



FIGURE S4 | Relationship between morphological traits and environmental variables of the first two axes of the RLQ of the species along the lower Iguazu River. (A) Ordering of the sampled environments (for codes see Tab. S1), colored according to the percentage forest coverage in streams; (B) Ordering of the six environmental variables (for codes see Tab. S6) selected from the Spearman’s correlation; (C) Ordering of the morphological traits (for codes see Tab. S3) of the fishes; (D) Ordering of the species evaluated according to morphological traits. Codes: FC%: Percentage forest coverage, Pbi = *Psalidodon bifasciatus*, Adi = *Astyanax dissimilis*, Pgy = *Psalidodon gymnodontus*, Ala = *Astyanax lacustris*, Ami = *Astyanax minor*, Amu = *Ancistrus mullerae*, Bik = *Bryconamericus ikaa*, Cca = *Corydoras carlae*, Gbr = *Geophagus brasiliensis*, Gin = *Gymnotus inaequilabiatus*, Gpa = *Gymnotus paraguensis*, Gsy = *Gymnotus sylvius*, Han = *Hypostomus ancistroides*, Hde = *Hypostomus derbyi*, Hep = *Heptapterus* sp., Hop = *Hoplias* aff. *malabaricus*, Phf = *Phalloceros harpagos* (female), Prf = *Poecilia reticulata* (female), Phm = *Phalloceros harpagos* (male), Prm = *Poecilia reticulata* (male), Rbr = *Rhamdia branneri*, Rvo = *Rhamdia voulezi*, Sma = *Synbranchus marmoratus*, Cda = *Cambeva davisi*, Cmb = *Cambeva mboycey*, Csp1 = *Cambeva* sp. 1, Csp2 = *Cambeva* sp. 2, Cst = *Cambeva stawiarski*.



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