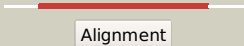

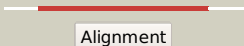

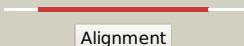







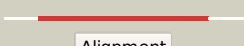
















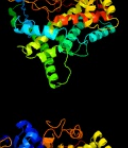
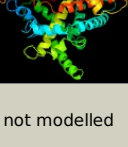


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0764c_cyp51_856685_858040
Date	Fri Jul 26 01:50:34 BST 2019
Unique Job ID	d6f801d61bd51272

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6mcwA_	 Alignment		100.0	48	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
2	c2x2nB_	 Alignment		100.0	26	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
3	c3g1qC_	 Alignment		100.0	26	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
4	c4lxjA_	 Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: saccharomyces cerevisiae lanosterol 14-alpha demethylase with2 lanosterol bound
5	d1tqna_	 Alignment		100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
6	c2ve3A_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 120; PDBTitle: retinoic acid bound cyanobacterial cyp120a1
7	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
8	c5fsaA_	 Alignment		100.0	27	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	c3e4eA_	 Alignment		100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2e1; PDBTitle: human cytochrome p450 2e1 in complex with the inhibitor 4-2 methylpyrazole
10	c6a18A_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 90b1; PDBTitle: crystal structure of cyp90b1 in complex with 1,6-hexandiol
11	c3juvA_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: crystal structure of human lanosterol 14alpha-demethylase (cyp51)

12	d2ciba1	Alignment		100.0	99	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
13	d3czha1	Alignment		100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
14	d1po5a_	Alignment		100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
15	d1nr6a_	Alignment		100.0	12	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
16	d1r9oa_	Alignment		100.0	15	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
17	c6b82B	Alignment		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
18	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
19	c5ylwA	Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: ferruginol synthase; PDBTitle: cyp76ah1 from salvia miltiorrhiza
20	c5tl8A	Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: protein cyp51; PDBTitle: naegleria fowleri cyp51-posaconazole complex
21	d2nnja1	Alignment	not modelled	100.0	14	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
22	c2iagA	Alignment	not modelled	100.0	19	PDB header: isomerase Chain: A: PDB Molecule: prostacyclin synthase; PDBTitle: crystal structure of human prostacyclin synthase
23	d2ij2a1	Alignment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
24	c3rukD	Alignment	not modelled	100.0	15	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
25	c3k9vB	Alignment	not modelled	100.0	15	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
26	c3daxB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 7a1; PDBTitle: crystal structure of human cyp7a1
27	c5t6qA	Alignment	not modelled	100.0	18	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
28	c2f9qA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 2d6; PDBTitle: crystal structure of human cytochrome p450 2d6

29	c3hf2A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: bifunctional p-450/nadph-p450 reductase; PDBTitle: crystal structure of the i401p mutant of cytochrome p450 bm3
30	c4fdhA	Alignment	not modelled	100.0	17	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	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
32	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
33	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
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	15	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 19a1; PDBTitle: crystal structure of human placental aromatase cytochrome p450 in2 complex with androstenedione
36	c4I54A	Alignment	not modelled	100.0	13	PDB header: oxidoreductase Chain: A: PDB Molecule: terminal olefin-forming fatty acid decarboxylase; PDBTitle: structure of cytochrome p450 olet, ligand-free
37	c4uyjB	Alignment	not modelled	100.0	27	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
38	d1lzoa	Alignment	not modelled	100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
39	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)
40	c5yhjB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450ex alpha (cyp152n1) wild-type with myristic acid
41	c2q9fA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 46a1; PDBTitle: crystal structure of human cytochrome p450 46a1 in complex with2 cholesterol-3-sulphate
42	c3b99B	Alignment	not modelled	100.0	20	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
43	c3qz1D	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: D: PDB Molecule: steroid 21-hydroxylase; PDBTitle: crystal structure of bovine steroid of 21-hydroxylase (p450c21)
44	c4r21B	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 family 17 polypeptide 2; PDBTitle: zebra fish cytochrome p450 17a2 with progesterone
45	c5fyfA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp153a from marinobacter aquaeolei
46	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
47	c3awmA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty acid alpha-hydroxylase; PDBTitle: cytochrome p450sp alpha (cyp152b1) wild-type with palmitic acid
48	c3danA	Alignment	not modelled	100.0	13	PDB header: lyase Chain: A: PDB Molecule: cytochrome p450 74a2; PDBTitle: crystal structure of allene oxide synthase
49	c3lxiB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d1
50	d1re9a	Alignment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
51	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)
52	c4I0eA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: p450 monooxygenase; PDBTitle: structure of p450sky (cyp163b3), a cytochrome p450 from skyllamycin2 biosynthesis (heme-coordinated expression tag)
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	c3dhaA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450;

