



**FIGURE S4** | Principal Component Analysis (PCA) used to investigate variations in ecomorphological indices between *Cichla kelberi* and *C. piquiti*. Figs. A and C show the ordination scores for the first three axes, and figs. B and D show the loadings of each ecomorphological index. A = Head length; B = Eye position; C = Gape size; D = Mouth width; E = Body depth; F = Body lateral compression; G = Peduncle compression; H = Peduncle length; I = Caudal fin (height); J = Caudal fin (length).



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