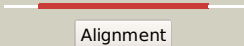

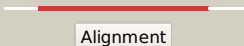

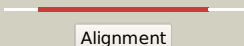







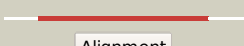
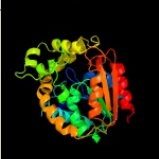










Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2715 (-)_3028108_3029133
Date	Wed Aug 7 12:50:37 BST 2019
Unique Job ID	c2101b106462d1a9

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1cr6A_	 Alignment		100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: epoxide hydrolase; PDBTitle: crystal structure of murine soluble epoxide hydrolase2 complexed with cpu inhibitor
2	c3i28A_	 Alignment		100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: epoxide hydrolase 2; PDBTitle: crystal structure of soluble epoxide hydrolase
3	c4d9jl_	 Alignment		100.0	20	PDB header: de novo protein Chain: I: PDB Molecule: designed 16nm tetrahedral protein cage containing non-haem PDBTitle: structure of a 16 nm protein cage designed by fusing symmetric2 oligomeric domains
4	c3u1tA_	 Alignment		100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: dmma haloalkane dehalogenase; PDBTitle: haloalkane dehalogenase, dmma, of marine microbial origin
5	c4qloA_	 Alignment		100.0	13	PDB header: transferase Chain: A: PDB Molecule: homoserine o-acetyltransferase; PDBTitle: crystal structure of homoserine o-acetyltransferase from2 staphylococcus aureus
6	c3oosA_	 Alignment		100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: alpha/beta hydrolase family protein; PDBTitle: the structure of an alpha/beta fold family hydrolase from bacillus2 anthracis str. Sterne
7	c3kdaB_	 Alignment		100.0	18	PDB header: hydrolase Chain: B: PDB Molecule: cftr inhibitory factor (cif); PDBTitle: crystal structure of the cftr inhibitory factor cif with the h269a2 mutation
8	c5egnB_	 Alignment		100.0	23	PDB header: hydrolase Chain: B: PDB Molecule: esterase; PDBTitle: est816 as an n-acyl homoserine lactone degrading enzyme
9	c5mxbB_	 Alignment		100.0	17	PDB header: hydrolase Chain: B: PDB Molecule: alpha/beta hydrolase; PDBTitle: haloalkane dehalogenase dmxa from marinobacter sp. elb17 possessing a2 unique catalytic residue
10	c4pw0A_	 Alignment		100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: alpha/beta hydrolase fold protein; PDBTitle: alpha/beta hydrolase fold protein from chitinophaga pinensis
11	d2b61a1	 Alignment		100.0	14	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: O-acetyltransferase

12	c3kxpD_	Alignment		100.0	22	PDB header: hydrolase Chain: D: PDB Molecule: alpha-(n-acetylamino)methylene)succinic acid hydrolase; PDBTitle: crystal structure of e-2-(acetamidomethylene)succinate hydrolase
13	c4y7dA_	Alignment		100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: alpha/beta hydrolase fold protein; PDBTitle: alpha/beta hydrolase fold protein from nakamurella multipartita
14	c2vavL_	Alignment		100.0	13	PDB header: transferase Chain: L: PDB Molecule: acetyl-coa--deacetylcephalosporin c acetyltransferase; PDBTitle: crystal structure of deacetylcephalosporin c acetyltransferase (dac-2 soak)
15	c3wibB_	Alignment		100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: haloalkane dehalogenase; PDBTitle: crystal structure of y109w mutant haloalkane dehalogenase data from2 agrobacterium tumefaciens c58
16	c4inzB_	Alignment		100.0	19	PDB header: hydrolase Chain: B: PDB Molecule: soluble epoxide hydrolase; PDBTitle: the crystal structure of m145a mutant of an epoxide hydrolase from2 bacillus megaterium
17	c5xmdA_	Alignment		100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: epoxide hydrolase a; PDBTitle: crystal structure of epoxide hydrolase vreh1 from vigna radiata
18	c5w15D_	Alignment		100.0	21	PDB header: hydrolase Chain: D: PDB Molecule: alpha/beta hydrolase fold protein; PDBTitle: crystal structure of an alpha/beta hydrolase fold protein from2 burkholderia ambifaria.
19	d1zd3a2	Alignment		100.0	18	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Epoxide hydrolase
20	c2cjpA_	Alignment		100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: epoxide hydrolase; PDBTitle: structure of potato (solanum tuberosum) epoxide hydrolase i (steh1)
21	c5d6oB_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: homoserine o-acetyltransferase; PDBTitle: orthorhombic crystal structure of an acylester hydrolase from2 corynebacterium glutamicum
22	c5jkjA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: esterase e22; PDBTitle: crystal structure of esterase e22 I374d mutant
23	c4b9aA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: probable epoxide hydrolase; PDBTitle: structure of a putative epoxide hydrolase from pseudomonas2 aeruginosa.
24	d1cr6a2	Alignment	not modelled	100.0	20	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Epoxide hydrolase
25	c3i1iA_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: homoserine o-acetyltransferase; PDBTitle: x-ray crystal structure of homoserine o-acetyltransferase from2 bacillus anthracis
26	d1bn7a_	Alignment	not modelled	100.0	18	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloalkane dehalogenase
27	c2e3jA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: epoxide hydrolase ephb; PDBTitle: the crystal structure of epoxide hydrolase b (rv1938) from2 mycobacterium tuberculosis at 2.1 angstrom
28	c2xuaH_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: H: PDB Molecule: 3-oxoadipate enol-lactonase; PDBTitle: crystal structure of the enol-lactonase from burkholderia2 xenovorans lb400
29	c5w8pA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: homoserine o-acetyltransferase; PDBTitle: homoserine transacetylase meta from mycobacterium

