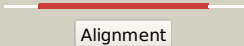

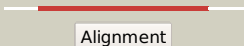

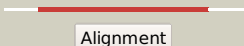







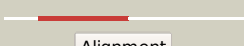











Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2381c_(mbtD)_2667265_2670279
Date	Mon Aug 5 13:25:53 BST 2019
Unique Job ID	26efa5704a605fcd

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2vz8B_	 Alignment		100.0	24	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
2	c2vz8A_	 Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
3	c4b3yB_	 Alignment		100.0	16	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: cryo-em structure of the mycobacterial fatty acid synthase
4	c6fikA_	 Alignment		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
5	c6iyrA_	 Alignment		100.0	30	PDB header: transferase Chain: A: PDB Molecule: type i modular polyketide synthase; PDBTitle: crystal structure of the acyltransferase domain from module 8 of the2 salinomycin polyketide synthase
6	c3tzzA_	 Alignment		100.0	23	PDB header: transferase Chain: A: PDB Molecule: polyketide synthase pks13; PDBTitle: crystal structure of a fragment containing the acyltransferase domain2 of pks13 from mycobacterium tuberculosis in the carboxypalmitoylated3 form at 2.5 a
7	c6iytA_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: type i modular polyketide synthase; PDBTitle: crystal structure of the acyltransferase domain from second module 142 of salinomycin polyketide synthase
8	c6iyoA_	 Alignment		100.0	28	PDB header: transferase Chain: A: PDB Molecule: type i modular polyketide synthase; PDBTitle: crystal structure of the acyltransferase domain from the second module2 of the salinomycin polyketide synthase
9	c5ydmA_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: pks; PDBTitle: the crystal structure of the acyl transferase domain of spnd complex2 with benzylmalonyl
10	c2qo3A_	 Alignment		100.0	30	PDB header: transferase Chain: A: PDB Molecule: eryaai erythromycin polyketide synthase modules 3 and 4; PDBTitle: crystal structure of [ks3][at3] didomain from module 3 of 6-2 deoxyerthronolide b synthase
11	c4qbuA_	 Alignment		100.0	21	PDB header: transferase Chain: A: PDB Molecule: zmaa; PDBTitle: structure of the acyl transferase domain of zmaa

12	c6c9uA_	Alignment		100.0	31	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)
13	c5bp1A_	Alignment		100.0	29	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
14	c2hg4A_	Alignment		100.0	33	PDB header: transferase Chain: A: PDB Molecule: 6-deoxyerythronolide b synthase; PDBTitle: structure of the ketosynthase-acyltransferase didomain of module 52 from debs.
15	c2jfkD_	Alignment		100.0	19	PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase; PDBTitle: structure of the mat domain of human fas with malonyl-coa
16	c3hhdC_	Alignment		100.0	19	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.
17	c4amma_	Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: dyne8; PDBTitle: crystal structure of the acyltransferase domain of the2 iterative polyketide synthase in enediyne biosynthesis3 reveals the molecular basis of substrate specificity
18	c4mz0B_	Alignment		100.0	28	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
19	c4impB_	Alignment		100.0	31	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase extender modules 3-4; PDBTitle: the missing linker: a dimerization motif located within polyketide2 synthase modules
20	c4r11A_	Alignment		100.0	29	PDB header: transferase Chain: A: PDB Molecule: type i polyketide synthase aves 1; PDBTitle: structural and functional analysis of a loading acyltransferase from2 the avermectin modular polyketide synthase
21	c3mjsA_	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: amphb; PDBTitle: structure of a-type ketoreductases from modular polyketide synthase
22	c3qp9C_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: type i polyketide synthase pikaii; PDBTitle: the structure of a c2-type ketoreductase from a modular polyketide2 synthase
23	c3rgiA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: disd protein; PDBTitle: trans-acting transferase from disorazole synthase
24	c3eenA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acp transacylase; PDBTitle: crystal structure of malonyl-coa:acyl carrier protein transacylase2 (fabd), xoo0880, from xanthomonas oryzae pv. oryzae kacc10331
25	c3ptwA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of malonyl coa-acyl carrier protein transacylase2 from clostridium perfringens atcc 13124
26	c3im8A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: malonyl acyl carrier protein transacylase; PDBTitle: crystal structure of mcat from streptococcus pneumoniae
27	c3tqeA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: malonyl-coa-[acyl-carrier-protein] transacylase; PDBTitle: structure of the malonyl coa-acyl carrier protein transacylase (fabd)2 from coxiella burnetii
						PDB header: transferase Chain: A: PDB Molecule: malonyl coa-[acyl carrier protein]

