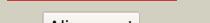
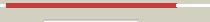
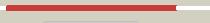
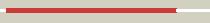


Phyre²

Email mdejesus@rockefeller.edu
 Description RVBD3039c_(echA17)_3399430_3400194
 Date Thu Aug 8 16:20:21 BST 2019
 Unique Job ID 6c124d1ad8353ce1

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5jbxB			100.0	29	PDB header: lyase Chain: B; PDB Molecule: 3-hydroxybutyryl-coa dehydratase; PDBTitle: crystal structure of liuc in complex with coenzyme a and malonic acid
2	c4di1A			100.0	83	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase echa17; PDBTitle: crystal structure of enoyl-coa hydratase echa17 from mycobacterium2 marinum
3	c5zaiB			100.0	27	PDB header: hydrolase Chain: B; PDB Molecule: 3-hydroxypropionyl-coenzyme a dehydratase; PDBTitle: crystal strcuture of 3-hydroxypropionyl-coa dehydratase from2 metallosphaera sedula
4	c3hinA			100.0	24	PDB header: lyase Chain: A; PDB Molecule: putative 3-hydroxybutyryl-coa dehydratase; PDBTitle: crystal structure of putative enoyl-coa hydratase from2 rhopseudomonas palustris cga009
5	c4jcsA			100.0	21	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of enoyl-coa hydratase/isomerase from cupriavidus2 metallidurans ch34
6	c3moyA			100.0	31	PDB header: lyase Chain: A; PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of probable enoyl-coa hydratase from mycobacterium2 smegmatis
7	d1nzya			100.0	26	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
8	c5z7ra			100.0	27	PDB header: lyase Chain: A; PDB Molecule: short-chain-enoyl-coa hydratase; PDBTitle: crystal strcuture of crotonase from clostridium acetobutylicum
9	c3g64A			100.0	30	PDB header: lyase Chain: A; PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of putative enoyl-coa hydratase from streptomyces2 coelicolor a3(2)
10	c4jfca			100.0	28	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a enoyl-coa hydratase from polaromonas sp. js666
11	c2hw5F			100.0	27	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

12	d1mj3a	Alignment		100.0	28	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
13	c4mi2C	Alignment		100.0	30	PDB header: isomerase Chain: C: PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
14	c2ppyE	Alignment		100.0	25	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydrates (gk_1992) from geobacillus2 kaustophilus hta426
15	c2ej5B	Alignment		100.0	29	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
16	c2qq3F	Alignment		100.0	30	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
17	c2vx2D	Alignment		100.0	22	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)
18	d1wdka4	Alignment		100.0	27	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
19	c4zu2A	Alignment		100.0	25	PDB header: hydrolase Chain: A: PDB Molecule: putative isohexenylglutaconyl-coa hydratase; PDBTitle: pseudomonas aeruginosa atue
20	c4fzwA	Alignment		100.0	31	PDB header: isomerase/lyase Chain: A: PDB Molecule: 2,3-dehydrodipyl-coa hydratase; PDBTitle: crystal structure of the paaf-paag hydratase-isomerase complex from2 e.coli
21	c3hrxD	Alignment	not modelled	100.0	30	PDB header: lyase Chain: D: PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of phenylacetic acid degradation protein paag
22	c3kqfC	Alignment	not modelled	100.0	28	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.
23	c3mybA	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase mycobacterium smegmatis
24	d1xx4a	Alignment	not modelled	100.0	23	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
25	c3h81A	Alignment	not modelled	100.0	34	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase echa8; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium2 tuberculosis
26	d1hzda	Alignment	not modelled	100.0	33	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
27	c3peaD	Alignment	not modelled	100.0	28	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'
28	c3ia7A	Alignment	not modelled	100.0	23	PDB header: lyase Chain: A: PDB Molecule: enoyl coa hydratase/isomerase (crotonase);

