



Corrigendum to **“Body weight prediction using body size measurements in Fleckvieh, Holstein, and Brown Swiss dairy cows in lactation and dry periods” published in Arch. Anim. Breed., 61, 413–424, 2018**

**Leonhard Gruber^{1,*}, Maria Ledinek^{2,*}, Franz Steininger³, Birgit Fuerst-Waltl², Karl Zottl⁴,
Martin Royer¹, Kurt Krimberger¹, Martin Mayerhofer³, and Christa Egger-Danner³**

¹Agricultural Research and Education Centre Raumberg-Gumpenstein, Irdning-Donnersbachtal, 8952, Austria

²Department of Sustainable Agricultural Systems, BOKU – University
of Natural Resources and Life Sciences Vienna, Vienna, 1180, Austria

³ZuchtData EDV-Dienstleistungen GmbH, Vienna, 1200, Austria

⁴LKV Niederösterreich, Zwettl, 3910, Austria

*These authors contributed equally to this work.

Correspondence: Maria Ledinek (ledinekmaria@yahoo.de)

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There is an error in Table 4 of the published paper. The equation under “Physiological stage, kg lactating (DIM = 1 to 365 p.p. – post partum)” was incorrect for Model_{HG BG HW}. The corrected Table 4 is found below.

Table 4. Estimates for the intercept, the fixed effects genotype, parity, and the regression coefficients for the body measurements heart girth (HG), belly girth (BG), and hip width (HW) in the two body weight prediction models Model_{HG BG} and Model_{HG BG HW}.

Estimates	Model _{HG BG}	Model _{HG BG HW}
Intercept, kg	-724.81	-833.39
Genotype ¹ , kg		
FV	-101.07	-79.985
FV × RH _m	-121.05	-133.55
FV × RH _h	-148.33	-121.77
HF	-16.418	0.7205
BS	0	0
Parity, kg		
1	-16.797	-9.4629
2	-7.0643	-4.6182
3 + 4	-0.9199	-2.2144
≥ 5	0	0
Body measurements ²		
Heart girth (HG), kg cm ⁻¹		
<i>b</i> _{HG}	3.1643	2.5192
<i>b</i> _{HG} × genotype ³		
<i>b</i> _{HG} × FV	1.0631	0.9442
<i>b</i> _{HG} × FV × RH _m	1.1516	1.2656
<i>b</i> _{HG} × FV × RH _h	0.7160	0.8393
<i>b</i> _{HG} × HF	-0.0485	0.00328
<i>b</i> _{HG} × BS	0	0
Belly girth (BG), kg cm ⁻¹		
<i>b</i> _{BG}	2.9949	2.9030
<i>b</i> _{BG} × genotype ³		
<i>b</i> _{BG} × FV	-0.3853	-0.4459
<i>b</i> _{BG} × FV × RH _m	-0.3985	-0.4750
<i>b</i> _{BG} × FV × RH _h	-0.01813	-0.0904
<i>b</i> _{BG} × HF	0.00439	0.03483
<i>b</i> _{BG} × BS	0	0
Hip width (HW), kg cm ⁻¹		
<i>b</i> _{HW}		4.7367
<i>b</i> _{HW} × genotype ³		
<i>b</i> _{HW} × FV		0.3378
<i>b</i> _{HW} × FV × RH _m		0.1046
<i>b</i> _{HW} × FV × RH _h		-0.6885
<i>b</i> _{HW} × HF		-0.6804
<i>b</i> _{HW} × BS		0
Physiological stage, ⁴ kg		
lactating (DIM = 1 to 365 p.p. – post partum)	2.7426 – 0.324907 × DIM + 0.00231406 × DIM ² – 0.00000567999 × DIM ³ + 4.74719 × 10 ⁻⁹ × DIM ⁴	3.82853 – 0.390321 × DIM + 0.00278743 × DIM ² – 0.00000738974 × DIM ³ + 7.23071 × 10 ⁻⁹ × DIM ⁴
dry (DIM = –56 to –1 a.p. – ante partum)	18.755 + 0.254644 × DIM	17.2602 + 0.226024 × DIM

¹ FV: Fleckvieh with Red Holstein (RH) proportion up to 10.0%; FV × RH_m: FV with medium RH gene proportion > 10.0 to ≤ 44.5%; FV × RH_h: FV with high RH gene proportion > 44.5%; HF: Holstein Friesian; BS: Brown Swiss. ² *b*_·: linear regression coefficient. ³ Select the regression coefficient of the respective genotype in addition to the pooled one (*b*_{HG}, *b*_{BG}, *b*_{HW}). ⁴ Curve fitted to the fixed effect of physiological stage separately for lactation and dry periods.