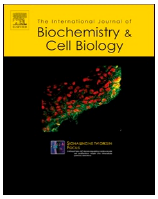
International Journal of Biochemistry and Cell Biology xxx (xxxx) xxxx

Contents lists available at ScienceDirect

International Journal of Biochemistry and Cell Biology

journal homepage: www.elsevier.com/locate/biocel



Corrigendum

Corrigendum to "Effects of therapeutic hypothermia on the gut microbiota and metabolome of infants suffering hypoxic-ischemic encephalopathy at birth" [Int. J. Biochem. Cell Biol. 93 (December) (2017), 110-118]

C. Watkins[a,b,e], K. Murphy[a], S. Yen[f], I. Carafa[a,b,h], E.M. Dempsey[c,d], C.A. O' Shea[d], E. Allen-Vercoe[f], R.P. Ross[a,b,g], C. Stanton[a,b], C.A. Ryan[c,d,*]

[a] Teagasc Food Research Centre, Moorepark, Fermoy, Co. Cork, Ireland
[b] APC Microbiome Institute, University College Cork, Ireland
[c] Infant Centre and Department of Paediatric and Child Health, University College Cork, Ireland
[d] Department of Neonatology, Cork University Maternity Hospital, Ireland
[e] Department of Microbiology, University College Cork, Ireland
[f] Department of Molecular and Cellular Biology, University of Guelph, Ontario, Canada
[g] School of Science, Engineering and Food Science, University College Cork, Cork, Ireland
[h] Department of Food Quality and Nutrition, Research and Innovation Centre-Fondazione Edmund Mach, San Michele all'Adige, Trento, Italy

The authors regret an error in the original heat map for Figure 4. The heat map highlighted an abundance of *Bifidobacterium* in the HIE treatment group which was incorrect. A new heat map has been generated which agrees with the results in the paper (see corrected Figure 4 below).

There is no correction required in the main text of the manuscript, just a correction for the legend for Fig. 4, as written below.

The authors would like to apologise for any inconvenience caused.

DOI of original article: https://doi.org/10.1016/j.biocel.2017.08.017

* Corresponding author at: Infant Centre and Department of Paediatric and Child Health, University College Cork, Ireland.
E-mail address: tony.ryan@ucc.ie (C.A. Ryan).

https://doi.org/10.1016/j.biocel.2019.05.019

Please cite this article as: C. Watkins, et al., International Journal of Biochemistry and Cell Biology, https://doi.org/10.1016/j.biocel.2019.05.019

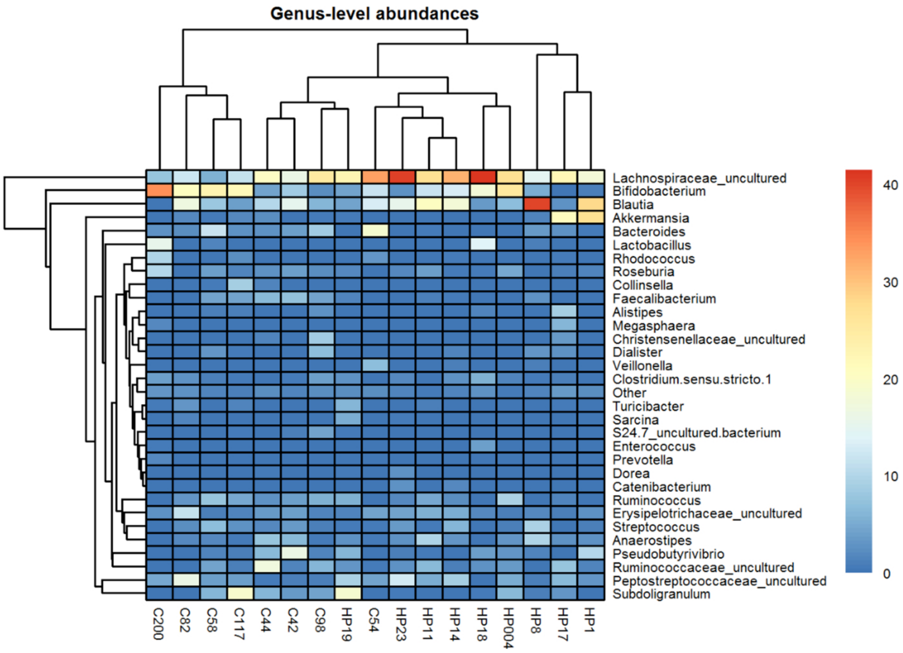


Fig. 4 Hierarchically clustered heat map showing correlations between the relative microbial compositions in each group (control = C, HIE treatment group = HP). Clustering was performed with the hclust function in the R package 'pheatmap'. The colour of each tile of the heat map indicates the strength of the correlation for a given genera (red = ˜ 35-40%, orange = ˜ 30-35%, yellow = ˜ 20-30%, white = ˜ 15-20%, light blue = ˜10-15%, blue = 0-10%).