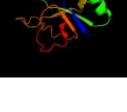


# Phyre<sup>2</sup>

Email	I.a.kelley@imperial.ac.uk
Description	P0AE22
Date	Thu Jan 5 11:22:16 GMT 2012
Unique Job ID	cb2d8fa8d9410efd

Detailed template information

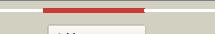
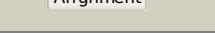
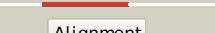
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1z5ga1	Alignment		100.0	90	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Class B acid phosphatase, AphA
2	d2b82a1	Alignment		100.0	100	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Class B acid phosphatase, AphA
3	c2i34B_	Alignment		100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> acid phosphatase; <b>PDBTitle:</b> the crystal structure of class c acid phosphatase from bacillus2 anthracis with tungstate bound
4	c3pctA_	Alignment		100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> class c acid phosphatase; <b>PDBTitle:</b> structure of the class c acid phosphatase from pasteurella multocida
5	c3et4A_	Alignment		100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> outer membrane protein p4, nadp phosphatase; <b>PDBTitle:</b> structure of recombinant haemophilus influenzae e(p4) acid phosphatase
6	d1ltqa1	Alignment		99.7	17	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> phosphatase domain of polynucleotide kinase
7	c2ia5C_	Alignment		99.1	18	<b>PDB header:</b> transferase <b>Chain:</b> C; <b>PDB Molecule:</b> polynucleotide kinase; <b>PDBTitle:</b> t4 polynucleotide kinase/phosphatase with bound sulfate and2 magnesium.
8	d1u7pa_	Alignment		98.8	14	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Magnesium-dependent phosphatase-1, Mdp1
9	d1q92a_	Alignment		98.8	14	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> 5'(3')-deoxyribonucleotidase (dNT-2)
10	d2go7a1	Alignment		98.7	18	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
11	c2i7dB_	Alignment		98.7	18	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> 5'(3')-deoxyribonucleotidase, cytosolic type; <b>PDBTitle:</b> structure of human cytosolic deoxyribonucleotidase in2 complex with deoxyuridine, alf4 and mg2+

12	<a href="#">d1swva</a>			98.7	18	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Phosphonoacetaldehyde hydrolase-like
13	<a href="#">c3s6jC</a>			98.7	16	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> hydrolase, haloacid dehalogenase-like family; <b>PDBTitle:</b> the crystal structure of a hydrolase from pseudomonas syringae
14	<a href="#">c3iruA</a>			98.7	17	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> phoshonoacetaldehyde hydrolase like protein; <b>PDBTitle:</b> crystal structure of phoshonoacetaldehyde hydrolase like protein from2 oleispira antarctica
15	<a href="#">c3d6jA</a>			98.6	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative haloacid dehalogenase-like hydrolase; <b>PDBTitle:</b> crystal structure of putative haloacid dehalogenase-like hydrolase2 from bacteroides fragilis
16	<a href="#">c3l5ka</a>			98.6	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> haloacid dehalogenase-like hydrolase-domain- <b>PDBTitle:</b> the crystal structure of human haloacid dehalogenase-like2 hydrolase domain containing 1a (hdhd1a)
17	<a href="#">d1zd3a1</a>			98.6	17	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> YihX-like
18	<a href="#">d1zrna</a>			98.6	15	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> HAD-related
19	<a href="#">c2pkeA</a>			98.6	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> haloacid delahogenase-like family hydrolase; <b>PDBTitle:</b> crystal structure of haloacid delahogenase-like family hydrolase2 (np_639141.1) from xanthomonas campestris at 1.81 a resolution
20	<a href="#">c1cr6A</a>			98.6	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> epoxide hydrolase; <b>PDBTitle:</b> crystal structure of murine soluble epoxide hydrolase2 complexed with cpo inhibitor
21	<a href="#">c3ddhA</a>		not modelled	98.5	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative haloacid dehalogenase-like family hydrolase; <b>PDBTitle:</b> the structure of a putative haloacid dehalogenase-like family2 hydrolase from bacteroides thetaiotaomicron vpi-5482
22	<a href="#">c2om6A</a>		not modelled	98.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> probable phosphoserine phosphatase; <b>PDBTitle:</b> hypothetical protein (probable phosphoserine phosph (ph0253) from2 pyrococcus horikoshii ot3
23	<a href="#">c3mc1A</a>		not modelled	98.5	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> predicted phosphatase, had family; <b>PDBTitle:</b> crystal structure of a predicted phosphatase from2 clostridium acetobutylicum
