



Figure S2. Mean size-corrected intestine length (ILI) and trophic position in the food web (based on mean $\delta^{15}\text{N}$) for each individual in the 32 species dataset of Lake Tanganyikan cichlids. This figure is the individual equivalent to Figure 2, which shows species mean data. Each symbol represents one individual, individuals of the same species have the same symbol type, and colors indicate trophic guilds. Regression lines are derived from generalized least squares regression where a) $\lambda = 0$ (red line; $y = 2.4890 + -0.1640x$; $r^2 = 0.5902$), equivalent to ordinary least squares regression without phylogenetic correction, b) $\lambda = 0.7180$ (ML estimate; black line; $y = 2.2572 + -0.1287x$; $r^2 = 0.5093$) and c) $\lambda = 1$ (blue line; $y = 2.0371 + -0.0907x$; $r^2 = 0.4036$). Species are color-coded by trophic guild inferred from gut contents (Hori et al. 1993; P. McIntyre unpublished data).