

Supplementary file 1

Labels of the examined material

The labels are arranged in sequence from top to bottom, from left to right. The data of each label were between double quotation marks (“ ”) and each line was separated by a backslash (\). Additional details are between brackets ([]). The number and sex of specimens with labels containing the same information are between parentheses at the end of the respective label (when it does not belong to type material). When there was more than one label to a specimen, they were separated by a vertical bar (|).

Coilodes bezerrai Basílio & Vaz-de-Mello, sp. nov.

Type material

Holotype (♂)

“COLOMBIA. Santander \ Serrania de las quinchas \ Reserva El paujil \ November/2006 \ Trampa de calda \ Cebo heces de *A. hybridus* \ Santos-Zarate | M 61 \ *Coilodes* Sp fam \ Hybosoridae \ hembra [CEMT]”.

Paratypes (1♂ and 1♀)

“COLOMBIA. Santander \ Serrania de las quinchas \ Reserva El paujil \ November/2006 \ Trampa de calda \ Cebo heces de *A. hybridus* \ Santos-Zarate | M 61 \ *Coilodes* Sp fam \ Hybosoridae \ hembra [DZUP]” (1♂); “COLOMBIA. Santander \ Serrania de las quinchas \ Reserva El paujil \ November/2006 \ Trampa de calda \ Cebo heces de *A.*

seniculus \ Santos-Zarate | M 61 \ *Coilodes* Sp fam \ Hybosoridae \ hembra [CEMT]”
(1♀).

***Coilodes castaneus* Westwood, 1846**

Type material

Lectotype of *C. castaneus* (♀)

“LECTOTYPE [red label] | *Coilodes* \ castaneus Westw. \ Det. F. Chalumeau /84 \ castaneus \ Buqr. Colombia \ CO TYPE \ WESTWOOD \ Trans. Ent. Soc. \ 4. 1846. P. 165. \ Coll. Hope Oxon. | May be Type [green label torn at the top] | *Coelodes* \ castaneus, Westw \ co-Type | MSS. By G. J. Arrow. \ In Brit. Mus. 1906. | Type Col: 494 \ *Coelodes* \ castaneus \ Westw. \ HOPE DEPT. OXFORD. [OUMNH]”.

Lectotype of *C. nigripennis* (♂)

“Lecto - \ type [small round label] | Leeward side \ St. Vincent, W. I. \ H. H. Smith \ /96. | W. I* dies. 1903.336. [* representing a non-visible letter due to the pin hole] | *Coelodes* \ nigripennis, \ type Arrow | *Coelodes* ♂ \ *punctipennis* Arr \ M. E. Bacchus det 1975. \ LECTOTYPE | *Coilodes* \ nigripennis (Arrow) \ Det. F. Chalumeau /84. [NHMUK]”.

Holotype of *Gnombolbus orosi*

Examined from the images in the original description (Prokofiev, 2013a).

Additional material

In addition to the type material, 54 specimens were analyzed (25♂ and 29♀):
 “NICARAGUA: Mantagelpa \ Dpt., Selva Negra \ 13-VI-2002 \ F. W. Skillman Jr.” (3♀)
 [CEMT]; “Costa Rica: Provincia \ Guanacaste: Parque \ Nacional, Santa Rosa \ A. Forsyth
 IX-1-1977” (1♀) [CEMT]; “CR2B/ COSTA RICA, PROV. \ GUANACASTES,
 RINCON DE LA \ VIEJA NP, 29.06.2004, 778M \ N10°46’05,5” W085°16’46,4” \ LG.
 DOSTAL & UHLER | Coll. A. Dostal \ Austria \ Vienna” (1♂) [CEMT]; “COSTA RICA:
 Alajuela \ Monteverde \ 6-VI-1990 \ L. A. Stange” (1♀) [CEMT]; “Costa Rica: Prov. \
 Putarenas, Monte \ Verde V-28-1977 \ A. Forsyth” (1♂)[CEMT]; “COSTA RICA:
 Puntarenas, \ Monteverde. 24.V.1979 \ Coprotrampa A. Fotsytá, \ leg. | Coilodes \
 castanea \ W. B. Warner, det. ‘94” (1♀) [CEMT]; “COSTA RICA: Putarenas. \ Est Biol
 Las Cruces 8°47’N; 82° \ 57’W FIT 18-20-VI-2005. \ M Forro.” (4♂ and 2♀)
 [CEMT]; “COSTA RICA: Putarenas. \ Est Biol Las Cruces 8°47’N; 82° \ 57’W FIT 18-
 20-VI-2005. \ M Forro.” (1♂ and 1♀) [DZUP] “C.R Savegre, Providencia \ LaPiedra,
 Finca MORA \ Bosque Excr. 1B \ 11/13-VII-02 \ Leg.: J.ZAMORA | HYBOSORIDAE
 \ Coilodes castaneus \ Westwood, 1846 ♀ \ Det.: J.ZAMORA” (1♀) [CEMT];
 “PANAMÁ: Chiriqui. 2Km \ S Bosque. 1400m. 24-VII- \ 1998. MHardy.” (1♂ and 1♀)
 [CEMT]; “PANAMA: Chiriqui Province, \ Santa Clara vill. Env., Finca \ Hartmann, ojo
 de Agua, \ 08°51.7’N, 82°44.6’W, 1430 m, \ 8-11.ix.2017, Fikácek, Hajek \ Seidel &
 Sekerka lgt. \ PAN30 | Pitfall traps (rotten squid) in a \ lower tropical mountain forest”
 (1♂ and 3♀) [CEMT]; “PANAMA: Colón. SanLorenzo \ Forest. 9°17’N, 79°58’W FIT \
 V-2004 A. Tishechkin” (3♂ and 2♀) [CEMT]; “PANAMA: Colón Prov., \ San Lorenzo
 Forest, STRI \ Carne site. 9°17’N 79°58’W \ *Eciton burchelli* colony EP-24 \ Total
 sampling of nomadic | bivouac next to tree trunk \ 20 May 2004 \ A. K. Tishechkin. AT
 – 520” (2♀) [CEMT]; “PANAMA: Panama. Cerro \ Campana. 700m \ V-2007 D. Curoe”

