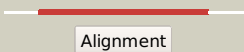

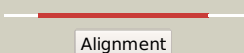

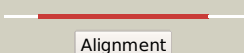

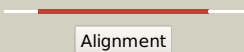





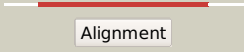

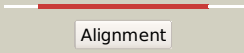



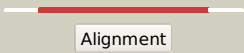

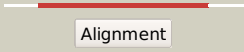




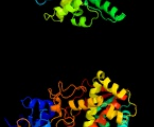







Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3059_(cyp136)_3419489_3420967
Date	Thu Aug 8 16:20:23 BST 2019
Unique Job ID	88a65c1af8f466a8

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2x2nB_	 Alignment		100.0	21	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
2	c4lxjA_	 Alignment		100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: saccharomyces cerevisiae lanosterol 14-alpha demethylase with2 lanosterol bound
3	c6a18A_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450 90b1; PDBTitle: crystal structure of cyp90b1 in complex with 1,6-hexandiol
4	d1tqna_	 Alignment		100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
5	c2ve3A_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: putative cytochrome p450 120; PDBTitle: retinoic acid bound cyanobacterial cyp120a1
6	c3e4eA_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450 2e1; PDBTitle: human cytochrome p450 2e1 in complex with the inhibitor 4-2 methylpyrazole
7	c3juvA_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: crystal structure of human lanosterol 14alpha-demethylase (cyp51)
8	c5fsaA_	 Alignment		100.0	19	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
9	c3na0B_	 Alignment		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
10	c6mcwA_	 Alignment		100.0	27	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
11	d1r9oa_	 Alignment		100.0	15	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450

12	c5t6qA_	Alignment		100.0	21	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
13	d1nr6a_	Alignment		100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
14	c2iagA_	Alignment		100.0	16	PDB header: isomerase Chain: A: PDB Molecule: prostacyclin synthase; PDBTitle: crystal structure of human prostacyclin synthase
15	c3g1qC_	Alignment		100.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: sterol 14-alpha-demethylase; PDBTitle: crystal structure of sterol 14-alpha demethylase (cyp51) from <i>Trypanosoma brucei</i> in ligand free state
16	d1po5a_	Alignment		100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
17	d3czha1	Alignment		100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
18	c3k9vB_	Alignment		100.0	18	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 with 2 chaps
19	c2hi4A_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 1a2; PDBTitle: crystal structure of human microsomal p450 1a2 in complex with alpha-2 naphthoflavone
20	c3ebsA_	Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2a6; PDBTitle: human cytochrome p450 2a6 i208s/i300f/g301a/s369g in complex with phenacetin
21	c5ylwA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: ferruginol synthase; PDBTitle: cyp76ah1 from <i>Salvia miltiorrhiza</i>
22	d2nnja1	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
23	c6fyjA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty-acid peroxygenase; PDBTitle: cytochrome p450 peroxygenase cyp152k6 in complex with myristic acid
24	c3daxB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 7a1; PDBTitle: crystal structure of human cyp7a1
25	d2ij2a1	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
26	c6b82B_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450, family 17, subfamily a, polypeptide 1; PDBTitle: zebra fish cyp-450 17a1 mutant abiraterone complex
27	c3hf2A_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: bifunctional p-450/nadph-p450 reductase; PDBTitle: crystal structure of the i401p mutant of cytochrome p450 bm3
28	c4fdhA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: cytochrome p450 11b2, mitochondrial; PDBTitle: structure of human aldosterone synthase, cyp11b2, in complex with 2 fadrozole
29	d2ciba1	Alignment	not modelled	100.0	25	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450

