

**CORRECTION**

**Open Access**



# Correction to: Validation of genomic predictions for body weight in broilers using crossbred information and considering breed-of-origin of alleles

Pascal Duenk<sup>1\*</sup> , Mario P. L. Calus<sup>1</sup>, Yvonne C. J. Wientjes<sup>1</sup>, Vivian P. Breen<sup>2</sup>, John M. Henshall<sup>2</sup>, Rachel Hawken<sup>2</sup> and Piter Bijma<sup>1</sup>

**Correction to: *Genet Sel Evol* (2019) 51:38**

<https://doi.org/10.1186/s12711-019-0481-7>

Following publication of original article [1], we noticed that there was an error: Eq. (3) on page 5 is the genomic relationship matrix that *ignores* the BOA ( $\mathbf{G}$ ), whereas it should be the genomic relationship matrix that *considers* the BOA ( $\mathbf{G}_{BOA}$ ). Hence, Eq. (3) should be:

$$\mathbf{G}_{BOA} = \begin{bmatrix} \mathbf{G}_{BOA,PB} & \mathbf{G}_{BOA,PB-CB} \\ \mathbf{G}_{BOA,CB-PB} & \mathbf{G}_{BOA,CB} \end{bmatrix} \\ = \begin{bmatrix} \frac{\mathbf{M}_{PB}\mathbf{M}'_{PB}}{\sum 2p_j(1-p_j)} & \frac{\mathbf{M}_{PB}\mathbf{T}'_{CB}}{\sum 2p_j(1-p_j)} \\ \frac{\mathbf{T}_{CB}\mathbf{M}'_{PB}}{\sum 2p_j(1-p_j)} & \frac{\mathbf{T}_{CB}\mathbf{T}'_{CB}}{\sum 2p_j(1-p_j)} \end{bmatrix}. \quad (3)$$

**Author details**

<sup>1</sup> Animal Breeding and Genomics, Wageningen University and Research, P.O. Box 338, 6700 AH Wageningen, The Netherlands. <sup>2</sup> Cobb-vantress Inc., Siloam Springs, AR 72761-1030, USA.

Published online: 11 November 2019

**Reference**

1. Duenk P, Calus MPL, Wientjes YCJ, Breen VP, Henshall JM, Hawken R, Bijma P. Validation of genomic predictions for body weight in broilers using crossbred information and considering breed-of-origin of alleles. *Genet Sel Evol.* 2019;51:38. <https://doi.org/10.1186/s12711-019-0481-7>.

**Publisher's Note**

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at <https://doi.org/10.1186/s12711-019-0481-7>.

\*Correspondence: [pascal.duenk@wur.nl](mailto:pascal.duenk@wur.nl)

<sup>1</sup> Animal Breeding and Genomics, Wageningen University and Research, P.O. Box 338, 6700 AH Wageningen, The Netherlands  
Full list of author information is available at the end of the article



© The Author(s) 2019. This article is distributed under the terms of the Creative Commons Attribution 4.0 International License (<http://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided 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 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.