<a href="#">c3mv14_</a>	Alignment	not modelled	16.1	18	<b>PDB header:</b> hydrolase <b>Chain:</b> 4: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> e.coli (lacZ) beta-galactosidase (r599a) in complex with guanidinium
25	<a href="#">c3oq9C_</a>	Alignment	not modelled	15.2	17	<b>PDB header:</b> apoptosis <b>Chain:</b> C: <b>PDB Molecule:</b> tumor necrosis factor receptor superfamily member 6; <b>PDBTitle:</b> structure of the fas/fadd death domain assembly
26	<a href="#">c1yq2C_</a>	Alignment	not modelled	14.6	18	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> beta-galactosidase from arthrobacter sp. c2-2 (isoenzyme c2-2 2-1)
27	<a href="#">d1ddfa_</a>	Alignment	not modelled	14.5	12	<b>Fold:</b> DEATH domain <b>Superfamily:</b> DEATH domain <b>Family:</b> DEATH domain, DD
28	<a href="#">c3cqbB_</a>	Alignment	not modelled	14.1	13	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> probable protease htpx homolog; <b>PDBTitle:</b> crystal structure of heat shock protein htpx domain from vibrio2 parahaemolyticus rimd 2210633

29	<a href="#">c3ln6A_</a>	Alignment	not modelled	13.6	10	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> glutathione biosynthesis bifunctional protein gshab; <b>PDBTitle:</b> crystal structure of a bifunctional glutathione synthetase from2 streptococcus agalactiae
30	<a href="#">d1kjq3</a>	Alignment	not modelled	13.4	27	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> BC ATP-binding domain-like
31	<a href="#">c1bhgB_</a>	Alignment	not modelled	12.3	23	<b>PDB header:</b> glycosidase <b>Chain:</b> B: <b>PDB Molecule:</b> beta-glucuronidase; <b>PDBTitle:</b> human beta-glucuronidase at 2.6 a resolution
32	<a href="#">c3tqtB_</a>	Alignment	not modelled	11.8	15	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> d-alanine--d-alanine ligase; <b>PDBTitle:</b> structure of the d-alanine-d-alanine ligase from coxiella burnetii
33	<a href="#">c2ddcA_</a>	Alignment	not modelled	11.8	14	<b>PDB header:</b> luminescent protein <b>Chain:</b> A: <b>PDB Molecule:</b> photoconvertible fluorescent protein; <b>PDBTitle:</b> unique behavior of a histidine responsible for an2 engineered green-to-red photoconversion process
34	<a href="#">d1ehia2</a>	Alignment	not modelled	11.6	10	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> ATP-binding domain of peptide synthetases
35	<a href="#">d3etja3</a>	Alignment	not modelled	11.6	14	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> BC ATP-binding domain-like
36	<a href="#">c1ehiB_</a>	Alignment	not modelled	11.4	12	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> d-alanine:d-lactate ligase; <b>PDBTitle:</b> d-alanine:d-lactate ligase (lmdl2) of vancomycin-resistant2 leuconostoc mesenteroides
37	<a href="#">c1wr2A_</a>	Alignment	not modelled	10.9	33	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein ph1789; <b>PDBTitle:</b> crystal structure of ph1788 from pyrococcus horikoshii ot3
