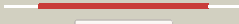



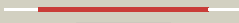

















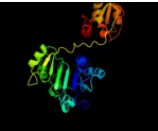










# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P27242
Date	Thu Jan 5 11:43:22 GMT 2012
Unique Job ID	2fb8049e1689b393

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3tovB_</a>	 Alignment		100.0	17	<b>PDB header:</b> transferase <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
2	<a href="#">d1pswa_</a>	 Alignment		100.0	18	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> ADP-heptose LPS heptosyltransferase II
3	<a href="#">c2h1fB_</a>	 Alignment		100.0	15	<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
4	<a href="#">d1v4va_</a>	 Alignment		99.2	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="#">c3ot5D_</a>	 Alignment		99.1	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
6	<a href="#">d1o6ca_</a>	 Alignment		98.8	17	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDP-N-acetylglucosamine 2-epimerase
7	<a href="#">d1f6da_</a>	 Alignment		98.8	14	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDP-N-acetylglucosamine 2-epimerase
8	<a href="#">c3dzca_</a>	 Alignment		98.4	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 webc (vc0917), a udp-n-2 acetylglucosamine 2-epimerase from vibrio cholerae.
9	<a href="#">c3hbmA_</a>	 Alignment		97.9	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> udp-sugar hydrolase; <b>PDBTitle:</b> crystal structure of pseg from campylobacter jejuni
10	<a href="#">d1f0ka_</a>	 Alignment		97.9	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Peptidoglycan biosynthesis glycosyltransferase MurG
11	<a href="#">d1pn3a_</a>	 Alignment		97.7	11	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Gtf glycosyltransferase

12	<a href="#">c2xcuC_</a>	Alignment		97.3	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
13	<a href="#">c2vsnB_</a>	Alignment		97.1	9	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> xcogt; <b>PDBTitle:</b> structure and topological arrangement of an o-glcna2 transferase homolog: insight into molecular control of3 intracellular glycosylation
14	<a href="#">c2r60A_</a>	Alignment		97.0	10	<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) of2 halothermothrix oreni
15	<a href="#">c3oy2A_</a>	Alignment		96.8	11	<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
16	<a href="#">c2jimH_</a>	Alignment		96.8	11	<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.
17	<a href="#">c3othB_</a>	Alignment		96.7	12	<b>PDB header:</b> transferase/antibiotic <b>Chain:</b> B: <b>PDB Molecule:</b> calg1; <b>PDBTitle:</b> crystal structure of calg1, calicheamicin glycosyltransferase, tdp2 and calicheamicin alpha3i bound form
18	<a href="#">c2gejA_</a>	Alignment		96.6	10	<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
19	<a href="#">c3iaaB_</a>	Alignment		96.3	11	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> calg2; <b>PDBTitle:</b> crystal structure of calg2, calicheamicin glycosyltransferase, tdp2 bound form
20	<a href="#">c3okaA_</a>	Alignment		96.1	11	<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)
21	<a href="#">c3d0qB_</a>	Alignment	not modelled	95.4	9	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> protein calg3; <b>PDBTitle:</b> crystal structure of calg3 from micromonospora echinospora determined2 in space group i222
22	<a href="#">c3c4vB_</a>	Alignment	not modelled	95.3	12	<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.
23	<a href="#">d1rrva_</a>	Alignment	not modelled	95.0	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Gtf glycosyltransferase
24	<a href="#">c2x6rA_</a>	Alignment	not modelled	94.2	16	<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
25	<a href="#">c2p6pB_</a>	Alignment	not modelled	93.5	10	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> glycosyl transferase; <b>PDBTitle:</b> x-ray crystal structure of c-c bond-forming dtdp-d-olivose-transferase2 urdgt2
26	<a href="#">c2o6lA_</a>	Alignment	not modelled	93.3	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> udp-glucuronosyltransferase 2b7; <b>PDBTitle:</b> crystal structure of the udp-glucuronic acid binding domain2 of the human drug metabolizing udp-glucuronosyltransferase3 2b7
27	<a href="#">c2q6vA_</a>	Alignment	not modelled	93.3	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> glucuronosyltransferase gumk; <b>PDBTitle:</b> crystal structure of gumk in complex with udp
28	<a href="#">c2iyaB_</a>	Alignment	not modelled	93.1	8	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> oleandomycin glycosyltransferase; <b>PDBTitle:</b> the crystal structure of macrolide glycosyltransferases: a2 blueprint for antibiotic engineering

