




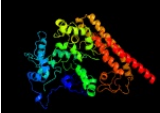




















































# Phyre2.2




















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 Date Wed Nov 27 10:14:46 GMT 2024  
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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6h5IA_</a>	 Alignment		100.0	50	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> kuenenia stuttgartiensis reducing hao-like protein complex2 kustc0457/kustc0458 <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
2	<a href="#">c3t9wA_</a>	 Alignment		100.0	37	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> small laccase, multi-copper oxidase; <b>PDBTitle:</b> small laccase from amycolatopsis sp. atcc 39116 <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
3	<a href="#">c5n0kA_</a>	 Alignment		100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> ceruloplasmin; <b>PDBTitle:</b> rat ceruloplasmin orthorhombic form <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
4	<a href="#">c6m0qG_</a>	 Alignment		100.0	32	<b>PDB header:</b> oxidoreductase <b>Chain:</b> G: <b>PDB Molecule:</b> <b>PDBTitle:</b> hydroxylamine oxidoreductase from nitrosomonas europaea <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
5	<a href="#">c6m0qA_</a>	 Alignment		100.0	32	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> hydroxylamine oxidoreductase from nitrosomonas europaea <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
6	<a href="#">c6hifA_</a>	 Alignment		100.0	30	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> glycerol <b>PDBTitle:</b> kuenenia stuttgartiensis hydrazine dehydrogenase complex <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
7	<a href="#">c4n4jA_</a>	 Alignment		100.0	30	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxylamine oxidoreductase; <b>PDBTitle:</b> kuenenia stuttgartiensis hydroxylamine oxidoreductase <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
8	<a href="#">c6t5eA_</a>	 Alignment		100.0	31	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> hydroxylamine oxidoreductase-like protein; <b>PDBTitle:</b> hydroxylamine oxidoreductase from brocadia fulgida <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
9	<a href="#">c4qo5A_</a>	 Alignment		100.0	23	<b>PDB header:</b> heme binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical multiheme protein; <b>PDBTitle:</b> hypothetical multiheme protein <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
10	<a href="#">c7bfmA_</a>	 Alignment		100.0	35	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative copper oxidase; <b>PDBTitle:</b> structure of the m198f m298f double mutant of the streptomyces2 coelicolor small laccase t1 copper site <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
11	<a href="#">c4najA_</a>	 Alignment		100.0	35	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper oxidase; <b>PDBTitle:</b> crystal structure of two-domain laccase from streptomyces lividans2 ac1709 in complex with azide after 90 min soaking <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>





















12	<a href="#">c4n8uB_</a>	 Alignment		100.0	35	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> two-domain laccase from streptomyces viridochromogenes at 2.4 a2 resolution ac629 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
13	<a href="#">c3tbbA_</a>	 Alignment		100.0	35	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> small laccase, oxidoreductase; <b>PDBTitle:</b> small laccase from streptomyces viridosporus t7a; alternate crystal2 form. <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
14	<a href="#">c6yzdC_</a>	 Alignment		100.0	35	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> <b>PDBTitle:</b> crystal structure of the m295a variant of ssl1 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
15	<a href="#">c7puhA_</a>	 Alignment		100.0	34	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> two-domain laccase; <b>PDBTitle:</b> crystal structure of two-domain laccase mutant h165a/r240h from2 streptomyces griseoflavus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
16	<a href="#">c7puhD_</a>	 Alignment		100.0	34	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> two-domain laccase; <b>PDBTitle:</b> crystal structure of two-domain laccase mutant h165a/r240h from2 streptomyces griseoflavus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
17	<a href="#">c3gdcA_</a>	 Alignment		100.0	30	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> crystal structure of multicopper oxidase <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
18	<a href="#">c7racA_</a>	 Alignment		100.0	29	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> crystal structure of a dodecameric multicopper oxidase from m.2 hydrothermalis in an orthorhombic lattice <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
19	<a href="#">c3zx1A_</a>	 Alignment		100.0	27	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> oxidoreductase, putative; <b>PDBTitle:</b> multicopper oxidase from campylobacter jejuni: a metallo-oxidase <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
20	<a href="#">c6voxA_</a>	 Alignment		100.0	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper oxidase; <b>PDBTitle:</b> crystal structure of multi-copper oxidase from pseudomonas parafulva <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
21	<a href="#">c4e9xA_</a>	 Alignment	not modelled	100.0	26	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> multicopper oxidase mglac (data3) <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
22	<a href="#">c6theA_</a>	 Alignment	not modelled	100.0	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> crystal structure of core domain of four-domain heme-cupredoxin-cu2 nitrite reductase from bradyrhizobium sp. ors 375 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
23	<a href="#">c1aozA_</a>	 Alignment	not modelled	100.0	26	<b>PDB header:</b> oxidoreductase(oxygen acceptor) <b>Chain:</b> A: <b>PDB Molecule:</b> ascorbate oxidase; <b>PDBTitle:</b> refined crystal structure of ascorbate oxidase at 1.9 angstroms2 resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
24	<a href="#">c4rkna_</a>	 Alignment	not modelled	99.6	18	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> mcca; <b>PDBTitle:</b> wolinnella succinogenes octaheme sulfite reductase mcca, form ii <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
25	<a href="#">c1kbvD_</a>	 Alignment	not modelled	100.0	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> major outer membrane protein pan 1; <b>PDBTitle:</b> nitrite-soaked crystal structure of the soluble domain of ania from2 neisseria gonorrhoeae <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>





