Phyre2.2

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Description Undefined
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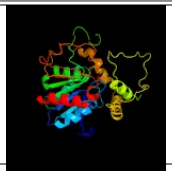
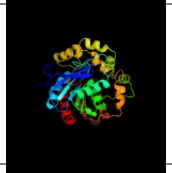
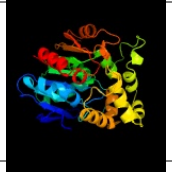
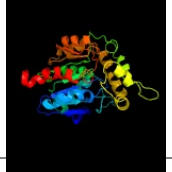
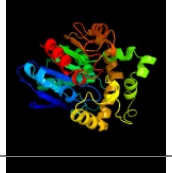
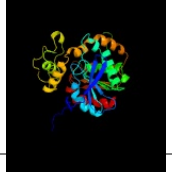
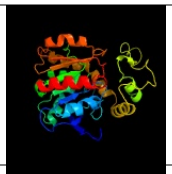
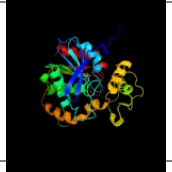
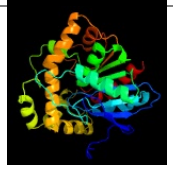
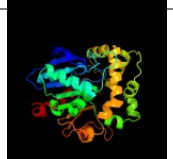
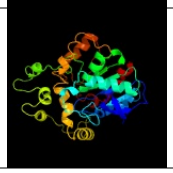
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5xmdB_	Alignment		100.0	24	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Epoxide hydrolase A **PDBTitle:** crystal structure of epoxide hydrolase vreh1 from vigna radiata **PDB Entry:** PDBe RCSB PDBj
2	c5aluA_	Alignment		99.9	23	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** BIFUNCTIONAL EPOXIDE HYDROLASE 2 **PDBTitle:** ligand complex structure of soluble epoxide hydrolase **PDB Entry:** PDBe RCSB PDBj
3	c5o2gA_	Alignment		100.0	24	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Fluoroacetate dehalogenase **PDBTitle:** crystal structure determination from picosecond infrared laser ablated protein crystals by serial synchrotron crystallography **PDB Entry:** PDBe RCSB PDBj
4	c4opmA_	Alignment		100.0	23	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Lipase **PDBTitle:** crystal structure of a putative lipase (lip1) from acinetobacter baumannii aye at 1.70 a resolution **PDB Entry:** PDBe RCSB PDBj
5	c5k3dA_	Alignment		100.0	24	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Fluoroacetate dehalogenase **PDBTitle:** crystal structure of the fluoroacetate dehalogenase rpa1163 - wt/apo - no halide **PDB Entry:** PDBe RCSB PDBj
6	c5am4A_	Alignment		99.9	22	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** BIFUNCTIONAL EPOXIDE HYDROLASE 2 **PDBTitle:** ligand complex structure of soluble epoxide hydrolase **PDB Entry:** PDBe RCSB PDBj
7	c6f9oA_	Alignment		100.0	21	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of cold-adapted haloalkane dehalogenase dpca from psychrobacter cryohalolentis k5 **PDB Entry:** PDBe RCSB PDBj
8	c6i5eA_	Alignment		100.0	23	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Bifunctional epoxide hydrolase 2 **PDBTitle:** x-ray structure of apo human soluble epoxide hydrolase c-terminal domain (hseh ctd) **PDB Entry:** PDBe RCSB PDBj
9	c5ai6A_	Alignment		99.9	22	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** BIFUNCTIONAL EPOXIDE HYDROLASE 2 **PDBTitle:** ligand complex structure of soluble epoxide hydrolase **PDB Entry:** PDBe RCSB PDBj
10	c8hm5B_	Alignment		100.0	22	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Epoxide hydrolase **PDBTitle:** epoxide hydrolase from caballeronia sordidicola pamc 26510 **PDB Entry:** PDBe RCSB PDBj

11	c5y6yA_	Alignment		100.0	22	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Epoxide hydrolase **PDBTitle:** the crystal structure of vreh2 mutant m263n **PDB Entry:** PDBe RCSB PDBj
12	c5yb5A_	Alignment		100.0	22	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Epoxide hydrolase **PDBTitle:** the complex crystal structure of vreh2 mutant m263n with sno **PDB Entry:** PDBe RCSB PDBj
13	c5cw2D_	Alignment		100.0	22	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Putative epoxide hydrolase EPHA **PDBTitle:** crystal structure of epoxide hydrolase a from mycobacterium thermoresistibile **PDB Entry:** PDBe RCSB PDBj
14	c1q0rA_	Alignment		100.0	22	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** aclacinomycin methylesterase **PDBTitle:** crystal structure of aclacinomycin methylesterase (rdmc) with bound product analogue, 10-decarboxymethylaclacinomycin t (dcmat) **PDB Entry:** PDBe RCSB PDBj
