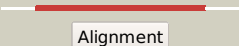



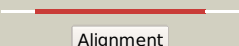





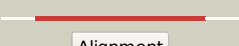













Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0974c_(accD2)_1085760_1087349
Date	Wed Jul 31 22:05:04 BST 2019
Unique Job ID	a3a2ba60c63e19e9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3u9rB_	 Alignment		100.0	53	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
2	c5iklD_	 Alignment		100.0	46	PDB header: ligase Chain: D: PDB Molecule: geranyl-coa carboxylase, beta-subunit; PDBTitle: crystal structure of p. aeruginosa geranyl-coa carboxylase (gcc), beta2 subunit
3	c4q0gC_	 Alignment		100.0	49	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
4	c1on3E_	 Alignment		100.0	33	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	c1pixB_	 Alignment		100.0	25	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
6	c3glmD_	 Alignment		100.0	24	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
7	c1xnwD_	 Alignment		100.0	33	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
8	c2a7sD_	 Alignment		100.0	33	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
9	c1vrgE_	 Alignment		100.0	31	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
10	c1x0uB_	 Alignment		100.0	31	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
11	c3n6rF_	 Alignment		100.0	32	PDB header: ligase Chain: F: PDB Molecule: propionyl-coa carboxylase, beta subunit; PDBTitle: crystal structure of the holoenzyme of propionyl-coa carboxylase (pcc)

12	c5fifD_	Alignment		100.0	25	PDB header: ligase Chain: D: PDB Molecule: carboxylase; PDBTitle: carboxyltransferase domain of a single-chain bacterial carboxylase
13	c5ingC_	Alignment		100.0	29	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
14	c4rcnA_	Alignment		100.0	27	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	34	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	31	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	c1uyvB_	Alignment		100.0	20	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain l1705i/2 v1967i mutant
18	c4wyoB_	Alignment		100.0	20	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
19	c2x24B_	Alignment		100.0	22	PDB header: ligase Chain: B: PDB Molecule: acetyl-coa carboxylase; PDBTitle: bovine acc2 ct domain in complex with inhibitor
20	c3h0jA_	Alignment		100.0	21	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
21	c3ff6D_	Alignment	not modelled	100.0	21	PDB header: ligase Chain: D: PDB Molecule: acetyl-coa carboxylase 2; PDBTitle: human acc2 ct domain with cp-640186
22	c1od4C_	Alignment	not modelled	100.0	22	PDB header: ligase Chain: C: PDB Molecule: acetyl-coenzyme a carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain
23	c1uytC_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa carboxylase; PDBTitle: acetyl-coa carboxylase carboxyltransferase domain
24	c5i6fB_	Alignment	not modelled	100.0	23	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	23	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	22	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	c5cscB_	Alignment	not modelled	100.0	21	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	23	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	22	Chain: A: PDB Molecule: acetyl-coa carboxylase; PDBTitle: crystal structure of the 500 kd yeast acetyl-coa carboxylase2 holoenzyme dimer
30	d1pixa3	Alignment	not modelled	100.0	25	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
31	d1on3a1	Alignment	not modelled	100.0	30	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
32	d2a7sa1	Alignment	not modelled	100.0	34	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
33	d1xnya1	Alignment	not modelled	100.0	35	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
34	d1vrqa1	Alignment	not modelled	100.0	30	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
35	d1on3a2	Alignment	not modelled	100.0	35	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
36	d1vrqa2	Alignment	not modelled	100.0	31	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
37	d2a7sa2	Alignment	not modelled	100.0	30	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
38	d1pixa2	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
39	d1xnya2	Alignment	not modelled	100.0	29	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
40	c2f9yB_	Alignment	not modelled	100.0	19	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
41	d2f9yb1	Alignment	not modelled	100.0	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
42	c5vipB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: mdcd; PDBTitle: crystal structure of pseudomonas malonate decarboxylase mdcd-mdce2 hetero-dimer
43	d1uyra1	Alignment	not modelled	100.0	23	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
44	c2f9iD_	Alignment	not modelled	100.0	24	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
45	d1uyra2	Alignment	not modelled	100.0	20	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Biotin dependent carboxylase carboxyltransferase domain
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	23	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	98.8	8	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	15	PDB header: hydrolase Chain: C: PDB Molecule: protease 4; PDBTitle: crystal structure of escherichia coli signal peptide peptidase (sppa),2 semet crystals
51	c4iyjA_	Alignment	not modelled	98.5	16	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
52	d1q52a_	Alignment	not modelled	98.5	17	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
53	c4izbB_	Alignment	not modelled	98.5	22	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
54	d1rjma_	Alianment	not modelled	98.4	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase

						Family: Crotonase-like
55	c4jyE_	Alignment	not modelled	98.4	19	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from thermoplasma volcanium2 gss1
56	c3isaA_	Alignment	not modelled	98.4	16	PDB header: hydrolase Chain: A: PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 bordetella parapertussis
57	c4kd6A_	Alignment	not modelled	98.4	15	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase/isomerase from burkholderia2 graminis c4d1m
58	d2a7ka1	Alignment	not modelled	98.4	13	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
59	c4kpkA_	Alignment	not modelled	98.4	21	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase from shewanella pealeana2 atcc 700345
60	c3rrvC_	Alignment	not modelled	98.4	20	PDB header: isomerase Chain: C: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
61	c2f6qA_	Alignment	not modelled	98.3	16	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)
62	c3i47A_	Alignment	not modelled	98.3	21	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
63	c3njbA_	Alignment	not modelled	98.3	22	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium smegmatis,2 iodide soak
64	c4fzwD_	Alignment	not modelled	98.3	17	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
65	d2f6qa1	Alignment	not modelled	98.3	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
66	c4olqD_	Alignment	not modelled	98.3	21	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
67	c5zaiB_	Alignment	not modelled	98.3	22	PDB header: hydrolase Chain: B: PDB Molecule: 3-hydroxypropionyl-coenzyme a dehydratase; PDBTitle: crystal structure of 3-hydroxypropionyl-coa dehydratase from2 metallosphaera sedula
68	c3fduF_	Alignment	not modelled	98.3	17	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
69	d1xx4a_	Alignment	not modelled	98.3	15	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
70	c4zu2A_	Alignment	not modelled	98.3	15	PDB header: hydrolase Chain: A: PDB Molecule: putative isohexenylglutaconyl-coa hydratase; PDBTitle: pseudomonas aeruginosa atue
71	c2ppyE_	Alignment	not modelled	98.3	19	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydrates (gk_1992) from geobacillus2 kaustophilus hta426
72	c3hrxD_	Alignment	not modelled	98.3	15	PDB header: lyase Chain: D: PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of phenylacetic acid degradation protein paag
73	d1dcia_	Alignment	not modelled	98.2	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
74	c5wybB_	Alignment	not modelled	98.2	14	PDB header: isomerase Chain: B: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structure of pseudomonas aeruginosa dspi
75	c2q35A_	Alignment	not modelled	98.2	18	PDB header: lyase Chain: A: PDB Molecule: curf; PDBTitle: crystal structure of the y82f variant of ech2 decarboxylase domain of2 curf from lyngbya majuscula
76	c2vx2D_	Alignment	not modelled	98.2	21	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)
77	c5z7rA_	Alignment	not modelled	98.2	20	PDB header: lyase Chain: A: PDB Molecule: short-chain-enoyl-coa hydratase; PDBTitle: crystal structure of crotonase from clostridium acetobutylicum
78	c1rjnC_	Alignment	not modelled	98.2	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

