

**SUPPLEMENTAL INFORMATION**

**REPRODUCTIVE AND TROPHIC ECOLOGY OF  
*ERYTHROLAMPRUS TAENIOGASTER* (SERPENTES: DIPSADIDAE)  
IN THE BRAZILIAN EASTERN AMAZON**

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**TABLE S1.** Specimens of *Erythrolamprus taeniogaster* analyzed from the Brazilian Eastern Amazon.

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**Maranhão:** Santa Luzia do Paruá: MPEG 10240; MPEG 10244; MPEG 10245; MPEG 10246; MPEG 10256; MPEG 10257; MPEG 11180; MPEG 11181; MPEG 11182; MPEG 12041; MPEG 12042; MPEG 12043; MPEG 12044; MPEG 12045; MPEG 12046; MPEG 12047; MPEG 12048; MPEG 12049; MPEG 12050; MPEG 12051; MPEG 12052; MPEG 12823; MPEG 12824; MPEG 12825; MPEG 12827; MPEG 12828; MPEG 13556; MPEG 13557; MPEG 13558; MPEG 13559; MPEG 13560; MPEG 13561; MPEG 13562; MPEG 13563; MPEG 13564; MPEG 13565; MPEG 13566; MPEG 13567; MPEG 13568; MPEG 13569; MPEG 13570; MPEG 13571; MPEG 13572; MPEG 13573; MPEG 13575; MPEG 13576; MPEG 13577; MPEG 13578; MPEG 13579; MPEG 13580; MPEG 13581; MPEG 13582; MPEG 13583; MPEG 13584; MPEG 13585; MPEG 13586; MPEG 13587; MPEG 13588; MPEG 14227; MPEG 14228; MPEG 14229; MPEG 14230; MPEG 14231; MPEG 14232; MPEG 14233; MPEG 14234; MPEG 14235; MPEG 14236; MPEG 14237; MPEG 14365; MPEG 14366; MPEG 14367; MPEG 14368; MPEG 14369; MPEG 15051; MPEG 15052; MPEG 15053; MPEG 15054; MPEG 15055; MPEG 15269. **Pará:** Acará: MPEG 9414; MPEG 10933; MPEG 10934; MPEG 10935; MPEG 10936; MPEG 10940; MPEG 11669.

Almeirim: MPEG 20106. Anajás: MPEG 322. Ananindeua: MPEG 453; MPEG 454; MPEG 16446; MPEG 16753; MPEG 17685; MPEG 18789; MPEG 21532. Augusto Corrêa: MPEG 9983; MPEG 9984; MPEG 9986; MPEG 9989; MPEG 13071; MPEG 13072; MPEG 13073. Belém: MPEG 2592; MPEG 3282; MPEG 4696; MPEG 18560; MPEG 18621; MPEG 18628; MPEG 18629; MPEG 18631; MPEG 18697; MPEG 18894; MPEG 18938; MPEG 18964; MPEG 19582; MPEG 19719; MPEG 19829; MPEG 20041; MPEG 21184; MPEG 22282; MPEG 22283; MPEG 22284; MPEG 22285; MPEG 25393; MPEG 25394; MPEG 25395; MPEG 25674; MPEG 25801; MPEG 25826; MPEG 25837; MPEG 25866; MPEG 26110; MPEG 26160. Benevides: MPEG 8423; MPEG 8597; MPEG 10921; MPEG 13305; MPEG 13306; MPEG 13308; MPEG 13309; MPEG 14258; MPEG 15470; MPEG 15471; MPEG 15472; MPEG 17616; MPEG 18452; MPEG 18531; MPEG 18895; MPEG 21015. Breves: MPEG 18288. Cachoeira do Arari: MPEG 769; MPEG 18153; MPEG 18154. Capitão Poço: MPEG 778; MPEG 1013; MPEG 2133; MPEG 2148; MPEG 2896; MPEG 2899; MPEG 3526; MPEG 3527; MPEG 3528; MPEG 3529; MPEG 3530; MPEG 3532; MPEG 3536; MPEG 3550; MPEG 4158; MPEG 4160; MPEG 4175; MPEG 4203; MPEG 4932; MPEG 4964; MPEG 6052; MPEG 6061; MPEG 6069; MPEG 6077; MPEG 6091; MPEG 6093; MPEG 6094; MPEG 6098; MPEG 7215; MPEG 8831; MPEG 9600; MPEG 9607; MPEG 9618; MPEG 9629; MPEG 10502; MPEG 10648; MPEG 10672; MPEG 11049; MPEG 11051; MPEG 12983. Castanhal: MPEG 518; MPEG 519; MPEG 537; MPEG 588; MPEG 1162; MPEG 1546; MPEG 2009; MPEG 2010; MPEG 2696; MPEG 3329; MPEG 3330; MPEG 4032; MPEG 5744; MPEG 6922; MPEG

