

SUPPLEMENTARY MATERIAL S1

TABLE S1 | Detailed information of DNA barcoding sequences.

Process ID	Sample ID	Field ID	BIN	Catalog Num	Identification	Institution	Collectors	Collection Date	Country/Ocean	State/Province	Basin	Region	Sector	Exact Site	Lat	Lon
IGTAP078-14	LGB#P-138	KA-L1 MF 1-9	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP070-14	LGB#P-130	KA-L1 MF 1-1	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP073-14	LGB#P-133	KA-L1 MF 1-4	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP077-14	LGB#P-137	KA-L1 MF 1-8	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP144-15	LGB#P-144	KA-L2 MF 1-3	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	25-Jan-2014	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point two	-3.09447	-54.9309
IGTAP081-14	LGB#P-141	KA-L1 MF 1-12	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP143-15	LGB#P-143	KA-L2 MF 1-2	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	25-Jan-2014	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point two	-3.09447	-54.9309
IGTAP072-14	LGB#P-132	KA-L1 MF 1-3	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP079-14	LGB#P-139	KA-L1 MF 1-10	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP080-14	LGB#P-140	KA-L1 MF 1-11	BOLD:ACH3724		<i>Hyphessobrycon ericae</i>	UFOPA	K. Guimarães; L. Rodrigues; M. Alho; E. Torres	05-Nov-2013	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Stream São Jorge, point one	-3.13136	-54.971
IGTAP040-13	LGB#P-100	Msp 4-33	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP041-13	LGB#P-101	Msp 4-35	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP043-13	LGB#P-103	Msp 4-42	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP035-13	LGB#P-95	Msp 4-32	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP029-13	LGB#P-89	Msp 4-40	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP033-13	LGB#P-93	Msp 4-39	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP042-13	LGB#P-102	Msp 4-41	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP028-13	LGB#P-88	Msp 4-34	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP037-13	LGB#P-97	Msp 4-36	BOLD:ACH2867		<i>Hyphessobrycon heterorhabdus</i>	UFOPA	M. Alho; L. Rodrigues; E.M. Guimarães	28-Sep-2012	Brazil	Pará	Curuá-Una	Belterra	Santarém-Cuiabá highway (Br-163)	Branco Stream	-3.051	-54.925
IGTAP128-15	LGB#P-333	KAL4 MF 284	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; L. Rodrigues; E. Santos; J. Oliveira	14-Jun-2014	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream UDV	-2.48058	-54.7886
IGTAP142-15	LGB#P-390	IRU MF 289	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; C. Silva-Oliveira; A. Canto	23-Nov-2013	Brazil	Pará	Tapajós	Santarém	Santarém-Cuiabá highway (Br-163)	Stream Irura	-2.46389	-54.735
IGTAP039-13	LGB#P-99	Msp 4-20	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	M. Alho; E. M. Guimarães; Daniel B.	14-Mar-2012	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream UDV	-2.481	-54.789
IGTAP136-15	LGB#P-341	KAL4 MF 2812	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; L. Rodrigues; E. Santos; J. Oliveira	14-Jun-2014	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream UDV	-2.48058	-54.7886
IGTAP141-15	LGB#P-387	IRU MF 286	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; C. Silva-Oliveira; A. Canto	23-Nov-2013	Brazil	Pará	Tapajós	Santarém	Santarém-Cuiabá highway (Br-163)	Stream Irura	-2.46389	-54.735
IGTAP030-13	LGB#P-90	Msp 4-17	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	M. Alho; E. M. Guimarães; Daniel B.	14-Mar-2012	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream Sonrisal	-2.535	-54.924
IGTAP133-15	LGB#P-338	KAL4 MF 289	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; L. Rodrigues; E. Santos; J. Oliveira	14-Jun-2014	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream UDV	-2.48058	-54.7886



TABLE S1 | (Continued)

