

SUPPLEMENTARY MATERIAL

Table SI. Distribution of haplotypes and molecular identification through 28S rDNA gene. N: Number of sequences/ individuals. Follow of localities: ARAP: Tucumatuba Creek - Amazon River; ISB: São Benedito Creek - Tapajós River; IKM: Km115 Creek - Tapajós River; LJ: Juá Lake - Tapajós River; TAP: Tapajós River; IME: Mentai Creek - Arapiuns River; PN: Porto Novo - Curuá-Una Hydroelectric Plant.

HAPLOTYPES	N	VOUCHER	MOLECULAR IDENTIFICATION
Hap.1	5	ARAP019, ARAP26, ARAP29, ARAP78, ARAP86	<i>Macrobrachium amazonicum</i>
Hap.2	70	ARAP03, ARAP35, ARAP04, ARAP43, ARAP51, ARAP59, ARAP06, ARAP07, ARAP08, ARAP11	<i>Macrobrachium amazonicum</i>
		ARAP12, ARAP17, ARAP18, ARAP21, ARAP22, ARAP24, ARAP25, ARAP027, ARAP31, ARAP33	
		ARAP36, ARAP37, ARAP38, ARAP39, ARAP40, ARAP41, ARAP42, ARAP44, ARAP45, ARAP46	
		ARAP47, ARAP49, ARAP50, ARAP53, ARAP56, ARAP57, ARAP60, ARAP61, ARAP62, ARAP63	
		ARAP64, ARAP65, ARAP66, ARAP67, ARAP68, ARAP69, ARAP70, ARAP72, ARAP74, ARAP75	
		ARAP76, ARAP77, ARAP79, ARAP80, ARAP81, ARAP82, ARAP83, ARAP84, ARAP85, ARAP87	
		ARAP88, ARAP91, ARAP92, ARAP93, ARAP94, ARAP95, ARAP96, ARAP99, ARAP48, IME03	
Hap.3	1	ARAP34	<i>Macrobrachium amazonicum</i>
Hap.4	1	PN-02	<i>Macrobrachium amazonicum</i>
Hap.5	1	ARAP23	<i>Macrobrachium amazonicum</i>
Hap.6	2	ARAP52, ARAP54	<i>Macrobrachium amazonicum</i>
Hap.7	1	ARAP71	<i>Macrobrachium amazonicum</i>
Hap.8	1	ARAP13	<i>Macrobrachium amazonicum</i>
Hap.9	1	ARAP28	<i>Macrobrachium amazonicum</i>
Hap.10	1	ARAP32	<i>Macrobrachium amazonicum</i>
Hap.11	1	ARAP20	<i>Macrobrachium amazonicum</i>
Hap.12	1	PN-01	<i>Macrobrachium amazonicum</i>
Hap.13	1	ARAP55	<i>Macrobrachium amazonicum</i>
Hap.14	1	ARAP30	<i>Macrobrachium amazonicum</i>
Hap.15	1	ARAP58	<i>Macrobrachium amazonicum</i>
Hap.16	15	ISB01, ISB03, ISB04, ISB05, ISB07, ISB12, ISB13, ISB14, ISB17, ISB20	<i>Macrobrachium</i> sp. (old <i>Pseudopalaemon</i> sp.)
		ISB21, IME19, ISB19, IME20, ISB09	
Hap.17	5	ISB08, ISB10, ISB11, ISB15, ISB22	<i>Macrobrachium</i> sp. (old <i>Pseudopalaemon</i> sp.)

Table S1. Continuation.

Hap.18	1	IME22	<i>Macrobrachium</i> sp. (old <i>Pseudopalaemon</i> sp.)
Hap.19	4	ISB06, ISB16, ISB18, ISB23	<i>Macrobrachium</i> sp. (old <i>Pseudopalaemon</i> sp.)
Hap.20	1	ARAP02	<i>Macrobrachium nattereri</i>
Hap.21	1	IME14	<i>Macrobrachium</i> sp.
Hap.22	1	LJ06	<i>Macrobrachium</i> sp.
Hap.23	1	LJ07	<i>Macrobrachium</i> sp.
Hap.24	1	IME15	<i>Macrobrachium</i> sp.
Hap.25	30	IKM01, IKM02, IKM03, IKM05, IKM06, IKM07, IKM08, IKM09, IKM10, IKM11	<i>Macrobrachium</i> sp.
		TAP04, TAP05, TAP06, TAP07, TAP09, TAP14, TAP15, TAP16, TAP17, TAP18	
		TAP20, TAP22, TAP23, TAP25, TAP30, LJ01, LJ02, LJ03, LJ04, LJ05	
Hap.26	1	IKM04	<i>Macrobrachium</i> sp.
Hap.27	2	ARAP97, ARAP98	<i>Macrobrachium</i> sp. (old <i>Pseudopalaemon</i> sp.)