(1♂) [CEMT]; “PANAMA: Panamá Province, PN \ Altos de Campana, Cerro \ Campana, 08°41.1’N, 79°56.0’W, \ 800-900 m; 1-13.ix.2017 \ Fikáček, Seidel & Sekerka lgt. \ PAN37 | Flight intercept trap on ridge in a \ lower tropical mountain forest” (2♂) [CEMT]; “PANAMA: Panamá Province, PN \ Altos de Campana, Cerro \ Campana, 08°41.1’N, 79°56.0’W, \ 800-900 m; 1-13.ix.2017 \ Fikáček, Seidel & Sekerka lgt. \ PAN37 | Flight intercept trap on ridge in a \ lower tropical mountain forest” (1♂ and 1♀) [CERPE] “PANAMA: Panamá Province, PN \ Altos de Campana, Cerro \ Campana, 08°41.1’N, 79°56.0’W, \ 800-900 m; 21-24.vii.2017 \ Seidel & Sekerka lgt. \ PAN2b | Flight intercept trap on ridge in a \ lower tropical mountain forest” (2♂ and 1♀) [CEMT]; “PANAMA: Panamá Province \ PN Altos de Campana, Cerro \ Campana, 08°41.1’N, 79°56.0’W, \ 800-900 m; 17-21.vii.2017 \ Seidel & Sekerka lgt. \ PAN2a | Flight intercept trap on ridge in a \ lower tropical mountain forest” (2♂) [CEMT]; “PANAMA: Panamá Province \ PN Altos de Campana, Cerro \ Campana, 08°41.1’N, 79°56.0’W, \ 800-900 m; 17-21.vii.2017 \ Seidel & Sekerka lgt. \ PAN2a | Flight intercept trap on ridge in a \ lower tropical mountain forest” (1♂) [DZUP]; “PANAMA: Chiriqui Prov. \ Hartmann’s Finca \ 4-7-VII-1997 \ Morris & Wappes | Feces baited \ pitfall trap” (1♂ and 1♀) [CEMT]; “PANAMA: Chiriqui Prov. \ Hartmann’s Finca \ 4-7-VII-1997 \ Morris & Wappes | Feces baited \ pitfall trap” (1♂ and 1♀) [CERPE]; “PANAMA: Pnm. Prov. \ Pipeline Rd.K 1-12 \ 30-VI-1997 \ Morris & Wappes | Feces baited \ pitfall trap” (2♀) [CEMT]; “PANAMA: Canal zone \ Skunk Hollow, 6mi \ NW Gatun Locks \ V-17-31-1980 \ B. C. Ratcliffe” (1♂ and 1♀) [DZUP]; “PANAMA: Canal zone \ Skunk Hollow, 6mi \ NW Gatun Locks \ V-17-31-1980 \ B. C. Ratcliffe | *Coilodes* \ castaneus \ West. \ Det. F.C. Ocampo 2003” (1♂) [DZUP]; “Panama: Canal zone \ Barro Colorado Is. \ VII-19-1978 \ dung trap: A. Forsyth” (2♀) [CEMT]; “P.N.N. Enseada do Utria \ Chocó,Col. \ Junio 10

- Julio 3 1997 \ Llanos- Jurado Leg. | Junio 30,1997 \ Muestra 21,selva-noche \ P.t. all.camarón podri. \ Morfosp 31 | 69” (1♀) [CEMT]; “COLOMBIA: Tolima. Ibagué. \ Quebrada La Honda. 4 19 38 \ N, 75 05 39 W. 790m, X-2005. \ bosque, pitfall, J. Noriega” (1♀) [CEMT].

Coilodes edeiltae Basílio & Vaz-de-Mello, sp. nov.

Type material

Holotype (♂)

“BRASIL: Paraná, Rancho \ Alegre. Fazenda Congonhas, \ 22°47’45”S; 51°00’12”W \ 580m. pitfall fish. \ 27-ix-2012. P. M. Félix. [CEMT]”.

Paratypes (47♂ and 23♀)

“BRASIL. MG. Lavras \ próx. Poço Bonito \ XII-2001 Vaz-de-Mello. [CERPE]” (1♂); “BRASIL. MG. Lavras \ próx. Poço Bonito \ X-2001 P. Grossi \ & FZ Vaz-de-Mello. [CERPE]” (1♀); “BRASIL: MG \ Lavras XI-1997 \ Vaz-de-Mello \ & Louzada [CEMT]” (2♂ and 2♀); “LAVRAS – MG \ 24.X.03 \ Col. ALVES, V. S. [CEMT]” (1♂); “BRASIL: RJ \ Nova Friburgo \ III-1998. FIT \ P. & E. Grossi. [CEMT]” (9♂ and 11♀); “BRASIL: RJ \ Nova Friburgo \ XI-1996 \ F Z Vaz-de-Mello [CEMT]” (2♂); “BRASIL: RJ \ Nova Friburgo \ XI-1998. \ P. & E. Grossi [CEMT]” (1♂); “Brasil, RJ, Itatiaia, ParNa \ Itatiaia, Mata Atlântica \ 22°27’11”S, 44°36’28”W \ 850m, 20.I.2012, Pitfall \ Fezes Humana, C.Araujo \ UFLA ICO [vertical] \ 1602597 [vertical] [CEMT]” (1♂); “Arm. de solo \ B/ II – b | Campo dosGoytacazes, \ RJ-Mata do merguão \ 31/XII/2003 – 14/I/2004 \ C. C. L. Teixeiracol. [CEMT]” (1♂); “Arm. de solo \ B/ II – b | Campo dosGoytacazes, \ RJ-

