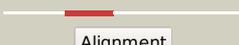
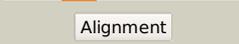


# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0152c_(PE2)_179317_180894
Date	Tue Jul 23 14:50:19 BST 2019
Unique Job ID	d5cd724edb3a6dae

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3ajaA_</a>	 Alignment		99.9	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of msmeg_6394
2	<a href="#">d1qoza_</a>	 Alignment		99.3	16	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Cutinase-like
3	<a href="#">c3hc7A_</a>	 Alignment		99.3	20	<b>PDB header:</b> cell adhesion <b>Chain:</b> A: <b>PDB Molecule:</b> gene 12 protein; <b>PDBTitle:</b> crystal structure of lysin b from mycobacteriophage d29
4	<a href="#">d1g66a_</a>	 Alignment		99.3	12	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Cutinase-like
5	<a href="#">c2czqB_</a>	 Alignment		99.1	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> cutinase-like protein; <b>PDBTitle:</b> a novel cutinase-like protein from cryptococcus sp.
6	<a href="#">c3dd5F_</a>	 Alignment		99.0	12	<b>PDB header:</b> hydrolase <b>Chain:</b> F: <b>PDB Molecule:</b> cutinase; <b>PDBTitle:</b> glomerella cingulata e600-cutinase complex
7	<a href="#">d1cexa_</a>	 Alignment		99.0	14	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Cutinase-like
8	<a href="#">c5x88A_</a>	 Alignment		98.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cutinase; <b>PDBTitle:</b> a crystal structure of cutinases from malbranchea cinnamomea
9	<a href="#">c3gbsA_</a>	 Alignment		98.8	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cutinase 1; <b>PDBTitle:</b> crystal structure of aspergillus oryzae cutinase
10	<a href="#">c4psdA_</a>	 Alignment		98.7	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> carbohydrate esterase family 5; <b>PDBTitle:</b> structure of trichoderma reesei cutinase native form.
11	<a href="#">c4oylC_</a>	 Alignment		98.6	12	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> cutinase; <b>PDBTitle:</b> humicola insolens cutinase in complex with monoethylphosphate

12	<a href="#">c5xfsA</a>	 Alignment		97.5	19	<b>PDB header:</b> protein transport <b>Chain:</b> A: <b>PDB Molecule:</b> pe family protein pe8; <b>PDBTitle:</b> crystal structure of pe8-ppe15 in complex with esp95 from m.2 tuberculosis
13	<a href="#">d2g38a1</a>	 Alignment		97.5	23	<b>Fold:</b> Ferritin-like <b>Superfamily:</b> PE/PPE dimer-like <b>Family:</b> PE
14	<a href="#">c2g38A</a>	 Alignment		97.5	23	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> pe family protein; <b>PDBTitle:</b> a pe/ppe protein complex from mycobacterium tuberculosis
15	<a href="#">c3icvA</a>	 Alignment		96.1	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipase b; <b>PDBTitle:</b> structural consequences of a circular permutation on lipase b from2 candida antarctica
16	<a href="#">d1tcaa</a>	 Alignment		94.6	20	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Fungal lipases
17	<a href="#">c5xavB</a>	 Alignment		94.2	14	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B: <b>PDB Molecule:</b> intracellular polyhydroxyalkanoate synthase; <b>PDBTitle:</b> structure of phac from chromobacterium sp. usm2
18	<a href="#">c5t6oA</a>	 Alignment		94.2	14	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> poly-beta-hydroxybuterate polymerase; <b>PDBTitle:</b> structure of the catalytic domain of the class i polyhydroxybutyrate2 synthase from cupriavidus necator
19	<a href="#">d1jmkc</a>	 Alignment		93.9	14	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Thioesterase domain of polypeptide, polyketide and fatty acid synthases
20	<a href="#">d1ei9a</a>	 Alignment		92.3	14	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Thioesterases
21	<a href="#">c3lp5A</a>	 Alignment	not modelled	90.4	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative cell surface hydrolase; <b>PDBTitle:</b> the crystal structure of the putative cell surface hydrolase from2 lactobacillus plantarum wcf51
22	<a href="#">c2q0xA</a>	 Alignment	not modelled	89.1	15	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> alpha/beta hydrolase fold protein of unknown function
23	<a href="#">d2h7xa1</a>	 Alignment	not modelled	88.6	20	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Thioesterase domain of polypeptide, polyketide and fatty acid synthases
24	<a href="#">c3ds8A</a>	 Alignment	not modelled	88.2	11	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> lin2722 protein; <b>PDBTitle:</b> the crystal structure of the gene lin2722 products from listeria2 innocua
25	<a href="#">d1mo2a</a>	 Alignment	not modelled	87.5	19	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Thioesterase domain of polypeptide, polyketide and fatty acid synthases
