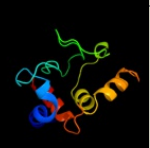


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P00045
Date	Mon Jul 2 19:10:25 BST 2012
Unique Job ID	3fd053b229833063

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1ytca_	 Alignment		100.0	98	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
2	d1yeba_	 Alignment		100.0	93	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
3	dlycca_	 Alignment		99.9	85	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
4	d1wejf_	 Alignment		99.9	58	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
5	d1j3sa_	 Alignment		99.9	59	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
6	d1lfma_	 Alignment		99.9	58	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
7	d1hroa_	 Alignment		99.9	42	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
8	d1ccra_	 Alignment		99.9	51	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
9	c3m97X_	 Alignment		99.9	37	PDB header: electron transport Chain: X: PDB Molecule: cytochrome c-552; PDBTitle: structure of the soluble domain of cytochrome c552 with its flexible2 linker segment from paracoccus denitrificans
10	d1co6a_	 Alignment		99.9	49	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
11	c2w9kA_	 Alignment		99.9	50	PDB header: electron transport Chain: A: PDB Molecule: cytochrome c; PDBTitle: crithidia fasciculata cytochrome c

12	d1ql3a_	Alignment		99.9	38	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
13	d1lmsa_	Alignment		99.9	82	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
14	d1qn2a_	Alignment		99.9	38	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
15	d1jdla_	Alignment		99.9	28	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
16	d1vyda_	Alignment		99.9	29	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
17	d3c2ca_	Alignment		99.8	33	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
18	dli8oa_	Alignment		99.8	35	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
19	d155ca_	Alignment		99.8	30	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
20	d1cxca_	Alignment		99.8	38	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
21	c2yevB_	Alignment	not modelled	99.8	23	PDB header: electron transport Chain: B: PDB Molecule: cytochrome c oxidase subunit 2; PDBTitle: structure of caa3-type cytochrome oxidase
22	d1cota_	Alignment	not modelled	99.8	30	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
23	d1h32b_	Alignment	not modelled	99.7	21	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
24	c1w2IA_	Alignment	not modelled	99.7	27	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome oxidase subunit ii; PDBTitle: cytochrome c domain of caa3 oxygen oxidoreductase
25	c2c1dB_	Alignment	not modelled	99.6	24	PDB header: oxidoreductase Chain: B: PDB Molecule: soxx; PDBTitle: crystal structure of soxxa from p. pantotrophus
26	c3oa8B_	Alignment	not modelled	99.6	23	PDB header: heme-binding protein/heme-binding protei Chain: B: PDB Molecule: soxx; PDBTitle: diheme soxax
27	c1w5cT_	Alignment	not modelled	99.6	15	PDB header: photosynthesis Chain: T: PDB Molecule: cytochrome c-550; PDBTitle: photosystem ii from thermosynechococcus elongatus
28	d1kb0a1	Alignment	not modelled	99.6	17	Fold: Cytochrome c Superfamily: Cytochrome c Family: Quinoprotein alcohol dehydrogenase, C-terminal domain
29	c3cp5A_	Alignment	not modelled	99.6	27	PDB header: electron transport Chain: A: PDB Molecule: cytochrome c;