15	c5cw2A_	Alignment		100.0	22	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Putative epoxide hydrolase EPHA **PDBTitle:** crystal structure of epoxide hydrolase a from mycobacterium thermoresistibile **PDB Entry:** PDBe RCSB PDBj
16	c5t4tB_	Alignment		99.9	21	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Fluoroacetate dehalogenase **PDBTitle:** crystal structure of the fluoroacetate dehalogenase rpa1163 - asp110asn - apo no halide **PDB Entry:** PDBe RCSB PDBj
17	c8hguA_	Alignment		100.0	21	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta hydrolase **PDBTitle:** epoxide hydrolase from bosea sp. pamc 26642 **PDB Entry:** PDBe RCSB PDBj
18	c8hguD_	Alignment		100.0	21	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Alpha/beta hydrolase **PDBTitle:** epoxide hydrolase from bosea sp. pamc 26642 **PDB Entry:** PDBe RCSB PDBj
19	c4b9aA_	Alignment		100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** PROBABLE EPOXIDE HYDROLASE **PDBTitle:** structure of a putative epoxide hydrolase from pseudomonas aeruginosa. **PDB Entry:** PDBe RCSB PDBj
20	c2e3jA_	Alignment		100.0	21	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** EPOXIDE HYDROLASE EPHB **PDBTitle:** the crystal structure of epoxide hydrolase b (rv1938) from mycobacterium tuberculosis at 2.1 angstrom **PDB Entry:** PDBe RCSB PDBj
21	c8sdcB_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Alpha/beta hydrolase fold protein **PDBTitle:** crystal structure of fluoroacetate dehalogenase daro3835 apoenzyme **PDB Entry:** PDBe RCSB PDBj
22	c3u1tB_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** DmmA Haloalkane Dehalogenase **PDBTitle:** haloalkane dehalogenase, dmma, of marine microbial origin **PDB Entry:** PDBe RCSB PDBj
23	c2xmzA_	Alignment	not modelled	100.0	22	**PDB header:** lyase **Chain:** A: **PDB Molecule:** HYDROLASE, ALPHA/BETA HYDROLASE FOLD FAMILY **PDBTitle:** structure of menh from s. aureus **PDB Entry:** PDBe RCSB PDBj
24	c8oe2A_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** structure of hyperstable haloalkane dehalogenase variant dhaa223 **PDB Entry:** PDBe RCSB PDBj

25	c6s42A_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** ;the double mutant(ile44leu+gln102his) of haloalkane dehalogenase dbea from bradyrhizobium elkanii usda94 with an eliminated halide-binding site; **PDB Entry:** PDBe RCSB PDBj
26	c4f5zA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of rhodococcus rhodochrous haloalkane dehalogenase mutant (l95v, a172v). **PDB Entry:** PDBe RCSB PDBj
27	c7yiiA_	Alignment	not modelled	100.0	21	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Non-heme haloperoxidase **PDBTitle:** carboxylesterase - roce **PDB Entry:** PDBe RCSB PDBj
28	c1ek1B_	Alignment	not modelled	99.9	19	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** EPOXIDE HYDROLASE **PDBTitle:** crystal structure of murine soluble epoxide hydrolase complexed with ciu inhibitor **PDB Entry:** PDBe RCSB PDBj
29	c1cqzB_	Alignment	not modelled	99.9	19	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** EPOXIDE HYDROLASE **PDBTitle:** crystal structure of murine soluble epoxide hydrolase. **PDB Entry:** PDBe RCSB PDBj
30	c1cr6B_	Alignment	not modelled	99.9	19	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** EPOXIDE HYDROLASE **PDBTitle:** crystal structure of murine soluble epoxide hydrolase complexed with cpu inhibitor **PDB Entry:** PDBe RCSB PDBj
31	c1bn6A_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** haloalkane dehalogenase from a rhodococcus species **PDB Entry:** PDBe RCSB PDBj
32	c1bn7A_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** haloalkane dehalogenase from a rhodococcus species **PDB Entry:** PDBe RCSB PDBj
33	c8oe2D_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** structure of hyperstable haloalkane dehalogenase variant dhaa223 **PDB Entry:** PDBe RCSB PDBj
