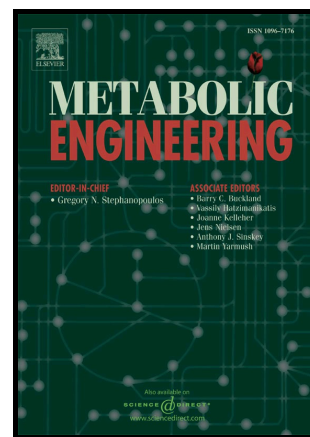


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Engineering of hydroxymandelate synthases and the aromatic amino pathway enables *de novo* biosynthesis of mandelic and 4-hydroxymandelic acid with *Saccharomyces cerevisiae*

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Abbreviations

Hydroxymandelate synthase, HmaS; mandelic acid, MA; 4-hydroxymandelic acid, HMA; phenylpyruvate, PPY; 4-hydroxyphenylpyruvate, HPP; phenylethanol, PET; p-hydroxyphenylethanol, pPET; phenylacetic acid, PAA

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