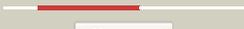
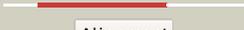
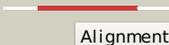
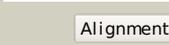
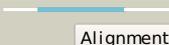
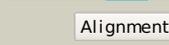
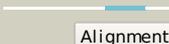


# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P25550
Date	Thu Jan 5 11:42:07 GMT 2012
Unique Job ID	1088ea979fa58538

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1tv8a_</a>	 Alignment		100.0	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Radical SAM enzymes <b>Family:</b> MoCo biosynthesis proteins
2	<a href="#">c2yx0A_</a>	 Alignment		99.9	17	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> radical sam enzyme; <b>PDBTitle:</b> crystal structure of p. horikoshii tyw1
3	<a href="#">c3c8fA_</a>	 Alignment		99.8	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate formate-lyase 1-activating enzyme; <b>PDBTitle:</b> 4fe-4s-pyruvate formate-lyase activating enzyme with2 partially disordered adomet
4	<a href="#">d1o1ta_</a>	 Alignment		99.7	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Radical SAM enzymes <b>Family:</b> Oxygen-independent coproporphyrinogen III oxidase HemN
5	<a href="#">c2a5hC_</a>	 Alignment		99.6	15	<b>PDB header:</b> isomerase <b>Chain:</b> C: <b>PDB Molecule:</b> l-lysine 2,3-aminomutase; <b>PDBTitle:</b> 2.1 angstrom x-ray crystal structure of lysine-2,3-aminomutase from2 clostridium subterminale sb4, with michaelis analog (l-alpha-lysine3 external aldimine form of pyridoxal-5'-phosphate).
6	<a href="#">c2z2uA_</a>	 Alignment		99.6	17	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> upf0026 protein mj0257; <b>PDBTitle:</b> crystal structure of archaeal tyw1
7	<a href="#">c3canA_</a>	 Alignment		99.5	17	<b>PDB header:</b> lyase activator <b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate-formate lyase-activating enzyme; <b>PDBTitle:</b> crystal structure of a domain of pyruvate-formate lyase-activating2 enzyme from bacteroides vulgatus atcc 8482
8	<a href="#">c3t7vA_</a>	 Alignment		99.5	8	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> methylornithine synthase pylb; <b>PDBTitle:</b> crystal structure of methylornithine synthase (pylb)
9	<a href="#">c3cixA_</a>	 Alignment		99.4	13	<b>PDB header:</b> adomet binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> fefe-hydrogenase maturase; <b>PDBTitle:</b> x-ray structure of the [fefe]-hydrogenase maturase hyde from2 thermotoga maritima in complex with thiocyanate
10	<a href="#">c3rfaA_</a>	 Alignment		99.4	15	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> ribosomal rna large subunit methyltransferase n; <b>PDBTitle:</b> x-ray structure of rlmn from escherichia coli in complex with s-2 adenosylmethionine
11	<a href="#">d1r30a_</a>	 Alignment		99.4	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Radical SAM enzymes <b>Family:</b> Biotin synthase

12	<a href="#">c1r30A_</a>	 Alignment		99.4	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> biotin synthase; <b>PDBTitle:</b> the crystal structure of biotin synthase, an s-2 adenosylmethionine-dependent radical enzyme
13	<a href="#">c2qgqF_</a>	 Alignment		98.6	8	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> F: <b>PDB Molecule:</b> protein tm_1862; <b>PDBTitle:</b> crystal structure of tm_1862 from thermotoga maritima.2 northeast structural genomics consortium target vr77
14	<a href="#">c3ivuB_</a>	 Alignment		94.5	10	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> homocitrate synthase, mitochondrial; <b>PDBTitle:</b> homocitrate synthase lys4 bound to 2-og
15	<a href="#">c3bleA_</a>	 Alignment		94.5	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> citramalate synthase from leptospira interrogans; <b>PDBTitle:</b> crystal structure of the catalytic domain of licms in2 complexed with malonate
16	<a href="#">c3ewbX_</a>	 Alignment		93.2	11	<b>PDB header:</b> transferase <b>Chain:</b> X: <b>PDB Molecule:</b> 2-isopropylmalate synthase; <b>PDBTitle:</b> crystal structure of n-terminal domain of putative 2-2 isopropylmalate synthase from listeria monocytogenes
17	<a href="#">c2ftpA_</a>	 Alignment		91.4	10	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxymethylglutaryl-coa lyase; <b>PDBTitle:</b> crystal structure of hydroxymethylglutaryl-coa lyase from pseudomonas2 aeruginosa
18	<a href="#">c2cw6B_</a>	 Alignment		86.2	8	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> hydroxymethylglutaryl-coa lyase, mitochondrial; <b>PDBTitle:</b> crystal structure of human hmg-coa lyase: insights into2 catalysis and the molecular basis for3 hydroxymethylglutaric aciduria
19	<a href="#">c1ydoC_</a>	 Alignment		76.3	11	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> hmg-coa lyase; <b>PDBTitle:</b> crystal structure of the bacillus subtilis hmg-coa lyase, northeast2 structural genomics target sr181.
