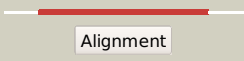

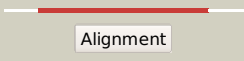

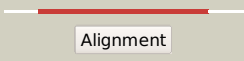

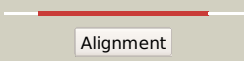

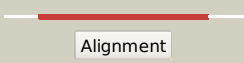

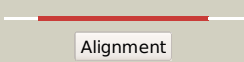

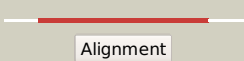

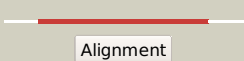

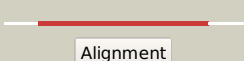

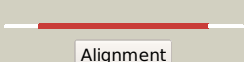

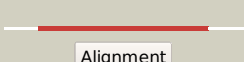









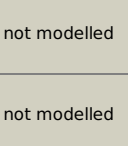


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2486_(echA14)_2794360_2795130
Date	Wed Aug 7 12:50:11 BST 2019
Unique Job ID	b97425a7e259974a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4jcsA_	 Alignment		100.0	28	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of enoyl-coa hydratase/isomerase from cupriavidus2 metallidurans ch34
2	c5z7rA_	 Alignment		100.0	29	PDB header: lyase Chain: A; PDB Molecule: short-chain-enoyl-coa hydratase; PDBTitle: crystal strcture of crotonase from clostridium acetobutylicum
3	c5jbxB_	 Alignment		100.0	33	PDB header: lyase Chain: B; PDB Molecule: 3-hydroxybutyryl-coa dehydratase; PDBTitle: crystal structure of liuc in complex with coenzyme a and malonic acid
4	c5zaiB_	 Alignment		100.0	27	PDB header: hydrolase Chain: B; PDB Molecule: 3-hydroxypropionyl-coenzyme a dehydratase; PDBTitle: crystal strcture of 3-hydroxypropionyl-coa dehydratase from2 metallosphaera sedula
5	c3hinA_	 Alignment		100.0	26	PDB header: lyase Chain: A; PDB Molecule: putative 3-hydroxybutyryl-coa dehydratase; PDBTitle: crystal structure of putative enoyl-coa hydratase from2 rhodospseudomonas palustris cga009
6	c3g64A_	 Alignment		100.0	31	PDB header: lyase Chain: A; PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of putative enoyl-coa hydratase from streptomyces2 coelicolor a3(2)
7	c4jfcA_	 Alignment		100.0	29	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a enoyl-coa hydratase from polaromonas sp. js666
8	c4og1A_	 Alignment		100.0	31	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
9	c3moyA_	 Alignment		100.0	30	PDB header: lyase Chain: A; PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of probable enoyl-coa hydratase from mycobacterium2 smegmatis
10	c2qq3F_	 Alignment		100.0	29	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
11	d1nzya_	 Alignment		100.0	30	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like

12	c3h81A	Alignment		100.0	30	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase echa8; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium2 tuberculosis
13	c3i47A	Alignment		100.0	28	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
14	c4zu2A	Alignment		100.0	28	PDB header: hydrolase Chain: A; PDB Molecule: putative isohexenylglutaconyl-coa hydratase; PDBTitle: pseudomonas aeruginosa atue
15	c3r0oA	Alignment		100.0	33	PDB header: lyase Chain: A; PDB Molecule: carnitiny-coa dehydratase; PDBTitle: crystal structure of carnitiny-coa hydratase from mycobacterium avium
16	c4k2nA	Alignment		100.0	27	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
17	c3t88A	Alignment		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 menb in complex with substrate2 analogue, osb-ncoa
18	c2vx2D	Alignment		100.0	24	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)
19	c4mi2C	Alignment		100.0	33	PDB header: isomerase Chain: C; PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 mycobacterium abscessus
20	c2ej5B	Alignment		100.0	34	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
21	c4fzwA	Alignment	not modelled	100.0	30	PDB header: isomerase/lyase Chain: A; PDB Molecule: 2,3-dehydroadipyl-coa hydratase; PDBTitle: crystal structure of the paaf-paag hydratase-isomerase complex from2 e.coli
22	c2hw5F	Alignment	not modelled	100.0	30	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
23	c3hrxD	Alignment	not modelled	100.0	35	PDB header: lyase Chain: D; PDB Molecule: probable enoyl-coa hydratase; PDBTitle: crystal structure of phenylacetic acid degradation protein paag
24	d1dcia	Alignment	not modelled	100.0	27	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
25	c4lk5B	Alignment	not modelled	100.0	30	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
26	c3rrvC	Alignment	not modelled	100.0	28	PDB header: isomerase Chain: C; PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
27	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
28	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

