Phyre2

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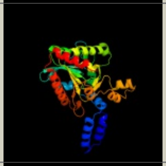
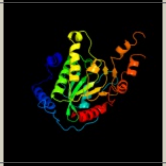
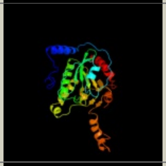
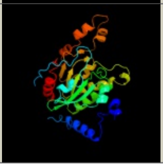
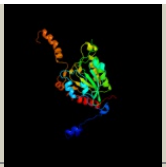
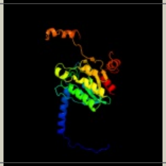
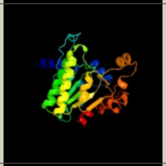
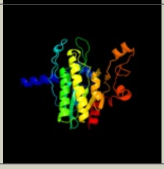
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2f9ya1	Alignment		100.0	99	**Fold:** ClpP/crotonase **Superfamily:** ClpP/crotonase **Family:** Biotin dependent carboxylase carboxyltransferase domain
2	c2f9iC_	Alignment		100.0	54	**PDB header:** transferase **Chain:** C: **PDB Molecule:** acetyl-coenzyme a carboxylase carboxyl **PDBTitle:** crystal structure of the carboxyltransferase subunit of acc2 from staphylococcus aureus
3	c3glmD_	Alignment		100.0	15	**PDB header:** lyase **Chain:** D: **PDB Molecule:** glutaconyl-coa decarboxylase subunit a; **PDBTitle:** glutaconyl-coa decarboxylase a subunit from clostridium2 symbiosum co-crystallized with crotonyl-coa
4	c1on3E_	Alignment		100.0	22	**PDB header:** transferase **Chain:** E: **PDB Molecule:** methylmalonyl-coa carboxyltransferase 12s **PDBTitle:** transcarboxylase 12s crystal structure: hexamer assembly2 and substrate binding to a multienzyme core (with3 methylmalonyl-coenzyme a and methylmalonic acid bound)
5	c1x0uB_	Alignment		100.0	23	**PDB header:** lyase **Chain:** B: **PDB Molecule:** hypothetical methylmalonyl-coa decarboxylase alpha subunit; **PDBTitle:** crystal structure of the carboxyl transferase subunit of putative pcc2 of sulfolobus tokodaii
6	c2a7sD_	Alignment		100.0	21	**PDB header:** ligase **Chain:** D: **PDB Molecule:** probable propionyl-coa carboxylase beta chain 5; **PDBTitle:** crystal structure of the acyl-coa carboxylase, accd5, from2 mycobacterium tuberculosis
7	c1vrgE_	Alignment		100.0	22	**PDB header:** ligase **Chain:** E: **PDB Molecule:** propionyl-coa carboxylase, beta subunit; **PDBTitle:** crystal structure of propionyl-coa carboxylase, beta subunit (tm0716)2 from thermotoga maritima at 2.30 a resolution
8	c3n6rF_	Alignment		100.0	20	**PDB header:** ligase **Chain:** F: **PDB Molecule:** propionyl-coa carboxylase, beta subunit; **PDBTitle:** crystal structure of the holoenzyme of propionyl-coa carboxylase (pcc)
9	d1pixa3	Alignment		100.0	16	**Fold:** ClpP/crotonase **Superfamily:** ClpP/crotonase **Family:** Biotin dependent carboxylase carboxyltransferase domain
10	c3u9rB_	Alignment		100.0	17	**PDB header:** ligase **Chain:** B: **PDB Molecule:** methylcrotonyl-coa carboxylase, beta-subunit; **PDBTitle:** crystal structure of p. aeruginosa 3-methylcrotonyl-coa carboxylase2 (mcc), beta subunit
11	c1xnwD_	Alignment		100.0	21	**PDB header:** ligase **Chain:** D: **PDB Molecule:** propionyl-coa carboxylase complex b subunit; **PDBTitle:** acyl-coa carboxylase beta subunit from s. coelicolor (pccb),2 apo form #2, mutant d422i

12	c1pixB_	Alignment		100.0	15	**PDB header:**lyase **Chain:** B: **PDB Molecule:**glutaconyl-coa decarboxylase a subunit; **PDBTitle:** crystal structure of the carboxyltransferase subunit of the2 bacterial ion pump glutaconyl-coenzyme a decarboxylase
13	d2a7sa2	Alignment		100.0	25	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
14	d1on3a2	Alignment		100.0	24	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
15	d1xnya2	Alignment		100.0	22	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
16	d1vrga2	Alignment		100.0	26	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
17	d1pixa2	Alignment		100.0	15	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
18	d1on3a1	Alignment		100.0	19	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
19	d1vrga1	Alignment		100.0	14	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
