

UC Berkeley

UC Berkeley Previously Published Works

Title

Author Correction: Complete biosynthesis of cannabinoids and their unnatural analogues in yeast

Permalink

<https://escholarship.org/uc/item/3fn1m6p5>

Journal

Nature, 580(7802)

ISSN

0028-0836

Authors

Luo, Xiaozhou
Reiter, Michael A
d'Espaux, Leo
[et al.](#)

Publication Date

2020-04-09

DOI

10.1038/s41586-020-2109-z

Peer reviewed

Author Correction: Complete biosynthesis of cannabinoids and their unnatural analogues in yeast

Xiaozhou Luo^{1*}, Michael A. Reiter^{1,2*}, Leo d’Espaux^{3†}, Jeff Wong^{3†}, Charles M. Denby^{1†}, Anna Lechner^{5,6†}, Yunfeng Zhang^{1,7}, Adrian T. Grzybowski¹, Simon Harth³, Weiyin Lin³, Hyunsu Lee^{3,8}, Changhua Yu^{3,6}, John Shin^{3,5}, Kai Deng^{4,9}, Veronica T. Benites³, George Wang³, Edward E. K. Baidoo³, Yan Chen³, Ishaan Dev^{3,5}, Christopher J. Petzold³, Jay D. Keasling

1. California Institute of Quantitative Biosciences (QB3), University of California, Berkeley, California 94720, United States
2. Department of Biosystems Science and Engineering, ETH Zurich, Mattenstrasse 26, 4058 Basel, Switzerland
3. Biological Systems and Engineering Division, Lawrence Berkeley National Laboratory, Berkeley, California 94720, United States
4. Department of Plant and Microbial Biology, University of California, Berkeley, CA 94720, United States
5. Department of Chemical & Biomolecular Engineering, University of California, Berkeley, California 94720, United States
6. Department of Bioengineering, University of California, Berkeley, California 94720, United States
7. Key Laboratory of Industrial Biotechnology, Ministry of Education, Jiangnan University, 1800 Lihu Road, Wuxi, Jiangsu 214122, China
8. Department of Chemistry, University of California, Berkeley, California 94720, United States
9. Biotechnology and Bioengineering Department, Sandia National Laboratories, Livermore, California 94551, United States

10. Novo Nordisk Foundation Center for Biosustainability, Technical University of Denmark, Building 220, Kemitorvet, DK-2800 Kgs, Lyngby, Denmark

11. Center for Synthetic Biochemistry, Institute of Synthetic Biology, Shenzhen Institutes of Advanced Technologies, Shenzhen, Guangdong 518055, China

†Present addresses: Demetrix, Inc., 5858 Horton Street, Emeryville, California 94608, USA (L.d'E., J.W.); Genomatica, Inc., 4755 Nexus Center Dr, San Diego, CA 92121, USA (A.L.); Berkeley Brewing Science, Inc., 2332 4th St, Suite E, Berkeley, California 94710, USA (C.M.D)

*These authors contributed equally to this work.

Correspondence and requests for materials should be addressed to J.D.K. (keasling@berkeley.edu).

Correction to: *Nature* <https://doi.org/10.1038/s41586-019-0978-9I>

In this Article, a paragraph was omitted from the ‘Data availability’ statement. The revised statement should read as follows: “Nucleotide sequence data of *Cannabis* candidate prenyltransferases are available in the third-party annotation section of the DDBJ/ENA/GenBank databases (Extended Data Table 4). Strains and plasmids developed for this study (Extended Data Table 1), along with annotated sequences, have been deposited in the Synthetic Biology Engineering Research Center (Synberc) Registry (<https://synberc-registry.jbei.org/>) and are physically available from the authors upon reasonable request. Custom Python 3.6 scripts for data analysis are available from the authors upon reasonable request. **Contractual obligations from commercial partnerships prohibit us from distributing (by ourselves or through a third party) strains described in our manuscript to for-profit commercial entities. However, we provide extensive genotypic descriptions of our strains, fully annotated DNA sequences, and detailed methods that enable others to build upon our work. Strains will be provided to nonprofit, government, or academic laboratories and institutions.** Strains producing controlled substances or their direct precursors can only be provided to laboratories and institutions with

appropriate approvals and licenses (for example, DEA permits).” The original Article has been corrected online.