

Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD3563_(fadE32)_4004470_4005429
 Date Fri Aug 9 18:20:24 BST 2019
 Unique Job ID 2f063fc3d3dce649

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6es9A_	Alignment		100.0	24	PDB header: flavoprotein Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: methylsuccinyl-coa dehydrogenase of paracoccus denitrificans with2 bound flavin adenine dinucleotide
2	c2z1qA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl coa dehydrogenase
3	c3owaC_	Alignment		100.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl-coa dehydrogenase complexed with fad from2 bacillus anthracis
4	c2ix5A_	Alignment		100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coenzyme a oxidase 4, peroxisomal; PDBTitle: short chain specific acyl-coa oxidase from arabidopsis thaliana, acx42 in complex with acetoacetyl-coa
5	c2a1tC_	Alignment		100.0	23	PDB header: oxidoreductase/electron transport Chain: C: PDB Molecule: acyl-coa dehydrogenase, medium-chain specific, PDBTitle: structure of the human mcad:etf e165betaa complex
6	c5zw2A_	Alignment		100.0	21	PDB header: biosynthetic protein Chain: A: PDB Molecule: l-prolyl-[peptidyl-carrier protein] dehydrogenase; PDBTitle: fad complex of piga
7	c1rx0B_	Alignment		100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase family member 8, mitochondrial; PDBTitle: crystal structure of isobutyryl-coa dehydrogenase complexed with2 substrate/ligand.
8	c1legcB_	Alignment		100.0	22	PDB header: electron transfer Chain: B: PDB Molecule: medium chain acyl-coa dehydrogenase; PDBTitle: structure of t255e, e376g mutant of human medium chain acyl-2 coa dehydrogenase complexed with octanoyl-coa
9	c3mkhC_	Alignment		100.0	21	PDB header: oxidoreductase Chain: C: PDB Molecule: nitroalkane oxidase; PDBTitle: podospora anserina nitroalkane oxidase
10	c3sf6A_	Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: crystal structure of glutaryl-coa dehydrogenase from mycobacterium2 smegmatis
11	c4n5fA_	Alignment		100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: putative acyl-coa dehydrogenase; PDBTitle: crystal structure of a putative acyl-coa dehydrogenase with bound2 fadh2 from burkholderia cenocepacia j2315

12	c1siqA_	Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: the crystal structure and mechanism of human glutaryl-coa2 dehydrogenase
13	c2cx9C_	Alignment		100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl-coa dehydrogenase
14	c3swoA_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: crystal structure of a glutaryl-coa dehydrogenase from mycobacterium2 smegmatis in complex with fadh2
15	c2uxwA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: very-long-chain specific acyl-coa dehydrogenase; PDBTitle: crystal structure of human very long chain acyl-coa dehydrogenase2 (acadvl)
16	c1ivhD_	Alignment		100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: isovaleryl-coa dehydrogenase; PDBTitle: structure of human isovaleryl-coa dehydrogenase at 2.62 angstroms resolution: structural basis for substrate3 specificity
17	c5ahsB_	Alignment		100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: 3-sulfino-propionyl-coenzyme a (3sp-coa) desulfinase from advenella2 mimgardefordensis dpn7t: holo crystal structure with the substrate3 analog succinyl-coa
18	c4x28D_	Alignment		100.0	27	PDB header: oxidoreductase Chain: D: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of the chse4-chse5 complex from mycobacterium2 tuberculosis
19	c1ukwA_	Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of medium-chain acyl-coa dehydrogenase2 from thermus thermophilus hb8
20	c411fB_	Alignment		100.0	24	PDB header: electron transport Chain: B: PDB Molecule: acyl-coa dehydrogenase domain protein; PDBTitle: electron transferring flavoprotein of acidaminococcus fermentans:2 towards a mechanism of flavin-based electron bifurcation
21	c4hr3A_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: putative acyl-coa dehydrogenase; PDBTitle: structure of a putative acyl-coa dehydrogenase from mycobacterium2 abscessus
22	c6cy8B_	Alignment	not modelled	100.0	23	PDB header: biosynthetic protein Chain: B: PDB Molecule: butyryl-coa dehydrogenase; PDBTitle: crystal structure of fad-dependent dehydrogenase
23	c2ebal_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: I: PDB Molecule: putative glutaryl-coa dehydrogenase; PDBTitle: crystal structure of the putative glutaryl-coa dehydrogenase from2 thermus thermophilus
24	c3eomD_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: 2.4 a crystal structure of native glutaryl-coa dehydrogenase from2 burkholderia pseudomallei
25	c3oibB_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of a putative acyl-coa dehydrogenase from2 mycobacterium smegmatis, iodide soak
26	c2pg0B_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl-coa dehydrogenase from geobacillus2 kaustophilus
27	c4irnF_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: F: PDB Molecule: prolyl-acp dehydrogenase; PDBTitle: crystal structure of the prolyl acyl carrier protein oxidase anab
28	c3nf4B_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl-coa dehydrogenase from mycobacterium2 thermoresistibile bound to flavin adenine dinucleotide