Mata do mergulhão \ 31/XII/2003 – 14/I/2004 \ C. C. L. Teixeiracol. [DZUP]” (1♂ and 1♀); “Carça [vertical] \ BRASIL:SP \ Campinas \ B. da Paz \ X – 1997 \ M. R. Mattos [CEMT]” (1♂ and 3♀); “BRASIL: Paraná, Rancho \ Alegre. Fazenda Congonhas, \ 22°47’45”S; 51°00’12”W \ 580m. pitfall fish. \ 27-ix-2012. P. M. Félix [CEMT]” (19♂ and 1♀); “BRASIL: Paraná, Rancho \ Alegre. Fazenda Congonhas, \ 22°47’45”S; 51°00’12”W \ 580m. pitfall fish. \ 27-ix-2012. P. M. Félix. [DZUP]” (4♂); “BRASIL: Paraná, Rancho \ Alegre. Fazenda Congonhas, \ 22°47’45”S; 51°00’12”W \ 580m. pitfall fish. \ 27-ix-2012. P. M. Félix. [CERPE]” (1♂); “BRASIL: Paraná, Cornélio \ Procópio. Parque Estadual \ Mata São Francisco. 23°09’ \ 28”S; 50°34’18”W. 19-XII- \ 2009. Trap attractive. N Cipola. [CEMT]” (1♂); “BRASIL: Paraná, Cornélio \ Procópio. PE Mata São \ Francisco. 23°09’28.20”S; \ 50°34’18.50”W. Pitfall \ 14-VIII-19-IX-2009. \ N Cipola. [DZUP]” (1♀); “BRASIL: Paraná, Cornélio \ Procópio. P.E. Mata São \ Francisco. 23°09’33”S; \ 50°34’13”W. Pitfall \ 14-VIII-19-IX-2009. \ NGCipola. [CEMT]” (2♂ and 1♀); “57 | M4 \ 24.11.98 | BRASIL:PR \ Londrina \ XI-XII-1998 \ I M Medri [CEMT]” (1♀); “57 | BRASIL:PR \ Londrina \ XI-XII-1998 \ I M Medri [CERPE]” (1♀).

Coilodes fumipennis Arrow, 1909

Type material

Lectotype (1♂)

“♂ | Lecto- \ type [small round label] | 57 \ 125 [small rounded light blue label] *Coelodes* \ *fumipennis* \ Type Arrow | *Coelodes* ♂ \ *fumipennis* arr \ M. E. Bacchus det 1975. \ LECTOTYPE [NHMUK]”.

Additional material

In addition to the type material, 138 specimens were analyzed (55♂ and 83♀):

“Colombia. 1920 \ Dept. Magdalena \ Hacienda Cincinnati \ Alt. 3500 ft. | VI. 11 1920 \ F. M. Galge \ 34 | Colección: \ G. HALFFTER | *Coilodes* | *Coilodes* \ Hybosorinae” (1♀) [CEMT]; “COLOMBIA. Boyacá \ Cusiana Coiyoque \ 5°26'05"N; 72°41'30"W \ 2100m. Potrero Ex H \ F. Escobar. Junio/97” (1♂ and 1♀) [CEMT]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37'22"N; \ 53°12'57"W. 326m. 13-V- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052646” (1♀) [CERPE]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37'22"N; \ 53°12'57"W. 326m. 13-V- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052648” (1♀) [CEMT]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37'22"N; \ 53°12'57"W. 326m. 13-V- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052645” (1♀) [CEMT]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37'22"N; \ 53°12'57"W. 326m. 13-V- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052643” (1♀) [CEMT]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37'22"N; \ 53°12'57"W. 326m. 13-V- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052644” (1♀) [CEMT]; “Guyane française, \ Bélédère de Saül, \ 07/IV/2011, vitre 5, \ Stéphane Brûlé leg.” (1♀) [CEMT]; “Guyane française, Point \ Bélédère deveu du Saül, \ 07/II/2011, piège \ vitre, \ Stéphane Brûlé leg. | DZUP \ 289689” (1♂) [DZUP]; “Guyane française, Point \ Bélédère deveu du Saül, \ 07/II/2011, piège \ vitre, \ Stéphane Brûlé leg. | DZUP \ 289786” (1♀) [DZUP]; “Guyane française, Point \ Bélédère deveu du Saül, \ 07/II/2011, piège \ vitre, \ Stéphane Brûlé leg. | DZUP \ 289796” (1♀) [DZUP]; “Guyane française, Point \ Bélédère deveu du Saül, \ 06/V/2011, piège \ vitre, \ Stéphane Brûlé leg. | DZUP \ 289470” (1♀) [DZUP]; “Guyane française, Point \ Bélédère deveu du Saül, \ 13/V/2011,

piège \ vitre, \ Stéphane Brûlé leg. | DZUP \ 289593” (1♂) [DZUP]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. 326m. \ 20-V- 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052662” (1♂) [CEMT]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. \ 326m. 30-VI- 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052664” (1♀) [CEMT]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. 326m. \ 22-III- 2011. FIT. SEAG. Lg. | CEMT \ Cuiabá \ 0052659” (1♀) [CEMT]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. \ 326m. 15-IX- 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052660” (1♀) [CEMT]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37’22”N; \ 53°12’57”W. 326m. 14-III- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052653” (1♀) [CEMT]; “GUYANE FR: St. Laurent \ du Maroni, Bélvédère de \ Saül, 3°37’22”N; \ 53°12’57”W. 326m. 14-III- \ 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052654” (1♀) [CEMT]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. 326m. \ 14-III- 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052655” (1♀) [CEMT]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. 326m. \ 14-III- 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052657” (1♀) [CEMT]; “GUYANE FR: St. Laurent du \ Maroni, Bélvédère de Saül, \ 3°37’22”N; 53°12’57”W. 326m. \ 14-III- 2011. SEAG. Lg. | CEMT \ Cuiabá \ 0052658” (1♀) [CEMT]; “FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37’22”N; \ 53°12’57”W. 326m. FIT- \ 30.iii.2011. SEAG. Lg.” (1♂) [CEMT]; “FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37’22”N; \ 53°12’57”W. 326m. FIT- V3 \ 30.iii.2011. SEAG. Lg.” (1♀) [CEMT]; “FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37’22”N; \ 53°12’57”W. 326m. FIT- 1 \ 30.iii.2011. SEAG. Lg.” (1♀) [CEMT]; “FRENCH GUYANE, Saint \

