





























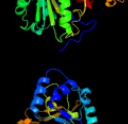


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1372_(-)_1544831_1546012
Date	Wed Jul 31 22:05:47 BST 2019
Unique Job ID	61747407a6fec569

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1teda_	 Alignment		100.0	99	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
2	c3tsyA_	 Alignment		100.0	27	PDB header: ligase, transferase Chain: A: PDB Molecule: fusion protein 4-coumarate--coa ligase 1, resveratrol PDBTitle: 4-coumaroyl-coa ligase::stilbene synthase fusion protein
3	c1cmlA_	 Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: protein (chalcone synthase); PDBTitle: chalcone synthase from alfalfa complexed with malonyl-coa
4	c2d3mA_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: pentaketide chromone synthase; PDBTitle: pentaketide chromone synthase complexed with coenzyme a
5	c2p0uB_	 Alignment		100.0	25	PDB header: transferase Chain: B: PDB Molecule: stilbenecarboxylate synthase 2; PDBTitle: crystal structure of marchantia polymorpha stilbenecarboxylate2 synthase 2 (stcs2)
6	c3v7iA_	 Alignment		100.0	21	PDB header: transferase, lyase Chain: A: PDB Molecule: putative polyketide synthase; PDBTitle: germicidin synthase (gcs) from streptomyces coelicolor, a type iii2 polyketide synthase
7	c5wc4A_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: bis3 biphenyl synthase; PDBTitle: crystal structure of biphenyl synthase from malus domestic complexed2 with benzoyl-coa
8	c3aleB_	 Alignment		100.0	28	PDB header: transferase Chain: B: PDB Molecule: os07g0271500 protein; PDBTitle: a type iii polyketide synthase that produces diarylheptanoid
9	c2h84A_	 Alignment		100.0	31	PDB header: biosynthetic protein, transferase Chain: A: PDB Molecule: steely1; PDBTitle: crystal structure of the c-terminal type iii polyketide synthase (pks2 iii) domain of 'steely1' (a type i/iii pks hybrid from dictyostelium)
10	c4b0nB_	 Alignment		100.0	39	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase iii; PDBTitle: crystal structure of pks-i from the brown algae ectocarpus siliculosus
11	c3ov3A_	 Alignment		100.0	22	PDB header: transferase Chain: A: PDB Molecule: curcumin synthase; PDBTitle: g211f mutant of curcumin synthase 1 from curcuma longa

