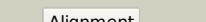
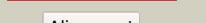
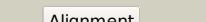
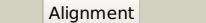
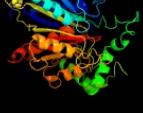
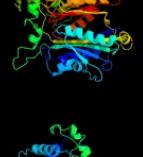


Phyre²

Email mdejesus@rockefeller.edu
 Description RVBD3523_(ltp3)_3959708_3960892
 Date Fri Aug 9 18:20:20 BST 2019
 Unique Job ID f1ba65f0892f0fc6

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3zbgA			100.0	25	PDB header: transferase Chain: A; PDB Molecule: 3-ketoacyl-coa thiolase-like protein; PDBTitle: crystal structure of wild-type scp2 thiolase from leishmania2 mexicana at 1.85 a
2	c6et9D			100.0	26	PDB header: transferase Chain: D; PDB Molecule: acetyl-coa acetyltransferase thiolase; PDBTitle: structure of the acetoacetyl-coa-thiolase/hmg-coa-synthase complex2 from methanothermococcus thermolithothrophicus at 2.75 a
3	c6hspB			100.0	28	PDB header: transferase Chain: B; PDB Molecule: scp2-thiolase (type-1); PDBTitle: crystal structure of the zebrafish peroxisomal scp2-thiolase (type-1)2 in complex with coa and octanoyl-coa
4	c5ab6E			100.0	22	PDB header: transport protein Chain: E; PDB Molecule: scp2-thiolase like protein; PDBTitle: crystal structure of trypanosoma brucei scp2-thiolase like2 protein (tbslp) in complex with acetoacetyl-coa.
5	c6ok1A			100.0	27	PDB header: transport protein Chain: A; PDB Molecule: lipid-transfer protein; PDBTitle: ltp2-chsh2(duf35) aldolase
6	c5mg5R			100.0	21	PDB header: transferase Chain: R; PDB Molecule: 2,4-diacetylphloroglucinol biosynthesis protein phlc; PDBTitle: a multi-component acyltransferase phlabc from pseudomonas protegens2 soaked with the monoacetylphloroglucinol (mapg)
7	c4u4eA			100.0	28	PDB header: transferase Chain: A; PDB Molecule: thiolase; PDBTitle: crystal structure of putative thiolase from sphaerobacter thermophilus2 dsm 20745
8	c4yz0D			100.0	34	PDB header: transferase Chain: D; PDB Molecule: putative acyl-coa acyltransferase; PDBTitle: crystal structure analysis of thiolase-like protein, st0096 from2 sulfolobus tokodaii
9	c5zrvH			100.0	17	PDB header: liase, oxidoreductase/transferase Chain: H; PDB Molecule: trifunctional enzyme subunit beta, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, octamer
10	c5xyjA			100.0	18	PDB header: transferase Chain: A; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: purification,crystallization and structural analysis of cytoplasmic2 acetoacetyl-coa thiolase from saccharomyces cerevisiae
11	c5d3tC			100.0	17	PDB header: lyase, oxidoreductase/transferase Chain: C; PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: fatty acid beta-oxidation multienzyme complex from2 pseudomonas fragi, form v

12	c5bz4K_	Alignment		100.0	20	PDB header: transferase Chain: K: PDB Molecule: beta-ketothiolase; PDBTitle: crystal structure of a t1-like thiolase (coa-complex) from2 mycobacterium smegmatis
13	c1ulqD_	Alignment		100.0	19	PDB header: transferase Chain: D: PDB Molecule: putative acetyl-coa acetyltransferase; PDBTitle: crystal structure of tt0182 from thermus thermophilus hb8
14	c4o9cC_	Alignment		100.0	20	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of beta-ketothiolase (phaa) from ralstonia eutropha h16
15	c3ss6B_	Alignment		100.0	18	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of the bacillus anthracis acetyl-coa2 acetyltransferase
16	c4wysB_	Alignment		100.0	22	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of thiolase from escherichia coli
17	c2wuaA_	Alignment		100.0	16	PDB header: transferase Chain: A: PDB Molecule: acetoacetyl coa thiolase; PDBTitle: structure of the peroxisomal 3-ketoacyl-coa thiolase from sunflower
18	c4n45B_	Alignment		100.0	19	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of reduced form of thiolase from clostridium2 acetobutylicum
19	c4nzsA_	Alignment		100.0	19	PDB header: transferase Chain: A: PDB Molecule: beta-ketothiolase bktb; PDBTitle: crystal structure of beta-ketothiolase bktb b from ralstonia eutropha h16
20	c2c7yB_	Alignment		100.0	18	PDB header: transferase Chain: B: PDB Molecule: 3-ketoacyl-coa thiolase 2; PDBTitle: plant enzyme
21	c5lp7A_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of 3-ketoacyl-coa thiolase (mmga) from bacillus2 subtilis.
