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Supplementary material

Changes in food web structure of fish assemblages along a river-to-ocean transect of a coastal subtropical system

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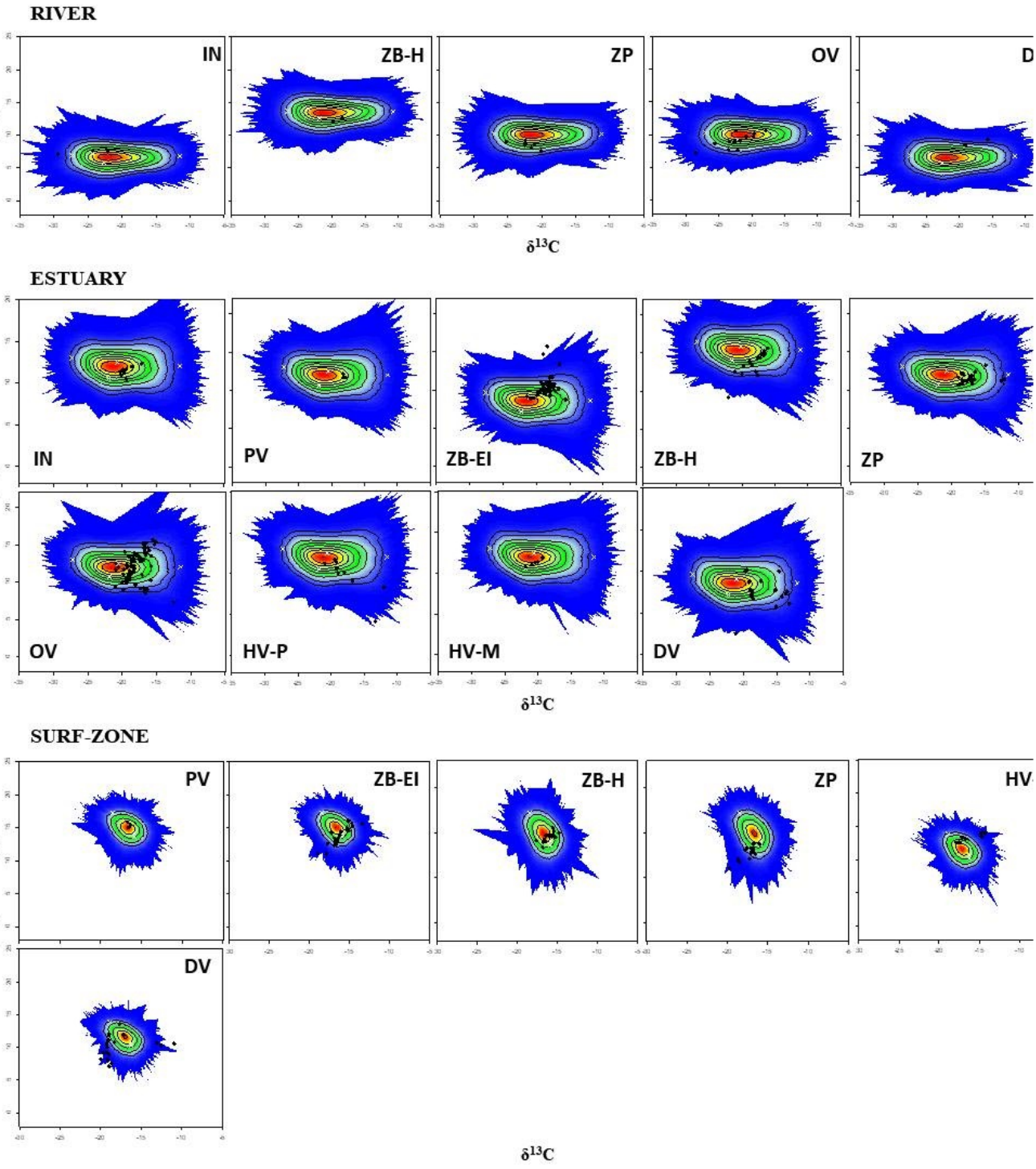

Fig. S1. Biplots of carbon ($\delta^{13}C$) and nitrogen ($\delta^{15}N$) stable isotope ratios with simulated mixing polygons, where filled circles represent consumers within each trophic guild and white crosses average autotrophic sources values. Colour gradient represents probability contours which indicate how often a mixing polygon encloses an area. The outermost contour represents the 5% likelihood fit of a mixing model. The isotopic composition of those consumers situated outside the 95% mixing region (the outermost contour) cannot be adequately explain by the mixing model. Codes for trophic guilds are piscivore (PV), zoobenthivores of epifauna-infauna (ZB-EI), zoobenthivores of hyperbenthos (ZB-H), zooplanktivore (ZP), omnivore (OV), herbivore of phytoplankton (HV-P); herbivore of macroalgae or macrophytes (HV-M), detritivore (DV) and insectivore (IN).

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Table S1. Number of stomach content analysed (N) and relative contributions of prey categories (Alimentary Index, IAi) for each trophic guild in the study area

Codes for trophic guilds are piscivore (PV), zoobenthivores of epifauna-infauna (ZB-EI), zoobenthivores of hyperbenthos (ZB-H), zooplanktivore (ZP), omnivore (OV), herbivore of phytoplankton (HV-P); herbivore of macroalgae or macrophytes (HV-M), detritivore (DV) and insectivore (IN). Codes for preys categories are Decapoda (DECAPO), Insecta (INSECT), Teleostei (TELEOS), Zoobenthos (ZOOBEN), Zooplankton (ZOOPLA), Microalgae (MICALG), Macroalgae (MACALG), Vegetation (MATVEG)

GUILD	N	DECAPO	INSECT	TELEOS	ZOOBEN	ZOOPLA	MICALG	MACALG	MATVEG
IN	49	–	94.81	–	0.02	–	3.79	1.38	0.01
PV	6	–	–	100.00	–	–	–	–	–
ZB-EI	133	0.31	0.01	0.12	91.56	6.00	0.01	1.70	0.28
ZB-H	68	69.75	0.02	22.62	4.17	3.43	–	–	–
ZP	127	0.25	0.04	0.01	4.26	95.41	0.03	–	–
OV	258	0.81	0.13	19.85	37.18	2.32	–	1.32	38.39
HV-P	48	–	–	–	0.16	1.24	98.45	0.14	–
HV-M	8	4.44	–	7.01	0.01	–	0.01	86.21	2.33
DV[A]									

[A]The alimentary index (IAi) was not computed to the guild detritivore (DV) because we did not carry out stomach content analysis of mullet species. This guild was classified according to the literature (see Table 1 and the cited references therein).