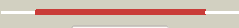
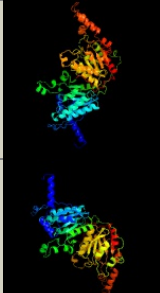


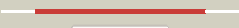


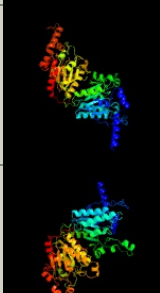

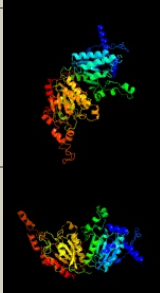

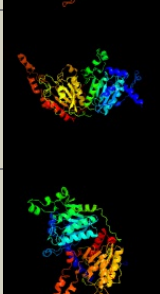

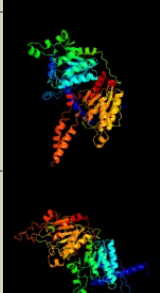

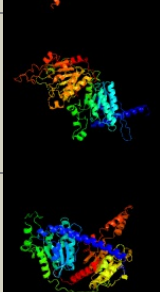

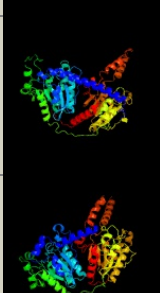

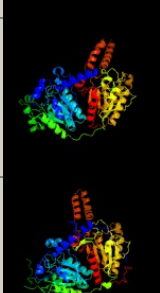

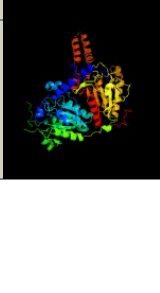











Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3280_(accD5)_3662059_3663705
Date	Thu Aug 8 16:20:48 BST 2019
Unique Job ID	f038e12abb65024f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2a7sD_	Alignment 		100.0	100	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
2	c1xnwD_	Alignment 		100.0	70	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
3	c1on3E_	Alignment 		100.0	53	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)
4	c1vrgE_	Alignment 		100.0	55	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
5	c1x0uB_	Alignment 		100.0	51	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 sulfobolus tokodaii
6	c3n6rF_	Alignment 		100.0	55	PDB header: ligase Chain: F: PDB Molecule: propionyl-coa carboxylase, beta subunit; PDBTitle: crystal structure of the holoenzyme of propionyl-coa carboxylase (pcc)
7	c3u9rB_	Alignment 		100.0	33	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
8	c5ingC_	Alignment 		100.0	56	PDB header: transferase Chain: C: PDB Molecule: putative carboxyl transferase; PDBTitle: a crotonyl-coa reductase-carboxylase independent pathway for assembly2 of unusual alkylmalonyl-coa polyketide synthase extender unit
9	c5iklD_	Alignment 		100.0	28	PDB header: ligase Chain: D: PDB Molecule: geranyl-coa carboxylase, beta-subunit; PDBTitle: crystal structure of p. aeruginosa geranyl-coa carboxylase (gcc), beta2 subunit
10	c4q0gC_	Alignment 		100.0	34	PDB header: ligase Chain: C: PDB Molecule: probable acetyl-/propionyl-coa carboxylase (beta subunit) PDBTitle: crystal structure of beta subunit of acyl-coa carboxylase accd1 from2 mycobacterium tuberculosis
11	c1pixB_	Alignment 		100.0	24	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

