



**Supplementary Figure S1:** Multivariate allometric coefficients for female and male traits when size varies with food concentration at different P:C ratios (A, B) and with P:C ratio at different food concentrations (C, D), using only data from vials with more than five individuals of the same sex. The allometric coefficients are standardized such that a coefficient of 1 indicates a trait scales isometrically to body size (horizontal dashed line). Error bars are 95% confidence intervals calculated from 1000 bootstrap samples.