38	<a href="#">c2otbB_</a>	Alignment	not modelled	10.9	16	<b>PDB header:</b> fluorescent protein <b>Chain:</b> B: <b>PDB Molecule:</b> gfp-like fluorescent chromoprotein cfp484; <b>PDBTitle:</b> crystal structure of a monomeric cyan fluorescent protein2 in the fluorescent state
39	<a href="#">d1tg7a2</a>	Alignment	not modelled	10.5	27	<b>Fold:</b> Galactose-binding domain-like <b>Superfamily:</b> Galactose-binding domain-like <b>Family:</b> Beta-galactosidase LacA, domains 4 and 5
40	<a href="#">d1moua_</a>	Alignment	not modelled	10.4	14	<b>Fold:</b> GFP-like <b>Superfamily:</b> GFP-like <b>Family:</b> Fluorescent proteins
41	<a href="#">c3da4B_</a>	Alignment	not modelled	10.2	39	<b>PDB header:</b> antibiotic <b>Chain:</b> B: <b>PDB Molecule:</b> colicin-m; <b>PDBTitle:</b> crystal structure of colicin m, a novel phosphatase2 specifically imported by escherichia coli
42	<a href="#">d1ggxa_</a>	Alignment	not modelled	10.2	12	<b>Fold:</b> GFP-like <b>Superfamily:</b> GFP-like <b>Family:</b> Fluorescent proteins
43	<a href="#">d1icha_</a>	Alignment	not modelled	10.1	8	<b>Fold:</b> DEATH domain <b>Superfamily:</b> DEATH domain <b>Family:</b> DEATH domain, DD
44	<a href="#">c1ichA_</a>	Alignment	not modelled	10.1	8	<b>PDB header:</b> apoptosis <b>Chain:</b> A: <b>PDB Molecule:</b> tumor necrosis factor receptor-1; <b>PDBTitle:</b> solution structure of the tumor necrosis factor receptor-12 death domain
45	<a href="#">c2rcyB_</a>	Alignment	not modelled	10.1	13	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> pyrroline carboxylate reductase; <b>PDBTitle:</b> crystal structure of plasmodium falciparum pyrroline carboxylate2 reductase (mal13p1.284) with nadp bound
46	<a href="#">c3cglE_</a>	Alignment	not modelled	9.7	13	<b>PDB header:</b> fluorescent protein <b>Chain:</b> E: <b>PDB Molecule:</b> gfp-like fluorescent chromoprotein dsfp483; <b>PDBTitle:</b> crystal structure and raman studies of dsfp483, a cyan fluorescent2 protein from discosoma striata
47	<a href="#">d2cg4a1</a>	Alignment	not modelled	9.7	12	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Lrp/AsnC-like transcriptional regulator N-terminal domain
48	<a href="#">c3i12A_</a>	Alignment	not modelled	9.7	15	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> d-alanine-d-alanine ligase a; <b>PDBTitle:</b> the crystal structure of the d-alanyl-alanine synthetase a from2 salmonella enterica subsp. enterica serovar typhimurium str. lt2
49	<a href="#">c3riwA_</a>	Alignment	not modelled	9.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> ascorbate peroxidase; <b>PDBTitle:</b> the crystal structure of leishmania major peroxidase mutant c197t
50	<a href="#">c2z04A_</a>	Alignment	not modelled	8.8	21	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoribosylaminoimidazole carboxylase atpase <b>PDBTitle:</b> crystal structure of phosphoribosylaminoimidazole2 carboxylase atpase subunit from aquifex aeolicus
