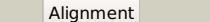
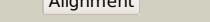
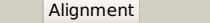
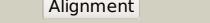
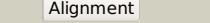


# Phyre<sup>2</sup>

Email	mdejesus@rockefeller.edu
Description	RVBD1850_(ureC)_2097968_2099701
Date	Fri Aug 2 13:30:46 BST 2019
Unique Job ID	9e3ad150fa8ab1d7

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c1e9yB_</a>			100.0	55	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> urease subunit beta; <b>PDBTitle:</b> crystal structure of helicobacter pylori urease in complex with 2 acetohydroxamic acid
2	<a href="#">c4z42L_</a>			100.0	57	<b>PDB header:</b> hydrolase <b>Chain:</b> L; <b>PDB Molecule:</b> urease subunit alpha; <b>PDBTitle:</b> crystal structure of urease from yersinia enterocolitica
3	<a href="#">c1fwcC_</a>			100.0	61	<b>PDB header:</b> hydrolase <b>Chain:</b> C; <b>PDB Molecule:</b> urease; <b>PDBTitle:</b> klebsiella aerogenes urease, c319a variant at ph 8.5
4	<a href="#">c2ubpC_</a>			100.0	57	<b>PDB header:</b> hydrolase <b>Chain:</b> C; <b>PDB Molecule:</b> protein (urease alpha subunit); <b>PDBTitle:</b> structure of native urease from bacillus pasteurii
5	<a href="#">c3la4A_</a>			100.0	60	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> urease; <b>PDBTitle:</b> crystal structure of the first plant urease from jack bean (canavalia2 ensiformis)
6	<a href="#">d1e9yb2</a>			100.0	53	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> alpha-subunit of urease, catalytic domain
7	<a href="#">d1ejxc2</a>			100.0	62	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> alpha-subunit of urease, catalytic domain
8	<a href="#">d4ubpc2</a>			100.0	57	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> alpha-subunit of urease, catalytic domain
9	<a href="#">d4ubpc1</a>			100.0	63	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> alpha-Subunit of urease
10	<a href="#">d1e9yb1</a>			100.0	44	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> alpha-Subunit of urease
11	<a href="#">d1ejxc1</a>			100.0	44	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> alpha-Subunit of urease

12	<a href="#">c5e5cC</a>	Alignment		100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> d-hydantoinase/dihydropyrimidinase; <b>PDBTitle:</b> crystal structure of dihydropyrimidinase from pseudomonas aeruginosa2 pao1
13	<a href="#">c3hm7A</a>	Alignment		100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> allantoinase; <b>PDBTitle:</b> crystal structure of allantoinase from bacillus halodurans c-125
14	<a href="#">c1gkpD</a>	Alignment		100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> hydantoinase; <b>PDBTitle:</b> d-hydantoinase (dihydropyrimidinase) from thermus sp. in space group2 c2221
15	<a href="#">c2ftwA</a>	Alignment		100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydropyrimidine amidohydrolase; <b>PDBTitle:</b> crystal structure of dihydropyrimidinase from dictyostelium discoideum
16	<a href="#">c4b91B</a>	Alignment		100.0	15	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> dihydropyrimidinase-related protein 5; <b>PDBTitle:</b> crystal structure of truncated human crmp-5
17	<a href="#">c1gkra</a>	Alignment		100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> non-atp dependent l-selective hydantoinase; <b>PDBTitle:</b> l-hydantoinase (dihydropyrimidinase) from arthrobacter2 aurescens
18	<a href="#">c1k1dF</a>	Alignment		100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> F: <b>PDB Molecule:</b> d-hydantoinase; <b>PDBTitle:</b> crystal structure of d-hydantoinase
19	<a href="#">c3dc8B</a>	Alignment		100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> dihydropyrimidinase; <b>PDBTitle:</b> crystal structure of dihydropyrimidinase from sinorhizobium meliloti
20	<a href="#">c2gseC</a>	Alignment		100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> dihydropyrimidinase-related protein 2; <b>PDBTitle:</b> crystal structure of human dihydropyrimidinease-like 2
21	<a href="#">c2fvmA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydropyrimidinase; <b>PDBTitle:</b> crystal structure of dihydropyrimidinase from saccharomyces kluyveri2 in complex with the reaction product n-carbamyl-beta-alanine
22	<a href="#">c2vr2A</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydropyrimidinase; <b>PDBTitle:</b> human dihydropyrimidinase
23	<a href="#">c1nfgA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> d-hydantoinase; <b>PDBTitle:</b> structure of d-hydantoinase
24	<a href="#">c3e74D</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> allantoinase; <b>PDBTitle:</b> crystal structure of e. coli allantoinase with iron ions at the metal2 center
25	<a href="#">c2gwnA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> dihydroorotase; <b>PDBTitle:</b> the structure of putative dihydroorotase from porphyromonas2 gingivalis.
