

SUPPLEMENTARY MATERIAL

Table S1. List of geographic coordinates for the distribution of the species *Ariamnes longissimus* Keyserling, 1891. Coordinates highlighted in bold indicate the first formal record of the species in the region.

Author(s) / Source	Locality (State)	Country	Latitude	Longitude
SpeciesLink	Manaus (Amazonas)	Brazil	2°53'38.3"S	59°58'20.9"W
SpeciesLink	Manaus (Amazonas)	Brazil	2°57'48.4"S	59°55'22.4"W
SpeciesLink	Manaus (Amazonas)	Brazil	3°06'07.0"S	60°01'30.0"W
Rypstra (1982)	Puerto Maldonado (Madre de Dios)	Peru	12°35'35.0"S	69°11'20.0"W
Present study	Itapetinga (Bahia)	Brazil	15°15'07.1"S	40°17'08.5"W
SpeciesLink	Chapada dos Guimarães (Mato Grosso)	Brazil	15°27'38.2"S	55°44'58.9"W
Exline & Levi (1962)	Santa Teresa (Espírito Santo)	Brazil	19°56'08.0"S	40°36'01.0"W
GBIF	Santa Teresa (Espírito Santo)	Brazil	19°57'55.2"S	40°32'25.8"W
SpeciesLink	Nova Lima (Rio Grande do Sul)	Brazil	20°00'00.0"S	43°52'00.0"W
SpeciesLink	Catas Altas (Minas Gerais)	Brazil	20°03'00.0"S	43°27'00.0"W
GBIF	Pereira Barreto (São Paulo)	Brazil	20°26'24.4"S	48°33'16.3"W
GBIF	Carmo do Rio Claro (Minas Gerais)	Brazil	20°58'25.2"S	46°07'10.1"W
Exline & Levi (1962)	Santo Eduardo (Rio de Janeiro)	Brazil	21°13'09.0"S	41°27'37.0"W
Rinaldi & Trinca (2008)	Luís Antônio (São Paulo)	Brazil	21°36'13.0"S	47°47'17.0"W
Exline & Levi (1962)	St. Antonio (Rio de Janeiro)	Brazil	21°38'27.0"S	42°03'48.0"W
Exline & Levi (1962)	Nova Friburgo (Rio de Janeiro)	Brazil	22°16'55.0"S	42°31'52.0"W
Exline & Levi (1962)	Teresópolis (Rio de Janeiro)	Brazil	22°21'33.4"S	42°57'40.1"W
Indicatti (2013)	Itatiaia (Rio de Janeiro)	Brazil	22°23'21.0"S	44°38'10.0"W
Exline & Levi (1962)	Teresópolis (Rio de Janeiro)	Brazil	22°25'00.0"S	42°58'41.0"W
Exline & Levi (1962)	Jabaquara (São Paulo)	Brazil	23°39'13.0"S	46°38'47.0"W
GBIF	Mallet (Paraná)	Brazil	25°55'00.1"S	50°48'00.0"W
Exline & Levi (1962)	Nova Teutonia (Santa Catarina)	Brazil	27°11'00.0"S	52°23'00.0"W
Buckup et al. (2010)	Iraí (Rio Grande do Sul)	Brazil	27°11'37.0"S	53°15'02.0"W
Avalos et al. (2018)	Forestación Puerto Valle (Ituzaingó)	Argentina	27°37'43.7"S	56°31'17.8"W
Buckup et al. (2010)	Barracão (Rio Grande do Sul)	Brazil	27°40'18.0"S	51°27'38.0"W
SpeciesLink	Rancho Queimado (Santa Catarina)	Brazil	27°40'21.0"S	49°01'18.1"W
Avalos et al. (2007)	El Perichón (Mburucuyá)	Argentina	28°00'39.0"S	58°00'33.7"W
SpeciesLink	Augusto Pestana (Rio Grande do Sul)	Brazil	28°31'00.8"S	53°59'31.9"W
SpeciesLink	Urussanga (Santa Catarina)	Brazil	28°31'04.1"S	49°19'14.9"W
SpeciesLink	Urussanga (Santa Catarina)	Brazil	28°31'04.1"S	49°19'14.9"W
Buckup et al. (2010)	São Borja (Rio Grande do Sul)	Brazil	28°39'38.0"S	56°00'16.0"W
SpeciesLink	Nova Prata (Rio Grande do Sul)	Brazil	28°47'02.0"S	51°36'36.0"W
SpeciesLink	Maçambará (Rio Grande do Sul)	Brazil	29°08'34.1"S	56°03'54.0"W
SpeciesLink	Maçambará (Rio Grande do Sul)	Brazil	29°08'34.1"S	56°03'54.0"W

Table S1. Continuation.