12	c1xetD	Alignment		100.0	24	PDB header: transferase Chain: D: PDB Molecule: dihydropinosylvin synthase; PDBTitle: crystal structure of stilbene synthase from pinus sylvestris,2 complexed with methylmalonyl coa
13	c5yptA	Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: stilbenecarboxylate synthase 1; PDBTitle: crystal structure of marchantia paleacea chalone synthase like 12 (chsl1)
14	c3a5qA	Alignment		100.0	22	PDB header: transferase Chain: A: PDB Molecule: benzalacetone synthase; PDBTitle: benzalacetone synthase from rheum palmatum
15	c1ee0A	Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: 2-pyrone synthase; PDBTitle: 2-pyrone synthase complexed with acetoacetyl-coa
16	c5ucoB	Alignment		100.0	25	PDB header: transferase Chain: B: PDB Molecule: 2,4,6-trihydroxybenzophenone synthase; PDBTitle: benzophenone synthase from hypericum androsaemum
17	c3wd8D	Alignment		100.0	25	PDB header: transferase Chain: D: PDB Molecule: type iii polyketide synthase quinolone synthase; PDBTitle: typeiii polyketide synthases
18	c4jatB	Alignment		100.0	29	PDB header: transferase Chain: B: PDB Molecule: alpha-pyrone synthesis polyketide synthase-like pks11; PDBTitle: crystal structure of mycobacterium tuberculosis pks11 reveals2 intermediates in the synthesis of methyl-branched alkylpyrones
19	c3oitB	Alignment		100.0	27	PDB header: transferase Chain: B: PDB Molecule: os07g0271500 protein; PDBTitle: crystal structure of curcuminoid synthase cus from oryza sativa
20	c5wx3C	Alignment		100.0	27	PDB header: transferase Chain: C: PDB Molecule: alkyldiketide-coa synthase; PDBTitle: alkyldiketide-coa synthase from evodia rutaecarpa
21	c3e1hA	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of a type iii polyketide synthase pksiinc from2 neurospora crassa
22	c1u0mA	Alignment	not modelled	100.0	25	PDB header: biosynthetic protein Chain: A: PDB Molecule: putative polyketide synthase; PDBTitle: crystal structure of 1,3,6,8-tetrahydroxynaphthalene synthase (thns)2 from streptomyces coelicolor a3(2): a bacterial type iii polyketide3 synthase (pks) provides insights into enzymatic control of reactive4 polyketide intermediates
23	c3euoB	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: type iii pentaketide synthase; PDBTitle: crystal structure of a fungal type iii polyketide synthase,2 oras
24	c3wy0A	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein csyb; PDBTitle: the i375w mutant of csyb complexed with coa-sh
25	c6dxfB	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: chalcone synthase; PDBTitle: crystal structure of chalcone synthase from selaginella moellendorffii2 - hydrogen peroxide treated
26	c3vs9F	Alignment	not modelled	100.0	22	PDB header: transferase Chain: F: PDB Molecule: type iii polyketide synthase; PDBTitle: crystal structure of type iii pks arsc mutant
27	c5yo9A	Alignment	not modelled	100.0	20	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
28	c4x0oG	Alignment	not modelled	100.0	22	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
29	c6a9nA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of kas iii from propionibacterium acnes
30	c3fk5A_	Alignment	not modelled	100.0	19	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
31	c3ledA_	Alignment	not modelled	100.0	17	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
32	c4efiA_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-(acyl-carrier protein) synthase; PDBTitle: crystal structure of 3-oxoacyl-(acyl-carrier protein) synthase from2 burkholderia xenovorans lb400
33	c1mzjB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacylsynthase iii; PDBTitle: crystal structure of the priming beta-ketosynthase from the2 r1128 polyketide biosynthetic pathway
34	c5gk2A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: ketosynthase stld; PDBTitle: the structure of the h302a mutant of stld
35	c3il5D_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: D: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structure of e. faecalis fabh in complex with 2-({4-bromo-3-2 [(diethylamino)sulfonyl]benzoyl)amino)benzoic acid
36	c4ewpD_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: D: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of fabh from micrococcus luteus
37	c5dwzC_	Alignment	not modelled	100.0	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
38	c3gwaA_	Alignment	not modelled	100.0	21	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
39	c5mg5P_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: P: PDB Molecule: hydroxymethylglutaryl-coa synthase; PDBTitle: a multi-component acyltransferase phlabc from pseudomonas protegens2 soaked with the monoacetylphloroglucinol (mapg)
40	c2f9aA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: 3-hydroxy-3-methylglutaryl coenzyme a synthase 1; PDBTitle: hmg-coa synthase from brassica juncea in complex with f-244
41	c3s3lB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: cerj; PDBTitle: crystal structure of cerj from streptomyces tendae
42	c4v2pB_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: ketosynthase; PDBTitle: ketosynthase mxnb
43	c4dfeB_	Alignment	not modelled	100.0	24	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
44	c3h76A_	Alignment	not modelled	100.0	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
45	c2qnxA_	Alignment	not modelled	100.0	24	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 [(decyloxycarbonyl)dithio]-undecanoic acid
46	c5bqsA_	Alignment	not modelled	100.0	22	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
47	c3il3A_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: structure of haemophilus influenzae fabh
48	c4rybA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of beta-ketoacyl-acyl carrier protein synthase iii (fabh) from2 neisseria meningitidis
49	c2ebdB_	Alignment	not modelled	100.0	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
50	c2x3eA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase 3; PDBTitle: crystal structure of 3-oxoacyl-(acyl carrier protein) synthase iii,2 fabh from pseudomonas aeruginosa pao1
						PDB header: transferase