28	c3i4TA	Alignment	not modelled	100.0	23	PDBTitle: crystal structure of putative enoyl coa hydratase/isomerase2 (crotonase) from legionella pneumophila subsp. pneumophila str.3 philadelphia 1
29	d1uiya	Alignment	not modelled	100.0	29	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
30	c3trrA	Alignment	not modelled	100.0	28	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
31	c4lk5B	Alignment	not modelled	100.0	26	PDB header: lyase Chain: B: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a enoyl-coa hydratase from mycobacterium avium2 subsp. paratuberculosis k-10
32	d1wz8a1	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
33	d2fw2a1	Alignment	not modelled	100.0	20	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
34	c2d3tB	Alignment	not modelled	100.0	28	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
35	c2x58B	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: B: PDB Molecule: peroxisomal bifunctional enzyme; PDBTitle: the crystal structure of mfe1 liganded with coa
36	c3t88A	Alignment	not modelled	100.0	25	PDB header: lyase/lyase inhibitor Chain: A: PDB Molecule: 1,4-dihydroxy-2-naphthoyl-coa synthase; PDBTitle: crystal structure of escherichia coli membran in complex with substrate2 analogue, osb-ncoa
37	c5wybB	Alignment	not modelled	100.0	27	PDB header: isomerase Chain: B: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structure of pseudomonas aeruginosa dspi
38	c4nekD	Alignment	not modelled	100.0	27	PDB header: isomerase Chain: D: PDB Molecule: enoyl-coa hydratase/carnithine racemase; PDBTitle: putative enoyl-coa hydratase/carnithine racemase from magnetospirillum2 magneticum amb-1
39	c2fbmB	Alignment	not modelled	100.0	21	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: chromosome chromodomain protein 1, telomeric isoform b; PDBTitle: acetyltransferase domain of cdy1
40	c5ve2J	Alignment	not modelled	100.0	24	PDB header: isomerase,lyase Chain: J: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase/isomerase from2 pseudoalteromonas atlantica t6c at 2.3 a resolution.
41	d1dcia	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
42	c3p5mB	Alignment	not modelled	100.0	24	PDB header: isomerase Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium avium
43	c3rsiA	Alignment	not modelled	100.0	28	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
44	c3lkeA	Alignment	not modelled	100.0	23	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from bacillus halodurans
45	c4olqD	Alignment	not modelled	100.0	31	PDB header: lyase Chain: D: PDB Molecule: enoyl-coa hydratase/isomerase family protein; PDBTitle: crystal structure of a putative enoyl-coa hydratase/isomerase family2 protein from hyphomonas neptunium
46	c4k2nA	Alignment	not modelled	100.0	29	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/carnithine racemase; PDBTitle: crystal structure of an enoyl-coa hydratase/ carnithine racemase from2 magnetospirillum magneticum
47	c2iexA	Alignment	not modelled	100.0	25	PDB header: lyase Chain: A: PDB Molecule: dihydroxynaphthoic acid synthetase; PDBTitle: crystal structure of dihydroxynaphthoic acid synthetase (gk2873) from2 geobacillus kaustophilus hta426
48	c4fzwD	Alignment	not modelled	100.0	27	PDB header: isomerase/lyase Chain: D: PDB Molecule: 1,2-epoxyphenylacetyl-coa isomerase; PDBTitle: crystal structure of the paaf-paag hydratase-isomerase complex from2 e.coli
49	c3q1tB	Alignment	not modelled	100.0	24	PDB header: lyase Chain: B: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium avium
50	c3swxB	Alignment	not modelled	100.0	24	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
51	c3gkbA	Alignment	not modelled	100.0	25	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 avermitillii
52	d2f6qa1	Alignment	not modelled	100.0	23	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
53	c4q1jA	Alignment	not modelled	100.0	16	PDB header: lyase Chain: A: PDB Molecule: polyketide biosynthesis enoyl-coa isomerase pk5s; PDBTitle: structure and mechanism of a dehydratase/decarboxylase enzyme couple2 involved in polyketide

