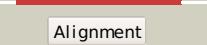
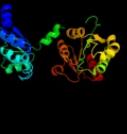
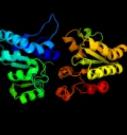
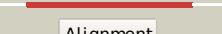
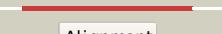
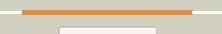
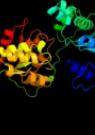
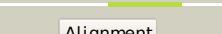
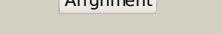


# Phyre<sup>2</sup>

Email	i.a.kelley@imperial.ac.uk
Description	P56258
Date	Thu Jan 5 12:06:20 GMT 2012
Unique Job ID	ef2b6a238f904e01

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c2gejA_</a>			98.2	12	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> phosphatidylinositol mannosyltransferase (pima); <b>PDBTitle:</b> crystal structure of phosphatidylinositol mannosyltransferase (pima)2 from mycobacterium smegmatis in complex with gdp-man
2	<a href="#">c3ot5D_</a>			97.5	12	<b>PDB header:</b> isomerase <b>Chain:</b> D; <b>PDB Molecule:</b> udp-n-acetylglucosamine 2-epimerase; <b>PDBTitle:</b> 2.2 angstrom resolution crystal structure of putative udp-n-2 acetylglucosamine 2-epimerase from listeria monocytogenes
3	<a href="#">c2x0dA_</a>			96.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> wsaf; <b>PDBTitle:</b> apo structure of wsaf
4	<a href="#">d1v4va_</a>			96.8	14	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDP-N-acetylglucosamine 2-epimerase
5	<a href="#">c2xmpB_</a>			96.5	14	<b>PDB header:</b> sugar binding protein <b>Chain:</b> B; <b>PDB Molecule:</b> trehalose-synthase tret; <b>PDBTitle:</b> crystal structure of trehalose synthase tret mutant e326a2 from p.horishiki in complex with udp
6	<a href="#">c2vsnB_</a>			96.5	12	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> xcogt; <b>PDBTitle:</b> structure and topological arrangement of an o-glcnac2 transferase homolog: insight into molecular control of3 intracellular glycosylation
7	<a href="#">c3c4vB_</a>			96.0	8	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> predicted glycosyltransferases; <b>PDBTitle:</b> structure of the retaining glycosyltransferase msha:the2 first step in mycothiol biosynthesis. organism:3 corynebacterium glutamicum : complex with udp and 1l-ins-1-4 p.
8	<a href="#">c3oy2A_</a>			96.0	10	<b>PDB header:</b> viral protein,transferase <b>Chain:</b> A; <b>PDB Molecule:</b> glycosyltransferase b736l; <b>PDBTitle:</b> crystal structure of a putative glycosyltransferase from paramecium2 bursaria chlorella virus ny2a
9	<a href="#">c2jjmH_</a>			95.9	13	<b>PDB header:</b> transferase <b>Chain:</b> H; <b>PDB Molecule:</b> glycosyl transferase, group 1 family protein; <b>PDBTitle:</b> crystal structure of a family gt4 glycosyltransferase from2 bacillus anthracis orf ba1558.
10	<a href="#">d1f6da_</a>			95.7	13	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDP-N-acetylglucosamine 2-epimerase
11	<a href="#">c2x6rA_</a>			95.6	12	<b>PDB header:</b> isomerase <b>Chain:</b> A; <b>PDB Molecule:</b> trehalose-synthase tret; <b>PDBTitle:</b> crystal structure of trehalose synthase tret from p.2 horikoshi produced by soaking in trehalose

12	<a href="#">d1o6ca</a>			95.4	14	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDP-N-acetylglucosamine 2-epimerase
13	<a href="#">c1uquB</a>			95.2	14	<b>PDB header:</b> synthase <b>Chain:</b> B; <b>PDB Molecule:</b> alpha, alpha-trehalose-phosphate synthase; <b>PDBTitle:</b> trehalose-6-phosphate from e. coli bound with udp-glucose.
