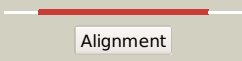



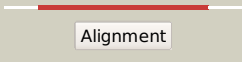





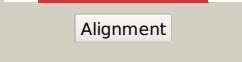

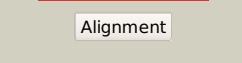

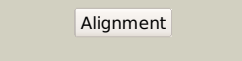

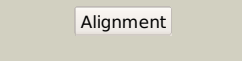

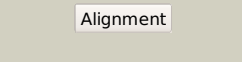

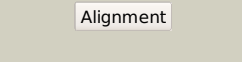





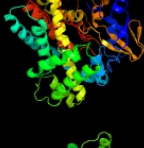






Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3121_(cyp141)_3486506_3487708
Date	Thu Aug 8 16:20:30 BST 2019
Unique Job ID	b2f096eda2707dcf

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4mm0B_			100.0	34	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
2	c4xe3B_			100.0	35	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.
3	c5foiB_			100.0	27	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
4	c2zbxA_			100.0	28	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
5	c2xbkA_			100.0	31	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
6	c2z36A_			100.0	34	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 type compactin 3",4"- PDBTitle: crystal structure of cytochrome p450 moxa from nonomuraea2 recticatena (cyp105)
7	c3e5kA_			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
8	c4z5pB_			100.0	31	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of the lnma cytochrome p450 hydroxylase from the2 leinamycin biosynthetic pathway of streptomyces atroolivaceus s-1403 at 1.9 a resolution
9	c3tywC_			100.0	29	PDB header: oxidoreductase Chain: C: PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cyp105n1 from streptomyces coelicolor a3(2)
10	c3wvsA_			100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of cytochrome p450revi
11	d1jfba_			100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450

12	c3abbA	Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: crystal structure of cyp105d6
13	c6gk5A	Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp267b1 protein; PDBTitle: crystal structure of cytochrome p450 cyp267b1 from sorangium2 cellulosum so ce56
14	c4l0eA	Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: p450 monooxygenase; PDBTitle: structure of p450sky (cyp163b3), a cytochrome p450 from skylamycin2 biosynthesis (heme-coordinated expression tag)
15	c2y46B	Alignment		100.0	29	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
16	c6f0bA	Alignment		100.0	30	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
17	c4yzrA	Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: polyketide biosynthesis cytochrome p450 pks5; PDBTitle: bacillus subtilis 168 bacillaene polyketide synthase (pks) cytochrome2 p450 pks5
18	c6b11B	Alignment		100.0	27	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)
19	d1cpta	Alignment		100.0	21	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
20	c3tktA	Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cyp108d1 from novosphingobium aromaticivorans2 dsm12444
21	d1n40a	Alignment	not modelled	100.0	23	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
22	c4ubsA	Alignment	not modelled	100.0	29	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
23	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
24	c3a4hA	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: vitamin d hydroxylase; PDBTitle: structure of cytochrome p450 vdh from pseudonocardia autotrophica2 (orthorhombic crystal form)
25	c4wpzA	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp107w1 from streptomyces2 avermitilis
26	c6bldA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 268a2 cyp268a2; PDBTitle: mycobacterium marinum cytochrome p450 cyp268a2 in complex with2 pseudoionone
27	d1lfka	Alignment	not modelled	100.0	27	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
28	d1gwia	Alignment	not modelled	100.0	31	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
						PDB header: oxidoreductase