						abscessus
30	c5ng7B_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: B: PDB Molecule: epoxide hydrolase; PDBTitle: novel epoxide hydrolases belonging to the alpha/beta hydrolases2 superfamily in metagenomes from hot environments
31	c2y6vB_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: B: PDB Molecule: peroxisomal membrane protein lpx1; PDBTitle: peroxisomal alpha-beta-hydrolase lpx1 (yor084w) from <i>saccharomyces2 cerevisiae</i> (crystal form i)
32	c4psuA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: alpha/beta hydrolase; PDBTitle: crystal structure of alpha/beta hydrolase from <i>rhodospseudomonas2 palustris</i> cga009
33	c4qlaA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: juvenile hormone epoxide hydrolase; PDBTitle: crystal structure of juvenile hormone epoxide hydrolase from the2 silkworm <i>bombyx mori</i>
34	c3om8A_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: probable hydrolase; PDBTitle: the crystal structure of a hydrolase from <i>pseudomonas aeruginosa</i> pa01
35	c3vv1A_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: homoserine o-acetyltransferase; PDBTitle: crystal structure of l-serine-o-acetyltransferase found in d-2 cycloserine biosynthetic pathway
36	c3a2nF_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: F: PDB Molecule: haloalkane dehalogenase; PDBTitle: crystal structure of dbja (wild type type ii p21)
37	c4l0cA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: deformylase; PDBTitle: crystal structure of the n-fopmylmaleamic acid deformylase nfo(s94a)2 from <i>pseudomonas putida</i> s16
38	d1ehya_	Alignment	not modelled	100.0	21	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Epoxide hydrolase
39	c5efzC_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: C: PDB Molecule: homoserine o-acetyltransferase; PDBTitle: monoclinic structure of the acetyl esterase mekb
40	c1y37A_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: fluoroacetate dehalogenase; PDBTitle: structure of fluoroacetate dehalogenase from <i>burkholderia</i> sp. fa1
41	c4qlaB_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: juvenile hormone epoxide hydrolase; PDBTitle: crystal structure of juvenile hormone epoxide hydrolase from the2 silkworm <i>bombyx mori</i>
42	c2qmqa_	Alignment	not modelled	100.0	14	PDB header: signaling protein Chain: A: PDB Molecule: protein ndrg2; PDBTitle: crystal structure of a n-myc downstream regulated 2 protein (ndrg2,2 syl2, ndr2, ai182517, au040374) from <i>mus musculus</i> at 1.70 a3 resolution
43	c5nfgA_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: epoxide hydrolase belonging to alpha/beta hydrolase PDBTitle: novel epoxide hydrolases belonging to the alpha/beta hydrolases2 superfamily in metagenomes from hot environments
44	c4nvrC_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: C: PDB Molecule: putative acyltransferase; PDBTitle: 2.22 angstrom resolution crystal structure of a putative2 acyltransferase from <i>salmonella enterica</i>
45	d1uk8a_	Alignment	not modelled	100.0	23	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Carbon-carbon bond hydrolase
46	d1azwa_	Alignment	not modelled	100.0	20	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Proline iminopeptidase-like
47	c4f0jA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: probable hydrolytic enzyme; PDBTitle: crystal structure of a probable hydrolytic enzyme (pa3053) from2 <i>pseudomonas aeruginosa</i> pao1 at 1.50 a resolution
48	c3ibtA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: 1h-3-hydroxy-4-oxoquinoline 2,4-dioxygenase; PDBTitle: structure of 1h-3-hydroxy-4-oxoquinoline 2,4-dioxygenase (qdo)
49	d2vata1	Alignment	not modelled	100.0	15	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: O-acetyltransferase
50	d1b6ga_	Alignment	not modelled	100.0	18	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloalkane dehalogenase
51	c2r11D_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: D: PDB Molecule: carboxylesterase np; PDBTitle: crystal structure of putative hydrolase (2632844) from <i>bacillus2 subtilis</i> at 1.96 a resolution
52	c4q3lC_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: C: PDB Molecule: mgs-m2; PDBTitle: crystal structure of mgs-m2, an alpha/beta hydrolase enzyme from a2 medee basin deep-sea metagenome library
53	c5yhpB_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B: PDB Molecule: cold active proline iminopeptidase; PDBTitle: proline iminopeptidase from psychrophilic yeast <i>glaciozyma antarctica</i>
54	c4uhhA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: esterase; PDBTitle: structural studies of a thermophilic esterase from2 <i>thermogutta terrifontis</i> (cacodylate complex)
						PDB header: hydrolase