14	<a href="#">c3pe3D</a>			95.2	13	<b>PDB header:</b> transferase <b>Chain:</b> D; <b>PDB Molecule:</b> udp-n-acetylglucosamine--peptide n- <b>PDBTitle:</b> structure of human o-glcnaC transferase and its complex with a peptide2 substrate
15	<a href="#">c2r60A</a>			94.7	14	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> glycosyl transferase, group 1; <b>PDBTitle:</b> structure of apo sucrose phosphate synthase (sps) of halothermothrix orenii
16	<a href="#">c3okaA</a>			92.5	12	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> gdp-mannose-dependent alpha-(1-6)-phosphatidylinositol <b>PDBTitle:</b> crystal structure of corynebacterium glutamicum pimb' in complex with2 gdp-man (triclinic crystal form)
17	<a href="#">c3dzcA</a>			91.9	13	<b>PDB header:</b> isomerase <b>Chain:</b> A; <b>PDB Molecule:</b> udp-n-acetylglucosamine 2-epimerase; <b>PDBTitle:</b> 2.35 angstrom resolution structure of wecb (vc0917), a udp-n-2 acetylglucosamine 2-epimerase from vibrio cholerae.
18	<a href="#">c2xcuC</a>			87.5	12	<b>PDB header:</b> transferase <b>Chain:</b> C; <b>PDB Molecule:</b> 3-deoxy-d-manno-2-octulosonic acid transferase; <b>PDBTitle:</b> membrane-embedded monofunctional glycosyltransferase waaa of aquifex2 aeolicus, complex with cmp
19	<a href="#">d2iw1a1</a>			85.7	11	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
20	<a href="#">d2f9fa1</a>			83.7	14	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
21	<a href="#">d2bfwa1</a>		not modelled	76.2	10	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
22	<a href="#">d1duvg2</a>		not modelled	69.1	20	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
23	<a href="#">d1uqta</a>		not modelled	66.3	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Trehalose-6-phosphate synthase, OtsA
24	<a href="#">d2bis1</a>		not modelled	64.8	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
25	<a href="#">d1pswa</a>		not modelled	60.5	13	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> ADP-heptose LPS heptosyltransferase II
26	<a href="#">c3oneA</a>		not modelled	55.1	9	<b>PDB header:</b> hydrolase/hydrolase substrate <b>Chain:</b> A; <b>PDB Molecule:</b> adenosylhomocysteinase; <b>PDBTitle:</b> crystal structure of lupinus luteus s-adenosyl-l-homocysteine2 hydrolase in complex with adenine
27	<a href="#">c2w37A</a>		not modelled	53.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> ornithine carbamoyltransferase, catabolic; <b>PDBTitle:</b> crystal structure of the hexameric catabolic ornithine2 transcarbamylase from lactobacillus hilgardi
28	<a href="#">c1v8bA</a>		not modelled	49.2	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> adenosylhomocysteinase; <b>PDBTitle:</b> crystal structure of a hydrolase
						<b>PDB header:</b> transferase

29	<a href="#">c3tovB_</a>	Alignment	not modelled	48.5	17	<b>Chain:</b> B; <b>PDB Molecule:</b> glycosyl transferase family 9; <b>PDBTitle:</b> the crystal structure of the glycosyl transferase family 9 from2 veillonella parvula dsm 2008
30	<a href="#">d1qs0b1</a>	Alignment	not modelled	43.7	16	<b>Fold:</b> Thiamin diphosphate-binding fold (THDP-binding) <b>Superfamily:</b> Thiamin diphosphate-binding fold (THDP-binding) <b>Family:</b> Branched-chain alpha-keto acid dehydrogenase Pyr module
31	<a href="#">d1dxha2</a>	Alignment	not modelled	38.8	14	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
32	<a href="#">d1vlva2</a>	Alignment	not modelled	38.0	16	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
