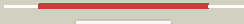



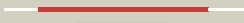



















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1777_(cyp144)_2010663_2011967
Date	Fri Aug 2 13:30:38 BST 2019
Unique Job ID	380f2dd309b2e1f2

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5hdiA_	 Alignment		100.0	100	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 144; PDBTitle: structural characterization of cyp144a1, a mycobacterium tuberculosis2 cytochrome p450
2	c4l0eA_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: p450 monooxygenase; PDBTitle: structure of p450sky (cyp163b3), a cytochrome p450 from skyllamycin2 biosynthesis (heme-coordinated expression tag)
3	c2wivA_	 Alignment		100.0	24	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450-like protein xpla; PDBTitle: cytochrome-p450 xpla heme domain p21
4	c5gweB_	 Alignment		100.0	23	PDB header: electron transport Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450 crej
5	c6hqdB_	 Alignment		100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from pseudomonas sp. 19-rlim
6	c3p3oA_	 Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of the cytochrome p450 monooxygenase aurb (ntermii)2 from streptomyces thioluteus
7	c6hqwA_	 Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
8	c5fyfA_	 Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp153a from marinobacter aquaeolei
9	c6giiA_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of tepidiphilus thermophilus p450 heme domain
10	c6bldA_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 268a2 cyp268a2; PDBTitle: mycobacterium marinum cytochrome p450 cyp268a2 in complex with2 pseudoionone
11	d1q5da_	 Alignment		100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450

12	c3bujA_	Alignment		100.0	25	PDB header: metal binding protein Chain: A: PDB Molecule: calo2; PDBTitle: crystal structure of calo2
13	c4l36B_	Alignment		100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: putative p450-like protein; PDBTitle: crystal structure of the cytochrome p450 enzyme txtx
14	c3mgxB_	Alignment		100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: putative p450 monooxygenase; PDBTitle: crystal structure of p450 oxyd that is involved in the biosynthesis of 2 vancomycin-type antibiotics
15	c5li8A_	Alignment		100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 126; PDBTitle: crystal structure of mycobacterium tuberculosis cyp126a1 in complex2 with ketoconazole
16	c6hqgB_	Alignment		100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from phenylbacterium zucineum
17	c3tktA_	Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cyp108d1 from novosphingobium aromaticivorans2 dsm12444
18	d1cpta_	Alignment		100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
19	c2fr7A_	Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp199a2
20	c5livC_	Alignment		100.0	25	PDB header: oxidoreductase Chain: C: PDB Molecule: cytochrome p450 cyp260a1,cytochrome p450 cyp260a1; PDBTitle: crystal structure of myxobacterial cyp260a1
21	c6gk5A_	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp267b1 protein; PDBTitle: crystal structure of cytochrome p450 cyp267b1 from sorangium2 cellulolum so ce56
22	c5h1zA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: putative cyp alkane hydroxylase cyp153d17; PDBTitle: cyp153d17 from sphingomonas sp. pamc 26605
23	c2uvmB_	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 130; PDBTitle: crystal structure of econazole-bound cyp130 from mycobacterium2 tuberculosis
24	c3rwlA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 alkane hydroxylase 1 cyp153a7; PDBTitle: structure of p450pyr hydroxylase
25	c2wm5A_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 124; PDBTitle: x-ray structure of the substrate-free mycobacterium tuberculosis2 cytochrome p450 cyp124
26	c2xkrA_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 142; PDBTitle: crystal structure of mycobacterium tuberculosis cyp142: a novel2 cholesterol oxidase
27	c2z3tD_	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate free cytochrome p450 stap2 (cyp245a1)
28	c4yt3B_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450(meg); PDBTitle: cyp106a2