54	c3ubgA	Alignment	not modelled	100.0	23	PDBTitle: crystal structure of cytochrome p450 170a1 (cyp170a1) from 2 streptomyces coelicolor
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	23	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cyp108d1 from novosphingobium aromaticivorans2 dsm12444
57	c3buja	Alignment	not modelled	100.0	20	PDB header: metal binding protein Chain: A; PDB Molecule: calo2; PDBTitle: crystal structure of calo2
58	d1z8oa1	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
59	c4dxYA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: crystal structures of cyp101d2 y96a mutant
60	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 p450bio in complex with hexadec-9z-enoic acid2 ligated acyl carrier protein
61	c4yzaA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: polyketide biosynthesis cytochrome p450 pkss; PDBTitle: bacillus subtilis 168 bacillaene polyketide synthase (pks) cytochrome2 p450 pkss
62	c3rwlA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450 alkane hydroxylase 1 cyp153a7; PDBTitle: structure of p450pyr hydroxylase
63	c6hqdB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from pseudomonas sp. 19-rlim
64	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
65	c4r1zB	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B; PDB Molecule: cyp17a1 protein; PDBTitle: zebra fish cytochrome p450 17a1 with abiraterone
66	c4jbtB	Alignment	not modelled	100.0	20	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	c3nv6A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d2
68	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 cellulosum so ce56
69	c5nwsA	Alignment	not modelled	100.0	19	PDB header: biosynthetic protein Chain: A; PDB Molecule: saacmm; PDBTitle: crystal structure of saacmm involved in actinomycin biosynthesis
70	c2fr7A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp199a2
71	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.
72	c3nc7A	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450 cypx; PDBTitle: cyp134a1 2-phenylimidazole bound structure
73	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
74	d1n97a	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
75	c5l1sA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: pentalenolactone synthase; PDBTitle: x-ray structure of f2321 mutant of cytochrome p450 pntm with2 pentalenolactone f
76	d1cpta	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
77	c2jjoA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450 113a1; PDBTitle: structure of cytochrome p450 eryk in complex with its2 natural substrate erd
78	c5i90B	Alignment	not modelled	100.0	18	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
79	c4xe3B	Alignment	not modelled	100.0	20	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.

80	c4z5pB_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of the lma cytochrome p450 hydroxylase from the 2 leinamycin biosynthetic pathway of streptomyces atroolivaceus s-1403 at 1.9 a resolution
81	c2z3tD_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate free cytochrome p450 stap2 (cyp245a1)
82	c3abbA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of cyp105d6
83	c2c6hB_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: crystal structure of yc-17-bound cytochrome p450 pikc2 (cyp107i1)
84	c3tywC_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: C: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cyp105n1 from streptomyces coelicolor a3(2)
85	c2y46B_	Alignment	not modelled	100.0	18	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
86	c6giiA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of tepidiphilus thermophilus p450 heme domain
87	c5ofqD_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate-free cyp109a2 from bacillus megaterium
88	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
89	d1gwia_	Alignment	not modelled	100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
90	c5cjeA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: structure of cyp107i2
91	d1odoa_	Alignment	not modelled	100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
92	c5h1zA_	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: putative cyp alkane hydroxylase cyp153d17; PDBTitle: cyp153d17 from sphingomonas sp. pamc 26605
93	c2wm5A_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 124; PDBTitle: x-ray structure of the substrate-free mycobacterium tuberculosis2 cytochrome p450 cyp124
94	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
95	c5y1iA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of gfsf
96	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
97	c4ubsA_	Alignment	not modelled	100.0	17	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
98	c6g71A_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp1232a24 from arthrobacter sp.
99	c5li8A_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 126; PDBTitle: crystal structure of mycobacterium tuberculosis cyp126a1 in complex2 with ketoconazole
100	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)
101	d1q5da_	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
102	c1t2bA_	Alignment	not modelled	100.0	19	PDB header: unknown function Chain: A: PDB Molecule: p450cin; PDBTitle: crystal structure of cytochrome p450cin complexed with its2 substrate 1,8-cineole
103	c4yt3B_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450(meg); PDBTitle: cyp106a2
104	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 of 2 vancomycin-type antibiotics
105	c4mm0B_	Alignment	not modelled	100.0	19	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
106	c6hqwA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
107	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
108	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 pimaricin epoxidase
109	c6b11B_	Alignment	not modelled	100.0	20	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 tylosinide (23-dmtl)
110	c2uvnB_	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
111	d1jfba_	Alignment	not modelled	100.0	18	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
112	d1s1fa_	Alignment	not modelled	100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
113	c3ofuE_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: E: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp101c1
114	c6gmfA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: structure of cytochrome p450 cyp109q5 from chondromyces apiculatus
115	c6dcdA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 150a6 cyp150a6; PDBTitle: mycobacterium marinum cytochrome p450 cyp150a6 in the substrate-free2 form
116	c4oqrA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: cyp105as1; PDBTitle: structure of a cyp105as1 mutant in complex with compactin
117	c3ivyA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp125; PDBTitle: crystal structure of mycobacterium tuberculosis cytochrome p4502 cyp125, p212121 crystal form
118	d1lfka_	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
119	c3wvsA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative monoxygenase; PDBTitle: crystal structure of cytochrome p450revi
120	c3p3oA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of the cytochrome p450 monoxygenase aurh (ntermii)2 from streptomyces thioluteus