29	c4iv6A_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase fade3; PDBTitle: x-ray crystal structure of an isovaleryl-coa dehydrogenase from2 mycobacterium smegmatis
30	c5ol2F_	Alignment	not modelled	100.0	22	PDB header: flavoprotein Chain: F: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: the electron transferring flavoprotein/butyryl-coa dehydrogenase2 complex from clostridium difficile
31	c2rehD_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: D: PDB Molecule: nitroalkane oxidase; PDBTitle: mechanistic and structural analyses of the roles of arg4092 and asp402 in the reaction of the flavoprotein nitroalkane3 oxidase
32	c3r7kB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: probable acyl coa dehydrogenase; PDBTitle: crystal structure of a probable acyl coa dehydrogenase from2 mycobacterium abscessus atcc 19977 / dsm 44196
33	c4u83A_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: structure of brucella abortus butyryl-coa dehydrogenase
34	c2dvlB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of project tt0160 from thermus thermophilus hb8
35	c2jifA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: short/branched chain specific acyl-coa dehydrogenase; PDBTitle: structure of human short-branched chain acyl-coa dehydrogenase2 (acadsb)
36	c2vigC_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: C: PDB Molecule: short-chain specific acyl-coa dehydrogenase,; PDBTitle: crystal structure of human short-chain acyl coa dehydrogenase
37	c3mpjG_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: G: PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: structure of the glutaryl-coenzyme a dehydrogenase
38	c6fahD_	Alignment	not modelled	100.0	21	PDB header: flavoprotein Chain: D: PDB Molecule: caffeyl-coa reductase-etf complex subunit carc; PDBTitle: molecular basis of the flavin-based electron-bifurcating caffeyl-coa2 reductase reaction
39	c4w9uD_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of an acyl-coa dehydrogenase from brucella2 melitensis
40	c4x28B_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of the chse4-chse5 complex from mycobacterium2 tuberculosis
41	c1bucB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: butyryl-coa dehydrogenase; PDBTitle: three-dimensional structure of butyryl-coa dehydrogenase from2 megasphaera elsdenii
42	c6ijcA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase family protein; PDBTitle: structure of mmpa-coa dehydrogenase from roseovarius nubinhibens ism
43	c4ktoB_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: isovaleryl-coa dehydrogenase; PDBTitle: crystal structure of a putative isovaleryl-coa dehydrogenase (psi-2 nysgrc-012251) from sinorhizobium meliloti 1021
44	c4rm7A_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: the crystal structure of acyl-coa dehydrogenase from slackia2 heliotrinireducens dsm 20476
45	c5iduB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase domain protein; PDBTitle: crystal structure of an acyl-coa dehydrogenase domain protein from2 burkholderia phymatum bound to fad
46	c3pfdB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of an acyl-coa dehydrogenase from mycobacterium2 thermoresistibile bound to reduced flavin adenine dinucleotide solved3 by combined iodide ion sad mr
47	c2wbiB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase family member 11; PDBTitle: crystal structure of human acyl-coa dehydrogenase 11
48	c1r2jA_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: protein fkbi; PDBTitle: fkbi for biosynthesis of methoxymalonyl extender unit of fk5202 polyketide immunosupresant
49	c4m6zB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-[acyl-carrier-protein] dehydrogenase mbtn; PDBTitle: crystal structure of an acyl-acp dehydrogenase
50	c5lnxC_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of mmgc, an acyl-coa dehydrogenase from bacillus2 subtilis.
51	c5ez3B_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure acyl-coa dehydrogenase from brucella melitensis in2 complex with fad
52	c5gj7A_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase type 2 domain protein; PDBTitle: putative acyl-coa dehydrogenase PDB header: oxidoreductase