Buckup et al. (2010)	Estrela Velha (Rio Grande do Sul)	Brazil	29°10'36.0"S	53°09'33.0"W
GBIF	Caxias do Sul (Rio Grande do Sul)	Brazil	29°13'30.6"S	50°53'24.1"W
Buckup et al. (2010)	Canela (Rio Grande do Sul)	Brazil	29°21'22.0"S	50°48'48.0"W
Buckup et al. (2010)	Arroio do Meio (Rio Grande do Sul)	Brazil	29°24'04.0"S	51°56'42.0"W
Buckup et al. (2010)	São Francisco de Paula (Rio Grande do Sul)	Brazil	29°26'53.0"S	50°35'01.0"W
SpeciesLink	São Francisco de Paula (Rio Grande do Sul)	Brazil	29°26'53.2"S	50°35'01.0"W
SpeciesLink	Maquiné (Rio Grande do Sul)	Brazil	29°31'00.0"S	50°13'00.0"W
SpeciesLink	Maquiné (Rio Grande do Sul)	Brazil	29°34'37.4"S	50°16'47.0"W
SpeciesLink	Itaara (Rio Grande do Sul)	Brazil	29°36'34.9"S	53°45'52.9"W
SpeciesLink	Campo Bom (Rio Grande do Sul)	Brazil	29°39'00.0"S	51°03'36.0"W
Buckup et al. (2010)	Maquiné (Rio Grande do Sul)	Brazil	29°40'30.0"S	50°12'26.0"W
Buckup et al. (2010)	Novo Hamburgo (Rio Grande do Sul)	Brazil	29°40'42.0"S	51°07'50.0"W
Buckup et al. (2010)	Campo Bom (Rio Grande do Sul)	Brazil	29°40'44.0"S	51°03'12.0"W
SpeciesLink	Santa Maria (Rio Grande do Sul)	Brazil	29°41'03.1"S	53°48'24.8"W
Buckup et al. (2010)	Montenegro (Rio Grande do Sul)	Brazil	29°41'19.0"S	51°27'40.0"W
SpeciesLink	Campo Bom (Rio Grande do Sul)	Brazil	29°41'45.3"S	51°02'57.6"W
Buckup et al. (2010)	São Leopoldo (Rio Grande do Sul)	Brazil	29°45'37.0"S	51°08'50.0"W
SpeciesLink	Sapucaia do Sul (Rio Grande do Sul)	Brazil	29°49'28.9"S	51°08'53.9"W
Buckup et al. (2010)	General Câmara (Rio Grande do Sul)	Brazil	29°54'18.0"S	51°45'37.0"W
SpeciesLink	Canoas (Rio Grande do Sul)	Brazil	29°55'04.1"S	51°11'01.0"W
Buckup et al. (2010)	Gravataí (Rio Grande do Sul)	Brazil	29°56'31.0"S	50°59'34.0"W
Buckup et al. (2010)	Triunfo (Rio Grande do Sul)	Brazil	29°56'36.0"S	51°43'05.0"W
Buckup et al. (2010)	Porto Alegre (Rio Grande do Sul)	Brazil	30°01'58.0"S	51°13'48.0"W
SpeciesLink	Viamão (Rio Grande do Sul)	Brazil	30°04'52.0"S	51°01'23.9"W
Buckup et al. (2010)	Viamão (Rio Grande do Sul)	Brazil	30°04'52.0"S	51°01'24.0"W
Buckup et al. (2010)	Eldorado do Sul (Rio Grande do Sul)	Brazil	30°05'02.0"S	51°36'58.0"W
SpeciesLink	Guaíba (Rio Grande do Sul)	Brazil	30°06'50.0"S	51°19'30.0"W
Buckup et al. (2010)	Guaíba (Rio Grande do Sul)	Brazil	30°06'50.0"S	51°19'30.0"W
Buckup et al. (2010)	Barra do Ribeiro (Rio Grande do Sul)	Brazil	30°17'28.0"S	51°18'04.0"W
Ott et al. (2007)	Barra do Ribeiro e Tapes (Rio Grande do Sul)	Brazil	30°33'26.5"S	51°21'37.6"W
Buckup et al. (2010)	Tapes (Rio Grande do Sul)	Brazil	30°40'24.0"S	51°23'45.0"W
SpeciesLink	Capão do Leão (Rio Grande do Sul)	Brazil	31°45'47.9"S	52°29'02.0"W
Buckup et al. (2010)	Capão do Leão (Rio Grande do Sul)	Brazil	31°46'11.0"S	52°20'27.0"W
SpeciesLink	Capão do Leão (Rio Grande do Sul)	Brazil	31°48'03.6"S	52°25'18.7"W
Rodrigues (2005)	Capão do Leão (Rio Grande do Sul)	Brazil	31°48'58.0"S	52°25'55.0"W
Buckup et al. (2010)	Arroio Grande (Rio Grande do Sul)	Brazil	32°14'15.0"S	53°05'13.0"W