26	<a href="#">c1mo2A</a>	 Alignment	not modelled	87.5	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> erythronolide synthase, modules 5 and 6; <b>PDBTitle:</b> thioesterase domain from 6-deoxyerythronolide synthase (debs te), ph2 8.5
27	<a href="#">c2cbgA</a>	 Alignment	not modelled	87.3	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> fengycin synthetase; <b>PDBTitle:</b> crystal structure of the pmf-inhibited thioesterase domain of the2 fengycin biosynthesis cluster
28	<a href="#">c4qnnC</a>	 Alignment	not modelled	86.9	10	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> phospholipase a 1 from hornet(vespa basalis) venom; <b>PDBTitle:</b> crystal structure of phospholipase a 1 from hornet(vespa basalis)2 venom

29	<a href="#">c4xjvA</a>	Alignment	not modelled	85.7	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> s-acyl fatty acid synthase thioesterase, medium chain; <b>PDBTitle:</b> crystal structure of human thioesterase 2
30	<a href="#">c2h7xA</a>	Alignment	not modelled	84.9	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> type i polyketide synthase pikaiv; <b>PDBTitle:</b> pikromycin thioesterase adduct with reduced triketide2 affinity label
31	<a href="#">c5d8mA</a>	Alignment	not modelled	84.3	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> metagenomic carboxyl esterase mgs0156; <b>PDBTitle:</b> crystal structure of the metagenomic carboxyl esterase mgs0156
32	<a href="#">c2vsqA</a>	Alignment	not modelled	82.3	17	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> surfactin synthetase subunit 3; <b>PDBTitle:</b> structure of surfactin a synthetase c (srfa-c), a nonribosomal peptide2 synthetase termination module
33	<a href="#">c2zyiB</a>	Alignment	not modelled	80.3	20	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> lipase, putative; <b>PDBTitle:</b> a. fulgidus lipase with fatty acid fragment and calcium
34	<a href="#">c5f2hA</a>	Alignment	not modelled	80.0	14	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> 2.75 angstrom resolution crystal structure of uncharacterized protein2 from bacillus cereus atcc 10987
35	<a href="#">c3lcrA</a>	Alignment	not modelled	79.9	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> tautomycetin biosynthetic pks; <b>PDBTitle:</b> thioesterase from tautomycetin biosynthetic pathway
36	<a href="#">c4zxiA</a>	Alignment	not modelled	77.9	18	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> tyrocidine synthetase 3; <b>PDBTitle:</b> crystal structure of holo-ab3403 a four domain nonribosomal peptide2 synthetase bound to amp and glycine
37	<a href="#">c4x96B</a>	Alignment	not modelled	76.2	23	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphatidylcholine-sterol acyltransferase; <b>PDBTitle:</b> low resolution crystal structure of lecithin:cholesterol2 acyltransferase (lcat; residues 21-397)
38	<a href="#">c4x91C</a>	Alignment	not modelled	73.1	21	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> group xv phospholipase a2; <b>PDBTitle:</b> crystal structure of lysosomal phospholipase a2 in complex with2 isopropyl dodec-11-enylfluorophosphonate (idfp)
39	<a href="#">d3b5ea1</a>	Alignment	not modelled	72.0	12	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Carboxylesterase/thioesterase 1
40	<a href="#">d1xkta</a>	Alignment	not modelled	71.1	20	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Thioesterase domain of polypeptide, polyketide and fatty acid synthases
41	<a href="#">c6cl4A</a>	Alignment	not modelled	70.4	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipase c12; <b>PDBTitle:</b> lipc12 - lipase from metagenomics
42	<a href="#">c3og9A</a>	Alignment	not modelled	69.4	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> protein yahd a copper inducible hydrolase; <b>PDBTitle:</b> structure of yahd with malic acid
43	<a href="#">c2h1iA</a>	Alignment	not modelled	68.6	25	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> carboxylesterase; <b>PDBTitle:</b> crystal structure of the bacillus cereus carboxylesterase
44	<a href="#">d1uxoa</a>	Alignment	not modelled	67.4	9	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> YdeN-like
45	<a href="#">d1ispa</a>	Alignment	not modelled	67.3	13	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Bacterial lipase
46	<a href="#">d2h1ia1</a>	Alignment	not modelled	67.0	21	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Carboxylesterase/thioesterase 1
47	<a href="#">c4f21G</a>	Alignment	not modelled	65.6	29	<b>PDB header:</b> hydrolase/hydrolase inhibitor <b>Chain:</b> G: <b>PDB Molecule:</b> carboxylesterase/phospholipase family protein; <b>PDBTitle:</b> crystal structure of carboxylesterase/phospholipase family protein2 from francisella tularensis
48	<a href="#">c2veoA</a>	Alignment	not modelled	65.5	21	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipase a; <b>PDBTitle:</b> x-ray structure of candida antarctica lipase a in its closed state.