53	c5mr6R_	Alignment	not modelled	100.0	17	Chain: R: PDB Molecule: xiaf protein; PDBTitle: xiaf from streptomyces sp. in complex with fadh2 and glycerol
54	c3djlA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: protein aidb; PDBTitle: crystal structure of alkylation response protein e. coli aidb
55	c5xdcB_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: thermophilic dibenzothiophene desulfurization enzyme c; PDBTitle: crystal structure of indole-bound tdsc from paenibacillus sp. a11-2
56	c2jbtA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: p-hydroxyphenylacetate hydroxylase c2\oxygenase PDBTitle: structure of the monooxygenase component of p-2 hydroxyphenylacetate hydroxylase from acinetobacter3 baumannii
57	c4doyE_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: E: PDB Molecule: dibenzothiophene desulfurization enzyme c; PDBTitle: crystal structure of dibenzothiophene desulfurization enzyme c
58	c3m9vA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent oxidoreductase; PDBTitle: x-ray structure of a kjid3 in complex with dtdp
59	c2or0B_	Alignment	not modelled	100.0	12	PDB header: oxidoreductase Chain: B: PDB Molecule: hydroxylase; PDBTitle: structural genomics, the crystal structure of a putative hydroxylase2 from rhodococcus sp. rha1
60	c2rfqA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: 3-hsa hydroxylase, oxygenase; PDBTitle: crystal structure of 3-hsa hydroxylase from rhodococcus sp. rha1
61	c4y9lB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: protein acdh-11, isoform b; PDBTitle: crystal structure of caenorhabditis elegans acdh-11
62	c4zxvB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: dnmz; PDBTitle: streptomyces peucetius nitrososynthase dnmz in ligand-free state
63	c3mxlB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: nitrososynthase; PDBTitle: crystal structure of nitrososynthase from micromonospora carbonacea2 var. africana
64	c1w07A_	Alignment	not modelled	100.0	12	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa oxidase; PDBTitle: arabidopsis thaliana acyl-coa oxidase 1
65	c2ddhA_	Alignment	not modelled	100.0	11	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa oxidase; PDBTitle: crystal structure of acyl-coa oxidase complexed with 3-oh-dodecanoate
66	c2fonA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: peroxisomal acyl-coa oxidase 1a; PDBTitle: x-ray crystal structure of leacx1, an acyl-coa oxidase from2 lycopersicon esculentum (tomato)
67	c5k3jA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coenzyme a oxidase; PDBTitle: crystals structure of acyl-coa oxidase-2 in caenorhabditis elegans2 bound with fad, ascaroside-coa, and atp
68	c5y9dA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coenzyme a oxidase 1; PDBTitle: crystal structure of acyl-coa oxidase1 from yarrowia lipolytica
69	c5k3iH_	Alignment	not modelled	100.0	13	PDB header: oxidoreductase Chain: H: PDB Molecule: acyl-coenzyme a oxidase; PDBTitle: crystal structure of acyl-coa oxidase-1 in caenorhabditis elegans2 complexed with fad and atp
70	c5ys9A_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coenzyme a oxidase 3; PDBTitle: crystal structure of acyl-coa oxidase3 from yarrowia lipolytica
71	d1siqa1	Alignment	not modelled	100.0	26	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
72	d1ivha1	Alignment	not modelled	99.9	23	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
73	d1r2ja1	Alignment	not modelled	99.9	27	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
74	d1rx0a1	Alignment	not modelled	99.9	25	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
75	d1jqia1	Alignment	not modelled	99.9	30	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
76	d3mdea1	Alignment	not modelled	99.9	27	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
77	d1egda1	Alignment	not modelled	99.9	30	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
78	d2d29a1	Alignment	not modelled	99.9	30	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like

