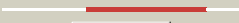
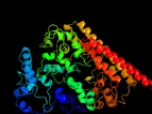
















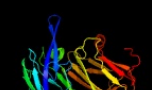


Phyre2

Email	harold.powell@imperial.ac.uk
Description	Swiss-Prot_entry_P0DV45_from_UniProt
Date	Wed Nov 27 10:15:14 GMT 2024
Unique Job ID	95c1c74e47dc480d

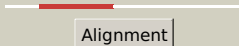

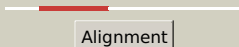
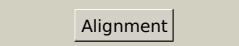
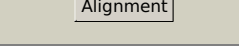
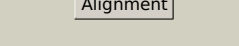
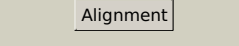
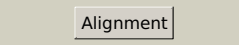
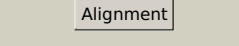
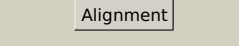
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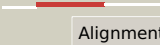
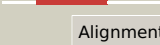

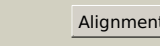

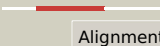
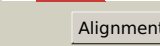
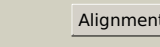
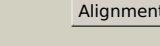
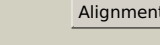
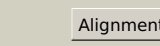
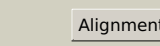
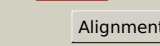
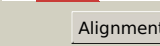
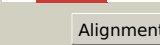
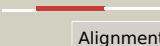


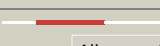
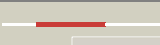
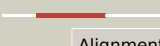
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2	c3t9wA_	 Alignment		100.0	37	PDB header: oxidoreductase Chain: A: PDB Molecule: small laccase, multi-copper oxidase; PDBTitle: small laccase from amycolatopsis sp. atcc 39116 PDB Entry: PDBe RCSB PDBj
3	c5n0kA_	 Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: ceruloplasmin; PDBTitle: rat ceruloplasmin orthorhombic form PDB Entry: PDBe RCSB PDBj
4	c6m0qG_	 Alignment		100.0	32	PDB header: oxidoreductase Chain: G: PDB Molecule: PDBTitle: hydroxylamine oxidoreductase from nitrosomonas europaea PDB Entry: PDBe RCSB PDBj
5	c6m0qA_	 Alignment		100.0	32	PDB header: oxidoreductase Chain: A: PDB Molecule: PDBTitle: hydroxylamine oxidoreductase from nitrosomonas europaea PDB Entry: PDBe RCSB PDBj
6	c6hifA_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: glycerol PDBTitle: kuenenia stuttgartiensis hydrazine dehydrogenase complex PDB Entry: PDBe RCSB PDBj
7	c4n4jA_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: hydroxylamine oxidoreductase; PDBTitle: kuenenia stuttgartiensis hydroxylamine oxidoreductase PDB Entry: PDBe RCSB PDBj
8	c6t5eA_	 Alignment		100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: hydroxylamine oxidoreductase-like protein; PDBTitle: hydroxylamine oxidoreductase from brocadia fulgida PDB Entry: PDBe RCSB PDBj
9	c4qo5A_	 Alignment		100.0	23	PDB header: heme binding protein Chain: A: PDB Molecule: hypothetical multiheme protein; PDBTitle: hypothetical multiheme protein PDB Entry: PDBe RCSB PDBj
10	c7bfmA_	 Alignment		100.0	35	PDB header: oxidoreductase Chain: A: PDB Molecule: putative copper oxidase; PDBTitle: structure of the m198f m298f double mutant of the streptomyces2 cellular small laccase h1 copper site



