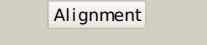
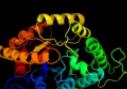


# Phyre<sup>2</sup>

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Description	P80645
Date	Thu Jan 5 12:33:15 GMT 2012
Unique Job ID	5917a49f1847ac43

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1nqka_</a>			100.0	98	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial luciferase-like <b>Family:</b> Sud-like monooxygenases
2	<a href="#">c3raoB_</a>			100.0	29	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B; <b>PDB Molecule:</b> putative luciferase-like monooxygenase; <b>PDBTitle:</b> crystal structure of the luciferase-like monooxygenase from bacillus2 cereus atcc 10987.
3	<a href="#">c3sdoB_</a>			100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B; <b>PDB Molecule:</b> nitrilotriacetate monooxygenase; <b>PDBTitle:</b> structure of a nitrilotriacetate monooxygenase from burkholderia2 pseudomallei
4	<a href="#">c3b9nB_</a>			100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B; <b>PDB Molecule:</b> alkane monooxygenase; <b>PDBTitle:</b> crystal structure of long-chain alkane monooxygenase (lada)
5	<a href="#">d1tvla_</a>			100.0	23	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial luciferase-like <b>Family:</b> Sud-like monooxygenases
6	<a href="#">c1tvIA_</a>			100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> protein ytnj; <b>PDBTitle:</b> structure of ytnj from bacillus subtilis
7	<a href="#">d1ezwa_</a>			100.0	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial luciferase-like <b>Family:</b> F420 dependent oxidoreductases
8	<a href="#">d1luca_</a>			100.0	20	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial luciferase-like <b>Family:</b> Bacterial luciferase (alkanal monooxygenase)
9	<a href="#">c1z69D_</a>			100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D; <b>PDB Molecule:</b> coenzyme f420-dependent n(5),n(10)-reductase (mer) in complex with coenzyme f420 <b>PDBTitle:</b> crystal structure of methylenetetrahydromethanopterin2 reductase (mer) in complex with coenzyme f420
10	<a href="#">c2wgkA_</a>			100.0	16	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> 3,6-diketocamphane 1,6 monooxygenase; <b>PDBTitle:</b> type ii baeyer-villiger monooxygenase oxygenating2 constituent of 3,6-diketocamphane 1,6 monooxygenase from pseudomonas putida
11	<a href="#">d1lucb_</a>			100.0	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial luciferase-like <b>Family:</b> Bacterial luciferase (alkanal monooxygenase)

12	<a href="#">d1rhca_</a>			100.0	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial Luciferase-like <b>Family:</b> F420 dependent oxidoreductases
13	<a href="#">c2i7gA_</a>			100.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> monooxygenase; <b>PDBTitle:</b> crystal structure of monooxygenase from agrobacterium tumefaciens
14	<a href="#">d1f07a_</a>			100.0	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial Luciferase-like <b>Family:</b> F420 dependent oxidoreductases
15	<a href="#">c3c8nB_</a>			100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> probable f420-dependent glucose-6-phosphate dehydrogenase <b>PDBTitle:</b> crystal structure of apo-fgd1 from mycobacterium tuberculosis
16	<a href="#">c2b81D_</a>			100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> luciferase-like monooxygenase; <b>PDBTitle:</b> crystal structure of the luciferase-like monooxygenase from bacillus2 cereus
17	<a href="#">d1nfpa_</a>			99.9	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial Luciferase-like <b>Family:</b> Non-fluorescent flavoprotein (luxF, FP390)
18	<a href="#">d1fvpa_</a>			99.3	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Bacterial Luciferase-like <b>Family:</b> Non-fluorescent flavoprotein (luxF, FP390)
19	<a href="#">d1muma_</a>			91.5	11	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Phosphoenolpyruvate mutase/Isocitrate lyase-like
20	<a href="#">c1zlpA_</a>			91.4	19	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> petal death protein; <b>PDBTitle:</b> petal death protein psr132 with cysteine-linked glutaraldehyde forming2 a thiohemiacetal adduct
21	<a href="#">c3fa4D_</a>		not modelled	91.3	28	<b>PDB header:</b> lyase <b>Chain:</b> D: <b>PDB Molecule:</b> 2,3-dimethylmalate lyase; <b>PDBTitle:</b> crystal structure of 2,3-dimethylmalate lyase, a pep mutase/isocitrate2 lyase superfamily member, triclinic crystal form
22	<a href="#">c3eo0L_</a>		not modelled	91.2	19	<b>PDB header:</b> lyase <b>Chain:</b> L: <b>PDB Molecule:</b> methylisocitrate lyase; <b>PDBTitle:</b> 2.9a crystal structure of methyl-isocitrate lyase from burkholderia pseudomallei
23	<a href="#">c3lyeA_</a>		not modelled	91.0	24	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> oxaloacetate acetyl hydrolase; <b>PDBTitle:</b> crystal structure of oxaloacetate acetylhydrolase
24	<a href="#">d1ujqA_</a>		not modelled	90.9	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Phosphoenolpyruvate mutase/Isocitrate lyase-like
25	<a href="#">c2ze3A_</a>		not modelled	89.9	17	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> dfa0005; <b>PDBTitle:</b> crystal structure of dfa0005 complexed with alpha-ketoglutarate: a2 novel member of the icl/pepm superfamily from alkali-tolerant3 deinococcus fucus
26	<a href="#">c3b8iF_</a>		not modelled	89.8	25	<b>PDB header:</b> lyase <b>Chain:</b> F: <b>PDB Molecule:</b> pa4872 oxaloacetate decarboxylase; <b>PDBTitle:</b> crystal structure of oxaloacetate decarboxylase from pseudomonas2 aeruginosa (pa4872) in complex with oxalate and mg2+.
27	<a href="#">c2qiwA_</a>		not modelled	89.5	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> pep phosphonomutase; <b>PDBTitle:</b> crystal structure of a putative phosphoenolpyruvate phosphonomutase2 (ncgl1015, cgl1060) from corynebacterium glutamicum atcc 13032 at 1.80 a resolution
28	<a href="#">c2ih1A_</a>		not modelled	89.4	10	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> methylisocitrate lyase;