12	c5fifD	Alignment		100.0	30	PDB header: ligase Chain: D: PDB Molecule: carboxylase; PDBTitle: carboxyltransferase domain of a single-chain bacterial carboxylase
13	c3glmD	Alignment		100.0	25	PDB header: lyase Chain: D: PDB Molecule: glutaconyl-coa decarboxylase subunit a; PDBTitle: glutaconyl-coa decarboxylase a subunit from clostridium symbiosum co-2 crystallized with crotonyl-coa
14	c4rcnA	Alignment		100.0	29	PDB header: ligase Chain: A: PDB Molecule: long-chain acyl-coa carboxylase; PDBTitle: structure and function of a single-chain, multi-domain long-chain2 acyl-coa carboxylase
15	c4l6wA	Alignment		100.0	46	PDB header: ligase Chain: A: PDB Molecule: probable propionyl-coa carboxylase beta chain 6; PDBTitle: carboxyltransferase subunit (accd6) of mycobacterium tuberculosis2 acetyl-coa carboxylase
16	c4l6wB	Alignment		100.0	44	PDB header: ligase Chain: B: PDB Molecule: probable propionyl-coa carboxylase beta chain 6; PDBTitle: carboxyltransferase subunit (accd6) of mycobacterium tuberculosis2 acetyl-coa carboxylase
17	c4wyoB	Alignment		100.0	24	PDB header: ligase/ligase inhibitor Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: crystal structure of human-yeast chimera acetyl coa carboxylase ct2 domain bound to compound 1
18	c3h0jA	Alignment		100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa carboxylase; PDBTitle: crystal structure of the carboxyltransferase domain of2 acetyl-coenzyme a carboxylase in complex with compound 2
19	c2x24B	Alignment		100.0	27	PDB header: ligase Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: bovine acc2 ct domain in complex with inhibitor
20	c1od4C	Alignment		100.0	24	PDB header: ligase Chain: C: PDB Molecule: acetyl-coenzyme a carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain
21	c3ff6D	Alignment	not modelled	100.0	26	PDB header: ligase Chain: D: PDB Molecule: acetyl-coa carboxylase 2; PDBTitle: human acc2 ct domain with cp-640186
22	c1uyvB	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain l1705i/2 v1967i mutant
23	c1uytC	Alignment	not modelled	100.0	25	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain
24	c5i6fB	Alignment	not modelled	100.0	24	PDB header: ligase Chain: B: PDB Molecule: acetyl-coa carboxylase-like protein; PDBTitle: crystal structure of c-terminal variant 1 of chaetomium thermophilum2 acetyl-coa carboxylase
25	c5i6fA	Alignment	not modelled	100.0	24	PDB header: ligase Chain: A: PDB Molecule: acetyl-coa carboxylase-like protein; PDBTitle: crystal structure of c-terminal variant 1 of chaetomium thermophilum2 acetyl-coa carboxylase
26	c5i6hA	Alignment	not modelled	100.0	24	PDB header: ligase Chain: A: PDB Molecule: acetyl-coa carboxylase-like protein; PDBTitle: crystal structure of cd-ct domains of chaetomium thermophilum acetyl-2 coa carboxylase
27	c5cskB	Alignment	not modelled	100.0	25	PDB header: ligase Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: crystal structure of yeast acetyl-coa carboxylase, unbiotinylated
28	c6g2dC	Alignment	not modelled	100.0	26	PDB header: ligase Chain: C: PDB Molecule: acetyl-coa carboxylase 1; PDBTitle: citrate-induced acetyl-coa carboxylase (acc-cit) filament at 5.4 a2 resolution PDB header: ligase

29	c5cslA_	Alignment	not modelled	100.0	25	Chain: A: PDB Molecule: acetyl-coa carboxylase; PDBTitle: crystal structure of the 500 kd yeast acetyl-coa carboxylase2 holoenzyme dimer
30	d2a7sa2	Alignment	not modelled	100.0	100	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
31	d2a7sa1	Alignment	not modelled	100.0	100	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
32	d1xnaya1	Alignment	not modelled	100.0	70	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
33	d1pixa3	Alignment	not modelled	100.0	29	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
34	d1on3a2	Alignment	not modelled	100.0	54	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
35	d1vrqa2	Alignment	not modelled	100.0	54	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
36	d1on3a1	Alignment	not modelled	100.0	51	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
37	d1xnaya2	Alignment	not modelled	100.0	70	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
38	d1vrqa1	Alignment	not modelled	100.0	56	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
39	d1pixa2	Alignment	not modelled	100.0	21	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
40	d1uyra2	Alignment	not modelled	100.0	23	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
41	c2f9yB_	Alignment	not modelled	100.0	26	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
42	d2f9yb1	Alignment	not modelled	100.0	26	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
43	c5vipB_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: B: PDB Molecule: mdcd; PDBTitle: crystal structure of pseudomonas malonate decarboxylase mdcd-mdce2 hetero-dimer
44	d1uyra1	Alignment	not modelled	100.0	27	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
45	c2f9iD_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: D: PDB Molecule: acetyl-coenzyme a carboxylase carboxyl transferase subunit PDBTitle: crystal structure of the carboxyltransferase subunit of acc from2 staphylococcus aureus
46	d2f9ya1	Alignment	not modelled	100.0	22	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
47	c2f9iC_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: C: PDB Molecule: acetyl-coenzyme a carboxylase carboxyl transferase subunit PDBTitle: crystal structure of the carboxyltransferase subunit of acc from2 staphylococcus aureus
48	c5vj1M_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: M: PDB Molecule: mdce; PDBTitle: crystal structure of a pseudomonas malonate decarboxylase hetero-2 tetramer in complex with coenzyme a
49	c4hnkl_	Alignment	not modelled	99.0	13	PDB header: hydrolase Chain: I: PDB Molecule: atp-dependent clp protease proteolytic subunit; PDBTitle: crystal structure of an enzyme
50	c3bezC_	Alignment	not modelled	98.8	16	PDB header: hydrolase Chain: C: PDB Molecule: protease 4; PDBTitle: crystal structure of escherichia coli signal peptide peptidase (sppa),2 semet crystals
51	c3r6hA_	Alignment	not modelled	98.7	17	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, echa3; PDBTitle: crystal structure of an enoyl-coa hydratase (echa3) from mycobacterium2 marinum
52	d1q52a_	Alignment	not modelled	98.7	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
53	c3fduF_	Alignment	not modelled	98.5	15	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
54	c4izbB_	Alignment	not modelled	98.5	20	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