28	c2cuyA	Alignment	not modelled	100.0	23	transacylase; PDBTitle: crystal structure of malonyl coa-acyl carrier protein transacylase2 from thermus thermophilus hb8
29	c2fr1A	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: erythromycin synthase, eryai; PDBTitle: the first ketoreductase of the erythromycin synthase2 (crystal form 2)
30	c3im9A	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of mcat from staphylococcus aureus
31	c2g2oA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: structure of e.coli fabd complexed with sulfate
32	c4rr5A	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: the crystal structure of synechocystis sp. pcc 6803 malonyl-coa: acp2 transacylase
33	c5ypvA	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of fabd from acinetobacter baumannii
34	c3ezoA	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of acyl-carrier-protein s-malonyltransferase from2 burkholderia pseudomallei 1710b
35	c3gatB	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of acyl-carrier-protein-s-malonyltransferase from2 bartonella henselae
36	c2qj3B	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: mycobacterium tuberculosis fabd
37	c4pivB	Alignment	not modelled	100.0	15	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: human fatty acid synthase psi/kr tri-domain with nadph and gsk2194069
38	c2h1yA	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: malonyl coenzyme a-acyl carrier protein transacylase; PDBTitle: crystal structure of malonyl-coa:acyl carrier protein transacylase2 (mcat) from helicobacter pylori
39	c2cdh9	Alignment	not modelled	100.0	21	PDB header: transferase Chain: 9: PDB Molecule: acetyl transferase; PDBTitle: architecture of the thermomyces lanuginosus fungal fatty2 acid synthase at 5 angstrom resolution.
40	c4l4xA	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: amphi; PDBTitle: an a2-type ketoreductase from a modular polyketide synthase
41	c3g87A	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: crystal structure of malonyl coa-acyl carrier protein transacylase2 from burkholderia pseudomallei using dried seaweed as nucleant or3 protease
42	c5dz7A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: polyketide biosynthesis protein pkse; PDBTitle: structural basis of acyl transfer in a trans-at polyketide synthase
43	c5dz6A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: polyketide biosynthesis malonyl coa-acyl carrier protein PDBTitle: acyl transferase from bacillaene pks
44	c2z5lA	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: tylactone synthase starter module and modules 1 & 2; PDBTitle: the first ketoreductase of the tylosin pks
45	c4dl7A	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: amphi; PDBTitle: structure of a2-type ketoreductase of modular polyketide synthases
46	c2uv9B	Alignment	not modelled	100.0	13	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
47	c5d2eA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: mlne; PDBTitle: crystal structure of an n-terminal ketoreductase from macrolactin2 assembly line
48	c5czcA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: malonyl-coa-[acyl-carrier-protein] transacylase; PDBTitle: the structure of vink
49	c4jl5A	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: polyketide synthase pkjs; PDBTitle: crystal structure of a ketoreductase domain from the bacillaene2 assembly line
50	c2c2nA	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: malonyl coa-acyl carrier protein transacylase; PDBTitle: structure of human mitochondrial malonyltransferase
51	c4hxyA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: plm1; PDBTitle: plmkr1-ketoreductase from the first module of