34	c8jy1A_	Alignment	not modelled	99.9	20	**PDB header:** plant protein **Chain:** A: **PDB Molecule:** Epoxide hydrolase-2 **PDBTitle:** structure of mangifera indica epoxide hydrolase 2 **PDB Entry:** PDBe RCSB PDBj
35	c4nvrA_	Alignment	not modelled	100.0	19	**PDB header:** transferase **Chain:** A: **PDB Molecule:** Putative acyltransferase **PDBTitle:** 2.22 angstrom resolution crystal structure of a putative acyltransferase from salmonella enterica **PDB Entry:** PDBe RCSB PDBj
36	c7zm4A_	Alignment	not modelled	99.9	21	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** 4, 5:9, 10-diseco-3-hydroxy-5, 9, 17-trioxoandrosta-1(10), 2-diene-4-oate hydrolase **PDBTitle:** crystal structure of hsad from mycobacterium tuberculosis in complex with cyclipostin-like inhibitor cyc31 **PDB Entry:** PDBe RCSB PDBj
37	c4inzA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Soluble epoxide hydrolase **PDBTitle:** the crystal structure of m145a mutant of an epoxide hydrolase from bacillus megaterium **PDB Entry:** PDBe RCSB PDBj
38	c7jqxA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Cif-like 1 wild-type **PDBTitle:** crystal structure of cfl1 wild-type from burkholderia cenocepacia **PDB Entry:** PDBe RCSB PDBj
39	c7jqxD_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Cif-like 1 wild-type **PDBTitle:** crystal structure of cfl1 wild-type from burkholderia cenocepacia **PDB Entry:** PDBe RCSB PDBj
40	c5esrA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of haloalkane dehalogenase (dcca) from caulobacter crescentus **PDB Entry:** PDBe RCSB PDBj
41	c1u2eA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** 2-hydroxy-6-ketonona-2, 4-dienedioic acid hydrolase **PDBTitle:** crystal structure of the c-c bond hydrolase mhpc **PDB Entry:** PDBe RCSB PDBj
42	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 involved in the carbazole degradation (carc enzyme) **PDB Entry:** PDBe RCSB PDBj
43	c4y7dA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta hydrolase fold protein **PDBTitle:** alpha/beta hydrolase fold protein from nakamurella multipartita **PDB Entry:** PDBe RCSB PDBj
44	c4f0jA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Probable hydrolytic enzyme **PDBTitle:** crystal structure of a probable hydrolytic enzyme (pa3053) from pseudomonas aeruginosa pao1 at 1.50 a resolution **PDB Entry:** PDBe RCSB PDBj
45	c4c6hA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** haloalkane dehalogenase with 1-hexanol **PDB Entry:** PDBe RCSB PDBj

46	c7jqzD_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Alpha/beta hydrolase fold **PDBTitle:** crystal structure of cfl2 wild-type from burkholderia cenocepacia **PDB Entry:** PDBe RCSB PDBj
47	c4psuA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta hydrolase **PDBTitle:** crystal structure of alpha/beta hydrolase from rhodopseudomonas palustris cga009 **PDB Entry:** PDBe RCSB PDBj
48	c2v9zA_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** structure of the rhodococcus haloalkane dehalogenase mutant with enhanced enantioselectivity **PDB Entry:** PDBe RCSB PDBj
49	c7otsA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Monoacylglycerol lipase ABHD6 **PDBTitle:** crystal structure of human monoacylglycerol lipase abhd6 in complex with oleic acid and octyl glucoside **PDB Entry:** PDBe RCSB PDBj
50	c4h7jA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of haloalkane dehalogenase linb h247a mutant from sphingobium sp. mi1205 **PDB Entry:** PDBe RCSB PDBj
51	c6kxhB_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Putative hydrolase **PDBTitle:** alp1u_y247f mutant in complex with fluostatin c **PDB Entry:** PDBe RCSB PDBj