29	c5hh3C_	Alignment	not modelled	100.0	28	Chain: C; PDB Molecule: oxya protein; PDBTitle: oxya from actinoplanes teichomyceticus
30	d1q5da_	Alignment	not modelled	100.0	24	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
31	c5y1iA_	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of gfsf
32	c2c6hB_	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: B; PDB Molecule: cytochrome p450 monooxygenase; PDBTitle: crystal structure of yc-17-bound cytochrome p450 pikc2 (cyp107l1)
33	c5fyfA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: structure of cyp153a from marinobacter aquaeolei
34	c3bujA_	Alignment	not modelled	100.0	26	PDB header: metal binding protein Chain: A; PDB Molecule: calo2; PDBTitle: crystal structure of calo2
35	d1s1fa_	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
36	d1z8oa1	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
37	d1ueda_	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
38	c2fr7A_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: putative cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp199a2
39	c2wivA_	Alignment	not modelled	100.0	25	PDB header: electron transport Chain: A; PDB Molecule: cytochrome p450-like protein xpla; PDBTitle: cytochrome-p450 xpla heme domain p21
40	c6m7IA_	Alignment	not modelled	100.0	32	PDB header: biosynthetic protein Chain: A; PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: complex of oxya with the x-domain from gpa biosynthesis
41	c6hqdB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B; PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from pseudomonas sp. 19-rlim
42	c2wm5A_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: putative cytochrome p450 124; PDBTitle: x-ray structure of the substrate-free mycobacterium tuberculosis2 cytochrome p450 cyp124
43	c3o1aA_	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A; PDB Molecule: oxy protein; PDBTitle: structure of oxye (cyp165d3), a cytochrome p450 involved in2 teicoplanin biosynthesis
44	d1re9a_	Alignment	not modelled	100.0	19	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
45	c2z3tD_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: D; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate free cytochrome p450 stap2 (cyp245a1)
46	c5ncbA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of amycolatopsis cytochrome p450 goa in complex2 with guaiaacol.
47	c5gweB_	Alignment	not modelled	100.0	22	PDB header: electron transport Chain: B; PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450 crej
48	c2dkkA_	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: structure/function studies of cytochrome p450 158a1 from streptomyces2 coelicolor a3(2)
49	c2uvnB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B; PDB Molecule: cytochrome p450 130; PDBTitle: crystal structure of econazole-bound cyp130 from mycobacterium2 tuberculosis
50	c3p3oA_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of the cytochrome p450 monooxygenase aurh (ntermil)2 from streptomyces thioluteus
51	c5hdiA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450 144; PDBTitle: structural characterization of cyp144a1, a mycobacterium tuberculosis2 cytochrome p450
52	c3lxib_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d1
53	c3nv6A_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: cytochrome p450; PDBTitle: crystal structure of camphor-bound cyp101d2
54	c5li8A_	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A; PDB Molecule: putative cytochrome p450 126; PDBTitle: crystal structure of mycobacterium tuberculosis cyp126a1 in complex2 with ketoconazole
55	c3ejdD_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase/lipid transport Chain: D; PDB Molecule: biotin biosynthesis cytochrome p450-like enzyme; PDBTitle: crystal structure of p450bioi in complex with hexadec-9z-enoic acid2 ligated acyl carrier protein

56	c6hqwA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
57	c4l36B	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: putative p450-like protein; PDBTitle: crystal structure of the cytochrome p450 enzyme txtx
58	c2xkrA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 142; PDBTitle: crystal structure of mycobacterium tuberculosis cyp142: a novel2 cholesterol oxidase
59	c3oo3A	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: oxy protein; PDBTitle: crystal structure of the orf6* (cyp165d3) monooxygenase involved in2 teicoplanin biosynthesis
60	c6g71A	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of cyp1232a24 from arthrobacter sp.
61	c6giiA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of tepidiphilus thermophilus p450 heme domain
62	c5kyoD	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: D: PDB Molecule: cyp101j2; PDBTitle: crystal structure of cyp101j2
63	c4jbtB	Alignment	not modelled	100.0	27	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
64	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
65	c4tvfA	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: oxyb; PDBTitle: oxyb from actinoplanes teichomyceticus
66	c4dxyA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structures of cyp101d2 y96a mutant
67	c1t2bA	Alignment	not modelled	100.0	20	PDB header: unknown function Chain: A: PDB Molecule: p450cin; PDBTitle: crystal structure of cytochrome p450cin complexed with its2 substrate 1,8-cineole
68	c3rwlA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 alkane hydroxylase 1 cyp153a7; PDBTitle: structure of p450pyr hydroxylase
69	c3r9cA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 164a2; PDBTitle: crystal structure of mycobacterium smegmatis cyp164a2 with econazole2 bound
70	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
71	c5h1zA	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: putative cyp alkane hydroxylase cyp153d17; PDBTitle: cyp153d17 from sphingomonas sp. pamc 26605
72	c2jjoA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 113a1; PDBTitle: structure of cytochrome p450 eryk in complex with its2 natural substrate erd
73	d1odoa	Alignment	not modelled	100.0	29	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
74	c5livC	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: C: PDB Molecule: cytochrome p450 cyp260a1,cytochrome p450 cyp260a1; PDBTitle: crystal structure of myxobacterial cyp260a1
75	c5ofqD	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of substrate-free cyp109a2 from bacillus megaterium
76	c5l90B	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
77	c5ysmA	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: crystal structure analysis of rif16
78	c5nwsA	Alignment	not modelled	100.0	28	PDB header: biosynthetic protein Chain: A: PDB Molecule: isaacmm; PDBTitle: crystal structure of saacmm involved in actinomycin biosynthesis
79	c3nc7A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cypx; PDBTitle: cyp134a1 2-phenylimidazole bound structure
80	c5cjeA	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 hydroxylase; PDBTitle: structure of cyp107l2
81	c6gmfA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: putative cytochrome p450 hydroxylase; PDBTitle: structure of cytochrome p450 cyp109q5 from chondromyces apiculatus
						PDB header: oxidoreductase/oxidoreductase inhibitor

