**Supplementary Material**

**First record of *Peropteryx leucoptera* (Chiroptera, Emballonuridae) for the Caatinga of Northeastern Brazil and additional records for the Amazon and Atlantic Rainforest**

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**Supplementary Material S1:** Examined material.

*Peropteryx leucoptera* – **Brazil**: *Amapá:* APA Rio Curiaú, Macapá (IEPA 1258♂); *Amazonas*: Estação Experimental de Silvicultura Tropical INPA, SUFRAMA, Manaus (ZUEC 0757♂), Nova Olinda do Norte (UFMG 3546♂), Rio Eiru, Santo Antônio (FMNH 140789♀); *Bahia:* Vila de Patumé, Curaçá (CMARF 000320♀, 000321♀), Rio Branco, Fazenda Bela Vista, Ilhéus (MZUSP 11613♀, 11614♂, 11615♀); *Pará:* Caxiricatuba, Rio Tapajós, Aveiro (AMNH 94492♂, 94493♂, 94495♀, 94496♀), Belém (MZUSP 11536♂, 11537♂), Ilha do Taiuna, Rio Tocantins, Cametá ( AMNH 97069♂, 97070♂, 97071♀, 97072♀, 97073♀, 97240♀), Cachoeira do Arari, Marajó (MZUSP 6001♂), Igarapé Brabo, Rio Tapajós (AMNH 94500♂, 94502♀), Porto Trombetas, Platô Bacaba, Oriximiná (VCT 1259♀, VCT 1323♀), Villarinho do Monte, Rio Xingu, Porto de Moz (AMNH 96122♀), Vila Jatuarana, Prainha (IEPA 1942♂), Aramanaí, Rio Tapajós, Santarém (AMNH 94473♂, 94474♀), Tamary, Rio Tapajós, Santarém (AMNH 94481♂, 94482♂, 94483♀, 94484♀, 94485♂, 94486♀, 94489♀, 94490♀); *Paraíba:* Comunidade Caiana, Mamanguape (UFPB 8932♂), REBIO Guaribas, SEMA 3, Rio Tinto (UFPB 7312♂), RPPN Fazenda Pacatuba, Sapé (UFPB 1293♀, 1307♂, 1308♂, 1309♂, 8165♀, 10717♀); *Pernambuco:* Refúgio Ecológico Charles Darwin, Igarassu (UFPE 1338, 1339), Engenho Vicente Campelo, Usina Cucaú, Ribeirão (UFPB 7468♂), Mata do Camocim, EECO do Tapacurá, São Lourenço da Mata (UFPE 1192♀); *Rio Grande do Norte:* Parque Nacional da Furna Feia, Mossoró (UFMG 4716♀); *Rondônia:*UHE Jirau, Mutum-Paraná, Porto Velho (MZUSP 35753♀, MZUSP 35754♀) ; **French Guiana:***Cayenne:* Paracou, Sinnamary (AMNH 266011♀, 267087♀); **Guyana:** *Demerara-Mahaica:* Ceiba Biological Station (ROM 112531♂, 113611♀, 113612♂); *Potaro-Siparuni:* Iwokrama Reserve, Kurupukari Base Camp (ROM 107458♂); *Upper Takutu-Upper Essequibo:* Illiwa River (ROM 41530♂); **Peru:** *Loreto:* Matses Indian, Nuevo San Juan, Gálvez River (AMNH 273197♂); **Venezuela:** *Amazonas:* Rio Casiquiare, Buena Vista, Rio Negro (AMNH 78419♀)

**Supplementary Material S2**

**Table 2:** New locality records for *Peropteryx leucoptera* in Brazil. “ND”: Specimens without voucher numbers; “This study”: examined specimens in this study.

