

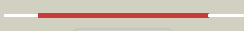





















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0778_cyp126_871434_872678
Date	Fri Jul 26 01:50:36 BST 2019
Unique Job ID	2843e4975c387142

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5li8A_	 Alignment		100.0	99	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 126; PDBTitle: crystal structure of mycobacterium tuberculosis cyp126a1 in complex2 with ketoconazole
2	c4I0eA_	 Alignment		100.0	29	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	c5fyfA_	 Alignment		100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp153a from marinobacter aquaeolei
4	c6hqdB_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from pseudomonas sp. 19-rlim
5	c3mgxB_	 Alignment		100.0	30	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
6	c2wivA_	 Alignment		100.0	27	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450-like protein xpla; PDBTitle: cytochrome-p450 xpla heme domain p21
7	c2xkrA_	 Alignment		100.0	33	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 142; PDBTitle: crystal structure of mycobacterium tuberculosis cyp142: a novel 2 cholesterol oxidase
8	c6bldA_	 Alignment		100.0	38	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 268a2 cyp268a2; PDBTitle: mycobacterium marinum cytochrome p450 cyp268a2 in complex with 2 pseudoionone
9	c3bujA_	 Alignment		100.0	27	PDB header: metal binding protein Chain: A: PDB Molecule: calo2; PDBTitle: crystal structure of calo2
10	c3rwlA_	 Alignment		100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 alkane hydroxylase 1 cyp153a7; PDBTitle: structure of p450pyr hydroxylase
11	c5hdiA_	 Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 144; PDBTitle: structural characterization of cyp144a1, a mycobacterium tuberculosis2 cytochrome p450

12	c6hqwA_	Alignment		100.0	33	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
13	c5h1zA_	Alignment		100.0	32	PDB header: hydrolase Chain: A: PDB Molecule: putative cyp alkane hydroxylase cyp153d17; PDBTitle: cyp153d17 from sphingomonas sp. pamc 26605
14	d1q5da_	Alignment		100.0	24	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
15	c3tktA_	Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cyp108d1 from novosphingobium aromaticivorans2 dsm12444
16	c2uvnB_	Alignment		100.0	30	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 130; PDBTitle: crystal structure of econazole-bound cyp130 from mycobacterium2 tuberculosis
17	c3p3oA_	Alignment		100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of the cytochrome p450 monooxygenase aurh (ntermii)2 from streptomyces thioluteus
18	c2fr7A_	Alignment		100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp199a2
19	c3ivyA_	Alignment		100.0	35	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp125; PDBTitle: crystal structure of mycobacterium tuberculosis cytochrome p4502 cyp125, p212121 crystal form
20	c6giiA_	Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of tepidiphilus thermophilus p450 heme domain
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 celluloseum so ce56
22	d1cpta_	Alignment	not modelled	100.0	30	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
23	c2wm5A_	Alignment	not modelled	100.0	37	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 124; PDBTitle: x-ray structure of the substrate-free mycobacterium tuberculosis2 cytochrome p450 cyp124
24	c2z3tD_	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate free cytochrome p450 stap2 (cyp245a1)
25	c5foiB_	Alignment	not modelled	100.0	31	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
26	c5gweB_	Alignment	not modelled	100.0	24	PDB header: electron transport Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450 crej
27	d1re9a_	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
28	c3lxiB_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d1