22	c2vu2D_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase from z. ramigera. complex with s-pantetheine-11-2 pivalate.
23	c6aqpA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: aspergillus fumigatus cytosolic thiolase: acetylated enzyme in complex2 with coa and potassium ions
24	c6bn2A_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from elizabethkingia2 anophelis nuhp1
25	c6bjbB_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase a; PDBTitle: crystal structure of acat2-c91s thiolase from ascaris suum in complex2 with propionyl-coa and nitrate
26	c4c2jA_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, mitochondrial; PDBTitle: crystal structure of human mitochondrial 3-ketoacyl-coa2 thiolase in complex with coa
27	c4ubwB_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase fada5; PDBTitle: apo structure of the 3-ketoacyl-coa thiolase fada5 from m.2 tuberculosis
28	c2ibyD_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystallographic and kinetic studies of human mitochondrial2 acetoacetyl-coa thiolase (t2): the importance of

						potassium and3 chloride for its structure and function
29	c6bjA	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase a; PDBTitle: crystal structure of acat5 thiolase from ascaris suum in complex with 2 coenzyme a
30	c4eqvC	Alignment	not modelled	100.0	19	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of a monomeric scp2-thiolase like protein type 12 (stlp1) from mycobacterium smegmatis
31	c1wl5A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: acetyl-coenzyme a acetyltransferase 2; PDBTitle: human cytosolic acetoadetyl-coa thiolase
32	c1afwB	Alignment	not modelled	100.0	14	PDB header: thiolase Chain: B: PDB Molecule: 3-ketoacetyl-coa thiolase; PDBTitle: the 1.8 angstrom crystal structure of the dimeric2 peroxisomal thiolase of saccharomyces cerevisiae
33	c2iikA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, peroxisomal; PDBTitle: crystal structure of human peroxisomal acetyl-coa acyl transferase 12 (aca1)
34	c4dd5A	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase (thla1) from clostridium difficile
35	c3goaA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: crystal structure of the salmonella typhimurium fada 3-ketoacyl-coa2 thiolase
36	c4e1IC	Alignment	not modelled	100.0	20	PDB header: transferase Chain: C: PDB Molecule: acetoadetyl-coa thiolase 2; PDBTitle: crystal structure of acetoadetyl-coa thiolase (thla2) from clostridium2 difficile
37	c3svkB	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from mycobacterium2 avium
38	c2vz8B	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
39	c2vz8A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
40	c6fikA	Alignment	not modelled	100.0	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: polyketide synthase; PDBTitle: acp2 crosslinked to the ks of the loading/condensing region of the2 ctb1 pks
41	d1wdkc1	Alignment	not modelled	100.0	15	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
42	d1m3ka1	Alignment	not modelled	100.0	15	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
43	c4b3yB	Alignment	not modelled	100.0	14	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: cryo-em structure of the mycobacterial fatty acid synthase
44	c4kc5D	Alignment	not modelled	100.0	19	PDB header: transferase Chain: D: PDB Molecule: rhe protein; PDBTitle: crystal structure of the c-terminal part of rhe from burkholderia2 rhizoxinica
45	c4opeD	Alignment	not modelled	100.0	19	PDB header: ligase, transferase Chain: D: PDB Molecule: nrps/pks; PDBTitle: streptomyces albus ja3453 oxazolomycin ketosynthase domain ozmn ks7
46	c5e5nB	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B: PDB Molecule: polyketide synthase pksl; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
47	d1afwa1	Alignment	not modelled	100.0	12	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
48	d1ulqg1	Alignment	not modelled	100.0	17	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
49	c4tl2A	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgsf from streptomyces2 platensis
50	c4oqjA	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: pks; PDBTitle: streptomyces albus ja3453 oxazolomycin ketosynthase domain ozmn ks1