49	<a href="#">c3h2iA</a>	Alignment	not modelled	65.4	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> esterase; <b>PDBTitle:</b> crystal structure of n228w mutant of the rice cell wall2 degrading esterase lipa from xanthomonas oryzae
50	<a href="#">d2r8ba1</a>	Alignment	not modelled	63.8	14	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Carboxylesterase/thioesterase 1
51	<a href="#">d1lppb2</a>	Alignment	not modelled	61.6	17	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Pancreatic lipase, N-terminal domain
52	<a href="#">d1bu8a2</a>	Alignment	not modelled	57.7	15	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Pancreatic lipase, N-terminal domain
53	<a href="#">c2oryA</a>	Alignment	not modelled	55.7	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipase; <b>PDBTitle:</b> crystal structure of m37 lipase
54	<a href="#">c3p3dA</a>	Alignment	not modelled	55.4	26	<b>PDB header:</b> nuclear protein <b>Chain:</b> A: <b>PDB Molecule:</b> nucleoporin 53; <b>PDBTitle:</b> crystal structure of the nup53 rrm domain from pichia guilliermondii
55	<a href="#">c4b0cA</a>	Alignment	not modelled	55.2	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phospholipase/carboxylesterase;

55	<a href="#">c410cA_</a>	Alignment	not modelled	53.2	14	<b>PDBTitle:</b> crystal structure of phospholipase/carboxylesterase from dyadobacter2 fermentans dsm 18053 <b>PDB header:</b> structural genomics, unknown function
56	<a href="#">c2r8bA_</a>	Alignment	not modelled	54.6	15	<b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein atu2452; <b>PDBTitle:</b> the crystal structure of the protein atu2452 of unknown function from2 agrobacterium tumefaciens str. c58
57	<a href="#">c2vtvA_</a>	Alignment	not modelled	54.4	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phb depolymerase phaz7; <b>PDBTitle:</b> phaz7 depolymerase from paucimonas lemoignei
58	<a href="#">d1gp1a2</a>	Alignment	not modelled	54.2	20	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Pancreatic lipase, N-terminal domain
59	<a href="#">c4gw3A_</a>	Alignment	not modelled	53.9	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative lipase; <b>PDBTitle:</b> crystal structure of the lipase from proteus mirabilis
60	<a href="#">c4fleA_</a>	Alignment	not modelled	53.0	22	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> esterase; <b>PDBTitle:</b> crystal structure of the esterase yqia (ye3661) from yersinia2 enterocolitica, northeast structural genomics consortium target yer85
61	<a href="#">d1etha2</a>	Alignment	not modelled	51.8	18	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Pancreatic lipase, N-terminal domain
62	<a href="#">c4z8zA_</a>	Alignment	not modelled	50.9	7	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of the hypothetical protein from ruminiclostridium2 thermocellum atcc 27405
63	<a href="#">c4nfvB_</a>	Alignment	not modelled	50.5	19	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> senescence-associated carboxylesterase 101; <b>PDBTitle:</b> structure of the central plant immunity signaling node eds1 in complex2 with its interaction partner sag101
64	<a href="#">c4eziA_</a>	Alignment	not modelled	50.3	9	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of a putative hydrolase (lpg1103) from legionella2 pneumophila subsp. pneumophila str. philadelphia 1 at 1.15 a3 resolution
65	<a href="#">c5uazB_</a>	Alignment	not modelled	49.7	30	<b>PDB header:</b> protein transport <b>Chain:</b> B: <b>PDB Molecule:</b> nucleoporin nup53; <b>PDBTitle:</b> crystal structure of the yeast nucleoporin
66	<a href="#">c2qjwA_</a>	Alignment	not modelled	48.8	21	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein xcc1541; <b>PDBTitle:</b> crystal structure of a putative hydrolase of the alpha/beta2 superfamily (xcc1541) from xanthomonas campestris pv. campestris at3 1.35 a resolution
67	<a href="#">d1cv1a_</a>	Alignment	not modelled	48.5	20	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Bacterial lipase
68	<a href="#">c6gupB_</a>	Alignment	not modelled	47.6	12	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> siderophore biosynthesis lipase/esterase, putative; <b>PDBTitle:</b> siderophore hydrolase estb from aspergillus fumigatus
69	<a href="#">c3qmwD_</a>	Alignment	not modelled	44.9	20	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> thioesterase; <b>PDBTitle:</b> redj with peg molecule bound in the active site
70	<a href="#">c5h3bA_</a>	Alignment	not modelled	44.7	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein hi_1552; <b>PDBTitle:</b> crystal structure of semet-biog from haemophilus influenzae at 1.492 angstroms resolution
71	<a href="#">c3fleB_</a>	Alignment	not modelled	44.6	5	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> se_1780 protein; <b>PDBTitle:</b> se_1780 protein of unknown function from staphylococcus epidermidis.