26	<a href="#">c5tb7A_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> nitrite reductase; <b>PDBTitle:</b> structure of nitrite reductase ania from neisseria gonorrhoeae, space2 group p212121 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
27	<a href="#">c3wi9A_</a>	 Alignment	not modelled	100.0	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> nitrite reductase; <b>PDBTitle:</b> crystal structure of copper nitrite reductase from geobacillus2 kaustophilus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
28	<a href="#">c6iqzA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> bilirubin oxidase; <b>PDBTitle:</b> high resolution structure of bilirubin oxidase from myrothecium2 verrucaria - wild type <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
29	<a href="#">c4ystA_</a>	 Alignment	not modelled	100.0	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> nitrite reductase; <b>PDBTitle:</b> structure of copper nitrite reductase from geobacillus2 thermodenitrificans - 24.9 mg <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
30	<a href="#">c4rknD_</a>	 Alignment	not modelled	99.6	17	<b>PDB header:</b> unknown function <b>Chain:</b> D; <b>PDB Molecule:</b> mcca; <b>PDBTitle:</b> wolliella succinogenes octaheme sulfite reductase mcca, form ii <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
31	<a href="#">c3g5wD_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> metal binding protein <b>Chain:</b> D; <b>PDB Molecule:</b> multicopper oxidase type 1; <b>PDBTitle:</b> crystal structure of blue copper oxidase from nitrosomonas europaea <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
32	<a href="#">c3g5wA_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> metal binding protein <b>Chain:</b> A; <b>PDB Molecule:</b> multicopper oxidase type 1; <b>PDBTitle:</b> crystal structure of blue copper oxidase from nitrosomonas europaea <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
33	<a href="#">c4f7kA_</a>	 Alignment	not modelled	100.0	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of lac15 from a marine microbial metagenome <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
34	<a href="#">c5ytmA_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> c135a mutant of copper-containing nitrite reductase from geobacillus2 thermodenitrificans determined by in-ouse source <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
35	<a href="#">c1kbvA_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> major outer membrane protein pan 1; <b>PDBTitle:</b> nitrite-soaked crystal structure of the soluble domain of ania from2 neisseria gonorrhoeae <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
36	<a href="#">c5g3hA_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> thermus thermophilus multicopper oxidase; <b>PDBTitle:</b> preserving metallic sites affected by radiation damage the cut2 case2 in thermus thermophilus multicopper oxidase <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
37	<a href="#">c6tyrA_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccase from thermus thermophilus hb27 with a2 close conformation of its beta-hairpin <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
38	<a href="#">c2j5wA_</a>	 Alignment	not modelled	100.0	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> ceruloplasmin; <b>PDBTitle:</b> ceruloplasmin revisited: structural and functional roles of various2 metal cation binding sites <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
39	<a href="#">c3sqrA_</a>	 Alignment	not modelled	100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccase from botrytis aclada at 1.67 a resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
40	<a href="#">c4knuD_</a>	 Alignment	not modelled	100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D; <b>PDB Molecule:</b> multicopper oxidase type 1; <b>PDBTitle:</b> copper nitrite reductase from nitrosomonas europaea at ph 6.5 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
41	<a href="#">c3kw7A_</a>	 Alignment	not modelled	100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase b; <b>PDBTitle:</b> crystal structure of lacb from trametes sp. ah28-2 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
42	<a href="#">c3t6zA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of steocherium ochraceum laccase obtained by multi-2 crystals composite data collection technique (60% dose) <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
43	<a href="#">c6hbeC_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C; <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> cu-containing nitrite reductase (nirk) from thermus scotoductus sa-01 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
44	<a href="#">c5ehfA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> laccase from antrodia faginea <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
45	<a href="#">c1hfuA_</a>	 Alignment	not modelled	100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> laccase 1; <b>PDBTitle:</b> type-2 cu-depleted laccase from coprinus cinereus at 1.68 a resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
46	<a href="#">c2yqbA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> structure of p93a variant of three-domain heme-cu nitrite reductase2 from ralstonia pickettii at 1.4 a resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>