28	<a href="#">c3m1A_</a>	Alignment	not modelled	89.4	19	<b>PDBTitle:</b> crystal structure of carboxyvinyl-carboxyphosphonate phosphorylmutase2 from bacillus anthracis
29	<a href="#">d1s2wa_</a>	Alignment	not modelled	83.1	11	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Phosphoenolpyruvate mutase/Iscitrate lyase-like
30	<a href="#">c2hjpA_</a>	Alignment	not modelled	78.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphonopyruvate hydrolase; <b>PDBTitle:</b> crystal structure of phosphonopyruvate hydrolase complex with2 phosphonopyruvate and mg++
31	<a href="#">c1rcxH_</a>	Alignment	not modelled	65.0	13	<b>PDB header:</b> lyase (carbon-carbon) <b>Chain:</b> H: <b>PDB Molecule:</b> ribulose bisphosphate carboxylase/oxygenase; <b>PDBTitle:</b> non-activated spinach rubisco in complex with its substrate2 ribulose-1,5-bisphosphate
32	<a href="#">d2d69a1</a>	Alignment	not modelled	59.5	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
33	<a href="#">d1jpdx1</a>	Alignment	not modelled	57.7	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
34	<a href="#">c1ydnA_</a>	Alignment	not modelled	55.7	17	<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.
35	<a href="#">c3qy6A_</a>	Alignment	not modelled	54.3	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein phosphatase ywqe; <b>PDBTitle:</b> crystal structures of ywqe from bacillus subtilis and cpsb from2 streptococcus pneumoniae, unique metal-dependent tyrosine3 phosphatases
36	<a href="#">d1jpma1</a>	Alignment	not modelled	52.4	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
37	<a href="#">d2fqa1</a>	Alignment	not modelled	50.4	19	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> GaZ-like
38	<a href="#">c3bg5C_</a>	Alignment	not modelled	50.0	14	<b>PDB header:</b> ligase <b>Chain:</b> C: <b>PDB Molecule:</b> pyruvate carboxylase; <b>PDBTitle:</b> crystal structure of staphylococcus aureus pyruvate2 carboxylase
39	<a href="#">c2ftpA_</a>	Alignment	not modelled	48.5	17	<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
40	<a href="#">c3ivuB_</a>	Alignment	not modelled	46.5	17	<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
41	<a href="#">c2cw6B_</a>	Alignment	not modelled	40.9	9	<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
42	<a href="#">d1ej7I1</a>	Alignment	not modelled	40.6	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
43	<a href="#">c3ez4B_</a>	Alignment	not modelled	40.1	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 3-methyl-2-oxobutanoate hydroxymethyltransferase; <b>PDBTitle:</b> crystal structure of 3-methyl-2-oxobutanoate2 hydroxymethyltransferase from burkholderia pseudomallei
44	<a href="#">c1rr2A_</a>	Alignment	not modelled	38.2	7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> transcarboxylase 5s subunit; <b>PDBTitle:</b> propionibacterium shermanii transcarboxylase 5s subunit bound to 2-2 ketobutyric acid
45	<a href="#">d1tzal1</a>	Alignment	not modelled	35.8	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
46	<a href="#">c3cixA_</a>	Alignment	not modelled	35.5	11	<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 [fefel]-hydrogenase maturase hyde from2 thermotoga maritima in complex with thiocyanate
47	<a href="#">c1ydcC_</a>	Alignment	not modelled	35.2	9	<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.
48	<a href="#">d7reqb2</a>	Alignment	not modelled	33.6	14	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Cobalamin (vitamin B12)-binding domain <b>Family:</b> Cobalamin (vitamin B12)-binding domain
49	<a href="#">d2gl5a1</a>	Alignment	not modelled	33.2	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
50	<a href="#">d1m3ua_</a>	Alignment	not modelled	33.0	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Ketopantoate hydroxymethyltransferase PanB
51	<a href="#">c3bleA_</a>	Alignment	not modelled	32.8	7	<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
52	<a href="#">c3pueA_</a>	Alignment	not modelled	32.6	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydrodipicolinate synthase; <b>PDBTitle:</b> crystal structure of the complex of dihydrodipicolinate synthase from2 acinetobacter baumannii with lysine at 2.6a resolution
						<b>PDB header:</b> hydrolase