79	c3t88A	Alignment	not modelled	98.2	16	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
80	c2fbmB	Alignment	not modelled	98.2	14	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: y chromosome chromodomain protein 1, telomeric isoform b; PDBTitle: acetyltransferase domain of cdy1
81	c2iexA	Alignment	not modelled	98.2	16	PDB header: lyase Chain: A: PDB Molecule: dihydroxynapthoic acid synthetase; PDBTitle: crystal structure of dihydroxynapthoic acid synthetase (gk2873) from2 geobacillus kaustophilus hta426
82	c3r6hA	Alignment	not modelled	98.2	13	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, echa3; PDBTitle: crystal structure of an enoyl-coa hydratase (echa3) from mycobacterium2 marinum
83	c3lkeA	Alignment	not modelled	98.2	15	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from bacillus halodurans
84	c3l3sF	Alignment	not modelled	98.2	20	PDB header: isomerase Chain: F: PDB Molecule: enoyl-coa hydratase/isomerase family protein; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase family2 protein from silicibacter pomeroyi
85	c4lk5B	Alignment	not modelled	98.2	19	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
86	c5o34C	Alignment	not modelled	98.2	15	PDB header: lyase Chain: C: PDB Molecule: enoyl-coa hydratase carb homologue; PDBTitle: thne from s.clavuligerus
87	c4k2nA	Alignment	not modelled	98.2	19	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
88	c3moyA	Alignment	not modelled	98.2	19	PDB header: lyase Chain: A: PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of probable enoyl-coa hydratase from mycobacterium2 smegmatis
89	c3ot6A	Alignment	not modelled	98.2	21	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
90	c3omeE	Alignment	not modelled	98.2	20	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a probable enoyl-coa hydratase from mycobacterium2 smegmatis
91	c2j5iF	Alignment	not modelled	98.2	17	PDB header: lyase Chain: F: PDB Molecule: p-hydroxycinnamoyl coa hydratase/lyase; PDBTitle: crystal structure of hydroxycinnamoyl-coa hydratase-lyase
92	c3oc7A	Alignment	not modelled	98.1	21	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of an enoyl-coa hydratase from mycobacterium avium
93	c3h0uB	Alignment	not modelled	98.1	17	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of a putative enoyl-coa hydratase from streptomyces2 avermitilis
94	c3gkbA	Alignment	not modelled	98.1	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
95	c5yloA	Alignment	not modelled	98.1	14	PDB header: hydrolase Chain: A: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structural of pseudomonas aeruginosa pa4980
96	c3kqfC	Alignment	not modelled	98.1	17	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.
97	c3hinA	Alignment	not modelled	98.1	16	PDB header: lyase Chain: A: PDB Molecule: putative 3-hydroxybutyryl-coa dehydratase; PDBTitle: crystal structure of putative enoyl-coa hydratase from2 rhodopseudomonas palustris cga009
98	c3g64A	Alignment	not modelled	98.1	16	PDB header: lyase Chain: A: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of putative enoyl-coa hydratase from streptomyces2 coelicolor a3(2)
99	c4nnqB	Alignment	not modelled	98.1	21	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of lnmf protein from streptomyces amphibiosporus
100	c2ej5B	Alignment	not modelled	98.1	14	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
101	d2f6ia1	Alignment	not modelled	98.1	11	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit
102	c3mybA	Alignment	not modelled	98.1	19	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase mycobacterium smegmatis
103	c4nekD	Alignment	not modelled	98.1	18	PDB header: isomerase Chain: D: PDB Molecule: enoyl-coa hydratase/carnithine racemase; PDBTitle: putative enoyl-coa hydratase/carnithine racemase from magnetospirillum2 magneticum amb-1

104	d1uiya_	Alignment	not modelled	98.1	22	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
105	c5xzdF_	Alignment	not modelled	98.1	21	PDB header: lyase Chain: F: PDB Molecule: enoyl-coa hydratase; PDBTitle: structure of acryloyl-coa hydratase acuh from roseovarius nubinihibens2 ism
106	c4di1A_	Alignment	not modelled	98.1	18	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase echa17; PDBTitle: crystal structure of enoyl-coa hydratase echa17 from mycobacterium2 marinum
107	d1pjha_	Alignment	not modelled	98.1	13	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
108	c3q1tB_	Alignment	not modelled	98.1	18	PDB header: lyase Chain: B: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium avium
109	c4mi2C_	Alignment	not modelled	98.1	17	PDB header: isomerase Chain: C: PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
110	d1wz8a1	Alignment	not modelled	98.1	19	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
111	c6ojmB_	Alignment	not modelled	98.1	19	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
112	c3bptA_	Alignment	not modelled	98.1	17	PDB header: hydrolase Chain: A: PDB Molecule: 3-hydroxyisobutyryl-coa hydrolase; PDBTitle: crystal structure of human beta-hydroxyisobutyryl-coa hydrolase in2 complex with quercetin
113	d1hzda_	Alignment	not modelled	98.1	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
114	c4k3wA_	Alignment	not modelled	98.1	13	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 marinobacter aquaeolei
115	c2qq3F_	Alignment	not modelled	98.1	24	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
116	d1yg6a1	Alignment	not modelled	98.1	12	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Clp protease, ClpP subunit
117	c3p5mB_	Alignment	not modelled	98.0	18	PDB header: isomerase Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium avium
118	c3hp0B_	Alignment	not modelled	98.0	18	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
119	c4og1A_	Alignment	not modelled	98.0	20	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
120	c3rsiA_	Alignment	not modelled	98.0	18	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