47	<a href="#">c2qt6A_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure determination of a blue laccase from lentinus2 tigrinus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
48	<a href="#">c2dv6A_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> nitrite reductase; <b>PDBTitle:</b> crystal structure of nitrite reductase from hyphomicrobium2 denitrificans <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
49	<a href="#">c2dv6C_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> nitrite reductase; <b>PDBTitle:</b> crystal structure of nitrite reductase from hyphomicrobium2 denitrificans <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
50	<a href="#">c2zooA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> probable nitrite reductase; <b>PDBTitle:</b> crystal structure of nitrite reductase from pseudoalteromonas2 haloplanktis tac125 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
51	<a href="#">c6rgpA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase 2; <b>PDBTitle:</b> 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. <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
52	<a href="#">c3gyrA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> phenoxazinone synthase; <b>PDBTitle:</b> structure of phenoxazinone synthase from streptomyces antibioticus2 reveals a new type 2 copper center. <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
53	<a href="#">c3gyrC_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> phenoxazinone synthase; <b>PDBTitle:</b> structure of phenoxazinone synthase from streptomyces antibioticus2 reveals a new type 2 copper center. <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
54	<a href="#">c6qq0A_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> crystal structure of nitrite bound y323e mutant of haem-cu containing2 nitrite reductase from ralstonia pickettii <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
55	<a href="#">c6f5kA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> extracellular laccase, lcc1; <b>PDBTitle:</b> crystal structure of laccase from myceliophthora thermophila <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
56	<a href="#">c6tfoC_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> crystal structure of as isolated three-domain copper-containing2 nitrite reductase from hyphomicrobium denitrificans strain 1 nes1 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
57	<a href="#">c4bxsB_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> blood clotting <b>Chain:</b> B: <b>PDB Molecule:</b> <b>PDBTitle:</b> crystal structure of the prothrombinase complex from the venom of2 pseudonaja textilis <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
58	<a href="#">c5ocfA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> electron transport <b>Chain:</b> A: <b>PDB Molecule:</b> nitrite reductase, copper-containing; <b>PDBTitle:</b> crystal structure of nitric oxide bound to three-domain heme-cu2 nitrite reductase from ralstonia pickettii <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
59	<a href="#">c4knuA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> multicopper oxidase type 1; <b>PDBTitle:</b> copper nitrite reductase from nitrosomonas europaea at ph 6.5 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
60	<a href="#">c8r7iA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> x-ray structure of blue laccase bp76 from the termite neocapritermes taracua <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
61	<a href="#">c7zn6A_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase-like multicopper oxidase 1; <b>PDBTitle:</b> crystal structure of laccase-like multicopper oxidase (lmco) from2 thermotheomycetes thermophilus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
62	<a href="#">c9bxaA_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> metal transport <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> structure of mnx h340a complex from bacillus sp. pl-12 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
63	<a href="#">c1v10A_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> structure of rigidoporus lignosus laccase from hemihedrally twinned2 crystals <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
64	<a href="#">c5lduA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase a; <b>PDBTitle:</b> recombinant high-redox potential laccase from basidiomycete trametes2 hirsuta <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
65	<a href="#">c5zl1A_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative copper-type nitrite reductase; <b>PDBTitle:</b> hexameric structure of copper-containing nitrite reductase of an2 anammox organism ksu-1 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
66	<a href="#">c5zl1D_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> putative copper-type nitrite reductase; <b>PDBTitle:</b> hexameric structure of copper-containing nitrite reductase of an2 anammox organism ksu-1 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>

