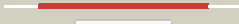



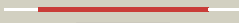






















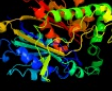





Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1074c_(fadA3)_1198161_1199378
Date	Wed Jul 31 22:05:15 BST 2019
Unique Job ID	ef2f0c01a3e9dac8

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3ss6B_	 Alignment		100.0	40	PDB header: transferase Chain: B; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of the bacillus anthracis acetyl-coa2 acetyltransferase
2	c5bz4K_	 Alignment		100.0	39	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	44	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	35	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	c4wysB_	 Alignment		100.0	43	PDB header: transferase Chain: B; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of thiolase from escherichia coli
6	c4o9cC_	 Alignment		100.0	43	PDB header: transferase Chain: C; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of beta-ketothiolase (phaa) from ralstonia eutropha2 h16
7	c2vu2D_	 Alignment		100.0	39	PDB header: transferase Chain: D; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase from z. ramigera. complex with s-pantetheine-11-2 pivalate.
8	c4nzsA_	 Alignment		100.0	40	PDB header: transferase Chain: A; PDB Molecule: beta-ketothiolase bktb; PDBTitle: crystal structure of beta-ketothiolase bktb b from ralstonia eutropha2 h16
9	c4n45B_	 Alignment		100.0	43	PDB header: transferase Chain: B; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of reduced form of thiolase from clostridium2 acetobutylicum
10	c4dd5A_	 Alignment		100.0	44	PDB header: transferase Chain: A; PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase (thla1) from clostridium difficile
11	c2d3tC_	 Alignment		100.0	42	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	c4c2jA_	Alignment		100.0	35	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
13	c5lp7A_	Alignment		100.0	34	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of 3-ketoacyl-coa thiolase (mmga) from bacillus2 subtilis.
14	c6aqpA_	Alignment		100.0	37	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: aspergillus fumigatus cytosolic thiolase: acetylated enzyme in complex2 with coa and potassium ions
15	c6bn2A_	Alignment		100.0	37	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from elizabethkingia2 anophelis nuhp1
16	c5zrvH_	Alignment		100.0	30	PDB header: liase, oxidoreductase/transferase Chain: H: PDB Molecule: trifunctional enzyme subunit beta, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, octamer
17	c1afwB_	Alignment		100.0	38	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
18	c2wuaA_	Alignment		100.0	39	PDB header: transferase Chain: A: PDB Molecule: acetoacetyl coa thiolase; PDBTitle: structure of the peroxisomal 3-ketoacyl-coa thiolase from sunflower
19	c4ubwB_	Alignment		100.0	39	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
20	c6bjbB_	Alignment		100.0	35	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
21	c2c7yB_	Alignment	not modelled	100.0	41	PDB header: transferase Chain: B: PDB Molecule: 3-ketoacyl-coa thiolase 2; PDBTitle: plant enzyme
22	c6bjaaA_	Alignment	not modelled	100.0	33	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
23	c2ibyD_	Alignment	not modelled	100.0	35	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
24	c1wl5A_	Alignment	not modelled	100.0	38	PDB header: transferase Chain: A: PDB Molecule: acetyl-coenzyme a acetyltransferase 2; PDBTitle: human cytosolic acetoacetyl-coa thiolase
25	c2iikA_	Alignment	not modelled	100.0	42	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, peroxisomal; PDBTitle: crystal structure of human peroxisomal acetyl-coa acyl transferase 12 (acaal1)
26	c3goaA_	Alignment	not modelled	100.0	44	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: crystal structure of the salmonella typhimurium fada 3-ketoacyl-coa2 thiolase
27	c4e1lC_	Alignment	not modelled	100.0	46	PDB header: transferase Chain: C: PDB Molecule: acetoacetyl-coa thiolase 2; PDBTitle: crystal structure of acetoacetyl-coa thiolase (thla2) from clostridium2 difficile
28	c3svkB_	Alignment	not modelled	100.0	38	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from mycobacterium2 avium