52	c7omoA_	Alignment	not modelled	100.0	19	**PDB header:** luminescent protein **Chain:** A: **PDB Molecule:** Renilla reniformis luciferase RLuc8-D120A variant **PDBTitle:** crystal structure of coelenteramine-bound renilla reniformis luciferase rluc8-d120a variant **PDB Entry:** PDBe RCSB PDBj
53	c1cv2A_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** hydrolytic haloalkane dehalogenase linb from sphingomonas paucimobilis ut26 at 1.6 a resolution **PDB Entry:** PDBe RCSB PDBj
54	c3b12A_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Fluoroacetate dehalogenase **PDBTitle:** crystal structure of the fluoroacetate dehalogenase d104 mutant from burkholderia sp. fa1 in complex with fluoroacetate **PDB Entry:** PDBe RCSB PDBj
55	c2yxpA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** ;the effect of deuteration on protein structure a high resolution comparison of hydrogenous and perdeuterated haloalkane dehalogenase; **PDB Entry:** PDBe RCSB PDBj
56	c8sddA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta hydrolase fold protein **PDBTitle:** crystal structure of fluoroacetate dehalogenase daro3835 h274n mutant with d107-glycolyl intermediate **PDB Entry:** PDBe RCSB PDBj
57	c8ynvA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** poly(3-hydroxybutyrate) depolymerase **PDBTitle:** poly(3-hydroxybutyrate) depolymerase phaz from bacillus thuringiensis **PDB Entry:** PDBe RCSB PDBj
58	c6zvuA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** ;x-ray structure of the haloalkane dehalogenase halotag7-p174l labeled with a chloroalkane-tetramethylrhodamine fluorophore substrate; **PDB Entry:** PDBe RCSB PDBj
59	c3qyjA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alr0039 protein **PDBTitle:** crystal structure of alr0039, a putative alpha/beta hydrolase from nostoc sp pcc 7120. **PDB Entry:** PDBe RCSB PDBj
60	c3a2lB_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of dbja (mutant dbja delta) **PDB Entry:** PDBe RCSB PDBj
61	c4ufoA_	Alignment	not modelled	99.9	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** EPOXIDE HYDROLASE **PDBTitle:** laboratory evolved variant r-c1b1d33e6 of potato epoxide hydrolase steh1 **PDB Entry:** PDBe RCSB PDBj
62	c1b6gA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** haloalkane dehalogenase at ph 5.0 containing chloride **PDB Entry:** PDBe RCSB PDBj
63	c8b5kA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase DhaA **PDBTitle:** structure of haloalkane dehalogenase dmmara from mycobacterium marinum at ph 6.5 **PDB Entry:** PDBe RCSB PDBj
64	c2psfA_	Alignment	not modelled	100.0	19	**PDB header:** oxidoreductase **Chain:** A: **PDB Molecule:** Renilla-luciferin 2-monooxygenase **PDBTitle:** crystal structures of the luciferase and green fluorescent protein from renilla reniformis **PDB Entry:** PDBe RCSB PDBj
65	c6n5hA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase/inhibitor **Chain:** A: **PDB Molecule:** Epoxide hydrolase TrEH **PDBTitle:** crystal structure of an epoxide hydrolase from trichoderma reesei in complex with inhibitor 5 **PDB Entry:** PDBe RCSB PDBj
66	c1a7uA_	Alignment	not modelled	100.0	19	**PDB header:** haloperoxidase **Chain:** A: **PDB Molecule:** CHLOROPEROXIDASE T **PDBTitle:** chloroperoxidase t **PDB Entry:** PDBe RCSB PDBj

67	c1a8uA_	Alignment	not modelled	100.0	19	**PDB header:** haloperoxidase **Chain:** A: **PDB Molecule:** CHLOROPEROXIDASE T **PDBTitle:** chloroperoxidase t/benzoate complex **PDB Entry:** PDBe RCSB PDBj
68	c8zexA_	Alignment	not modelled	100.0	18	**PDB header:** fluorescent protein **Chain:** A: **PDB Molecule:** HaloKbp1a **PDBTitle:** biosensor halokbp1a **PDB Entry:** PDBe RCSB PDBj
69	c4dlnB_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Putative hydrolase **PDBTitle:** crystal structure of the cftr inhibitory factor cif with the d129s mutation **PDB Entry:** PDBe RCSB PDBj