						phoslactomycin2 biosynthesis in streptomyces sp. hk803
52	c5ktkA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: polyketide synthase pksj; PDBTitle: ketoreductase from module 3 of the bacillaene synthase from bacillus2 subtilis 168
53	c2vkzC	Alignment	not modelled	100.0	18	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
54	c2uv8C	Alignment	not modelled	100.0	17	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
55	d1mlaa1	Alignment	not modelled	100.0	28	Fold: FabD/lysophospholipase-like Superfamily: FabD/lysophospholipase-like Family: FabD-like
56	d1nm2a1	Alignment	not modelled	100.0	26	Fold: FabD/lysophospholipase-like Superfamily: FabD/lysophospholipase-like Family: FabD-like
57	c3slkB	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: B: PDB Molecule: polyketide synthase extender module 2; PDBTitle: structure of ketoreductase and enoylreductase didomain from modular2 polyketide synthase
58	c3hmjB	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: saccharomyces cerevisiae fas type i
59	c2pffA	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
60	c2pffD	Alignment	not modelled	100.0	17	PDB header: transferase Chain: D: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
61	c2pffG	Alignment	not modelled	100.0	17	PDB header: transferase Chain: G: PDB Molecule: fatty acid synthase subunit alpha; PDBTitle: structural insights of yeast fatty acid synthase
62	c6fn6A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase 1, isoform a; PDBTitle: modifying region (dh-er-kr) of an insect fatty acid synthase (fas)
63	c3s8mA	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: enoyl-acyl reductase; PDBTitle: the crystal structure of fabv
64	c4ggoA	Alignment	not modelled	100.0	11	PDB header: oxidoreductase Chain: A: PDB Molecule: trans-2-enoyl-coa reductase; PDBTitle: crystal structure of trans-2-enoyl-coa reductase from treponema2 denticola
65	c4ro5A	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: sat domain from cazm; PDBTitle: crystal structure of the sat domain from the non-reducing fungal2 polyketide synthase cazm
66	c4oqjA	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmq ks1
67	c3llsB	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: 3-ketoacyl-(acyl-carrier-protein) reductase; PDBTitle: crystal structure of 3-ketoacyl-(acyl-carrier-protein) reductase from2 mycobacterium tuberculosis
68	c2uval	Alignment	not modelled	100.0	25	PDB header: transferase Chain: I: PDB Molecule: fatty acid synthase beta subunits; PDBTitle: crystal structure of fatty acid synthase from thermomyces2 lanuginosus at 3.1 angstrom resolution. this file contains3 the beta subunits of the fatty acid synthase. the entire4 crystal structure consists of one heterododecameric fatty5 acid synthase and is described in remark 400
69	c2vkzH	Alignment	not modelled	100.0	23	PDB header: transferase Chain: H: PDB Molecule: fatty acid synthase subunit beta; PDBTitle: structure of the cerulenin-inhibited fungal fatty acid synthase type i2 multienzyme complex
70	d2fr1a1	Alignment	not modelled	99.9	27	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
71	c4wkyB	Alignment	not modelled	99.9	28	PDB header: transferase Chain: B: PDB Molecule: beta-ketoacyl synthase; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmn ks2
72	c5erbB	Alignment	not modelled	99.9	17	PDB header: transferase Chain: B: PDB Molecule: polyketide synthase; PDBTitle: ketosynthase from module 5 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
73	c5elpA	Alignment	not modelled	99.9	21	PDB header: hydrolase Chain: A: PDB Molecule: nrps/pks protein; PDBTitle: ketosynthase from module 1 of the bacillaene synthase from bacillus2 amyloliquefaciens fzb42
74	c5xi0B	Alignment	not modelled	99.9	13	PDB header: oxidoreductase Chain: B: PDB Molecule: enoyl-[acyl-carrier-protein] reductase [nadh]; PDBTitle: crystal structure of fabv, a new class of enyl-acyl carrier protein2 reductase from vibrio fischeri
75	c4qyrA	Alignment	not modelled	99.9	17	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgse ks3
76	c4z37A	Alignment	not modelled	99.9	16	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 brevicibacillus brevis
77	c5e5nD	Alignment	not modelled	99.9	14	PDB header: hydrolase Chain: D: PDB Molecule: polyketide synthase pksl; PDBTitle: ketosynthase from module 6 of the bacillaene synthase from bacillus2 subtilis 168 (c167s mutant, crystal form 1)
78	c5e5nB	Alignment	not modelled	99.9	15	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)