51	c2v4wB	Alignment	not modelled	100.0	19	Chain: B: PDB Molecule: hydroxymethylglutaryl-coa synthase, PDBTitle: crystal structure of human mitochondrial 3-hydroxy-3-2 methylglutaryl-coenzyme a synthase 2 (hmgcs2)
52	c1ub7A	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier protein] synthase; PDBTitle: the crystal analysis of beta-keroacyl-[acyl carrier protein] synthase2 iii (fabh)from thermus thermophilus.
53	c2p8uB	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: hydroxymethylglutaryl-coa synthase, cytoplasmic; PDBTitle: crystal structure of human 3-hydroxy-3-methylglutaryl coa synthase i
54	c1x9eB	Alignment	not modelled	100.0	17	PDB header: lyase Chain: B: PDB Molecule: hmg-coa synthase; PDBTitle: crystal structure of hmg-coa synthase from enterococcus2 faecalis
55	c2gyoB	Alignment	not modelled	100.0	24	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
56	c4xsbB	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: daunorubicin-doxorubicin polyketide synthase; PDBTitle: determining the molecular basis for starter unit selection during2 daunorubicin biosynthesis
57	c1zowB	Alignment	not modelled	100.0	23	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
58	c1txtB	Alignment	not modelled	100.0	18	PDB header: lyase Chain: B: PDB Molecule: 3-hydroxy-3-methylglutaryl-coa synthase; PDBTitle: staphylococcus aureus 3-hydroxy-3-methylglutaryl-coa2 synthase
59	c5kp8A	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: curd; PDBTitle: crystal structure of the curacin biosynthetic pathway hmg synthase in2 complex with acetyl donor-acp
60	c3lehA	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: putative hydroxymethylglutaryl-coa synthase; PDBTitle: the crystal structure of smu.943c from streptococcus mutans ua159
61	c5hwrA	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: hydroxymethylglutaryl-coa synthase; PDBTitle: mvas in complex with coenzyme a
62	c6esqI	Alignment	not modelled	100.0	16	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
63	d1bi5a1	Alignment	not modelled	100.0	27	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
64	d1u0ua1	Alignment	not modelled	100.0	25	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
65	d1ee0a1	Alignment	not modelled	100.0	27	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
66	d1u0va1	Alignment	not modelled	100.0	29	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
67	d1u0ma1	Alignment	not modelled	100.0	24	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
68	c5dwzA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-(acyl carrier protein) synthase iii; PDBTitle: structural and functional characterization of pqsbc, a condensing2 enzyme in the biosynthesis of the pseudomonas aeruginosa quinolone3 signal
69	d1ee0a2	Alignment	not modelled	100.0	26	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
70	d1u0ua2	Alignment	not modelled	100.0	22	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
71	d1mzja1	Alignment	not modelled	100.0	33	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
72	d1bi5a2	Alignment	not modelled	100.0	25	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
73	d1ub7a1	Alignment	not modelled	100.0	26	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
74	d1hnja1	Alignment	not modelled	100.0	26	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
75	d1u6ea1	Alignment	not modelled	100.0	30	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like

