

Additional File 7: Bivariate analysis of lip size by body length (mm), fitted with quadratic line for thin- and thick-lipped fishes.

A plot of lip size (total lip area, mm²) by body length (standard length, mm) with quadratic lines of best-fit shows the different relationship of lip and body size in each of the morphs (n = 309 thin-lipped, n = 71 thick-lipped). A quadratic line (df = 2) had improved goodness-of-fit to the data over a linear (df = 1) regression (thin-lipped: adjusted $R^2 = 0.705$ vs. 0.672, thick-lipped: adjusted R^2 0.506 vs. 0.461; non-transformed data).