6937; MPEG 9449; MPEG 9457. Chaves: MPEG 21174; MPEG 24955. Concórdia do Pará: MPEG 11726; MPEG 11727; MPEG 11728; MPEG 11729. Dom Eliseu: MPEG 9428; MPEG 9431; MPEG 12136; MPEG 12137; MPEG 13376; MPEG 13413; MPEG 13414; MPEG 14516; MPEG 14963; MPEG 15205; MPEG 16101; MPEG 16108. Igarapé-Açu: MPEG 879; MPEG 881; MPEG 882; MPEG 884; MPEG 887; MPEG 888; MPEG 889; MPEG 890; MPEG 930; MPEG 952. Inhangapi: MPEG 1195; MPEG 1198; MPEG 1465; MPEG 1570. Itaituba: MPEG 25248; MPEG 25695. Marabá: MPEG 7476; MPEG 9477; MPEG 9478; MPEG 9480; MPEG 9481; MPEG 9485; MPEG 9490; MPEG 10980; MPEG 10986; MPEG 10987; MPEG 10990; MPEG 11756; MPEG 11757; MPEG 14524. Marituba: MPEG 21662; MPEG 21663; MPEG 21664; MPEG 21665; MPEG 21667; MPEG 21668; MPEG 21669. Melgaço: MPEG 18780; MPEG 18854; MPEG 20192; MPEG 20277; MPEG 20293; MPEG 22030; MPEG 22031; MPEG 22032; MPEG 22033; MPEG 22034; MPEG 22035; MPEG 22036. Mojú: MPEG 17627. Muaná: MPEG 19643; MPEG 21751; MPEG 25676; MPEG 25677; MPEG 25678; MPEG 25679. Ourém: MPEG 18925. Palestina do Pará: MPEG 12753; MPEG 15215; MPEG 15551. Peixe-Boi: MPEG 584; MPEG 682; MPEG 1839; MPEG 3234; MPEG 3238; MPEG 3239. Santa Cruz do Arari: MPEG 19624. Santarém: MPEG 209. Soare: MPEG 18077; MPEG 18100; MPEG 18103; MPEG 18104; MPEG 18105; MPEG 18107; MPEG 18115; MPEG 18132; MPEG 18361. Viséu: MPEG 1307; MPEG 1720; MPEG 1721; MPEG 1734; MPEG 2180; MPEG 2183; MPEG 2946; MPEG 3694; MPEG 4307; MPEG 4421; MPEG 4441; MPEG 4444; MPEG 4446; MPEG 4449; MPEG 4485; MPEG 4486; MPEG 4487; MPEG 4491; MPEG 5140; MPEG 5152; MPEG 5163; MPEG 5180; MPEG 5181; MPEG 5188; MPEG 5195; MPEG 5196; MPEG 5198; MPEG 5289; MPEG 6368; MPEG 6392; MPEG 6401; MPEG 6415; MPEG 6606; MPEG 6607; MPEG 6608; MPEG 6619; MPEG 6621; MPEG 6622; MPEG 6636; MPEG 6645; MPEG 7369; MPEG 7641; MPEG 7644; MPEG 7645; MPEG 7646; MPEG 7648; MPEG 7651; MPEG 7653; MPEG 7657; MPEG 7658; MPEG 7666; MPEG 7668; MPEG 7673; MPEG 7682; MPEG 7692; MPEG 7699; MPEG 7707; MPEG 7728; MPEG 7732; MPEG 7745; MPEG 7750; MPEG 7785; MPEG 7792; MPEG 7795; MPEG 7825; MPEG 8222; MPEG 8229; MPEG 8230; MPEG 9018; MPEG 9027; MPEG 9030; MPEG 9031; MPEG 9032; MPEG 9033; MPEG 9034; MPEG 9035; MPEG 9036; MPEG 9037; MPEG 9076; MPEG 9077; MPEG 9078; MPEG 9079; MPEG 9080; MPEG 9082; MPEG 9510; MPEG 9511; MPEG 9514; MPEG 9519; MPEG 9521; MPEG 9522; MPEG 9523; MPEG 9525; MPEG 9826; MPEG 9828; MPEG 9830; MPEG 9832; MPEG 9836; MPEG 9837; MPEG 9839; MPEG 9841; MPEG 9843; MPEG 9844; MPEG 9845; MPEG 9846; MPEG 9847; MPEG 9848; MPEG 9849; MPEG 9850; MPEG 9851; MPEG 9864; MPEG 9865; MPEG 9883; MPEG 9884; MPEG 9886; MPEG 9887; MPEG 9888; MPEG 9889; MPEG 9890; MPEG 9891; MPEG 9892; MPEG 9893; MPEG 9894; MPEG 9895; MPEG 9896; MPEG 9897; MPEG 9898; MPEG 9899; MPEG 9901; MPEG 9903; MPEG 9904; MPEG 9905; MPEG 9906; MPEG 9909; MPEG 9911; MPEG 9912; MPEG 9914; MPEG 10074;

