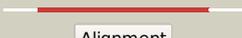
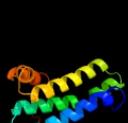
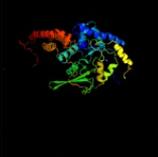
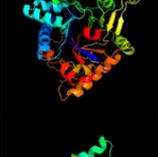
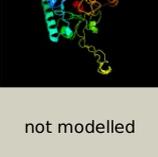


# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3031 (-) _3389933_3391513
Date	Thu Aug 8 16:20:20 BST 2019
Unique Job ID	af6db7c5af38b62c

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3n92A_</a>	 Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-amylase, gh57 family; <b>PDBTitle:</b> crystal structure of tk1436, a gh57 branching enzyme from 2 hyperthermophilic archaeon thermococcus kodakaraensis, in complex3 with glucose
2	<a href="#">c5wu7A_</a>	 Alignment		100.0	31	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of gh57-type branching enzyme from hyperthermophilic2 archaeon pyrococcus horikoshii
3	<a href="#">c2b5dX_</a>	 Alignment		100.0	26	<b>PDB header:</b> hydrolase <b>Chain:</b> X: <b>PDB Molecule:</b> alpha-amylase; <b>PDBTitle:</b> crystal structure of the novel alpha-amylase amyc from thermotoga2 maritima
4	<a href="#">c1ufaA_</a>	 Alignment		100.0	33	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> tt1467 protein; <b>PDBTitle:</b> crystal structure of tt1467 from thermus thermophilus hb8
5	<a href="#">d2b5dx2</a>	 Alignment		100.0	26	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> AmyC N-terminal domain-like
6	<a href="#">d1ufaa2</a>	 Alignment		100.0	34	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> AmyC N-terminal domain-like
7	<a href="#">c1k1yA_</a>	 Alignment		100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 4-alpha-glucanotransferase; <b>PDBTitle:</b> crystal structure of thermococcus litoralis 4-alpha-glucanotransferase2 complexed with acarbose
8	<a href="#">d1k1xa3</a>	 Alignment		100.0	22	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> 4-alpha-glucanotransferase, N-terminal domain
9	<a href="#">d2b5dx1</a>	 Alignment		100.0	23	<b>Fold:</b> immunoglobulin/albumin-binding domain-like <b>Superfamily:</b> Families 57/38 glycoside transferase middle domain <b>Family:</b> AmyC C-terminal domain-like
10	<a href="#">d1ufaa1</a>	 Alignment		100.0	28	<b>Fold:</b> immunoglobulin/albumin-binding domain-like <b>Superfamily:</b> Families 57/38 glycoside transferase middle domain <b>Family:</b> AmyC C-terminal domain-like
11	<a href="#">c1htyA_</a>	 Alignment		99.9	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-mannosidase ii; <b>PDBTitle:</b> golgi alpha-mannosidase ii

12	<a href="#">c2ow7A_</a>	Alignment		99.9	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-mannosidase 2; <b>PDBTitle:</b> golgi alpha-mannosidase ii complex with (1r,6s,7r,8s)-1-2 thioniabicyclo[4.3.0]nonan-7,8-diol chloride
13	<a href="#">c2wyhA_</a>	Alignment		99.9	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-mannosidase; <b>PDBTitle:</b> structure of the streptococcus pyogenes family gh38 alpha-2 mannosidase
14	<a href="#">c6b9pA_</a>	Alignment		99.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-mannosidase from canavalia ensiformis (jack bean); <b>PDBTitle:</b> structure of gh 38 jack bean alpha-mannosidase in complex with a 36-2 valent iminosugar cluster inhibitor
15	<a href="#">c5jm0A_</a>	Alignment		99.9	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-mannosidase,alpha-mannosidase,alpha-mannosidase; <b>PDBTitle:</b> structure of the s. cerevisiae alpha-mannosidase 1
16	<a href="#">c3lvtA_</a>	Alignment		99.8	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> glycosyl hydrolase, family 38; <b>PDBTitle:</b> the crystal structure of a protein in the glycosyl hydrolase family 382 from enterococcus faecalis to 2.55a
