




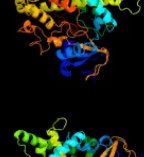
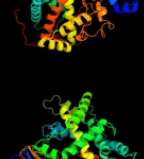
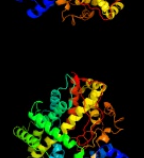
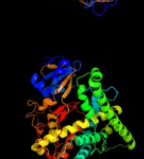

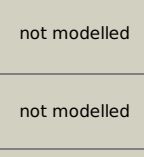


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0327c_cyp135A1_392696_394045
Date	Tue Jul 23 14:50:39 BST 2019
Unique Job ID	9b1bcdddba10a974

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2x2nB_	 Alignment		100.0	18	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	c6mcwA_	 Alignment		100.0	22	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
3	d1nr6a_	 Alignment		100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
4	d1tqna_	 Alignment		100.0	24	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
5	d1r9oa_	 Alignment		100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
6	c6a18A_	 Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 90b1; PDBTitle: crystal structure of cyp90b1 in complex with 1,6-hexandiol
7	d1po5a_	 Alignment		100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
8	d3czha1	 Alignment		100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
9	c6fyjA_	 Alignment		100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty-acid peroxygenase; PDBTitle: cytochrome p450 peroxygenase cyp152k6 in complex with myristic acid
10	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) from2 trypanosoma brucei in ligand free state
11	c5fsaA_	 Alignment		100.0	22	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

12	c2ve3A_	Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 120; PDBTitle: retinoic acid bound cyanobacterial cyp120a1
13	c2hi4A_	Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 1a2; PDBTitle: crystal structure of human microsomal p450 1a2 in complex with alpha-2 naphthoflavone
14	c3daxB_	Alignment		100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 7a1; PDBTitle: crystal structure of human cyp7a1
15	c3ebsA_	Alignment		100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2a6; PDBTitle: human cytochrome p450 2a6 i208s/i300f/g301a/s369g in complex2 with phenacetin
16	c4lxjA_	Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: saccharomyces cerevisiae lanosterol 14-alpha demethylase with2 lanosterol bound
17	c3e4eA_	Alignment		100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2e1; PDBTitle: human cytochrome p450 2e1 in complex with the inhibitor 4-2 methylpyrazole
18	d2nnja1	Alignment		100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
19	c3na0B_	Alignment		100.0	18	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
20	c5ylwA_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: ferruginol synthase; PDBTitle: cyp76ah1 from salvia miltiorrhiza
21	c3juvA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: crystal structure of human lanosterol 14alpha-demethylase (cyp51)
22	d1izoa_	Alignment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
23	c6b82B_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450, family 17, subfamily a, polypeptide 1; PDBTitle: zebra fish cyp-450 17a1 mutant abiraterone complex
24	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
25	c2iagA_	Alignment	not modelled	100.0	18	PDB header: isomerase Chain: A: PDB Molecule: prostacyclin synthase; PDBTitle: crystal structure of human prostacyclin synthase
26	d2ij2a1	Alignment	not modelled	100.0	23	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
27	c3k9vB_	Alignment	not modelled	100.0	20	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
28	c5t6qA_	Alignment	not modelled	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
29	c5tl8A_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: protein cyp51; PDBTitle: naegleria fowleri cyp51-posaconazole complex
30	c4fdhA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: cytochrome p450 11b2, mitochondrial; PDBTitle: structure of human aldosterone synthase, cyp11b2, in complex with2 fadrozole
31	c2f9qA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2d6; PDBTitle: crystal structure of human cytochrome p450 2d6
32	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
33	c3hf2A_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: bifunctional p-450/nadph-p450 reductase; PDBTitle: crystal structure of the i401p mutant of cytochrome p450 bm3
34	c3pm0A_	Alignment	not modelled	100.0	17	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)
35	c3eqmA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 19a1; PDBTitle: crystal structure of human placental aromatase cytochrome p450 in2 complex with androstenedione
36	c3rukD_	Alignment	not modelled	100.0	18	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
37	c3el3A_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: distinct monooxygenase and farnesene synthase active sites2 in cytochrome p450 170a1
38	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
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	d2ciba1	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
41	c3b99B_	Alignment	not modelled	100.0	17	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
42	c2q9fA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 46a1; PDBTitle: crystal structure of human cytochrome p450 46a1 in complex with2 cholesterol-3-sulphate
43	c6n6qC_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: C: PDB Molecule: cytochrome p450 (cyp102l1); PDBTitle: crystal structure of a cytochrome p450 (cyp102l1)
44	d1re9a_	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
45	c3qz1D_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: D: PDB Molecule: steroid 21-hydroxylase; PDBTitle: crystal structure of bovine steroid of 21-hydroxylase (p450c21)
46	c4r21B_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 family 17 polypeptide 2; PDBTitle: zebra fish cytochrome p450 17a2 with progesterone
47	c4l0eA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: p450 monooxygenase; PDBTitle: structure of p450sky (cyp163b3), a cytochrome p450 from skyllamycin2 biosynthesis (heme-coordinated expression tag)
48	c3a4hA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: vitamin d hydroxylase; PDBTitle: structure of cytochrome p450 vdh from pseudonocardia autotrophica2 (orthorhombic crystal form)
49	c4uyjB_	Alignment	not modelled	100.0	21	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
50	c1t2bA_	Alignment	not modelled	100.0	15	PDB header: unknown function Chain: A: PDB Molecule: p450cin; PDBTitle: crystal structure of cytochrome p450cin complexed with its2 substrate 1,8-cineole
51	c3lxiB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d1
52	c2rchA_	Alignment	not modelled	100.0	13	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
53	c2z36A_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 type compactin 3",4"- PDBTitle: crystal structure of cytochrome p450 moxa from nonomuraea2 recticatena (cyp105)
54	c3bujA_	Alignment	not modelled	100.0	17	PDB header: metal binding protein Chain: A: PDB Molecule: calo2;