MPEG 10076; MPEG 10084; MPEG 10284; 10285; MPEG 10287; MPEG 10288; MPEG 10289; MPEG 10290; MPEG 10291; MPEG 10292; MPEG 10891; MPEG 10893; MPEG 11257; MPEG 11258; MPEG 11259; MPEG 11261; MPEG 11417; MPEG 11418; MPEG 11419; MPEG 11420; MPEG 11421; MPEG 11423; MPEG 11424; MPEG 11427; MPEG 11428; MPEG 11429; MPEG 11430; MPEG 11432; MPEG 11433; MPEG 11434; MPEG 11435; MPEG 11501; MPEG 11502; MPEG 11503; MPEG 11559; MPEG 11560; MPEG 11882; MPEG 11884; MPEG 11886; MPEG 11890; MPEG 11891; MPEG 11894; MPEG 11896; MPEG 11901; MPEG 11903; MPEG 11906; MPEG 11907; MPEG 11908; MPEG 11914; MPEG 11915; MPEG 12308; MPEG 12309; MPEG 12310; MPEG 12311; MPEG 12312; MPEG 12313; MPEG 12314; MPEG 12315; MPEG 12317; MPEG 12318; MPEG 12507; MPEG 12508; MPEG 12509; MPEG 12908; MPEG 12909; MPEG 12910; MPEG 12911; MPEG 12912; MPEG 12913; MPEG 12914; MPEG 12915; MPEG 12916; MPEG 12917; MPEG 12918; MPEG 13173; MPEG 13174; MPEG 13175; MPEG 13177; MPEG 13224; MPEG 13225; MPEG 13231; MPEG 13234; MPEG 13237; MPEG 13241; MPEG 13243; MPEG 13245; MPEG 13771; MPEG 13772; MPEG 13774; MPEG 13775; MPEG 13778; MPEG 13781; MPEG 13784; MPEG 13787; MPEG 13789; MPEG 13791; MPEG 13967; MPEG 13968; MPEG 13972; MPEG 13974; MPEG 13975; MPEG 13976; MPEG 13977; MPEG 13978; MPEG 13979; MPEG 13982; MPEG 13983; MPEG 13985; MPEG 13988; MPEG 13990; MPEG 13994; MPEG 13997; MPEG 14087; MPEG 14093; MPEG 14454; MPEG 14455; MPEG 14458; MPEG 14933; MPEG 14934; MPEG 14937; MPEG 14938; MPEG 14939; MPEG 14940; MPEG 15359; MPEG 15384; MPEG 15385; MPEG 15386; MPEG 15388; MPEG 15389; MPEG 15390; MPEG 15391; MPEG 15816; MPEG 15823; MPEG 15825; MPEG 15827; MPEG 15832; MPEG 15909; MPEG 15910; MPEG 15911; MPEG 15916; MPEG 15921; MPEG 15952; MPEG 15994. Vitória do Xingu: MPEG 26264.

