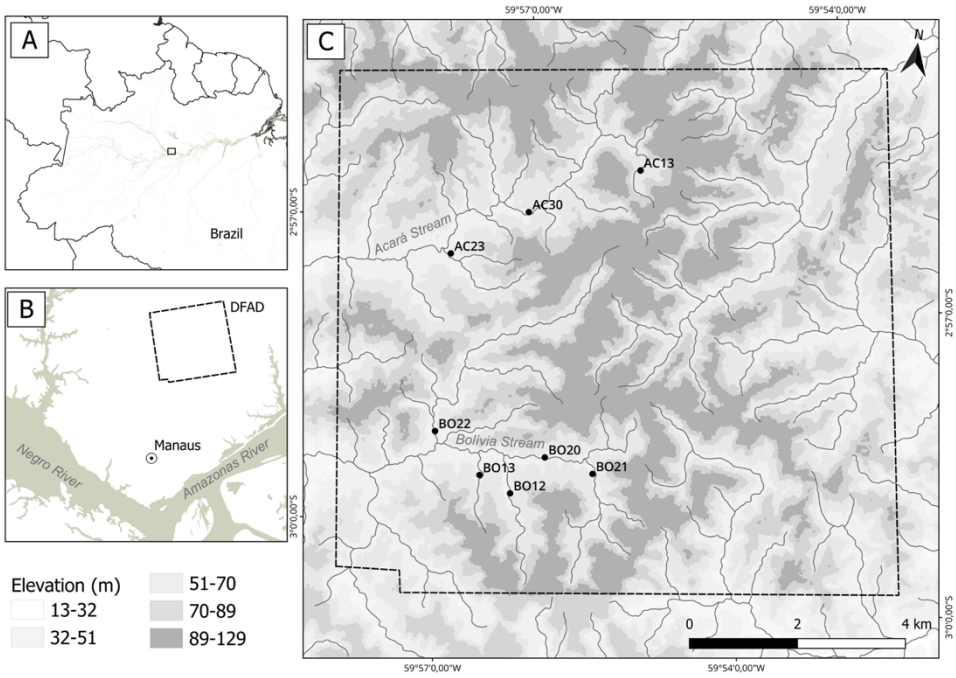
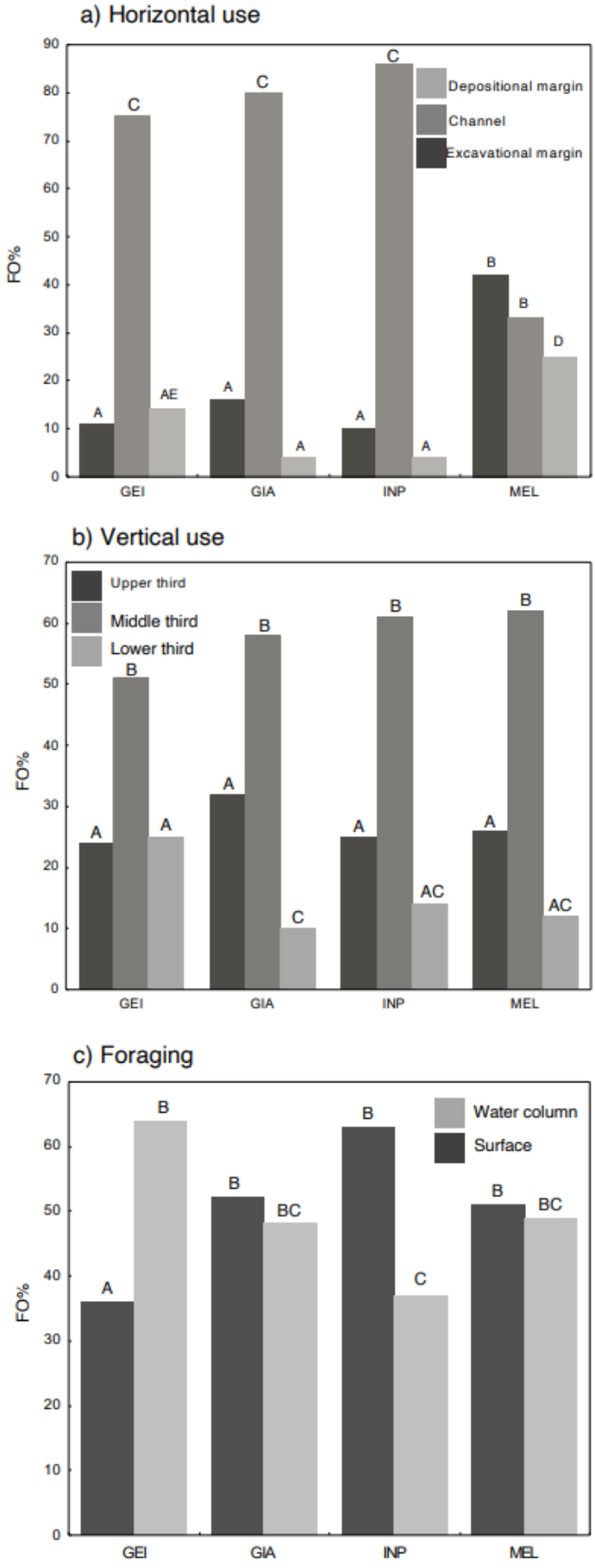