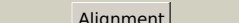
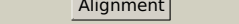
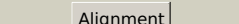
					<p>PDB header: small laccase (1 copper site)</p> <p>PDB Entry: PDBe RCSB PDBj</p>
11	c4najA_ <div>Alignment</div>		100.0	35	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: copper oxidase;</p> <p>PDBTitle: crystal structure of two-domain laccase from streptomyces lividans2 ac1709 in complex with azide after 90 min soaking</p> <p>PDB Entry: PDBe RCSB PDBj</p>
12	c4n8uB_ <div>Alignment</div>		100.0	35	<p>PDB header: oxidoreductase</p> <p>Chain: B: PDB Molecule: multicopper oxidase;</p> <p>PDBTitle: two-domain laccase from streptomyces viridochromogenes at 2.4 a2 resolution ac629</p> <p>PDB Entry: PDBe RCSB PDBj</p>
13	c3tbbA_ <div>Alignment</div>		100.0	35	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: small laccase, oxidoreductase;</p> <p>PDBTitle: small laccase from streptomyces viridosporus t7a; alternate crystal2 form.</p> <p>PDB Entry: PDBe RCSB PDBj</p>
14	c6yzdC_ <div>Alignment</div>		100.0	35	<p>PDB header: oxidoreductase</p> <p>Chain: C: PDB Molecule:</p> <p>PDBTitle: crystal structure of the m295a variant of ssl1</p> <p>PDB Entry: PDBe RCSB PDBj</p>
15	c7puhA_ <div>Alignment</div>		100.0	34	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: two-domain laccase;</p> <p>PDBTitle: crystal structure of two-domain laccase mutant h165a/r240h from2 streptomyces griseoflavus</p> <p>PDB Entry: PDBe RCSB PDBj</p>
16	c7puhD_ <div>Alignment</div>		100.0	34	<p>PDB header: oxidoreductase</p> <p>Chain: D: PDB Molecule: two-domain laccase;</p> <p>PDBTitle: crystal structure of two-domain laccase mutant h165a/r240h from2 streptomyces griseoflavus</p> <p>PDB Entry: PDBe RCSB PDBj</p>
17	c3gdcA_ <div>Alignment</div>		100.0	30	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: multicopper oxidase;</p> <p>PDBTitle: crystal structure of multicopper oxidase</p> <p>PDB Entry: PDBe RCSB PDBj</p>
18	c7racA_ <div>Alignment</div>		100.0	29	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: multicopper oxidase;</p> <p>PDBTitle: crystal structure of a dodecameric multicopper oxidase from m.2 hydrothermalis in an orthorhombic lattice</p> <p>PDB Entry: PDBe RCSB PDBj</p>
19	c3zx1A_ <div>Alignment</div>		100.0	27	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: oxidoreductase, putative;</p> <p>PDBTitle: multicopper oxidase from campylobacter jejuni: a metallo-oxidase</p> <p>PDB Entry: PDBe RCSB PDBj</p>
20	c6voxA_ <div>Alignment</div>		100.0	28	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: copper oxidase;</p> <p>PDBTitle: crystal structure of multi-copper oxidase from pseudomonas parafulva</p> <p>PDB Entry: PDBe RCSB PDBj</p>
21	c4e9xA_ <div>Alignment</div>	not modelled	100.0	26	<p>PDB header: metal binding protein</p> <p>Chain: A: PDB Molecule: multicopper oxidase;</p> <p>PDBTitle: multicopper oxidase mglac (data3)</p> <p>PDB Entry: PDBe RCSB PDBj</p>
22	c6theA_ <div>Alignment</div>	not modelled	100.0	26	<p>PDB header: oxidoreductase</p> <p>Chain: A: PDB Molecule: copper-containing nitrite reductase;</p> <p>PDBTitle: crystal structure of core domain of four domain heme copper oxidase</p>