20	d1xnya1	Alignment		100.0	20	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
21	d2a7sa1	Alignment	not modelled	100.0	19	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
22	c2f9yB_	Alignment	not modelled	100.0	20	**PDB header:**ligase **Chain:** B: **PDB Molecule:**acetyl-coenzyme a carboxylase carboxyl transferase subunit **PDBTitle:** the crystal structure of the carboxyltransferase subunit of acc from2 escherichia coli
23	d2f9yb1	Alignment	not modelled	100.0	20	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
24	c2f9iD_	Alignment	not modelled	100.0	20	**PDB header:**transferase **Chain:** D: **PDB Molecule:**acetyl-coenzyme a carboxylase carboxyl **PDBTitle:** crystal structure of the carboxyltransferase subunit of acc2 from staphylococcus aureus
25	c2x24B_	Alignment	not modelled	100.0	18	**PDB header:**ligase **Chain:** B: **PDB Molecule:**acetyl-coa carboxylase; **PDBTitle:** bovine acc2 ct domain in complex with inhibitor
26	c3ff6D_	Alignment	not modelled	100.0	18	**PDB header:**ligase **Chain:** D: **PDB Molecule:**acetyl-coa carboxylase 2; **PDBTitle:** human acc2 ct domain with cp-640186
27	c1od4C_	Alignment	not modelled	100.0	14	**PDB header:**ligase **Chain:** C: **PDB Molecule:**acetyl-coenzyme a carboxylase; **PDBTitle:** acetyl-coa carboxylase carboxyltransferase domain
28	c1uytC_	Alignment	not modelled	100.0	15	**PDB header:**transferase **Chain:** C: **PDB Molecule:**acetyl-coa carboxylase; **PDBTitle:** acetyl-coa carboxylase carboxyltransferase domain
						PDB header:transferase

29	c3h0jA_	Alignment	not modelled	100.0	15	**Chain:** A: **PDB Molecule:**acetyl-coa carboxylase; **PDBTitle:** crystal structure of the carboxyltransferase domain of2 acetyl-coenzyme a carboxylase in complex with compound 2
30	d1uyra2	Alignment	not modelled	99.9	18	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
31	d1uyra1	Alignment	not modelled	99.9	17	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Biotin dependent carboxylase carboxyltransferase domain
32	c3r6hA_	Alignment	not modelled	99.2	13	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase, echa3; **PDBTitle:** crystal structure of an enoyl-coa hydratase (echa3) from mycobacterium2 marinum
33	c2fbmB_	Alignment	not modelled	99.2	16	**PDB header:**structural genomics, unknown function **Chain:** B: **PDB Molecule:**y chromosome chromodomain protein 1, telomeric isoform b; **PDBTitle:** acetyltransferase domain of cdy1
34	d2a7ka1	Alignment	not modelled	99.2	11	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
35	c3peaD_	Alignment	not modelled	99.1	10	**PDB header:**isomerase **Chain:** D: **PDB Molecule:**enoyl-coa hydratase/isomerase family protein; **PDBTitle:** crystal structure of enoyl-coa hydratase from bacillus anthracis str.2 'ames ancestor'
36	c2q35A_	Alignment	not modelled	99.1	13	**PDB header:**lyase **Chain:** A: **PDB Molecule:**curf; **PDBTitle:** crystal structure of the y82f variant of ech2 decarboxylase domain of2 curf from lyngbya majuscula
37	d2fw2a1	Alignment	not modelled	99.1	16	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
38	c2f6qA_	Alignment	not modelled	99.1	19	**PDB header:**isomerase **Chain:** A: **PDB Molecule:**peroxisomal 3,2-trans-enoyl-coa isomerase; **PDBTitle:** the crystal structure of human peroxisomal delta3, delta2 enoyl coa2 isomerase (peci)
39	c3fduF_	Alignment	not modelled	99.1	18	**PDB header:**isomerase **Chain:** F: **PDB Molecule:**putative enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of a putative enoyl-coa hydratase/isomerase from2 acinetobacter baumannii
40	d1xx4a_	Alignment	not modelled	99.1	15	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
41	c3i47A_	Alignment	not modelled	99.1	17	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl coa hydratase/isomerase (crotonase); **PDBTitle:** crystal structure of putative enoyl coa hydratase/isomerase2 (crotonase) from legionella pneumophila subsp. pneumophila str.3 philadelphia 1