17	<a href="#">d3bvua3</a>	Alignment		99.7	15	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> alpha-mannosidase
18	<a href="#">c1o7dA_</a>	Alignment		99.4	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lysosomal alpha-mannosidase; <b>PDBTitle:</b> the structure of the bovine lysosomal a-mannosidase suggests a novel2 mechanism for low ph activation
19	<a href="#">c4cmrB_</a>	Alignment		99.2	22	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> glycosyl hydrolase/deacetylase family protein; <b>PDBTitle:</b> the crystal structure of novel exo-type maltose-forming2 amylase(py04_0872) from pyrococcus sp. st04
20	<a href="#">c3qbuD_</a>	Alignment		99.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of putative peptidoglycan deactylase (hp0310) from2 helicobacter pylori
21	<a href="#">c3rxzA_</a>	Alignment	not modelled	98.9	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> polysaccharide deacetylase; <b>PDBTitle:</b> crystal structure of putative polysaccharide deacetylase from2 mycobacterium smegmatis
22	<a href="#">c3s6oD_</a>	Alignment	not modelled	98.6	16	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> polysaccharide deacetylase family protein; <b>PDBTitle:</b> crystal structure of a polysaccharide deacetylase family protein from2 burkholderia pseudomallei
23	<a href="#">d1z7aa1</a>	Alignment	not modelled	98.5	12	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> PA1517-like
24	<a href="#">c1w17A_</a>	Alignment	not modelled	98.4	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> probable polysaccharide deacetylase pdaa; <b>PDBTitle:</b> structure of bacillus subtilis pdaa, a family 4 carbohydrate esterase.
25	<a href="#">c2y8uA_</a>	Alignment	not modelled	98.4	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> chitin deacetylase; <b>PDBTitle:</b> a. nidulans chitin deacetylase
26	<a href="#">c4m1bA_</a>	Alignment	not modelled	98.3	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> polysaccharide deacetylase; <b>PDBTitle:</b> structural determination of ba0150, a polysaccharide deacetylase from2 bacillus anthracis
27	<a href="#">d2j13a1</a>	Alignment	not modelled	98.3	16	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> NodB-like polysaccharide deacetylase
28	<a href="#">c2vyoA_</a>	Alignment	not modelled	98.2	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> polysaccharide deacetylase domain-containing protein <b>PDBTitle:</b> chitin deacetylase family member from encephalitozoon

						cuniculi
29	<a href="#">d2c1ia1</a>	Alignment	not modelled	98.2	14	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> NodB-like polysaccharide deacetylase
30	<a href="#">d2iw0a1</a>	Alignment	not modelled	98.2	17	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> NodB-like polysaccharide deacetylase
31	<a href="#">d1ny1a_</a>	Alignment	not modelled	98.2	12	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> NodB-like polysaccharide deacetylase
32	<a href="#">c4l1gB_</a>	Alignment	not modelled	98.2	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> peptidoglycan n-acetylglucosamine deacetylase; <b>PDBTitle:</b> crystal structure of the bc1960 peptidoglycan n-acetylglucosamine2 deacetylase from bacillus cereus
33	<a href="#">c2iw0A_</a>	Alignment	not modelled	98.1	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> chitin deacetylase; <b>PDBTitle:</b> structure of the chitin deacetylase from the fungal2 pathogen colletotrichum lindemuthianum
34	<a href="#">c2c1ia_</a>	Alignment	not modelled	98.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> peptidoglycan glcnac deacetylase; <b>PDBTitle:</b> structure of streptococcus pneumoniae peptidoglycan deacetylase2 (sppgda) d 275 n mutant.