20	<a href="#">c3eegB_</a>	 Alignment		76.2	8	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 2-isopropylmalate synthase; <b>PDBTitle:</b> crystal structure of a 2-isopropylmalate synthase from2 cytophaga hutchinsonii
21	<a href="#">c1ydnA_</a>	 Alignment	not modelled	70.1	10	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxymethylglutaryl-coa lyase; <b>PDBTitle:</b> crystal structure of the hmg-coa lyase from brucella melitensis,2 northeast structural genomics target lr35.
22	<a href="#">c2knpA_</a>	 Alignment	not modelled	49.8	36	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> mcocc-1; <b>PDBTitle:</b> isolation and characterization of peptides from momordica2 cochinchinensis seeds.
23	<a href="#">c2qv5A_</a>	 Alignment	not modelled	48.1	11	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein atu2773; <b>PDBTitle:</b> crystal structure of uncharacterized protein atu2773 from2 agrobacterium tumefaciens c58
24	<a href="#">c2wanA_</a>	 Alignment	not modelled	43.1	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> pullulanase; <b>PDBTitle:</b> pullulanase from bacillus acidipullulyticus
25	<a href="#">d1qwga_</a>	 Alignment	not modelled	39.4	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (2r)-phospho-3-sulfolactate synthase ComA <b>Family:</b> (2r)-phospho-3-sulfolactate synthase ComA
26	<a href="#">c1ehaA_</a>	 Alignment	not modelled	39.1	22	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> glycosyltrehalose trehalohydrolase; <b>PDBTitle:</b> crystal structure of glycosyltrehalose trehalohydrolase2 from sulfolobus solfataricus
27	<a href="#">d1gja2</a>	 Alignment	not modelled	38.9	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
28	<a href="#">c1bf2A_</a>	 Alignment	not modelled	38.2	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> isoamylase; <b>PDBTitle:</b> structure of pseudomonas isoamylase
						<b>PDB header:</b> transferase

29	<a href="#">c3k1dA_</a>	Alignment	not modelled	36.3	22	<b>Chain:</b> A; <b>PDB Molecule:</b> 1,4-alpha-glucan-branching enzyme; <b>PDBTitle:</b> crystal structure of glycogen branching enzyme synonym: 1,4-alpha-d-2 glucan:1,4-alpha-d-glucan 6-glucosyl-transferase from mycobacterium3 tuberculosis h37rv
30	<a href="#">c3m07A_</a>	Alignment	not modelled	36.1	25	<b>PDB header:</b> unknown function <b>Chain:</b> A; <b>PDB Molecule:</b> putative alpha amylase; <b>PDBTitle:</b> 1.4 angstrom resolution crystal structure of putative alpha2 amylase from salmonella typhimurium.