51	<a href="#">c2z6zA_</a>	Alignment	not modelled	8.8	15	<b>PDB header:</b> fluorescent protein <b>Chain:</b> A: <b>PDB Molecule:</b> fluorescent protein dronpa; <b>PDBTitle:</b> crystal structure of a photoswitchable gfp-like protein2 dronpa in the bright-state
52	<a href="#">c3ls1A_</a>	Alignment	not modelled	8.5	15	<b>PDB header:</b> photosynthesis <b>Chain:</b> A: <b>PDB Molecule:</b> sll1638 protein; <b>PDBTitle:</b> crystal structure of cyanobacterial psbq from synechocystis2 sp. pcc 6803 complexed with zn2+
53	<a href="#">c2je8B_</a>	Alignment	not modelled	8.5	9	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> beta-mannosidase; <b>PDBTitle:</b> structure of a beta-mannosidase from bacteroides2 thetaiotaomicron <b>PDB header:</b> ligase

54	<a href="#">c3r23B_</a>	Alignment	not modelled	8.3	11	<b>Chain:</b> B: <b>PDB Molecule:</b> d-alanine--d-alanine ligase; <b>PDBTitle:</b> crystal structure of d-alanine--d-alanine ligase from bacillus2 anthracis
55	<a href="#">d1uisa_</a>	Alignment	not modelled	8.2	14	<b>Fold:</b> GFP-like <b>Superfamily:</b> GFP-like <b>Family:</b> Fluorescent proteins
56	<a href="#">c2nu9E_</a>	Alignment	not modelled	8.1	29	<b>PDB header:</b> ligase <b>Chain:</b> E: <b>PDB Molecule:</b> succinyl-coa synthetase beta chain; <b>PDBTitle:</b> c123at mutant of e. coli succinyl-coa synthetase2 orthorhombic crystal form
57	<a href="#">c3se7A_</a>	Alignment	not modelled	8.0	15	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> vana; <b>PDBTitle:</b> ancient vana
58	<a href="#">c3lwbA_</a>	Alignment	not modelled	7.9	16	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> d-alanine--d-alanine ligase; <b>PDBTitle:</b> crystal structure of apo d-alanine:d-alanine ligase (ddl) from2 mycobacterium tuberculosis
59	<a href="#">d1zyla1</a>	Alignment	not modelled	7.8	9	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> APH phosphotransferases
60	<a href="#">d1h5wa_</a>	Alignment	not modelled	7.7	13	<b>Fold:</b> Upper collar protein gp10 (connector protein) <b>Superfamily:</b> Upper collar protein gp10 (connector protein) <b>Family:</b> Upper collar protein gp10 (connector protein)
61	<a href="#">d3buxb2</a>	Alignment	not modelled	7.7	30	<b>Fold:</b> N-cbl like <b>Superfamily:</b> N-terminal domain of cbl (N-cbl) <b>Family:</b> N-terminal domain of cbl (N-cbl)
62	<a href="#">c1ijgE_</a>	Alignment	not modelled	7.6	13	<b>PDB header:</b> viral protein <b>Chain:</b> E: <b>PDB Molecule:</b> upper collar protein; <b>PDBTitle:</b> structure of the bacteriophage phi29 head-tail connector2 protein
63	<a href="#">d2cyya1</a>	Alignment	not modelled	7.5	16	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Lrp/AsnC-like transcriptional regulator N-terminal domain
64	<a href="#">d1z67a1</a>	Alignment	not modelled	7.5	9	<b>Fold:</b> YidB-like <b>Superfamily:</b> YidB-like <b>Family:</b> YidB-like
65	<a href="#">c2icrD_</a>	Alignment	not modelled	7.4	17	<b>PDB header:</b> fluorescent protein <b>Chain:</b> D: <b>PDB Molecule:</b> red fluorescent protein zoanrfp; <b>PDBTitle:</b> red fluorescent protein zrfp574 from zoanthus sp.