29	c3trrA_	Alignment	not modelled	100.0	34	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
30	c5ve2l_	Alignment	not modelled	100.0	30	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.
31	c3bptA_	Alignment	not modelled	100.0	26	PDB header: hydrolase Chain: A: PDB Molecule: 3-hydroxyisobutyryl-coa hydrolase; PDBTitle: crystal structure of human beta-hydroxyisobutyryl-coa hydrolase in2 complex with quercetin
32	c3p5mB_	Alignment	not modelled	100.0	30	PDB header: isomerase Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium avium
33	c3kqfC_	Alignment	not modelled	100.0	25	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.
34	c4hdtA_	Alignment	not modelled	100.0	26	PDB header: isomerase Chain: A: PDB Molecule: 3-hydroxyisobutyryl-coa hydrolase; PDBTitle: crystal structure of a carnitiny-coa dehydratase from mycobacterium2 thermoresistibile
35	d2fw2a1	Alignment	not modelled	100.0	20	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
36	c4kpkA_	Alignment	not modelled	100.0	22	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase from shewanella pealeana2 atcc 700345
37	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
38	c3swxB_	Alignment	not modelled	100.0	28	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
39	c4jylE_	Alignment	not modelled	100.0	26	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from thermoplasma volcanium2 gss1
40	c3rsiA_	Alignment	not modelled	100.0	29	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
41	c4j2uA_	Alignment	not modelled	100.0	29	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of an enoyl-coa hydratase from rhodobacter2 sphaeroides 2.4.1
42	d1mj3a_	Alignment	not modelled	100.0	29	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
43	d1wz8a1	Alignment	not modelled	100.0	26	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
44	c4i4zE_	Alignment	not modelled	100.0	27	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
45	c2ppyE_	Alignment	not modelled	100.0	24	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydrates (gk_1992) from geobacillus2 kaustophilus hta426
46	c4fzwD_	Alignment	not modelled	100.0	34	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
47	c3qxzA_	Alignment	not modelled	100.0	31	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
48	c4mouA_	Alignment	not modelled	100.0	26	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
49	d1hzda_	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
50	c4q1jA_	Alignment	not modelled	100.0	23	PDB header: lyase Chain: A: PDB Molecule: polyketide biosynthesis enoyl-coa isomerase pksi; PDBTitle: structure and mechanism of a dehydratase/decarboxylase enzyme couple2 involved in polyketide beta-branching
51	c3peaD_	Alignment	not modelled	100.0	26	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'
52	d1ef8a_	Alignment	not modelled	100.0	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
53	d1uiya_	Alignment	not modelled	100.0	33	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like

