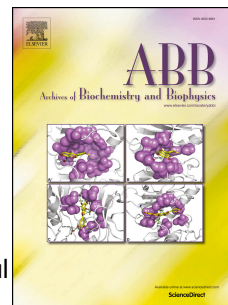


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Coproheme decarboxylases - phylogenetic prediction versus biochemical experiments

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Running title: Characterization of coproheme decarboxylases from all clades

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Abbreviations: ABTS, 2,2'-Azino-bis(3-ethylbenzthiazoline-6-sulfonic acid); Ahb, alternative heme biosynthesis; CdChdC, coproheme decarboxylase from *Corynebacterium diphtheriae*; CgdC, coproporphyrinogen decarboxylase; CgdH, coproporphyrinogen dehydrogenase; ChdC, coproheme decarboxylase; Cld, chlorite dismutase; LmChdC, coproheme decarboxylase from *Listeria monocytogenes*; NdChdC, coproheme decarboxylase from *Nitrosira defluvii*; NdCld, chlorite dismutase from *Nitrosira defluvii*; SaChdC, coproheme decarboxylase from *Staphylococcus aureus*; SsChdC, coproheme decarboxylase from *Sulfolobus solfataricus*

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