



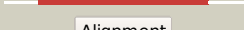

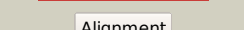

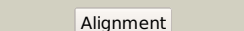





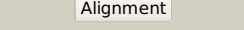

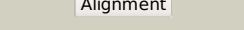

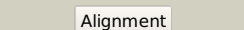














Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2245_(kasA)_2518123_2519373
Date	Mon Aug 5 13:25:38 BST 2019
Unique Job ID	d3209ee592a60d86

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2wggA_	 Alignment		100.0	100	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
2	c2vz8B_	 Alignment		100.0	25	PDB header: transferase Chain: B; PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
3	c2gp6B_	 Alignment		100.0	65	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)
4	c2vz8A_	 Alignment		100.0	24	PDB header: transferase Chain: A; PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
5	c1e5mA_	 Alignment		100.0	40	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.
6	c2gqdB_	 Alignment		100.0	38	PDB header: transferase Chain: B; PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: the crystal structure of b-ketoacyl-acyl synthase ii (fabf) from2 staphylococcus aureus
7	c1oxhD_	 Alignment		100.0	36	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
8	c4b7vA_	 Alignment		100.0	38	PDB header: transferase Chain: A; PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of wild type pseudomonas aeruginosa fabf (kasii)
9	c4kc5D_	 Alignment		100.0	16	PDB header: transferase Chain: D; PDB Molecule: rhie protein; PDBTitle: crystal structure of the c-terminal part of rhie from burkholderia2 rhizoxinica
10	c4ls5A_	 Alignment		100.0	39	PDB header: transferase Chain: A; PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: crystal structure of beta-ketoacyl-acyl synthase ii (fabf) from2 bacillus subtilis
11	c2qo3A_	 Alignment		100.0	27	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

12	c4tl2A_	Alignment		100.0	24	PDB header: transferase Chain: A; PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgsf from streptomyces2 platensis
13	c4tktA_	Alignment		100.0	22	PDB header: transferase Chain: A; PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgsf ks6
14	c1tqyC_	Alignment		100.0	31	PDB header: transferase Chain: C; PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 1; PDBTitle: the actinorhodin ketosynthase/chain length factor
15	c4opeD_	Alignment		100.0	22	PDB header: ligase, transferase Chain: D; PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks7
16	c6fikA_	Alignment		100.0	20	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
17	c4na3A_	Alignment		100.0	22	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
18	c4z37A_	Alignment		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 c0zgq5 (trans-at pks)2 from brevicibacillus brevis
19	c4qyrA_	Alignment		100.0	23	PDB header: transferase Chain: A; PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgse ks3
20	c5erbB_	Alignment		100.0	23	PDB header: transferase Chain: B; PDB Molecule: polyketide synthase; PDBTitle: ketosynthase from module 5 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
21	c4jgaA_	Alignment	not modelled	100.0	35	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
22	c4qavB_	Alignment	not modelled	100.0	38	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
23	c3o04A_	Alignment	not modelled	100.0	38	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
24	c2iwvB_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: B; PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: human mitochondrial beta-ketoacyl acp synthase
25	c5e5nB_	Alignment	not modelled	100.0	20	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)
26	c4oqjA_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: A; PDB Molecule: pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmq ks1
27	c4mz0B_	Alignment	not modelled	100.0	24	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
28	c2hg4A_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A; PDB Molecule: 6-deoxyerythronolide b synthase; PDBTitle: structure of the ketosynthase-acyltransferase didomain of

						module 52 from debs.
29	c6c9uA	Alignment	not modelled	100.0	27	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)
30	c2gfvA	Alignment	not modelled	100.0	40	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 2; PDBTitle: structure of e. coli fabf (kasi) c163q mutant
31	c5elpA	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
32	c4wkyB	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmn ks2
33	c4ewgA	Alignment	not modelled	100.0	32	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of a beta-ketoacyl synthase from burkholderia2 phymatum stm815
34	c1j3nB	Alignment	not modelled	100.0	43	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
35	c4ddoA	Alignment	not modelled	100.0	38	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 burkholderia vietnamiensis
36	c3e60A	Alignment	not modelled	100.0	37	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
37	c2ix4B	Alignment	not modelled	100.0	39	PDB header: transferase Chain: B: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: arabidopsis thaliana mitochondrial beta-ketoacyl acp synthase hexanoic2 acid complex
38	c3hhdC	Alignment	not modelled	100.0	23	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.
39	c1tqyD	Alignment	not modelled	100.0	27	PDB header: transferase Chain: D: PDB Molecule: actinorhodin polyketide putative beta-ketoacyl synthase 2; PDBTitle: the actinorhodin ketosynthase/chain length factor
40	c2buiC	Alignment	not modelled	100.0	30	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
41	c3lrfA	Alignment	not modelled	100.0	33	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of beta-ketoacyl synthase from brucella2 melitensis
42	c2uv9B	Alignment	not modelled	100.0	23	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
43	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)
44	c2vkzC	Alignment	not modelled	100.0	22	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
45	c4b3yB	Alignment	not modelled	100.0	20	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: cryo-em structure of the mycobacterial fatty acid synthase
46	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
47	c2uv8C	Alignment	not modelled	100.0	21	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
48	c2pffD	Alignment	not modelled	100.0	21	PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
49	c2pffA	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
50	c2pffG	Alignment	not modelled	100.0	21	PDB header: transferase Chain: G: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
51	c5bp1A	Alignment	not modelled	100.0	28	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
52	c6qspA	Alignment	not modelled	100.0	28	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