Laurent du Maroni, Bélvédé \ re de Saül, 3°37'22"N; \ 53°12'57"W. 326m. FIT- V6 \ 30.iii.2011. SEAG. Lg." (1♀) [CEMT]; "FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37'22"N; \ 53°12'57"W. 326m. FIT- 6 \ 06.v.2011. SEAG. Lg." (1♀); "FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37'22"N; \ 53°12'57"W. 326m. FIT- 6 \ 06.v.2011. SEAG. Lg." (1♂) [CEMT]; "FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37'22"N; \ 53°12'57"W. 326m. FIT- 3 \ 27.v.2011. SEAG. Lg." (1♂) [CEMT]; "FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37'22"N; \ 53°12'57"W. 326m. VPV- 3 \ 27.v.2011. SEAG. Lg." (1♂) [CEMT]; "FRENCH GUYANE, Saint \ Laurent du Maroni, Bélvédé \ re de Saül, 3°37'22"N; \ 53°12'57"W. 326m. FIT- \ VPV1 01.v.2011. SEAG. Lg." (1♂) [CEMT]; "GUYANE FR: St. Cayenne. \ Nouragues, inselberg. \ 4°05'N; \ 52°41'W. 411m. 9- \ IX-2010. FIT. SEAG. Lg. | CEMT \ Cuiabá \ 0052661" (1♂) [CEMT]; "GUYANA FR: \ Nouragues. Xii-1995. \ Forêt primaire. F.Feer." (1♀) [CEMT]; "FR. GUYANE: Cayenne, \ Cayenne-Kourou, RN2 \ PK65, savane, FIT, \ 02.viii.2011, JTourroult" (1♂ and 2♀) [CEMT]; "GUYANA FR: \ Nouragues. XII-1995. \ forêt primaire. F.Feer." (1♀) [CEMT]; "BRASIL: PA. Redenção \ Pinkiaiti – Aik \ 07°46' S, 51°58' W \ P. Y. Scheffler \ 31-X-1988 [vertical line]" (1♂) [CEMT]; "Brasil Pará São Félix do Xingu Área \ Indígena Kayapó Pinkaiti Research \ Station 7° 45' S; 51° 57' W Intact \ Forest Carrion baited 21-23-X-1999 \ P. Y. Scheffler" (1♀) [CEMT]; "Óbidos – Pará \ Brasil I-1962 F.M. Oliveira." (1♀) [CEMT]; "BRASIL: AC \ Rio Branco \ Faz. Catuaba \ II-1997 \ FZ Vaz-de-Mello" (1♂ and 2♀) [CEMT]; "BRASIL: Rondônia, Parq. \ Estadual Guajará-Mirim, \ 10°19.208'S, 64°33,477W, \ 25.xi.2016, Pitfall 5, \ Human dung, Silveira, \ M.A.P.A. Leg." (1♂ and 2♀) [CEMT]; "BRASIL: Rondônia, Parq. \ Estadual Guajará-Mirim, \ 10°19.208'S, 64°33,477W, \

25.xi.2016, Pitfall 5, \ Human dung, Silveira, \ M.A.P.A. Leg.” (1♂ and 1♀) [CERPE]; “BRASIL: Rondônia, Parq. \ Estadual Guajará-Mirim, \ 10°19.208’S, 64°33,477W, \ 25.xi.2016, Pitfall 5, \ Human dung, Silveira, \ M.A.P.A. Leg.” (1♂ and 1♀) [DZUP]; “BRASIL: Rondônia, Parq. \ Estadual, Guajará-Mirim, \ 10°18.807’S, 64°32,630W, \ 23.xi.2016, Pitfall 12, \ Human dung, Silveira, \ M.A.P.A. Leg.” (1♂) [CEMT]; “BRASIL: Rondônia, Parq. \ Estadual, Guajará-Mirim, \ 10°19.194’S, 64°33,456W, \ 25.xi.2016, Pitfall 4, \ Human dung, Silveira, \ M.A.P.A. Leg.” (8♂ and 13♀); “BRASIL: Rodônia 62 \ km SW Ariquemes, nr \ Fzda. Rancho Grande \ 3-15-XII-1996 JE Eger \ Fish Carrion Pitfall” (4♂) [CEMT]; “BRASIL: Rondônia, Parq. \ Estadual Guajará-Mirim, \ 10°18.783’S, 64°32.431’W, \ 23.ix.2017, Pitfall 12, \ Human dung Silveira, \ M.A.P.A. leg.” (7♀) [CEMT]; “BRASIL: Rondônia, Parq. \ Estadual Guajará-Mirim, \ 10°19.175’S, 64°33.431’W, \ 22.ix.2017, Pitfall 3, \ Human dung, Silveira, \ M.A.P.A. leg.” (1♀) [CEMT]; “BRASIL. Mato Grosso, Alta Floresta, \ CEPLAC. Fezes hum. 05.III.2010. \ V. Gonçalves.” (4♂) [CEMT]; “BRASIL. Mato Grosso, Alta Floresta, \ CEPLAC. Fezes hum. 05.III.2010. \ V. Gonçalves.” (1♂) [CERPE]; “BRASIL: Mato Grosso. Santo \ Antônio do Leverger. São \ Vicente da Serra. Campus \ IFMT. 15°49’42”S 55°25’11”W. \ 3-5-XII-2011. bov dung. forest. \ AS Tissiani & F Vaz de Mello | MATA 1 \ BOV 5” (2♂) [CEMT]; “BRASIL: Mato Grosso, \ Cotriguaçu. Faz São \ Nicolau. Matinha \ 09°50’19”S; 58°15’03”W. Pitfall \ c/ hum faec. 08-X-2009. Vaz- \ de-Mello” (2♂ and 3♀) [CEMT]; “BRASIL: Mato Grosso, \ Cotriguaçu. Faz São Nicolau. Matinha \ 09°48’49”S; 58°18’24”W. \ Hum Faec. 16-XII-2010. \ A. F Oliveira e J. P Silva.” (1♀) [CEMT]; “BRASIL: Mato Grosso. Cotriguaçu, \ Faz São Nicolau, flor.prim. 250m \ 09°50’24”S, 58°19’10”W. Fezes \ hum. 05-X-2009. Vaz-de-Mello” (2♂ and 3♀) [CEMT]; “BRASIL: Mato Grosso, \ Cotriguaçu. Faz São \ Nicolau. Prainha