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| --- | --- | --- | --- | --- | --- |
| ID | Locality | Latitude | Longitude | Voucher | Source |
| **Brazil** |
| 1 | Parque Nacional de Furna Feia, Mossoró, Rio Grande do Norte | 5° 2’ 24” S | 37°33’36” W | UFMG 4716 | This study |
| 2 | Vila de Patamuté, Gruta de Patamuté, Curaçá, Bahia | 9°24’19” S | 39°28’13” W | CMARF 320, 321 | This study |
| 3 | Rio Branco, Fazenda Bela Vista, Ilhéus, Bahia | 14°47’18” S | 39°2’54” W | MZUSP 11613, 11614, 11615 | This study |
| 4 | UHE Jirau, Mutum-Paraná, Porto Velho, Rondônia | 9° 15’ 51.8” S | 64° 38’ 30.8” W | MZUSP 35753, 35754 | This study |
| 5 | Refúgio de Vida Silvestre Mata do Junco, Capela, Sergipe | 10°32′ S | 37°03′ W | ALP 9730, 9731, 9732 | Mikalauskas et al 2014 |
| 6 |  Fazenda Santana, Japoatã, Sergipe | 10° 32' 7" S | 36° 45' 54” W | LBC 0112, 0113 | Pedroso et al. 2020 |
| 7 | Estação Experimental de Saltinho, Rio Formoso, Pernambuco | 8° 38’ S | 35° 9’ W | DZUFPE 410 | Guerra (2007) |
| 8 | Mata Dois Irmãos, Recife, Pernambuco | 8° 0’ 27” S | 34° 56’59” W | UFPE 888, 889 | Guerra (2007) |
| 9 | Refúgio Ecológico Charles Darwin, Igarassu, Pernambuco | 7° 49’ 51” S | 34° 53’ 58” W | UFPE 1338, 1339 | This study  |
| 10 | Engenho Vicente Campelo, Usina Cucaú, Ribeirão, Pernambuco | 8° 4' 12" S | 35° 17' 24" W | UFPB 7468 | This study |
| 11 | Mata do Camocim (EECO do Tapacurá), São Lourenço da Mata, Pernambuco | 8° 21' 0" S | 35° 45' 36" W | UFPE 1192 | This study |
| 12 | Reserva Biológica Guaribas (SEMA 3), Rio Tinto, Paraíba | 6° 48' 12” S | 35° 5' 1" W | UFPB 7312 | Feijó et al 2016 |
| 13 | Fazenda Pacatuba, Sapé, Paraíba | 7° 5' 58" S | 35° 12' 56" W | UFPB 1293, 1307, 1308, 1309, 8165\*, 10717\* | Feijó and Langguth 2011, \*This study |
| 14 | Próximo a Reserva Biológica Guaribas, Mamanguape/Rio Tinto, Paraíba | 6° 43' 10" S | 35° 10' 46" W | UFPB 8932 | Feijó et al 2016 |
| 15 | Floresta Nacional de Nísia Floresta, Rio Grande do Norte | 6° 4' 48" S | 35° 10' 48"W | UFPE 3193 | Barros et al. 2017 |
| 16 | Juruena National Park, São João River trail, Mato Grosso | 8° 57' 0" S | 58° 32' 38" W | CMUFLA 1320 | Dalponte et al. 2016 |
| 17 | Alter do Chão, Santarém, Pará | 2° 24' 50" S | 54° 42' 36"W | INPA 2593,2594, 2596, 2597, 2598, 2588, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667 | Bernard 2001 |
| 18 | Aramanaí, Rio Tapajós, Santarém, Pará | 2° 45' S | 55° 10' 48" W | AMNH 94473, 94474 | This study |
| 19 | Tamary, Rio Tapajós, Santarém, Pará | 3° 4' 28" S | 55° 6' W | AMNH 94481, 94482, 94483, 94484, 94485, 94486, 94489, 94490 | This study  |
| 20 | Caxiricatuba, Rio Tapajós, Aveiro, Pará | 2° 49' 48" S | 55° 7' 48"W  | AMNH 94492, 94493, 94495, 94496 | This study |
| 21 | Igarapé Brabo, Rio Tapajós, Pará | 2° 39' 36" S | 55° 9' 36" W | AMNH 94500, 94502 | This study |
| 22 | Porto Trombetas, Platô Bacaba, Oriximiná, Pará | 1° 46' 12" S | 56° 22' 12" W | VCT 1259  | This study |
| 23 | Porto Trombetas, Trilha na "23", Oriximiná, Pará | 1° 46' 48" S | 56° 21' 36" W | VCT 1323 | This study |
| 24 | Vila Jatuarana, Prainha, Pará | 1° 47' 58" S | 53° 28' 46" W | IEPA 1942 (PTX 34) | This study |