42	c2ej5B_	Alignment	not modelled	99.1	15	**PDB header:**lyase **Chain:** B: **PDB Molecule:**enoyl-coa hydratase subunit ii; **PDBTitle:** crystal structure of gk2038 protein (enoyl-coa hydratase subunit ii)2 from geobacillus kaustophilus
43	d1nzya_	Alignment	not modelled	99.1	15	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
44	c3rrvC_	Alignment	not modelled	99.1	17	**PDB header:**isomerase **Chain:** C: **PDB Molecule:**enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
45	c3lkeA_	Alignment	not modelled	99.1	13	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of enoyl-coa hydratase from bacillus2 halodurans
46	c2vx2D_	Alignment	not modelled	99.1	15	**PDB header:**isomerase **Chain:** D: **PDB Molecule:**enoyl-coa hydratase domain-containing protein 3; **PDBTitle:** crystal structure of human enoyl coenzyme a hydratase2 domain-containing protein 3 (echdc3)
47	d1wz8a1	Alignment	not modelled	99.0	16	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
48	d2f6qa1	Alignment	not modelled	99.0	20	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
49	c3hrxD_	Alignment	not modelled	99.0	20	**PDB header:**lyase **Chain:** D: **PDB Molecule:**probable enoyl-coa hydratase; **PDBTitle:** crystal structure of phenylacetic acid degradation protein paag
50	c3mybA_	Alignment	not modelled	99.0	13	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of enoyl-coa hydratase mycobacterium smegmatis
51	d1uiya_	Alignment	not modelled	99.0	20	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
52	c3oc7A_	Alignment	not modelled	99.0	14	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of an enoyl-coa hydratase from mycobacterium avium
53	c3kqfC_	Alignment	not modelled	99.0	14	**PDB header:**isomerase **Chain:** C: **PDB Molecule:**enoyl-coa hydratase/isomerase family protein; **PDBTitle:** 1.8 angstrom resolution crystal structure of enoyl-coa hydratase from2 bacillus anthracis.
						PDB header:hydrolase

54	c3isaA_	Alignment	not modelled	99.0	12	**Chain:** A: **PDB Molecule:**putative enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of putative enoyl-coa hydratase/isomerase from2 bordetella parapertussis
55	d1dcia_	Alignment	not modelled	99.0	16	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
56	c2qq3F_	Alignment	not modelled	99.0	12	**PDB header:**lyase **Chain:** F: **PDB Molecule:**enoyl-coa hydratase subunit i; **PDBTitle:** crystal structure of enoyl-coa hydrates subunit i (gk_2039)2 other form from geobacillus kaustophilus hta426
57	c3q1tB_	Alignment	not modelled	99.0	11	**PDB header:**lyase **Chain:** B: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of enoyl-coa hydratase from mycobacterium avium
58	c3l3sF_	Alignment	not modelled	99.0	14	**PDB header:**isomerase **Chain:** F: **PDB Molecule:**enoyl-coa hydratase/isomerase family protein; **PDBTitle:** crystal structure of an enoyl-coa hydrotase/isomerase family2 protein from silicibacter pomeroyi
59	d1sg4a1	Alignment	not modelled	99.0	14	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
60	c3omeE_	Alignment	not modelled	99.0	16	**PDB header:**lyase **Chain:** E: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of a probable enoyl-coa hydratase from mycobacterium2 smegmatis
61	c3g64A_	Alignment	not modelled	99.0	15	**PDB header:**lyase **Chain:** A: **PDB Molecule:**putative enoyl-coa hydratase; **PDBTitle:** crystal structure of putative enoyl-coa hydratase from streptomyces2 coelicolor a3(2)
62	d1hzda_	Alignment	not modelled	99.0	14	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
63	c3njbA_	Alignment	not modelled	98.9	15	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of enoyl-coa hydratase from mycobacterium smegmatis,2 iodide soak