33	<a href="#">c3dhyC_</a>	Alignment	not modelled	36.4	18	<b>PDB header:</b> hydrolase <b>Chain:</b> C; <b>PDB Molecule:</b> adenosylhomocysteinase; <b>PDBTitle:</b> crystal structures of mycobacterium tuberculosis s-adenosyl-l-2 homocysteine hydrolase in ternary complex with substrate and3 inhibitors
34	<a href="#">c2h1fB_</a>	Alignment	not modelled	33.1	12	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> lipopolysaccharide heptosyltransferase-1; <b>PDBTitle:</b> e. coli heptosyltransferase waac with adp
35	<a href="#">d1li4a2</a>	Alignment	not modelled	32.9	13	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Formate/glycerate dehydrogenase catalytic domain-like <b>Family:</b> S-adenosylhomocysteine hydrolase
36	<a href="#">d1pvva2</a>	Alignment	not modelled	27.9	24	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
37	<a href="#">c1d4fD_</a>	Alignment	not modelled	27.5	14	<b>PDB header:</b> hydrolase <b>Chain:</b> D; <b>PDB Molecule:</b> s-adenosylhomocysteine hydrolase; <b>PDBTitle:</b> crystal structure of recombinant rat liver d244e mutant s-2 adenosylhomocysteine hydrolase
38	<a href="#">c3r1fO_</a>	Alignment	not modelled	27.5	26	<b>PDB header:</b> transcription <b>Chain:</b> O; <b>PDB Molecule:</b> esx-1 secretion-associated regulator espr; <b>PDBTitle:</b> crystal structure of a key regulator of virulence in mycobacterium2 tuberculosis
39	<a href="#">c1ortD_</a>	Alignment	not modelled	27.3	14	<b>PDB header:</b> transferase <b>Chain:</b> D; <b>PDB Molecule:</b> ornithine transcarbamoylase; <b>PDBTitle:</b> ornithine transcarbamoylase from pseudomonas aeruginosa
40	<a href="#">c3updA_</a>	Alignment	not modelled	26.6	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> ornithine carbamoyltransferase; <b>PDBTitle:</b> 2.9 angstrom crystal structure of ornithine carbamoyltransferase2 (argf) from vibrio vulnificus
41	<a href="#">d1iyjb5</a>	Alignment	not modelled	22.6	21	<b>Fold:</b> OB-fold <b>Superfamily:</b> Nucleic acid-binding proteins <b>Family:</b> Single strand DNA-binding domain, SSB
42	<a href="#">d1xmba1</a>	Alignment	not modelled	22.3	8	<b>Fold:</b> Phosphorylase/hydrolase-like <b>Superfamily:</b> Zn-dependent exopeptidases <b>Family:</b> Bacterial dinuclear zinc exopeptidases
43	<a href="#">c2otcA_</a>	Alignment	not modelled	22.1	17	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> ornithine carbamoyltransferase; <b>PDBTitle:</b> ornithine transcarbamoylase complexed with n-2 (phosphonacetyl)-l-ornithine
44	<a href="#">d2bfdb1</a>	Alignment	not modelled	21.9	14	<b>Fold:</b> Thiamin diphosphate-binding fold (THDP-binding) <b>Superfamily:</b> Thiamin diphosphate-binding fold (THDP-binding) <b>Family:</b> Branched-chain alpha-keto acid dehydrogenase Pyr module
45	<a href="#">c1olsB_</a>	Alignment	not modelled	20.7	16	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B; <b>PDB Molecule:</b> 2-oxoisovalerate dehydrogenase beta subunit; <b>PDBTitle:</b> roles of his291-alpha and his146-beta' in the reductive2 acylation reaction catalyzed by human branched-chain3 alpha-ketoacid dehydrogenase
46	<a href="#">c3en0A_</a>	Alignment	not modelled	18.9	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> cyanophycinase; <b>PDBTitle:</b> the structure of cyanophycinase
47	<a href="#">c3rhzB_</a>	Alignment	not modelled	17.8	10	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> nucleotide sugar synthetase-like protein; <b>PDBTitle:</b> structure and functional analysis of a new subfamily of2 glycosyltransferases required for glycosylation of serine-rich3 streptococcal adhesions
48	<a href="#">c3cseA_</a>	Alignment	not modelled	15.6	14	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> dihydrofolate reductase; <b>PDBTitle:</b> candida glabrata dihydrofolate reductase complexed with2 nadph and 2,4-diamino-5-(3-(2,5-dimethoxyphenyl)prop-1-3 ynyl)-6-ethylpyrimidine (ucp120b)