22	c6meA	Alignment	not modelled	100.0	20	PDB title: crystal structure of core domain of four-domain heme-copreductin-cu2 nitrite reductase from bradyrhizobium sp. ors 375 PDB Entry: PDBe RCSB PDBj
23	c1aozA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase(oxygen acceptor) Chain: A; PDB Molecule: ascorbate oxidase; PDBTitle: refined crystal structure of ascorbate oxidase at 1.9 angstroms2 resolution PDB Entry: PDBe RCSB PDBj
24	c4rknA	Alignment	not modelled	99.6	18	PDB header: unknown function Chain: A; PDB Molecule: mcca; PDBTitle: wolfinella succinogenes octaheme sulfite reductase mcca, form ii PDB Entry: PDBe RCSB PDBj
25	c1kbvD	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: D; PDB Molecule: major outer membrane protein pan 1; PDBTitle: nitrite-soaked crystal structure of the soluble domain of ania from2 neisseria gonorrhoeae PDB Entry: PDBe RCSB PDBj
26	c5tb7A	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: nitrite reductase; PDBTitle: structure of nitrite reductase ania from neisseria gonorrhoeae, space2 group p212121 PDB Entry: PDBe RCSB PDBj
27	c3wi9A	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A; PDB Molecule: nitrite reductase; PDBTitle: crystal structure of copper nitrite reductase from geobacillus2 kaustophilus PDB Entry: PDBe RCSB PDBj
28	c6iqzA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: bilirubin oxidase; PDBTitle: high resolution structure of bilirubin oxidase from myrothecium2 verrucaria - wild type PDB Entry: PDBe RCSB PDBj
29	c4ystA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A; PDB Molecule: nitrite reductase; PDBTitle: structure of copper nitrite reductase from geobacillus2 thermodenitrificans - 24.9 mg PDB Entry: PDBe RCSB PDBj
30	c4rknD	Alignment	not modelled	99.6	17	PDB header: unknown function Chain: D; PDB Molecule: mcca; PDBTitle: wolfinella succinogenes octaheme sulfite reductase mcca, form ii PDB Entry: PDBe RCSB PDBj
31	c3g5wD	Alignment	not modelled	100.0	24	PDB header: metal binding protein Chain: D; PDB Molecule: multicopper oxidase type 1; PDBTitle: crystal structure of blue copper oxidase from nitrosomonas europaea PDB Entry: PDBe RCSB PDBj
32	c3g5wA	Alignment	not modelled	100.0	24	PDB header: metal binding protein Chain: A; PDB Molecule: multicopper oxidase type 1; PDBTitle: crystal structure of blue copper oxidase from nitrosomonas europaea PDB Entry: PDBe RCSB PDBj
33	c4f7kA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of lac15 from a marine microbial metagenome PDB Entry: PDBe RCSB PDBj
34	c5ytmA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: copper-containing nitrite reductase; PDBTitle: c135a mutant of copper-containing nitrite reductase from geobacillus2 thermodenitrificans determined by in-ouse source PDB Entry: PDBe RCSB PDBj
35	c1kbvA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: major outer membrane protein pan 1; PDBTitle: nitrite-soaked crystal structure of the soluble domain of ania from2 neisseria gonorrhoeae PDB Entry: PDBe RCSB PDBj
36	c5g3hA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: thermus thermophilus multicopper oxidase; PDBTitle: preserving metallic sites affected by radiation damage the cut2 case2 in thermus thermophilus multicopper oxidase PDB Entry: PDBe RCSB PDBj
37	c6tyrA	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of laccase from thermus thermophilus hb27 with a2 close conformation of its beta-hairpin PDB Entry: PDBe RCSB PDBj
38	c2j5wA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: ceruloplasmin; PDBTitle: ceruloplasmin revisited: structural and functional roles of various2 metal cation binding sites PDB Entry: PDBe RCSB PDBj
39	c3sqrA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of laccase from botrytis aclada at 1.67 a resolution PDB Entry: PDBe RCSB PDBj
40	c4knuD	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: D; PDB Molecule: multicopper oxidase type 1; PDBTitle: copper nitrite reductase from nitrosomonas europaea at ph 6.5 PDB Entry: PDBe RCSB PDBj
41	c3kw7A	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase b; PDBTitle: crystal structure of lacb from trametes sp. ah28-2 PDB Entry: PDBe RCSB PDBj
42	c3t6zA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of steccoherinum ochraceum laccase obtained by multi-2 crystals composite data collection technique (60% dose) PDB Entry: PDBe RCSB PDBj
43	c6hbeC	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: C; PDB Molecule: copper-containing nitrite reductase; PDBTitle: cu-containing nitrite reductase (nirk) from thermus scotoductus sa-01 PDB Entry: PDBe RCSB PDBj