24	<a href="#">c3ib6B</a>		not modelled	98.5	20	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of an uncharacterized protein from listeria2 monocytogenes serotype 4b
25	<a href="#">d1nnla</a>		not modelled	98.5	20	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Phosphoserine phosphatase
26	<a href="#">d1zs9a1</a>		not modelled	98.5	11	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Enolase-phosphatase E1
27	<a href="#">c2pibA</a>		not modelled	98.5	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphorylated carbohydrates phosphatase tm_1254; <b>PDBTitle:</b> crystal structure of putative beta-phosphoglucosidase from2 thermotoga maritima
28	<a href="#">c3m9IA</a>		not modelled	98.5	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hydrolase, haloacid dehalogenase-like family;

					<b>PDBTitle:</b> crystal structure of probable had family hydrolase from2 pseudomonas fluorescens pf-5
29	<a href="#">d1cr6a1</a>	Alignment	not modelled	98.4	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> YihX-like
30	<a href="#">c2q1tA</a>	Alignment	not modelled	98.4	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> (dl)-glycerol-3-phosphatase 1; <b>PDBTitle:</b> crystal structure of an isoform of dl-glycerol-3-phosphatase, rhr2p,2 from <i>saccharomyces cerevisiae</i>
31	<a href="#">d2f1a1</a>	Alignment	not modelled	98.4	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Phosphonoacetaldehyde hydrolase-like
32	<a href="#">d1te2a</a>	Alignment	not modelled	98.3	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
33	<a href="#">c3cnhA</a>	Alignment	not modelled	98.3	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hydrolase family protein; <b>PDBTitle:</b> crystal structure of predicted hydrolase of haloacid dehalogenase-like2 superfamily (np_295428.1) from <i>deinococcus radiodurans</i> at 1.66 a3 resolution
34	<a href="#">d2fpwa1</a>	Alignment	not modelled	98.3	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Histidinol phosphatase-like
35	<a href="#">c3l8hC</a>	Alignment	not modelled	98.3	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> putative haloacid dehalogenase-like hydrolase; <b>PDBTitle:</b> crystal structure of d,d-heptose 1,7-bisphosphate phosphatase from b.2 bronchiseptica complexed with magnesium and phosphate
36	<a href="#">c3kc2A</a>	Alignment	not modelled	98.3	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein ykr070w; <b>PDBTitle:</b> crystal structure of mitochondrial had-like phosphatase from2 <i>saccharomyces cerevisiae</i>
37	<a href="#">d2gmwa1</a>	Alignment	not modelled	98.3	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Histidinol phosphatase-like
38	<a href="#">c3nuqA</a>	Alignment	not modelled	98.3	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative nucleotide phosphatase; <b>PDBTitle:</b> structure of a putative nucleotide phosphatase from <i>saccharomyces2 cerevisiae</i>
39	<a href="#">d2fea1</a>	Alignment	not modelled	98.3	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> MtrN-like
40	<a href="#">c3esqA</a>	Alignment	not modelled	98.2	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> d,d-heptose 1,7-bisphosphate phosphatase; <b>PDBTitle:</b> crystal structure of calcium-bound d,d-heptose 1,7-2 bisphosphate phosphatase from e. coli
41	<a href="#">c2yy6B</a>	Alignment	not modelled	98.2	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphoglycolate phosphatase; <b>PDBTitle:</b> crystal structure of the phosphoglycolate phosphatase from aquifex2 aeolicus vf5
42	<a href="#">c2r8zC</a>	Alignment	not modelled	98.2	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> 3-deoxy-d-manno-octulonate 8-phosphate phosphatase; <b>PDBTitle:</b> crystal structure of yrbi phosphatase from escherichia coli in complex2 with a phosphate and a calcium ion
43	<a href="#">c3mn1B</a>	Alignment	not modelled	98.2	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> probable yrbi family phosphatase; <b>PDBTitle:</b> crystal structure of probable yrbi family phosphatase from <i>pseudomonas2 syringae</i> pv. <i>phaseolica</i> 1448a
44	<a href="#">d1k1ea</a>	Alignment	not modelled	98.2	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Probable phosphatase YrbI
45	<a href="#">d2o2xa1</a>	Alignment	not modelled	98.1	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Histidinol phosphatase-like
46	<a href="#">c3dv9A</a>	Alignment	not modelled	98.1	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-phosphoglucomutase; <b>PDBTitle:</b> putative beta-phosphoglucomutase from <i>bacteroides vulgatus</i> .