35	<a href="#">c4wcjA_</a>	Alignment	not modelled	97.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> polysaccharide deacetylase; <b>PDBTitle:</b> structure of icab from ammonifex degensii
36	<a href="#">c5lqcA_</a>	Alignment	not modelled	97.9	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> arce4a; <b>PDBTitle:</b> t48 deacetylase with substrate
37	<a href="#">c6dq3B_</a>	Alignment	not modelled	97.9	12	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> polysaccharide deacetylase; <b>PDBTitle:</b> streptococcus pyogenes deacetylase pdi in complex with acetate
38	<a href="#">d2cc0a1</a>	Alignment	not modelled	97.8	16	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> NodB-like polysaccharide deacetylase
39	<a href="#">c4f9dA_</a>	Alignment	not modelled	97.8	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> poly-beta-1,6-n-acetyl-d-glucosamine n-deacetylase; <b>PDBTitle:</b> structure of escherichia coli pgab 42-655 in complex with nickel
40	<a href="#">d3bvua1</a>	Alignment	not modelled	97.7	13	<b>Fold:</b> immunoglobulin/albumin-binding domain-like <b>Superfamily:</b> Families 57/38 glycoside transferase middle domain <b>Family:</b> alpha-mannosidase, domain 2
41	<a href="#">d2c71a1</a>	Alignment	not modelled	97.7	18	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> NodB-like polysaccharide deacetylase
42	<a href="#">c5bu6B_</a>	Alignment	not modelled	97.6	20	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> bpsb (pgab), poly-beta-1,6-n-acetyl-d-glucosamine n- <b>PDBTitle:</b> structure of bpsb deacetylase domain from bordetella bronchiseptica
43	<a href="#">c6go1A_</a>	Alignment	not modelled	97.6	9	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> polysaccharide deacetylase-like protein; <b>PDBTitle:</b> crystal structure of a bacillus anthracis peptidoglycan deacetylase
44	<a href="#">c4u10B_</a>	Alignment	not modelled	97.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> poly-beta-1,6-n-acetyl-d-glucosamine n-deacetylase; <b>PDBTitle:</b> probing the structure and mechanism of de-n-acetylase from2 aggregatibacter actinomycetemcomitans
45	<a href="#">c5ncdA_</a>	Alignment	not modelled	97.3	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> peptidoglycan n-acetylglucosamine deacetylase; <b>PDBTitle:</b> crystal structure of the polysaccharide deacetylase bc1974 from2 bacillus cereus in complex with (2s)-2-amino-5-3 (diaminomethylideneamino)-n-hydroxypentanamide
46	<a href="#">c4hd5A_</a>	Alignment	not modelled	97.2	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> polysaccharide deacetylase; <b>PDBTitle:</b> crystal structure of bc0361, a polysaccharide deacetylase from2 bacillus cereus
47	<a href="#">c5znsA_</a>	Alignment	not modelled	96.6	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> chitin deacetylase; <b>PDBTitle:</b> insect chitin deacetylase
48	<a href="#">c5z34A_</a>	Alignment	not modelled	96.6	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> chitin deacetylase; <b>PDBTitle:</b> the structure of a chitin deacetylase from bombyx mori provide the2 first insight into insect chitin deacetylation mechanism
49	<a href="#">c5jp6A_</a>	Alignment	not modelled	95.0	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative polysaccharide deacetylase; <b>PDBTitle:</b> bdellovibrio bacteriovorus peptidoglycan deacetylase bd3279
50	<a href="#">d1k1xa1</a>	Alignment	not modelled	94.6	15	<b>Fold:</b> immunoglobulin/albumin-binding domain-like <b>Superfamily:</b> Families 57/38 glycoside transferase middle domain <b>Family:</b> 4-alpha-glucanotransferase, domain 2