09°51' \ 36''S; 58°12'53''W. Pitfall \ X-2009. FZ Vaz-de-Mello” (1♂) [CEMT]; “BRASIL: Mato Grosso. \ Novo Mundo. PE \ Cristalino. P2.9°27'60''S \ ; 55°50'2''W. XI-2012. \ Pitfall. V Magalhães” (2♀) [CEMT]; “BRASIL: Mato Grosso. \ Novo Mundo. PE \ Cristalino. P5.9°27'60''S \ ; 55°50'2''W. XI-2012. \ Pitfall. V Magalhães” (1♀) [CEMT]; “BRASIL: Mato Grosso. Cotri \ guaçú, Faz. São Nicolau, \ Matinha 09°50'19''S, 58°15' \ 15''W, FIT, 30.x.2017. Vaz- \ de-Mello et al.” (1♂ and 2♀) [CEMT]; “BRASIL: Mato Grosso. \ Cotriguaçú, Faz. São \ Nicolau, 09°49'9''S, \ 58°15'30''W, 24-31.x.2014, \ pitfall, M.Karam-Gemael.” (1♀) [CEMT]; “BRASIL: Mato Grosso. \ Cotriguaçú, Faz. São Nico \ lau, PPBio1 09°49'17''S, \ 58°15'32''W, FIT, 01-03.xi. \ 2017. Vaz-de-Mello et al.” (7♂ and 10♀) [CEMT]; “BRASIL: Mato Grosso. \ Cotriguaçú, Faz. São Nico \ lau, Matinha do Fernando, \ 09°50'19''S, 58°15'15''W, \ FIT, 03.xi.2017. Vaz-de- \ Mello et al.” (6♂ and 4♀) [CEMT].

Coilodes humeralis (Mannerheim, 1829)

Type material

Lectotype of *C. humeralis* (♂)

“Brasilia \ 5163 1. [green label] | Zoological Institute \ Russian Academy \ of Sciences \ St. Petersburg [yellow label] | *Coelodes \ humeralis*” | LECTOTYPE \ *Coilodes humeralis* \ (Mannerheim, 1829) \ Basílio, D. S. det. [ZIN]”. Lectotype designated in this research.

Holotype of *Hybosorus gibbus* (♀)

H. gibbus: Female holotype deposited at ZSM: “Type von \ *Hybosorus \ gibbus* \ Perty. [red label] | 2. | Brasilia. \ *Hybosorus \ gibbus*. \ Perty ZSM”.

Holotype of *C. chilensis* (♀)

C. chilensis: Female holotype deposited at: “Type [small rounded label] | 76. [small blue label] | 67.45 | Chili | type \ *Coilodes* \ *chilensis* \ Westw. | Archived by \ Reinhe from \ Coll. Ent. Soc. [NHMUK]”

Additional material

In addition to the type material, 751 specimens were analyzed (375♂ and 376♀): “Brazil [small rounded blue label] | *Coilodes* \ *gibbus* (Party) \ Westw. Trans \ Ent. Soc. IV \ 164 | *Hybosorus* \ *geminatus* DJ \ Brasil” (1♀) [CEMT]; “Brasil [small rounded label] | *Coilodes* Westw. \ an. *gibbus*. \ Trans. Ent. Soc. IV. 162” (1♂) [CEMT]; “Rep Rio Grande \ GB Brasil 5 X 60 \ F. M. Oliveira” (1♂ and 1♀) [CEMT]; “BRASIL: Distrito Federal \ Brasilia. PNB, Mata de galeria \ 15°44’49.5”S, 048°00’32.3”W \ Armad. Intercepção de Voo \ 08-XII-2016.Evangelista,j.; \ Rocha, M.V.C.” (1♂ and 1♀) [CEMT]; “Viçosa, MG \ Brasil 21/11/91 \ LOPES & LOUZADA” (83♂ and 95♀) [CEMT]; “Viçosa, MG \ Brasil 21/11/91 \ LOPES & LOUZADA” (2♂ and 2♀) [CERPE]; “Viçosa, MG \ Brasil 30/I/95 \ J.N.C. Louzada Leg.” (1♀) [CEMT]; “BRASIL- MG \ Parq. Rio Doce \ 8-1992. \ J. Louzada” (1♂ and 1♀) [CEMT]; “BRASIL- MG \ Parq. Rio Doce \ 8-1992. \ J. Louzada | V de M \ 10/00 [blue label]” (1♀) [CEMT]; “BRASIL: Minas Gerais, \ Viçosa. Mata do Paraíso. \ 20°47’S; 42°51’W. XII- \ 1998. FZ Vaz-de-Mello” (38♂ and 29♀) [CEMT]; “Viçosa, MG \ Brasil 11/01/92 \ LOPES & LOUZADA” (1♂); “Viçosa, MG \ Brasil 18/12/90 \ LOPES & LOUZADA” (1♀) [CEMT]; “Viçosa, MG \ Brasil 18/12/90 \ LOPES & LOUZADA | *Coelodes* sp. \ *Hybosoroide*” (1♀) [CEMT]; “BRASIL: Minas Gerais, \ Viçosa. Mata do Paraíso, \ Fit, 13.ii.2015,SAloquio, \ Aorsetti, Clopes-Andrade