47	<a href="#">c3n07B</a>	Alignment	not modelled	98.1	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> 3-deoxy-d-manno-octulonate 8-phosphate phosphatase; <b>PDBTitle:</b> structure of putative 3-deoxy-d-manno-octulonate 8-phosphate2 phosphatase from <i>vibrio cholerae</i>
48	<a href="#">c3bwvB</a>	Alignment	not modelled	98.1	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> putative 5'(3')-deoxyribonucleotidase; <b>PDBTitle:</b> crystal structure of deoxyribonucleotidase-like protein (np_764060.1)2 from <i>staphylococcus epidermidis</i> atcc 12228 at 1.55 a resolution
49	<a href="#">d2hsza1</a>	Alignment	not modelled	98.1	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
50	<a href="#">d2hdoa1</a>	Alignment	not modelled	98.1	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
51	<a href="#">c3e58A</a>	Alignment	not modelled	98.0	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> putative beta-phosphoglucomutase; <b>PDBTitle:</b> crystal structure of putative beta-phosphoglucomutase from2 <i>streptococcus thermophilus</i>
52	<a href="#">c3sd7A</a>	Alignment	not modelled	98.0	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative phosphatase; <b>PDBTitle:</b> 1.7 angstrom resolution crystal structure of putative phosphatase from2 <i>clostridium difficile</i>
					<b>Fold:</b> HAD-like

53	<a href="#">d1ydfa1</a>	Alignment	not modelled	98.0	33	<b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
54	<a href="#">c2w11B_</a>	Alignment	not modelled	98.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> 2-haloalkanoic acid dehalogenase; <b>PDBTitle:</b> structure of the l-2-haloacid dehalogenase from sulfobolus2 tokodaii
55	<a href="#">d1j97a_</a>	Alignment	not modelled	98.0	15	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Phosphoserine phosphatase
56	<a href="#">c2no5B_</a>	Alignment	not modelled	98.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> (s)-2-haloacid dehalogenase iv; <b>PDBTitle:</b> crystal structure analysis of a dehalogenase with intermediate complex
57	<a href="#">d2b0ca1</a>	Alignment	not modelled	98.0	16	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> YihX-like
58	<a href="#">d2vkqa1</a>	Alignment	not modelled	98.0	16	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Pyrimidine 5'-nucleotidase (UMPH-1)
59	<a href="#">c3nasA_</a>	Alignment	not modelled	97.9	18	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> beta-phosphoglucomutase; <b>PDBTitle:</b> the crystal structure of beta-phosphoglucomutase from bacillus2 subtilis
60	<a href="#">c2hi0B_</a>	Alignment	not modelled	97.9	21	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> putative phosphoglycolate phosphatase; <b>PDBTitle:</b> crystal structure of putative phosphoglycolate phosphatase2 (yp_619066.1) from lactobacillus delbrueckii subsp. bulgaricus atcc3 baa-365 at 1.51 a resolution
61	<a href="#">c3e8mD_</a>	Alignment	not modelled	97.9	23	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> acylneuraminate cytidyltransferase; <b>PDBTitle:</b> structure-function analysis of 2-keto-3-deoxy-d-glycero-d-galacto-2 nononate-9-phosphate (kdn) phosphatase defines a new clad within the3 type c0 had subfamily
62	<a href="#">c2hogA_</a>	Alignment	not modelled	97.9	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative had-hydrolase ph1655; <b>PDBTitle:</b> crystal structure of the probable haloacid dehalogenase (ph1655) from2 pyrococcus horikoshii ot3
63	<a href="#">d2obba1</a>	Alignment	not modelled	97.9	14	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> BT0820-like
64	<a href="#">c3kd3A_</a>	Alignment	not modelled	97.9	16	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoserine phosphohydrolase-like protein; <b>PDBTitle:</b> crystal structure of a phosphoserine phosphohydrolase-like protein2 from francisella tularensis subsp. tularensis schu s4
