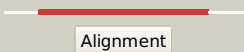

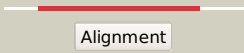



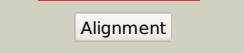



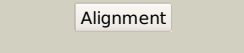

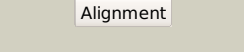



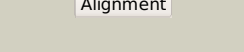

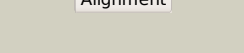

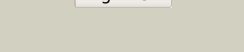



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1867 (-) _2115771_2117255
Date	Fri Aug 2 13:30:48 BST 2019
Unique Job ID	822cfb1f588b0007

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4egvC_	 Alignment		100.0	35	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
2	c5bz4K_	 Alignment		100.0	19	PDB header: transferase Chain: K; PDB Molecule: beta-ketothiolase; PDBTitle: crystal structure of a t1-like thiolase (coa-complex) from2 mycobacterium smegmatis
3	c1ulqD_	 Alignment		100.0	18	PDB header: transferase Chain: D; PDB Molecule: putative acetyl-coa acetyltransferase; PDBTitle: crystal structure of tt0182 from thermus thermophilus hb8
4	c5xyjA_	 Alignment		100.0	15	PDB header: transferase Chain: A; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: purification,crystallization and structural analysis of cytoplasmic2 acetoacetyl-coa thiolase from saccharomyces cerevisiae
5	c2d3tC_	 Alignment		100.0	16	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
6	c5ab6E_	 Alignment		100.0	19	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.
7	c5lp7A_	 Alignment		100.0	17	PDB header: transferase Chain: A; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of 3-ketoacyl-coa thiolase (mmga) from bacillus2 subtilis.
8	c3zbgA_	 Alignment		100.0	18	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
9	c6et9D_	 Alignment		100.0	22	PDB header: transferase Chain: D; PDB Molecule: acetyl-coa acetyltransferase thiolase; PDBTitle: structure of the acetoacetyl-coa-thiolase/hmg-coa-synthase complex2 from methanothermococcus thermolithotrophicus at 2.75 a
10	c3ss6B_	 Alignment		100.0	17	PDB header: transferase Chain: B; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of the bacillus anthracis acetyl-coa2 acetyltransferase
11	c4wysB_	 Alignment		100.0	19	PDB header: transferase Chain: B; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of thiolase from escherichia coli

12	c5zrvH_	Alignment		100.0	15	PDB header: liase, oxidoreductase/transferase Chain: H: PDB Molecule: trifunctional enzyme subunit beta, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, octamer
13	c4o9cC_	Alignment		100.0	17	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of beta-ketothiolase (phaa) from ralstonia eutropha2 h16
14	c2vu2D_	Alignment		100.0	17	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase from z. ramigera. complex with s-pantetheine-11-2 pivalate.
15	c6aaqA_	Alignment		100.0	15	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: aspergillus fumigatus cytosolic thiolase: acetylated enzyme in complex2 with coa and potassium ions
16	c4n45B_	Alignment		100.0	16	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of reduced form of thiolase from clostridium2 acetobutylicum
17	c6ok1A_	Alignment		100.0	24	PDB header: transport protein Chain: A: PDB Molecule: lipid-transfer protein; PDBTitle: ltp2-chsh2(duf35) aldolase
18	c4ubwB_	Alignment		100.0	17	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
19	c3goaA_	Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: crystal structure of the salmonella typhimurium fada 3-ketoacyl-coa2 thiolase
20	c6hspB_	Alignment		100.0	18	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
21	c3svkB_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from mycobacterium2 avium
22	c4nzsA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: beta-ketothiolase bktb; PDBTitle: crystal structure of beta-ketothiolase bktb b from ralstonia eutropha2 h16
23	c6bjaA_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase a; PDBTitle: crystal structure of acat5 thiolase from ascaris suum in complex with2 coenzyme a
24	c6bn2A_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from elizabethkingia2 anophelis nuhp1
25	c2iikA_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, peroxisomal; PDBTitle: crystal structure of human peroxisomal acetyl-coa acyl transferase 12 (aca1)
26	c1wl5A_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: acetyl-coenzyme a acetyltransferase 2; PDBTitle: human cytosolic acetoacetyl-coa thiolase
27	c4c2jA_	Alignment	not modelled	100.0	16	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
28	c1afwB_	Alignment	not modelled	100.0	12	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
						PDB header: transferase

