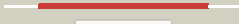



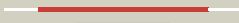



















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3564_(fadE33)_4005426_4006382
Date	Fri Aug 9 18:20:24 BST 2019
Unique Job ID	c76cedf0f1689ed3

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2z1qA_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl coa dehydrogenase
2	c6es9A_	 Alignment		100.0	26	PDB header: flavoprotein Chain: A; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: methylsuccinyl-coa dehydrogenase of paracoccus denitrificans with2 bound flavin adenine dinucleotide
3	c3owaC_	 Alignment		100.0	23	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	20	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	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)
6	c2a1tC_	 Alignment		100.0	21	PDB header: oxidoreductase/electron transport Chain: C; PDB Molecule: acyl-coa dehydrogenase, medium-chain specific, PDBTitle: structure of the human mcad:etf e165betaa complex
7	c1rx0B_	 Alignment		100.0	22	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	c3nf4B_	 Alignment		100.0	27	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
9	c4x28D_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: D; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of the chse4-chse5 complex from mycobacterium2 tuberculosis
10	c3eomD_	 Alignment		100.0	17	PDB header: oxidoreductase Chain: D; PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: 2.4 a crystal structure of native glutaryl-coa dehydrogenase from2 burkholderia pseudomallei
11	c5ahsB_	 Alignment		100.0	21	PDB header: oxidoreductase Chain: B; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: 3-sulfino-propionyl-coenzyme a (3sp-coa) desulfinate from advenella2 mimgardefordensis dpn7t: holo crystal structure with the substrate3 analog succinyl-coa

12	c5zw2A_	Alignment		100.0	21	PDB header: biosynthetic protein Chain: A; PDB Molecule: l-prolyl-[peptidyl-carrier protein] dehydrogenase; PDBTitle: fad complex of piga
13	c3oibB_	Alignment		100.0	26	PDB header: oxidoreductase Chain: B; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of a putative acyl-coa dehydrogenase from <i>Mycobacterium smegmatis</i> , iodide soak
14	c4u83A_	Alignment		100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: structure of <i>Brucella abortus</i> butyryl-coa dehydrogenase
15	c4hr3A_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: putative acyl-coa dehydrogenase; PDBTitle: structure of a putative acyl-coa dehydrogenase from <i>Mycobacterium abscessus</i>
16	c4irnF_	Alignment		100.0	20	PDB header: oxidoreductase Chain: F; PDB Molecule: prolyl-accp dehydrogenase; PDBTitle: crystal structure of the prolyl acyl carrier protein oxidase anab
17	c1ivhD_	Alignment		100.0	25	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
18	c2pg0B_	Alignment		100.0	22	PDB header: oxidoreductase Chain: B; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl-coa dehydrogenase from <i>Geobacillus kaustophilus</i>
19	c1siqA_	Alignment		100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: the crystal structure and mechanism of human glutaryl-coa2 dehydrogenase
20	c2ebal_	Alignment		100.0	20	PDB header: oxidoreductase Chain: I; PDB Molecule: putative glutaryl-coa dehydrogenase; PDBTitle: crystal structure of the putative glutaryl-coa dehydrogenase from <i>Thermus thermophilus</i>
21	c2vigC_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: C; PDB Molecule: short-chain specific acyl-coa dehydrogenase,; PDBTitle: crystal structure of human short-chain acyl coa dehydrogenase
22	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 <i>Mycobacterium tuberculosis</i>
23	c2cx9C_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: C; PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of acyl-coa dehydrogenase
24	c3swoA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: crystal structure of a glutaryl-coa dehydrogenase from <i>Mycobacterium smegmatis</i> in complex with fadh2
25	c4n5fA_	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A; PDB Molecule: putative acyl-coa dehydrogenase; PDBTitle: crystal structure of a putative acyl-coa dehydrogenase with bound2 fadh2 from <i>Burkholderia cenocepacia</i> j2315
26	c3sf6A_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: crystal structure of glutaryl-coa dehydrogenase from <i>Mycobacterium smegmatis</i>
27	c3r7kB_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B; PDB Molecule: probable acyl coa dehydrogenase; PDBTitle: crystal structure of a probable acyl coa dehydrogenase from <i>Mycobacterium abscessus</i> atcc 19977 / dsm 44196
28	c1egcB_	Alignment	not modelled	100.0	19	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

