



OPEN Publisher Correction: Menstrual cycle rhythmicity: metabolic patterns in healthy women

C. F. Draper^{1,3}, K. Duisters², B. Weger¹, A. Chakrabarti¹, A. C. Harms^{3,4}, L. Brennan⁵, T. Hankemeier^{3,4}, L. Goulet¹, T. Konz¹, F. P. Martin¹, S. Moco¹ & J. van der Greef^{3,4}

Correction to: Scientific Reports https://doi.org/10.1038/s41598-018-32647-0, published online 01 October 2018

In Figure 4, the panels showing the variability by cycle phases for Glycine, Serine, Methionine, Asparagine, Proline, Glutamine, Tyrosine, Gamma-glutamyl-alanine, Citrulline, O-Acetyl-serine, Alpha-aminobutyric acid and Gamma-glutamylglutamine were omitted. The correct Figure 4 appears below as Figure 1.

Published online: 03 April 2019

¹Nestle Institute of Health Sciences (NIHS), Lausanne, Switzerland. ²Mathematical Institute, Leiden University, Leiden, The Netherlands. ³Division of Analytical Biosciences, Leiden Academic Center for Drug Research, Leiden University, Leiden, The Netherlands. ⁴Netherlands Metabolomics Centre, Leiden, The Netherlands. ⁵University College Dublin, School of Agriculture and Food Science, Belfield, Dublin 4, Ireland. S. Moco and J. van der Greef jointly supervised this work. Correspondence and requests for materials should be addressed to C.F.D. (email: colleen.draper@rd.nestle.com)

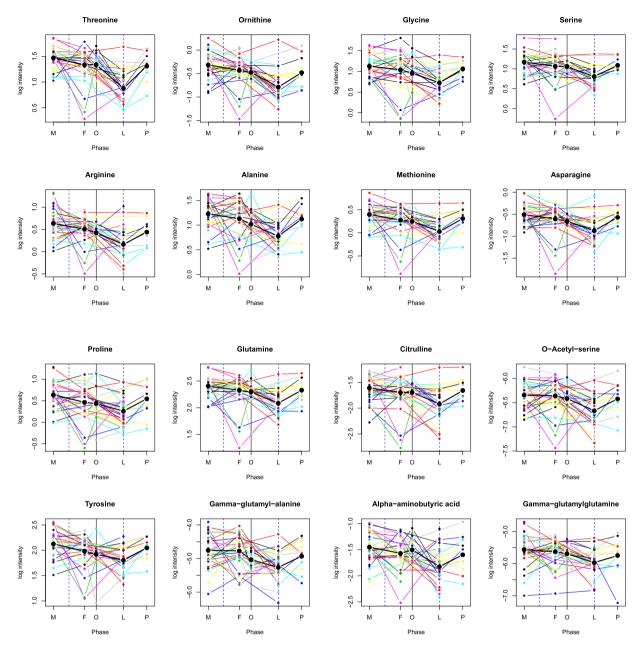


Figure 1. Amino acid variability by cycle phase. Mean log intensity is depicted along with individual variability for threonine, ornithine, arginine, alanine, glycine, serine, methionine, asparagine, proline, glutamine, tyrosine, gamma-glutamyl-alanine, citrulline, o-acetyl-serine, alpha-aminobutyric acid, and gamma-glutamylglutamine at one time point for each of the 5 menstrual phases (M = menstrual, F = follicular, O = periovular, L = luteal, P = premenstrual). Each colored line represents an individual. Amino acids are depicted which have 2 or more contrast comparisons meeting the multiple testing threshold of P = menstrual0. Statistically significant luteal phase reductions can be observed.

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 license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license 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 license, visit https://creativecommons.org/licenses/by/4.0/.

© The Author(s) 2019