53	<a href="#">c2wjeA</a>	Alignment	not modelled	31.0	10	<b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein phosphatase cspb; <b>PDBTitle:</b> crystal structure of the tyrosine phosphatase cps4 from2 <i>stptococcus pneumoniae</i> tigr4.
54	<a href="#">c2nx9B</a>	Alignment	not modelled	30.0	9	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> oxaloacetate decarboxylase 2, subunit alpha; <b>PDBTitle:</b> crystal structure of the carboxyltransferase domain of the oxaloacetate decarboxylase na+ pump from <i>vibrio cholerae</i>
55	<a href="#">c3e02A</a>	Alignment	not modelled	29.8	14	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein duf849; <b>PDBTitle:</b> crystal structure of a duf849 family protein (bxe_c0271) from2 <i>burkholderia xenovorans</i> lb400 at 1.90 a resolution
56	<a href="#">d1nvma2</a>	Alignment	not modelled	29.5	11	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> HMG-like
57	<a href="#">d1xxxal</a>	Alignment	not modelled	29.4	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I aldolase
58	<a href="#">d2noca1</a>	Alignment	not modelled	29.3	22	<b>Fold:</b> Dodecin subunit-like <b>Superfamily:</b> YdgH-like <b>Family:</b> YdgH-like
59	<a href="#">d1r3sa</a>	Alignment	not modelled	29.1	7	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> UROD/MetE-like <b>Family:</b> Uroporphyrinogen decarboxylase, UROD
60	<a href="#">c1jpkA</a>	Alignment	not modelled	29.0	7	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> uroporphyrinogen decarboxylase; <b>PDBTitle:</b> gly156asp mutant of human urod, human uroporphyrinogen iii2 decarboxylase
61	<a href="#">c1zfjA</a>	Alignment	not modelled	28.9	16	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> inosine monophosphate dehydrogenase; <b>PDBTitle:</b> inosine monophosphate dehydrogenase (imdh; ec 1.1.1.205) from2 <i>streptococcus pyogenes</i>
62	<a href="#">d1luoka2</a>	Alignment	not modelled	28.8	30	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
63	<a href="#">d1m53a2</a>	Alignment	not modelled	28.1	22	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
64	<a href="#">c1rldB</a>	Alignment	not modelled	27.8	12	<b>PDB header:</b> lyase(carbon-carbon) <b>Chain:</b> B: <b>PDB Molecule:</b> ribulose 1,5 bisphosphate carboxylase/oxygenase (large <b>PDBTitle:</b> solid-state phase transition in the crystal structure of ribulose 1,5-2 biphosphate carboxylase(slash)oxygenase
65	<a href="#">d1o5ka</a>	Alignment	not modelled	27.6	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I aldolase
66	<a href="#">d1j93a</a>	Alignment	not modelled	27.5	22	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> UROD/MetE-like <b>Family:</b> Uroporphyrinogen decarboxylase, UROD
67	<a href="#">d8ruca1</a>	Alignment	not modelled	27.5	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
68	<a href="#">c2d69B</a>	Alignment	not modelled	27.0	13	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> ribulose bisphosphate carboxylase; <b>PDBTitle:</b> crystal structure of the complex of sulfate ion and octameric2 ribulose-1,5-bisphosphate carboxylase/oxygenase (rubisco) from3 <i>pyrococcus horikoshii</i> ot3 (form-2 crystal)
69	<a href="#">d1ht6a2</a>	Alignment	not modelled	25.8	19	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
70	<a href="#">d1bxna1</a>	Alignment	not modelled	25.6	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
71	<a href="#">c2ejab</a>	Alignment	not modelled	24.5	12	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> uroporphyrinogen decarboxylase; <b>PDBTitle:</b> crystal structure of uroporphyrinogen decarboxylase from2 <i>aquifex aeolicus</i>
72	<a href="#">d1geha1</a>	Alignment	not modelled	24.4	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
73	<a href="#">d1lwha2</a>	Alignment	not modelled	24.1	30	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
74	<a href="#">d1wdda1</a>	Alignment	not modelled	24.1	13	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
75	<a href="#">c1bf2A</a>	Alignment	not modelled	22.8	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> isoamylase; <b>PDBTitle:</b> structure of <i>pseudomonas</i> isoamylase
76	<a href="#">d1gxha</a>	Alignment	not modelled	22.7	33	<b>Fold:</b> Acyl carrier protein-like <b>Superfamily:</b> Colicin E immunity proteins <b>Family:</b> Colicin E immunity proteins
77	<a href="#">d1igwa</a>	Alignment	not modelled	22.3	24	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Phosphoenolpyruvate mutase/isocitrate lyase-like
78	<a href="#">d2a6na1</a>	Alignment	not modelled	21.8	9	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I aldolase
						<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> threonyl-tRNA synthetase;