SMF 1. Geographic location of **A.** Brazil, **B.** Reserva Forestal Adolpho Ducke (RFAD) north of the city of Manaus, and **C.** sampling sites for specimen collection and underwater observations in the studied streams (●).

SMT 1

Co-occurrence situations in which the species were found in the studied streams

Species	AC30	BO13	AC23	AC13	BO20	BO12	BO21	BO22
Bryconops giacopinii	x		x		x	x	x	x
Bryconops inpai				x				
Hyphessobrycon aff. *melazonatus*		x	x	x	x	x	x	x
Iguanodectes geisleri						x	x	x


a) Horizontal use
FO%
Depositional margin
Channel
Excavational margin
GEI
GIA
INP
MEL
b) Vertical use
Upper third
Middle third
Lower third
c) Foraging
Water column
Surface

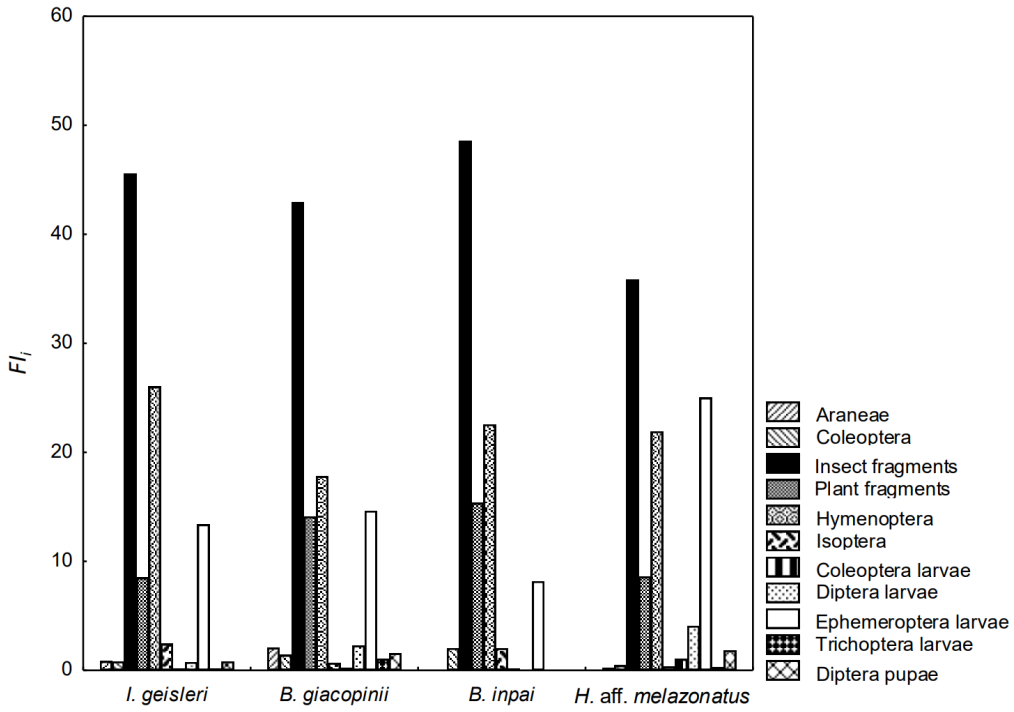
SMF 2. Frequency of Occurrence (FO %) for **A.** horizontal and **B.** vertical space use and **C.** foraging among the four species in the eight sampled streams. GEI = *Iguanodectes geisleri*; GIA = *Bryconops giacopinii*; INP = *Bryconops inpai*; MEL = *Hyphessobrycon* aff. *melazonatus*. Significant differences ($p < 0.05$) in comparisons within species (water column x surface) and between species (water column or surface among GEI, GIA, INP, and MEL) are indicated by different letters.