| 25 | Villarinho do Monte, Rio Xingu, Porto de Moz, Pará | 1° 36' 36" S | 52° 0' 36" W | AMNH 96122 | This study |
| 26 | Ilha do Taiuna, Rio Tocantins, Cametá, Pará | 2° 15' 0" S | 49° 27' 57" W | AMNH 97069, 97070, 97071, 97072, 97073, 97240 | This study |
| 27 | Cametá, Pará | 2° 15' S | 49° 9' W | ND | Sanborn (1937) |
| 28 | Belém, Pará | 1° 26' 58" S | 48° 29' 58" W | MZUSP 11536, 11537 | This study |
| 29 | Cachoeira do Arari, Marajó, Pará | 1° 0' 36" S | 48° 57' 36" W | MZUSP 6001 | This study |
| 30 | Cachoeira, Ilha do Marajó, Pará | 1° 0' 57" S | 48° 57' 57" W | ND | Vieira (1942) |
| 31 | Amapá | 1° 19' 22" N  | 50° 17' 18" W | IEPA 1696 | da Silva et al. 2013 |
| 32 | APA Rio Curiaú, Macapá, Amapá | 0° 6' 36" S | 51° 4' 48" W | IEPA 1258 | This study |
| 33 | Biological Dynamics of Forest Fragments Project, Florestal reserve, Manaus, Amazonas | 2° 24' 57"S | 59° 45' 0" W | INPA 2504 | Sampaio et al. 2003 |
| 34 | Reserva Ducke, Manaus, Amazonas | 2° 36' 0" S | 59° 55' 12" W | NRR 160 | Reis and Peracchi 1987 |
| 35 | Amanã Sustainable Development Reserve  | 2° 34' 57.5" S | 64° 40' 10' W | ND | Pereira et al. 2010 |
| 36 | Estação Experimental de Silvicultura Tropical INPA, SUFRAMA, Manaus, Amazonas | 3° 6' 0" S | 60° 1' 48" W | ZUEC 0757 | This study |
| 37 | Nova Olinda do Norte, Amazonas | 3° 49' 10"S | 59° 2' 36" W | UFMG 3546 | This study |
| 38 | Rio Eiru, Santo Antônio, Amazonas | 6° 42' 0" S | 69° 51' 57" W | FMNH 140789 | This study |
| **French Guiana** |
| 39 | Paracou, Sinnamary, Cayenne | 5° 16' 30"N | 52° 55' 22"W | AMNH 266010, 266011\*, 266012, 266013, 267087\*, 267088, 267280, 267837, 267838, 267839, MNHN 1995.819, 1995.820, 1995.821, 1995.821 | Lim et al. 2010; Simmons and Voss 1998\*This study |
| 40 | Piste of Saint Elie, Sinnamary, Ultramar | 5° 18' 1” N | 53° 3' 59" W | ND | Brosset, A., and Charles-Dominique, P. (1990) |
| **Suriname** |
| 41 | Zanderij | 5° 27' 1"N | 55° 11' 58" | ND | Genoways et al 1981 |
| **Guyana** |
| 42 | Ceiba Biological Center, Demerara-Mahaica | 6° 30' 0" N | 58° 12' 57"W | ROM 112530, 112531\*, 113611\*, 113612\* | Lim et al. 2010\*This study |
| 43 | Iwokrama Forest Field Station, Potaro-Siparuni | 4° 40' 12" N | 58° 51' 0" W | ROM 107458 | Lim et al. 2010; This study |
| 44 | Illiwa River, Upper Essequibo-Upper Takutu | 2° 39' 36" N | 58° 39' 36" W | ROM 41530 | Lim et al. 2010; This study |
| 45 | Bada Creek, Upper Demerara-Berbice | 5° 34' 58" N | 58° 7' 58" W | ROM 70688 | Lim et al. 2010 |
| **Venezuela** |
| 46 | Rio Casiquiare, Buena Vista, Rio Negro, Amazonas | 2°54′ N | 66°2′ W | AMNH 78419 | GBIF; This study |
| **Colombia** |
| 47 | Hitoma Community, Leticia, Amazonas | 4°7'55"S | 69°54'57"W | YMS 708, 709, 711 | Rodríguez-Posada et al 2021 |
| 48 | Vereda La Ventrosa, finca El Jordán, San Luis de Palenque, Casanare | 5° 12' 14" N | 71° W | FSC 107, 193  | Suares-Castro et al. 2012 |
| 49 | Campamento Chamusa, Rio Duda, Serranía de la Macarena, Meta | 2° 24' N | 74° 9 36" W | IAvH 2241 | Lemke et al. 1982 |
| 50 | La Bendición Farm, Vichada | 6°4'4"N | 69°10'30" W | ICN 24290, 24291 | Rodríguez-Posada et al 2021 |
