

Supplementary material 1. Examined specimens

Type Status	Sex	Species	Catalog Number	Locality	Latitude	Longitude	Country	Date	Collector(s)	Notes
Holotype	♀	<i>Ami amazonica</i>	ICN-Ar-1149	Amazonas—Leticia	-4.16972	-69.94694	Colombia		E. Florez	
Holotype	♂	<i>Ami bladesi</i>	MIUP	Isla Colón	9.3333	-82.25	Panama		R. Gabriel	
Holotype	♂	<i>Ami caxiuana</i>	MPEG(ARA)000994	Caxiuana - Melgaço			Brazil		J.A.P. Barrios & L.T. Miglio	
Paratype	♀	<i>Ami caxiuana</i>	MPEG(ARA)000989	Caxiuana - Melgaço			Brazil		J.A.P. Barrios & L.T. Miglio	
Holotype	♂	<i>Ami pijaos</i>	ICN-Ar-1995	Tolima	4.5	-75.25	Colombia		H. Pulido	
Paratype	♀	<i>Ami pijaos</i>	ICN-Ar-1997	Puerto Boyacá	5.804965	-74.386884	Colombia		J. Pinzon	
Holotype	♂	<i>Ami weinmanni</i>	FCE-MY	La Azulita	7.27166	-71.94027	Venezuela		D. Weinmann	
Paratype	♀	<i>Ami weinmanni</i>	FCE-MY	La Azulita	7.27166	-71.94027	Venezuela		D. Weinmann	
Holotype	♂	<i>Ami yupanquii</i>	OUMNH	near Puyo	-1.5	-77.9667	Ecuador	2001	P. Stevens	
Paratype	♀	<i>Ami yupanquii</i>	OUMNH	near Puyo	-1.5	-77.9667	Ecuador	2001	P. Stevens	
Holotype	♀	<i>Eurypelma parvior</i>	AMNH	Barro Colorado Island			Panama		A.M. Chickering	
Holotype	♀	<i>Neischnocolus panamanus</i>	PMY	Cerro Iglesia, Remedios			Panama			
Holotype	♀	<i>Neischnocolus cisnerosi</i>	ZSFQ-i11100	Reserva Otongachi—Fundación Otonga	-0.32	-78.95	Ecuador		F. Velasquez	
Holotype	♂	<i>Neischnocolus tsere</i>	MECN-AR-450	Río Blanco	-2.354631	-78.151706	Ecuador		J. Falcón-Reibán & A. Recalde	
Non-type	♀	<i>Neischnocolus panamanus</i>	MCZ IZ-96559	Barro Colorado Island			Panama	09/07/1950	B. L.	With egg sac
Non-type	♂	<i>Neischnocolus panamanus</i>	MCZ IZ-96560	Barro Colorado Island			Panama	20/07/1954		
Non-type	♂	<i>Neischnocolus panamanus</i>	MCZ IZ96561	Barro Colorado Island			Panama	01/08/1936	A. Chickering	
Non-type	imm. ♀	<i>Neischnocolus panamanus</i>	MCZ IZ-96562	Barro Colorado Island			Panama	01/1960	W. Brown	
Non-type	♀	<i>Neischnocolus panamanus</i>	MIUP	Isla Escudo de Veraguas, Sendero Mirador			Panama	05/08/2006	D. Correa	59 m
Non-type	♀	<i>Neischnocolus panamanus</i>	MIUP	Santa Rita Norte, Colón	9.3333	-76.7667	Panama	07/07/2007	R. J. Miranda	Cerca campo de Antenas
Non-type	♀	<i>Neischnocolus panamanus</i>	MIUP	Ciudad de Panamá, La Pulida			Panama	20/04/2005	José D. Espinar	
Non-type	♀	<i>Neischnocolus panamanus</i>	MIUP	Sabanita, Colón			Panama	22/04/1986	Olivia J. Brathwaite	
Non-type	♂♀	<i>Neischnocolus panamanus</i>	MIUP	El Valle, Quebrada Amarilla, Coclé			Panama		Georgina Sánchez de Mendoza	
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	Villa Antón, Coclé			Panama	30/04/2011	John Cloghorn	In Nasutitermes nest
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	Las Cumbres, Panamá			Panama	03/05/2002	R. Jimenez	
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	Arraijan, Cerro Silvestre			Panama	06/08/2007	R. J. Miranda	
Non-type	2 ♂♂	<i>Neischnocolus panamanus</i>	MIUP	Rancho Frio, PN Darién			Panama	08-19/04/2002	R. Miranda, A. Santos, R. Cambra	Estación Rancho Frio
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	Valle de la Mina, Chiriquí			Panama	27/04/2010	R. Gabriel & O. Young	
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	Santa Rita Norte, Colón	9.3333	-76.7667	Panama	07/07/2007	R. J. Miranda	Cerca campo de Antenas
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	La Chorrera, Altos de San Francisco			Panama	22/05/2000	P. González	
Non-type	♂	<i>Neischnocolus panamanus</i>	MIUP	La Chorrera, Altos de San Francisco			Panama	15/05/2000	P. González	
Non-type	1 ♂ 1 ♀	<i>Aguapanela arvi</i>	ICN-Ar-11877	Caldas, Pensilvania	5.376497	-75.17397	Colombia		M. Medrano	det. Y. Cifuentes