51	c2qo3A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: eryaii erythromycin polyketide synthase modules 3 and 4; PDBTitle: crystal structure of [ks3][at3] didomain from module 3 of 6-2 deoxyerthronolide b synthase
52	c4wkyB	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomyces albus ja3453 oxazolomycin ketosynthase domain ozmn ks2
53	c5erbB	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase; PDBTitle: ketosynthase from module 5 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
54	c4tktA	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase

					domain mgsf ks6
55	c5elpA_	Alignment	not modelled	100.0	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
56	c4na3A_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: polyketide synthase pkj; PDBTitle: crystal structure of the second ketosynthase from the bacillaene2 polyketide synthase bound to a hexanoyl substrate mimic
57	c4qyrA_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platenis isomigrastatin ketosynthase domain mgse ks3
58	c4z37A_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: putative mixed polyketide synthase/non-ribosomal peptide PDBTitle: structure of the ketosynthase of module 2 of c0zgq5 (trans-at pkj2) from brevibacillus brevis
59	c4mz0B_	Alignment	not modelled	100.0	PDB header: transferase Chain: B: PDB Molecule: curl; PDBTitle: structure of a ketosynthase-acyltransferase di-domain from module curl2 of the curacin a polyketide synthase
60	c5e5nD_	Alignment	not modelled	100.0	PDB header: hydrolase Chain: D: PDB Molecule: polyketide synthase pkj; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
61	c6c9uA_	Alignment	not modelled	100.0	PDB header: transferase/immune system Chain: A: PDB Molecule: 6-deoxyerythronolide-b synthase erya2, modules 3 and 4; PDBTitle: crystal structure of [ks3][at3] didomain from module 3 of 6-2 deoxyerthronolide b synthase in complex with antibody fragment (fab)
62	c3hhcC_	Alignment	not modelled	100.0	PDB header: transferase, hydrolase Chain: C: PDB Molecule: fatty acid synthase; PDBTitle: structure of the human fatty acid synthase ks-mat didomain as a2 framework for inhibitor design.
63	c2hg4A_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: 6-deoxyerythronolide b synthase; PDBTitle: structure of the ketosynthase-acyltransferase didomain of module 52 from debs.
64	c5bp1A_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: mycocerosic acid synthase; PDBTitle: condensing di-domain (ks-at) of a mycocerosic acid synthase-like (mas-2 like) pks
65	c3hmjB_	Alignment	not modelled	100.0	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: saccharomyces cerevisiae fas type i
66	c4cw4A_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of the noncanonical ketosynthase faby2 from p. aeruginosa
67	c2pffG_	Alignment	not modelled	100.0	PDB header: transferase Chain: G: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
68	c2pffA_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
69	c2pffD_	Alignment	not modelled	100.0	PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
70	c4ls5A_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: crystal structure of beta-ketoacyl-acp synthase ii (fabf) from2 bacillus subtilis
71	c2ix4B_	Alignment	not modelled	100.0	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: arabidopsis thaliana mitochondrial beta-ketoacyl acp synthase hexanoic2 acid complex
72	c2gfvA_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of e. coli fabf (kasii) c163q mutant
73	c1tqyC_	Alignment	not modelled	100.0	PDB header: transferase Chain: C: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 1; PDBTitle: the actinorhodin ketosynthase/chain length factor
74	cloxhD_	Alignment	not modelled	100.0	PDB header: transferase Chain: D: PDB Molecule: beta ketoacyl-acyl carrier protein synthase; PDBTitle: the crystal structure of beta-ketoacyl-[acyl carrier protein] synthase2 ii from streptococcus pneumoniae, triclinic form
75	c1e5mA_	Alignment	not modelled	100.0	PDB header: condensing enzyme Chain: A: PDB Molecule: beta ketoacyl acyl carrier protein synthase ii; PDBTitle: beta ketoacyl acyl carrier protein synthase ii (kasii) from2 synechocystis sp.