26	<a href="#">c3nqbB</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> adenine deaminase 2; <b>PDBTitle:</b> crystal structure of adenine deaminase from agrobacterium tumefaciens2 (str. c 58)
27	<a href="#">c3d6nA</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> hydrolase/transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydroorotase; <b>PDBTitle:</b> crystal structure of aquifex dihydroorotase activated by aspartate2 transcarbamoylase
28	<a href="#">c4v1xA</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> atrazine chlorohydrolase; <b>PDBTitle:</b> the structure of the hexameric atrazine chlorohydrolase, atza

29	<a href="#">c3mpgB</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> dihydroorotase; <b>PDBTitle:</b> dihydroorotase from bacillus anthracis
30	<a href="#">c3grlB</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> dihydroorotase; <b>PDBTitle:</b> the crystal structure of a dihydroorotase from staphylococcus aureus
31	<a href="#">c2z00A</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> dihydroorotase; <b>PDBTitle:</b> crystal structure of dihydroorotase from thermus thermophilus
32	<a href="#">c4wgxD</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> D; <b>PDB Molecule:</b> molinate hydrolase; <b>PDBTitle:</b> crystal structure of molinate hydrolase
33	<a href="#">c4dykB</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> amidohydrolase; <b>PDBTitle:</b> crystal structure of an adenosine deaminase from pseudomonas2 aeruginosa pa01 (target nysgrc-200449) with bound zn
34	<a href="#">c2gokA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> imidazolonepropionase; <b>PDBTitle:</b> crystal structure of the imidazolonepropionase from agrobacterium2 tumefaciens at 1.87 a resolution
35	<a href="#">c3gipB</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> n-acyl-d-glutamate deacylase; <b>PDBTitle:</b> crystal structure of n-acyl-d-glutamate deacylase from2 bordetella bronchiseptica complexed with zinc, acetate and3 formate ions.
36	<a href="#">c4f0rA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> 5-methylthioadenosine/s-adenosylhomocysteine deaminase; <b>PDBTitle:</b> crystal structure of an adenosine deaminase homolog from2 chromobacterium violaceum (target nysgrc-19589) bound zn and 5'-3 methylthioadenosine (unproductive complex)
37	<a href="#">c1xrfA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> dihydroorotase; <b>PDBTitle:</b> the crystal structure of a novel, latent dihydroorotase from aquifex2 aeolicus at 1.7 a resolution
38	<a href="#">c4dzhA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> amidohydrolase; <b>PDBTitle:</b> crystal structure of an adenosine deaminase from xanthomonas2 campestris (target nysgrc-200456) with bound zn
39	<a href="#">c2bb0A</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> imidazolonepropionase; <b>PDBTitle:</b> structure of imidazolonepropionase from bacillus subtilis
40	<a href="#">c3lnpA</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> amidohydrolase family protein olei01672_1_465; <b>PDBTitle:</b> crystal structure of amidohydrolase family protein olei01672_1_4652 from oleispira antarctica
41	<a href="#">c2q09A</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> imidazolonepropionase; <b>PDBTitle:</b> crystal structure of imidazolonepropionase from environmental sample2 with bound inhibitor 3-(2,5-dioxo-imidazolidin-4-yl)-propionic acid
42	<a href="#">c4whbC</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> C; <b>PDB Molecule:</b> phenylurea hydrolase b; <b>PDBTitle:</b> crystal structure of phenylurea hydrolase b
43	<a href="#">c1rjqA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> d-aminoacylase; <b>PDBTitle:</b> the crystal structure of the d-aminoacylase mutant d366a
44	<a href="#">c3hpaB</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> amidohydrolase; <b>PDBTitle:</b> crystal structure of an amidohydrolase gi:44264246 from an2 environmental sample of sargasso sea
45	<a href="#">c5t5mA</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> tungsten formylmethanofuran dehydrogenase subunit fwda; <b>PDBTitle:</b> tungsten-containing formylmethanofuran dehydrogenase from2 methanothermobacter wolfeii, trigonal form at 2.5 a.