72	<a href="#">c2h1hB_</a>	Alignment	not modelled	43.4	23	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> lipase 46 kda form; <b>PDBTitle:</b> crystal structure of staphylococcus hyicus lipase
73	<a href="#">d1rp1a2</a>	Alignment	not modelled	42.5	16	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Pancreatic lipase, N-terminal domain
74	<a href="#">c2m4mA_</a>	Alignment	not modelled	42.3	30	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein; <b>PDBTitle:</b> solution structure of the rrm domain of the hypothetical protein2 cagl0m09691g from candida glabrata
75	<a href="#">d1thga_</a>	Alignment	not modelled	40.1	29	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Fungal lipases
76	<a href="#">d4lipd_</a>	Alignment	not modelled	39.5	20	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Bacterial lipase
77	<a href="#">c6qppA_</a>	Alignment	not modelled	39.4	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipase; <b>PDBTitle:</b> rhizomucor miehei lipase propeptide complex, native
78	<a href="#">d1hpl1a2</a>	Alignment	not modelled	38.4	15	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Pancreatic lipase, N-terminal domain
79	<a href="#">d3tgl1a_</a>	Alignment	not modelled	36.9	16	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Fungal lipases
80	<a href="#">c3flaB_</a>	Alignment	not modelled	36.8	23	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> rifr; <b>PDBTitle:</b> rifr - type ii thioesterase from rifamycin nrps/pks biosynthetic2 pathway - form 1 <b>PDB header:</b> hydrolase

81	<a href="#">c3bdvB_</a>	Alignment	not modelled	35.1	30	<b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein duf1234; <b>PDBTitle:</b> crystal structure of a putative yden-like hydrolase (eca3091) from2 pectobacterium atrosepticum scri1043 at 1.66 a resolution
82	<a href="#">d1tiaa_</a>	Alignment	not modelled	33.3	12	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Fungal lipases
83	<a href="#">c2y6vB_</a>	Alignment	not modelled	32.8	18	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> peroxisomal membrane protein lpx1; <b>PDBTitle:</b> peroxisomal alpha-beta-hydrolase lpx1 (yor084w) from saccharomyces2 cerevisiae (crystal form i)
84	<a href="#">c4r1dA_</a>	Alignment	not modelled	31.8	19	<b>PDB header:</b> hydrolase/hydrolase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> the crystal structure of tle4-tli4 complex
85	<a href="#">c5xk2A_</a>	Alignment	not modelled	31.5	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> diacylglycerol lipase; <b>PDBTitle:</b> crystal structure of mono- and diacylglycerol lipase from aspergillus2 oryzae
86	<a href="#">c5gw8A_</a>	Alignment	not modelled	31.1	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical secretory lipase (family 3); <b>PDBTitle:</b> crystal structure of a putative dag-like lipase (mgmdl2) from2 malassezia globosa
87	<a href="#">c2pvsB_</a>	Alignment	not modelled	31.1	26	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> pancreatic lipase-related protein 2; <b>PDBTitle:</b> structure of human pancreatic lipase related protein 22 mutant n336q
88	<a href="#">c3ilsA_</a>	Alignment	not modelled	30.6	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> afatoxin biosynthesis polyketide synthase; <b>PDBTitle:</b> the thioesterase domain from pksa
89	<a href="#">c4o5pB_</a>	Alignment	not modelled	28.3	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of an uncharacterized protein from pseudomonas2 aeruginosa
90	<a href="#">d1ex9a_</a>	Alignment	not modelled	27.9	16	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Bacterial lipase