44	c5ehfA	 Alignment	not modelled	100.0	22	PDB Entry: PDBe RCSB PDBj PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: laccase from antrodiella faginea PDB Entry: PDBe RCSB PDBj
45	c1hfuA	 Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase 1; PDBTitle: type-2 cu-depleted laccase from coprinus cinereus at 1.68 a resolution PDB Entry: PDBe RCSB PDBj
46	c2yqbA	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: structure of p93a variant of three-domain heme-cu nitrite reductase2 from ralstonia pickettii at 1.4 a resolution PDB Entry: PDBe RCSB PDBj
47	c2qt6A	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure determination of a blue laccase from lentinus2 tigrinus PDB Entry: PDBe RCSB PDBj
48	c2dv6A	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: nitrite reductase; PDBTitle: crystal structure of nitrite reductase from hyphomicrobium2 denitrificans PDB Entry: PDBe RCSB PDBj
49	c2dv6C	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: C: PDB Molecule: nitrite reductase; PDBTitle: crystal structure of nitrite reductase from hyphomicrobium2 denitrificans PDB Entry: PDBe RCSB PDBj
50	c2zooA	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: probable nitrite reductase; PDBTitle: crystal structure of nitrite reductase from pseudoalteromonas2 haloplanktis tac125 PDB Entry: PDBe RCSB PDBj
51	c6rgpA	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase 2; PDBTitle: single crystal serial study of the x-ray induced enzymatic reduction2 of molecular oxygen to water for laccase from steccherinum3 murashkinskyi at sub-atomic resolution. second structure of the4 series with 165 kgy dose. PDB Entry: PDBe RCSB PDBj
52	c3gyrA	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: phenoxazinone synthase; PDBTitle: structure of phenoxazinone synthase from streptomyces antibioticus2 reveals a new type 2 copper center. PDB Entry: PDBe RCSB PDBj
53	c3gyrC	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: C: PDB Molecule: phenoxazinone synthase; PDBTitle: structure of phenoxazinone synthase from streptomyces antibioticus2 reveals a new type 2 copper center. PDB Entry: PDBe RCSB PDBj
54	c6qq0A	 Alignment	not modelled	100.0	22	PDB header: metal binding protein Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: crystal structure of nitrite bound y323e mutant of haem-cu containing2 nitrite reductase from ralstonia pickettii PDB Entry: PDBe RCSB PDBj
55	c6f5kA	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: extracellular laccase, lcc1; PDBTitle: crystal structure of laccase from myceliophthora thermophila PDB Entry: PDBe RCSB PDBj
56	c6tfoC	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: C: PDB Molecule: copper-containing nitrite reductase; PDBTitle: crystal structure of as isolated three-domain copper-containing2 nitrite reductase from hyphomicrobium denitrificans strain 1nes1 PDB Entry: PDBe RCSB PDBj
57	c4bxsB	 Alignment	not modelled	100.0	22	PDB header: blood clotting Chain: B: PDB Molecule: PDBTitle: crystal structure of the prothrombinase complex from the venom of2 pseudonaja textilis PDB Entry: PDBe RCSB PDBj
58	c5ocfA	 Alignment	not modelled	100.0	22	PDB header: electron transport Chain: A: PDB Molecule: nitrite reductase, copper-containing; PDBTitle: crystal structure of nitric oxide bound to three-domain heme-cu2 nitrite reductase from ralstonia pickettii PDB Entry: PDBe RCSB PDBj
59	c4knuA	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: multicopper oxidase type 1; PDBTitle: copper nitrite reductase from nitrosomonas europaea at ph 6.5 PDB Entry: PDBe RCSB PDBj
60	c8r7iA	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: PDBTitle: x-ray structure of blue laccase bp76 from the termite neocapritermes taracua PDB Entry: PDBe RCSB PDBj
61	c7zn6A	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase-like multicopper oxidase 1; PDBTitle: crystal structure of laccase-like multicopper oxidase (lmco) from2 thermothelomyces thermophilus PDB Entry: PDBe RCSB PDBj
62	c9bxaA	 Alignment	not modelled	100.0	24	PDB header: metal transport Chain: A: PDB Molecule: PDBTitle: structure of mnx h340a complex from bacillus sp. pl-12 PDB Entry: PDBe RCSB PDBj
63	c1v10A	 Alignment	not modelled	100.0	21	PDB header: oxidase Chain: A: PDB Molecule: laccase; PDBTitle: structure of rigidoporus lignosus laccase from hemihedrally twinned2 crystals PDB Entry: PDBe RCSB PDBj