29	c3zbgA	Alignment	not modelled	100.0	19	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
30	c6et9D	Alignment	not modelled	100.0	27	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
31	c6hspB	Alignment	not modelled	100.0	22	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
32	c6ok1A	Alignment	not modelled	100.0	20	PDB header: transport protein Chain: A: PDB Molecule: lipid-transfer protein; PDBTitle: ltp2-chsh2(duf35) aldolase
33	c5ab6E	Alignment	not modelled	100.0	18	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.
34	c4u4eA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: thiolase; PDBTitle: crystal structure of putative thiolase from sphaerobacter thermophilus2 dsm 20745
35	c5mg5R	Alignment	not modelled	100.0	19	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)
36	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
37	c4yzoD	Alignment	not modelled	100.0	23	PDB header: transferase Chain: D: PDB Molecule: putative acyl-coa acyltransferase; PDBTitle: crystal structure analysis of thiolase-like protein, st0096 from2 sulfolobus tokodaii
38	d1afwa1	Alignment	not modelled	100.0	33	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
39	d1m3ka1	Alignment	not modelled	100.0	32	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
40	d1ulqa1	Alignment	not modelled	100.0	39	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
41	d1wdkc1	Alignment	not modelled	100.0	35	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
42	d1m3ka2	Alignment	not modelled	100.0	54	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
43	d1ulqa2	Alignment	not modelled	100.0	53	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
44	d1wdkc2	Alignment	not modelled	100.0	56	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
45	d1afwa2	Alignment	not modelled	100.0	48	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
46	c1j3nB	Alignment	not modelled	100.0	24	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
47	c4b3yB	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: cryo-em structure of the mycobacterial fatty acid synthase
48	c1oxhD	Alignment	not modelled	100.0	26	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
49	c5e5nB	Alignment	not modelled	100.0	19	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)
50	c4opeD	Alignment	not modelled	100.0	23	PDB header: ligase, transferase Chain: D: PDB Molecule: nmps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks7
51	c2vz8B	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
52	c2vz8A	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
53	c4kc5D	Alignment	not modelled	100.0	22	PDB header: transferase Chain: D: PDB Molecule: rhie protein; PDBTitle: crystal structure of the c-terminal part of rhie from burkholderia2 rhizoxinica
						PDB header: transferase Chain: A: PDB Molecule: eryaii erythromycin polyketide synthase

54	c2qo3A_	Alignment	not modelled	100.0	20	modules 3 and 4; PDBTitle: crystal structure of [ks3][at3] didomain from module 3 of 6-2 deoxyerthronolide b synthase
55	c2gfvA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of e. coli fabf (kasii) c163q mutant
56	c5elpA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
57	c4wkyB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmn ks2
58	c6fikA_	Alignment	not modelled	100.0	19	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
59	c4b7vA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of wild type pseudomonas aeruginosa fabf (kasii)
60	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
61	c5e5nD_	Alignment	not modelled	100.0	22	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)
62	c4tl2A_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgsf from streptomyces2 platensis
63	c1tqyC_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: C: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 1; PDBTitle: the actinorhodin ketosynthase/chain length factor
64	c1e5mA_	Alignment	not modelled	100.0	17	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.
65	c4tktA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgsf ks6
66	c3e60A_	Alignment	not modelled	100.0	29	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
67	c4oqiA_	Alignment	not modelled	100.0	25	PDB header: hydrolase Chain: A: PDB Molecule: pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmq ks1
68	c4ls5A_	Alignment	not modelled	100.0	20	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
69	c4ewgA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of a beta-ketoacyl synthase from burkholderia2 phymatum stm815
70	c2gqdB_	Alignment	not modelled	100.0	23	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
71	c2buiC_	Alignment	not modelled	100.0	23	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
72	c4qavB_	Alignment	not modelled	100.0	23	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
73	c5bp1A_	Alignment	not modelled	100.0	26	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
74	c2ix4B_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: arabidopsis thaliana mitochondrial beta-ketoacyl acp synthase hexanoic2 acid complex
75	c4z37A_	Alignment	not modelled	100.0	20	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 brevibacillus brevis
76	c4mz0B_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: curlI; PDBTitle: structure of a ketosynthase-acyltransferase di-domain from module curl2 of the curacin a polyketide synthase
77	c4ddoA_	Alignment	not modelled	100.0	25	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