79	c3m1IA	Alignment	not modelled	99.9	21	PDB header: oxidoreductase Chain: A: PDB Molecule: 3-oxoacyl-(acyl-carrier-protein) reductase; PDBTitle: crystal structure of a c-terminal truncated mutant of a putative2 ketoacyl reductase (fabg4) from mycobacterium tuberculosis h37rv at3 2.5 angstrom resolution
80	c4kc5D	Alignment	not modelled	99.9	15	PDB header: transferase Chain: D: PDB Molecule: rhie protein; PDBTitle: crystal structure of the c-terminal part of rhie from burkholderia2 rhizoxinica
81	c4na3A	Alignment	not modelled	99.9	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
82	c4tl2A	Alignment	not modelled	99.9	16	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: crystal structure of ketosynthase domain from mgsf from streptomyces2 platensis
83	c4tktA	Alignment	not modelled	99.9	19	PDB header: transferase Chain: A: PDB Molecule: at-less polyketide synthase; PDBTitle: streptomyces platensis isomigrastatin ketosynthase domain mgsf ks6
84	c2ju2A	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: erythronolide synthase; PDBTitle: minimized mean solution structure of the acyl carrier2 protein domain from module 2 of 6-deoxyerythronolide b3 synthase (debs)
85	c6h0jA	Alignment	not modelled	99.8	25	PDB header: protein binding Chain: A: PDB Molecule: type i modular polyketide synthase; PDBTitle: a1-type acp domain from module 5 of mlsa1
86	c5hvcA	Alignment	not modelled	99.8	26	PDB header: transferase Chain: A: PDB Molecule: type i modular polyketide synthase; PDBTitle: solution structure of the apo state of the acyl carrier protein from2 the mlsa2 subunit of the mycolactone polyketide synthase
87	c2et6A	Alignment	not modelled	99.8	17	PDB header: oxidoreductase Chain: A: PDB Molecule: (3r)-hydroxyacyl-coa dehydrogenase; PDBTitle: (3r)-hydroxyacyl-coa dehydrogenase domain of candida tropicalis2 peroxisomal multifunctional enzyme type 2
88	c2l22A	Alignment	not modelled	99.7	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: mupirocin didomain acyl carrier protein; PDBTitle: mupirocin didomain acp
89	c2liuA	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: cura; PDBTitle: nmr structure of holo-acpi domain from cura module from lynnbya2 majuscula
90	c2mf4A	Alignment	not modelled	99.7	20	PDB header: transferase Chain: A: PDB Molecule: hybrid polyketide synthase-non ribosomal peptide PDBTitle: 1h, 13c, 15n chemical shift assignments of streptomyces virginiae vira2 acp5a
91	c2n98A	Alignment	not modelled	99.7	17	PDB header: transport protein Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: solution structure of acyl carrier protein lipid from actinoplanes2 friuliensis
92	c1zbqB	Alignment	not modelled	99.7	19	PDB header: oxidoreductase Chain: B: PDB Molecule: 17-beta-hydroxysteroid dehydrogenase 4; PDBTitle: crystal structure of human 17-beta-hydroxysteroid dehydrogenase type 42 in complex with nad
93	d1zbqa1	Alignment	not modelled	99.7	19	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
94	c6c4qA	Alignment	not modelled	99.7	16	PDB header: transport protein Chain: A: PDB Molecule: polyketide synthase pks13; PDBTitle: 1.16 angstrom resolution crystal structure of acyl carrier protein2 domain (residues 1-100) of polyketide synthase pks13 from3 mycobacterium tuberculosis
95	c4ca3A	Alignment	not modelled	99.7	18	PDB header: ribosomal protein Chain: A: PDB Molecule: hybrid polyketide synthase-non ribosomal peptide PDBTitle: solution structure of streptomyces virginiae vira acp5b
96	c2pffH	Alignment	not modelled	99.7	16	PDB header: transferase Chain: H: PDB Molecule: fatty acid synthase subunit beta; PDBTitle: structural insights of yeast fatty acid synthase
97	c2pffB	Alignment	not modelled	99.7	16	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase subunit beta; PDBTitle: structural insights of yeast fatty acid synthase
98	c2pffE	Alignment	not modelled	99.7	16	PDB header: transferase Chain: E: PDB Molecule: fatty acid synthase subunit beta; PDBTitle: structural insights of yeast fatty acid synthase
99	c4hkgB	Alignment	not modelled	99.7	17	PDB header: phosphopantetheine binding protein Chain: B: PDB Molecule: phosphopantetheine attachment site family protein; PDBTitle: crystal structure of free-standing peptidyl carrier protein from2 uncharacterized acinetobacter baumannii secondary metabolic pathway
100	c2afdA	Alignment	not modelled	99.7	19	PDB header: ligand binding protein Chain: A: PDB Molecule: protein asl1650; PDBTitle: solution structure of asl1650, an acyl carrier protein from

