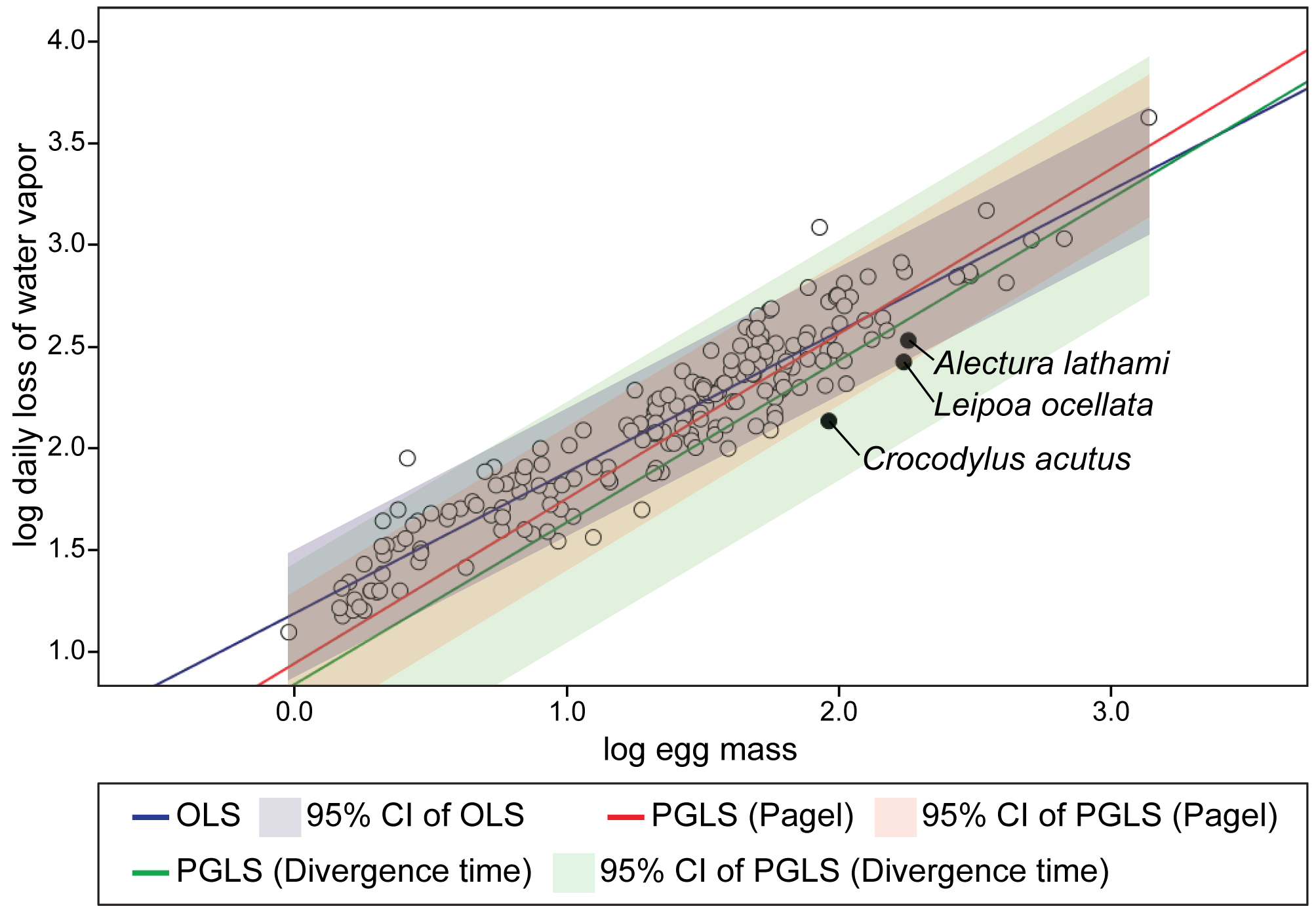
**S2 Fig. Bivariate plot of daily loss of water vapor and egg mass in living species.** Ordinary least square (OLS) and phylogenetic generalized least square (PGLS) regressions as well as the 95% confidence intervals (CIs) were conducted for living archosaur species using IBM SPSS Statistics v. 22.0.0 (IBM SPSS Inc.) and PDAP module v.1.15 [1] of the software Mesquite 3.02 [2]. For the phylogenetic approach, a phylogenetic tree of 196 species was reconstructed (S1 Fig.) and tree lengths were assigned based on Pagel's method [3] and divergence time. White and black dots represent open and covered nesters, respectively. Note that log MH2O is strongly correlated with log M (*r2* = 0.888 for OLS, 0.638 for PGLS with Pagel's branch length method, and 0.670 for PGLS with the divergence time method).



**References**

1. Midford PE, Garland Jr. T, Maddison WP (2010) PDAP package of Mesquite, version 1.15. See http://mesquiteproject.org/pdap\_mesquite/index.html.

2. Maddison WP, Maddison DR (2010) Mesquite: a modular system for evolutionary analysis. Version 2.73. See http://mesquiteproject.org.

3. Pagel MD (1992) A method for the analysis of comparative data. Journal of Theoretical Biology 156: 431-442.