30	c4l54A_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: terminal olefin-forming fatty acid decarboxylase; PDBTitle: structure of cytochrome p450 olet, ligand-free
31	c5tl8A_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: protein cyp51; PDBTitle: naegleria fowleri cyp51-posaconazole complex
32	c3rukD_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: D: PDB Molecule: steroid 17-alpha-hydroxylase/17,20 lyase; PDBTitle: human cytochrome p450 cyp17a1 in complex with abiraterone
33	c3el3A_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: distinct monooxygenase and farnesene synthase active sites2 in cytochrome p450 170a1
34	d1lzoa_	Alignment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
35	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
36	c2f9qA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2d6; PDBTitle: crystal structure of human cytochrome p450 2d6
37	c3danA_	Alignment	not modelled	100.0	13	PDB header: lyase Chain: A: PDB Molecule: cytochrome p450 74a2; PDBTitle: crystal structure of allene oxide synthase
38	c5yhjB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450ex alpha (cyp152n1) wild-type with myristic acid
39	c5fyfA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp153a from marinobacter aquaeolei
40	c2q9fA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 46a1; PDBTitle: crystal structure of human cytochrome p450 46a1 in complex with2 cholesterol-3-sulphate
41	c6n6qC_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: C: PDB Molecule: cytochrome p450 (cyp102l1); PDBTitle: crystal structure of a cytochrome p450 (cyp102l1)
42	c3eqmA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 19a1; PDBTitle: crystal structure of human placental aromatase cytochrome p450 in2 complex with androstenedione
43	c2z36A_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 type compactin 3",4"- PDBTitle: crystal structure of cytochrome p450 moxa from nonomuraea2 recticataena (cyp105)
44	c3a4hA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: vitamin d hydroxylase; PDBTitle: structure of cytochrome p450 vdh from pseudonocardia autotrophica2 (orthorhombic crystal form)
45	c3lxiB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d1
46	c3pm0A_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 1b1; PDBTitle: structural characterization of the complex between alpha-2 naphthoflavone and human cytochrome p450 1b1 (cyp1b1)
47	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
48	c2zbxA_	Alignment	not modelled	100.0	19	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
49	c4l0eA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: p450 monooxygenase; PDBTitle: structure of p450sky (cyp163b3), a cytochrome p450 from skyllamycin2 biosynthesis (heme-coordinated expression tag)
50	c3qz1D_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: steroid 21-hydroxylase; PDBTitle: crystal structure of bovine steroid of 21-hydroxylase (p450c21)
51	c3b99B_	Alignment	not modelled	100.0	18	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
52	c4uyfB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: 14-alpha sterol demethylase; PDBTitle: crystal structure of sterol 14-alpha demethylase (cyp51b) from a2 pathogenic filamentous fungus aspergillus fumigatus in complex3 with vni
53	c3bujA_	Alignment	not modelled	100.0	20	PDB header: metal binding protein Chain: A: PDB Molecule: calo2; PDBTitle: crystal structure of calo2
54	d1re9a_	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
55	c2wivA_	Alignment	not modelled	100.0	18	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450-like protein xpla; PDBTitle: cytochrome-p450 xpla heme domain p21