31	<a href="#">c2by0A_</a>	Alignment	not modelled	35.6	24	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> maltooligosyltrehalose trehalohydrolase; <b>PDBTitle:</b> is radiation damage dependent on the dose-rate used during2 macromolecular crystallography data collection
32	<a href="#">d1dd9a_</a>	Alignment	not modelled	34.6	11	<b>Fold:</b> DNA primase core <b>Superfamily:</b> DNA primase core <b>Family:</b> DNA primase DnaG catalytic core
33	<a href="#">c1dd9A_</a>	Alignment	not modelled	34.6	11	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> dna primase; <b>PDBTitle:</b> structure of the dnaG catalytic core
34	<a href="#">c1m7xC_</a>	Alignment	not modelled	33.8	20	<b>PDB header:</b> transferase <b>Chain:</b> C; <b>PDB Molecule:</b> 1,4-alpha-glucan branching enzyme; <b>PDBTitle:</b> the x-ray crystallographic structure of branching enzyme
35	<a href="#">c1nvmG_</a>	Alignment	not modelled	33.5	10	<b>PDB header:</b> lyase/oxidoreductase <b>Chain:</b> G; <b>PDB Molecule:</b> 4-hydroxy-2-oxovalerate aldolase; <b>PDBTitle:</b> crystal structure of a bifunctional aldolase-dehydrogenase :2 sequestering a reactive and volatile intermediate
36	<a href="#">d2nlva1</a>	Alignment	not modelled	29.9	10	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> Divergent polysaccharide deacetylase
37	<a href="#">c2vncB_</a>	Alignment	not modelled	29.8	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> glycogen operon protein glx; <b>PDBTitle:</b> crystal structure of glycogen debranching enzyme trex from2 sulfolobus solfataricus
38	<a href="#">c3ol0C_</a>	Alignment	not modelled	25.4	19	<b>PDB header:</b> de novo protein <b>Chain:</b> C; <b>PDB Molecule:</b> de novo designed monomer trefoil-fold sub-domain which <b>PDBTitle:</b> crystal structure of monofoil-4p homo-trimer: de novo designed monomer2 trefoil-fold sub-domain which forms homo-trimer assembly
39	<a href="#">c1gjuA_</a>	Alignment	not modelled	23.5	14	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> malto-dextrin glycosyltransferase; <b>PDBTitle:</b> maltosyltransferase from thermotoga maritima
40	<a href="#">d2d3na2</a>	Alignment	not modelled	22.6	9	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
41	<a href="#">c2dh3A_</a>	Alignment	not modelled	22.2	18	<b>PDB header:</b> transport protein, signaling protein <b>Chain:</b> A; <b>PDB Molecule:</b> 4f2 cell-surface antigen heavy chain; <b>PDBTitle:</b> crystal structure of human ed-4f2hc
42	<a href="#">c2vefB_</a>	Alignment	not modelled	22.1	13	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> dihydropteroate synthase; <b>PDBTitle:</b> dihydropteroate synthase from streptococcus pneumoniae
43	<a href="#">d1e43a2</a>	Alignment	not modelled	21.6	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
44	<a href="#">d1qt1a_</a>	Alignment	not modelled	20.3	11	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Xylose isomerase-like <b>Family:</b> Xylose isomerase
45	<a href="#">c2au3A_</a>	Alignment	not modelled	20.3	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> dna primase; <b>PDBTitle:</b> crystal structure of the aquifex aeolicus primase (zinc binding and2 rna polymerase domains)
46	<a href="#">d1m7xa3</a>	Alignment	not modelled	20.1	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
47	<a href="#">c1x31A_</a>	Alignment	not modelled	19.9	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> hypothetical protein ph0495; <b>PDBTitle:</b> crystal structure of the ph0495 protein from pyrococcus horikoshii2 ot3
48	<a href="#">d2gipa2</a>	Alignment	not modelled	19.8	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
49	<a href="#">d1ob0a2</a>	Alignment	not modelled	19.7	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
50	<a href="#">d1uwva2</a>	Alignment	not modelled	19.6	45	<b>Fold:</b> S-adenosyl-L-methionine-dependent methyltransferases <b>Superfamily:</b> S-adenosyl-L-methionine-dependent methyltransferases <b>Family:</b> (Uracil-5-)-methyltransferase
51	<a href="#">d2aaaa2</a>	Alignment	not modelled	19.3	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
52	<a href="#">c3amlA_</a>	Alignment	not modelled	19.0	14	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> os06g0726400 protein; <b>PDBTitle:</b> structure of the starch branching enzyme i (bei) from oryza sativa l
53	<a href="#">c3dz1A_</a>	Alignment	not modelled	18.8	14	<b>PDB header:</b> lyase <b>Chain:</b> A; <b>PDB Molecule:</b> dihydrodipicolinate synthase; <b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase from2 rhodospseudomonas palustris at 1.87a resolution