29	c2c7yB_	Alignment	not modelled	100.0	17	Chain: B: PDB Molecule: 3-ketoacyl-coa thiolase 2; PDBTitle: plant enzyme
30	c5mg5R_	Alignment	not modelled	100.0	15	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 (magg)
31	c2wuaA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: acetoacetyl coa thiolase; PDBTitle: structure of the peroxisomal 3-ketoacyl-coa thiolase from sunflower
32	c2ibyD_	Alignment	not modelled	100.0	15	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
33	c6bjbB_	Alignment	not modelled	100.0	16	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
34	c4u4eA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: thiolase; PDBTitle: crystal structure of putative thiolase from sphaerobacter thermophilus2 dsm 20745
35	c4dd5A_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase (thla1) from clostridium difficile
36	c4yzoD_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: D: PDB Molecule: putative acyl-coa acyltransferase; PDBTitle: crystal structure analysis of thiolase-like protein, st0096 from2 sulfolobus tokodaii
37	c4e1lC_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: C: PDB Molecule: acetoacetyl-coa thiolase 2; PDBTitle: crystal structure of acetoacetyl-coa thiolase (thla2) from clostridium2 difficile
38	c4b3yB_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: cryo-em structure of the mycobacterial fatty acid synthase
39	c2vz8A_	Alignment	not modelled	100.0	11	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
40	c2vz8B_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
41	c4kc5D_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: D: PDB Molecule: rhie protein; PDBTitle: crystal structure of the c-terminal part of rhie from burkholderia2 rhizoxinica
42	c5e5nB_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: B: PDB Molecule: polyketide synthase pksI; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
43	c4oqjA_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A: PDB Molecule: pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmq ks1
44	d1wdkc1	Alignment	not modelled	100.0	15	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
45	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
46	c4tktA_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomcyes platensis isomigrastatin ketosynthase domain mgfsf ks6
47	c5elpA_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
48	c5erbB_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase; PDBTitle: ketosynthase from module 5 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
49	c4opeD_	Alignment	not modelled	100.0	14	PDB header: ligase, transferase Chain: D: PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks7
50	c4tl2A_	Alignment	not modelled	100.0	12	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgfsf from streptomcyes2 platensis
51	c2qo3A_	Alignment	not modelled	100.0	18	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	c4z37A_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: putative mixed polyketide synthase/non-ribosomal peptide PDBTitle: structure of the ketosynthase of module 2 of c0zqg5 (trans-at pks)2 from brevivacillus brevis
53	c5e5nD_	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: D: PDB Molecule: polyketide synthase pksI; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)

54	d1ulqa1	Alignment	not modelled	100.0	16	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
55	c4na3A	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: polyketide synthase pksj; PDBTitle: crystal structure of the second ketosynthase from the bacillaene2 polyketide synthase bound to a hexanoyl substrate mimic
56	d1m3ka1	Alignment	not modelled	100.0	15	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
57	c6c9uA	Alignment	not modelled	100.0	18	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 deoxyerythronolide b synthase in complex with antibody fragment (fab)
58	c4wkyB	Alignment	not modelled	100.0	13	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmn ks2
59	c4mz0B	Alignment	not modelled	100.0	16	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	d1afwa1	Alignment	not modelled	100.0	14	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
61	c4qyrA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomcyes platensis isomigrastatin ketosynthase domain mgse ks3
62	c3hmjB	Alignment	not modelled	100.0	15	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: saccharomyces cerevisiae fas type i
63	c2hg4A	Alignment	not modelled	100.0	19	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	15	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	c3hhdC	Alignment	not modelled	100.0	14	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.
66	c4opfA	Alignment	not modelled	100.0	18	PDB header: ligase, transferase Chain: A: PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks8
67	c4cw4A	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of the noncanonical ketosynthase faby2 from p. aeruginosa
68	c2pffG	Alignment	not modelled	100.0	16	PDB header: transferase Chain: G: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
69	c2pffA	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
70	c2pffD	Alignment	not modelled	100.0	16	PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
71	c2uv8C	Alignment	not modelled	100.0	16	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
72	c2vkzC	Alignment	not modelled	100.0	16	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
73	c2uv9B	Alignment	not modelled	100.0	19	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
74	c2iwyB	Alignment	not modelled	100.0	20	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: human mitochondrial beta-ketoacyl acp synthase
75	c4b7vA	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of wild type pseudomonas aeruginosa fabf (kasii)
76	c1tqyC	Alignment	not modelled	100.0	17	PDB header: transferase Chain: C: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 1; PDBTitle: the actinorhodin ketosynthase/chain length factor
77	c2ix4B	Alignment	not modelled	100.0	15	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: arabidopsis thaliana mitochondrial beta-ketoacyl acp synthase hexanoic2 acid complex
78	c2gfvA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2;