\ & Mbento” (1♂ and 3♀) [CEMT]; “BRASIL: Minas Gerais, \ Viçosa. Mata da Biologia,
 \ Pitfall, 14.ii.2015,Saloquio, \ & Mbento” (1♂) [CEMT]; “BRASIL: Minas Gerais, \
 Viçosa. Mata do Paraíso, \ Fit, 21.ii.2015,Saloquio, \ Aorsetti, Clopes-Andrade \ &
 Mbento” (1♂ and 3♀) [CEMT]; “BRASIL: MG \ Viçosa XI-96 \ Vaz-de-Mello, \ Hardy
 & Harrison \ fungos brancos” (1♂ and 4♀) [CEMT]; “BRASIL: Minas Gerais. Viçosa. \
 Mata do Paraíso, \ 20°48’20.5’’S; 42°51’12.4W. \ 781m. Pitfall, 28-I-2014. \ Tvargas &
 LS Lopes” (4♂ and 5♀) [CEMT]; “BRASIL: Minas Gerais, \ Mata do Paraíso. 20°47’ \
 S; 42°51’W. F.Z. XII- \ 1998. FZ Vaz de Mello.” (2♂) [CEMT]; “BRASIL: Minas
 Gerais, \ Viçosa. 20°45’S \ 42°53’W. October 2000 \ Flight Intercept trap \ F.Z. Vaz-de-
 Mello.” (1♀) [CEMT]; “BRASIL: Minas Gerais. \ Paula Cândido. G63, \ 20°40’53’’S;
 44°55’57’’W. \ Pitfall. I-1995.Jlouzada,P / Lopes & CFSperber” (1♀) [CEMT];
 “BRASIL: Minas Gerais, \ Viçosa. Mata do Paraíso, \ Fit, 19.ii.2015,Saloquio, \ Aorsetti,
 Clopes-Andrade \ & Mbento” (10♂ and 24♀) [CEMT]; “Brasil: Minas Gerais \ Viçosa
 – Mata da Prefeitura \ XI-2000 FZVaz-de-Mello” (3♀) [CEMT]; “BRASIL: Minas
 Gerais, Viçosa \ Campus UFV, PITFALL \ X.2000, MGF da Mata” (1♀) [CEMT];
 “BRASIL: Minas Gerais \ Araponga. Pico do Boné \ 17-XII-2000 E. Stehling” (2♂)
 [CEMT]; “BRASIL- MG \ Parq. Rio Doce \ X-1992. \ J. Louzada” (5♂ and 1♀) [CEMT];
 “BRASIL: Minas Gerais, \ Viçosa, Campus UFV, \ i.1995, Jlouzada” (1♀) [CEMT];
 “BRASIL: Minas Gerais \ Viçosa \ Mata Paraíso \ I-1996 Vaz-de-Mello” (1♂) [CEMT];
 “BRASIL: Minas Gerais, \ Nova Lima PE Serra Rola \ Moça, 2005, Gschiffler | CEMT \
 CUIABÁ \ 00052663” (1♂) [CEMT]; “BRASIL: Minas Gerais, Rio \ Novo. Mata1. 7-1-
 2013 \ HMLAdvincola” (1♀) [CEMT]; BRASIL; Minas Gerais, \ Lavras, Mata do
 Capivari, \ 21°16’25’’ S; 44°16’57’’ \ W, XII-2001, G. Schiffler” (4♂ and 1♀) [CEMT];
 “LAPINHA \ M. G. – NOV/81 \ Col. CELSO JR.” (2♂ and 2♀) [CEMT]; “Localidade:

Estação Ecológica da UFMG \ Belo Horizonte. MG Data:11/XI/1994 \ Coletor: M. F. Vasconcelos sem número \ Habitat: Mata Estacional Semidecidual \ Obs. Necrófilo. Em carcaça de rato. NI \ sp.4 \ N°. de registro M. F. Vasconcelos 189” (1♀) [CEMT]; “BRASIL:MG \ Paracatu \ S. Lourenço Jr. \ XII-97 [last line written vertically]” (2♂) [CEMT]; “BRASIL:MG \ Montes Claros \ I-2000 Louzada \ R2-P3 #2b” (1♂) [CEMT]; “BRASIL: Minas Gerais \ Campos Altos, Parque \ Estadual de Campos Altos, \ 19°43’45’’S, 46°07’32’’W. \ 16.i.2014. LDL Cardoso.” (5♂ and 4♀) [CEMT]; “BRASIL: ES. 1500 m \ Domingos Martins \ Pq. E. Pedra Azul \ I-2000 Lopes-Andrade \ & Vaz-de-Melo legs.” (1♂ and 3♀) [CEMT]; BRASIL: ES 1500m \ P.E. Pedra Azul \ I-200 Lopes-Andrade \ & Vaz-de-Mello legs.” (2♂) [CEMT]; “BAIXO GANDU-E. STO. \ BRASIL 23-30/IX/70 \ C. & C. T. Elias leg. | DPT° ZOOL. \ UF – PARANÁ | HYBOSORIDAE \ V.L.C. Lascombe det. 1996” (3♂ and 1♀) [DZUP]; “B.Guandú-ES Brasil \ 15-21.X.1970 \ Tadeu & C. Elias col | DPT° ZOOL. \ UF – PARANÁ” (7♂ and 9♀) [DZUP]; “DPT° ZOOL. \ UF-PARANÁ | Baixo Gandu – ES \ 15-21.X.1970 \ C. Elias col.” (1♂ and 2♀) [DZUP]; “DPT° ZOOL. \ UF-PARANÁ | BAIXO GANDU – ES \ BRASIL – 15 a 21 \ 10/1970-C.Elias” (1♂) [DZUP]; “BRASIL: Mato Grosso do \ Sul. Bonito Faz. Remanso \ 20°47.309’S;56°43.737’W \ XI.2009 FORoque” (4♀) [CEMT]; “BRASIL: Mato Grosso do \ Sul.Dourados M Coqueiro \ 22°12’38’’S;54°55’06’’W \ XII.2011 hum.faec \ LOBavutti” (2♂ and 1♀) [CEMT]; “BRASIL, MATO GROS- \ SO DO SUL, Dourados, \ 19/X/2007, M. Milo ca col | *Coilodes humeralis* \ (Mannerheim, 1829) \ Ide, Fuhrmann & Milo \ ca det. 2007 | 62” (1♂) [CEMT]; “BRASIL, MATO GROS- \ SO DO SUL, Dourados, \ 19/XI/2005, M. Milo ca col.” (1♀) [CEMT]; “BRASIL, MATO GROS- \ SO DO SUL, Dourados, \ 12/XI/2005, M. Milo ca col.” (1♂) [CEMT]; “Dourados \ Col Alunos” (1♀) [CEMT]; “BRASIL:MatoGrossodo \ Sul. Bonito