54	c3bptA_	Alignment	not modelled	100.0	21	beta-branching PDB header: hydrolase Chain: A: PDB Molecule: 3-hydroxyisobutyryl-coa hydrolase; PDBTitle: crystal structure of human beta-hydroxyisobutyryl-coa hydrolase in2 complex with quercetin
55	c4jyIE	Alignment	not modelled	100.0	24	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from thermoplasma volcamium gss1
56	c2f6qA_	Alignment	not modelled	100.0	23	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)
57	c3rrvC_	Alignment	not modelled	100.0	24	PDB header: isomerase Chain: C: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
58	c4hdtA_	Alignment	not modelled	100.0	23	PDB header: isomerase Chain: A: PDB Molecule: 3-hydroxyisobutyryl-coa hydrolase; PDBTitle: crystal structure of a carnitinyl-coa dehydratase from mycobacterium thermoresistible
59	c4og1A_	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a putative enoyl-coa hydratase from2 novosphingobium aromaticivorans dsm 12444
60	c4j2uA_	Alignment	not modelled	100.0	30	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of an enoyl-coa hydratase from rhodobacter sphaeroides 2.4.1
61	c3h0uB_	Alignment	not modelled	100.0	25	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of a putative enoyl-coa hydratase from streptomyces2 avermitilis
62	c4izbB_	Alignment	not modelled	100.0	25	PDB header: hydrolase Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase family protein; PDBTitle: crystal structure of dmdd, a crotonase superfamily enzyme that2 catalyzes the hydration and hydrolysis of methylthioacryloyl-coa
63	c3njbA_	Alignment	not modelled	100.0	23	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium smegmatis,2 iodide soak
64	c3ju1A_	Alignment	not modelled	100.0	24	PDB header: lyase, isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase family protein; PDBTitle: crystal structure of enoyl-coa hydratase/isomerase family protein
65	d1q52a_	Alignment	not modelled	100.0	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
66	c3qxzA_	Alignment	not modelled	100.0	26	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
67	c3qxiA_	Alignment	not modelled	100.0	29	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase echa1; PDBTitle: crystal structure of enoyl-coa hydratase echa1 from mycobacterium marinum
68	c3r0oA_	Alignment	not modelled	100.0	29	PDB header: lyase Chain: A: PDB Molecule: carnitinyl-coa dehydratase; PDBTitle: crystal structure of carnitinyl-coa hydratase from mycobacterium avium
69	c4i4zE_	Alignment	not modelled	100.0	23	PDB header: lyase Chain: E: PDB Molecule: naphthoate synthase; PDBTitle: synechocystis sp. pcc 6803 1,4-dihydroxy-2-naphthoyl-coenzyme a2 synthase (menb) in complex with salicylyl-coa
70	c3l3sF_	Alignment	not modelled	100.0	24	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
71	c2wtbA_	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty acid multifunctional protein (atmfp2); PDBTitle: arabidopsis thaliana multifunctional protein, mfp2
72	c4mouA_	Alignment	not modelled	100.0	28	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase family protein; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase family member,2 nysgrc target 028282
73	c4b3hA_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase/transferase Chain: A: PDB Molecule: fatty acid beta-oxidation complex alpha-chain fabd; PDBTitle: crystal structure of mycobacterium tuberculosis fatty acid2 beta-oxidation complex
74	c4f47A_	Alignment	not modelled	100.0	25	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase echa19; PDBTitle: the structure of enoyl-coa hydratase echa19 from mycobacterium marinum
75	c4jwvA_	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: short chain enoyl-coa hydratase; PDBTitle: crystal structure of putative short chain enoyl-coa hydratase from2 novosphingobium aromaticivorans dsm 12444
76	c5yloA_	Alignment	not modelled	100.0	31	PDB header: hydrolase Chain: A: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structural of pseudomonas aeruginosa pa4980
77	d1sg4a1	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like

78	c4k3wA	Alignment	not modelled	100.0	24	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 marinobacter aquaeolei
79	c5xzdF	Alignment	not modelled	100.0	31	PDB header: lyase Chain: F: PDB Molecule: enoyl-coa hydratase; PDBTitle: structure of acryloyl-coa hydratase acuh from roseovarius nubinhibens2 ism
80	c4jvtA	Alignment	not modelled	100.0	29	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of tfu_1878, a putative enoyl-coa hydratase2 fromthermobifida fusca yx in complex with coa
81	c3slIC	Alignment	not modelled	100.0	25	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
82	c3tlfF	Alignment	not modelled	100.0	24	PDB header: isomerase Chain: F: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
83	c4kpka	Alignment	not modelled	100.0	23	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase from shewanella pealeana2 atcc 700345
84	c2q35A	Alignment	not modelled	100.0	20	PDB header: lyase Chain: A: PDB Molecule: curf; PDBTitle: crystal structure of the y82f variant of ech2 decarboxylase domain of2 curf from lyngbya majuscula
85	c6ojmb	Alignment	not modelled	100.0	20	PDB header: lyase Chain: B: PDB Molecule: 1,4-dihydroxy-2-naphthoyl-coa synthase; PDBTitle: crystal structure of 1,4-dihydroxy-2-naphthoyl-coa synthase2 elizabethkingia anophelis nuhp1
86	d1lef8a	Alignment	not modelled	100.0	23	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
87	d1piha	Alignment	not modelled	100.0	15	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
88	c3r6hA	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, echa3; PDBTitle: crystal structure of an enoyl-coa hydratase (echa3) from mycobacterium2 marinum
89	c3gkaB	Alignment	not modelled	100.0	26	PDB header: lyase Chain: B: PDB Molecule: enoyl-coa hydratase, echa5; PDBTitle: crystal structure of enoyl-coa hydratase echa5 from mycobacterium2 marinum
90	c3oc7A	Alignment	not modelled	100.0	24	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of an enoyl-coa hydratase from mycobacterium avium
91	c3ot6A	Alignment	not modelled	100.0	24	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
92	c2j5iF	Alignment	not modelled	100.0	24	PDB header: lyase Chain: F: PDB Molecule: p-hydroxycinnamoyl coa hydratase/lyase; PDBTitle: crystal structure of hydroxycinnamoyl-coa hydratase-lyase
93	d2a7ka1	Alignment	not modelled	100.0	27	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
94	c4jotA	Alignment	not modelled	100.0	27	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, putative; PDBTitle: crystal structure of enoyl-coa hydrotase from deinococcus radiodurans2 r1
95	c6iunB	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: B: PDB Molecule: enoyl-coa hydratase/delta(3)-cis-delta(2)-trans-enoyl-coa PDBTitle: crystal structure of enoyl-coa hydratase (ech) from ralstonia eutropha2 h16 in complex with nad
96	c3p85A	Alignment	not modelled	100.0	27	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure enoyl-coa hydratase from mycobacterium avium
97	d1szoa	Alignment	not modelled	100.0	16	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
98	c4nnqB	Alignment	not modelled	100.0	21	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of lnmf protein from streptomyces amphibiosporus
99	c4jyjA	Alignment	not modelled	100.0	23	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 novosphingobium aromaticivorans dsm 12444
100	c3he2C	Alignment	not modelled	100.0	27	PDB header: lyase Chain: C: PDB Molecule: enoyl-coa hydratase echa6; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium2 tuberculosis
101	c3isaA	Alignment	not modelled	100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 bordetella parapertussis
102	c4k29A	Alignment	not modelled	100.0	25	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 xanthobacter autotrophicus py2
						PDB header: lyase

