

**TABLE S5 |** Models selected by the Akaike selection criteria (AIC) as predictors of the variation in the Gonadosomatic Index (GSI) of males of *Hyphessobrycon heterorhabdus* sampled between March 2019 and January 2020 in streams of the Guamá River basin, Eastern Amazon, State of Pará, Brazil. The bold line corresponds to the best model selected by the Akaike criteria.

	Intercept	Electrical conductivity	Structural complexity of the substrate	pH	Temperature	Stream discharge	df	logLik	AICc	delta	weight
Males	<b>-11.76</b>	<b>-0.0821</b>			<b>0.5926</b>	<b>-3.346</b>	<b>5</b>	<b>-136.34</b>	<b>283.4</b>	<b>0</b>	<b>0.262</b>
	-8.309	-0.0764		0.3053	0.3956	-4.157	6	-135.54	284	0.68	0.187
	-10.4	-0.0763	-0.01303		0.5719	-3.964	6	-135.72	284.4	1.04	0.155
	-9.05				0.4025		3	-139.17	284.6	1.24	0.141
	-1.192			0.5528		-2.901	4	-138.15	284.8	1.39	0.131
	-9.474	-0.0468			0.4597		4	-138.2	284.9	1.49	0.124



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