SMT 2

Proportion of the Food Index (FI_i) for each food category found in the stomach contents of the four stream fish species studied in the Amazon Rainforest

	B. giacopinii (n = 60)			*B. inpai* (n = 10)			*H.* aff. *melazonatus* (n = 70)			*I. geisleri* (n =30)		
	F_i	V_i	FI_i	F_i	V_i	FI_i	F_i	V_i	FI_i	F_i	V_i	FI_i
Allochthonous food items												
Isoptera	16.67	2.98	0.68	30	5.56	2.03	17.14	1.51	0.35	43.33	4.71	2.43
Hymenoptera	98.33	13.14	17.81	100	18.54	22.56	87.14	18.64	21.93	96.67	22.55	26.03
Plant Fragments	83.33	12.29	14.12	90	14.02	15.35	75.71	8.40	8.59	86.67	8.22	8.50
Insect Fragments	96.67	32.22	42.94	100	39.92	48.59	94.29	28.14	35.81	96.67	39.50	45.59
Coleoptera	28.33	3.60	1.41	50	3.36	2.04	17.14	1.96	0.45	33.33	2.04	0.81
Araneae	33.33	4.52	2.08	0	0	0	10	1.45	0.20	33.33	2.12	0.84
Autochthonous food items												
Coleoptera Larvae	16.67	0.84	0.19	10	1.42	0.17	22.86	3.36	1.04	23.33	0.59	0.16
Diptera Pupae	50	2.28	1.57	0	0	0	45.71	2.98	1.84	46.67	1.48	0.82
Trichoptera Larvae	36.67	2.07	1.05	0	0	0	18.57	1.05	0.26	16.67	0.76	0.15
Ephemeroptera Larvae	90	11.80	14.64	80	8.40	8.18	90	20.59	25.01	96.67	11.60	13.39
Diptera Larvae	58.33	2.83	2.28	10	0.13	0.02	64.29	4.71	4.09	40	1.61	0.77

The FI_i reflects the contribution and importance of each food category in the diet of the specimens. F_i is the frequency of occurrence and V_i is the relative volume.



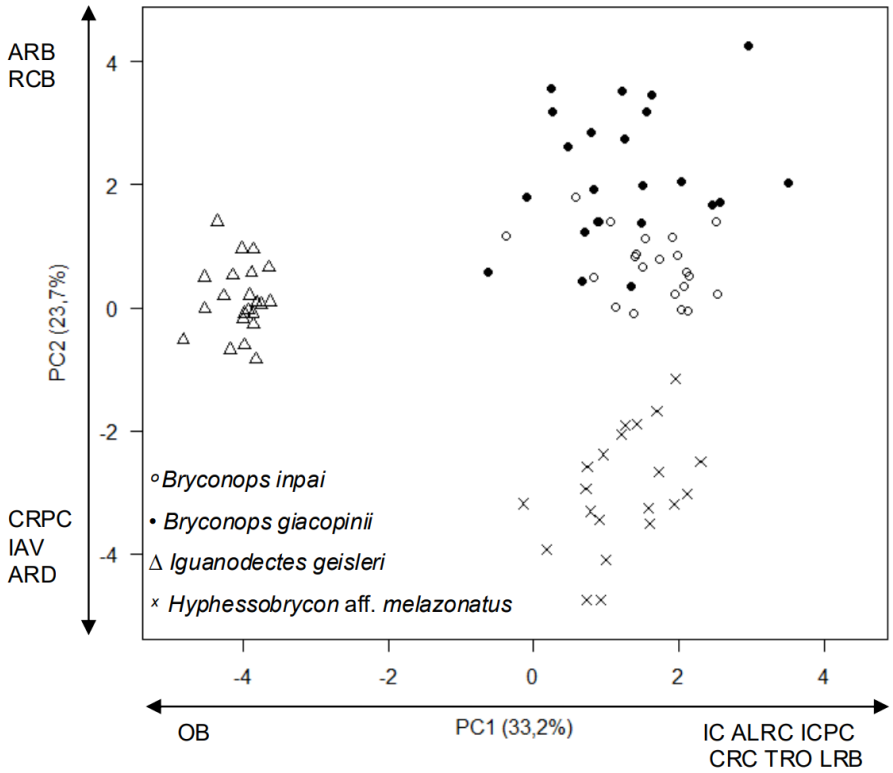
SMF 3. Proportion of the Food Index (FI_i) for each food category found in the stomach contents of the four stream fish species studied in the Amazon Rainforest. The FI_i reflects the contribution and importance of each food category in the diet of the specimens. Only food categories with an FI_i value greater than 1 for at least one species are shown.