54	c3lkeA	Alignment	not modelled	100.0	25	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from bacillus halodurans
55	d1wdka4	Alignment	not modelled	100.0	25	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
56	c3mybA	Alignment	not modelled	100.0	28	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase mycobacterium smegmatis
57	d1q52a	Alignment	not modelled	100.0	22	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
58	c3njbA	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium smegmatis,2 iodide soak
59	c3qxiA	Alignment	not modelled	100.0	27	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase echa1; PDBTitle: crystal structure of enoyl-coa hydratase echa1 from mycobacterium2 marinum
60	c4k3wA	Alignment	not modelled	100.0	27	PDB header: isomerase Chain: A; PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 marinobacter aquaeolei
61	c2d3tB	Alignment	not modelled	100.0	24	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
62	c3gkbA	Alignment	not modelled	100.0	24	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
63	c4jvwA	Alignment	not modelled	100.0	28	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
64	d1xx4a	Alignment	not modelled	100.0	20	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
65	c3tiff	Alignment	not modelled	100.0	29	PDB header: isomerase Chain: F; PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 mycobacterium paratuberculosis
66	c6ojmB	Alignment	not modelled	100.0	24	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
67	c4izbB	Alignment	not modelled	100.0	30	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
68	c4f47A	Alignment	not modelled	100.0	33	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase echa19; PDBTitle: the structure of enoyl-coa hydratase echa19 from mycobacterium marinum
69	c3ju1A	Alignment	not modelled	100.0	22	PDB header: lyase, isomerase Chain: A; PDB Molecule: enoyl-coa hydratase/isomerase family protein; PDBTitle: crystal structure of enoyl-coa hydratase/isomerase family protein
70	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
71	c2fbmB	Alignment	not modelled	100.0	20	PDB header: structural genomics, unknown function Chain: B; PDB Molecule: y chromosome chromodomain protein 1, telomeric isoform b; PDBTitle: acetyltransferase domain of cdy1
72	c4k29A	Alignment	not modelled	100.0	31	PDB header: isomerase Chain: A; PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of an enoyl-coa hydratase/isomerase from2 xanthobacter autotrophicus py2
73	c2f6qA	Alignment	not modelled	100.0	24	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)
74	c4di1A	Alignment	not modelled	100.0	32	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase echa17; PDBTitle: crystal structure of enoyl-coa hydratase echa17 from mycobacterium2 marinum
75	c3hp0B	Alignment	not modelled	100.0	21	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
76	c3h0uB	Alignment	not modelled	100.0	27	PDB header: lyase Chain: B; PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of a putative enoyl-coa hydratase from streptomyces2 avermitilis
77	c3q1tB	Alignment	not modelled	100.0	27	PDB header: lyase Chain: B; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium avium
78	c3oc7A	Alignment	not modelled	100.0	29	PDB header: lyase Chain: A; PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of an enoyl-coa hydratase from mycobacterium avium

79	d2f6qa1	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
80	c4nngB	Alignment	not modelled	100.0	28	PDB header: lyase Chain: B: PDB Molecule: putative enoyl-coa hydratase; PDBTitle: crystal structure of lnmf protein from streptomyces amphibiosporus
81	c3sllC	Alignment	not modelled	100.0	31	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	c4b3hA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase/transferase Chain: A: PDB Molecule: fatty acid beta-oxidation complex alpha- chain fadb; PDBTitle: crystal structure of mycobacterium tuberculosis fatty acid2 beta-oxidation complex
83	c4wczB	Alignment	not modelled	100.0	30	PDB header: isomerase Chain: B: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a putative enoyl-coa hydratase/isomerase from2 novosphingobium aromaticivorans
84	c3he2C	Alignment	not modelled	100.0	31	PDB header: lyase Chain: C: PDB Molecule: enoyl-coa hydratase echa6; PDBTitle: crystal structure of enoyl-coa hydratase from mycobacterium2 tuberculosis
85	d1pjha	Alignment	not modelled	100.0	21	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
86	c5yloA	Alignment	not modelled	100.0	33	PDB header: hydrolase Chain: A: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structural of pseudomonas aeruginosa pa4980
87	c4jotA	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, putative; PDBTitle: crystal structure of enoyl-coa hydrotase from deinococcus radiodurans2 r1
88	c3isaA	Alignment	not modelled	100.0	26	PDB header: hydrolase Chain: A: PDB Molecule: putative enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of putative enoyl-coa hydratase/isomerase from2 bordetella parapertussis
89	c2q35A	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: curf; PDBTitle: crystal structure of the y82f variant of ech2 decarboxylase domain of2 curf from lyngbya majuscula
90	c2j5fF	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
91	c6iunB	Alignment	not modelled	100.0	29	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
92	c4jyA	Alignment	not modelled	100.0	20	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
93	c5wybB	Alignment	not modelled	100.0	32	PDB header: isomerase Chain: B: PDB Molecule: probable enoyl-coa hydratase/isomerase; PDBTitle: structure of pseudomonas aeruginosa dspl
94	c4jvtA	Alignment	not modelled	100.0	31	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
95	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
96	c3fduF	Alignment	not modelled	100.0	29	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
97	c5zqzC	Alignment	not modelled	100.0	21	PDB header: lyase,hydrolase/transferase Chain: C: PDB Molecule: trifunctional enzyme subunit alpha, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, tetramer
98	d2a7ka1	Alignment	not modelled	100.0	27	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
99	c3qkaB	Alignment	not modelled	100.0	31	PDB header: lyase Chain: B: PDB Molecule: enoyl-coa hydratase, echa5; PDBTitle: crystal structure of enoyl-coa hydratase echa5 from mycobacterium2 marinum
100	c2wtbA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty acid multifunctional protein (atmfp2); PDBTitle: arabidopsis thaliana multifunctional protein, mfp2
101	c3r6hA	Alignment	not modelled	100.0	25	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase, echa3; PDBTitle: crystal structure of an enoyl-coa hydratase (echa3) from mycobacterium2 marinum
102	d1sg4a1	Alignment	not modelled	100.0	21	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
103	c2w3pB	Alignment	not modelled	100.0	27	PDB header: lyase Chain: B: PDB Molecule: benzoyl-coa-dihydrodiol lyase; PDBTitle: boxc crystal structure
						Fold: ClpP/crotonase