29	c3a4hA	Alignment	not modelled	100.0	33	PDB header: oxidoreductase Chain: A: PDB Molecule: vitamin d hydroxylase; PDBTitle: structure of cytochrome p450 vdh from pseudonocardia autotrophica2 (orthorhombic crystal form)
30	c6hqgB	Alignment	not modelled	100.0	33	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from phenylobacterium zucineum
31	c3nv6A	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d2
32	c5livC	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: C: PDB Molecule: cytochrome p450 cyp260a1,cytochrome p450 cyp260a1; PDBTitle: crystal structure of myxobacterial cyp260a1
33	c2z36A	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 type compactin 3",4"- PDBTitle: crystal structure of cytochrome p450 moxa from nonomuraea2 recticataena (cyp105)
34	c3r9cA	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 164a2; PDBTitle: crystal structure of mycobacterium smegmatis cyp164a2 with econazole2 bound
35	c5hh3C	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: C: PDB Molecule: oxya protein; PDBTitle: oxa from actinoplanes teichomyceticus
36	c4dxyA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structures of cyp101d2 y96a mutant
37	c5kyoD	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: D: PDB Molecule: cyp101j2; PDBTitle: crystal structure of cyp101j2
38	c5ncbA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of amycolatopsis cytochrome p450 gcoa in complex2 with guaicol.
39	c4l36B	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: B: PDB Molecule: putative p450-like protein; PDBTitle: crystal structure of the cytochrome p450 enzyme txte
40	c4mm0B	Alignment	not modelled	100.0	30	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
41	c6gmfA	Alignment	not modelled	100.0	33	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: structure of cytochrome p450 cyp109q5 from chondromyces apiculatus
42	c1t2bA	Alignment	not modelled	100.0	28	PDB header: unknown function Chain: A: PDB Molecule: p450cin; PDBTitle: crystal structure of cytochrome p450cin complexed with its2 substrate 1,8-cineole
43	c3ejdD	Alignment	not modelled	100.0	30	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
44	c6g71A	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp1232a24 from arthrobacter sp.
45	c2xbkA	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: pimd protein; PDBTitle: x-ray structure of the substrate-bound cytochrome p450 pimd - a2 polyene macrolide antibiotic pimaricin epoxidase
46	d1lfka	Alignment	not modelled	100.0	31	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
47	c4yzaA	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: polyketide biosynthesis cytochrome p450 pkss; PDBTitle: bacillus subtilis 168 bacillaene polyketide synthase (pks) cytochrome2 p450 pkss
48	c3tywC	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: C: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cyp105n1 from streptomyces coelicolor a3(2)
49	c3e5kA	Alignment	not modelled	100.0	33	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 (cytochrome p450 hydroxylase); PDBTitle: crystal structure of cyp105p1 wild-type 4-phenylimidazole complex
50	d1ueda	Alignment	not modelled	100.0	28	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
51	c4xe3B	Alignment	not modelled	100.0	29	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.
52	c3nc7A	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cypx; PDBTitle: cyp134a1 2-phenylimidazole bound structure
53	c4e2pA	Alignment	not modelled	100.0	34	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 107b1 (p450cviib1); PDBTitle: crystal structure of a post-tailoring hydroxylase (hmtn) involved in2 the himastatin biosynthesis
						PDB header: oxidoreductase

54	c3wvsA	Alignment	not modelled	100.0	31	Chain: A: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of cytochrome p450revi
55	c2zbxA	Alignment	not modelled	100.0	29	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
56	d1z8oa1	Alignment	not modelled	100.0	33	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
57	c2dkkA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure/function studies of cytochrome p450 158a1 from streptomyces2 coelicolor a3(2)
58	c4z5pB	Alignment	not modelled	100.0	36	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
59	c2jjoA	Alignment	not modelled	100.0	34	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 113a1; PDBTitle: structure of cytochrome p450 eryk in complex with its2 natural substrate erd
60	d1s1fa	Alignment	not modelled	100.0	28	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
61	c5I90B	Alignment	not modelled	100.0	28	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
62	c2c6hB	Alignment	not modelled	100.0	33	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: crystal structure of yc-17-bound cytochrome p450 pikc2 (cyp107l1)
63	c3abbA	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of cyp105d6
64	c6b11B	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: B: PDB Molecule: 20-oxo-5-o-mycaminosyltylactone 23-monooxygenase; PDBTitle: tylhi in complex with native substrate 23-deoxy-5-o-mycaminosyl-2 tyronolide (23-dmtl)
65	c5z9jA	Alignment	not modelled	100.0	31	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	c4yt3B	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450(meg); PDBTitle: cyp106a2
67	c3ofuE	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: E: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp101c1
68	c4ubsA	Alignment	not modelled	100.0	30	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
69	c5hiwA	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrom e p450 cyp260b1; PDBTitle: sorangium celluloso2 so ce56 cytochrome p450 260b1
70	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
71	c5ofqD	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate-free cyp109a2 from bacillus megaterium
72	c3wecA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of p450 raua (cyp1050a1) complexed with a biosynthetic2 intermediate of aurachin re
73	d1jfbA	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
74	c6f0bA	Alignment	not modelled	100.0	27	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
75	c2y46B	Alignment	not modelled	100.0	34	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
76	c6g5qA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the structure of a carbohydrate active p450
77	c4tvfA	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: oxyb; PDBTitle: oxyb from actinoplanes teichomyceticus
78	d1gwia	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
79	c4rm4A	Alignment	not modelled	100.0	33	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of the versatile cytochrome p450 enzyme cyp109b12 from bacillus subtilis