51	<a href="#">c2w3zA_</a>	Alignment	not modelled	94.6	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative deacetylase; <b>PDBTitle:</b> structure of a streptococcus mutans ce4 esterase
52	<a href="#">c4nz3A_</a>	Alignment	not modelled	92.3	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> deacetylase da1; <b>PDBTitle:</b> structure of vibrio cholerae chitin de-n-acetylase in complex with2 di(n-acetyl-d-glucosamine) (cbs) in p 21 21 21
53	<a href="#">d2nlva1</a>	Alignment	not modelled	91.3	13	<b>Fold:</b> 7-stranded beta/alpha barrel <b>Superfamily:</b> Glycoside hydrolase/deacetylase <b>Family:</b> Divergent polysaccharide deacetylase

54	<a href="#">c2vldA</a>	Alignment	not modelled	81.7	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> endonuclease nucs; <b>PDBTitle:</b> crystal structure of a repair endonuclease from pyrococcus abyssi
55	<a href="#">c5gkeB</a>	Alignment	not modelled	70.7	10	<b>PDB header:</b> hydrolase/dna <b>Chain:</b> B: <b>PDB Molecule:</b> endonuclease endoms; <b>PDBTitle:</b> structure of endoms-dsdna1 complex
56	<a href="#">c1o7dB</a>	Alignment	not modelled	69.7	10	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> lysosomal alpha-mannosidase; <b>PDBTitle:</b> the structure of the bovine lysosomal a-mannosidase suggests a novel2 mechanism for low ph activation
57	<a href="#">c2vwtA</a>	Alignment	not modelled	69.4	24	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> yfau, 2-keto-3-deoxy sugar aldolase; <b>PDBTitle:</b> crystal structure of yfau, a metal ion dependent class ii2 aldolase from escherichia coli k12 - mg-pyruvate product3 complex
58	<a href="#">c2v5jB</a>	Alignment	not modelled	62.2	21	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolase; <b>PDBTitle:</b> apo class ii aldolase hpch
59	<a href="#">d1dxea</a>	Alignment	not modelled	61.1	21	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Hpch/Hpal aldolase
60	<a href="#">d1wuua1</a>	Alignment	not modelled	60.4	14	<b>Fold:</b> Ribosomal protein S5 domain 2-like <b>Superfamily:</b> Ribosomal protein S5 domain 2-like <b>Family:</b> GHMP Kinase, N-terminal domain
61	<a href="#">c6r62A</a>	Alignment	not modelled	57.7	9	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> hpch/hpai aldolase; <b>PDBTitle:</b> crystal structure of a class ii pyruvate aldolase from sphingomonas2 wittichii rw1 in complex with hydroxypyruvate
62	<a href="#">c4zrxA</a>	Alignment	not modelled	54.1	11	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> f5/8 type c domain protein; <b>PDBTitle:</b> crystal structure of a putative alpha-l-fucosidase (bacova_04357) from2 bacteroides ovatus atcc 8483 at 1.59 a resolution
63	<a href="#">c5gtxA</a>	Alignment	not modelled	47.3	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> buckwheat glutaredoxin; <b>PDBTitle:</b> crystal structure of mutated buckwheat glutaredoxin
64	<a href="#">c4tv6A</a>	Alignment	not modelled	45.7	23	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> 2-dehydro-3-deoxyglucarate aldolase; <b>PDBTitle:</b> crystal structure of citrate synthase variant sbng e151q
65	<a href="#">c4f5yA</a>	Alignment	not modelled	44.4	12	<b>PDB header:</b> immune system <b>Chain:</b> A: <b>PDB Molecule:</b> transmembrane protein 173; <b>PDBTitle:</b> crystal structure of human sting ctd complex with c-di-gmp
66	<a href="#">c3ff4A</a>	Alignment	not modelled	44.3	15	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of uncharacterized protein chu_1412