70	c6s06A_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of haloalkane dehalogenase linb d147c+l177c mutant (linb73) from sphingobium japonicum ut26 **PDB Entry:** PDBe RCSB PDBj
71	c2pujA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** 2-hydroxy-6-oxo-6-phenylhexa-2, 4-dienoate hydrolase **PDBTitle:** ;crystal structure of the s112a/h265a double mutant of a c-c hydrolase, bphd from burkholderia xenovorans lb400, in complex with its substrate hopda; **PDB Entry:** PDBe RCSB PDBj
72	c4eusD_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Putative hydrolase **PDBTitle:** crystal structure of the cftr inhibitory factor cif bound to 1,2-hexanediol **PDB Entry:** PDBe RCSB PDBj
73	c4eusA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Putative hydrolase **PDBTitle:** crystal structure of the cftr inhibitory factor cif bound to 1,2-hexanediol **PDB Entry:** PDBe RCSB PDBj
74	c4yx9D_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase/hydrolase inhibitor **Chain:** D: **PDB Molecule:** CFTR inhibitory factor **PDBTitle:** crystal structure of the cftr inhibitory factor cif bound to tiratricol **PDB Entry:** PDBe RCSB PDBj
75	c8f6uA_	Alignment	not modelled	100.0	18	**PDB header:** immune system **Chain:** A: **PDB Molecule:** CFTR inhibitory factor **PDBTitle:** crystal structure of nanobody vhh113 bound to its antigen pa14 cif **PDB Entry:** PDBe RCSB PDBj
76	c8gjrA_	Alignment	not modelled	100.0	18	**PDB header:** immune system **Chain:** A: **PDB Molecule:** CFTR inhibitory factor **PDBTitle:** crystal structure of nanobody vhh114 bound to its antigen pa14 cif **PDB Entry:** PDBe RCSB PDBj
77	c2xt0A_	Alignment	not modelled	99.9	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** dehalogenase dppa from plesiocystis pacifica sir-i **PDB Entry:** PDBe RCSB PDBj
78	c2xuaB_	Alignment	not modelled	100.0	20	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** 3-OXOADIPATE ENOL-LACTONASE **PDBTitle:** crystal structure of the enol-lactonase from burkholderia xenovorans lb400 **PDB Entry:** PDBe RCSB PDBj
79	c1ehyA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** PROTEIN (SOLUBLE EPOXIDE HYDROLASE) **PDBTitle:** x-ray structure of the epoxide hydrolase from agrobacterium radiobacter ad1 **PDB Entry:** PDBe RCSB PDBj
80	c4nzzA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Soluble epoxide hydrolase **PDBTitle:** crystal structure of epoxide hydrolase from bacillus megaterium **PDB Entry:** PDBe RCSB PDBj
81	c8ckpI_	Alignment	not modelled	100.0	18	**PDB header:** unknown function **Chain:** I: **PDB Molecule:** Alpha/beta fold hydrolase **PDBTitle:** x-ray structure of the crystallization-prone form of subfamily iii haloalkane dehalogenase dhmea from haloferax mediterranei **PDB Entry:** PDBe RCSB PDBj
82	c8hgwD_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Monoalkyl phthalate hydrolase **PDBTitle:** crystal structure of mehph in complex with mbp **PDB Entry:** PDBe RCSB PDBj
83	c4uhbA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** EPOXIDE HYDROLASE **PDBTitle:** laboratory evolved variant r-c1 of potato epoxide hydrolase steh1 **PDB Entry:** PDBe RCSB PDBj
84	c4zwnB_	Alignment	not modelled	99.9	17	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Monoglyceride lipase **PDBTitle:** crystal structure of a soluble variant of the monoglyceride lipase from saccharomyces cerevisiae **PDB Entry:** PDBe RCSB PDBj
85	c4rncA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Esterase **PDBTitle:** crystal structure of an esterase rhest1 from rhodococcus sp. ecu1013 **PDB Entry:** PDBe RCSB PDBj
86	c8oohB_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Alpha/beta fold hydrolase **PDBTitle:** ;cryo-em map of the focused refinement of the subfamily iii haloalkane dehalogenase from haloferax mediterranei dimer forming hexameric assembly.; **PDB Entry:** PDBe RCSB PDBj