76	d1xpm1	Alignment	not modelled	100.0	20	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
77	d1u0ma2	Alignment	not modelled	100.0	26	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
78	c2vz8B	Alignment	not modelled	100.0	12	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
79	c2vz8A	Alignment	not modelled	100.0	12	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
80	c6fikA	Alignment	not modelled	100.0	14	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
81	c4e1C	Alignment	not modelled	100.0	21	PDB header: transferase Chain: C: PDB Molecule: acetoacetyl-coa thiolase 2; PDBTitle: crystal structure of acetoacetyl-coa thiolase (thla2) from clostridium2 difficile
82	c5e5nB	Alignment	not modelled	100.0	13	PDB header: hydrolase Chain: B: PDB Molecule: polyketide synthase pks1; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
83	c6ok1A	Alignment	not modelled	100.0	17	PDB header: transport protein Chain: A: PDB Molecule: lipid-transfer protein; PDBTitle: ltp2-chsh2(duf35) aldolase
84	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
85	c4oqjA	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: A: PDB Molecule: pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmq ks1
86	c4dd5A	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase (thla1) from clostridium difficile
87	c2vu2D	Alignment	not modelled	100.0	16	PDB header: transferase Chain: D: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: biosynthetic thiolase from z. ramigera. complex with s-pantetheine-11-2 pivalate.
88	c4mz0B	Alignment	not modelled	100.0	17	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
89	c2qo3A	Alignment	not modelled	100.0	16	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
90	c2iikA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, peroxisomal; PDBTitle: crystal structure of human peroxisomal acetyl-coa acyl transferase 12 (acaa1)
91	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
92	c6aqpA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: aspergillus fumigatus cytosolic thiolase: acetylated enzyme in complex2 with coa and potassium ions
93	c4wkyB	Alignment	not modelled	100.0	13	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks2
94	c4n45B	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of reduced form of thiolase from clostridium2 acetobutylicum
95	c5e5nD	Alignment	not modelled	99.9	15	PDB header: hydrolase Chain: D: PDB Molecule: polyketide synthase pks1; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
96	c4tl2A	Alignment	not modelled	99.9	14	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgsf from streptomcyes2 platensis
97	c4kc5D	Alignment	not modelled	99.9	13	PDB header: transferase Chain: D: PDB Molecule: rhie protein; PDBTitle: crystal structure of the c-terminal part of rhie from burkholderia2 rhizoxinica
98	c6c9uA	Alignment	not modelled	99.9	16	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)
99	c5erbB	Alignment	not modelled	99.9	13	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase; PDBTitle: ketosynthase from module 5 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
100	c4na3A	Alignment	not modelled	99.9	13	PDB header: transferase Chain: A: PDB Molecule: polyketide synthase pks1; PDBTitle: crystal structure of the second ketosynthase from the bacillaene2 polyketide synthase bound to a hexanoyl substrate mimic
						PDB header: transferase

101	c4c2jA	Alignment	not modelled	99.9	20	Chain: A: PDB Molecule: 3-ketoacyl-coa thiolase, mitochondrial; PDBTitle: crystal structure of human mitochondrial 3-ketoacyl-coa2 thiolase in complex with coa
102	c4wysB	Alignment	not modelled	99.9	22	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of thiolase from escherichia coli
103	c2hg4A	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: 6-deoxyerythronolide b synthase; PDBTitle: structure of the ketosynthase-acyltransferase didomain of module 52 from debs.
104	c4qyrA	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgse ks3
105	c4tktA	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgsf ks6
106	c3ss6B	Alignment	not modelled	99.9	18	PDB header: transferase Chain: B: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of the bacillus anthracis acetyl-coa2 acetyltransferase
107	d1u6ea2	Alignment	not modelled	99.9	14	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
108	c5bp1A	Alignment	not modelled	99.9	14	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
109	c5elpA	Alignment	not modelled	99.9	15	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
110	c4z37A	Alignment	not modelled	99.9	14	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
111	c4o9cC	Alignment	not modelled	99.9	17	PDB header: transferase Chain: C: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of beta-ketothiolase (phaa) from ralstonia eutropha2 h16
112	c4opfA	Alignment	not modelled	99.9	17	PDB header: ligase, transferase Chain: A: PDB Molecule: nrps/pks; PDBTitle: streptomyces albus ja3453 oxazolomycin ketosynthase domain ozmh ks8
113	c3hhdC	Alignment	not modelled	99.9	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.
114	d1ub7a2	Alignment	not modelled	99.9	21	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
115	d1hnja2	Alignment	not modelled	99.9	23	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like
116	c6bn2A	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of acetyl-coa acetyltransferase from elizabethkingia2 anophelis nuhp1
117	c2c7yB	Alignment	not modelled	99.9	19	PDB header: transferase Chain: B: PDB Molecule: 3-ketoacyl-coa thiolase 2; PDBTitle: plant enzyme
118	c5lp7A	Alignment	not modelled	99.9	20	PDB header: transferase Chain: A: PDB Molecule: acetyl-coa acetyltransferase; PDBTitle: crystal structure of 3-ketoacyl-coa thiolase (mmga) from bacillus2 subtilis.
119	c6bjbB	Alignment	not modelled	99.9	20	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
120	d1mzja2	Alignment	not modelled	99.9	18	Fold: Thiolase-like Superfamily: Thiolase-like Family: Chalcone synthase-like