46	<a href="#">c2pajA</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> putative cytosine/guanine deaminase; <b>PDBTitle:</b> crystal structure of an amidohydrolase from an environmental sample of2 sargasso sea
47	<a href="#">c3gnhA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> l-lysine, l-arginine carboxypeptidase cc2672; <b>PDBTitle:</b> crystal structure of l-lysine, l-arginine carboxypeptidase cc2672 from2 caulobacter crescentus cb15 complexed with n-methyl phosphonate3 derivative of l-arginine.
48	<a href="#">c2vunC</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> hydrolase <b>Chain:</b> C; <b>PDB Molecule:</b> enamidase; <b>PDBTitle:</b> the crystal structure of enamidase at 1.9 a resolution - a2 new member of the amidohydrolase superfamily
49	<a href="#">c6ohaA</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> probable guanine deaminase; <b>PDBTitle:</b> yeast guanine deaminase
50	<a href="#">c2p9bA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> possible prolidase; <b>PDBTitle:</b> crystal structure of putative prolidase from2 bifidobacterium longum
51	<a href="#">c3be7B</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> B; <b>PDB Molecule:</b> zn-dependent arginine carboxypeptidase; <b>PDBTitle:</b> crystal structure of zn-dependent arginine carboxypeptidase
52	<a href="#">c3lsbA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> triazine hydrolase; <b>PDBTitle:</b> crystal structure of the mutant e241q of atrazine chlorohydrolase trzn2 from arthrobacter aurescens tc1 complexed

53	<a href="#">c2vhIB</a>	Alignment	not modelled	100.0	15	with zinc and ametrin <b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> n-acetylglucosamine-6-phosphate deacetylase; <b>PDBTitle:</b> the three-dimensional structure of the n-acetylglucosamine-2 6-phosphate deacetylase from bacillus subtilis
54	<a href="#">c1r9yA</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cytosine deaminase; <b>PDBTitle:</b> bacterial cytosine deaminase d314a mutant.
55	<a href="#">c3ighX</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> X: <b>PDB Molecule:</b> uncharacterized metal-dependent hydrolase; <b>PDBTitle:</b> crystal structure of an uncharacterized metal-dependent hydrolase from2 pyrococcus horikoshii ot3
56	<a href="#">c4c65A</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ochratoxinase; <b>PDBTitle:</b> crystal structure of a. niger ochratoxinase
57	<a href="#">c3feqB</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> putative amidohydrolase; <b>PDBTitle:</b> crystal structure of uncharacterized protein eah89906
58	<a href="#">c2i9uA</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cytosine/guanine deaminase related protein; <b>PDBTitle:</b> crystal structure of guanine deaminase from c. acetobutylicum with2 bound guanine in the active site
59	<a href="#">c1p1mA</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein tm0936; <b>PDBTitle:</b> structure of thermotoga maritima amidohydrolase tm09362 bound to ni and methionine
60	<a href="#">c2qt3A</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-isopropylammelide isopropyl amidohydrolase; <b>PDBTitle:</b> crystal structure of n-isopropylammelide isopropylaminohydrolase atzc2 from pseudomonas sp. strain adp complexed with zn
61	<a href="#">c2aqoB</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> isoaspartyl dipeptidase; <b>PDBTitle:</b> crystal structure of e. coli isoaspartyl dipeptidase mutant e77q
62	<a href="#">c6nboA</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-isopropylammelide isopropylaminohydrolase; <b>PDBTitle:</b> crystal structure of n-isopropylammelide isopropylaminohydrolase from2 burkholderia multivorans atcc 17616
63	<a href="#">c2r8cB</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> putative amidohydrolase; <b>PDBTitle:</b> crystal structure of uncharacterized protein ej56179
64	<a href="#">c5xgxB</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> isoaspartyl dipeptidase; <b>PDBTitle:</b> crystal structure of colwellia psychrerythraea strain 34h isoaspartyl2 dipeptidase e80q mutant complexed with beta-isoaspartyl lysine
65	<a href="#">c3etkA</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized metal-dependent hydrolase; <b>PDBTitle:</b> crystal structure of an uncharacterized metal-dependent2 hydrolase from pyrococcus furiosus
66	<a href="#">c2qs8A</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> xaa-pro dipeptidase; <b>PDBTitle:</b> crystal structure of a xaa-pro dipeptidase with bound methionine in2 the active site
67	<a href="#">c3ooqC</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> amidohydrolase; <b>PDBTitle:</b> crystal structure of amidohydrolase from thermotoga maritima msb8
68	<a href="#">c4jnrE</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> E: <b>PDB Molecule:</b> putative cytosine deaminase and related metal-dependent <b>PDBTitle:</b> crystal structure of 5-methylcytosine deaminase from klebsiella2 pneumoniae subsp. pneumoniae mgh 78578 liganded with 5-fluorocytosine
69	<a href="#">c3v7pA</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> amidohydrolase family protein; <b>PDBTitle:</b> crystal structure of amidohydrolase nis_0429 (target efi-500396) from2 nitratiruptor sp. sb155-2
70	<a href="#">c3e0IB</a>	Alignment	not modelled	100.0	15	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> guanine deaminase; <b>PDBTitle:</b> computationally designed ammelide deaminase
71	<a href="#">c2oodA</a>	Alignment	not modelled	100.0	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> blr3880 protein; <b>PDBTitle:</b> crystal structure of guanine deaminase from bradyrhizobium japonicum
72	<a href="#">c3egjA</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetylglucosamine-6-phosphate deacetylase; <b>PDBTitle:</b> n-acetylglucosamine-6-phosphate deacetylase from vibrio cholerae.