83	d1fcdc2	Alignment	not modelled	99.2	17	Superfamily: Cytochrome c Family: Two-domain cytochrome c
84	c1fcdD_	Alignment	not modelled	99.2	16	PDB header: electron transport(flavocytochrome) Chain: D: PDB Molecule: flavocytochrome c sulfide dehydrogenase PDBTitle: the structure of flavocytochrome c sulfide dehydrogenase2 from a purple phototrophic bacterium chromatium vinosum at3.2.5 angstroms resolution
85	d1gksa_	Alignment	not modelled	99.2	23	Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
86	d1fcdc1	Alignment	not modelled	99.1	20	Fold: Cytochrome c Superfamily: Cytochrome c Family: Two-domain cytochrome c
87	d1nmla2	Alignment	not modelled	99.0	13	Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase
88	c1kb0A_	Alignment	not modelled	98.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: quinohemoprotein alcohol dehydrogenase; PDBTitle: crystal structure of quinohemoprotein alcohol dehydrogenase from2 comamonas testosteroni
89	c1nnoA_	Alignment	not modelled	98.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: nitrite reductase; PDBTitle: conformational changes occurring upon no binding in nitrite2 reductase from pseudomonas aeruginosa
90	d1h1oa1	Alignment	not modelled	98.9	24	Fold: Cytochrome c Superfamily: Cytochrome c Family: Two-domain cytochrome c
91	d1eb7a2	Alignment	not modelled	98.8	18	Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase
92	c1zzhA_	Alignment	not modelled	98.8	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c peroxidase; PDBTitle: structure of the fully oxidized di-heme cytochrome c2 peroxidase from r. capsulatus
93	c3o5cA_	Alignment	not modelled	98.8	19	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c551 peroxidase; PDBTitle: cytochrome c peroxidase bccp of shewanella oneidensis
94	c1nmlA_	Alignment	not modelled	98.8	14	PDB header: oxidoreductase Chain: A: PDB Molecule: di-haem cytochrome c peroxidase; PDBTitle: di-haemic cytochrome c peroxidase from pseudomonas nautica 617, form2 in (ph 4.0)
95	c1gq1B_	Alignment	not modelled	98.8	17	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome cd1 nitrite reductase; PDBTitle: cytochrome cd1 nitrite reductase, y25s mutant, oxidised2 form
96	c2c1uB_	Alignment	not modelled	98.8	15	PDB header: oxidoreductase Chain: B: PDB Molecule: di-haem cytochrome c peroxidase; PDBTitle: crystal structure of the di-haem cytochrome c peroxidase2 from paracoccus pantotrophus - oxidised form
97	c3hq7A_	Alignment	not modelled	98.8	15	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c551 peroxidase; PDBTitle: ccpa from g. sulfurreducens, g94k/k97q/r100i variant
98	c3l4oB_	Alignment	not modelled	98.8	19	PDB header: oxidoreductase/electron transport Chain: B: PDB Molecule: methylamine utilization protein mauG; PDBTitle: crystal structure of the mauG/pre-methylamine dehydrogenase complex2 after treatment with hydrogen peroxide
99	d1iqca2	Alignment	not modelled	98.8	14	Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase
100	c1kv9A_	Alignment	not modelled	98.8	13	PDB header: oxidoreductase Chain: A: PDB Molecule: type ii quinohemoprotein alcohol dehydrogenase; PDBTitle: structure at 1.9 a resolution of a quinohemoprotein alcohol2 dehydrogenase from pseudomonas putida hk5
101	c1iqcB_	Alignment	not modelled	98.8	13	PDB header: oxidoreductase Chain: B: PDB Molecule: di-heme peroxidase; PDBTitle: crystal structure of di-heme peroxidase from nitrosomonas europaea
102	c2vhdB_	Alignment	not modelled	98.7	16	PDB header: oxidoreductase Chain: B: PDB Molecule: cytochrome c551 peroxidase; PDBTitle: crystal structure of the di-haem cytochrome c peroxidase2 from pseudomonas aeruginosa - mixed valence form
103	c3oa8A_	Alignment	not modelled	98.6	16	PDB header: heme-binding protein/heme-binding protei Chain: A: PDB Molecule: soxa; PDBTitle: di heme soxax
104	c1h1oA_	Alignment	not modelled	98.4	20	PDB header: electron transport Chain: A: PDB Molecule: cytochrome c-552; PDBTitle: acidithiobacillus ferrooxidans cytochrome c4 structure2 supports a complex-induced tuning of electron transfer
105	c2yiuE_	Alignment	not modelled	98.3	14	PDB header: oxidoreductase Chain: E: PDB Molecule: cytochrome c1, heme protein; PDBTitle: x-ray structure of the dimeric cytochrome bc1 complex from2 the soil bacterium paracoccus denitrificans at 2.73 angstrom resolution
106	c1h32A_	Alignment	not modelled	98.1	16	PDB header: electron transfer Chain: A: PDB Molecule: di heme cytochrome c; PDBTitle: reduced soxax complex from rhodovulum sulfidophilum
107	c1p84D_	Alignment	not modelled	98.1	22	PDB header: oxidoreductase Chain: D: PDB Molecule: cytochrome c1, heme protein; PDBTitle: hdbt inhibited yeast cytochrome bc1 complex
108	c1zrtD_	Alignment	not modelled	98.0	11	PDB header: oxidoreductase/metal transport Chain: D: PDB Molecule: cytochrome c1; PDBTitle: rhodobacter capsulatus cytochrome bc1 complex with2

					stigmatellin bound
109	c3cwbQ_	Alignment	not modelled	98.0	26 PDB header: oxidoreductase Chain: Q: PDB Molecule: mitochondrial cytochrome c1, heme protein; PDBTitle: chicken cytochrome bc1 complex inhibited by an iodinated analogue of2 the polyketide crocacin-d
110	d1h32a2	Alignment	not modelled	97.9	15 Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c SoxA
111	c2c1dC_	Alignment	not modelled	97.9	17 PDB header: oxidoreductase Chain: C: PDB Molecule: soxa; PDBTitle: crystal structure of soxxa from p. pantotrophus
112	d3cx5d1	Alignment	not modelled	97.8	25 Fold: Cytochrome c Superfamily: Cytochrome c Family: Cytochrome bc1 domain
113	d1gu2a_	Alignment	not modelled	97.7	14 Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
114	c2bpbB_	Alignment	not modelled	97.5	23 PDB header: oxidoreductase Chain: B: PDB Molecule: sulfite\cytochrome c oxidoreductase subunit b; PDBTitle: sulfite dehydrogenase from starkeya novella
115	c1yiqA_	Alignment	not modelled	97.5	23 PDB header: oxidoreductase Chain: A: PDB Molecule: quinoxemoprotein alcohol dehydrogenase; PDBTitle: molecular cloning and structural analysis of2 quinoxemoprotein alcohol dehydrogenase adhiig from3 pseudomonas putida hk5. compariison to the other4 quinoxemoprotein alcohol dehydrogenase adhiib found in the5 same microorganism.
116	d1dw0a_	Alignment	not modelled	97.5	20 Fold: Cytochrome c Superfamily: Cytochrome c Family: monodomain cytochrome c
117	d1pbya1	Alignment	not modelled	97.3	13 Fold: Cytochrome c Superfamily: Cytochrome c Family: Quinoxemoprotein amine dehydrogenase A chain, domains 1 and 2
118	d1iqca1	Alignment	not modelled	97.0	22 Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase
119	d1nmla1	Alignment	not modelled	97.0	12 Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase
120	c2fynH_	Alignment	not modelled	97.0	19 PDB header: oxidoreductase Chain: H: PDB Molecule: cytochrome c1; PDBTitle: crystal structure analysis of the double mutant rhodobacter2 sphaeroides bc1 complex