Faz. Brasil \ Bonito 21°06.274'S; \ 56°38.148'W XI.2009 \ FORoque” (5♀) [CEMT]; “BRASIL: Rio de Janeiro. Visconde de Mauá. \ XI-1987. C. Godinho” (2♂ and 3♀) [CEMT]; “Coleção \ M. Alvarenga | REPRESA RIO GRANDE \ Guanabara BRASIL \ x.1967 \ F. M. Oliveira | Coelodes \ gibbus \ westw. \ P. Pereira det. 968 \ Coelodes \ gibbus \ Westw.” (1♀) [DZUP]; “Coleção \ M. Alvarenga | REPRESA RIO GRANDE \ Guanabara Brasil \ V-III.1966 \ F.M.Oliveira | Coelodes \ gibbus \ Westw. \ P.Pereira det. 967” (1♀) [DZUP]; “Aniai \ Rio de Janeiro \ Dr. Nick. Jan.45.” (1♂) [UCCC]; “BRASIL, RJ, P.N.\ Itatiaia III-1993 \ E & P Grossi Leg.” (1♂) [CEMT]; BRASIL: SãoPaulo. PESerra \ domar. NucleoSantaVirgínea. \ SedeVargemGrande. \ 23°23'20''S, 45°14'16''W. \ 17-I-2012. HumanFac27. \ E Bovy” (1♀) [CEMT]; “BRASIL: São Paulo , Mogi \ das Cruzes, Parque das \ Neblinas, 23°45'49”S, 46° \ 12'05”. 1035m. pitfall \ fezes humanas. IX-2015. \ RV Nunes” (1♀) [CEMT]; “BRASIL, PR, Palotina \ Mata anexa ao Campus da UFPR \ Pitfall, 01-II-2011 (carcaça de suíno) \ R. J. Simioni, S. B. Silva & \ E. Caron, col.” (1♂) [CEMT]; “Coleção \ M. Alvarenga | CURITIBA \ Paraná BRASIL \ XI. 1958. MOURE \ LANGEC e MICHENER | Coelodes \ gibbus \ Westw. \ P. Pereira det. 968” (1♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao Campus \ (Pitfal 03) 20-XI-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♀) [DZUP]; “Curitiba-PR (BR) \ Centro Politécnico \ Bandeja \ 25/XII/2005 \ Mise, K. M.” (1♂) [DZUP]; “Curitiba- PR- Brasil \ Centro Politécnico \ 25°26'45”S 49°13'58”W \ 919 meters \ 22/VII/2006 \ Mise, K. M. col.” (1♀) [DZUP]; “Curitiba- PR- Brasil \ Centro Politécnico \ 25°26'45”S 49°13'58”W \ 919 meters \ 22/VII/2006 \ Mise, K. M. col. | 22/XI/07 GAMBÁ” (1♂ and 1♀) [DZUP]; “Curitiba- PR- Brasil \ Centro Politécnico \ 25°26'S 49°14'W - 919 m \ 2012 – R. C. Correa leg. | Criação” (4♂ and 1♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26'44”S 49°13'56”W \

13.XI.2015, Isca de frango, D.S.Basilio col.” (2♂ and 3♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 13.XI.2015, Isca de frango, D.S.Basilio col.” (1♂ and 1♀) [CERPE]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 12.XI.2015, Isca de frango, D.S.Basilio col.” (1♂) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 20.X.2016, Isca de peixe, D.S.Basilio col.” (5♂ and 2♀); “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 20.XII.2015, Isca de frango, D.S.Basilio col.” (2♂ and 2♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 27.X.2015, Isca de frango, D.S.Basilio col.” (2♂ and 1♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 28.I.2016, Isca de frango, D.S.Basilio col. (3♂ and 1♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 09.IX.2015, Isca de frango, D.S.Basilio col.” (1♂) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 09.X.2015, Isca de frango, D.S.Basilio col.” (1♂) [CERPE]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 30.X.2015, Isca de frango, D.S.Basilio col.” (1♂ and 1♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 15/X/2015, Isca de frango, D.S.Basilio col.” (3♂ and 1♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 16/X/2015, Isca de frango, D.S.Basilio col.” (12♂ and 2♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 23.X.2015, Isca de frango, D.S.Basilio col.” (13♂ and 2♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 23.X.2015, Isca de frango, D.S.Basilio col.” (1♂ and 1♀) [CERPE]; “Curitiba-PR (BR) \ Centro Politécnico \ Bandeja \ 23/XI/2005 \ Mise, K. M.” (1♀) [DZUP]; “Curitiba-PR (BR \ Centro Politécnico \ Bandeja \ 18/XI/2005 \ Mise, K. M. | *Coilodes* sp.” (1♀) [DZUP]; “Curitiba-PR (BR) \ Centro Politécnico \ Bandeja \ 22/XI/2005 \ Mise, K. M.” (2♀) [DZUP]; “Curitiba-PR (BR) \ Centro Politécnico \ Bandeja \ 06/XI/2005 \ Mise, K. M.” (1♀) [DZUP]; “Curitiba-PR (BR) \ Centro Politécnico \ Bandeja \ 01/I/2006 \ Mise, K. M.” (1♂) [DZUP]; “BRASIL, PR, Palotina \