29	<a href="#">dliira_</a>	Alignment	not modelled	91.5	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Gtf glycosyltransferase
30	<a href="#">c3ia7A_</a>	Alignment	not modelled	91.1	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calg4; <b>PDBTitle:</b> crystal structure of calg4, the calicheamicin glycosyltransferase
31	<a href="#">c3qhpB_</a>	Alignment	not modelled	90.2	8	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> type 1 capsular polysaccharide biosynthesis protein j <b>PDBTitle:</b> crystal structure of the catalytic domain of cholesterol-alpha-2 glucosyltransferase from helicobacter pylori
32	<a href="#">d2ptza1</a>	Alignment	not modelled	89.5	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase
33	<a href="#">c2iyfA_</a>	Alignment	not modelled	88.2	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> oleandomycin glycosyltransferase; <b>PDBTitle:</b> the crystal structure of macrolide glycosyltransferases: a2 blueprint for antibiotic engineering
34	<a href="#">c2khzB_</a>	Alignment	not modelled	88.2	15	<b>PDB header:</b> nuclear protein <b>Chain:</b> B: <b>PDB Molecule:</b> c-myc-responsive protein rcl; <b>PDBTitle:</b> solution structure of rcl
35	<a href="#">d1w6ta1</a>	Alignment	not modelled	87.7	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase
36	<a href="#">c3ehdA_</a>	Alignment	not modelled	87.6	15	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized conserved protein; <b>PDBTitle:</b> crystal structure of conserved protein from enterococcus faecalis v583
37	<a href="#">d2acva1</a>	Alignment	not modelled	86.6	13	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDPGT-like
38	<a href="#">dliyxal</a>	Alignment	not modelled	85.6	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase
39	<a href="#">d2akza1</a>	Alignment	not modelled	81.8	11	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase
40	<a href="#">d2f62a1</a>	Alignment	not modelled	79.3	32	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> N-(deoxy)ribosyltransferase-like <b>Family:</b> N-deoxyribosyltransferase
41	<a href="#">d2c1xa1</a>	Alignment	not modelled	78.9	8	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDPGT-like
42	<a href="#">d1s2da_</a>	Alignment	not modelled	78.1	16	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> N-(deoxy)ribosyltransferase-like <b>Family:</b> N-deoxyribosyltransferase
43	<a href="#">c2xmpB_</a>	Alignment	not modelled	77.9	18	<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
44	<a href="#">c3l7mC_</a>	Alignment	not modelled	76.7	13	<b>PDB header:</b> structural protein <b>Chain:</b> C: <b>PDB Molecule:</b> teichoic acid biosynthesis protein f; <b>PDBTitle:</b> structure of the wall teichoic acid polymerase tagf, h548a
45	<a href="#">d1f8ya_</a>	Alignment	not modelled	76.2	22	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> N-(deoxy)ribosyltransferase-like <b>Family:</b> N-deoxyribosyltransferase
46	<a href="#">c2x0dA_</a>	Alignment	not modelled	72.8	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> wsaf; <b>PDBTitle:</b> apo structure of wsaf
47	<a href="#">c2ptwA_</a>	Alignment	not modelled	70.6	13	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> crystal structure of the t. brucei enolase complexed with2 sulphate, identification of a metal binding site iv
48	<a href="#">c3zquA_</a>	Alignment	not modelled	69.9	7	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> probable aromatic acid decarboxylase; <b>PDBTitle:</b> structure of a probable aromatic acid decarboxylase
49	<a href="#">d2g8la1</a>	Alignment	not modelled	68.8	10	<b>Fold:</b> AF1104-like <b>Superfamily:</b> AF1104-like <b>Family:</b> AF1104-like
50	<a href="#">d1a9xa3</a>	Alignment	not modelled	67.7	16	<b>Fold:</b> PreATP-grasp domain <b>Superfamily:</b> PreATP-grasp domain <b>Family:</b> BC N-terminal domain-like
51	<a href="#">c3pe3D_</a>	Alignment	not modelled	67.5	10	<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-glcna2 transferase and its complex with a peptide2 substrate
52	<a href="#">c3cwcB_</a>	Alignment	not modelled	65.5	27	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putative glycerate kinase 2; <b>PDBTitle:</b> crystal structure of putative glycerate kinase 2 from salmonella2 typhimurium lt2
53	<a href="#">c3otrC_</a>	Alignment	not modelled	65.4	7	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> 2.75 angstrom crystal structure of enolase 1 from toxoplasma gondii
54	<a href="#">d1pdza1</a>	Alignment	not modelled	64.8	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase
55	<a href="#">d2fyma1</a>	Alignment	not modelled	62.1	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase

56	<a href="#">c3qjgD_</a>	Alignment	not modelled	59.7	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> epidermin biosynthesis protein epid; <b>PDBTitle:</b> epidermin biosynthesis protein epid from staphylococcus aureus
57	<a href="#">c2jzcA_</a>	Alignment	not modelled	58.6	21	<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 of 2 a yeast n-acetylglucosamine transferase. northeast3 structural genomics consortium target yg1
58	<a href="#">c3pdiB_</a>	Alignment	not modelled	57.4	9	<b>PDB header:</b> protein binding <b>Chain:</b> B: <b>PDB Molecule:</b> nitrogenase mofe cofactor biosynthesis protein nifn; <b>PDBTitle:</b> precursor bound nifen
59	<a href="#">d1mvla_</a>	Alignment	not modelled	57.3	9	<b>Fold:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD <b>Superfamily:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD <b>Family:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD
60	<a href="#">c1mvIA_</a>	Alignment	not modelled	57.3	9	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> ppc decarboxylase athal3a; <b>PDBTitle:</b> ppc decarboxylase mutant c175s
61	<a href="#">d2pq6a1</a>	Alignment	not modelled	57.3	18	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> UDPGT-like
62	<a href="#">d2al1a1</a>	Alignment	not modelled	56.7	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> Enolase
63	<a href="#">c3qtpB_</a>	Alignment	not modelled	53.5	11	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> enolase 1; <b>PDBTitle:</b> crystal structure analysis of entamoeba histolytica enolase
64	<a href="#">c3uj2C_</a>	Alignment	not modelled	51.8	17	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> enolase 1; <b>PDBTitle:</b> crystal structure of an enolase from anaerostipes caccae (efi target2 efi-502054) with bound mg and sulfate
65	<a href="#">d1xfia_</a>	Alignment	not modelled	51.1	33	<b>Fold:</b> AF1104-like <b>Superfamily:</b> AF1104-like <b>Family:</b> AF1104-like
66	<a href="#">c3af0B_</a>	Alignment	not modelled	50.3	14	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> nadh kinase pos5; <b>PDBTitle:</b> crystal structure of yeast nadh kinase complexed with nadh
67	<a href="#">c2ejbA_</a>	Alignment	not modelled	48.1	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> probable aromatic acid decarboxylase; <b>PDBTitle:</b> crystal structure of phenylacrylic acid decarboxylase from2 aquifex aeolicus
68	<a href="#">c2pa6A_</a>	Alignment	not modelled	47.5	17	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> crystal structure of nj0232 from methanococcus jannaschii
69	<a href="#">c3thdD_</a>	Alignment	not modelled	47.2	12	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> crystal structure of human beta-galactosidase in complex with 1-2 deoxygalactonojirimycin
70	<a href="#">d1vbga2</a>	Alignment	not modelled	46.0	8	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> Phosphohistidine domain <b>Family:</b> Pyruvate phosphate dikinase, central domain
71	<a href="#">d1kbla2</a>	Alignment	not modelled	45.9	7	<b>Fold:</b> The "swivelling" beta/beta/alpha domain <b>Superfamily:</b> Phosphohistidine domain <b>Family:</b> Pyruvate phosphate dikinase, central domain
72	<a href="#">d1ybha1</a>	Alignment	not modelled	45.8	11	<b>Fold:</b> DHS-like NAD/FAD-binding domain <b>Superfamily:</b> DHS-like NAD/FAD-binding domain <b>Family:</b> Pyruvate oxidase and decarboxylase, middle domain
73	<a href="#">c2fymA_</a>	Alignment	not modelled	44.2	16	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> crystal structure of e. coli enolase complexed with the2 minimal binding segment of rnae e.
74	<a href="#">d1p3y1_</a>	Alignment	not modelled	41.0	16	<b>Fold:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD <b>Superfamily:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD <b>Family:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD
75	<a href="#">c3tqpA_</a>	Alignment	not modelled	39.9	13	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> structure of an enolase (eno) from coxiella burnetii
76	<a href="#">c3q3hA_</a>	Alignment	not modelled	39.8	9	<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
77	<a href="#">c3d3aA_</a>	Alignment	not modelled	38.9	9	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> crystal structure of a beta-galactosidase from bacteroides2 thetaiotaomicron
78	<a href="#">c3qn3B_</a>	Alignment	not modelled	38.8	14	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> phosphopyruvate hydratase from campylobacter jejuni.
79	<a href="#">d1g5qa_</a>	Alignment	not modelled	36.6	16	<b>Fold:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD <b>Superfamily:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD <b>Family:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD
						<b>PDB header:</b> isomerase