29	c3nc7A	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cypx; PDBTitle: cyp134a1 2-phenylimidazole bound structure
30	c5kyoD	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: cyp101j2; PDBTitle: crystal structure of cyp101j2
31	c5ncbA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of amycolatopsis cytochrome p450 gcoa in complex2 with guaiacol.
32	c6dcdA	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 150a6 cyp150a6; PDBTitle: mycobacterium marinum cytochrome p450 cyp150a6 in the substrate-free2 form
33	d1re9a	Alignment	not modelled	100.0	20	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
34	d1lfa	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
35	c6g71A	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp1232a24 from arthrobacter sp.
36	c3lxiB	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d1
37	c3nv6A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d2
38	c5foiB	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: mycinamicin viii c21 methyl hydroxylase; PDBTitle: crystal structure of mycinamicin viii c21 methyl hydroxylase mycci2 from micromonospora griseorubida bound to mycinamicin viii
39	c2xbkA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: pmid protein; PDBTitle: x-ray structure of the substrate-bound cytochrome p450 pmid - a2 polyene macrolide antibiotic pimaricin epoxidase
40	c4dxyA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structures of cyp101d2 y96a mutant
41	c3r9cA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 164a2; PDBTitle: crystal structure of mycobacterium smegmatis cyp164a2 with econazole2 bound
42	c2z36A	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 type compactin 3",4"- PDBTitle: crystal structure of cytochrome p450 moxa from nonomuraea2 recticataena (cyp105)
43	c3a4hA	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: vitamin d hydroxylase; PDBTitle: structure of cytochrome p450 vdh from pseudonocardia autotrophica2 (orthorhombic crystal form)
44	c3ejdD	Alignment	not modelled	100.0	24	PDB header: oxidoreductase/lipid transport Chain: D: PDB Molecule: biotin biosynthesis cytochrome p450-like enzyme; PDBTitle: crystal structure of p450bioi in complex with hexadec-9z-enoic acid2 ligated acyl carrier protein
45	c3ivyA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp125; PDBTitle: crystal structure of mycobacterium tuberculosis cytochrome p4502 cyp125, p212121 crystal form
46	d1ueda	Alignment	not modelled	100.0	25	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
47	c6gmfA	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: structure of cytochrome p450 cyp109q5 from chondromyces apiculatus
48	c4e2pA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 107b1 (p450cviib1); PDBTitle: crystal structure of a post-tailoring hydroxylase (hmtm) involved in2 the himastatin biosynthesis
49	c4tvfA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: oxyb; PDBTitle: oxyb from actinoplanes teichomyceticus
50	c4mm0B	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: B: PDB Molecule: p450-like monooxygenase; PDBTitle: crystal structure analysis of the putative thioether synthase sgvp2 involved in the tailoring step of griseoviridin
51	c3e5kA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 (cytochrome p450 hydroxylase); PDBTitle: crystal structure of cyp105p1 wild-type 4-phenylimidazole complex
52	c5l1sA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: pentalenolactone synthase; PDBTitle: x-ray structure of f232l mutant of cytochrome p450 pntm with2 pentalenolactone f
53	c4yzzA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: polyketide biosynthesis cytochrome p450 pkss; PDBTitle: bacillus subtilis 168 bacillaene polyketide synthase (pks) cytochrome2 p450 pkss
54	c5hh3C	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: C: PDB Molecule: oxya protein;