65	<a href="#">c3p96A_</a>	Alignment	not modelled	97.9	21	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoserine phosphatase serb; <b>PDBTitle:</b> crystal structure of phosphoserine phosphatase serb from mycobacterium2 avium, native form
66	<a href="#">d1qg5a_</a>	Alignment	not modelled	97.9	15	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> HAD-related
67	<a href="#">c3k1zA_</a>	Alignment	not modelled	97.9	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> haloacid dehalogenase-like hydrolase domain-containing <b>PDBTitle:</b> crystal structure of human haloacid dehalogenase-like hydrolase domain2 containing 3 (hdhd3)
68	<a href="#">c3kzxA_</a>	Alignment	not modelled	97.9	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> had-superfamily hydrolase, subfamily ia, variant 1; <b>PDBTitle:</b> crystal structure of a had-superfamily hydrolase from ehrlichia2 chaffeensis at 1.9a resolution
69	<a href="#">c3m1yA_</a>	Alignment	not modelled	97.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoserine phosphatase (serb); <b>PDBTitle:</b> crystal structure of a phosphoserine phosphatase (serb) from2 helicobacter pylori
70	<a href="#">d1ys9a1</a>	Alignment	not modelled	97.9	29	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
71	<a href="#">c2i6xA_</a>	Alignment	not modelled	97.9	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hydrolase, haloacid dehalogenase-like family; <b>PDBTitle:</b> the structure of a predicted had-like family hydrolase from2 phytomyromonas gingivalis.
72	<a href="#">d2ah5a1</a>	Alignment	not modelled	97.8	21	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
73	<a href="#">d2hcfa1</a>	Alignment	not modelled	97.8	20	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
74	<a href="#">d2fdra1</a>	Alignment	not modelled	97.8	17	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
75	<a href="#">c3n1uA_</a>	Alignment	not modelled	97.8	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hydrolase, had superfamily, subfamily iii a; <b>PDBTitle:</b> structure of putative had superfamily (subfamily iii a) hydrolase from2 legionella pneumophila
76	<a href="#">d1x42a1</a>	Alignment	not modelled	97.8	17	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> HAD-related
77	<a href="#">c3qnmA_</a>	Alignment	not modelled	97.8	19	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> haloacid dehalogenase-like hydrolase; <b>PDBTitle:</b> haloalkane dehalogenase family member from bacteroides2 thetaiotaomicron of unknown function

78	<a href="#">d2bdual</a>	Alignment	not modelled	97.7	20	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Pyrimidine 5'-nucleotidase (UMPH-1)
79	<a href="#">c2p11A</a>	Alignment	not modelled	97.7	11	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein; <b>PDBTitle:</b> crystal structure of a putative haloacid dehalogenase-like hydrolase2 (bxe_b1342) from burkholderia xenovorans lb400 at 2.20 a resolution
80	<a href="#">d1xpja</a>	Alignment	not modelled	97.7	18	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Hypothetical protein VC0232
81	<a href="#">d1o08a</a>	Alignment	not modelled	97.6	21	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
82	<a href="#">c2p9jH</a>	Alignment	not modelled	97.6	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> H: <b>PDB Molecule:</b> hypothetical protein aq2171; <b>PDBTitle:</b> crystal structure of aq2171 from aquifex aeolicus
83	<a href="#">c3ed5A</a>	Alignment	not modelled	97.5	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> yfnb; <b>PDBTitle:</b> the crystal structure of yfnb from bacillus subtilis subsp. subtilis2 str. 168
84	<a href="#">c2zg6A</a>	Alignment	not modelled	97.5	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein st2620; <b>PDBTitle:</b> crystal structure of hypothetical protein; probable 2-2 haloalkanoic acid dehalogenase from sulfolobus tokodaii