54	<a href="#">d2fcja1</a>	Alignment	not modelled	18.8	18	<b>Fold:</b> Toprim domain <b>Superfamily:</b> Toprim domain <b>Family:</b> Toprim domain
						<b>Fold:</b> TIM beta/alpha-barrel

55	<a href="#">d1ps9a1</a>	Alignment	not modelled	18.6	14	<b>Superfamily:</b> FMN-linked oxidoreductases <b>Family:</b> FMN-linked oxidoreductases
56	<a href="#">d1bf2a3</a>	Alignment	not modelled	18.5	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
57	<a href="#">d1z6ma1</a>	Alignment	not modelled	18.4	19	<b>Fold:</b> Thioredoxin fold <b>Superfamily:</b> Thioredoxin-like <b>Family:</b> DsbA-like
58	<a href="#">d1v93a</a>	Alignment	not modelled	18.4	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> FAD-linked oxidoreductase <b>Family:</b> Methylenetetrahydrofolate reductase
59	<a href="#">c1hvxA</a>	Alignment	not modelled	18.3	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-amylase; <b>PDBTitle:</b> bacillus stearothermophilus alpha-amylase
60	<a href="#">c3amkA</a>	Alignment	not modelled	17.7	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> os06g0726400 protein; <b>PDBTitle:</b> structure of the starch branching enzyme i (bei) from oryza sativa l
61	<a href="#">d1m53a2</a>	Alignment	not modelled	17.3	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
62	<a href="#">c1uwvA</a>	Alignment	not modelled	16.7	50	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 23s rna (uracil-5-)-methyltransferase ruma; <b>PDBTitle:</b> crystal structure of ruma, the iron-sulfur cluster2 containing e. coli 23s ribosomal rna 5-methyluridine3 methyltransferase
63	<a href="#">d2guya2</a>	Alignment	not modelled	16.5	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
64	<a href="#">c2gdvA</a>	Alignment	not modelled	15.9	7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> sucrose phosphorylase; <b>PDBTitle:</b> sucrose phosphorylase from bifidobacterium adolescentis2 reacted with sucrose
65	<a href="#">c3aerB</a>	Alignment	not modelled	15.9	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> light-independent protochlorophyllide reductase subunit b; <b>PDBTitle:</b> structure of the light-independent protochlorophyllide reductase2 catalyzing a key reduction for greening in the dark
66	<a href="#">c1zjaB</a>	Alignment	not modelled	15.8	15	<b>PDB header:</b> isomerase <b>Chain:</b> B: <b>PDB Molecule:</b> trehalulose synthase; <b>PDBTitle:</b> crystal structure of the trehalulose synthase mutb from2 pseudomonas mesoacidophila mx-45 (triclinic form)
67	<a href="#">c1e40A</a>	Alignment	not modelled	15.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-amylase; <b>PDBTitle:</b> tris/maltotriose complex of chimaeric amylase from b.2 amyloliquefaciens and b. licheniformis at 2.2a
68	<a href="#">c2taaA</a>	Alignment	not modelled	15.0	15	<b>PDB header:</b> hydrolase (o-glycosyl) <b>Chain:</b> A: <b>PDB Molecule:</b> taka-amylase a; <b>PDBTitle:</b> structure and possible catalytic residues of taka-amylase a
69	<a href="#">c1m53A</a>	Alignment	not modelled	15.0	10	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> isomaltulose synthase; <b>PDBTitle:</b> crystal structure of isomaltulose synthase (pali) from2 klebsiella sp. lx3
70	<a href="#">c3a47A</a>	Alignment	not modelled	14.6	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> oligo-1,6-glucosidase; <b>PDBTitle:</b> crystal structure of isomaltase from saccharomyces cerevisiae
71	<a href="#">d2b8na1</a>	Alignment	not modelled	14.4	16	<b>Fold:</b> GckA/TtuD-like <b>Superfamily:</b> GckA/TtuD-like <b>Family:</b> GckA/TtuD-like
72	<a href="#">c2ze0A</a>	Alignment	not modelled	14.3	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-glucosidase; <b>PDBTitle:</b> alpha-glucosidase gsj
73	<a href="#">d1r7aa2</a>	Alignment	not modelled	13.9	7	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
74	<a href="#">c3lwdA</a>	Alignment	not modelled	13.7	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> 6-phosphogluconolactonase; <b>PDBTitle:</b> crystal structure of putative 6-phosphogluconolactonase (yp_574786.1)2 from chromohalobacter salexigens dsm 3043 at 1.88 a resolution
75	<a href="#">d1eh9a3</a>	Alignment	not modelled	13.7	19	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
76	<a href="#">d2a6na1</a>	Alignment	not modelled	13.4	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I aldolase
77	<a href="#">d1qhoa4</a>	Alignment	not modelled	13.1	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
78	<a href="#">c2g7zB</a>	Alignment	not modelled	12.9	9	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> conserved hypothetical protein spy1493; <b>PDBTitle:</b> conserved degv-like protein of unknown function from streptococcus2 pyogenes m1 gas binds long-chain fatty acids