Process ID	Sample ID	Field ID	BIN	Catalog Num	Identification	Institution	Collectors	Collection Date	Country/Ocean	State/Province	Basin	Region	Sector	Exact Site	Lat	Lon
IGTAP135-15	LGB#P-340	KAL4 MF 2811	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; L. Rodrigues; E. Santos; J. Oliveira	14-Jun-2014	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream UDV	-2.48058	-54.7886
IGTAP134-15	LGB#P-339	KAL4 MF 2810	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; L. Rodrigues; E. Santos; J. Oliveira	14-Jun-2014	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	Stream UDV	-2.48058	-54.7886
IGTAP140-15	LGB#P-386	IRU MF 285	BOLD:ACH2866		<i>Hyphessobrycon cantoi</i>	UFOPA	K. Guimarães; C. Silva-Oliveira; A. Canto	23-Nov-2013	Brazil	Pará	Tapajós	Santarém	Santarém-Cuiabá highway (Br-163)	Stream Irura	-2.46389	-54.735
IGTAP031-13	LGB#P-91	Msp 4-26	BOLD:ACH2868		<i>Hyphessobrycon agulha</i>	UFOPA	M. Alho; E. M. Guimarães; T. Vieira	12-Jul-2012	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	São Bras Stream	-2.51	-54.811
IGTAP032-13	LGB#P-92	Msp 4-27	BOLD:ACH2868		<i>Hyphessobrycon agulha</i>	UFOPA	M. Alho; E. M. Guimarães; T. Vieira	12-Jul-2012	Brazil	Pará	Tapajós	Santarém	Everaldo Martins highway (PA-457)	São Bras Stream	-2.51	-54.811
TZGAA025-06	I012-1.3	H92-005-Box-I012-1.3	BOLD:AAC9546		<i>Pristella maxillaris</i>	Royal Ontario Museum	Mandrak, N.; Holm, E.; Desilva, K.; Desilva, Y.; Desilva, B.		Guyana	Pomeroon-Supenaam		Moraka-Pomeroon	Unnamed Ditch	10 km Downstream of Charity, at Henry Desilva's Re	7.48333	-58.6333
TZGAA178-06	I014-7.4	H92-019-Box-I014-7.4	BOLD:AAC9546		<i>Pristella maxillaris</i>	Royal Ontario Museum	Holm, E.; Sears, H.; Schloegel, S.		Guyana	Barima-Waini		Kaniaballi Twp	Waini River Tributary	Downstream From Santa Cruz, West Bank	7.66667	-59.2333
BHYPA24-12	LBPV_9287_43765	LBP2010020501	BOLD:ACM4721	43765	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	C. Oliveira; R. Britzke	05-Feb-2010	Brazil	Pará					-1.49	-47.116
BHYPA25-12	LBPV_9287_43766	LBP2010020501	BOLD:ACM4721	43766	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	C. Oliveira; R. Britzke	05-Feb-2010	Brazil	Pará					-1.49	-47.116
BHYPA26-12	LBPV_9287_43767	LBP2010020501	BOLD:ACM4721	43767	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	C. Oliveira; R. Britzke	05-Feb-2010	Brazil	Pará					-1.49	-47.116
BHYPA27-12	LBPV_9287_43768	LBP2010020501	BOLD:ACM4721	43768	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	C. Oliveira; R. Britzke	05-Feb-2010	Brazil	Pará					-1.49	-47.116
BHYPA48-12	LBPV_9451_45137	LBP2010021101		45137	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	R. Britzke	11-Feb-2010	Brazil	Pará			Santa Isabel		-1.282	-48.169
BHYPA49-12	LBPV_9451_45138	LBP2010021101	BOLD:ACD9730	45138	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	R. Britzke	11-Feb-2010	Brazil	Pará			Santa Isabel		-1.282	-48.169
BHYPA50-12	LBPV_9451_45139	LBP2010021101	BOLD:ACD9730	45139	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	R. Britzke	11-Feb-2010	Brazil	Pará			Santa Isabel		-1.282	-48.169
BHYPA51-12	LBPV_9451_45140	LBP2010021101	BOLD:ACD9730	45140	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	R. Britzke	11-Feb-2010	Brazil	Pará			Santa Isabel		-1.282	-48.169
BHYPA52-12	LBPV_9451_45141	LBP2010021101	BOLD:ACD9730	45141	<i>Hyphessobrycon heterorhabdus</i>	Universidade Estadual Paulista, Lab de Biologia e Genética de Peixes	R. Britzke	11-Feb-2010	Brazil	Pará			Santa Isabel		-1.282	-48.169



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- Faria TC, Guimarães KLA, Rodrigues LRR, Oliveira C, Lima FCT. A new *Hyphessobrycon* (Characiformes: Characidae) of the *Hyphessobrycon heterorhabdus* species-group from the lower Amazon basin, Brazil. Neotrop Ichthyol. 2021; 19(1):e200102. <https://doi.org/10.1590/1982-0224-2020-0102>