55	c5h3hB_	Alignment	not modelled	100.0	21	Chain: B; PDB Molecule: abhydrolase domain-containing protein; PDBTitle: esterase (eaest) from <i>exiguobacterium antarcticum</i>
56	c5f4zB_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B; PDB Molecule: epoxide hydrolase; PDBTitle: the crystal structure of an epoxide hydrolase from <i>streptomyces2 carzinostaticus</i> subsp. <i>neocarzinostaticus</i>
57	c2wj4B_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B; PDB Molecule: 1h-3-hydroxy-4-oxoquinaldine 2,4-dioxygenase; PDBTitle: crystal structure of the cofactor-devoid 1-h-3-hydroxy-4-2-oxoquinaldine 2,4-dioxygenase (hod) from <i>arthrobacter3 nitroguajacolicus ru61a</i> anaerobically complexed with its4 natural substrate 1-h-3-hydroxy-4-oxoquinaldine
58	c5esrA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A; PDB Molecule: haloalkane dehalogenase; PDBTitle: crystal structure of haloalkane dehalogenase (dcca) from <i>caulobacter2 crescentus</i>
59	d1brta_	Alignment	not modelled	100.0	19	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloperoxidase
60	c3r3xA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A; PDB Molecule: fluoroacetate dehalogenase; PDBTitle: crystal structure of the fluoroacetate dehalogenase <i>rpa1163 -2 asp110asn/bromoacetate</i>
61	c3qyJB_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: B; PDB Molecule: alr0039 protein; PDBTitle: crystal structure of alr0039, a putative alpha/beta hydrolase from <i>2 nostoc sp pcc 7120</i> .
62	c4oseA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A; PDB Molecule: putative hydrolase; PDBTitle: x-ray crystal structure of a putative hydrolase from <i>rickettsia typhi</i>
63	d1mj5a_	Alignment	not modelled	100.0	18	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloalkane dehalogenase
64	d1a8sa_	Alignment	not modelled	100.0	20	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloperoxidase
65	d2rhwa1	Alignment	not modelled	100.0	19	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Carbon-carbon bond hydrolase
66	d1c4xa_	Alignment	not modelled	100.0	19	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Carbon-carbon bond hydrolase
67	c4i19A_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A; PDB Molecule: epoxide hydrolase; PDBTitle: the crystal structure of an epoxide hydrolase from <i>streptomyces2 carzinostaticus</i> subsp. <i>neocarzinostaticus</i> .
68	d1va4a_	Alignment	not modelled	100.0	19	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloperoxidase
69	d1q0ra_	Alignment	not modelled	100.0	15	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Aclacinomycin methylesterase RdmC
70	c2yysA_	Alignment	not modelled	100.0	18	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: proline iminopeptidase-related protein; PDBTitle: crystal structure of the proline iminopeptidase-related protein2 <i>ttha1809</i> from <i>thermus thermophilus hb8</i>
71	d1mtza_	Alignment	not modelled	100.0	16	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Proline iminopeptidase-like
72	c3fsgC_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: C; PDB Molecule: alpha/beta superfamily hydrolase; PDBTitle: crystal structure of alpha/beta superfamily hydrolase from <i>oenococcus2 oeni psu-1</i>
73	d2pl5a1	Alignment	not modelled	100.0	15	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: O-acetyltransferase
74	c4c6hA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A; PDB Molecule: haloalkane dehalogenase; PDBTitle: haloalkane dehalogenase with 1-hexanol
75	d1a8qa_	Alignment	not modelled	100.0	21	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloperoxidase
76	c3e3aA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: possible peroxidase bpoc; PDBTitle: the structure of rv0554 from <i>mycobacterium tuberculosis</i>
77	d1hkha_	Alignment	not modelled	100.0	20	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Haloperoxidase
78	c4opmB_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: B; PDB Molecule: lipase; PDBTitle: crystal structure of a putative lipase (lip1) from <i>acinetobacter2 baumannii aye</i> at 1.70 a resolution
79	c3v48B_	Alignment	not modelled	100.0	25	PDB header: hydrolase Chain: B; PDB Molecule: putative aminoacrylate hydrolase rutd; PDBTitle: crystal structure of the putative alpha/beta hydrolase rutd from <i>2 e.coli</i>
80	c4i3fA_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A; PDB Molecule: serine hydrolase ccsp0084; PDBTitle: crystal structure of serine hydrolase ccsp0084 from the polyaromatic2 hydrocarbon (pah)-degrading bacterium <i>cycloclasticus zankles</i>