67	<a href="#">d1izca</a>	Alignment	not modelled	43.4	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain <b>Family:</b> Hpch/Hpal aldolase
68	<a href="#">c1izcA</a>	Alignment	not modelled	43.4	16	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> macrophomate synthase intermolecular diels-alderase; <b>PDBTitle:</b> crystal structure analysis of macrophomate synthase
69	<a href="#">c4b5sB</a>	Alignment	not modelled	41.3	19	<b>PDB header:</b> lyase <b>Chain:</b> B: <b>PDB Molecule:</b> 4-hydroxy-2-oxo-heptane-1,7-dioate aldolase; <b>PDBTitle:</b> crystal structures of divalent metal dependent pyruvate aldolase,2 hpai, in complex with pyruvate
70	<a href="#">c2ztbB</a>	Alignment	not modelled	37.2	18	<b>PDB header:</b> toxin <b>Chain:</b> B: <b>PDB Molecule:</b> crystal protein; <b>PDBTitle:</b> crystal structure of the parasporin-2 bacillus thuringiensis toxin2 that recognizes cancer cells
71	<a href="#">c4mf4F</a>	Alignment	not modelled	36.8	21	<b>PDB header:</b> lyase <b>Chain:</b> F: <b>PDB Molecule:</b> hpch/hpai aldolase/citrate lyase family protein; <b>PDBTitle:</b> crystal structure of a hpch/hpal aldolase/citrate lyase family protein2 from burkholderia cenocepacia j2315
72	<a href="#">d1r7ha</a>	Alignment	not modelled	35.3	22	<b>Fold:</b> Thioredoxin fold <b>Superfamily:</b> Thioredoxin-like <b>Family:</b> Thioltransferase
73	<a href="#">c4rl6A</a>	Alignment	not modelled	35.2	14	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> saccharopine dehydrogenase; <b>PDBTitle:</b> crystal structure of the q04103_strp2 protein from streptococcus2 pneumoniae. northeast structural genomics consortium target spr105
74	<a href="#">c1uasA</a>	Alignment	not modelled	34.2	26	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> alpha-galactosidase; <b>PDBTitle:</b> crystal structure of rice alpha-galactosidase
75	<a href="#">c2mxnA</a>	Alignment	not modelled	31.6	29	<b>PDB header:</b> protein binding <b>Chain:</b> A: <b>PDB Molecule:</b> mono-cysteine glutaredoxin; <b>PDBTitle:</b> nmr structure of the mature form of trypanosoma brucei 1cgrx1
76	<a href="#">c3zywB</a>	Alignment	not modelled	29.9	12	<b>PDB header:</b> metal binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> glutaredoxin-3; <b>PDBTitle:</b> crystal structure of the first glutaredoxin domain of human2 glutaredoxin 3 (glrx3)
77	<a href="#">d1r46a2</a>	Alignment	not modelled	29.4	29	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
78	<a href="#">c4mfkA</a>	Alignment	not modelled	28.8	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein tcp24; <b>PDBTitle:</b> the crystal structure of acyltransferase in complex with decanoyl-coa
						<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> saccharopine dehydrogenase;

79	<a href="#">c4inaA_</a>	Alignment	not modelled	28.6	12	<b>PDBTitle:</b> crystal structure of the q7mss8_wolsu protein from wolinnella2 succinogenes. northeast structural genomics consortium target wsr35
80	<a href="#">c3qz6A_</a>	Alignment	not modelled	26.6	29	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> hpch/hpai aldolase; <b>PDBTitle:</b> the crystal structure of hpch/hpai aldolase from desulfotobacterium2 hafniense dcb-2
81	<a href="#">c1ykaA_</a>	Alignment	not modelled	25.9	21	<b>PDB header:</b> electron transport <b>Chain:</b> A: <b>PDB Molecule:</b> monothiol glutaredoxin ydhd; <b>PDBTitle:</b> solution structure of grx4, a monothiol glutaredoxin from2 e. coli.