| 51 | Campo Rubiales, bloque Kifa Este, Puerto Gaitán, Meta | 3°49' 48" N | 71° W | HERC 768, 769 | Suares-Castro et al. 2012 |
| **Ecuador** |
| 52 | Cuyabeno Faunistic Reserve, Palma Roja, Sucumbíos | 0° 1' 6" S | 76° 9' 56" W | QCAZ 8478 | McDonough et al. 2010 |
| 53 | Setor de Tivacuno, Orellana, Amazonas | 0° 41' 56" S | 76° 23' 6" W | MEPN 9869 | McDonough et al. 2010 |
| 54 | Bosque del Aguarico | 0° 2' 51" N | 77° 19' 44" W | MEPN 9913 | Arcos et al. 2007 |
| 55 | Tiputini Biodiversity Station | 0° 38' 18" S | 76° 8' 52" W | ND | Rex et al. 2008 |
| **Peru** |
| 56 | Rio Galvez, Nuevo San Juan, Loreto | 5° 14' 24" S | 73° 9' 36" W | AMNH 273182, 273197\*, MUSM 15247, 15251 | Lim et al. 2010; \*This study |
| 57 | Quebrada Esperanza, Mariscal Ramón Castilla, Loreto | 4° 19' 58" S | 71° 55' W | FMNH 89103, 89104 | Graham-Angeles et al 2021 |
| 58 | Explonapo Camp, Mazán, Maynas, Loreto | 3° 15' 25" S | 72° 55' 1" W | MUSM 6744, 20973 | Graham-Angeles et al 2021 |
| 59 | Quebrada Água Negra, Alto Nanay, Maynas, Loreto | 2° 51' 14" S | 74° 58' 42" W | MUSM 24412 | Graham-Angeles et al 2021 |
| 60 | San Lucas, Maynas, Loreto | 4° 6' S | 73° 27' 36" W | CML 13317 | Díaz et al. 2019 |
| 61 | Tahuayo Farm, Fernando Lores, Loreto | 4° 20’ S | 73° 13’ W | ND | Velazco et al. 2021 |
| 62 | Arboretum/Zungarochocha, San Juan Bautista, Maynas, Loreto | 3° 49' 58" S | 73° 22' 22" W | MUSM 30852, 30853 | Graham-Angeles et al 2021 |
| 63 | Mishana río Nanay, San Juan Bautista, Maynas, Loreto | 3° 58' 48" S | 73° 30' 3.6"W | MUSM 30862 | Graham-Angeles et al 2021 |
| 64 | El Paujil, San Juan Bautista, Maynas, Loreto | 3° 59' 42" S | 73° 26' 45"W | MUSM 27144, 27145, 27146, 27147 | Graham-Angeles et al 2021 |
| 65 | San Juan Bautista, Maynas, Loreto | 4° 9' 0"S | 73° 28' 1"W | MUSM 30855, 30856, 30857, 30858 | Graham-Angeles et al 2021 |
| 66 | San Juan Bautista, Maynas, Loreto | 4° 11' 13” S | 73° 28' 4” W | MUSM 30859, 30860, 30861 | Graham-Angeles et al 2021 |
| 67 | San Juan Bautista, Maynas, Loreto | 4° 15' 21" S | 73° 29' 6" W | MUSM 30854 | Graham-Angeles et al 2021 |
| 68 | San Lucas W km 43 de la carretera Iquitos-Nauta, Maynas, Loreto | 4° 6' 14" S | 73° 27' 46" W | MMD 4271, 4272 | Diaz et al. 2012 |
| 69 | Nauta, Loreto | 4° 15' 18" S | 73° 51' 54" W | ND | Rengifo et al. 2013 |
| 70 | Km 43 on Iquitos–Nauta Hwy, San Lucas, Loreto | 4° 6' 21" S | 73° 28' 15" W | ND | Gaudioso et al. 2020 |
| 71 | Ucayali, Tushemo | 9°49′ S | 73°5′ W | ND | Thomas (1924) |
| 72 | Madre de Dios | 13°30′ S | 71°58′ W | ND | Solari et al. 2006 |
| 73 | Vivero Forestal y Fundo "El Bosque", Las Piedras, Madre de Dios | 12°14'14” S | 69° 16' 38" W | MUSM 48966 | Sanchez, M.K.R 2020 |
| **Bolivia** |
| 74 | Refugio de Vida Silvestre "Espíritu", Beni | 14° 13' 0" S | 66° 24' W | CBF 6322 | Poma-Urey et al. 2021 |
| 75 | Versalles, Beni | 12° 43' 58" S | 66° 9' 57" W | AMNH 209228 | Poma-Urey et al. 2021 |
| 76 | Reserva Nacional Amazónica Manuripi-Heath, San Miguel, Pando | 11° 30' 36"S | 67° 39' 36" W | CBF 1414, 1417, 1427 | Poma-Urey et al. 2021 |

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