49	<a href="#">c1vlvA_</a>	Alignment	not modelled	15.3	13	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> ornithine carbamoyltransferase; <b>PDBTitle:</b> crystal structure of ornithine carbamoyltransferase (tm1097) from2 thermotoga maritima at 2.25 a resolution
50	<a href="#">c2kzkA_</a>	Alignment	not modelled	15.2	37	<b>PDB header:</b> protein transport <b>Chain:</b> A; <b>PDB Molecule:</b> uncharacterized protein y0l083w; <b>PDBTitle:</b> solution structure of alpha-mannosidase binding domain of atg34
51	<a href="#">c1jb9A_</a>	Alignment	not modelled	15.1	9	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> ferredoxin-nadp reductase; <b>PDBTitle:</b> crystal structure of the ferredoxin:nadp+ reductase from maize root at2 1.7 angstroms
52	<a href="#">c3q3hA_</a>	Alignment	not modelled	14.7	13	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> hmw1c-like glycosyltransferase; <b>PDBTitle:</b> crystal structure of the actinobacillus pleuropneumoniae hmw1c2 glycosyltransferase in complex with udp-glc
53	<a href="#">d1x6va1</a>	Alignment	not modelled	14.5	20	<b>Fold:</b> PUA domain-like <b>Superfamily:</b> PUA domain-like <b>Family:</b> ATP sulfurylase N-terminal domain

54	<a href="#">d1otha2</a>	Alignment	not modelled	14.3	20	<b>Fold:</b> ATC-like <b>Superfamily:</b> Aspartate/ornithine carbamoyltransferase <b>Family:</b> Aspartate/ornithine carbamoyltransferase
55	<a href="#">c2qzsA</a>	Alignment	not modelled	14.2	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> glycogen synthase; <b>PDBTitle:</b> crystal structure of wild-type e.coli gs in complex with adp2 and glucose(wtgsb)
56	<a href="#">d1rzua</a>	Alignment	not modelled	14.1	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
57	<a href="#">c2kzbA</a>	Alignment	not modelled	14.0	18	<b>PDB header:</b> protein transport <b>Chain:</b> A: <b>PDB Molecule:</b> autophagy-related protein 19; <b>PDBTitle:</b> solution structure of alpha-mannosidase binding domain of atg19
58	<a href="#">d2nx2a1</a>	Alignment	not modelled	13.4	14	<b>Fold:</b> MCP/YpsA-like <b>Superfamily:</b> MCP/YpsA-like <b>Family:</b> YpsA-like
59	<a href="#">c2jzca</a>	Alignment	not modelled	13.2	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> udp-n-acetylglucosamine transferase subunit <b>PDBTitle:</b> nmr solution structure of alg13: the sugar donor subunit of2 a yeast n-acetylglucosamine transferase. northeast3 structural genomics consortium target yg1
60	<a href="#">c3jrnA</a>	Alignment	not modelled	13.0	16	<b>PDB header:</b> plant protein <b>Chain:</b> A: <b>PDB Molecule:</b> atlg72930 protein; <b>PDBTitle:</b> crystal structure of tir domain from arabidopsis thaliana
61	<a href="#">d1u9ya1</a>	Alignment	not modelled	12.9	8	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosylpyrophosphate synthetase-like
62	<a href="#">c3d64A</a>	Alignment	not modelled	12.5	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> adenosylhomocysteinase; <b>PDBTitle:</b> crystal structure of s-adenosyl-l-homocysteine hydrolase from2 burkholderia pseudomallei
63	<a href="#">d1pj3a1</a>	Alignment	not modelled	12.2	17	<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
64	<a href="#">c1dkrB</a>	Alignment	not modelled	12.1	27	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphoribosyl pyrophosphate synthetase; <b>PDBTitle:</b> crystal structures of bacillus subtilis phosphoribosylpyrophosphate2 synthetase: molecular basis of allosteric inhibition and activation.