76	c4opfA_	Alignment	not modelled	100.0	PDB header: ligase, transferase Chain: A: PDB Molecule: nrps/pks; PDBTitle: streptomyces albus ja3453 oxazolomycin ketosynthase domain ozmh ks8
77	c4b7vA_	Alignment	not modelled	100.0	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of wild type pseudomonas aeruginosa fabf (kasii)
78	c2iwyB_	Alignment	not modelled	100.0	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: human mitochondrial beta-ketoacyl acp synthase

79	c4ewgA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of a beta-ketoacyl synthase from burkholderia2 phymatum stm815
80	c2uv8C	Alignment	not modelled	100.0	15	PDB header: transferase Chain: C: PDB Molecule: fatty acid synthase subunit alpha (fas2); PDBTitle: crystal structure of yeast fatty acid synthase with stalled2 acyl carrier protein at 3.1 angstrom resolution
81	c2gqdB	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: the crystal structure of b-ketoacyl-acp synthase ii (fabf) from2 staphylococcus aureus
82	c4jgaA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: x-ray crystal structure of 3-oxoacyl-[acyl-carrier-protein] synthase 22 from rickettsia rickettsii
83	c2vkzC	Alignment	not modelled	100.0	15	PDB header: transferase Chain: C: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structure of the cerulenin-inhibited fungal fatty acid synthase type i2 multienzyme complex
84	c4ddoA	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: crystal structure of 3-oxoacyl-[acyl-carrier-protein] synthase ii from2 burkholderia vietnamiensis
85	c2gp6B	Alignment	not modelled	100.0	15	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: x-ray crystal structure of mycobacterium tuberculosis beta-ketoacyl2 acyl carrier protein synthase ii (mtkab)
86	c1j3nB	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-(acyl-carrier protein) synthase ii; PDBTitle: crystal structure of 3-oxoacyl-(acyl-carrier protein)2 synthase ii from thermus thermophilus hb8
87	c2uv9B	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase alpha subunits; PDBTitle: crystal structure of fatty acid synthase from thermomyces2 lanuginosus at 3.1 angstrom resolution. this file contains3 the alpha subunits of the fatty acid synthase. the entire4 crystal structure consists of one heterododecameric fatty5 acid synthase and is described in remark 400
88	c4qavB	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: the structure of beta-ketoacyl -(acyl carrier protein) synthase ii2 (fabf) from neisseria meningitidis
89	c3e60A	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase ii; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein) synthase ii from2 bartonella henselae
90	c3o04A	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: beta-keto-acyl carrier protein synthase ii; PDBTitle: crystal structure of the beta-keto-acyl carrier protein synthase ii2 (lmo2201) from listeria monocytogenes
91	c2wggA	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 1; PDBTitle: crystal structure of mycobacterium tuberculosis c171q kasa2 variant with bound tlm
92	c2buiC	Alignment	not modelled	100.0	19	PDB header: synthase Chain: C: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase i; PDBTitle: e.coli beta-ketoacyl (acyl carrier protein) synthase i in2 complex with octanoic acid, 120k
93	c1tqyD	Alignment	not modelled	100.0	17	PDB header: transferase Chain: D: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 2; PDBTitle: the actinorhodin ketosynthase/chain length factor
94	c3lrfa	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of beta-ketoacyl synthase from brucella2 melitensis
95	c6qspA	Alignment	not modelled	100.0	18	PDB header: biosynthetic protein Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: ketosynthase (apeo) in complex with its chain length factor (apec)2 from xenorhabdus douceutiae
96	d1ulqa2	Alignment	not modelled	100.0	21	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
97	d1wdkc2	Alignment	not modelled	100.0	22	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
98	d1m3ka2	Alignment	not modelled	100.0	24	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
99	c2ebdB	Alignment	not modelled	99.9	23	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of 3-oxoacyl-[acyl-carrier-protein] synthase iii2 from aquifex aeolicus vf5