64	c5lduA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase a; PDBTitle: recombinant high-redox potential laccase from basidiomycete trametes2 hirsuta PDB Entry: PDBe RCSB PDBj
65	c5zl1A	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: putative copper-type nitrite reductase; PDBTitle: hexameric structure of copper-containing nitrite reductase of an2 anammox organism ksu-1 PDB Entry: PDBe RCSB PDBj
66	c5zl1D	 Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: D; PDB Molecule: putative copper-type nitrite reductase; PDBTitle: hexameric structure of copper-containing nitrite reductase of an2 anammox organism ksu-1 PDB Entry: PDBe RCSB PDBj
67	c2q9oA	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase-1; PDBTitle: near-atomic resolution structure of a melanocarpus albomyces laccase PDB Entry: PDBe RCSB PDBj
68	c7kxyA	 Alignment	not modelled	100.0	21	PDB header: blood clotting Chain: A; PDB Molecule: PDBTitle: cryo-em structure of human factor va at 4.4 angstrom resolution PDB Entry: PDBe RCSB PDBj
69	c6i5bA	 Alignment	not modelled	99.6	20	PDB header: oxidoreductase Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of outer cell wall cytochrome ocwa PDB Entry: PDBe RCSB PDBj
70	c5z1xA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of laccase from cerrena sp. rsd1 PDB Entry: PDBe RCSB PDBj
71	c3pxlA	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: type-2 cu-depleted fungus laccase from trametes hirsuta PDB Entry: PDBe RCSB PDBj
72	c1gycA	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase 2; PDBTitle: crystal structure determination at room temperature of a laccase from2 trametes versicolor in its oxidised form containing a full complement3 of copper ions PDB Entry: PDBe RCSB PDBj
73	c5nq8A	 Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of laccases from pycnoporus sanguineus, isoform ii PDB Entry: PDBe RCSB PDBj
74	c2xybA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of a fully functional laccase from the ligninolytic2 fungus pycnoporus cinnabarinus PDB Entry: PDBe RCSB PDBj
75	c6syyA	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: periplasmic cell division protein (sufi); PDBTitle: crystal structure of mcoa multicopper oxidase from the2 hyperthermophile aquifex aeolicus PDB Entry: PDBe RCSB PDBj
76	c9f1tB	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: multicopper oxidase; PDBTitle: psychrophilic laccase (multicopper oxidase) from oenococcus oeni 2292 without histag PDB Entry: PDBe RCSB PDBj
77	c5nq7A	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of laccases from pycnoporus sanguineus, isoform i PDB Entry: PDBe RCSB PDBj
78	c3sxxA	 Alignment	not modelled	99.7	18	PDB header: oxidoreductase Chain: A; PDB Molecule: eight-heme nitrite reductase; PDBTitle: structure of a hexameric multiheme c nitrite reductase from the2 extremophile bacterium thiolkalivibrio paradoxus PDB Entry: PDBe RCSB PDBj
79	c3ppsD	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D; PDB Molecule: laccase; PDBTitle: crystal structure of an ascomycete fungal laccase from thielavia2 arenaria PDB Entry: PDBe RCSB PDBj
80	c3ppsA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: crystal structure of an ascomycete fungal laccase from thielavia2 arenaria PDB Entry: PDBe RCSB PDBj
81	c5lwxA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: multicopper oxidase; PDBTitle: crystal structure of the h253d mutant of mcog from aspergillus niger PDB Entry: PDBe RCSB PDBj
82	c5b7eA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: blue copper oxidase cueo; PDBTitle: structure of perdeuterated cueo PDB Entry: PDBe RCSB PDBj
83	c1kyaA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: laccase; PDBTitle: active laccase from trametes versicolor complexed with 2,5-xylidine PDB Entry: PDBe RCSB PDBj
84	c1kyaB	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: laccase; PDBTitle: active laccase from trametes versicolor complexed with 2,5-xylidine