73	<a href="#">c2p50C</a>	Alignment	not modelled	100.0	16	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> n-acetylglucosamine-6-phosphate deacetylase; <b>PDBTitle:</b> crystal structure of n-acetyl-d-glucosamine-6-phosphate deacetylase2 liganded with zn
74	<a href="#">c6ohcB</a>	Alignment	not modelled	100.0	11	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> guanine deaminase; <b>PDBTitle:</b> e. coli guanine deaminase
75	<a href="#">c1o12B</a>	Alignment	not modelled	100.0	13	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> n-acetylglucosamine-6-phosphate deacetylase; <b>PDBTitle:</b> crystal structure of n-acetylglucosamine-6-phosphate

						deacetylase2 (tm0814) from thermotoga maritima at 2.5 a resolution
76	<a href="#">c2icsA</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> adenine deaminase; <b>PDBTitle:</b> crystal structure of an adenine deaminase
77	<a href="#">c6fv3D</a>	Alignment	not modelled	100.0	12	<b>PDB header:</b> hydrolase <b>Chain:</b> D: <b>PDB Molecule:</b> n-acetylglucosamine-6-phosphate deacetylase; <b>PDBTitle:</b> crystal structure of n-acetyl-d-glucosamine-6-phosphate deacetylase2 from mycobacterium smegmatis.
78	<a href="#">c4f0IB</a>	Alignment	not modelled	99.9	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> amidohydrolase; <b>PDBTitle:</b> crystal structure of amidohydrolase from brucella melitensis
79	<a href="#">c2ogjB</a>	Alignment	not modelled	99.9	16	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> crystal structure of a dihydroorotate
80	<a href="#">c3mduA</a>	Alignment	not modelled	99.9	15	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> n-formimino-l-glutamate iminohydrolase; <b>PDBTitle:</b> the structure of n-formimino-l-glutamate iminohydrolase from2 pseudomonas aeruginosa complexed with n-guanidino-l-glutamate
81	<a href="#">c2imrA</a>	Alignment	not modelled	99.9	15	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein dr_0824; <b>PDBTitle:</b> crystal structure of amidohydrolase dr_0824 from2 deinococcus radiodurans
82	<a href="#">c5nnlB</a>	Alignment	not modelled	99.9	11	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> inactive dihydroorotate-like domain; <b>PDBTitle:</b> inactive dihydroorotate-like domain of chaetomium thermophilum cad-2 like multifunctional protein
83	<a href="#">d1gkra2</a>	Alignment	not modelled	99.8	19	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
84	<a href="#">c4lfyB</a>	Alignment	not modelled	99.8	14	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> crystal structure of a dihydroorotate from burkholderia cenocepacia2 j2315
85	<a href="#">d1k1da2</a>	Alignment	not modelled	99.8	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
86	<a href="#">c3pnua</a>	Alignment	not modelled	99.8	12	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> 2.4 angstrom crystal structure of dihydroorotate (pyrc) from2 campylobacter jejuni.
87	<a href="#">c4c6mA</a>	Alignment	not modelled	99.8	16	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cad protein; <b>PDBTitle:</b> crystal structure of the dihydroorotate domain of human cad2 bound to the inhibitor fluoroorotate at ph 7.0
88	<a href="#">c5vgmA</a>	Alignment	not modelled	99.8	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> crystal structure of dihydroorotate pyrc from vibrio cholerae in2 complex with zinc at 1.95 a resolution.