65	<a href="#">d2f62a1</a>	Alignment	not modelled	12.0	11	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> N-(deoxy)ribosyltransferase-like <b>Family:</b> N-(deoxy)ribosyltransferase
66	<a href="#">d1jhda1</a>	Alignment	not modelled	11.9	7	<b>Fold:</b> PUA domain-like <b>Superfamily:</b> PUA domain-like <b>Family:</b> ATP sulfurylase N-terminal domain
67	<a href="#">d1wdds</a>	Alignment	not modelled	11.3	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
68	<a href="#">d1s2da</a>	Alignment	not modelled	11.1	15	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> N-(deoxy)ribosyltransferase-like <b>Family:</b> N-(deoxy)ribosyltransferase
69	<a href="#">d2v6ai1</a>	Alignment	not modelled	11.1	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
70	<a href="#">c3c7cB</a>	Alignment	not modelled	11.1	9	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> octopine dehydrogenase; <b>PDBTitle:</b> a structural basis for substrate and stereo selectivity in2 octopine dehydrogenase (odh-nadh-l-arginine)
71	<a href="#">c3q98A</a>	Alignment	not modelled	10.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> transcarbamylase; <b>PDBTitle:</b> structure of ygew encoded protein from e. coli
72	<a href="#">c2z5bB</a>	Alignment	not modelled	10.6	21	<b>PDB header:</b> chaperone <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein ylr021w; <b>PDBTitle:</b> crystal structure of a novel chaperone complex for yeast2 20s proteasome assembly
73	<a href="#">d1miau5</a>	Alignment	not modelled	10.5	19	<b>Fold:</b> OB-fold <b>Superfamily:</b> Nucleic acid-binding proteins <b>Family:</b> Single strand DNA-binding domain, SSB
74	<a href="#">d1g8fa1</a>	Alignment	not modelled	10.5	21	<b>Fold:</b> PUA domain-like <b>Superfamily:</b> PUA domain-like <b>Family:</b> ATP sulfurylase N-terminal domain
75	<a href="#">c3q6nF</a>	Alignment	not modelled	10.4	16	<b>PDB header:</b> chaperone <b>Chain:</b> F: <b>PDB Molecule:</b> heat shock protein hsp 90-alpha; <b>PDBTitle:</b> crystal structure of human mc-hsp90 in p21 space group
76	<a href="#">d1uzdc1</a>	Alignment	not modelled	10.3	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
77	<a href="#">c2dgD</a>	Alignment	not modelled	10.3	10	<b>PDB header:</b> lyase <b>Chain:</b> D: <b>PDB Molecule:</b> 223aa long hypothetical arylmalonate decarboxylase; <b>PDBTitle:</b> crystal structure of st0656, a function unknown protein from2 sulfobolbus tokodaii
78	<a href="#">d1v47a1</a>	Alignment	not modelled	10.3	10	<b>Fold:</b> PUA domain-like <b>Superfamily:</b> PUA domain-like <b>Family:</b> ATP sulfurylase N-terminal domain
79	<a href="#">d8ruc1</a>	Alignment	not modelled	10.3	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit

80	<a href="#">d1ej7s</a>	Alignment	not modelled	10.2	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
81	<a href="#">d1gk8i</a>	Alignment	not modelled	9.8	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
82	<a href="#">d2pmra1</a>	Alignment	not modelled	9.7	25	<b>Fold:</b> immunoglobulin/albumin-binding domain-like <b>Superfamily:</b> AF1782-like <b>Family:</b> AF1782-like
83	<a href="#">c2r5wA</a>	Alignment	not modelled	9.0	13	<b>PDB header:</b> hydrolase, transferase <b>Chain:</b> A: <b>PDB Molecule:</b> nicotinamide-nucleotide adenyltransferase; <b>PDBTitle:</b> crystal structure of a bifunctional nmn2 adenyltransferase/adp ribose pyrophosphatase from3 francisella tularensis