87	c3om8B_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Probable hydrolase **PDBTitle:** the crystal structure of a hydrolase from pseudomonas aeruginosa pa01 **PDB Entry:** PDBe RCSB PDBj
88	c5jkjA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Esterase E22 **PDBTitle:** crystal structure of esterase e22 l374d mutant **PDB Entry:** PDBe RCSB PDBj
89	c8agpA_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta epoxide hydrolase **PDBTitle:** halogenated product of limonene epoxide turnover by epoxide hydrolase from metagenomic source ch65 **PDB Entry:** PDBe RCSB PDBj
90	c4uhhA_	Alignment	not modelled	99.9	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** ESTERASE **PDBTitle:** structural studies of a thermophilic esterase from thermogutta terrifontis (cacodylate complex) **PDB Entry:** PDBe RCSB PDBj
91	c5egnA_	Alignment	not modelled	100.0	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Esterase **PDBTitle:** est816 as an n-acyl homoserine lactone degrading enzyme **PDB Entry:** PDBe RCSB PDBj
92	c1broA_	Alignment	not modelled	99.9	18	**PDB header:** haloperoxidase **Chain:** A: **PDB Molecule:** BROMOPEROXIDASE A2 **PDBTitle:** bromoperoxidase a2 **PDB Entry:** PDBe RCSB PDBj
93	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 trichoderma reesei **PDB Entry:** PDBe RCSB PDBj
94	c1brtA_	Alignment	not modelled	99.9	18	**PDB header:** haloperoxidase **Chain:** A: **PDB Molecule:** BROMOPEROXIDASE A2 **PDBTitle:** bromoperoxidase a2 mutant m99t **PDB Entry:** PDBe RCSB PDBj
95	c4uhfA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** ESTERASE **PDBTitle:** structural studies of a thermophilic esterase from thermogutta terrifontis (l37a mutant with butyrate bound) **PDB Entry:** PDBe RCSB PDBj
96	c6i8wA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta fold hydrolase **PDBTitle:** crystal structure of a membrane phospholipase a, a novel bacterial virulence factor **PDB Entry:** PDBe RCSB PDBj
97	c3wmrA_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Proline iminopeptidase **PDBTitle:** crystal structure of vinj **PDB Entry:** PDBe RCSB PDBj
98	c3wi7A_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase **PDBTitle:** crystal structure of the novel haloalkane dehalogenase data from agrobacterium tumefaciens c58 **PDB Entry:** PDBe RCSB PDBj
99	c4qlaA_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Juvenile hormone epoxide hydrolase **PDBTitle:** crystal structure of juvenile hormone epoxide hydrolase from the silkworm bombyx mori **PDB Entry:** PDBe RCSB PDBj
100	c3rm3A_	Alignment	not modelled	99.9	20	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Thermostable monoacylglycerol lipase **PDBTitle:** crystal structure of monoacylglycerol lipase from bacillus sp. h257 **PDB Entry:** PDBe RCSB PDBj
101	c7al6A_	Alignment	not modelled	99.9	17	**PDB header:** unknown function **Chain:** A: **PDB Molecule:** Probable hydrolase **PDBTitle:** crystal structure of the hypothetical protein pa1622 from pseudomonas aeruginosa pao1 **PDB Entry:** PDBe RCSB PDBj
102	c5mxpA_	Alignment	not modelled	99.9	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta hydrolase **PDBTitle:** haloalkane dehalogenase dmxa from marinobacter sp. elb17 possessing a unique catalytic residue **PDB Entry:** PDBe RCSB PDBj
103	c4mxdA_	Alignment	not modelled	100.0	19	**PDB header:** lyase **Chain:** A: **PDB Molecule:** 2-succinyl-6-hydroxy-2, 4-cyclohexadiene-1-carboxylate synthase **PDBTitle:** 1.45 angstronm crystal structure of e.coli 2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (menh) **PDB Entry:** PDBe RCSB PDBj
104	c7ac0A_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Soluble epoxide hydrolase **PDBTitle:** epoxide hydrolase coreh without ligand **PDB Entry:** PDBe RCSB PDBj