82	<a href="#">c5zv1B_</a>	Alignment	not modelled	25.9	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> glutaredoxin; <b>PDBTitle:</b> crystal structure of wheat glutarredoxin
83	<a href="#">c2e7pC_</a>	Alignment	not modelled	25.2	19	<b>PDB header:</b> electron transport <b>Chain:</b> C: <b>PDB Molecule:</b> glutaredoxin; <b>PDBTitle:</b> crystal structure of the holo form of glutaredoxin c1 from populus2 tremula x tremuloides
84	<a href="#">c4tr1A_</a>	Alignment	not modelled	23.4	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> glutaredoxin 3; <b>PDBTitle:</b> crystal structure of gsh-bound cgrx2/c15s
85	<a href="#">c3mo4B_</a>	Alignment	not modelled	23.3	12	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> alpha-1,3/4-fucosidase; <b>PDBTitle:</b> the crystal structure of an alpha-(1-3,4)-fucosidase from2 bifidobacterium longum subsp. infantis atcc 15697
86	<a href="#">d2d59a1</a>	Alignment	not modelled	22.9	12	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> CoA-binding domain
87	<a href="#">c3qmxA_</a>	Alignment	not modelled	22.3	11	<b>PDB header:</b> electron transport <b>Chain:</b> A: <b>PDB Molecule:</b> glutaredoxin a; <b>PDBTitle:</b> x-ray crystal structure of synechocystis sp. pcc 6803 glutaredoxin a
88	<a href="#">c5lnfA_</a>	Alignment	not modelled	21.2	15	<b>PDB header:</b> chaperone <b>Chain:</b> A: <b>PDB Molecule:</b> peroxisomal biogenesis factor 19; <b>PDBTitle:</b> solution nmr structure of farnesylated pex19, c-terminal domain
89	<a href="#">c2lqoA_</a>	Alignment	not modelled	21.2	15	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative glutaredoxin rv3198.1/mt3292; <b>PDBTitle:</b> mrx1 reduced
90	<a href="#">d1iuka_</a>	Alignment	not modelled	20.3	22	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> CoA-binding domain
91	<a href="#">c5y4uA_</a>	Alignment	not modelled	19.4	13	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> monothiol glutaredoxin-3; <b>PDBTitle:</b> crystal structure of grx domain of grx3 from saccharomyces cerevisiae
92	<a href="#">c1o7dC_</a>	Alignment	not modelled	19.3	5	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> lysosomal alpha-mannosidase; <b>PDBTitle:</b> the structure of the bovine lysosomal a-mannosidase suggests a novel2 mechanism for low ph activation
93	<a href="#">d1rbli_</a>	Alignment	not modelled	19.2	13	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
94	<a href="#">c3z1jA_</a>	Alignment	not modelled	18.9	15	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> thioredoxin; <b>PDBTitle:</b> crystal structure of the thioredoxin-like protein bc3987
95	<a href="#">c2ybvN_</a>	Alignment	not modelled	18.0	9	<b>PDB header:</b> lyase <b>Chain:</b> N: <b>PDB Molecule:</b> ribulose bisphosphate carboxylase small subunit; <b>PDBTitle:</b> structure of rubisco from thermosynechococcus elongatus
96	<a href="#">d1wdds_</a>	Alignment	not modelled	17.6	14	<b>Fold:</b> RuBisCO, small subunit <b>Superfamily:</b> RuBisCO, small subunit <b>Family:</b> RuBisCO, small subunit
97	<a href="#">c5bq9B_</a>	Alignment	not modelled	17.5	36	<b>PDB header:</b> unknown function, structural genomics <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of uncharacterized protein lpg1496 legionella2 pneumophila subsp. pneumophila
98	<a href="#">c2duwA_</a>	Alignment	not modelled	17.3	23	<b>PDB header:</b> ligand binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative coa-binding protein; <b>PDBTitle:</b> solution structure of putative coa-binding protein of2 klebsiella pneumoniae
99	<a href="#">c2y48B_</a>	Alignment	not modelled	17.3	30	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> rest corepressor 1; <b>PDBTitle:</b> crystal structure of lsd1-corest in complex with a n-2 terminal snail peptide