29	c2jifA_	Alignment	not modelled	100.0	23	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)
30	c3mkhC_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: nitroalkane oxidase; PDBTitle: podospora anserina nitroalkane oxidase
31	c6ijcA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase family protein; PDBTitle: structure of mmpa-coa dehydrogenase from roseovarius nubinhibens ism
32	c6fahD_	Alignment	not modelled	100.0	22	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
33	c1lukwA_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of medium-chain acyl-coa dehydrogenase2 from thermus thermophilus hb8
34	c4rm7A_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: the crystal structure of acyl-coa dehydrogenase from slackia2 heliotrinireducens dsm 20476
35	c5ol2F_	Alignment	not modelled	100.0	27	PDB header: flavoprotein Chain: F: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: the electron transferring flavoprotein/butyryl-coa dehydrogenase2 complex from clostridium difficile
36	c4l1fB_	Alignment	not modelled	100.0	27	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
37	c2dvlB_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of project tt0160 from thermus thermophilus hb8
38	c6cy8B_	Alignment	not modelled	100.0	26	PDB header: biosynthetic protein Chain: B: PDB Molecule: butyryl-coa dehydrogenase; PDBTitle: crystal structure of fad-dependent dehydrogenase
39	c4iv6A_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase fade3; PDBTitle: x-ray crystal structure of an isovaleryl-coa dehydrogenase from2 mycobacterium smegmatis
40	c4w9uD_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of an acyl-coa dehydrogenase from brucella2 melitensis
41	c2rehD_	Alignment	not modelled	100.0	17	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
42	c4ktoB_	Alignment	not modelled	100.0	27	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
43	c3mpjG_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: G: PDB Molecule: glutaryl-coa dehydrogenase; PDBTitle: structure of the glutaryl-coenzyme a dehydrogenase
44	c1r2jA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: protein fkbi; PDBTitle: fkbi for biosynthesis of methoxymalonyl extender unit of fk5202 polyketide immunosuppresant
45	c5iduB_	Alignment	not modelled	100.0	21	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	27	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	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
48	c5gj7A_	Alignment	not modelled	100.0	13	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa dehydrogenase type 2 domain protein; PDBTitle: putative acyl-coa dehydrogenase
49	c2wbiB_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase family member 11; PDBTitle: crystal structure of human acyl-coa dehydrogenase 11
50	c4m6zB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-[acyl-carrier-protein] dehydrogenase mbtn; PDBTitle: crystal structure of an acyl-acp dehydrogenase
51	c5mr6R_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: R: PDB Molecule: xiaf protein; PDBTitle: xiaf from streptomyces sp. in complex with fadh2 and glycerol
52	c5xdcB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: thermophilic dibenzothiophene desulfurization enzyme c; PDBTitle: crystal structure of indole-bound tdsc from paenibacillus sp. a11-2
						PDB header: oxidoreductase