66	<a href="#">d1i1ga1</a>	Alignment	not modelled	7.3	20	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> "Winged helix" DNA-binding domain <b>Family:</b> Lrp/AsnC-like transcriptional regulator N-terminal domain
67	<a href="#">c2pvpB_</a>	Alignment	not modelled	7.3	26	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> d-alanine-d-alanine ligase; <b>PDBTitle:</b> crystal structure of d-alanine-d-alanine ligase from helicobacter2 pylori
68	<a href="#">c2i80B_</a>	Alignment	not modelled	7.2	12	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> d-alanine-d-alanine ligase; <b>PDBTitle:</b> allosteric inhibition of staphylococcus aureus d-alanine:d-alanine2 ligase revealed by crystallographic studies
69	<a href="#">c2c9iG_</a>	Alignment	not modelled	7.0	18	<b>PDB header:</b> luminescent protein <b>Chain:</b> G: <b>PDB Molecule:</b> green fluorescent protein asfp499; <b>PDBTitle:</b> structure of the fluorescent protein asfp499 from anemonia2 sulcata
70	<a href="#">c1e4eB_</a>	Alignment	not modelled	6.9	20	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> vancomycin/teicoplanin a-type resistance protein vana; <b>PDBTitle:</b> d-alanyl-d-lacate ligase
71	<a href="#">c3nezB_</a>	Alignment	not modelled	6.9	12	<b>PDB header:</b> fluorescent protein <b>Chain:</b> B: <b>PDB Molecule:</b> mrojao; <b>PDBTitle:</b> mrojao
72	<a href="#">d1re0b_</a>	Alignment	not modelled	6.6	19	<b>Fold:</b> alpha-alpha superhelix <b>Superfamily:</b> Sec7 domain <b>Family:</b> Sec7 domain
73	<a href="#">d1e0ea_</a>	Alignment	not modelled	6.3	9	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> N-terminal Zn binding domain of HIV integrase <b>Family:</b> N-terminal Zn binding domain of HIV integrase
74	<a href="#">d2rh7a1</a>	Alignment	not modelled	6.3	8	<b>Fold:</b> GFP-like <b>Superfamily:</b> GFP-like <b>Family:</b> Fluorescent proteins
75	<a href="#">c1rr7A_</a>	Alignment	not modelled	6.2	6	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> middle operon regulator; <b>PDBTitle:</b> crystal structure of the middle operon regulator protein of2 bacteriophage mu
76	<a href="#">d1rr7a_</a>	Alignment	not modelled	6.2	6	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> Middle operon regulator, Mor
77	<a href="#">c2w48D_</a>	Alignment	not modelled	6.2	18	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> sorbitol operon regulator; <b>PDBTitle:</b> crystal structure of the full-length sorbitol operon2 regulator sorc from klebsiella pneumoniae
78	<a href="#">d1bc9a_</a>	Alignment	not modelled	6.2	25	<b>Fold:</b> alpha-alpha superhelix <b>Superfamily:</b> Sec7 domain <b>Family:</b> Sec7 domain
79	<a href="#">c1eucB_</a>	Alignment	not modelled	6.1	24	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> succinyl-coa synthetase, beta chain; <b>PDBTitle:</b> crystal structure of dephosphorylated pig heart, gtp-2 specific succinyl-coa synthetase
80	<a href="#">d2ahra1</a>	Alignment	not modelled	6.1	15	<b>Fold:</b> 6-phosphogluconate dehydrogenase C-terminal domain-like <b>Superfamily:</b> 6-phosphogluconate dehydrogenase C-terminal domain-like <b>Family:</b> ProC C-terminal domain-like

81	<a href="#">c2zo7A</a>	 Alignment	not modelled	6.1	18	<b>PDB header:</b> luminescent protein <b>Chain:</b> A: <b>PDB Molecule:</b> cyan/green-emitting gfp-like protein, kusabira-cyan mutant <b>PDBTitle:</b> crystal structure of a kusabira-cyan mutant (kcy-r1), a cyan/green-2 emitting gfp-like protein
82	<a href="#">c2l4aA</a>	 Alignment	not modelled	6.1	13	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> leucine responsive regulatory protein; <b>PDBTitle:</b> nmr structure of the dna-binding domain of e.coli lrp