105	c3kxpA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha-(N-acetylaminomethylene)succinic acid hydrolase **PDBTitle:** crystal structure of e-2-(acetamidomethylene)succinate hydrolase **PDB Entry:** PDBe RCSB PDBj
106	c3kxpD_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Alpha-(N-acetylaminomethylene)succinic acid hydrolase **PDBTitle:** crystal structure of e-2-(acetamidomethylene)succinate hydrolase **PDB Entry:** PDBe RCSB PDBj
107	c7ac0D_	Alignment	not modelled	99.9	17	**PDB header:** hydrolase **Chain:** D: **PDB Molecule:** Soluble epoxide hydrolase **PDBTitle:** epoxide hydrolase coreh without ligand **PDB Entry:** PDBe RCSB PDBj

108	c8hgvA_	Alignment	not modelled	99.9	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Monoethylhexylphthalate hydrolase **PDBTitle:** crystal structure of monoalkyl phthalate hydrolase mehph **PDB Entry:** PDBe RCSB PDBj
109	c5a62A_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** PUTATIVE ALPHA/BETA HYDROLASE FOLD PROTEIN **PDBTitle:** ;hydrolytic potential of the ammonia-oxidizing thaumarchaeon nitrososphaera gargenis - crystal structure and activity profiles of carboxylesterases linked to their metabolic function; **PDB Entry:** PDBe RCSB PDBj
110	c1a88A_	Alignment	not modelled	100.0	17	**PDB header:** haloperoxidase **Chain:** A: **PDB Molecule:** CHLOROPEROXIDASE L **PDBTitle:** chloroperoxidase l **PDB Entry:** PDBe RCSB PDBj
111	c6azbA_	Alignment	not modelled	100.0	18	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Pp-KAI2-like E **PDBTitle:** crystal structure of physcomitrella patens kai2-like e **PDB Entry:** PDBe RCSB PDBj
112	c7avrA_	Alignment	not modelled	99.9	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Haloalkane dehalogenase 1 **PDBTitle:** the tetrameric structure of haloalkane dehalogenase dpaa from paraglaciecola agarilytica no2 **PDB Entry:** PDBe RCSB PDBj
113	c7e04A_	Alignment	not modelled	99.9	19	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Lipase **PDBTitle:** crystal structure of bomgl, a monoacylglycerol lipase from marine bacillus sp. **PDB Entry:** PDBe RCSB PDBj
114	c5yhpB_	Alignment	not modelled	99.9	16	**PDB header:** hydrolase **Chain:** B: **PDB Molecule:** Cold active proline iminopeptidase **PDBTitle:** proline iminopeptidase from psychrophilic yeast glaciozyma antarctica **PDB Entry:** PDBe RCSB PDBj
115	c3nwoA_	Alignment	not modelled	99.9	16	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Proline iminopeptidase **PDBTitle:** crystal structure of proline iminopeptidase mycobacterium smegmatis **PDB Entry:** PDBe RCSB PDBj
116	c1c4xA_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** PROTEIN (2-HYDROXY-6-OXO-6-PHENYLHEXA-2, 4-DIENOATE HYDROLASE) **PDBTitle:** 2-hydroxy-6-oxo-6-phenylhexa-2,4-dienoate hydrolase (bphd) from rhodococcus sp. strain rha1 **PDB Entry:** PDBe RCSB PDBj
117	c4brzA_	Alignment	not modelled	100.0	16	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** HALOALKANE DEHALOGENASE **PDBTitle:** haloalkane dehalogenase **PDB Entry:** PDBe RCSB PDBj
118	c3bwxA_	Alignment	not modelled	100.0	17	**PDB header:** hydrolase **Chain:** A: **PDB Molecule:** Alpha/beta hydrolase **PDBTitle:** crystal structure of an alpha/beta hydrolase (yp_496220.1) from novosphingobium aromaticivorans dsm 12444 at 1.50 a resolution **PDB Entry:** PDBe RCSB PDBj
119	c3fobA_	Alignment	not modelled	99.9	17	**PDB header:** oxidoreductase **Chain:** A: **PDB Molecule:** Bromoperoxidase **PDBTitle:** crystal structure of bromoperoxidase from bacillus anthracis **PDB Entry:** PDBe RCSB PDBj
120	c8v16C_	Alignment	not modelled	99.9	17	**PDB header:** hydrolase **Chain:** C: **PDB Molecule:** Esterase 1 **PDBTitle:** esterase with a monomeric cooperative, hysteresis or allokairy **PDB Entry:** PDBe RCSB PDBj