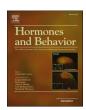
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## Corrigendum



Corrigendum to "Territorial scent-marking effects on vigilance behavior, space use, and stress in female Columbian ground squirrels" [Horm. Behav. 139 (2022) 105111]

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The authors regret that an error was made in the calculation of fecal cortisol metabolites (FCM) per gram feces due to a miscalculation of sample volumes of diluted fecal extract used per sample.

The calculation for FCMs (in ng hormone/g feces) is:

FCM (ng/g) = 
$$\frac{plate\ result(\frac{pg}{well}) \times extract\ volume\ (\mu L) \times dilution\ factor}{fecal\ weight\ (g) \times sample\ volume\ (\mu L) \times 1000}$$

The authors used 10  $\mu$ L as the sample volume in this formula, whereas the correct volume was actually 50  $\mu$ L. As a result, raw FCM values presented in the paper should be divided by 5. Note that this does not change the results (comparison between groups), only the raw values presented.

Thus, Section 3.4.1, page 8, column 2, which currently reads:

In response to the scent application, controlling for age, females exhibited a significant 36 % increase in FCM levels when exposed to

their own scent compared to the no scent condition (LMM; estimate = 747.5  $\pm$  301.0, t = 2.48, P = 0.03; Fig. 7A). No significant change was observed in the two other conditions (kin scent: estimate = 513.7  $\pm$  327.6, t = 1.57, P = 0.14; unfamiliar female scent: estimate = 557.5  $\pm$  277.7, t = 2.01, P = 0.07) (Fig. 7A).

Should read:

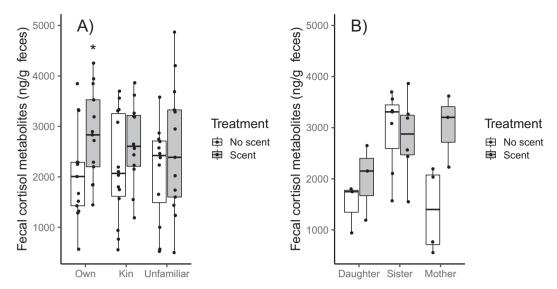
In response to the scent application, controlling for age, females exhibited a significant 36 % increase in FCM levels when exposed to their own scent compared to the no scent condition (LMM; estimate = 149.5  $\pm$  60.2, t= 2.48, P= 0.03; Fig. 7A). No significant change was observed in the two other conditions (kin scent: estimate = 102.7  $\pm$  65.5, t= 1.57, P= 0.14; unfamiliar female scent: estimate = 111.5  $\pm$  55.5, t= 2.01, P= 0.07) (Fig. 7A).

Similarly, Fig. 7, which currently shows FCM values ranging 498.8–4868.1 ng/g:

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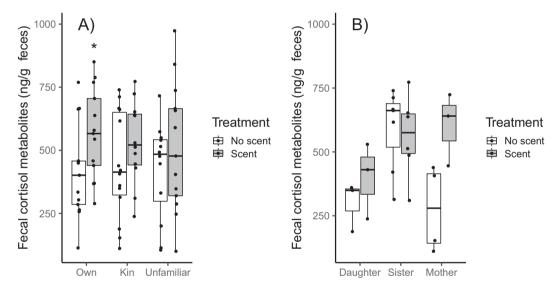
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Fecal cortisol metabolite levels of female Columbian squirrels either exposed to no scent (white boxplots) or the scent (grey boxplots) of (A) an unfamiliar female, a kin female, or their own scent; (B) within kin scents; the scent of a daughter, a sister, or their mother. Box plots show the median of the data distribution (bold line) along with its first and third quartiles (25th and 75th percentiles), corresponding to the lower and upper hinges of the boxes. The upper and lower whiskers extend, respectively, to the largest and smallest value of the data set, no further than  $1.5 \times IQR$  (where IQR is the inter-quartile range). Data beyond the end of the whiskers are plotted individually. Significant differences (P < 0.05) between the treatments are indicated by an asterisk.

Should actually show FCM values ranging 99.76-973.61 ng/g:



Fecal cortisol metabolite levels of female Columbian squirrels either exposed to no scent (white boxplots) or the scent (grey boxplots) of (A) an unfamiliar female, a kin female, or their own scent; (B) within kin scents; the scent of a daughter, a sister, or their mother. Box plots show the median of the data distribution (bold line) along with its first and third quartiles (25th and 75th percentiles), corresponding to the lower and upper hinges of the boxes. The upper and lower whiskers extend, respectively, to the largest and smallest value of the data set, no further than  $1.5 \times IQR$  (where IQR is the inter-quartile range). Data beyond the end of the whiskers are plotted individually. Significant differences (P < 0.05) between the treatments are indicated by an asterisk.

The authors would like to apologise for any inconvenience caused.