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Erratum and addendum

Diel activity cycles of freshwater gastropods under natural light: Patterns and ecological implications

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Erratum

Galba truncatula (O.F. Müller, 1774) was misidentified in Lombardo *et al.*'s (*Annales de Limnologie – Int. J. of Lim.*, 46 [2010], 29–40, DOI: 10.1051/limn/2010004). The taxon in question has been recently identified as *Stagnicola* (= *Lymnaea*) *fuscus* (C. Pfeiffer, 1821) on the basis of:

- a closer examination of shell morphology using Glöer & Meier-Brook (2003), performed in our laboratory;
- the molecular procedure based on Internal Transcribed Spacer 1 (ITS-1) sequencing, performed at the Institute of Evolutionary Sciences (Université Montpellier 2) by comparing known sequences from other lymnaeids from the publicly available GenBank database, and producing a phylogeny by maximum likelihood. Extractions were performed using DNA Mini Spin Columns (AllPrep DNA/RNA Mini Kit®, Qiagen, Chatsworth, CA). The nuclear Internal Transcribed Spacer 1 (ITS-1) gene was amplified using the published primers Lym1657/F (5'CTGCCCTTTGTACACACCG3') and RIXO1/R (5'TGGCTGCGTTCTTCATCG3'). PCR amplification is fully described in Correa *et al.* (2010). DNA sequencing was performed in both strands by GATC Biotech (Konstanz, Germany). Maximum likelihood trees were built using PhyML software (Guindon & Gascuel, 2003) with default parameters. Bootstrap values, indicating the confidence of a phylogenetic identification, strongly supported the molecular identification of *S. fuscus*. Bootstraps values were 91% for the placement of the sequenced snail species within the *S. fuscus* clade and 100% for the *S. fuscus* - *L. palustris* divergence.

The taxonomic re-examination has used living specimens from our long-term laboratory cultures, the same cultures that provided the experimental snails in Lombardo *et al.* (2010). The renaming of *S. fuscus* follows the nomenclature in Bank (2011) and does not affect the results and their discussion in Lombardo *et al.* (2010), except for direct comparisons with some literature on *G. truncatula*, which no longer apply.

Addendum

We have added a statistical analysis, a Fisher's Combined Probabilities test (CPT) to test for the probability of experiment-wide Type I errors in the *t*-tests of Tables A1 and A3. Such a test has been recommended as a more reliable test than any Bonferroni or Bonferroni-like procedure by Gotelli & Ellison (2004). Highly significant CPTs for such test-rich Tables ($\chi^2_{\text{TableA1}} = 419.324$, $df = 96$; $\chi^2_{\text{TableA3}} = 992.783$, $df = 264$; $p < 0.00001$ for both) indicated that our approach was appropriate and reliable, with a very low experiment-wide probability of committing Type I errors, and a confirmation of no need for Bonferroni corrections (Gotelli & Ellison, 2004).

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warmth, generosity, friendship, and passion for all kinds of aquatic "bugs".

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