						PDB Entry: PDBe RCSB PDBj PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure of laccase from coriolus zonatus at 2.6 a resolution PDB Entry: PDBe RCSB PDBj
85	c2hzhA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure of laccase from coriolus zonatus at 2.6 a resolution PDB Entry: PDBe RCSB PDBj
86	c7p2fA	 Alignment	not modelled	100.0	19	PDB header: metal binding protein Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: green-type copper-nitrite reductase from sinorhizobium meliloti 2011 PDB Entry: PDBe RCSB PDBj
87	c6im8A	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: blue copper oxidase cueo,pm2 peptide,blue copper oxidase PDBTitle: cueo-pm2 multicopper oxidase PDB Entry: PDBe RCSB PDBj
88	c1sddA	 Alignment	not modelled	100.0	22	PDB header: blood clotting Chain: A: PDB Molecule: PDBTitle: crystal structure of bovine factor vai PDB Entry: PDBe RCSB PDBj
89	c8g6iA	 Alignment	not modelled	100.0	22	PDB header: blood clotting Chain: A: PDB Molecule: PDBTitle: coagulation factor viii bound to a patient-derived anti-c1 domain2 antibody inhibitor PDB Entry: PDBe RCSB PDBj
90	c2uxtA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: protein sufi; PDBTitle: sufi protein from escherichia coli PDB Entry: PDBe RCSB PDBj
91	c3j2qB	 Alignment	not modelled	100.0	19	PDB header: blood clotting Chain: B: PDB Molecule: coagulation factor viii light chain; PDBTitle: model of membrane-bound factor viii organized in 2d crystals PDB Entry: PDBe RCSB PDBj
92	c3j2sA	 Alignment	not modelled	100.0	19	PDB header: blood clotting Chain: A: PDB Molecule: PDBTitle: membrane-bound factor viii light chain PDB Entry: PDBe RCSB PDBj
93	c1sddB	 Alignment	not modelled	100.0	24	PDB header: blood clotting Chain: B: PDB Molecule: coagulation factor v; PDBTitle: crystal structure of bovine factor vai PDB Entry: PDBe RCSB PDBj
94	c1zpuA	 Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: iron transport multicopper oxidase fet3; PDBTitle: crystal structure of fet3p, a multicopper oxidase that functions in2 iron import PDB Entry: PDBe RCSB PDBj
95	c5nq9A	 Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase, isoform ii; PDBTitle: crystal structure of laccases from pycnoporus sanguineus, isoform ii,2 monoclinic PDB Entry: PDBe RCSB PDBj
96	c5of5A	 Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: cu nitrite reductase serial data at varying temperatures PDB Entry: PDBe RCSB PDBj
97	c5d4hB	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: copper-containing nitrite reductase; PDBTitle: high-resolution nitrite complex of a copper nitrite reductase2 determined by synchrotron radiation crystallography PDB Entry: PDBe RCSB PDBj
98	c6k3dA	 Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: multicopper oxidase; PDBTitle: structure of multicopper oxidase mutant PDB Entry: PDBe RCSB PDBj
99	c5b1kA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: crystal structure of the chloride-bound form of blue copper nitrite2 reductase PDB Entry: PDBe RCSB PDBj
100	c5a7eA	 Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: coriolopsis gallica laccase; PDBTitle: crystallographic structural determination of a trigonal laccase from2 coriolopsis gallica (cgl) to 1.5 a resolution PDB Entry: PDBe RCSB PDBj
101	c6xizA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: copper oxidase; PDBTitle: crystal structure of multi-copper oxidase from pediococcus2 acidilactici PDB Entry: PDBe RCSB PDBj
102	c6kliA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure of the zea mays laccase 3 complexed with sinapyl PDB Entry: PDBe RCSB PDBj
103	c4jlvA	 Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: t2-depleted laccase from coriolopsis caperata PDB Entry: PDBe RCSB PDBj
104	c6z0kA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative multicopper oxidase mco; PDBTitle: crystal structure of laccase from pediococcus acidilactici pp59302 (hepes ph 7.5) PDB Entry: PDBe RCSB PDBj
105	c8s5xA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: high ph (8.0) as-isolated msox movie series dataset 10 of the copper2 nitrite reductase (nirk) from bradyrhizobium japonicum usda110 [3.53 mgy] PDB Entry: PDBe RCSB PDBj PDB header: oxidoreductase