67	<a href="#">c2q9oA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase-1; <b>PDBTitle:</b> near-atomic resolution structure of a melanocarpus albomyces laccase <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
68	<a href="#">c7kxyA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> blood clotting <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> cryo-em structure of human factor va at 4.4 angstrom resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
69	<a href="#">c6i5bA_</a>	 Alignment	not modelled	99.6	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of outer cell wall cytochrome ocwa <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
70	<a href="#">c5z1xA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccase from cerrena sp. rsd1 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
71	<a href="#">c3pxlA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> type-2 cu-depleted fungus laccase from trametes hirsuta <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
72	<a href="#">c1gyaA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase 2; <b>PDBTitle:</b> crystal structure determination at room temperature of a laccase from2 trametes versicolor in its oxidised form containing a full complement3 of copper ions <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
73	<a href="#">c5nq8A_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccases from pycnoporus sanguineus, izoform ii <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
74	<a href="#">c2xybA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of a fully functional laccase from the ligninolytic2 fungus pycnoporus cinnabarinus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
75	<a href="#">c6syyA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> periplasmic cell division protein (sufi); <b>PDBTitle:</b> crystal structure of mcoa multicopper oxidase from the2 hyperthermophile aquifex aeolicus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
76	<a href="#">c9f1tB_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> psychrophilic laccase (multicopper oxidase) from oenococcus oeni 2292 without histag <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
77	<a href="#">c5nq7A_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccases from pycnoporus sanguineus, izoform i <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
78	<a href="#">c3sxxA_</a>	 Alignment	not modelled	99.7	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> eight-heme nitrite reductase; <b>PDBTitle:</b> structure of a hexameric multiheme c nitrite reductase from the2 extremophile bacterium thioalkalivibrio paradoxus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
79	<a href="#">c3ppsD_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of an ascomycete fungal laccase from thielavia2 arenaria <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
80	<a href="#">c3ppsA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of an ascomycete fungal laccase from thielavia2 arenaria <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
81	<a href="#">c5lwxA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> crystal structure of the h253d mutant of mcoq from aspergillus niger <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
82	<a href="#">c5b7eA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> blue copper oxidase cueo; <b>PDBTitle:</b> structure of perdeuterated cueo <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
83	<a href="#">c1kyaA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> active laccase from trametes versicolor complexed with 2,5-xylidine <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
84	<a href="#">c1kyaB_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> active laccase from trametes versicolor complexed with 2,5-xylidine <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
85	<a href="#">c2hzhA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccase from coriolus zonatus at 2.6 a resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
86	<a href="#">c7p2fA_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> green-type copper-nitrite reductase from sinorhizobium meliloti 2011 <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
87	<a href="#">c6im8A_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> blue copper oxidase cueo,pm2 peptide,blue copper oxidase <b>PDBTitle:</b> cueo-pm2 multicopper oxidase <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>