					PDBTitle: oxya from actinoplanes teichomyceticus
55	d1s1fa_	Alignment	not modelled	100.0	23 Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
56	d1gwia_	Alignment	not modelled	100.0	25 Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
57	d1z8oa1	Alignment	not modelled	100.0	27 Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
58	c3wvsA_	Alignment	not modelled	100.0	26 PDB header: oxidoreductase Chain: A: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of cytochrome p450revi
59	c5y1iA_	Alignment	not modelled	100.0	25 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of gfsf
60	c1t2bA_	Alignment	not modelled	100.0	22 PDB header: unknown function Chain: A: PDB Molecule: p450cin; PDBTitle: crystal structure of cytochrome p450cin complexed with its2 substrate 1,8-cineole
61	c5hiwA_	Alignment	not modelled	100.0	27 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp260b1; PDBTitle: sorangium cellulosum so ce56 cytochrome p450 260b1
62	c3ofuE_	Alignment	not modelled	100.0	25 PDB header: oxidoreductase Chain: E: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp101c1
63	c3wecA_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of p450 raua (cyp1050a1) complexed with a biosynthetic2 intermediate of aurachin re
64	c5I90B_	Alignment	not modelled	100.0	27 PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of substrate-free cyp109e1 from bacillus2 megaterium at 2.55 angstrom resolution
65	c5z9jA_	Alignment	not modelled	100.0	26 PDB header: oxidoreductase Chain: A: PDB Molecule: putative p450-like enzyme; PDBTitle: identification of the functions of unusual cytochrome p450-like2 monooxygenases involved in microbial secondary metabolism
66	c2jjoA_	Alignment	not modelled	100.0	28 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 113a1; PDBTitle: structure of cytochrome p450 eryk in complex with its2 natural substrate erd
67	c6b11B_	Alignment	not modelled	100.0	26 PDB header: oxidoreductase Chain: B: PDB Molecule: 20-oxo-5-o-mycaminosyltylactone 23-monoxygenase; PDBTitle: tylhi in complex with native substrate 23-deoxy-5-o-mycaminosyl-2 tylonolide (23-dmtl)
68	c4xe3B_	Alignment	not modelled	100.0	25 PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p-450; PDBTitle: olep, the cytochrome p450 epoxidase from streptomyces antibioticus2 involved in oleandomycin biosynthesis: functional analysis and3 crystallographic structure in complex with clotrimazole.
69	c2c6hB_	Alignment	not modelled	100.0	32 PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: crystal structure of yc-17-bound cytochrome p450 pikc2 (cyp107I1)
70	c4z5pB_	Alignment	not modelled	100.0	27 PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of the lma cytochrome p450 hydroxylase from the2 leinamycin biosynthetic pathway of streptomyces atroolivaceus s-1403 at 1.9 a resolution
71	c6hqwb_	Alignment	not modelled	100.0	29 PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
72	c3tywC_	Alignment	not modelled	100.0	25 PDB header: oxidoreductase Chain: C: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cyp105n1 from streptomyces coelicolor a3(2)
73	c2zbxA_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450-su1; PDBTitle: crystal structure of vitamin d hydroxylase cytochrome p4502 105a1 (wild type) with imidazole bound
74	c3abbA_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of cyp105d6
75	c5ofqD_	Alignment	not modelled	100.0	26 PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate-free cyp109a2 from bacillus megaterium
76	c6f0bA_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: cytochrome p450 txtc employs substrate conformational switching for2 sequential aliphatic and aromatic thaxtomin hydroxylation
77	c6g5gA_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the structure of a carbohydrate active p450
78	d1jfbA_	Alignment	not modelled	100.0	21 Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
79	c2dkkA_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure/function studies of cytochrome p450 158a1

						from streptomyces2 coelicolor a3(2)
80	c4ubsA_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: pentalenic acid synthase; PDBTitle: the crystal structure of cytochrome p450 105d7 from streptomyces2 avermitilis in complex with diclofenac
81	c4ggvA_	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 superfamily protein; PDBTitle: crystal structure of hmtt involved in himastatin biosynthesis
82	d1io7a_	Alignment	not modelled	100.0	23	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
83	c4oqrA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: cyp105as1; PDBTitle: structure of a cyp105as1 mutant in complex with compactin
84	c6m7IA_	Alignment	not modelled	100.0	25	PDB header: biosynthetic protein Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: complex of oxa with the x-domain from gpa biosynthesis
85	c3o1aA_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: oxy protein; PDBTitle: structure of oxye (cyp165d3), a cytochrome p450 involved in2 teicoplanin biosynthesis
86	c4rm4A_	Alignment	not modelled	100.0	26	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of the versatile cytochrome p450 enzyme cyp109b12 from bacillus subtilis
87	c2y46B_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: B: PDB Molecule: p-450-like protein; PDBTitle: structure of the mixed-function p450 mycg in complex with mycinamicin2 iv in c 2 2 21 space group
88	c4jbtB_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase/substrate Chain: B: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: the 2.2 a crystal structure of cyp154c5 from nocardia farcinica in2 complex with androstenedione
89	c5cjeA_	Alignment	not modelled	100.0	32	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: structure of cyp107I2
90	d1n40a_	Alignment	not modelled	100.0	25	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
91	c4wpzA_	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp107w1 from streptomyces2 avermitilis
92	d1odoa_	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
93	c3oo3A_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: oxy protein; PDBTitle: crystal structure of the orf6* (cyp165d3) monooxygenase involved in2 teicoplanin biosynthesis
94	c5nwsA_	Alignment	not modelled	100.0	26	PDB header: biosynthetic protein Chain: A: PDB Molecule: saacmm; PDBTitle: crystal structure of saacmm involved in actinomycin biosynthesis
95	d1ue8a_	Alignment	not modelled	100.0	23	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
96	c5ysmA_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure analysis of rif16
97	c5vwsA_	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: ligand free structure of cytochrome p450 tbtj1
98	c4z5qA_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of the lnmz cytochrome p450 hydroxylase from the2 leinamycin biosynthetic pathway of streptomyces atroolivaceus s-1403 at 1.8 a resolution
99	c4I54A_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: terminal olefin-forming fatty acid decarboxylase; PDBTitle: structure of cytochrome p450 olet, ligand-free
100	c2rfcB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: ligand bound (4-phenylimidazole) crystal structure of a2 cytochrome p450 from the thermoacidophilic archaeon3 picrophilus torridus
101	c3awmA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty acid alpha-hydroxylase; PDBTitle: cytochrome p450sp alpha (cyp152b1) wild-type with palmitic acid
102	c6fyjA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty-acid peroxygenase; PDBTitle: cytochrome p450 peroxygenase cyp152k6 in complex with myristic acid
103	d1izoa_	Alignment	not modelled	100.0	14	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
104	c2x2nB_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B: PDB Molecule: lanosterol 14-alpha-demethylase; PDBTitle: x-ray structure of cyp51 from trypanosoma brucei in complex2 with posaconazole in two different conformations
105	c5yhjB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450ex alpha (cyp152n1) wild-type with