103	c3h02F	Alignment	not modelled	100.0	27	Chain: F: PDB Molecule: naphthoate synthase; PDBTitle: 2.15 angstrom resolution crystal structure of naphthoate synthase from2 salmonella typhimurium. PDB header: isomerase
104	c4wczB	Alignment	not modelled	100.0	25	Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a putative enoyl-coa hydratase/isomerase from2 novosphingobium aromaticivorans PDB header: lyase, isomerase
105	c3laoA	Alignment	not modelled	100.0	29	Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of enoyl-coa hydratase from pseudomonas2 aeruginosa pa01
106	c3fdtF	Alignment	not modelled	100.0	30	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
107	c2w3pB	Alignment	not modelled	100.0	22	PDB header: lyase Chain: B: PDB Molecule: benzoyl-coa-dihydrodiol lyase; PDBTitle: boxc crystal structure
108	c5fusB	Alignment	not modelled	100.0	20	PDB header: lyase Chain: B: PDB Molecule: putative enoyl coa hydratase; PDBTitle: crystal structure of b. cenocepacia dfa5
109	c3hp0B	Alignment	not modelled	100.0	21	PDB header: lyase Chain: B: PDB Molecule: putative polyketide biosynthesis enoyl-coa hydratase (pksh) from bacillus subtilis PDBTitle: crystal structure of a putative polyketide biosynthesis2 enoyl-coa hydratase (pksh) from bacillus subtilis
110	c5zqzC	Alignment	not modelled	100.0	27	PDB header: lyase,hydrolase/transferase Chain: C: PDB Molecule: trifunctional enzyme subunit alpha, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, tetramer
111	c3omeE	Alignment	not modelled	100.0	26	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a probable enoyl-coa hydratase from mycobacterium2 smegmatis
112	c1rjnC	Alignment	not modelled	100.0	19	PDB header: lyase Chain: C: PDB Molecule: menb; PDBTitle: the crystal structure of menb (rv0548c) from mycobacterium2 tuberculosis in complex with the coa portion of naphthoyl coa
113	c3m6nA	Alignment	not modelled	100.0	17	PDB header: lyase Chain: A: PDB Molecule: rppf protein; PDBTitle: crystal structure of rppf
114	d1rjma	Alignment	not modelled	100.0	20	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
115	c4kd6A	Alignment	not modelled	100.0	31	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase/isomerase from burkholderia2 graminis c4d1m
116	c2j5gL	Alignment	not modelled	100.0	18	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
117	c2pg8C	Alignment	not modelled	100.0	25	PDB header: ligand binding protein Chain: C: PDB Molecule: dpgc; PDBTitle: crystal structure of r254k mutanat of dpgc with bound substrate analog
118	c3qreA	Alignment	not modelled	100.0	30	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
119	c3qmjA	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, echa8_6; PDBTitle: crystal structure of enoyl-coa hydratase echa8_6 from mycobacterium2 marinum
120	c5o34C	Alignment	not modelled	100.0	30	PDB header: lyase Chain: C: PDB Molecule: enoyl-coa hydratase carb homologue; PDBTitle: thne from s.clavuligerus