55	d1rjma_	Alignment	not modelled	98.5	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
56	d2a7ka1	Alignment	not modelled	98.5	11	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
57	d2f6ia1	Alignment	not modelled	98.5	22	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit
58	c4jyIE_	Alignment	not modelled	98.4	12	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from thermoplasma volcanium2 gss1
59	c3rrvC_	Alignment	not modelled	98.4	15	PDB header: isomerase Chain: C: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
60	c4jyJA_	Alignment	not modelled	98.4	15	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
61	d2fw2a1	Alignment	not modelled	98.4	13	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
62	c3hrxD_	Alignment	not modelled	98.4	14	PDB header: lyase Chain: D: PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of phenylacetic acid degradation protein paag
63	c2iexA_	Alignment	not modelled	98.4	13	PDB header: lyase Chain: A: PDB Molecule: dihydroxynaphthoic acid synthetase; PDBTitle: crystal structure of dihydroxynaphthoic acid synthetase (gk2873) from2 geobacillus kaustophilus hta426
64	c4jcsA_	Alignment	not modelled	98.4	16	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of enoyl-coa hydratase/isomerase from cupriavidus2 metallidurans ch34
65	c3peaD_	Alignment	not modelled	98.4	13	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'
66	c4zu2A_	Alignment	not modelled	98.4	17	PDB header: hydrolase Chain: A: PDB Molecule: putative isohexenylglutaconyl-coa hydratase; PDBTitle: pseudomonas aeruginosa atue
67	c3p5mB_	Alignment	not modelled	98.4	18	PDB header: isomerase Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium avium
68	c4kpkA_	Alignment	not modelled	98.4	17	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase from shewanella pealeana2 atcc 700345
69	d1dcia_	Alignment	not modelled	98.4	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
70	c4jfcA_	Alignment	not modelled	98.4	13	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a enoyl-coa hydratase from polaromonas sp. js666
71	c4kd6A_	Alignment	not modelled	98.4	22	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from burkholderia2 graminis c4d1m
72	c4fzWd_	Alignment	not modelled	98.4	15	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
73	c3q7hM_	Alignment	not modelled	98.4	17	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
74	c2f6qA_	Alignment	not modelled	98.4	13	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)
75	c1rjnC_	Alignment	not modelled	98.3	17	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
76	c4jcuU_	Alignment	not modelled	98.3	15	PDB header: hydrolase Chain: U: PDB Molecule: atp-dependent clp protease proteolytic subunit; PDBTitle: clpp1 from listeria monocytogenes
77	c2fbmB_	Alignment	not modelled	98.3	10	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: y chromosome chromodomain protein 1, telomeric isoform b; PDBTitle: acetyltransferase domain of cdy1
78	c4lk5B_	Alignment	not modelled	98.3	17	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
79	d1yg6a1	Alignment	not modelled	98.3	16	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit

80	c3isaA	Alignment	not modelled	98.3	15	PDB header: hydrolase Chain: A: PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 bordetella parapertussis
81	c3njbA	Alignment	not modelled	98.3	20	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium smegmatis,2 iodide soak
82	c5jbxB	Alignment	not modelled	98.3	15	PDB header: lyase Chain: B: PDB Molecule: 3-hydroxybutyryl-coa dehydratase; PDBTitle: crystal structure of liuc in complex with coenzyme a and malonic acid
83	c2q35A	Alignment	not modelled	98.3	19	PDB header: lyase Chain: A: PDB Molecule: curf; PDBTitle: crystal structure of the y82f variant of ech2 decarboxylase domain of2 curf from lymbgbya majuscula
84	d1wz8a1	Alignment	not modelled	98.3	12	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
85	c2ppyE	Alignment	not modelled	98.3	14	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydrates (gk_1992) from geobacillus2 kaustophilus hta426
86	c4og1A	Alignment	not modelled	98.3	16	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
87	c2f6iG	Alignment	not modelled	98.3	16	PDB header: hydrolase Chain: G: PDB Molecule: atp-dependent clp protease, putative; PDBTitle: crystal structure of the clpp protease catalytic domain from2 plasmodium falciparum
88	c3lkeA	Alignment	not modelled	98.3	15	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from bacillus halodurans
89	c5z7rA	Alignment	not modelled	98.3	16	PDB header: lyase Chain: A: PDB Molecule: short-chain-enoyl-coa hydratase; PDBTitle: crystal structure of crotonase from clostridium acetobutylicum
90	c3h0uB	Alignment	not modelled	98.3	17	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of a putative enoyl-coa hydratase from streptomyces2 avermitilis
91	c3ot6A	Alignment	not modelled	98.3	16	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	c3moyA	Alignment	not modelled	98.3	21	PDB header: lyase Chain: A: PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of probable enoyl-coa hydratase from mycobacterium2 smegmatis
93	c2ej5B	Alignment	not modelled	98.3	19	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
94	c3i47A	Alignment	not modelled	98.3	15	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
95	c3rsiA	Alignment	not modelled	98.3	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
96	d1xx4a	Alignment	not modelled	98.3	17	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
97	c3t88A	Alignment	not modelled	98.3	14	PDB header: lyase/lyase inhibitor Chain: A: PDB Molecule: 1,4-dihydroxy-2-naphthoyl-coa synthase; PDBTitle: crystal structure of escherichia coli menb in complex with substrate2 analogue, osb-ncoa
98	d1ef8a	Alignment	not modelled	98.3	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
99	c3oc7A	Alignment	not modelled	98.3	15	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of an enoyl-coa hydratase from mycobacterium avium
100	c3gkBA	Alignment	not modelled	98.3	15	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
101	c1y7oE	Alignment	not modelled	98.2	14	PDB header: hydrolase Chain: E: PDB Molecule: atp-dependent clp protease proteolytic subunit; PDBTitle: the structure of streptococcus pneumoniae a153p clpp
102	c6ojmB	Alignment	not modelled	98.2	16	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
103	c5yloA	Alignment	not modelled	98.2	15	PDB header: hydrolase Chain: A: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structural of pseudomonas aeruginosa pa4980
104	c2qq3F	Alignment	not modelled	98.2	19	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
						PDB header: lyase

105	c4o1qD_	Alignment	not modelled	98.2	15	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
106	c3hp0B_	Alignment	not modelled	98.2	14	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
107	c3omeE_	Alignment	not modelled	98.2	16	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a probable enoyl-coa hydratase from mycobacterium2 smegmatis
108	c3p2ID_	Alignment	not modelled	98.2	18	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
109	d1nzya_	Alignment	not modelled	98.2	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
110	c3h02F_	Alignment	not modelled	98.2	13	PDB header: lyase Chain: F: PDB Molecule: naphthoate synthase; PDBTitle: 2.15 angstrom resolution crystal structure of naphthoate synthase from2 salmonella typhimurium.
111	c2j5iF_	Alignment	not modelled	98.2	16	PDB header: lyase Chain: F: PDB Molecule: p-hydroxycinnamoyl coa hydratase/lyase; PDBTitle: crystal structure of hydroxycinnamoyl-coa hydratase-lyase
112	c4nngB_	Alignment	not modelled	98.2	16	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of lnmf protein from streptomyces amphibioporus
113	d2cbya1	Alignment	not modelled	98.2	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit
114	c3qreA_	Alignment	not modelled	98.2	17	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
115	c5xzdF_	Alignment	not modelled	98.2	18	PDB header: lyase Chain: F: PDB Molecule: enoyl-coa hydratase; PDBTitle: structure of acryloyl-coa hydratase acuh from roseovarius nubinhibens2 ism
116	d1mj3a_	Alignment	not modelled	98.2	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
117	c3l3sF_	Alignment	not modelled	98.2	15	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
118	c5zaiB_	Alignment	not modelled	98.2	17	PDB header: hydrolase Chain: B: PDB Molecule: 3-hydroxypropionyl-coenzyme a dehydratase; PDBTitle: crystal structure of 3-hydroxypropionyl-coa dehydratase from2 metallosphaera sedula
119	c4di1A_	Alignment	not modelled	98.2	11	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase echa17; PDBTitle: crystal structure of enoyl-coa hydratase echa17 from mycobacterium2 marinum
120	c4i4zE_	Alignment	not modelled	98.2	18	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