80	<a href="#">c3qviB_</a>	Alignment	not modelled	34.3	17	<b>Chain:</b> B: <b>PDB Molecule:</b> putative hydantoin racemase; <b>PDBTitle:</b> allantoin racemase from klebsiella pneumoniae
81	<a href="#">c3ogrA_</a>	Alignment	not modelled	33.6	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-galactosidase; <b>PDBTitle:</b> complex structure of beta-galactosidase from trichoderma reesei with2 galactose
82	<a href="#">c3aerB_</a>	Alignment	not modelled	32.5	10	<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
83	<a href="#">d1a9xa4</a>	Alignment	not modelled	32.3	10	<b>Fold:</b> PreATP-grasp domain <b>Superfamily:</b> PreATP-grasp domain <b>Family:</b> BC N-terminal domain-like
84	<a href="#">c3mcfF_</a>	Alignment	not modelled	31.2	7	<b>PDB header:</b> oxidoreductase <b>Chain:</b> F: <b>PDB Molecule:</b> dipicolinate synthase, b chain; <b>PDBTitle:</b> crystal structure of the dipicolinate synthase chain b from2 bacillus cereus. northeast structural genomics consortium3 target bcr215.
85	<a href="#">d1to6a_</a>	Alignment	not modelled	30.3	19	<b>Fold:</b> Glycerate kinase I <b>Superfamily:</b> Glycerate kinase I <b>Family:</b> Glycerate kinase I
86	<a href="#">c1qgeD_</a>	Alignment	not modelled	29.6	7	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> protein (triacylglycerol hydrolase); <b>PDBTitle:</b> new crystal form of pseudomonas glumae (formerly chromobacterium2 viscosum atcc 6918) lipase
87	<a href="#">c3k94A_</a>	Alignment	not modelled	29.3	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thiamin pyrophosphokinase; <b>PDBTitle:</b> crystal structure of thiamin pyrophosphokinase from geobacillus2 thermodenitrificans, northeast structural genomics consortium target3 gtr2
88	<a href="#">d2ffja1</a>	Alignment	not modelled	29.3	14	<b>Fold:</b> AF1104-like <b>Superfamily:</b> AF1104-like <b>Family:</b> AF1104-like
89	<a href="#">d2f9fa1</a>	Alignment	not modelled	27.5	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
90	<a href="#">d1m5wa_</a>	Alignment	not modelled	26.8	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Pyridoxine 5'-phosphate synthase <b>Family:</b> Pyridoxine 5'-phosphate synthase
91	<a href="#">d2jfga1</a>	Alignment	not modelled	26.7	12	<b>Fold:</b> MurCD N-terminal domain <b>Superfamily:</b> MurCD N-terminal domain <b>Family:</b> MurCD N-terminal domain
92	<a href="#">c3lqkA_</a>	Alignment	not modelled	26.0	11	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> dipicolinate synthase subunit b; <b>PDBTitle:</b> crystal structure of dipicolinate synthase subunit b from bacillus2 halodurans c
93	<a href="#">c1iyxA_</a>	Alignment	not modelled	25.8	16	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> enolase; <b>PDBTitle:</b> crystal structure of enolase from enterococcus hirae
94	<a href="#">c1l8pC_</a>	Alignment	not modelled	23.9	15	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> enolase 1; <b>PDBTitle:</b> mg-phosphonoacetoxyhydroxamate complex of s39a yeast enolase 1
95	<a href="#">c3cq9C_</a>	Alignment	not modelled	23.2	14	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> uncharacterized protein lp_1622; <b>PDBTitle:</b> crystal structure of the lp_1622 protein from lactobacillus2 plantarum. northeast structural genomics consortium target3 lpr114
96	<a href="#">d2bisa1</a>	Alignment	not modelled	21.4	12	<b>Fold:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Superfamily:</b> UDP-Glycosyltransferase/glycogen phosphorylase <b>Family:</b> Glycosyl transferases group 1
97	<a href="#">c3bzjA_</a>	Alignment	not modelled	20.7	8	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uv endonuclease; <b>PDBTitle:</b> uvde k229l
98	<a href="#">c2hwwC_</a>	Alignment	not modelled	19.3	17	<b>PDB header:</b> rna binding protein <b>Chain:</b> C: <b>PDB Molecule:</b> telomerase-binding protein est1a; <b>PDBTitle:</b> structure of pin domain of human smg6
99	<a href="#">c3lm8D_</a>	Alignment	not modelled	19.1	31	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> thiamine pyrophosphokinase; <b>PDBTitle:</b> crystal structure of thiamine pyrophosphokinase from2 bacillus subtilis, northeast structural genomics consortium3 target sr677