82	c4oqrA_	Alignment	not modelled	100.0	29	Chain: A: PDB Molecule: cyp105a1; PDBTitle: structure of a cyp105a1 mutant in complex with compactin
83	c3wecA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: structure of p450 raua (cyp1050a1) complexed with a biosynthetic2 intermediate of aurachin re
84	c4yt3B_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450(meg); PDBTitle: cyp106a2
85	c5z9jA_	Alignment	not modelled	100.0	22	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
86	c6dcdA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 150a6 cyp150a6; PDBTitle: mycobacterium marinum cytochrome p450 cyp150a6 in the substrate-free2 form
87	c3ivyA_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp125; PDBTitle: crystal structure of mycobacterium tuberculosis cytochrome p4502 cyp125, p212121 crystal form
88	c3ofuE_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: E: PDB Molecule: cytochrome p450; PDBTitle: crystal structure of cytochrome p450 cyp101c1
89	c4z5qA_	Alignment	not modelled	100.0	29	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
90	c6g5qA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the structure of a carbohydrate active p450
91	c6hqqB_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from phenylobacterium zucineum
92	c5hiwA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 cyp260b1; PDBTitle: sorangium cellulosum so ce56 cytochrome p450 260b1
93	c4ggvA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450 superfamily protein; PDBTitle: crystal structure of hmtt involved in himastatin biosynthesis
94	c4rm4A_	Alignment	not modelled	100.0	25	PDB header: electron transport Chain: A: PDB Molecule: cytochrome p450; PDBTitle: the crystal structure of the versatile cytochrome p450 enzyme cyp109b12 from bacillus subtilis
95	c4l54A_	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
96	c5vwsA_	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome p450; PDBTitle: ligand free structure of cytochrome p450 tbtj1
97	d1io7a_	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
98	c6fyjA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: fatty-acid peroxygenase; PDBTitle: cytochrome p450 peroxygenase cyp152k6 in complex with myristic acid
99	d1ue8a_	Alignment	not modelled	100.0	22	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
100	c6hqwb_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome p450; PDBTitle: cytochrome p450-153 from novosphingobium aromaticivorans
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	d1lzoa_	Alignment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
103	c2x2nB_	Alignment	not modelled	100.0	17	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	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
105	c2rfcB_	Alignment	not modelled	100.0	19	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
106	c2iagA_	Alignment	not modelled	100.0	12	PDB header: isomerase Chain: A: PDB Molecule: prostacyclin synthase; PDBTitle: crystal structure of human prostacyclin synthase
107	c4lxjA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: saccharomyces cerevisiae lanosterol 14-alpha demethylase with2 lanosterol bound

108	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
109	c3daxB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B; PDB Molecule: cytochrome p450 7a1; PDBTitle: crystal structure of human cyp7a1
110	c3e4eA	Alignment	not modelled	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
111	c3b99B	Alignment	not modelled	100.0	13	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
112	c5fsaA	Alignment	not modelled	100.0	15	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
113	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
114	c3qz1D	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: D; PDB Molecule: steroid 21-hydroxylase; PDBTitle: crystal structure of bovine steroid of 21-hydroxylase (p450c21)
115	c3juvA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: lanosterol 14-alpha demethylase; PDBTitle: crystal structure of human lanosterol 14alpha-demethylase (cyp51)
116	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
117	d1po5a	Alignment	not modelled	100.0	16	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
118	d1r9oa	Alignment	not modelled	100.0	17	Fold: Cytochrome P450 Superfamily: Cytochrome P450 Family: Cytochrome P450
119	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
120	c3danA	Alignment	not modelled	100.0	15	PDB header: lyase Chain: A; PDB Molecule: cytochrome p450 74a2; PDBTitle: crystal structure of allene oxide synthase