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**TABLE S2.** Total length of prey and predators (*Erythrolamprus taeniogaster*), in mm: Prey identification, prey total length (TOL), snake snout-vent length (SVL-Sn), prey TOL and snake SVL ratio, percentage, and direction of prey ingestion of *E. taeniogaster* in the Brazilian eastern Amazon.

Identification	TOL Prey	SVL-Sn	TOL/SVL	%	Direction of prey ingestion
<i>Synbranchus</i> sp.	169	374	0.452	45.2	Anteroposterior
<i>Sternopygus macrurus</i>	217	563	0.385	38.5	Anteroposterior
Hypopomidae	71	194	0.366	36.6	Anteroposterior
<i>Gymnotus carapo</i>	167	523	0.319	31.9	Anteroposterior
<i>Synbranchus marmoratus</i>	140	433	0.323	32.3	Indeterminate
<i>Synbranchus</i> sp.	141	510	0.276	27.6	Anteroposterior
<i>Synbranchus</i> sp.	116	493	0.235	23.5	Anteroposterior
Hypopomidae	102	515	0.198	19.8	Anteroposterior
Pimelodidae	94	475	0.198	19.8	Anteroposterior
<i>Hoplias malabaricus</i>	107	572	0.187	18.7	Anteroposterior
<i>Callichthys callichthys</i>	81	464	0.175	17.5	Anteroposterior
Erythrinidae	87	502	0.173	17.3	Anteroposterior
<i>Ituglanis amazonicus</i>	67	392	0.171	17.1	Anteroposterior
<i>Callichthys callichthys</i>	83	495	0.168	16.8	Anteroposterior
<i>Ituglanis amazonicus</i>	63	392	0.161	16.1	Anteroposterior
Hypopomidae	79	515	0.153	15.3	Anteroposterior
<i>Ituglanis amazonicus</i>	59	392	0.151	15.1	Anteroposterior
<i>Hoplias</i> sp.	74	642	0.115	11.5	Anteroposterior

<i>Callichthys callichthys</i>	55	480	0.115	11.5	Anteroposterior
<i>Callichthys callichthys</i>	54	480	0.113	11.3	Anteroposterior
<i>Callichthys callichthys</i>	55	493	0.112	11.2	Anteroposterior
<i>Callichthys callichthys</i>	47	446	0.105	10.5	Anteroposterior
<i>Callichthys callichthys</i>	42	458	0.092	9.2	Anteroposterior
<i>Callichthys callichthys</i>	36	427	0,084	8.4	Anteroposterior
<i>Corydoras</i> sp.	39	475	0.082	8.2	Anteroposterior
Tadpole (Leptodactylidae)	18,22	224	0.081	8.1	Indeterminate
<i>Anablepsoides</i> sp.	30	374	0.08	8	Póstero-anterior
<i>Anablepsoides</i> sp.	36	458	0.079	7.9	Anteroposterior
<i>Anablepsoides micropus</i>	43	556	0.077	7.7	Anteroposterior
Tadpole (Leptodactylidae)	16,3	224	0.073	7.3	Indeterminate
<i>Anablepsoides</i> sp.	28	400	0.07	7	Anteroposterior
Tadpole (Leptodactylidae)	15,21	224	0.068	6.8	Indeterminate
Girino (Leptodactylidae)	9,86	224	0.044	4.4	Indeterminado
Girino (Leptodactylidae)	9,5	224	0.042	4.2	Indeterminado
<i>Leptodactylus</i> gr. <i>wagneri</i>		334			Anteroposterior
<i>Corydoras</i> sp.		475			Anteroposterior
<i>Synbranchus marmoratus</i>		398			Póstero-anterior
<i>Hoplias</i> sp.		510			Anteroposterior
Actinopterygi		437			Indeterminado
<i>Boana multifasciata</i>		398			Anteroposterior
<i>Gymnotus carapo</i>		432			Anteroposterior