80	c5y1iA_	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of gfsf
81	c5l1sA_	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: pentalenolactone synthase; PDBTitle: x-ray structure of f232l mutant of cytochrome p450 pntm with2 pentalenolactone f
82	c5cjeA_	Alignment	not modelled	100.0	34	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: structure of cyp107l2
83	d1odoa_	Alignment	not modelled	100.0	31	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
84	c6m7lA_	Alignment	not modelled	100.0	34	PDB header: biosynthetic protein Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: complex of oxa with the x-domain from gpa biosynthesis
85	c4ggvA_	Alignment	not modelled	100.0	32	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 superfamily protein; PDBTitle: crystal structure of hmtt involved in himastatin biosynthesis
86	c3o1aA_	Alignment	not modelled	100.0	32	PDB header: oxidoreductase Chain: A: PDB Molecule: oxy protein; PDBTitle: structure of oxe (cyp165d3), a cytochrome p450 involved in2 teicoplanin biosynthesis
87	d1io7a_	Alignment	not modelled	100.0	32	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
88	c4wpzA_	Alignment	not modelled	100.0	35	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp107w1 from streptomyces2 avermitilis
89	d1n40a_	Alignment	not modelled	100.0	25	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
90	c5nwsA_	Alignment	not modelled	100.0	32	PDB header: biosynthetic protein Chain: A: PDB Molecule: saacmm; PDBTitle: crystal structure of saacmm involved in actinomycin biosynthesis
91	c4jbtB_	Alignment	not modelled	100.0	28	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
92	c5vwsA_	Alignment	not modelled	100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: ligand free structure of cytochrome p450 tbtj1
93	c5ysmA_	Alignment	not modelled	100.0	34	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure analysis of rif16
94	c4oqrA_	Alignment	not modelled	100.0	33	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: cyp105as1; PDBTitle: structure of a cyp105as1 mutant in complex with compactin
95	c6hqwb_	Alignment	not modelled	100.0	42	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
96	c3oo3A_	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: oxy protein; PDBTitle: crystal structure of the orf6* (cyp165d3) monooxygenase involved in2 teicoplanin biosynthesis
97	d1ue8a_	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
98	c4l54A_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: terminal olefin-forming fatty acid decarboxylase; PDBTitle: structure of cytochrome p450 olet, ligand-free
99	c4z5qA_	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of the lmz cytochrome p450 hydroxylase from the2 leinamycin biosynthetic pathway of streptomyces atroolivaceus s-1403 at 1.8 a resolution
100	c6fyjA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty-acid peroxygenase; PDBTitle: cytochrome p450 peroxygenase cyp152k6 in complex with myristic acid
101	c3awmA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty acid alpha-hydroxylase; PDBTitle: cytochrome p450sp alpha (cyp152b1) wild-type with palmitic acid
102	d1izoa_	Alignment	not modelled	100.0	15	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
103	c2x2nB_	Alignment	not modelled	100.0	14	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
104	c2rfcB_	Alignment	not modelled	100.0	26	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
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	c6a18A	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 90b1; PDBTitle: crystal structure of cyp90b1 in complex with 1,6-hexandiol
107	c3juvA	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: crystal structure of human lanosterol 14alpha-demethylase (cyp51)
108	c2rchA	Alignment	not modelled	100.0	14	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
109	c2iagA	Alignment	not modelled	100.0	15	PDB header: isomerase Chain: A: PDB Molecule: prostacyclin synthase; PDBTitle: crystal structure of human prostacyclin synthase
110	c2ve3A	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 120; PDBTitle: retinoic acid bound cyanobacterial cyp120a1
111	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
112	c6mcwA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 51; PDBTitle: crystal structure of the p450 domain of the cyp51-ferredoxin fusion2 protein from methylococcus capsulatus, complex with the detergent3 anapoe-x-114
113	c3na0B	Alignment	not modelled	100.0	16	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
114	c6n6qC	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: C: PDB Molecule: cytochrome p450 (cyp102l1); PDBTitle: crystal structure of a cytochrome p450 (cyp102l1)
115	c5t6qA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 4b1; PDBTitle: structure of cytochrome p450 4b1 (cyp4b1) complexed with octane: an n-2 alkane and fatty acid omega-hydroxylase with a covalently bound heme
116	c5fsaA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cyp51 variant1; PDBTitle: crystal structure of sterol 14-alpha demethylase (cyp51) from a2 pathogenic yeast candida albicans in complex with the antifungal drug3 posaconazole
117	c3daxB	Alignment	not modelled	100.0	13	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 7a1; PDBTitle: crystal structure of human cyp7a1
118	c3danA	Alignment	not modelled	100.0	13	PDB header: lyase Chain: A: PDB Molecule: cytochrome p450 74a2; PDBTitle: crystal structure of allene oxide synthase
119	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
120	c2q9fA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 46a1; PDBTitle: crystal structure of human cytochrome p450 46a1 in complex with2 cholesterol-3-sulphate