

**TABLE S1** | Statistical results for relative marginal increment analyses in the AMU system.

**TABLE S1.1** | One-way Analysis of Variance of mean monthly relative marginal increments from 217 individuals of *Pseudoplatystoma punctifer* in the AMU system. Degrees of freedom (DF), adjusted sums of squares (Adj SS), adjusted mean squares (Adj MS)

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	9	21813	2423.7	7.45	0.00
Error	207	67328	325.3		
Total	216	89142			

**TABLE S1.2** | Mean monthly relative marginal increments from individuals of *Pseudoplatystoma punctifer* in the AMU system. Different letters indicate significant differences ( $p < 0.05$ ) according to Tukey's post-hoc test. Number of individuals (N), month (factor).

Factor	N	Mean	Group			
Apr	36	74.18	A			
May	32	68.98	A			
Jul	7	66.48	A	B	C	
Mar	27	66.25	A			
Jun	26	64.71	A	B		
Feb	20	63.71	A	B	C	
Aug	25	59.7	A	B	C	
Jan	38	48.36			C	D
Dec	4	34.95		B	C	D
Sep	2	17.28				D



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Official Journal of the Sociedade Brasileira de Ictiologia

#### HOW TO CITE THIS ARTICLE

- **Armas M, Ortega H, Garcia-Vasquez A, Garcia-Davila C, Vargas G, Nuñez J, Renno Jean-François, Duponchelle F.** Age validation and contrasted growth performances of *Pseudoplatystoma punctifer* (Siluriformes: Pimelodidae) in two river systems of the Western Amazon. *Neotrop Ichthyol.* 2022; 20(1):e210099. <https://doi.org/10.1590/1982-0224-2021-0099>