						anabaena2 sp. pcc 7120 with a variant phosphopantetheinylation-site sequence
101	c4opeD	Alignment	not modelled	99.7	19	PDB header: ligase, transferase Chain: D: PDB Molecule: nrps/pks; PDBTitle: streptomcyes albus ja3453 oxazolomycin ketosynthase domain ozmh ks7
102	c2mr7A	Alignment	not modelled	99.7	21	PDB header: biosynthetic protein Chain: A: PDB Molecule: non-ribosomal peptide synthetase; PDBTitle: apo structure of the peptidyl carrier protein domain 7 of the2 teicoplanin producing non-ribosomal peptide synthetase
103	c5mtiA	Alignment	not modelled	99.7	21	PDB header: transport protein Chain: A: PDB Molecule: phosphopantetheine-binding protein; PDBTitle: bamb_5917 acyl-carrier protein
104	c2roqA	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: enterobactin synthetase component f; PDBTitle: solution structure of the thiolation-thioesterase di-domain2 of enterobactin synthetase component f
105	d1gz6a	Alignment	not modelled	99.7	19	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
106	c3omIA	Alignment	not modelled	99.7	23	PDB header: oxidoreductase, hydrolase Chain: A: PDB Molecule: peroxisomal multifunctional enzyme type 2, cg3415; PDBTitle: structure of full-length peroxisomal multifunctional enzyme type 22 from drosophila melanogaster
107	c4yacA	Alignment	not modelled	99.7	17	PDB header: oxidoreductase Chain: A: PDB Molecule: c alpha-dehydrogenase; PDBTitle: crystal structure of ligo in complex with nadh from sphingobium sp.2 strain syk-6
108	c3ioyB	Alignment	not modelled	99.7	14	PDB header: oxidoreductase Chain: B: PDB Molecule: short-chain dehydrogenase/reductase sdr; PDBTitle: structure of putative short-chain dehydrogenase (saro_0793) from2 novosphingobium aromaticivorans
109	c5msvB	Alignment	not modelled	99.6	27	PDB header: oxidoreductase Chain: B: PDB Molecule: thioester reductase domain-containing protein; PDBTitle: structure of the phosphopantetheine modified pcp-r didomain of2 carboxylic acid reductase (car) in complex with nadp
110	c2kr5A	Alignment	not modelled	99.6	18	PDB header: transport protein Chain: A: PDB Molecule: afatoxin biosynthesis polyketide synthase; PDBTitle: solution structure of an acyl carrier protein domain from fungal type2 i polyketide synthase
111	d1klpa	Alignment	not modelled	99.6	21	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
112	c4pxhF	Alignment	not modelled	99.6	22	PDB header: oxidoreductase/protein binding Chain: F: PDB Molecule: peptide synthetase; PDBTitle: structure of p450sky (cyp163b3), a cytochrome p450 from skyllamycin2 biosynthesis in complex with a peptidyl carrier protein domain
113	d1nq4a	Alignment	not modelled	99.6	17	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
114	c2fq1A	Alignment	not modelled	99.6	12	PDB header: hydrolase Chain: A: PDB Molecule: isochorismatase; PDBTitle: crystal structure of the two-domain non-ribosomal peptide synthetase2 entb containing isochorismate lyase and aryl-carrier protein domains
115	d2af8a	Alignment	not modelled	99.6	16	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
116	c5y08A	Alignment	not modelled	99.6	19	PDB header: biosynthetic protein Chain: A: PDB Molecule: 4-hydroxy-2,2'-bipyrrole-5-methanol synthase pigh; PDBTitle: solution structure of the apo doublet acyl carrier protein from2 prodigiosin biosynthesis
117	c2lteA	Alignment	not modelled	99.6	26	PDB header: transferase Chain: A: PDB Molecule: specialized acyl carrier protein; PDBTitle: solution nmr structure of the specialized acyl carrier protein pa33342 (apo) from pseudomonas aeruginosa, northeast structural genomics3 consortium target pat415
118	d1vkua	Alignment	not modelled	99.6	13	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
119	c2jgpA	Alignment	not modelled	99.6	18	PDB header: ligase Chain: A: PDB Molecule: tyrocidine synthetase 3; PDBTitle: structure of the tycc5-6 pcp-c bidomain of the tyrocidine synthetase2 tycc
120	c5zk4D	Alignment	not modelled	99.6	21	PDB header: transferase Chain: D: PDB Molecule: disa protein; PDBTitle: the structure of dszs acyltransferase with carrier protein