106	c8rfxA	 Alignment	not modelled	100.0	18	Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: high ph (8.0) as-isolated msox movie series dataset 5 of the copper2 nitrite reductase from bradyrhizobium sp. ors375 (two-domain) [2.053 mgv] PDB Entry: PDBe RCSB PDBj
107	c1ndsA	 Alignment	not modelled	100.0	18	PDB header: Blank PDB header PDB COMPND:
108	c7z5pA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: copper oxidase; PDBTitle: bilirubin oxidase from bacillus pumilus PDB Entry: PDBe RCSB PDBj
109	c2h5uA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure of laccase from cerrena maxima at 1.9a resolution PDB Entry: PDBe RCSB PDBj
110	c5anhA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure of laccase from basidiomycete pm1 (cect 2971) PDB Entry: PDBe RCSB PDBj
111	c2hrgA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: laccase; PDBTitle: crystal structure of blue laccase from trametes trogii complexed with2 p-methylbenzoate PDB Entry: PDBe RCSB PDBj
112	c7kwoA	 Alignment	not modelled	100.0	21	PDB header: blood clotting Chain: A: PDB Molecule: PDBTitle: rfviifc-vwf-xten (bivv001) PDB Entry: PDBe RCSB PDBj
113	c6evgA	 Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: multi-copper oxidase cueo; PDBTitle: structural and functional characterisation of a bacterial laccase-like2 multi-copper oxidase cueo from lignin-degrading bacterium3 ochrobactrum sp. with oxidase activity towards lignin model compounds4 and lignosulfonate PDB Entry: PDBe RCSB PDBj
114	c3mmoA	 Alignment	not modelled	99.7	20	PDB header: oxidoreductase Chain: A: PDB Molecule: eight-heme nitrite reductase; PDBTitle: structure of the thioalkalivibrio nitratireducens cytochrome c nitrite2 reductase in complex with cyanide PDB Entry: PDBe RCSB PDBj
115	c5zlmA	 Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: spore coat protein a; PDBTitle: mutation in the trinuclear site of cota-laccase: h491c mutant, ph 8.0 PDB Entry: PDBe RCSB PDBj
116	c7qy4A	 Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: as isolated msox movie series dataset 5 (2 mgv) of the copper nitrite2 reductase from bradyrhizobium sp. ors 375 (two-domain) PDB Entry: PDBe RCSB PDBj
117	c3bnjA	 Alignment	not modelled	99.5	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c-552; PDBTitle: w. succinogenes nrfa y218f sulfite complex PDB Entry: PDBe RCSB PDBj
118	c6p73A	 Alignment	not modelled	99.6	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c-552; PDBTitle: cytochrome-c-nitrite reductase PDB Entry: PDBe RCSB PDBj
119	c1zv2A	 Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: copper-containing nitrite reductase; PDBTitle: cu-containing nitrite reductase PDB Entry: PDBe RCSB PDBj
120	c1qdbA	 Alignment	not modelled	99.5	17	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c nitrite reductase; PDBTitle: cytochrome c nitrite reductase PDB Entry: PDBe RCSB PDBj