91	<a href="#">d1lghb_</a>	Alignment	not modelled	27.5	20	<b>Fold:</b> Light-harvesting complex subunits <b>Superfamily:</b> Light-harvesting complex subunits <b>Family:</b> Light-harvesting complex subunits
92	<a href="#">c5ja2A_</a>	Alignment	not modelled	26.5	13	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> enterobactin synthase component f; <b>PDBTitle:</b> entf, a terminal nonribosomal peptide synthetase module bound to the2 non-native mbth-like protein pa2412
93	<a href="#">c5d6oB_</a>	Alignment	not modelled	25.3	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> homoserine o-acetyltransferase; <b>PDBTitle:</b> orthorhombic crystal structure of an acetyler hydrolase from2 corynebacterium glutamicum
94	<a href="#">c4qwwA_</a>	Alignment	not modelled	25.0	42	<b>PDB header:</b> hydrolase/immune system <b>Chain:</b> A: <b>PDB Molecule:</b> acetylcholinesterase; <b>PDBTitle:</b> crystal structure of the fab410-bfache complex
95	<a href="#">c5ugzA_</a>	Alignment	not modelled	24.9	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative thioesterase; <b>PDBTitle:</b> crystal structure of clbq from the colibactin nrps/pks pathway
96	<a href="#">c1gplA_</a>	Alignment	not modelled	23.7	21	<b>PDB header:</b> serine esterase <b>Chain:</b> A: <b>PDB Molecule:</b> rp2 lipase; <b>PDBTitle:</b> rp2 lipase
97	<a href="#">d2ha2a1</a>	Alignment	not modelled	23.5	32	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Acetylcholinesterase-like
98	<a href="#">c1qgeD_</a>	Alignment	not modelled	23.5	19	<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
99	<a href="#">c3g7nA_</a>	Alignment	not modelled	23.1	8	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lipase; <b>PDBTitle:</b> crystal structure of a triacylglycerol lipase from penicillium2 expansum at 1.3
100	<a href="#">d1dx4a_</a>	Alignment	not modelled	22.7	21	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Acetylcholinesterase-like
101	<a href="#">d1pjaa_</a>	Alignment	not modelled	22.5	10	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Thioesterases
102	<a href="#">c1pjaA_</a>	Alignment	not modelled	22.5	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> palmitoyl-protein thioesterase 2 precursor; <b>PDBTitle:</b> the crystal structure of palmitoyl protein thioesterase-2 reveals the2 basis for divergent substrate specificities of the two lysosomal3 thioesterases (ppt1 and ppt2)
103	<a href="#">c3uuuA_</a>	Alignment	not modelled	22.3	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> lip1, secretory lipase (family 3); <b>PDBTitle:</b> crystal structure of mono- and diacylglycerol lipase from malassezia2 globosa
104	<a href="#">c2w6cX_</a>	Alignment	not modelled	20.9	26	<b>PDB header:</b> hydrolase <b>Chain:</b> X: <b>PDB Molecule:</b> acetylcholinesterase; <b>PDBTitle:</b> ache in complex with a bis(-)-nor-meptazinol derivative
105	<a href="#">c3fkeB_</a>	Alignment	not modelled	20.9	38	<b>PDB header:</b> rna binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> polymerase cofactor vp35; <b>PDBTitle:</b> structure of the ebola vp35 interferon inhibitory domain
106	<a href="#">c5w8pA_</a>	Alignment	not modelled	20.5	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> homoserine o-acetyltransferase; <b>PDBTitle:</b> homoserine transacetylase meta from mycobacterium abscessus
						<b>PDB header:</b> hydrolase

107	<a href="#">c2pplA_</a>	Alignment	not modelled	20.3	19	<b>Chain:</b> A: <b>PDB Molecule:</b> pancreatic lipase-related protein 1; <b>PDBTitle:</b> human pancreatic lipase-related protein 1
108	<a href="#">c1hplB_</a>	Alignment	not modelled	20.3	16	<b>PDB header:</b> hydrolase(carboxylic esterase) <b>Chain:</b> B: <b>PDB Molecule:</b> lipase; <b>PDBTitle:</b> horse pancreatic lipase. the crystal structure at 2.3 angstroms2 resolution