78	c4na3A	Alignment	not modelled	100.0	20	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
79	c4jgaA	Alignment	not modelled	100.0	21	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
80	c2iwyB	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: human mitochondrial beta-ketoacyl acp synthase
81	c6c9uA	Alignment	not modelled	100.0	19	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)
82	c3lrfA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of beta-ketoacyl synthase from brucella2 melitensis
83	c4qyrA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgse ks3
84	c2hg4A	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: 6-deoxyerythronolide b synthase; PDBTitle: structure of the ketosynthase-acyltransferase didomain of module 52 from debs.
85	c3hhdC	Alignment	not modelled	100.0	22	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.
86	c2ebdB	Alignment	not modelled	100.0	26	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
87	c3hmjB	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: saccharomyces cerevisiae fas type i
88	c4cw4A	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of the noncanonical ketosynthase faby2 from p. aeruginosa
89	c3o04A	Alignment	not modelled	100.0	23	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
90	c2gp6B	Alignment	not modelled	100.0	25	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)
91	c1tqyD	Alignment	not modelled	100.0	19	PDB header: transferase Chain: D: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 2; PDBTitle: the actinorhodin ketosynthase/chain length factor
92	c4opfA	Alignment	not modelled	100.0	19	PDB header: ligase, transferase Chain: A: PDB Molecule: nrps/pks; PDBTitle: streptomyces albus ja3453 oxazolomycin ketosynthase domain ozmh ks8
93	c4ewpD	Alignment	not modelled	100.0	23	PDB header: transferase Chain: D: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of fabh from micrococcus luteus
94	c2wggA	Alignment	not modelled	100.0	25	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
95	c1mzjB	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacylsynthase iii; PDBTitle: crystal structure of the priming beta-ketosynthase from the2 r1128 polyketide biosynthetic pathway
96	c6a9nA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of kas iii from propionibacterium acnes
97	c4x0oG	Alignment	not modelled	100.0	26	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
98	c2qnxA	Alignment	not modelled	100.0	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
99	c2uv8C	Alignment	not modelled	100.0	20	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
100	c2vkzC	Alignment	not modelled	100.0	20	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
						PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-(acyl-carrier-protein) synthase

101	c3gwaA_	Alignment	not modelled	100.0	21	iii; PDBTitle: 1.6 angstrom crystal structure of 3-oxoacyl-(acyl-carrier-protein)2 synthase iii 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
102	c1zowB_	Alignment	not modelled	99.9	27	PDB header: transferase Chain: A: PDB Molecule: ketosynthase stld; PDBTitle: the structure of the h302a mutant of stld
103	c5gk2A_	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-acyl carrier protein synthase iii; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein) synthase iii2 from rhodopseudomonas palustris cga009
104	c3ledA_	Alignment	not modelled	99.9	17	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
105	c2uv9B_	Alignment	not modelled	99.9	21	PDB header: transferase Chain: A: PDB Molecule: 2-pyrone synthase; PDBTitle: 2-pyrone synthase complexed with acetoacetyl-coa
106	c1ee0A_	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structure of haemophilus influenzae fabh
107	c3il3A_	Alignment	not modelled	99.9	21	PDB header: transferase Chain: B: PDB Molecule: stilbenecarboxylate synthase 2; PDBTitle: crystal structure of marchantia polymorpha stilbenecarboxylate2 synthase 2 (stcs2)
108	c2p0uB_	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
109	c4dfeB_	Alignment	not modelled	99.9	24	PDB header: transferase Chain: G: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
110	c2pffG_	Alignment	not modelled	99.9	21	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
111	c2pffA_	Alignment	not modelled	99.9	21	PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
112	c2pffD_	Alignment	not modelled	99.9	21	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
113	c2gyoB_	Alignment	not modelled	99.9	20	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	c3fk5A_	Alignment	not modelled	99.9	17	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
115	c5bqsA_	Alignment	not modelled	99.9	23	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
116	c3h76A_	Alignment	not modelled	99.9	25	PDB header: transferase Chain: A: PDB Molecule: curcumin synthase; PDBTitle: g211f mutant of curcumin synthase 1 from curcuma longa
117	c3ov3A_	Alignment	not modelled	99.9	20	PDB header: transferase Chain: C: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structural and functional characterization of pqsb, a condensing2 enzyme in the biosynthesis of the pseudomonas aeruginosa quinolone3 signal
118	c5dwzC_	Alignment	not modelled	99.9	23	PDB header: transferase Chain: D: PDB Molecule: dihydropinosylvin synthase; PDBTitle: crystal structure of stilbene synthase from pinus sylvestris,2 complexed with methylmalonyl coa
119	c1xetD_	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: stilbenecarboxylate synthase 1; PDBTitle: crystal structure of marchantia paleacea chalone synthase like 12 (chsl1)
120	c5yptA_	Alignment	not modelled	99.9	18	