79	<a href="#">c2hl2A_</a>	Alignment	not modelled	21.2	17	<b>PDBTitle:</b> crystal structure of the editing domain of threonyl-tRNA2 synthetase from pyrococcus abyssi in complex with an3 analog of seryladenylate <b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> tryptophan synthase alpha chain; <b>PDBTitle:</b> structural study of project id aq_1548 from aquifex aeolicus vf5
80	<a href="#">c2ekcA_</a>	Alignment	not modelled	21.2	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
81	<a href="#">d1g5aa2</a>	Alignment	not modelled	21.1	23	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> RuBisCo, C-terminal domain <b>Family:</b> RuBisCo, large subunit, C-terminal domain
82	<a href="#">d1rb1a1</a>	Alignment	not modelled	21.0	9	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydrodipicolinate synthase; <b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase from pseudomonas2 aeruginosa
83	<a href="#">c3noeA_</a>	Alignment	not modelled	20.9	18	<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
84	<a href="#">c1nvmG_</a>	Alignment	not modelled	20.4	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydrodipicolinate synthase; <b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase from campylobacter jejuni subsp. jejuni nctc 11168
85	<a href="#">c3lerA_</a>	Alignment	not modelled	20.3	13	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> uroporphyrinogen decarboxylase; <b>PDBTitle:</b> crystal structure of uroporphyrinogen decarboxylase from2 bacillus subtilis
86	<a href="#">c2infB_</a>	Alignment	not modelled	19.9	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
87	<a href="#">d1jdfa1</a>	Alignment	not modelled	19.8	23	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
88	<a href="#">d1yea1</a>	Alignment	not modelled	19.7	18	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Enolase C-terminal domain-like <b>Family:</b> D-glucarate dehydratase-like
89	<a href="#">c3cyvA_</a>	Alignment	not modelled	19.4	15	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> uroporphyrinogen decarboxylase; <b>PDBTitle:</b> crystal structure of uroporphyrinogen decarboxylase from2 shigella flexineri: new insights into its catalytic3 mechanism
90	<a href="#">c3c6cA_</a>	Alignment	not modelled	19.3	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-keto-5-aminohexanoate cleavage enzyme; <b>PDBTitle:</b> crystal structure of a putative 3-keto-5-aminohexanoate cleavage2 enzyme (reut_c6226) from ralstonia eutropha jmp134 at 1.72 a3 resolution
91	<a href="#">c2ze0A_</a>	Alignment	not modelled	19.2	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-glucosidase; <b>PDBTitle:</b> alpha-glucosidase gsj
92	<a href="#">d1oyaa_</a>	Alignment	not modelled	19.1	24	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> FMN-linked oxidoreductases <b>Family:</b> FMN-linked oxidoreductases
93	<a href="#">c3eegB_</a>	Alignment	not modelled	19.0	18	<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
94	<a href="#">c3chvA_</a>	Alignment	not modelled	18.8	10	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> prokaryotic domain of unknown function (duf849) with a tim <b>PDBTitle:</b> crystal structure of a prokaryotic domain of unknown function (duf849)2 member (spoA0042) from silicibacter pomeroyi dss-3 at 1.45 a3 resolution
95	<a href="#">d2gipa2</a>	Alignment	not modelled	18.4	8	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
96	<a href="#">c2y7eA_</a>	Alignment	not modelled	18.2	12	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 3-keto-5-aminohexanoate cleavage enzyme; <b>PDBTitle:</b> crystal structure of the 3-keto-5-aminohexanoate cleavage enzyme2 (kce) from candidatus cloacamonas acidaminovorans (tetragonal form)
97	<a href="#">d1ua7a2</a>	Alignment	not modelled	17.8	12	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
98	<a href="#">c3ewbX_</a>	Alignment	not modelled	17.5	18	<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
99	<a href="#">d1vja_</a>	Alignment	not modelled	16.9	24	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> FMN-linked oxidoreductases <b>Family:</b> FMN-linked oxidoreductases