84	<a href="#">d2e74g1</a>	Alignment	not modelled	8.8	44	<b>Fold:</b> Single transmembrane helix <b>Superfamily:</b> PetG subunit of the cytochrome b6f complex <b>Family:</b> PetG subunit of the cytochrome b6f complex
85	<a href="#">c1ml4A</a>	Alignment	not modelled	8.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aspartate transcarbamoylase; <b>PDBTitle:</b> the pala-ligated aspartate transcarbamoylase catalytic subunit from2 pyrococcus abyssi
86	<a href="#">d1m8pa1</a>	Alignment	not modelled	8.6	17	<b>Fold:</b> PUA domain-like <b>Superfamily:</b> PUA domain-like <b>Family:</b> ATP sulfurylase N-terminal domain
87	<a href="#">c1zh8B</a>	Alignment	not modelled	8.6	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> oxidoreductase; <b>PDBTitle:</b> crystal structure of oxidoreductase (tm0312) from thermotoga maritima2 at 2.50 a resolution
88	<a href="#">c3nv9A</a>	Alignment	not modelled	8.4	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> malic enzyme; <b>PDBTitle:</b> crystal structure of entamoeba histolytica malic enzyme
89	<a href="#">d1f8ya</a>	Alignment	not modelled	8.3	15	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> N-(deoxy)ribosyltransferase-like <b>Family:</b> N-deoxyribosyltransferase
90	<a href="#">c3oz1B</a>	Alignment	not modelled	8.1	21	<b>PDB header:</b> plant protein <b>Chain:</b> B: <b>PDB Molecule:</b> l6tr; <b>PDBTitle:</b> crystal structure of the tir domain from the flax disease resistance2 protein l6
91	<a href="#">c1zcoA</a>	Alignment	not modelled	8.1	15	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 2-dehydro-3-deoxyphosphoheptonate aldolase; <b>PDBTitle:</b> crystal structure of pyrococcus furiosus 3-deoxy-d-arabino-2 heptulosonate 7-phosphate synthase
92	<a href="#">c3mtqA</a>	Alignment	not modelled	7.6	11	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative phosphoenolpyruvate-dependent sugar <b>PDBTitle:</b> crystal structure of a putative phosphoenolpyruvate-dependent sugar2 phosphotransferase system (pts) permease (kpn_04802) from klebsiella3 pneumoniae subsp. pneumoniae mgh 78578 at 1.70 a resolution
93	<a href="#">d1ir1s</a>	Alignment	not modelled	7.6	33	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
94	<a href="#">c1qr6A</a>	Alignment	not modelled	7.5	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> malic enzyme 2; <b>PDBTitle:</b> human mitochondrial nad(p)-dependent malic enzyme
95	<a href="#">c3hftA</a>	Alignment	not modelled	7.5	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> wbms, polysaccharide deacetylase involved in o-antigen <b>PDBTitle:</b> crystal structure of a putative polysaccharide deacetylase involved in2 o-antigen biosynthesis (wbms, bb0128) from bordetella bronchiseptica3 at 1.90 a resolution
96	<a href="#">c3clbA</a>	Alignment	not modelled	7.3	21	<b>PDB header:</b> oxidoreductase, transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dhfr-ts; <b>PDBTitle:</b> structure of bifunctional tcdhfr-ts in complex with tmq
97	<a href="#">c2z5cA</a>	Alignment	not modelled	7.3	19	<b>PDB header:</b> chaperone/hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> protein ypl144w; <b>PDBTitle:</b> crystal structure of a novel chaperone complex for yeast2 20s proteasome assembly
98	<a href="#">d1gg2a1</a>	Alignment	not modelled	7.2	14	<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
99	<a href="#">c1alsA</a>	Alignment	not modelled	7.2	24	<b>PDB header:</b> transcarbamylase <b>Chain:</b> A: <b>PDB Molecule:</b> ornithine carbamoyltransferase; <b>PDBTitle:</b> ornithine carbamoyltransferase from pyrococcus furiosus