85	<a href="#">c2ho4A</a>	Alignment	not modelled	97.5	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> haloacid dehalogenase-like hydrolase domain <b>PDBTitle:</b> crystal structure of protein from mouse mm.236127
86	<a href="#">c2cftA</a>	Alignment	not modelled	97.4	25	<b>PDB header:</b> phosphatase <b>Chain:</b> A: <b>PDB Molecule:</b> pyridoxal phosphate phosphatase; <b>PDBTitle:</b> crystal structure of human pyridoxal 5'-phosphate2 phosphatase with its substrate
87	<a href="#">c3mmzA</a>	Alignment	not modelled	97.4	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative had family hydrolase; <b>PDBTitle:</b> crystal structure of putative had family hydrolase from streptomyces avermitilis ma-4680
88	<a href="#">d2gfa1</a>	Alignment	not modelled	97.3	13	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> beta-Phosphoglucomutase-like
89	<a href="#">c2hx1D</a>	Alignment	not modelled	97.3	16	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> predicted sugar phosphatases of the had <b>PDBTitle:</b> crystal structure of possible sugar phosphatase, had2 superfamily (zp_00311070.1) from cytophaga hutchinsonii3 atcc 33406 at 2.10 a resolution
90	<a href="#">d1l6ra</a>	Alignment	not modelled	97.3	19	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Predicted hydrolases Cof
91	<a href="#">c2g80C</a>	Alignment	not modelled	97.3	19	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> protein utr4; <b>PDBTitle:</b> crystal structure of utr4 protein (unknown transcript 4 protein2) (yel038w) from saccharomyces cerevisiae at 2.28 a resolution
92	<a href="#">d1qyia</a>	Alignment	not modelled	97.3	23	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Hypothetical protein MW1667 (SA1546)
93	<a href="#">d2g80a1</a>	Alignment	not modelled	97.2	18	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Enolase-phosphatase E1
94	<a href="#">c3ewiB</a>	Alignment	not modelled	97.1	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> n-acylneuraminate cytidyltransferase; <b>PDBTitle:</b> structural analysis of the c-terminal domain of murine cmp-2 sialic acid synthetase
95	<a href="#">d1xvia</a>	Alignment	not modelled	97.0	25	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Predicted hydrolases Cof
96	<a href="#">c1xvia</a>	Alignment	not modelled	97.0	25	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative mannosyl-3-phosphoglycerate phosphatase; <b>PDBTitle:</b> crystal structure of yedp, phosphatase-like domain protein2 from escherichia coli k12
97	<a href="#">d1yv9a1</a>	Alignment	not modelled	96.8	28	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
98	<a href="#">c2qyhD</a>	Alignment	not modelled	96.8	33	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> D: <b>PDB Molecule:</b> hypothetical conserved protein, gk1056; <b>PDBTitle:</b> crystal structure of the hypothetical protein (gk1056) from geobacillus kaustophilus hta426
99	<a href="#">c1zjJA</a>	Alignment	not modelled	96.7	30	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein ph1952; <b>PDBTitle:</b> crystal structure of hypothetical protein ph1952 from pyrococcus2 horikoshii ot3
100	<a href="#">c3fvvA</a>	Alignment	not modelled	96.6	22	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> the crystal structure of the protein with unknown function from2 bordetella pertussis tohama i
101	<a href="#">c2b8eB</a>	Alignment	not modelled	96.6	19	<b>PDB header:</b> membrane protein <b>Chain:</b> B: <b>PDB Molecule:</b> cation-transporting atpase; <b>PDBTitle:</b> copa atp binding domain
102	<a href="#">d1yj5a1</a>	Alignment	not modelled	96.6	21	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> phosphatase domain of polynucleotide kinase
103	<a href="#">d1rkua</a>	Alignment	not modelled	96.6	17	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Homoserine kinase ThrH

