

Digital appendix 1

Specimens deposited in museum collections were compared to specimens collected at new locations in Costa Rica and Panama in 1997, 2009, 2012 and 2019. INBio: Instituto Nacional de Biodiversidad de Costa Rica, now Museo Nacional de Costa Rica. STRI: Dry Collection, Smithsonian Tropical Research Institute, Panamá. MIUP: Museo de Invertebrados “G.B. Fairchild”, Universidad de Panamá. UNAM: Instituto de Biología, Universidad Nacional Autónoma de México. MZUCR: Museo de Zoología, Universidad de Costa Rica. BMNH: British Museum of Natural History.

Species	Sex	Specimen type	Collection tag	Determined	Specimen Number	Country	Collection
<i>Pi. reclusus</i>	Female	Paratype	Est. Maritza, 600 m, lado O Vol. Orosi, Prov. Guanacaste, Costa Rica, M. Reyes., 27 feb-10 mar 1992, L- N 326900_373000	Harry Brailovsky	INBIOCRI000 429969	Costa Rica	INBio
<i>Pi. reclusus</i>	Male	Paratype	Est. Maritza, 600 m, lado O Vol. Orosi, Prov. Guanacaste, Costa Rica, M. Reyes., 27 feb-10 mar 1992, L- N 326900_373000	Harry Brailovsky	INBIOCRI000 429970	Costa Rica	INBio
<i>Pi. reclusus</i>	Female	Specimen	Est. Murciélago, Prov. Guana, COSTA RICA. 80 m. 4-22 AGO 1994, C. Cano, L N 320300_347200 # 3167	Thomas Lewis	James INBIOCRI002 015483	Costa Rica	INBio
<i>Pi. reclusus</i>	Female	Specimen	P.N. Barra Honda, Prov. Guana, COSTA RICA. 100 m. Oct 1994, M. Reyes, L N 239000_386000 # 3291	Thomas Lewis	James INBIOCRI002 119669	Costa Rica	INBio
<i>Pi. reclusus</i>	Male	Specimen	P.N. Barra Honda, Prov. Guana, COSTA RICA. 100 m. Oct 1994, M. Reyes, L N 239000_386000 # 3291	Thomas Lewis	James INBIOCRI002 119670	Costa Rica	INBio
<i>Pi. reclusus</i>	Male	Specimen	P.N. Barra Honda, Prov. Guana, COSTA RICA. 100 m. Oct 1994, M. Reyes, L N 239000_386000 # 3291	Thomas Lewis	James INBIOCRI002 119671	Costa Rica	INBio

<i>Pi. reclusus</i>	Male	Specimen	Costa Rica, Palo Verde, ii-1997, J. Coronado	Harry Brailovsky		Costa Rica	UNAM
<i>Pi. reclusus</i>	Female	Specimen	Costa Rica, Palo Verde, ii-1997, J. Coronado	Harry Brailovsky		Costa Rica	UNAM
<i>Pi. reclusus</i>	Male	Specimen	Costa Rica, Guanacaste, Bagaces, Palo Verde, 10 msnm, vi-2012. S. Amador	James Coronado		Costa Rica	MZUCR
<i>Pi. reclusus</i>	Female	Specimen	Costa Rica, Guanacaste, Bagaces, Palo Verde, 10 msnm, vi-2012. S. Amador	James Coronado		Costa Rica	MZUCR
<i>Pi. reclusus</i>	Female	Specimen	Costa Rica, Guanacaste, Bagaces, Palo Verde, 10° 20' W & 89° 19' vi-2012. S. Amador	James Coronado		Costa Rica	MZUCR
<i>Pi. reclusus</i>	Male	Specimen	Panamá, Ciudad de Panamá, Parque Natural Metropolitano, 2-v-2019, V. Orribarra	James Coronado		Panamá	STRI
<i>Pi. reclusus</i>	Female	Specimen	Panamá, Ciudad de Panamá, Parque Natural Metropolitano, 2-v-2019. V. Orribarra	James Coronado		Panamá	STRI
<i>Pi. reclusus</i> *	Male	Specimen	Road K1- K1a, Fort Kobbe, C.Z., 15.vi.1975. Col. H.D. Engleman	Dodge Engleman		Panamá	STRI
<i>Pi. reclusus</i> *	Female	Specimen	Road K1- K1a, Fort Kobbe, C.Z., 15.vi.1975. Col. H.D. Engleman	Dodge Engleman		Panamá	STRI
<i>Pi. reclusus</i> *	Female	Specimen	Road K1- K1a, Fort Kobbe, C.Z., 15.vi.1975. Col. H.D. Engleman	Dodge Engleman		Panamá	MIUP
<i>Pi. reclusus</i> *	Male	Picture of specimen	Punta Vacamonte 8° 52' N, 79° 40' W. Pan. 9 Sep. 72. Col: D. Engleman.	W. R. Dolling	BM1973-607	Panamá	BMNH
<i>Pi. chontalensis</i>	Female	Picture of specimen	V. de Chiriquí, 2-3000 ft. Champion. Distant Coll. 1911-383	James Coronado		Panamá	BMNH

<i>Pi. chontalensis</i>	Male	Specimen	Panamá, Chiriquí, David, Jardín Botánico Campus UNACHI, ix-2009. I. Martínez e I. Santos	James Coronado	Panamá	MIUP
<i>Pi. chontalensis</i>	Female	Specimen	Panamá, Chiriquí, David, Jardín Botánico Campus UNACHI, ix-2009. I. Martínez e I. Santos	James Coronado	Panamá	MIUP
<i>Pi. chontalensis</i>	Male	Specimen	Panamá, Chiriquí, David, Río Platanal, 4-v-2019. V. Orribarra.	James Coronado	Panamá	STRI
<i>Pi. chontalensis</i>	Female	Specimen	Panamá, Chiriquí, David, Río Platanal, 4-v-2019. V. Orribarra.	James Coronado	Panamá	STRI

*Originally identified as *Capaneus chontalensis* and now determined as *Pi. reclusus* by James Coronado.