64	c3moyA_	Alignment	not modelled	98.9	16	**PDB header:**lyase **Chain:** A: **PDB Molecule:**probable enoyl-coa hydratase; **PDBTitle:** crystal structure of probable enoyl-coa hydratase from mycobacterium2 smegmatis
65	c3p5mB_	Alignment	not modelled	98.9	21	**PDB header:**isomerase **Chain:** B: **PDB Molecule:**enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium avium
66	c3rsiA_	Alignment	not modelled	98.9	16	**PDB header:**isomerase **Chain:** A: **PDB Molecule:**putative enoyl-coa hydratase/isomerase; **PDBTitle:** the structure of a putative enoyl-coa hydratase/isomerase from2 mycobacterium abscessus atcc 19977 / dsm 44196
67	c2ppyE_	Alignment	not modelled	98.9	14	**PDB header:**lyase **Chain:** E: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure of enoyl-coa hydrates (gk_1992) from geobacillus2 kaustophilus hta426
68	d1pjha_	Alignment	not modelled	98.9	16	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
69	c2iexA_	Alignment	not modelled	98.9	16	**PDB header:**lyase **Chain:** A: **PDB Molecule:**dihydroxynapthoic acid synthetase; **PDBTitle:** crystal structure of dihydroxynapthoic acid synthetase (gk2873) from2 geobacillus kaustophilus hta426
70	c3h0uB_	Alignment	not modelled	98.9	17	**PDB header:**lyase **Chain:** B: **PDB Molecule:**putative enoyl-coa hydratase; **PDBTitle:** crystal structure of a putative enoyl-coa hydratase from2 streptomyces avermitilis
71	d1ef8a_	Alignment	not modelled	98.9	15	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
72	c3ot6A_	Alignment	not modelled	98.9	13	**PDB header:**isomerase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase/isomerase family protein; **PDBTitle:** crystal structure of an enoyl-coa hydratase/isomerase family protein2 from psudomonas syringae
73	d1rjma_	Alignment	not modelled	98.9	19	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
74	d1q52a_	Alignment	not modelled	98.9	16	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
75	c3h81A_	Alignment	not modelled	98.9	12	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase echa8; **PDBTitle:** crystal structure of enoyl-coa hydratase from mycobacterium2 tuberculosis
76	c3qmjA_	Alignment	not modelled	98.9	14	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase, echa8_6; **PDBTitle:** crystal structure of enoyl-coa hydratase echa8_6 from mycobacterium2 marinum
77	c3sllC_	Alignment	not modelled	98.9	15	**PDB header:**isomerase **Chain:** C: **PDB Molecule:**probable enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of a probable enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
78	c3hp0B_	Alignment	not modelled	98.9	15	**PDB header:**lyase **Chain:** B: **PDB Molecule:**putative polyketide biosynthesis enoyl-coa **PDBTitle:** crystal structure of a putative polyketide biosynthesis2 enoyl-coa hydratase (pksh) from bacillus subtilis
						PDB header:lyase **Chain:** C: **PDB Molecule:**menb;

79	c1rjnC_	Alignment	not modelled	98.8	18	**PDBTitle:** the crystal structure of menb (rv0548c) from mycobacterium2 tuberculosis in complex with the coa portion of naphthoyl coa
80	c3hinA_	Alignment	not modelled	98.8	14	**PDB header:**lyase **Chain:** A: **PDB Molecule:**putative 3-hydroxybutyryl-coa dehydratase; **PDBTitle:** crystal structure of putative enoyl-coa hydratase from2 rhodopseudomonas palustris cga009
81	d2f6ia1	Alignment	not modelled	98.8	17	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Clp protease, ClpP subunit
82	c3ju1A_	Alignment	not modelled	98.8	15	**PDB header:**lyase, isomerase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase/isomerase family protein; **PDBTitle:** crystal structure of enoyl-coa hydratase/isomerase family protein
83	c3h02F_	Alignment	not modelled	98.8	17	**PDB header:**lyase **Chain:** F: **PDB Molecule:**naphthoate synthase; **PDBTitle:** 2.15 angstrom resolution crystal structure of naphthoate synthase from2 salmonella typhimurium.