<i>Synbranchus marmoratus</i>	345	Anteroposterior
Actinopterygi	259	Indeterminado
Actinopterygi	391	Indeterminado
<i>Synbranchus</i> sp.	302	Anteroposterior
<i>Scinax x-signatus</i>	373	Anteroposterior
<i>Hoplias</i> sp.	664	Pósterio-anterior
<i>Synbranchus</i> sp.	482	Indeterminado
<i>Synbranchus</i> sp.	325	Anteroposterior
<i>Leptodactylus macrosternum</i>	588	Anteroposterior
<i>Leptodactylus macrosternum</i>	492	Anteroposterior
<i>Physalaemus ephippifer</i>	373	Pósterio-anterior
<i>Physalaemus ephippifer</i>	373	Pósterio-anterior

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**TABLE S3.** Activity period, habitat and microhabitat of prey consumed by *Erythrolamprus taeniogaster*, Brazilian Eastern Amazon, according to the literature.

Taxon	Activity period	Habitat	Microhabitat	Authors
<b>Anurans</b>				
<i>Boana multifasciata</i>	Nocturnal	Open environments, grasslands, and Cerrado with scarce trees.	Arboreal	IUCN 2021
<i>Leptodactylus macrosternum</i>	Nocturnal	Open areas, close to water bodies and mangroves; anthropogenic areas	Terrestrial; leaf litter	Andrade et al. 2012
<i>Leptodactylus gr. wagneri</i>	Nocturnal	Open areas, primary and secondary forests, close to water bodies; anthropogenic areas	Terrestrial; leaf litter	Duellman 1978; Lima et al. 2006
<i>Physalaemus ephippifer</i>	Diurnal and Nocturnal	Forest edge, in clearings, and in a variety of anthropogenic habitats	Terrestrial; leaf litter	IUCN 2021
<i>Scinax x-signatus</i>	Nocturnal	Forest edges and open areas, close to permanent and temporary water bodies; anthropogenic areas	Arboreal	Ávila-Pires and Hoogmoed 1997; Estupiñán et al. 2002
<b>Fishes</b>				
<i>Callichthys callichthys</i>	Diurnal	Lakes and streams, backwater and low-flow environments	Demersal	Santos et al. 2004; Oyakawa et al. 2006



<i>Corydoras</i> sp.	Diurnal	Rivers and streams shore, under marginal vegetation	Demersal	Cabalzar 2005; Oyakawa et al. 2006
Erythrinidae	Nocturnal	Lakes and streams, among roots of floating vegetation, with submerged fixed plants; backwater and low-flow environments	Usually demersal	Ferreira et al. 1998; Silvano et al. 2001; Oliveira-Raiol et al. 2012
<i>Gymnotus carapo</i>	Crepuscular and nocturnal	Lakes and streams shore, among shrubs and roots of floating vegetation	Benthopelagic	Silvano et al. 2001; Soares 2005
<i>Hoplias</i> sp.	Nocturnal	Lakes and streams, among roots of floating vegetation, with fixed submerged plants; ponds close to immersed vegetation	Demersal	Cabalzar 2005; Melo et al. 2005; Oliveira-Raiol et al. 2012
Hypopomidae	Diurnal/nocturnal	Rivers, lakes and streams shore, among roots of floating vegetation and fixed submerged plants	Usually demersal	Santos et al. 2004; Oyakawa et al. 2006; Oliveira-Raiol et al. 2012

<i>Ituglanis amazonicus</i>		Lakes and streams, among roots of floating vegetation, with fixed submerged plants; backwater and low-flow environments	Demersal	Oliveira-Raiol et al. 2012
<i>Anablepsoides micropus</i>		Lakes and streams, among roots of floating vegetation, with fixed submerged plants; lentic environments, as ponds and swamps	Benthopelagic	Oyakawa et al. 2006; Oliveira-Raiol et al. 2012
<i>Anablepsoides</i> sp.		Lakes and streams, among roots of floating vegetation, with fixed submerged plants; lentic environments, as ponds and swamps	Benthopelagic	Oyakawa et al. 2006; Oliveira-Raiol et al. 2012
<i>Sternopygus macrurus</i>	Nocturnal	Lakes and rivers shore, among floating vegetation, occurs in lakes	Demersal	Silvano et al. 2001
<i>Sternopygus</i> sp.	Nocturnal	Lakes and rivers shore, among floating vegetation, occurs in lakes	Demersal	Silvano et al. 2001

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