78	d2c29a1	Alignment	not modelled	99.9	30	Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
79	d2c12a2	Alignment	not modelled	99.9	16	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
80	d2c12a1	Alignment	not modelled	99.9	26	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
81	d1lukwa1	Alignment	not modelled	99.9	32	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
82	d1buca1	Alignment	not modelled	99.9	32	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
83	d1w07a1	Alignment	not modelled	99.9	15	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: acyl-CoA oxidase C-terminal domains
84	d1legda2	Alignment	not modelled	99.9	16	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
85	d2ddha1	Alignment	not modelled	99.9	14	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: acyl-CoA oxidase C-terminal domains
86	d3mdea2	Alignment	not modelled	99.9	19	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
87	d2d29a2	Alignment	not modelled	99.9	16	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
88	d1rx0a2	Alignment	not modelled	99.9	16	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
89	d1lukwa2	Alignment	not modelled	99.9	18	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
90	d1jqia2	Alignment	not modelled	99.9	18	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
91	d1buca2	Alignment	not modelled	99.9	17	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
92	c3hwcD	Alignment	not modelled	99.8	10	PDB header: oxidoreductase Chain: D: PDB Molecule: chlorophenol-4-monooxygenase component 2; PDBTitle: crystal structure of chlorophenol 4-monooxygenase (tftd) of2 burkholderia cepacia ac1100
93	d1siqua2	Alignment	not modelled	99.8	14	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
94	d1ivha2	Alignment	not modelled	99.8	19	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
95	d1r2ja2	Alignment	not modelled	99.8	20	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
96	c2yyjA	Alignment	not modelled	99.7	15	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylacetate-3-hydroxylase; PDBTitle: crystal structure of the oxygenase component (hpab) of 4-2 hydroxyphenylacetate 3-monooxygenase complexed with fad and 4-3 hydroxyphenylacetate
97	d2ddha3	Alignment	not modelled	99.6	11	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: acyl-CoA oxidase N-terminal domains
98	c4g5eD	Alignment	not modelled	99.6	9	PDB header: oxidoreductase Chain: D: PDB Molecule: 2,4,6-trichlorophenol 4-monooxygenase; PDBTitle: 2,4,6-trichlorophenol 4-monooxygenase
99	c1u8vA	Alignment	not modelled	99.6	23	PDB header: lyase, isomerase Chain: A: PDB Molecule: gamma-aminobutyrate metabolism dehydratase/isomerase; PDBTitle: crystal structure of 4-hydroxybutyryl-coa dehydratase from clostridium2 aminobutyricum: radical catalysis involving a [4fe-4s] cluster and3 flavin
100	d1w07a3	Alignment	not modelled	99.5	7	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: acyl-CoA oxidase N-terminal domains
101	c6eb0A	Alignment	not modelled	99.4	13	PDB header: oxidoreductase Chain: A: PDB Molecule: 4-hydroxyphenylacetate 3-monooxygenase, oxygenase subunit; PDBTitle: structure of 4-hydroxyphenylacetate 3-monooxygenase (hpab), oxygenase2 component from escherichia coli
102	c4oo2D	Alignment	not modelled	97.5	17	PDB header: oxidoreductase Chain: D: PDB Molecule: chlorophenol-4-monooxygenase; PDBTitle: streptomyces globisporus c-1027 fad dependent (s)-3-chloro-β-2 tyrosine-s-sgcc2 c-5 hydroxylase sgcc apo form Fold: Acyl-CoA dehydrogenase NM domain-like

103	d1u8va2	Alignment	not modelled	97.0	14	Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains
104	d1u8va1	Alignment	not modelled	90.6	14	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
105	d1x8da1	Alignment	not modelled	40.5	9	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Yiil-like
106	c6hnnA_	Alignment	not modelled	28.3	18	PDB header: isomerase Chain: A: PDB Molecule: l-rhamnose mutarotase; PDBTitle: crystal structure of l-rhamnose mutarotase fa22100 from formosa2 agariphila
107	c2pjpA_	Alignment	not modelled	25.3	15	PDB header: translation/rna Chain: A: PDB Molecule: selenocysteine-specific elongation factor; PDBTitle: structure of the mrna-binding domain of elongation factor2 selb from e.coli in complex with secis rna
108	d1lvaa3	Alignment	not modelled	24.9	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal fragment of elongation factor SelB
109	c2qlwA_	Alignment	not modelled	24.4	12	PDB header: isomerase Chain: A: PDB Molecule: rhau; PDBTitle: crystal structure of rhamnose mutarotase rhau of rhizobium2 leguminosarum
110	c2qlxA_	Alignment	not modelled	24.4	12	PDB header: isomerase Chain: A: PDB Molecule: l-rhamnose mutarotase; PDBTitle: crystal structure of rhamnose mutarotase rhau of rhizobium2 leguminosarum in complex with l-rhamnose