

University of Groningen

## Discovery and characterization of a putrescine oxidase from *Rhodococcus erythropolis* NCIMB 11540

van Hellemond, Erik W.; van Dijk, Marianne; Heuts, Dominic P. H. M.; Janssen, Dick B.; Fraaije, Marco W.

*Published in:*  
Applied Microbiology and Biotechnology

*DOI:*  
[10.1007/s00253-007-1310-4](https://doi.org/10.1007/s00253-007-1310-4)

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2008

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

van Hellemond, E. W., van Dijk, M., Heuts, D. P. H. M., Janssen, D. B., & Fraaije, M. W. (2008). Discovery and characterization of a putrescine oxidase from *Rhodococcus erythropolis* NCIMB 11540. *Applied Microbiology and Biotechnology*, 78(3), 455-463. <https://doi.org/10.1007/s00253-007-1310-4>

### Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

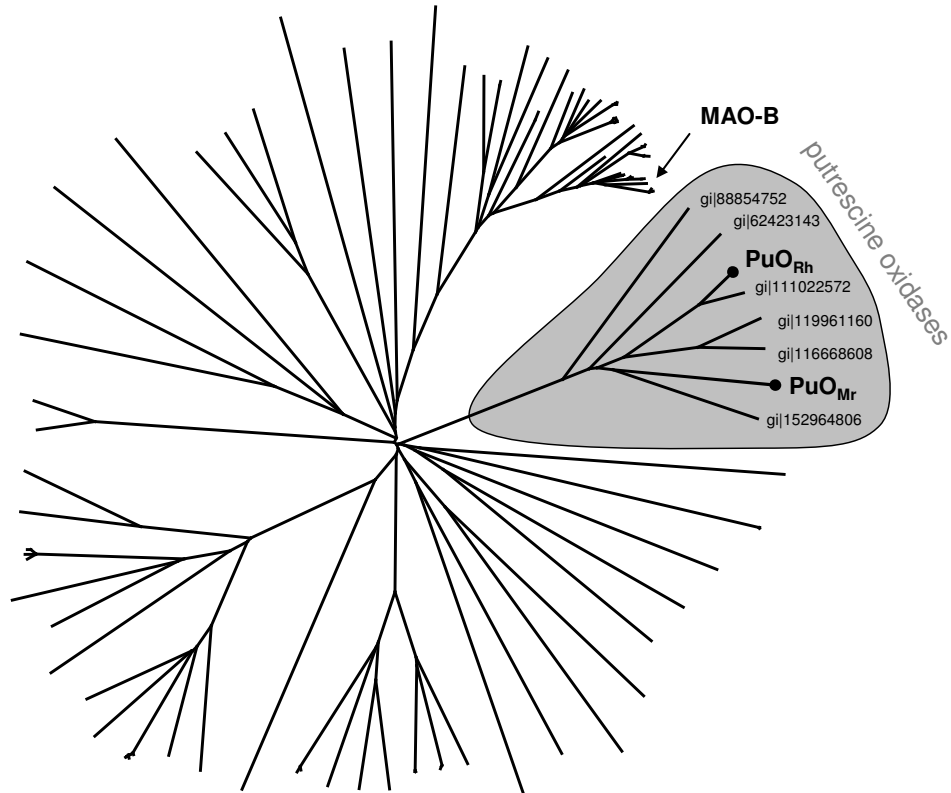
The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

### Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

1 **Supplementary information**



2

3 Unrooted phylogenetic tree representation of PuO<sub>Rh</sub> homologs which exhibit over 30%  
4 sequence identity (at the amino acid level) throughout the whole sequence. In gray the clade  
5 of putrescine oxidases. MAO-B, human monoamine oxidase B; PuO<sub>Rh</sub>, putrescine oxidase  
6 from *Rhodococcus erythropolis* NCIMB 11540; PuO<sub>Mr</sub>, putrescine oxidase from *Micrococcus*  
7 *rubens*.