79	<a href="#">c1jdaA</a>	Alignment	not modelled	12.8	6	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> 1,4-alpha maltotetrahydrolase; <b>PDBTitle:</b> maltotetraose-forming exo-amylase
80	<a href="#">c2r8wB</a>	Alignment	not modelled	12.7	17	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> agr_c_1641p; <b>PDBTitle:</b> the crystal structure of dihydrodipicolinate synthase (atu0899) from2 agrobacterium tumefaciens str. c58

81	<a href="#">d2aeua1</a>	Alignment	not modelled	12.5	6	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> PLP-dependent transferases <b>Family:</b> SelA-like
82	<a href="#">d1o98a1</a>	Alignment	not modelled	12.5	8	<b>Fold:</b> 2,3-Bisphosphoglycerate-independent phosphoglycerate mutase, substrate-binding domain <b>Superfamily:</b> 2,3-Bisphosphoglycerate-independent phosphoglycerate mutase, substrate-binding domain <b>Family:</b> 2,3-Bisphosphoglycerate-independent phosphoglycerate mutase, substrate-binding domain
83	<a href="#">c1lwhA</a>	Alignment	not modelled	12.4	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 4-alpha-glucanotransferase; <b>PDBTitle:</b> crystal structure of t. maritima 4-alpha-glucanotransferase
84	<a href="#">c3p6lA</a>	Alignment	not modelled	12.3	10	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> sugar phosphate isomerase/epimerase; <b>PDBTitle:</b> crystal structure of a sugar phosphate isomerase/epimerase (bdi_1903)2 from parabacteroides distasonis atcc 8503 at 1.85 a resolution
85	<a href="#">c3lciA</a>	Alignment	not modelled	12.0	15	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetylneuraminatase lyase; <b>PDBTitle:</b> the d-sialic acid aldolase mutant v251w
86	<a href="#">d2bhua3</a>	Alignment	not modelled	12.0	23	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
87	<a href="#">c2aaaA</a>	Alignment	not modelled	11.9	15	<b>PDB header:</b> glycosidase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-amylase; <b>PDBTitle:</b> calcium binding in alpha-amylases: an x-ray diffraction2 study at 2.1 angstroms resolution of two enzymes from3 aspergillus
88	<a href="#">c1rrqA</a>	Alignment	not modelled	11.7	18	<b>PDB header:</b> hydrolase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> muty; <b>PDBTitle:</b> muty adenine glycosylase in complex with dna containing an2 a:oxog pair
89	<a href="#">c1uokA</a>	Alignment	not modelled	11.5	12	<b>PDB header:</b> glucosidase <b>Chain:</b> A: <b>PDB Molecule:</b> oligo-1,6-glucosidase; <b>PDBTitle:</b> crystal structure of b. cereus oligo-1,6-glucosidase
90	<a href="#">c3faxA</a>	Alignment	not modelled	11.4	24	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> reticulocyte binding protein; <b>PDBTitle:</b> the crystal structure of gbs pullulanase sap in complex with2 maltotetraose
91	<a href="#">d1hvx2</a>	Alignment	not modelled	11.4	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
92	<a href="#">c2p0oA</a>	Alignment	not modelled	11.4	6	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein duf871; <b>PDBTitle:</b> crystal structure of a conserved protein from locus ef_2437 in2 enterococcus faecalis with an unknown function
93	<a href="#">c3czkA</a>	Alignment	not modelled	11.1	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> sucrose hydrolase; <b>PDBTitle:</b> crystal structure analysis of sucrose hydrolase(suh) e322q-2 sucrose complex
94	<a href="#">d1g5aa2</a>	Alignment	not modelled	11.1	6	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
95	<a href="#">c2fhfA</a>	Alignment	not modelled	11.1	28	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> pullulanase; <b>PDBTitle:</b> crystal structure analysis of klebsiella pneumoniae2 pullulanase complexed with maltotetraose
96	<a href="#">c2vs1A</a>	Alignment	not modelled	11.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized rna methyltransferase pyrab10780; <b>PDBTitle:</b> the crystal structure of pyrococcus abyssi trna (uracil-54,2 c5)-methyltransferase in complex with s-adenosyl-l-3 homocysteine
97	<a href="#">c3b4uB</a>	Alignment	not modelled	10.9	15	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> dihydrodipicolinate synthase; <b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase from agrobacterium2 tumefaciens str. c58
98	<a href="#">c3e96B</a>	Alignment	not modelled	10.9	13	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> dihydrodipicolinate synthase; <b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase from2 bacillus clausii
99	<a href="#">d1t6t1</a>	Alignment	not modelled	10.9	16	<b>Fold:</b> Toprim domain <b>Superfamily:</b> Toprim domain <b>Family:</b> Toprim domain