84	c3p85A_	Alignment	not modelled	98.8	15	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** crystal structure enoyl-coa hydratase from mycobacterium avium
85	c3gkbA_	Alignment	not modelled	98.8	17	**PDB header:**structural genomics, unknown function **Chain:** A: **PDB Molecule:**putative enoyl-coa hydratase; **PDBTitle:** crystal structure of a putative enoyl-coa hydratase from streptomyces2 avermitilis
86	d1mj3a_	Alignment	not modelled	98.8	15	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
87	c3bptA_	Alignment	not modelled	98.8	12	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**3-hydroxyisobutyryl-coa hydrolase; **PDBTitle:** crystal structure of human beta-hydroxyisobutyryl-coa hydrolase in2 complex with quercetin
88	d1wdka4	Alignment	not modelled	98.8	14	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
89	d1y7oa1	Alignment	not modelled	98.8	24	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Clp protease, ClpP subunit
90	c2j5iF_	Alignment	not modelled	98.8	17	**PDB header:**lyase **Chain:** F: **PDB Molecule:**p-hydroxycinnamoyl coa hydratase/lyase; **PDBTitle:** crystal structure of hydroxycinnamoyl-coa hydratase-lyase
91	c2f6iG_	Alignment	not modelled	98.8	18	**PDB header:**hydrolase **Chain:** G: **PDB Molecule:**atp-dependent clp protease, putative; **PDBTitle:** crystal structure of the clpp protease catalytic domain from2 plasmodium falciparum
92	d2cbya1	Alignment	not modelled	98.8	18	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Clp protease, ClpP subunit
93	c2hw5F_	Alignment	not modelled	98.8	16	**PDB header:**lyase **Chain:** F: **PDB Molecule:**enoyl-coa hydratase; **PDBTitle:** the crystal structure of human enoyl-coenzyme a (coa) hydratase short2 chain 1, echs1
94	c3q7hM_	Alignment	not modelled	98.8	22	**PDB header:**hydrolase **Chain:** M: **PDB Molecule:**atp-dependent clp protease proteolytic subunit; **PDBTitle:** structure of the clpp subunit of the atp-dependent clp protease from2 coxiella burnetii
95	d1szoa_	Alignment	not modelled	98.8	10	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Crotonase-like
96	c3he2C_	Alignment	not modelled	98.8	12	**PDB header:**lyase **Chain:** C: **PDB Molecule:**enoyl-coa hydratase echa6; **PDBTitle:** crystal structure of enoyl-coa hydratase from mycobacterium2 tuberculosis
97	d1yg6a1	Alignment	not modelled	98.8	25	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Clp protease, ClpP subunit
98	c3qxiA_	Alignment	not modelled	98.8	15	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase echa1; **PDBTitle:** crystal structure of enoyl-coa hydratase echa1 from mycobacterium2 marinum
99	c1y7oE_	Alignment	not modelled	98.7	24	**PDB header:**hydrolase **Chain:** E: **PDB Molecule:**atp-dependent clp protease proteolytic subunit; **PDBTitle:** the structure of streptococcus pneumoniae a153p clpp
100	c3qxzA_	Alignment	not modelled	98.7	18	**PDB header:**lyase,isomerase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of a probable enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
101	c2cbyG_	Alignment	not modelled	98.7	19	**PDB header:**hydrolase **Chain:** G: **PDB Molecule:**atp-dependent clp protease proteolytic subunit 1; **PDBTitle:** crystal structure of the atp-dependent clp protease2 proteolytic subunit 1 (clpp1) from mycobacterium3 tuberculosis
102	c2j5gL_	Alignment	not modelled	98.7	16	**PDB header:**hydrolase **Chain:** L: **PDB Molecule:**alr4455 protein; **PDBTitle:** the native structure of a beta-diketone hydrolase from the2 cyanobacterium anabaena sp. pcc 7120
103	c3qkaB_	Alignment	not modelled	98.7	17	**PDB header:**lyase **Chain:** B: **PDB Molecule:**enoyl-coa hydratase, echa5; **PDBTitle:** crystal structure of enoyl-coa hydratase echa5 from mycobacterium2 marinum
