

Aberystwyth University

Correction to

Huws, Sharon A.; Edwards, Joan E.; Lin, Wanchang; Rubino, Francesco; Alston, Mark; Swarbreck, David; Caim, Shabhonam; Stevens, Pauline Rees; Pachebat, Justin; Won, Mi Young; Oyama, Linda B.; Creevey, Christopher J.; Kingston-Smith, Alison H.

Published in: Microbiome

DOI:

10.1186/s40168-021-01122-w

Publication date: 2021

Citation for published version (APA):

Huws, S. A., Edwards, J. E., Lin, W., Rubino, F., Alston, M., Swarbreck, D., Caim, S., Stevens, P. R., Pachebat, J., Won, M. Y., Oyama, L. B., Creevey, C. J., & Kingston-Smith, A. H. (2021). Correction to: Microbiomes attached to fresh perennial ryegrass are temporally resilient and adapt to changing ecological niches. Microbiome, 9(1), [168]. https://doi.org/10.1186/s40168-021-01122-w

Document License CC BY

General rights

Copyright and moral rights for the publications made accessible in the Aberystwyth Research Portal (the Institutional Repository) are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

• Users may download and print one copy of any publication from the Aberystwyth Research Portal for the purpose of private study or research.

- You may not further distribute the material or use it for any profit-making activity or commercial gain
 You may freely distribute the URL identifying the publication in the Aberystwyth Research Portal

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.

tel: +44 1970 62 2400 email: is@aber.ac.uk

CORRECTION

Microbiome

Open Access

Check for updates

Correction to: Microbiomes attached to fresh perennial ryegrass are temporally resilient and adapt to changing ecological niches

Sharon A. Huws^{1,2*}, Joan E. Edwards^{2,3,4}, Wanchang Lin², Francesco Rubino¹, Mark Alston⁵, David Swarbreck⁵, Shabhonam Caim⁶, Pauline Rees Stevens², Justin Pachebat², Mi-Young Won¹, Linda B. Oyama^{1,2}, Christopher J. Creevey^{1,2†} and Alison H. Kingston-Smith^{2†}

Correction to: Microbiome 9, 143 (2021) https://doi.org/10.1186/s40168-021-01087-w

Following the publication of the original article [1], it was noticed that the figure image of Fig. 6 should be for Fig. 3. The image for Fig. 3 should be for Fig. 5 and Fig. 6 was missing. The correct Fig. 6 have been provided below and the original article has been updated to correct Figs. 3, 5 and 6.

Author details

¹Institute of Global Food Security, School of Biological Sciences, Queen's University Belfast, 19 Chlorine Gardens, Belfast, Northern Ireland BT9 5DL, UK.
²Institute of Biological, Environmental and Rural Sciences, Aberystwyth University, Aberystwyth SY23 3FG, UK. ³Laboratory of Microbiology, Wageningen University & Research, 6708 Wageningen, WE, Netherlands.
⁴Current work address: Palital Feed Additives, Velddriel, Netherlands.
⁵Earlham Institute, Norwich NR4 7UH, UK. ⁶Quadram Institute, Norwich NR4 7UA, UK.

Published online: 10 August 2021

Reference

 Huws SA, Edwards JE, Lin W, Rubino F, Alston M, Swarbreck D, et al. Microbiomes attached to fresh perennial ryegrass are temporally resilient and adapt to changing ecological niches. Microbiome. 2021). https://doi. org/10.1186/s40168-021-01087-w;9(1):143.

The original article can be found online at https://doi.org/10.1186/s40168-021-01087-w.

* Correspondence: S.huws@qub.ac.uk

[†]Christopher J. Creevey and Alison H. Kingston-Smith contributed equally to this work.

¹Institute of Global Food Security, School of Biological Sciences, Queen's University Belfast, 19 Chlorine Gardens, Belfast, Northern Ireland BT9 5DL, UK ²Institute of Biological, Environmental and Rural Sciences, Aberystwyth University, Aberystwyth SY23 3FG, UK

Full list of author information is available at the end of the article



© The Author(s). 2021 **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecommons.org/licenses/by/4.0/. The Creative Commons Public Domain Dedication waiver (http://creativecommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated in a credit line to the data.



Fig. 6 In-depth analysis of the temporal expression of differentially expressed carbohydrate-active enzyme (CAZymes, also known as glycosyl hydrolases (GH)) expressed genes by prokaryotes attached to fresh perennial ryegrass incubated within the rumen that differed significantly in their expression profile over rumen incubation time (line plots) and their respective taxonomic origins (bar chart below the corresponding line plot). Incubation time is indicated on the axis of the plots, i.e. T1 indicates an incubation time of 1 h. Brown bars: family Eubacteriaceae (genus *Eubacterium*); Pink bars: family Fibrobacteriaceae (genus *Fibrobacter*); Red bars: family Lachnospiraceae (genera *Butyrivibrio* and *Pseudobutyrivibro*); Blue bars: family Prevotellaceae (genus *Prevotella*); orange bars: Ruminococcaeae (genus *Ruminococcus*); Purple bars: Spirochaetaceae (genus *Treponema*). The significance of rumen incubation time on gene expression is indicated on each plot, with timepoint that significantly differ denoted by a different letter in the line plot