104	d1szoa_	Alignment	not modelled	100.0	24	Superfamily: ClpP/crotonase Family: Crotonase-like
105	c3laoA_	Alignment	not modelled	100.0	26	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of enoyl-coa hydratase from pseudomonas2 aeruginosa pa01
106	c3h02F_	Alignment	not modelled	100.0	28	PDB header: lyase Chain: F: PDB Molecule: naphthoate synthase; PDBTitle: 2.15 angstrom resolution crystal structure of naphthoate synthase from2 salmonella typhimurium.
107	c3ot6A_	Alignment	not modelled	100.0	23	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
108	c3p85A_	Alignment	not modelled	100.0	32	PDB header: lyase Chain: A: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure enoyl-coa hydratase from mycobacterium avium
109	c3omeE_	Alignment	not modelled	100.0	27	PDB header: lyase Chain: E: PDB Molecule: enoyl-coa hydratase; PDBTitle: crystal structure of a probable enoyl-coa hydratase from mycobacterium2 smegmatis
110	c3l3sF_	Alignment	not modelled	100.0	25	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
111	c2pg8C_	Alignment	not modelled	100.0	24	PDB header: ligand binding protein Chain: C: PDB Molecule: dpgc; PDBTitle: crystal structure of r254k mutanat of dpgc with bound substrate analog
112	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
113	c1rjnC_	Alignment	not modelled	100.0	24	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
114	d1rjma_	Alignment	not modelled	100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Crotonase-like
115	c5fusB_	Alignment	not modelled	100.0	17	PDB header: lyase Chain: B: PDB Molecule: putative enoyl coa hydratase; PDBTitle: crystal structure of b. cenocepacia dfsa
116	c4kd6A_	Alignment	not modelled	100.0	28	PDB header: isomerase Chain: A: PDB Molecule: enoyl-coa hydratase/isomerase; PDBTitle: crystal structure of a enoyl-coa hydratase/isomerase from burkholderia2 graminis c4d1m
117	c3m6nA_	Alignment	not modelled	100.0	17	PDB header: lyase Chain: A: PDB Molecule: rpff protein; PDBTitle: crystal structure of rpff
118	c3qreA_	Alignment	not modelled	100.0	40	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	30	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	25	PDB header: lyase Chain: C: PDB Molecule: enoyl-coa hydratase carb homologue; PDBTitle: thne from s.clavuligerus