81	c2xt0A_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: haloalkane dehalogenase; PDBTitle: dehalogenase dpqa from plesiocystis pacifica sir-i
82	c1u2eA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: 2-hydroxy-6-ketonona-2,4-dienedioic acid PDBTitle: crystal structure of the c-c bond hydrolase mhpc
83	c4lxgA_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: mcp hydrolase; PDBTitle: crystal structure of dxnb2, a carbon - carbon bond hydrolase from2 sphingomonas wittichii rw1
84	c5cw2C_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: C: PDB Molecule: putative epoxide hydrolase epha; PDBTitle: crystal structure of epoxide hydrolase a from mycobacterium2 thermoresistibile
85	d1wm1a_	Alignment	not modelled	100.0	18	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Proline iminopeptidase-like
86	c5bovD_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: D: PDB Molecule: putative epoxide hydrolase protein; PDBTitle: crystal structure of a putative epoxide hydrolase (kpn_01808) from2 klebsiella pneumoniae subsp. pneumoniae mgh 78578 at 1.60 a3 resolution
87	c3qvmA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: olei00960; PDBTitle: the structure of olei00960, a hydrolase from oleispira antarctica
88	c1j1iA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: meta cleavage compound hydrolase; PDBTitle: crystal structure of a his-tagged serine hydrolase involved2 in the carbazole degradation (carc enzyme)
89	d1j1ia_	Alignment	not modelled	100.0	22	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Carbon-carbon bond hydrolase
90	c1zoiC_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: C: PDB Molecule: esterase; PDBTitle: crystal structure of a stereoselective esterase from2 pseudomonas putida ifo12996
91	c4rpcA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: putative alpha/beta hydrolase; PDBTitle: crystal structure of the putative alpha/beta hydrolase family protein2 from desulfitobacterium hafniense
92	c6brtB_	Alignment	not modelled	100.0	20	PDB header: ligase Chain: B: PDB Molecule: d3-cth-d14-d-ring; PDBTitle: f-box protein cth with hydrolase
93	c3p2mA_	Alignment	not modelled	100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: possible hydrolase; PDBTitle: crystal structure of a novel esterase rv0045c from mycobacterium2 tuberculosis
94	c2vf2A_	Alignment	not modelled	100.0	26	PDB header: hydrolase Chain: A: PDB Molecule: 2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoate PDBTitle: x-ray crystal structure of hsd from mycobacterium2 tuberculosis
95	c3bwxA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: alpha/beta hydrolase; PDBTitle: crystal structure of an alpha/beta hydrolase (yp_496220.1) from2 novosphingobium aromaticivorans dsm 12444 at 1.50 a resolution
96	c5uroA_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: predicted protein; PDBTitle: structure of a soluble epoxide hydrolase identified in trichoderma2 reesei
97	c3fobA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: bromoperoxidase; PDBTitle: crystal structure of bromoperoxidase from bacillus anthracis
98	c6f9oA_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: haloalkane dehalogenase; PDBTitle: crystal structure of cold-adapted haloalkane dehalogenase dpca from2 psychrobacter cryohalolentis k5
99	c2qvbA_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: haloalkane dehalogenase 3; PDBTitle: crystal structure of haloalkane dehalogenase rv2579 from mycobacterium2 tuberculosis
100	c6ra2E_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: E: PDB Molecule: putative dioxygenase (1h-3-hydroxy-4-oxoquinaldine 2,4- PDBTitle: structural basis for recognition and ring-cleavage of the pseudomonas2 quinolone signal (pqg) by aqdc
101	c3nwoA_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: proline iminopeptidase; PDBTitle: crystal structure of proline iminopeptidase mycobacterium smegmatis
102	d1m33a_	Alignment	not modelled	100.0	19	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Biotin biosynthesis protein BioH
103	c4rncB_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: B: PDB Molecule: esterase; PDBTitle: crystal structure of an esterase rhest1 from rhodococcus sp. ecu1013
104	c3wz1B_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B: PDB Molecule: zearealenone hydrolase; PDBTitle: zen lactonase
105	c4mj3B_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: B: PDB Molecule: haloalkane dehalogenase; PDBTitle: haloalkane dehalogenase dmra from mycobacterium rhodesiae js60
						Fold: alpha/beta-Hydrolases