SMT 3

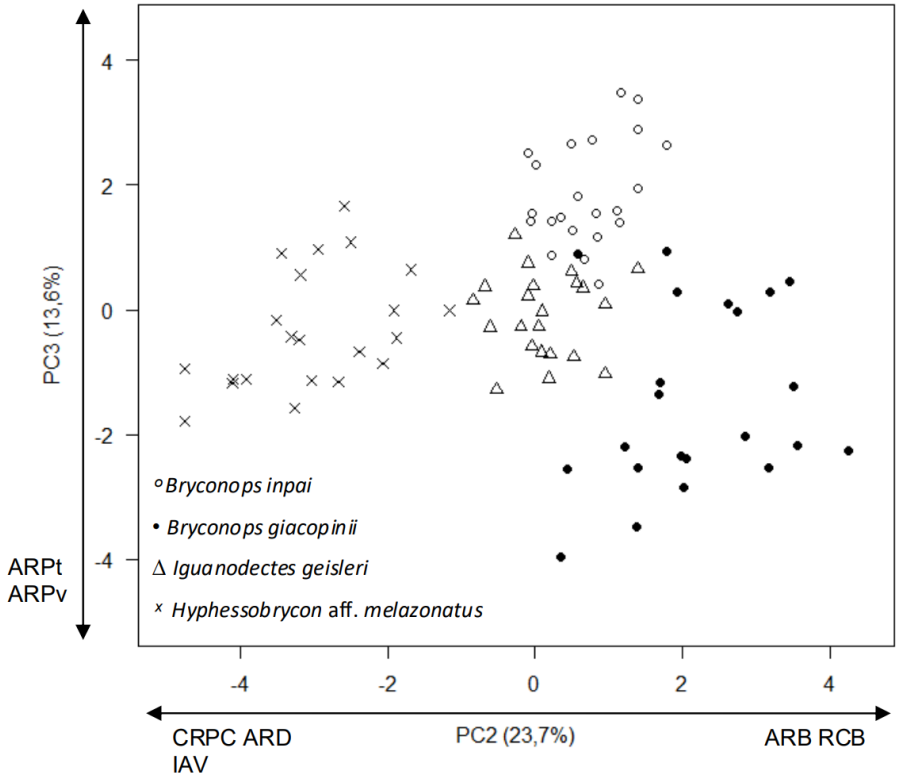
Results of the MANOVA test for differences in stomach content among species pairs with Holm-s correction ($p < 0.006$)

Pairwise species	F	r^2	p
MEL-GIA	51.335	0.45	<0.001
MEL-INP	33.465	0.41	<0.001
MEL-GEI	42.316	0.43	<0.001
GIA-INP	2.318	0.37	0.016
GIA-GEI	2.071	0.29	0.018
INP-GEI	2.412	0.52	0.007

GIA–*B. giacopinii*; MEL–*H.* aff. *melazonatus*; INP–*B. inpai*; GEI–*I. geisleri*.



SMF 4. Principal Component Analysis (PCA)-PC1 and PC2. Distribution of individuals of the four species in the ecomorphological space. OB–mouth orientation; IC–compression index; ALRC–relative body height; ICPC–caudal peduncle compression index; CRC–relative head length; TRO–relative eye size; LRB–relative mouth width; ARB–relative mouth height; RAB–mouth configuration ratio; CRPC–relative caudal peduncle length; ARD–relative dorsal fin area.



SMF 5. Principal Component Analysis (PCA)-PC1 and PC2. Distribution of individuals of the four species in the ecomorphological space. CRPC–relative lenght of caudal peduncle; ARD–relative dorsal fin area; ARB–relative mouth height; RAB–mouth configuration ratio; ARPt–relative area of pectoral fin; ARPv–relative area of pelvic fin.

SMT 4

Results of the MANOVA test for morphological differences among species pairs, with a corrected significance level of $p < 0.006$ (Holm, 1979)

Pairwise species	F	r^2	p
MEL-GIA	29.022	0.40	<0.001
MEL-INP	6.878	0.15	<0.001
MEL-GEI	84.825	0.66	<0.001
GIA-INP	24.264	0.36	<0.001
GIA-GEI	56.223	0.57	<0.001
INP-GEI	106.26	0.71	<0.001

GIA–*B. giacopinii*; MEL–*H.* aff. *melazonatus*; INP–*B. inpai*; GEI–*I. geisleri*.