						myristic acid
106	c2iagA	Alignment	not modelled	100.0	13	PDB header: isomerase Chain: A: PDB Molecule: prostacyclin synthase; PDBTitle: crystal structure of human prostacyclin synthase
107	c2rchA	Alignment	not modelled	100.0	18	PDB header: lyase Chain: A: PDB Molecule: cytochrome p450 74a; PDBTitle: crystal structure of arabidopsis thaliana allene oxide synthase (aos,2 cytochrome p450 74a, cyp74a) complexed with 13(s)-hod at 1.85 a3 resolution
108	c3b99B	Alignment	not modelled	100.0	16	PDB header: isomerase Chain: B: PDB Molecule: prostaglandin i2 synthase; PDBTitle: crystal structure of zebrafish prostacyclin synthase (cytochrome p4502 8a1) in complex with substrate analog u51605
109	c3danA	Alignment	not modelled	100.0	15	PDB header: lyase Chain: A: PDB Molecule: cytochrome p450 74a2; PDBTitle: crystal structure of allene oxide synthase
110	c6a18A	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 90b1; PDBTitle: crystal structure of cyp90b1 in complex with 1,6-hexandiol
111	d1n97a	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
112	c3hf2A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: bifunctional p-450/nadph-p450 reductase; PDBTitle: crystal structure of the i401p mutant of cytochrome p450 bm3
113	c3juvA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: crystal structure of human lanosterol 14alpha-demethylase (cyp51)
114	c4lxjA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: saccharomyces cerevisiae lanosterol 14-alpha demethylase with2 lanosterol bound
115	c3daxB	Alignment	not modelled	100.0	13	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 7a1; PDBTitle: crystal structure of human cyp7a1
116	c3na0B	Alignment	not modelled	100.0	15	PDB header: oxidoreductase, electron transport Chain: B: PDB Molecule: cholesterol side-chain cleavage enzyme, mitochondrial; PDBTitle: crystal structure of human cyp11a1 in complex with 20,22-2 dihydroxycholesterol
117	c3e4eA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2e1; PDBTitle: human cytochrome p450 2e1 in complex with the inhibitor 4-2 methylpyrazole
118	c2q9fA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 46a1; PDBTitle: crystal structure of human cytochrome p450 46a1 in complex with2 cholesterol-3-sulphate
119	c3k9vB	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: 1,25-dihydroxyvitamin d(3) 24-hydroxylase, mitochondrial; PDBTitle: crystal structure of rat mitochondrial p450 24a1 s57d in complex with2 chaps
120	c2ve3A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 120; PDBTitle: retinoic acid bound cyanobacterial cyp120a1