53	c4cw4A	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: beta-ketoacyl synthase; PDBTitle: crystal structure of the noncanonical ketosynthase faby2 from p. aeruginosa
54	c4opfA	Alignment	not modelled	100.0	25	PDB header: ligase, transferase Chain: A: PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks8
55	d1tqya2	Alignment	not modelled	100.0	40	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
56	d1tqyb2	Alignment	not modelled	100.0	35	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
57	d1e5ma1	Alignment	not modelled	100.0	36	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
58	d1j3na1	Alignment	not modelled	100.0	38	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
59	d2ix4a1	Alignment	not modelled	100.0	35	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
60	d1ox0a1	Alignment	not modelled	100.0	33	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
61	d2gfva1	Alignment	not modelled	100.0	37	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
62	d2vbaa1	Alignment	not modelled	100.0	26	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
63	d1ox0a2	Alignment	not modelled	100.0	39	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
64	d1e5ma2	Alignment	not modelled	100.0	45	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
65	d2gfva2	Alignment	not modelled	100.0	46	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
66	d1j3na2	Alignment	not modelled	100.0	49	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
67	d2ix4a2	Alignment	not modelled	100.0	45	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
68	d2vbaa2	Alignment	not modelled	100.0	38	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
69	d1tqyb1	Alignment	not modelled	100.0	19	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
70	d1tqya1	Alignment	not modelled	100.0	24	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
71	c6et9D	Alignment	not modelled	100.0	21	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
72	c6hspB	Alignment	not modelled	100.0	19	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
73	c4e1lC	Alignment	not modelled	100.0	25	PDB header: transferase Chain: C: PDB Molecule: acetoacetyl-coa thiolase 2; PDBTitle: crystal structure of acetoacetyl-coa thiolase (thla2) from clostridium2 difficile
74	c4egvC	Alignment	not modelled	100.0	15	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
75	c4n45B	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of reduced form of thiolase from clostridium2 acetobutylicum
76	c4u4eA	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: thiolase; PDBTitle: crystal structure of putative thiolase from sphaerobacter thermophilus2 dsm 20745
77	c4dd5A	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase (thla1) from clostridium difficile
78	c3ledA	Alignment	not modelled	100.0	13	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 rhodospseudomonas palustris cga009
79	c6bjbB	Alignment	not modelled	100.0	26	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
80	c5bz4K_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: K: PDB Molecule: beta-ketothiolase; PDBTitle: crystal structure of a t1-like thiolase (coa-complex) from2 mycobacterium smegmatis
81	c4o9cC_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of beta-ketothiolase (phaa) from ralstonia eutropha2 h16
82	c2ibyD_	Alignment	not modelled	100.0	22	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
83	c5ab6E_	Alignment	not modelled	100.0	15	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.
84	c4wysB_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of thiolase from escherichia coli
85	c6bn2A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from elizabethkingia2 anophelis nuhp1
86	c5mg5R_	Alignment	not modelled	100.0	18	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)
87	c2wuaA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: acetoacetyl coa thiolase; PDBTitle: structure of the peroxisomal 3-ketoacyl-coa thiolase from sunflower
88	c3zbgA_	Alignment	not modelled	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
89	c6ok1A_	Alignment	not modelled	100.0	17	PDB header: transport protein Chain: A: PDB Molecule: lipid-transfer protein; PDBTitle: ltp2-chsh2(duf35) aldolase
90	c5zrvH_	Alignment	not modelled	100.0	25	PDB header: liase, oxidoreductase/transferase Chain: H: PDB Molecule: trifunctional enzyme subunit beta, mitochondrial; PDBTitle: structure of human mitochondrial trifunctional protein, octamer
91	c4nzsA_	Alignment	not modelled	100.0	30	PDB header: transferase Chain: A: PDB Molecule: beta-ketothiolase bktb; PDBTitle: crystal structure of beta-ketothiolase bktb b from ralstonia eutropha2 h16
92	c4c2jA_	Alignment	not modelled	100.0	25	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
93	c2c7yB_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: 3-ketoacyl-coa thiolase 2; PDBTitle: plant enzyme
94	c5lp7A_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of 3-ketoacyl-coa thiolase (mmga) from bacillus2 subtilis.
95	c2d3mA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: pentaketide chromone synthase; PDBTitle: pentaketide chromone synthase complexed with coenzyme a
96	c1afwB_	Alignment	not modelled	100.0	23	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
97	c6bjA_	Alignment	not modelled	100.0	23	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
98	c3ss6B_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of the bacillus anthracis acetyl-coa2 acetyltransferase
99	c6aaqA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: aspergillus fumigatus cytosolic thiolase: acetylated enzyme in complex2 with coa and potassium ions
100	c4yzoD_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: D: PDB Molecule: putative acyl-coa acyltransferase; PDBTitle: crystal structure analysis of thiolase-like protein, st0096 from2 sulfolobus tokodaii
101	c2vu2D_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase from z. ramigera. complex with s-pantetheine-11-2 pivalate.
102	c1wl5A_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: acetyl-coenzyme a acetyltransferase 2; PDBTitle: human cytosolic acetoacetyl-coa thiolase
103	c2iikA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, peroxisomal; PDBTitle: crystal structure of human peroxisomal acetyl-coa acyl transferase 12 (acaal1)
104	c5yo9A_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-(acp)] synthase iii c terminal