100	d1afwa2	Alignment	not modelled	99.9	18	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
101	c4ewpD	Alignment	not modelled	99.9	23	PDB header: transferase Chain: D: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of fabh from micrococcus luteus
						PDB header: transferase

102	c1mzb_	Alignment	not modelled	99.9	22	Chain: B: PDB Molecule: beta-ketoacylsynthase iii; PDBTitle: crystal structure of the priming beta-ketosynthase from the r1128 polyketide biosynthetic pathway PDB header: transferase
103	c6a9nA_	Alignment	not modelled	99.9	22	Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of kas iii from propionibacterium acnes PDB header: transferase
104	c1zowB_	Alignment	not modelled	99.9	24	Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase iii; PDBTitle: crystal structure of s. aureus fabh, beta-ketoacyl carrier protein2 synthase iii PDB header: transferase
105	c2d3mA_	Alignment	not modelled	99.9	19	Chain: A: PDB Molecule: pentaketide chromone synthase; PDBTitle: pentaketide chromone synthase complexed with coenzyme a PDB header: transferase
106	c4x0oG_	Alignment	not modelled	99.9	20	Chain: G: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3 protein 2; PDBTitle: beta-ketoacyl-(acyl carrier protein) synthase iii-2 (fabh2) from vibrio cholerae soaked with acetyl-coa PDB header: transferase
107	c2p0uB_	Alignment	not modelled	99.9	19	Chain: B: PDB Molecule: stilbenecarboxylate synthase 2; PDBTitle: crystal structure of marchantia polymorpha stilbenecarboxylate2 synthase 2 (sts2) PDB header: transferase
108	c2qnxA_	Alignment	not modelled	99.9	28	Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of the complex between the mycobacterium beta-2 ketoacyl-acyl carrier protein synthase iii (fabh) and 11-3 [(decyloxy carbonyl)dithio]-undecanoic acid PDB header: transferase
109	c3il3A_	Alignment	not modelled	99.9	18	Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structure of haemophilus influenzae fabh PDB header: transferase
110	c4dfeB_	Alignment	not modelled	99.9	22	Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of 3-oxoacyl-[acyl-carrier-protein] synthase iii2 from burkholderia xenovorans PDB header: transferase
111	c3gwaA_	Alignment	not modelled	99.9	20	Chain: A: PDB Molecule: 3-oxoacyl-(acyl-carrier-protein) synthase iii; PDBTitle: 1.6 angstrom crystal structure of 3-oxoacyl-(acyl-carrier-protein)2 synthase iii PDB header: transferase
112	c5bqsA_	Alignment	not modelled	99.9	19	Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: s. pneumoniae fabh with small molecule inhibitor 4 PDB header: transferase/transferase inhibitor
113	c5ucoB_	Alignment	not modelled	99.9	21	Chain: B: PDB Molecule: 2,4,6-trihydroxybenzophenone synthase; PDBTitle: benzophenone synthase from hypericum androsaemum PDB header: transferase
114	c3ov3A_	Alignment	not modelled	99.9	15	Chain: A: PDB Molecule: curcumin synthase; PDBTitle: g211f mutant of curcumin synthase 1 from curcuma longa PDB header: transferase
115	c5gk2A_	Alignment	not modelled	99.9	15	Chain: A: PDB Molecule: keto synthase std; PDBTitle: the structure of the h302a mutant of std PDB header: transferase
116	c1ee0A_	Alignment	not modelled	99.9	18	Chain: A: PDB Molecule: 2-pyrone synthase; PDBTitle: 2-pyrone synthase complexed with acetoacetyl-coa PDB header: transferase
117	c2gyoB_	Alignment	not modelled	99.9	26	Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: methanethiol-cys 112 inhibition complex of e. coli ketoacyl synthase2 iii (fabh) and coenzyme a PDB header: transferase
118	c5dwzC_	Alignment	not modelled	99.9	21	Chain: C: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structural and functional characterization of pqsbc, a condensing2 enzyme in the biosynthesis of the pseudomonas aeruginosa quinolone3 signal PDB header: transferase
119	c5yo9A_	Alignment	not modelled	99.9	21	Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-(acp)] synthase iii c terminal PDBTitle: crystal structure of kas iii from acinetobacter baumannii PDB header: transferase
120	c3h76A_	Alignment	not modelled	99.9	23	Chain: A: PDB Molecule: pqs biosynthetic enzyme; PDBTitle: crystal structure of pqs d, a key enzyme in pseudomonas2 aeruginosa quinolone signal biosynthesis pathway PDB header: transferase