						PDB header:hydrolase **Chain:** G: **PDB Molecule:**putative atp-dependent clp protease

104	c1tg6G_	Alignment	not modelled	98.7	20	proteolytic subunit; **PDBTitle:** crystallography and mutagenesis point to an essential role for the n-2 terminus of human mitochondrial clpp
105	c3bezC_	Alignment	not modelled	98.7	21	**PDB header:**hydrolase **Chain:** C: **PDB Molecule:**protease 4; **PDBTitle:** crystal structure of escherichia coli signal peptide peptidase (sppa),2 semet crystals
106	c3kthD_	Alignment	not modelled	98.7	23	**PDB header:**hydrolase **Chain:** D: **PDB Molecule:**atp-dependent clp protease proteolytic subunit; **PDBTitle:** structure of clpp from bacillus subtilis in orthorombic crystal form
107	c3swxB_	Alignment	not modelled	98.7	15	**PDB header:**isomerase **Chain:** B: **PDB Molecule:**probable enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of a probable enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
108	c3m6nA_	Alignment	not modelled	98.7	17	**PDB header:**lyase **Chain:** A: **PDB Molecule:**rpff protein; **PDBTitle:** crystal structure of rpff
109	c3p2lD_	Alignment	not modelled	98.7	24	**PDB header:**hydrolase **Chain:** D: **PDB Molecule:**atp-dependent clp protease proteolytic subunit; **PDBTitle:** crystal structure of atp-dependent clp protease subunit p from2 francisella tularensis
110	c2d3tB_	Alignment	not modelled	98.7	13	**PDB header:**lyase, oxidoreductase/transferase **Chain:** B: **PDB Molecule:**fatty oxidation complex alpha subunit; **PDBTitle:** fatty acid beta-oxidation multienzyme complex from2 pseudomonas fragi, form v
111	c3laoA_	Alignment	not modelled	98.7	15	**PDB header:**lyase, isomerase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of enoyl-coa hydratase from pseudomonas2 aeruginosa pa01
112	d1tg6a1	Alignment	not modelled	98.7	20	**Fold:**ClpP/crotonase **Superfamily:**ClpP/crotonase **Family:**Clp protease, ClpP subunit
113	c3r0oA_	Alignment	not modelled	98.7	15	**PDB header:**lyase **Chain:** A: **PDB Molecule:**carnitinyl-coa dehydratase; **PDBTitle:** crystal structure of carnitinyl-coa hydratase from mycobacterium avium
114	c3trrA_	Alignment	not modelled	98.7	12	**PDB header:**isomerase **Chain:** A: **PDB Molecule:**probable enoyl-coa hydratase/isomerase; **PDBTitle:** crystal structure of a probable enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
115	c2x58B_	Alignment	not modelled	98.6	17	**PDB header:**oxidoreductase **Chain:** B: **PDB Molecule:**peroxisomal bifunctional enzyme; **PDBTitle:** the crystal structure of mfe1 liganded with coa
116	c2deoA_	Alignment	not modelled	98.6	18	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**441aa long hypothetical nfed protein; **PDBTitle:** 1510-n membrane protease specific for a stomatin homolog from2 pyrococcus horikoshii
117	c3qreA_	Alignment	not modelled	98.6	15	**PDB header:**lyase **Chain:** A: **PDB Molecule:**enoyl-coa hydratase, echa12_1; **PDBTitle:** crystal structure of an enoyl-coa hydratase echa12_1 from2 mycobacterium marinum
118	c2wtbA_	Alignment	not modelled	98.5	16	**PDB header:**oxidoreductase **Chain:** A: **PDB Molecule:**fatty acid multifunctional protein (atmfp2); **PDBTitle:** arabidopsis thaliana multifuctional protein, mfp2
119	c2w3pB_	Alignment	not modelled	98.3	17	**PDB header:**lyase **Chain:** B: **PDB Molecule:**benzoyl-coa-dihydrodiol lyase; **PDBTitle:** boxc crystal structure
120	c2pg8C_	Alignment	not modelled	98.1	25	**PDB header:**ligand binding protein **Chain:** C: **PDB Molecule:**dpgc; **PDBTitle:** crystal structure of r254k mutanat of dpgc with bound substrate analog