					PDBTitle: crystal structure of kas iii from acinetobacter baumannii
105	c4ubwB_	Alignment	not modelled	100.0	23 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
106	c3ov3A_	Alignment	not modelled	100.0	14 PDB header: transferase Chain: A: PDB Molecule: curcumin synthase; PDBTitle: g211f mutant of curcumin synthase 1 from curcuma longa
107	c1ulqD_	Alignment	not modelled	100.0	30 PDB header: transferase Chain: D: PDB Molecule: putative acetyl-coa acetyltransferase; PDBTitle: crystal structure of tt0182 from thermus thermophilus hb8
108	c3goaA_	Alignment	not modelled	100.0	23 PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase; PDBTitle: crystal structure of the salmonella typhimurium fada 3-ketoacyl-coa2 thiolase
109	c2d3tC_	Alignment	not modelled	100.0	23 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
110	c2p0uB_	Alignment	not modelled	100.0	14 PDB header: transferase Chain: B: PDB Molecule: stilbenecarboxylate synthase 2; PDBTitle: crystal structure of marchantia polymorpha stilbenecarboxylate2 synthase 2 (stcs2)
111	c5ucoB_	Alignment	not modelled	99.9	14 PDB header: transferase Chain: B: PDB Molecule: 2,4,6-trihydroxybenzophenone synthase; PDBTitle: benzophenone synthase from hypericum androsaemum
112	d1teda_	Alignment	not modelled	99.9	13 Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
113	c5xyjA_	Alignment	not modelled	99.9	27 PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: purification,crystallization and structural analysis of cytoplasmic2 acetoacetyl-coa thiolase from saccharomyces cerevisiae
114	c3wd8D_	Alignment	not modelled	99.9	13 PDB header: transferase Chain: D: PDB Molecule: type iii polyketide synthase quinolone synthase; PDBTitle: typeiii polyketide synthases
115	c1xetD_	Alignment	not modelled	99.9	11 PDB header: transferase Chain: D: PDB Molecule: dihydropinosylvin synthase; PDBTitle: crystal structure of stilbene synthase from pinus sylvestris,2 complexed with methylmalonyl coa
116	c1zowB_	Alignment	not modelled	99.9	17 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
117	c3fk5A_	Alignment	not modelled	99.9	15 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
118	c6qspB_	Alignment	not modelled	99.9	15 PDB header: biosynthetic protein Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: ketosynthase (apeo) in complex with its chain length factor (apec)2 from xenorhabdus doucetiae
119	c3a5qA_	Alignment	not modelled	99.9	12 PDB header: transferase Chain: A: PDB Molecule: benzalacetone synthase; PDBTitle: benzalacetone synthase from rheum palmatum
120	c3svkB_	Alignment	not modelled	99.9	25 PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from mycobacterium2 avium