53	c5lnxC_	Alignment	not modelled	100.0	27	Chain: C: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure of mmgc, an acyl-coa dehydrogenase from bacillus2 subtilis.
54	c5ez3B_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: acyl-coa dehydrogenase; PDBTitle: crystal structure acyl-coa dehydrogenase from brucella melitensis in2 complex with fad
55	c2jbtA_	Alignment	not modelled	100.0	19	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
56	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
57	c3m9vA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent oxidoreductase; PDBTitle: x-ray structure of a kijd3 in complex with dtdp
58	c2or0B_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: hydroxylase; PDBTitle: structural genomics, the crystal structure of a putative hydroxylase2 from rhodococcus sp. rha1
59	c2rfqA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: 3-hsa hydroxylase, oxygenase; PDBTitle: crystal structure of 3-hsa hydroxylase from rhodococcus sp. rha1
60	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
61	c4y9lB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: protein acdh-11, isoform b; PDBTitle: crystal structure of caenorhabditis elegans acdh-11
62	c3mxlB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: nitrososynthase; PDBTitle: crystal structure of nitrososynthase from micromonospora carbonacea2 var. africana
63	c4zxvB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: dnmz; PDBTitle: streptomyces peucetius nitrososynthase dnmz in ligand-free state
64	c1w07A_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa oxidase; PDBTitle: arabidopsis thaliana acyl-coa oxidase 1
65	c2fonA_	Alignment	not modelled	100.0	18	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)
66	c2ddhA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coa oxidase; PDBTitle: crystal structure of acyl-coa oxidase complexed with 3-oh-dodecanoate
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	c5k3iH_	Alignment	not modelled	100.0	14	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
69	c5y9dA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: acyl-coenzyme a oxidase 1; PDBTitle: crystal structure of acyl-coa oxidase1 from yarrowia lipolytica
70	c5ys9A_	Alignment	not modelled	100.0	15	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	19	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
72	d1r2ja1	Alignment	not modelled	100.0	24	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
73	d1ivha1	Alignment	not modelled	100.0	25	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
74	d3mdea1	Alignment	not modelled	100.0	23	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
75	d1rx0a1	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
76	d1egda1	Alignment	not modelled	100.0	22	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
77	d2d29a1	Alignment	not modelled	100.0	28	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
78	d2c12a1	Alignment	not modelled	100.0	16	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal

						domain
79	d1lukwa1	Alignment	not modelled	100.0	28	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
80	d1lqia1	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
81	d1buca1	Alignment	not modelled	100.0	30	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: Medium chain acyl-CoA dehydrogenase-like, C-terminal domain
82	d1w07a1	Alignment	not modelled	99.9	21	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: acyl-CoA oxidase C-terminal domains
83	d2ddha1	Alignment	not modelled	99.9	13	Fold: Bromodomain-like Superfamily: Acyl-CoA dehydrogenase C-terminal domain-like Family: acyl-CoA oxidase C-terminal domains
84	d2c12a2	Alignment	not modelled	99.9	15	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	d1rx0a2	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
86	d3mdea2	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
87	d2d29a2	Alignment	not modelled	99.9	23	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	d1egda2	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
89	d1lukwa2	Alignment	not modelled	99.8	22	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	c3hwcD	Alignment	not modelled	99.8	16	PDB header: oxidoreductase Chain: D: PDB Molecule: chlorophenol-4-monooxygenase component 2; PDBTitle: crystal structure of chlorophenol 4-monooxygenase (tftd) of2 burkholderia cepacia ac1100
91	d1lqia2	Alignment	not modelled	99.8	24	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	d1ivha2	Alignment	not modelled	99.8	24	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
93	d1siga2	Alignment	not modelled	99.8	11	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	d1buca2	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	c4g5eD	Alignment	not modelled	99.7	19	PDB header: oxidoreductase Chain: D: PDB Molecule: 2,4,6-trichlorophenol 4-monooxygenase; PDBTitle: 2,4,6-trichlorophenol 4-monooxygenase
96	d1r2ja2	Alignment	not modelled	99.7	21	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
97	c1u8vA	Alignment	not modelled	99.6	15	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
98	c2yyjA	Alignment	not modelled	99.6	14	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
99	c6eb0A	Alignment	not modelled	99.4	14	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
100	d1w07a3	Alignment	not modelled	99.4	16	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: acyl-CoA oxidase N-terminal domains
101	d2ddha3	Alignment	not modelled	99.2	15	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like Family: acyl-CoA oxidase N-terminal domains
102	c4oo2D	Alignment	not modelled	97.5	15	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
103	d1u8va2	Alignment	not modelled	96.4	13	Fold: Acyl-CoA dehydrogenase NM domain-like Superfamily: Acyl-CoA dehydrogenase NM domain-like

103 [U100V6Z](#)

Alignment

not modelled

90.4

13

Family:Medium chain acyl-CoA dehydrogenase, NM (N-terminal and middle) domains