89	<a href="#">d1ynya2</a>	Alignment	not modelled	99.8	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
90	<a href="#">d1nfga2</a>	Alignment	not modelled	99.8	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
91	<a href="#">d1gkpa2</a>	Alignment	not modelled	99.8	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
92	<a href="#">c3jzeC</a>	Alignment	not modelled	99.8	15	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> 1.8 angstrom resolution crystal structure of dihydroorotate (pyrc)2 from salmonella enterica subsp. enterica serovar typhimurium str. lt2
93	<a href="#">c2ogjC</a>	Alignment	not modelled	99.8	15	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> crystal structure of a dihydroorotate
94	<a href="#">d2eg6a1</a>	Alignment	not modelled	99.8	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Dihydroorotate
95	<a href="#">c5v0gE</a>	Alignment	not modelled	99.7	14	<b>PDB header:</b> hydrolase <b>Chain:</b> E: <b>PDB Molecule:</b> dihydroorotate; <b>PDBTitle:</b> crystal structure of dihydroorotate pyrc from yersinia pestis in2 complex with zinc and unknown ligand at 2.4 a resolution.
96	<a href="#">d1kcxa2</a>	Alignment	not modelled	99.7	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
97	<a href="#">d2fvka2</a>	Alignment	not modelled	99.7	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
98	<a href="#">d2ftwa2</a>	Alignment	not modelled	99.7	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
99	<a href="#">d2fvka1</a>	Alignment	not modelled	99.6	23	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase)
100	<a href="#">c3msrA</a>	Alignment	not modelled	99.6	10	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> amidohydrolases; <b>PDBTitle:</b> the crystal structure of an amidohydrolase from mycoplasma synoviae
101	<a href="#">c3oomR</a>	Alignment	not modelled	99.6	24	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein bt9727_2919;

101	<a href="#">d2gym1</a>	Alignment	not modelled	99.0	24	<b>PDBTitle:</b> crystal structure of bt9727_2919 from bacillus2 thuringiensis subsp. northeast structural genomics target3 bur228b
102	<a href="#">d1onwa1</a>	Alignment	not modelled	99.5	17	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Isoaspartyl dipeptidase
103	<a href="#">d2p9ba1</a>	Alignment	not modelled	99.5	18	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Imidazolonepropionase-like
104	<a href="#">d1yrra1</a>	Alignment	not modelled	99.4	20	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> N-acetylglucosamine-6-phosphate deacetylase, NagA
105	<a href="#">d2puza2</a>	Alignment	not modelled	99.4	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Imidazolonepropionase-like
106	<a href="#">d1k1da1</a>	Alignment	not modelled	99.4	23	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase)
107	<a href="#">d1ra0a2</a>	Alignment	not modelled	99.4	10	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Cytosine deaminase catalytic domain
108	<a href="#">d2r8ca1</a>	Alignment	not modelled	99.4	17	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Zn-dependent arginine carboxypeptidase-like
109	<a href="#">d1xrta2</a>	Alignment	not modelled	99.4	16	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase), catalytic domain
110	<a href="#">d2p9ba2</a>	Alignment	not modelled	99.3	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Imidazolonepropionase-like
111	<a href="#">d2uz9a2</a>	Alignment	not modelled	99.3	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> SAH/MTA deaminase-like
112	<a href="#">d2ftwa1</a>	Alignment	not modelled	99.3	13	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase)
113	<a href="#">d2bb0a2</a>	Alignment	not modelled	99.3	15	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Imidazolonepropionase-like
114	<a href="#">d1ynya1</a>	Alignment	not modelled	99.3	25	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase)
115	<a href="#">d2q09a2</a>	Alignment	not modelled	99.3	19	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Imidazolonepropionase-like
116	<a href="#">d1gkpa1</a>	Alignment	not modelled	99.2	31	<b>Fold:</b> Composite domain of metallo-dependent hydrolases <b>Superfamily:</b> Composite domain of metallo-dependent hydrolases <b>Family:</b> Hydantoinase (dihydropyrimidinase)
117	<a href="#">d2paja2</a>	Alignment	not modelled	99.2	17	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> SAH/MTA deaminase-like
118	<a href="#">d2qs8a2</a>	Alignment	not modelled	99.1	20	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> Zn-dependent arginine carboxypeptidase-like
119	<a href="#">d2i9ua2</a>	Alignment	not modelled	99.1	11	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> SAH/MTA deaminase-like
120	<a href="#">d1m7ja3</a>	Alignment	not modelled	99.1	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Metallo-dependent hydrolases <b>Family:</b> D-aminoacylase, catalytic domain