104	<a href="#">c2pr7A_</a>		Alignment	not modelled	96.5	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> haloacid dehalogenase/epoxide hydrolase family; <b>PDBTitle:</b> crystal structure of uncharacterized protein (np_599989.1) from2 corynebacterium glutamicum atcc 13032 kitasato at 1.44 a resolution
105	<a href="#">c3zvmA_</a>		Alignment	not modelled	96.5	24	<b>PDB header:</b> hydrolase/transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional polynucleotide phosphatase/kinase; <b>PDBTitle:</b> the structural basis for substrate recognition by mammalian2 polynucleotide kinase 3' phosphatase
106	<a href="#">d2c4na1</a>		Alignment	not modelled	96.3	16	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
107	<a href="#">d1wvia_</a>		Alignment	not modelled	96.3	25	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
108	<a href="#">d1vjra_</a>		Alignment	not modelled	96.1	17	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> NagD-like
109	<a href="#">c1yj5B_</a>		Alignment	not modelled	96.0	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> 5' polynucleotide kinase-3' phosphatase catalytic domain; <b>PDBTitle:</b> molecular architecture of mammalian polynucleotide kinase, a dna2 repair enzyme
110	<a href="#">d2b8ea1</a>		Alignment	not modelled	95.9	25	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Meta-cation ATPase, catalytic domain P
111	<a href="#">c3dnpA_</a>		Alignment	not modelled	95.9	27	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> stress response protein yhax; <b>PDBTitle:</b> crystal structure of stress response protein yhax from bacillus2 subtilis
112	<a href="#">c3qgmC_</a>		Alignment	not modelled	95.8	25	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> p-nitrophenyl phosphatase (pho2); <b>PDBTitle:</b> p-nitrophenyl phosphatase from archaeoglobus fulgidus
113	<a href="#">c3pdwA_</a>		Alignment	not modelled	95.8	31	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized hydrolase yutf; <b>PDBTitle:</b> crystal structure of putative p-nitrophenyl phosphatase from bacillus2 subtilis
114	<a href="#">c3n28A_</a>		Alignment	not modelled	95.8	21	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoserine phosphatase; <b>PDBTitle:</b> crystal structure of probable phosphoserine phosphatase from vibrio2 cholerae, unliganded form
115	<a href="#">d1wpga2</a>		Alignment	not modelled	95.8	16	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Meta-cation ATPase, catalytic domain P
116	<a href="#">c2i55C_</a>		Alignment	not modelled	95.7	22	<b>PDB header:</b> isomerase <b>Chain:</b> C: <b>PDB Molecule:</b> phosphomannomutase; <b>PDBTitle:</b> complex of glucose-1,6-bisphosphate with phosphomannomutase from2 leishmania mexicana
117	<a href="#">c3fzgA_</a>		Alignment	not modelled	95.6	30	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative hydrolase; <b>PDBTitle:</b> crystal structure of putative haloacid dehalogenase-like hydrolase2 (yp_001086940.1) from clostridium difficile 630 at 2.10 a resolution
118	<a href="#">c3j09A_</a>		Alignment	not modelled	95.6	24	<b>PDB header:</b> hydrolase, metal transport <b>Chain:</b> A: <b>PDB Molecule:</b> copper-exporting p-type atpase a; <b>PDBTitle:</b> high resolution helical reconstruction of the bacterial p-type atpase2 copper transporter copa
119	<a href="#">d1nrwa_</a>		Alignment	not modelled	95.5	28	<b>Fold:</b> HAD-like <b>Superfamily:</b> HAD-like <b>Family:</b> Predicted hydrolases Cof
120	<a href="#">c3pgvB_</a>		Alignment	not modelled	95.5	25	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> haloacid dehalogenase-like hydrolase; <b>PDBTitle:</b> crystal structure of a haloacid dehalogenase-like hydrolase2 (kpn_04322) from klebsiella pneumoniae subsp. pneumoniae mgh 78578 at3 2.39 a resolution