88	<a href="#">c1sddA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> blood clotting <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> crystal structure of bovine factor vai <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
89	<a href="#">c8g6iA_</a>	 Alignment	not modelled	100.0	22	<b>PDB header:</b> blood clotting <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> coagulation factor viii bound to a patient-derived anti-c1 domain2 antibody inhibitor <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
90	<a href="#">c2uxtA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> protein sufi; <b>PDBTitle:</b> sufi protein from escherichia coli <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
91	<a href="#">c3j2qB_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> blood clotting <b>Chain:</b> B: <b>PDB Molecule:</b> coagulation factor viii light chain; <b>PDBTitle:</b> model of membrane-bound factor viii organized in 2d crystals <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
92	<a href="#">c3j2sA_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> blood clotting <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> membrane-bound factor viii light chain <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
93	<a href="#">c1sddB_</a>	 Alignment	not modelled	100.0	24	<b>PDB header:</b> blood clotting <b>Chain:</b> B: <b>PDB Molecule:</b> coagulation factor v; <b>PDBTitle:</b> crystal structure of bovine factor vai <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
94	<a href="#">c1zpuA_</a>	 Alignment	not modelled	100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> iron transport multicopper oxidase fet3; <b>PDBTitle:</b> crystal structure of fet3p, a multicopper oxidase that functions in2 iron import <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
95	<a href="#">c5nq9A_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase, isoform ii; <b>PDBTitle:</b> crystal structure of laccases from pycnoporus sanguineus, isoform ii,2 monoclinic <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
96	<a href="#">c5of5A_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> cu nitrite reductase serial data at varying temperatures <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
97	<a href="#">c5d4hB_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> high-resolution nitrite complex of a copper nitrite reductase2 determined by synchrotron radiation crystallography <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
98	<a href="#">c6k3dA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> multicopper oxidase; <b>PDBTitle:</b> structure of multicopper oxidase mutant <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
99	<a href="#">c5b1kA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> crystal structure of the chloride-bound form of blue copper nitrite2 reductase <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
100	<a href="#">c5a7eA_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> corioliopsis gallica laccase; <b>PDBTitle:</b> crystallographic structural determination of a trigonal laccase from2 corioliopsis gallica (cgl) to 1.5 a resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
101	<a href="#">c6xizA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper oxidase; <b>PDBTitle:</b> crystal structure of multi-copper oxidase from pediococcus2 acidilactici <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
102	<a href="#">c6kliA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of the zea mays laccase 3 complexed with sinapyl <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
103	<a href="#">c4jlvA_</a>	 Alignment	not modelled	100.0	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> t2-depleted laccase from corioliopsis caperata <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
104	<a href="#">c6z0kA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative multicopper oxidase mco; <b>PDBTitle:</b> crystal structure of laccase from pediococcus acidilactici pp59302 (hepes ph 7.5) <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
105	<a href="#">c8s5xA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> high ph (8.0) as-isolated msox movie series dataset 10 of the copper2 nitrite reductase (nirk) from bradyrhizobium japonicum usda110 [3.53 mgy] <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
106	<a href="#">c8rfxA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> high ph (8.0) as-isolated msox movie series dataset 5 of the copper2 nitrite reductase from bradyrhizobium sp. ors375 (two-domain) [2.053 mgy] <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
107	<a href="#">c1ndsA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> Blank PDB header <b>PDB COMPND:</b>
108	<a href="#">c7z5pA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper oxidase; <b>PDBTitle:</b> bilirubin oxidase from bacillus pumilus <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>
109	<a href="#">c2h5uA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccase from cerrena maxima at 1.9a resolution <b>PDB Entry:</b> <a href="#">PDBe RCSB PDBj</a>

110	<a href="#">c5anhA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of laccase from basidiomycete pm1 (cect 2971) <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
111	<a href="#">c2hrqA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> laccase; <b>PDBTitle:</b> crystal structure of blue laccase from trametes trogii complexed with 2 p-methylbenzoate <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
112	<a href="#">c7kwoA_</a>	 Alignment	not modelled	100.0	21	<b>PDB header:</b> blood clotting <b>Chain:</b> A: <b>PDB Molecule:</b> <b>PDBTitle:</b> rfviifc-vwf-xten (bivv001) <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
113	<a href="#">c6evgA_</a>	 Alignment	not modelled	100.0	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> multi-copper oxidase cueo; <b>PDBTitle:</b> structural and functional characterisation of a bacterial laccase-like 2 multi-copper oxidase cueo from lignin-degrading bacterium3 ochrobactrum sp. with oxidase activity towards lignin model compounds4 and lignosulfonate <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
114	<a href="#">c3mmoA_</a>	 Alignment	not modelled	99.7	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> eight-heme nitrite reductase; <b>PDBTitle:</b> structure of the thioalkalivibrio nitratireducens cytochrome c nitrite2 reductase in complex with cyanide <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
115	<a href="#">c5zlmA_</a>	 Alignment	not modelled	100.0	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> spore coat protein a; <b>PDBTitle:</b> mutation in the trinuclear site of cota-laccase: h491c mutant, ph 8.0 <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
116	<a href="#">c7qy4A_</a>	 Alignment	not modelled	100.0	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> as isolated msx movie series dataset 5 (2 mg) of the copper nitrite2 reductase from bradyrhizobium sp. ors 375 (two-domain) <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
117	<a href="#">c3bnjA_</a>	 Alignment	not modelled	99.5	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> cytochrome c-552; <b>PDBTitle:</b> w. succinogenes nrfa y218f sulfite complex <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
118	<a href="#">c6p73A_</a>	 Alignment	not modelled	99.6	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> cytochrome c-552; <b>PDBTitle:</b> cytochrome-c-nitrite reductase <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
119	<a href="#">c1zv2A_</a>	 Alignment	not modelled	100.0	16	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> copper-containing nitrite reductase; <b>PDBTitle:</b> cu-containing nitrite reductase <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>
120	<a href="#">c1qdbA_</a>	 Alignment	not modelled	99.5	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> cytochrome c nitrite reductase; <b>PDBTitle:</b> cytochrome c nitrite reductase <b>PDB Entry:</b> <a href="#">PDBe</a> <a href="#">RCSB</a> <a href="#">PDBj</a>