						PDBTitle: crystal structure of calo2
55	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
56	d1z8oa1	Alignment	not modelled	100.0	20	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
57	c2wivA	Alignment	not modelled	100.0	15	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450-like protein xpla; PDBTitle: cytochrome-p450 xpla heme domain p21
58	c3rwlA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 alkane hydroxylase 1 cyp153a7; PDBTitle: structure of p450pyr hydroxylase
59	c2jjoA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 113a1; PDBTitle: structure of cytochrome p450 eryk in complex with its2 natural substrate erd
60	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.
61	c2xkrA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 142; PDBTitle: crystal structure of mycobacterium tuberculosis cyp142: a novel2 cholesterol oxidase
62	c3tktA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cyp108d1 from novosphingobium aromaticivorans2 dsm12444
63	c3danA	Alignment	not modelled	100.0	14	PDB header: lyase Chain: A: PDB Molecule: cytochrome p450 74a2; PDBTitle: crystal structure of allene oxide synthase
64	d1cptA	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
65	c6gk5A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp267b1 protein; PDBTitle: crystal structure of cytochrome p450 cyp267b1 from sorangium2 cellulosum so ce56
66	c4jbtB	Alignment	not modelled	100.0	18	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
67	c3abbA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of cyp105d6
68	c4yzaA	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
69	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
70	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
71	c2fr7A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp199a2
72	c3ejdD	Alignment	not modelled	100.0	18	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
73	c5I90B	Alignment	not modelled	100.0	20	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
74	c6hqdB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from pseudomonas sp. 19-rlim
75	c3mgxB	Alignment	not modelled	100.0	19	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
76	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
77	c5nwsA	Alignment	not modelled	100.0	21	PDB header: biosynthetic protein Chain: A: PDB Molecule: saacmm; PDBTitle: crystal structure of saacmm involved in actinomycin biosynthesis
78	c5foiB	Alignment	not modelled	100.0	19	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
79	d1odoa	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450

						Family: Cytochrome P450
80	c2z3tD	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate free cytochrome p450 stap2 (cyp245a1)
81	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
82	c2c6hB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: crystal structure of yc-17-bound cytochrome p450 picc2 (cyp107l1)
83	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
84	c3nv6A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d2
85	d1q5da	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
86	c4yt3B	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450(meg); PDBTitle: cyp106a2
87	d1gwia	Alignment	not modelled	100.0	20	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
88	c5l1sA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: pentalenolactone synthase; PDBTitle: x-ray structure of f232l mutant of cytochrome p450 pntm with2 pentalenolactone f
89	c2uvnB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 130; PDBTitle: crystal structure of econazole-bound cyp130 from mycobacterium2 tuberculosis
90	c3r9cA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 164a2; PDBTitle: crystal structure of mycobacterium smegmatis cyp164a2 with econazole2 bound
91	c3tywC	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: C: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cyp105n1 from streptomyces coelicolor a3(2)
92	c3e5kA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 (cytochrome p450 hydroxylase); PDBTitle: crystal structure of cyp105p1 wild-type 4-phenylimidazole complex
93	c6g71A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp1232a24 from arthrobacter sp.
94	c4ubsA	Alignment	not modelled	100.0	20	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
95	c4z5pB	Alignment	not modelled	100.0	19	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
96	c6hqwA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
97	c4e2pA	Alignment	not modelled	100.0	23	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
98	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)
99	d1jfba	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
100	c5ncbA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of amycolatopsis cytochrome p450 gcoa in complex2 with guaiacol.
101	c5y1iA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of gfsf
102	c5cjeA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: structure of cyp107l2
103	c4dxyA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structures of cyp101d2 y96a mutant
104	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
105	c3n3a	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450;

105	c3p3vA	Alignment	not modelled	100.0	10	PDBTitle: crystal structure of the cytochrome p450 monooxygenase aurh (intermii)2 from streptomyces thioluteus PDB header: oxidoreductase
106	c2wm5A	Alignment	not modelled	100.0	19	Chain: A: PDB Molecule: putative cytochrome p450 124; PDBTitle: x-ray structure of the substrate-free mycobacterium tuberculosis2 cytochrome p450 cyp124
107	c3nc7A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cypx; PDBTitle: cyp134a1 2-phenylimidazole bound structure
108	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
109	c3ofuE	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: E: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp101c1
110	d1lfka	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
111	c6dcdA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 150a6 cyp150a6; PDBTitle: mycobacterium marinum cytochrome p450 cyp150a6 in the substrate-free2 form
112	c3wvsA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of cytochrome p450revi
113	c5z9jA	Alignment	not modelled	100.0	19	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
114	c6gmfA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: structure of cytochrome p450 cyp109q5 from chondromyces apiculatus
115	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
116	d1s1fa	Alignment	not modelled	100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
117	c6b11B	Alignment	not modelled	100.0	20	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 tytonolide (23-dmtl)
118	d1n97a	Alignment	not modelled	100.0	26	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
119	c3dbgA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 170a1 (cyp170a1) from2 streptomyces coelicolor
120	c4ggvA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 superfamily protein; PDBTitle: crystal structure of hmtt involved in himastatin biosynthesis