79	c2gqdB	Alignment	not modelled	100.0	16	PDBTitle: structure of e. coli fabf (kasio) c163q mutant PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: the crystal structure of b-ketoacyl-acyl carrier protein synthase ii (fabf) from2 staphylococcus aureus
80	c4jgaA	Alignment	not modelled	100.0	16	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
81	c4ls5A	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: crystal structure of beta-ketoacyl-acyl carrier protein synthase ii (fabf) from2 bacillus subtilis
82	c1e5mA	Alignment	not modelled	100.0	16	PDB header: condensing enzyme Chain: A: PDB Molecule: beta ketoacyl acyl carrier protein synthase ii; PDBTitle: beta ketoacyl acyl carrier protein synthase ii (kasio) from2 synechocystis sp.
83	c1j3nB	Alignment	not modelled	100.0	20	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
84	c4ddoA	Alignment	not modelled	100.0	17	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	c4qavB	Alignment	not modelled	100.0	17	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
86	c1oxhD	Alignment	not modelled	100.0	18	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
87	c3e60A	Alignment	not modelled	100.0	15	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
88	c2gp6B	Alignment	not modelled	100.0	18	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 (mtkasb)
89	c4ewgA	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of a beta-ketoacyl synthase from burkholderia2 phymatum stm815
90	c3o04A	Alignment	not modelled	100.0	15	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	19	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	d1ulqa2	Alignment	not modelled	100.0	21	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
93	d1wdkc2	Alignment	not modelled	100.0	18	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
94	d1m3ka2	Alignment	not modelled	100.0	21	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
95	c1tqyD	Alignment	not modelled	100.0	20	PDB header: transferase Chain: D: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 2; PDBTitle: the actinorhodin ketosynthase/chain length factor
96	c3lrfA	Alignment	not modelled	99.9	13	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of beta-ketoacyl synthase from brucella2 melitensis
97	c2buiC	Alignment	not modelled	99.9	14	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
98	c6qspA	Alignment	not modelled	99.9	15	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 doucetiae
99	d1afwa2	Alignment	not modelled	99.9	18	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
100	c2ebdB	Alignment	not modelled	99.9	21	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
101	c5gk2A	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: ketosynthase stdl; PDBTitle: the structure of the h302a mutant of stdl

102	c1mzjB_	Alignment	not modelled	99.9	21	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacylsynthase iii; PDBTitle: crystal structure of the priming beta-ketosynthase from the2 r1128 polyketide biosynthetic pathway
103	c2qnxA_	Alignment	not modelled	99.9	21	PDB header: transferase 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
104	c6a9nA_	Alignment	not modelled	99.9	19	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of kas iii from propionibacterium acnes
105	c4ewpD_	Alignment	not modelled	99.9	20	PDB header: transferase Chain: D: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of fabh from micrococcus luteus
106	c4x0oG_	Alignment	not modelled	99.9	15	PDB header: transferase Chain: G: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3 protein 2; PDBTitle: beta-ketoacyl-(acyl carrier protein) synthase iii-2 (fabh2) from2 vibrio cholerae soaked with acetyl-coa
107	c4dfeB_	Alignment	not modelled	99.9	18	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 burkholderia xenovorans
108	c1zowB_	Alignment	not modelled	99.9	19	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase iii; PDBTitle: crystal structure of s. aureus fabh, beta-ketoacyl carrier protein2 synthase iii
109	c3gwaA_	Alignment	not modelled	99.9	20	PDB header: transferase 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
110	c3il3A_	Alignment	not modelled	99.9	16	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structure of haemophilus influenzae fabh
111	c2p0uB_	Alignment	not modelled	99.9	15	PDB header: transferase Chain: B: PDB Molecule: stilbenecarboxylate synthase 2; PDBTitle: crystal structure of marchantia polymorpha stilbenecarboxylate2 synthase 2 (stcs2)
112	c5bqsA_	Alignment	not modelled	99.9	15	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: s. pneumoniae fabh with small molecule inhibitor 4
113	c3fk5A_	Alignment	not modelled	99.9	14	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-synthase iii; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein)2 synthase iii, fabh (xoo4209) from xanthomonas oryzae pv.3 oryzae kacc10331
114	c4rybA_	Alignment	not modelled	99.8	16	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of beta-ketoacyl-acyl synthase iii (fabh) from2 heisseria meningitidis
115	c2gyoB_	Alignment	not modelled	99.8	15	PDB header: transferase 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
116	c1ee0A_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: 2-pyrone synthase; PDBTitle: 2-pyrone synthase complexed with acetoacetyl-coa
117	c6esql_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: I: PDB Molecule: hydroxymethylglutaryl-coa synthase; PDBTitle: structure of the acetoacetyl-coa thiolase/hmg-coa synthase complex2 from methanothermococcus thermolithotrophicus soaked with acetyl-coa
118	c3ov3A_	Alignment	not modelled	99.8	15	PDB header: transferase Chain: A: PDB Molecule: curcumin synthase; PDBTitle: g211f mutant of curcumin synthase 1 from curcuma longa
119	c3h76A_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: A: PDB Molecule: pqs biosynthetic enzyme; PDBTitle: crystal structure of pqsD, a key enzyme in pseudomonas2 aeruginosa quinolone signal biosynthesis pathway
120	c1xetD_	Alignment	not modelled	99.8	15	PDB header: transferase Chain: D: PDB Molecule: dihydropinosylvin synthase; PDBTitle: crystal structure of stilbene synthase from pinus sylvestris,2 complexed with methylmalonyl coa