106	d1a88a_	Alignment	not modelled	100.0	19	Superfamily: alpha/beta-Hydrolases Family: Haloperoxidase
107	c4ccyA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A; PDB Molecule: carboxylesterase ybfk; PDBTitle: crystal structure of carboxylesterase cesb (ybfk) from bacillus2 subtilis
108	c5frdA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A; PDB Molecule: carboxylesterase (est-2); PDBTitle: structure of a thermophilic esterase
109	c6g75B_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: B; PDB Molecule: common ancestor of haloalkane dehalogenase and renilla PDBTitle: crystal structure of the common ancestor of haloalkane dehalogenases2 and renilla luciferase (anch1d-rluc)
110	c3r0vA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A; PDB Molecule: alpha/beta hydrolase fold protein; PDBTitle: the crystal structure of an alpha/beta hydrolase from sphaerobacter2 thermophilus dsm 20745.
111	c5a62A_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A; PDB Molecule: putative alpha/beta hydrolase fold protein; PDBTitle: hydrolytic potential of the ammonia-oxidizing thaumarchaeon2 nitrososphaera gargensis - crystal structure and activity profiles of 3 carboxylesterases linked to their metabolic function
112	c2xmzA_	Alignment	not modelled	100.0	18	PDB header: lyase Chain: A; PDB Molecule: hydrolase, alpha/beta hydrolase fold family; PDBTitle: structure of menh from s. aureus
113	c1wprA_	Alignment	not modelled	100.0	20	PDB header: signaling protein Chain: A; PDB Molecule: sigma factor sigb regulation protein rsbq; PDBTitle: crystal structure of rsbq inhibited by pmsf
114	c3l80A_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A; PDB Molecule: putative uncharacterized protein smu.1393c; PDBTitle: crystal structure of smu.1393c from streptococcus mutans ua159
115	c5cbkA_	Alignment	not modelled	100.0	22	PDB header: signaling protein Chain: A; PDB Molecule: shht15; PDBTitle: crystal structure of the strigolactone receptor shht15 from striga2 hermonthica
116	c5dnvA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A; PDB Molecule: shkai2ib; PDBTitle: crystal structure of kai2-like protein from striga (apo state 2)
117	c2pseA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A; PDB Molecule: renilla-luciferin 2-monooxygenase; PDBTitle: crystal structures of the luciferase and green fluorescent2 protein from renilla reniformis
118	d1qo7a_	Alignment	not modelled	100.0	13	Fold: alpha/beta-Hydrolases Superfamily: alpha/beta-Hydrolases Family: Epoxide hydrolase
119	c4dnqA_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A; PDB Molecule: dad2; PDBTitle: crystal structure of dad2 s96a mutant
120	c5xo6F_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: F; PDB Molecule: lactonase for protein; PDBTitle: crystal structure of a novel zen lactonase mutant