83	<a href="#">c3op0B</a>	 Alignment	not modelled	6.0	14	<b>PDB header:</b> signaling protein/signaling protein regu <b>Chain:</b> B: <b>PDB Molecule:</b> signal transduction protein cbl-c; <b>PDBTitle:</b> crystal structure of cbl-c (cbl-3) tkb domain in complex with egfr2 py1069 peptide
84	<a href="#">c2a8vA</a>	 Alignment	not modelled	6.0	24	<b>PDB header:</b> protein/rna <b>Chain:</b> A: <b>PDB Molecule:</b> rna binding domain of rho transcription <b>PDBTitle:</b> rho transcription termination factor/rna complex
85	<a href="#">d2j9ga3</a>	 Alignment	not modelled	5.9	12	<b>Fold:</b> ATP-grasp <b>Superfamily:</b> Glutathione synthetase ATP-binding domain-like <b>Family:</b> BC ATP-binding domain-like
86	<a href="#">d1uptd</a>	 Alignment	not modelled	5.9	14	<b>Fold:</b> GRIP domain <b>Superfamily:</b> GRIP domain <b>Family:</b> GRIP domain
87	<a href="#">c2zdaA</a>	 Alignment	not modelled	5.8	11	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> d-alanine--d-alanine ligase; <b>PDBTitle:</b> crystal structure of d-alanine:d-alanine ligase with atp2 and d-alanine:d-alanine from thermus thermophilus hb8
88	<a href="#">c2dlnA</a>	 Alignment	not modelled	5.8	19	<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
89	<a href="#">d1xsza1</a>	 Alignment	not modelled	5.8	31	<b>Fold:</b> alpha-alpha superhelix <b>Superfamily:</b> Sec7 domain <b>Family:</b> Sec7 domain
90	<a href="#">d1ojra</a>	 Alignment	not modelled	5.7	18	<b>Fold:</b> AraD/HMP-PK domain-like <b>Superfamily:</b> AraD/HMP-PK domain-like <b>Family:</b> AraD-like aldolase/epimerase
91	<a href="#">c2ib5H</a>	 Alignment	not modelled	5.7	10	<b>PDB header:</b> luminescent protein <b>Chain:</b> H: <b>PDB Molecule:</b> chromo protein; <b>PDBTitle:</b> structural characterization of a blue chromoprotein and its yellow2 mutant from the sea anemone cnidopus japonicus
92	<a href="#">c3jr1A</a>	 Alignment	not modelled	5.6	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative fructosamine-3-kinase; <b>PDBTitle:</b> crystal structure of putative fructosamine-3-kinase2 (yp_719053.1) from haemophilus somnus 129pt at 2.32 a3 resolution
93	<a href="#">d1p1ma1</a>	 Alignment	not modelled	5.6	10	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> SAH/MTA deaminase-like
94	<a href="#">c2jpmA</a>	 Alignment	not modelled	5.6	33	<b>PDB header:</b> antimicrobial protein <b>Chain:</b> A: <b>PDB Molecule:</b> bacteriocin lactococcin-g subunit beta; <b>PDBTitle:</b> lactococcin g-b in tfe
95	<a href="#">c2vbzA</a>	 Alignment	not modelled	5.6	4	<b>PDB header:</b> dna-binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> transcriptional regulatory protein; <b>PDBTitle:</b> feast or famine regulatory protein (rv3291c)from m.2 tuberculosis complexed with l-tryptophan
96	<a href="#">d1dwka1</a>	 Alignment	not modelled	5.6	19	<b>Fold:</b> lambda repressor-like DNA-binding domains <b>Superfamily:</b> lambda repressor-like DNA-binding domains <b>Family:</b> Cyanase N-terminal domain
97	<a href="#">d1kula</a>	 Alignment	not modelled	5.6	19	<b>Fold:</b> alpha-alpha superhelix <b>Superfamily:</b> Sec7 domain <b>Family:</b> Sec7 domain
98	<a href="#">c2iifA</a>	 Alignment	not modelled	5.5	17	<b>PDB header:</b> recombination/dna <b>Chain:</b> A: <b>PDB Molecule:</b> integration host factor; <b>PDBTitle:</b> single chain integration host factor mutant protein (scihf2-2 k45ae) in complex with dna
99	<a href="#">c3ls8A</a>	 Alignment	not modelled	5.5	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphatidylinositol 3-kinase catalytic subunit <b>PDBTitle:</b> crystal structure of human pik3c3 in complex with 3-[4-(4-2 morpholinyl)thieno[3,2-d]pyrimidin-2-yl]-phenol