56	c3tktA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cyp108d1 from novosphingobium aromaticivorans2 dsm12444
57	c4r21B	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 family 17 polypeptide 2; PDBTitle: zebra fish cytochrome p450 17a2 with progesterone
58	c2fr7A	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp199a2
59	c4z5pB	Alignment	not modelled	100.0	22	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
60	c5ncbA	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of amycolatopsis cytochrome p450 gcoa in complex2 with guaiacol.
61	c2c6hB	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: crystal structure of yc-17-bound cytochrome p450 pikc2 (cyp107l1)
62	c4dxyA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structures of cyp101d2 y96a mutant
63	d1cpta	Alignment	not modelled	100.0	20	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
64	c5nwsA	Alignment	not modelled	100.0	23	PDB header: biosynthetic protein Chain: A: PDB Molecule: saacmm; PDBTitle: crystal structure of saacmm involved in actinomycin biosynthesis
65	c6gk5A	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp267b1 protein; PDBTitle: crystal structure of cytochrome p450 cyp267b1 from sorangium2 cellulose so ce56
66	c4yzzrA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: polyketide biosynthesis cytochrome p450 pkss; PDBTitle: bacillus subtilis 168 bacillaene polyketide synthase (pks) cytochrome2 p450 pkss
67	d1z8oa1	Alignment	not modelled	100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
68	c4jbtB	Alignment	not modelled	100.0	24	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
69	c2jjoA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 113a1; PDBTitle: structure of cytochrome p450 eryk in complex with its2 natural substrate erd
70	c2wm5A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 124; PDBTitle: x-ray structure of the substrate-free mycobacterium tuberculosis2 cytochrome p450 cyp124
71	c3tywC	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cyp105n1 from streptomyces coelicolor a3(2)
72	c4xe3B	Alignment	not modelled	100.0	19	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.
73	c5foiB	Alignment	not modelled	100.0	18	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
74	c3abbA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of cyp105d6
75	c6hqdB	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from pseudomonas sp. 19-rlim
76	c2y46B	Alignment	not modelled	100.0	20	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
77	c2xkrA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 142; PDBTitle: crystal structure of mycobacterium tuberculosis cyp142: a novel2 cholesterol oxidase
78	c5l1sA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: pentalenolactone synthase; PDBTitle: x-ray structure of f232l mutant of cytochrome p450 pntm with2 pentalenolactone f
79	c5y1iA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of gfsf
80	c3ejdD	Alignment	not modelled	100.0	19	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
81	c3wvsA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of cytochrome p450revi
82	c2z3tD	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate free cytochrome p450 stap2 (cyp245a1)
83	d1odoa	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
84	c2dkkA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure/function studies of cytochrome p450 158a1 from streptomyces2 coelicolor a3(2)
85	c1t2bA	Alignment	not modelled	100.0	18	PDB header: unknown function Chain: A: PDB Molecule: p450cin; PDBTitle: crystal structure of cytochrome p450cin complexed with its2 substrate 1,8-cineole
86	d1q5da	Alignment	not modelled	100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
87	c2xbkA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: pimd protein; PDBTitle: x-ray structure of the substrate-bound cytochrome p450 pimd - a2 polyene macrolide antibiotic pimarinin epoxidase
88	c3e5kA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 (cytochrome p450 hydroxylase); PDBTitle: crystal structure of cyp105p1 wild-type 4-phenylimidazole complex
89	c4mm0B	Alignment	not modelled	100.0	20	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
90	d1s1fa	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
91	c3mgxB	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: putative p450 monooxygenase; PDBTitle: crystal structure of p450 oxyd that is involved in the biosynthesis of2 vancomycin-type antibiotics
92	c3nv6A	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d2
93	c6b11B	Alignment	not modelled	100.0	17	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 tylonolide (23-dmtl)
94	c5hdiA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 144; PDBTitle: structural characterization of cyp144a1, a mycobacterium tuberculosis2 cytochrome p450
95	c6g71A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp1232a24 from arthrobacter sp.
96	c5i90B	Alignment	not modelled	100.0	21	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
97	d1gwia	Alignment	not modelled	100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
98	c3nc7A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cypx; PDBTitle: cyp134a1 2-phenylimidazole bound structure
99	c4ubsA	Alignment	not modelled	100.0	19	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
100	c3rwlA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 alkane hydroxylase 1 cyp153a7; PDBTitle: structure of p450pyr hydroxylase
101	c6giiA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of tepidiphilus thermophilus p450 heme domain
102	c5li8A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 126; PDBTitle: crystal structure of mycobacterium tuberculosis cyp126a1 in complex2 with ketoconazole
103	c3r9cA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 164a2; PDBTitle: crystal structure of mycobacterium smegmatis cyp164a2 with econazole2 bound
104	c4r1zB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: cyp17a1 protein; PDBTitle: zebra fish cytochrome p450 17a1 with abiraterone
105	c5ofqD	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate-free cyp109a2 from bacillus megaterium
106	d1jfa	Alianment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450

						Family: Cytochrome P450
107	c4oqrA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: cyp105as1; PDBTitle: structure of a cyp105as1 mutant in complex with compactin
108	c6f0bA_	Alignment	not modelled	100.0	17	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
109	c2uvvB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 130; PDBTitle: crystal structure of econazole-bound cyp130 from mycobacterium2 tuberculosis
110	d1lfka_	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
111	c5h1zA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: putative cyp alkane hydroxylase cyp153d17; PDBTitle: cyp153d17 from sphingomonas sp. pamc 26605
112	c3p3oA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of the cytochrome p450 monooxygenase aurh (ntermii)2 from streptomyces thioluteus
113	c3dbgA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 170a1 (cyp170a1) from2 streptomyces coelicolor
114	c5hh3C_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: oxya protein; PDBTitle: oxa from actinoplanes teichomyceticus
115	d1n97a_	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
116	c6dcdA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 150a6 cyp150a6; PDBTitle: mycobacterium marinum cytochrome p450 cyp150a6 in the substrate-free2 form
117	c6hqwA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
118	c6bldA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 268a2 cyp268a2; PDBTitle: mycobacterium marinum cytochrome p450 cyp268a2 in complex with2 pseudoionone
119	c4ggvA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 superfamily protein; PDBTitle: crystal structure of hmtt involved in himastatin biosynthesis
120	c4e2pA_	Alignment	not modelled	100.0	21	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