UFPR \ Mata anexa ao campus \ (Manual) 03-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Manual) 22-XII-2011 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Manual) 01-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8”(1♂ and 1♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Manual) 18-XII-2011 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 04) 09-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♂) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 04) 05-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 04) 24-XII-2011 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (2♀) [DZUP]; “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 01) 17-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (4♀); “BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 02) 17-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (4♀) [DZUP];

BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 02) 21-I-2012 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♂) [DZUP]; BRASIL, PR, Palotina \ UFPR \ Mata anexa ao campus \ (Pitfal 03) 20-XII-2011 \ R. J. Simioni, S. B. Silva & \ E. Caron, col. | Scarabaeidae sp.8” (1♀) [DZUP]; “Brasil: Paraná, Adrianópolis \ 702565m E / 7270570 m E \ 07 a 11 XII. 2017 \ Pitfall Starube 59 \ SAD 69 \ Souza e Inista col.” (12♂ and 7♀) [DZUP]; “Brasil, PR, Curitiba, \ 25°26’44”S 49°13’56”W \ 23.XI.2016, Isca de frango, D.S.Basilio col.” (1♀) [DZUP]; “Brasil, PR, Curitiba, \

25°26'44"S 49°13'56"W \ 20.XI.2016, Isca de frango, D.S.Basilio col." (1♂) [DZUP]; "Brasil, PR, Curitiba, \ 25°26'44"S 49°13'56"W \ 20.XII.2016, Isca de frango, D.S.Basilio col." (5♂) [DZUP]; "Brasil, PR, Curitiba, \ 25°26'44"S 49°13'56"W \ 20.X.2016, Isca de frango, D.S.Basilio col." (1♀) [DZUP]; "BRAZIL: Paraná \ Londrina. Mata Godoy \ XI-13-1984 \ J. Lopes | *Coilodes \ gibbus* (Perty) \ Det. F. C. Ocampo 2003" (1♀) [DZUP]; "BRAZIL: Paraná \ Londrina. Mata Godoy \ XII-19-1984 \ J. Lopes" (1♂) [DZUP]; "BRASIL, PR, Palotina \ Mata anexa ao Campus da UFPR \ Pitfall, 16-X-2011 (carcaça de suíno) \ R. J. Simioni, S. B. Silva & \ E. Caron, col." (1♂) [DZUP]; "Brasil-Paraná-Londrina \ P. M. Arthur Thomas \ 31/01/2006 \ Col.: Lopes, J. *et. al* \ Pitfall c/ carne. Cód 3" (1♂) [CEMT]; "BRASIL: PR \ Londrina \ XI-XII-1998 \ I M Medri | 54 | M3 \ 24.11.98" (1♀) [CEMT]; "Gaviuna (Rolândia) \ Estado: Paraná \ Roosen. Ruge col. \ Dr. Nick. 9.1946" (1♂) [UCCC]; "Rolândia \ Estado: Paraná \ Roosen. Ruge col. \ Dr. Nick. 25.10.43" (1♂) [UCCC]; "Gaviuna (Rolândia) \ Estado: Paraná \ Roosen. Ruge col. \ Dr. Nick. 9.1946 | *Coilodes \ gibba* (Perty) \ ♂ R. Gutiérrez- Det.49" (1♂) [UCCC]; "55 | M4 \ 22.12.98 | BRASIL: PR \ Londrina \ XI-XII-1998 \ I M Medri" (1♀) [CEMT]; "56 | P2 \ 11.12.98 | BRASIL: PR \ Londrina \ XI-XII-1998 \ I M Medri" (1♂) [CEMT]; "BRASIL: Paraná, Rancho \ Alegre, Fazenda Congonhas. \ 22°47'45"S; 51°00'12"W. \ 580m. pitfall fish. \ 27-IX-2012. P. M. Félix." (27♂ and 26♀) [CEMT]; "BRASIL: Paraná, Cornélio \ Procópio. P.E. Mata São Francisco. 23°9'20.6"S; \ 50°34'20.04"W. Pitfall. \ 13-XI-14-XII-2009. NG Cipola" (8♂ and 10♀) [CEMT]; "BRASIL. Paraná. Balsa Nova. \ São Luiz do Purunã, Faz \ Manjolo. I-2007; 1116 m. \ 49.70°W; 25.45S. Pitfall. \ P. Lowenberg Neto Leg." (31♂ and 38♀) [CEMT]; "BRASIL: Paraná, Cornélio \ Procópio. Parque Estadual \ Mata São Francisco. 23°10' \ 11"S; 50°33'51"W. 14-XII- \ 2009. Trap attractive. N Cipola." (2♂ and 1♀) [CEMT]; "12-40 [vertical] \ Paraná \

Guarauna. | 4756 [vertical] | Coleção \ F. Justus Jor” (1♂) [DZUP]; “FOZ DO IGUAÇU \ Paraná Brasil \ 12.XII.1996 \ Exc. Dept. Zoo” (1♀) [DZUP]; “FOZ DO IGUAÇU \ Paraná Brasil \ 7.XII.1996 \ Exc. Dept. Zoo” (1♂) [DZUP]; “BRASIL: Paraná, \ Campina Grande do Sul, \ Estrada da Mandaçaia \ 9-10.xii.2011, FWT Leivas.” (1♂ and 1♀) [CEMT]; “BRASIL: Paraná, Campina \ Grande do Sul, Estrada \ da Mandaçaia FIT, 07- \ 10.iv. 2014, FWT Leivas.” (1♀) [CEMT]; “BRASIL: Paraná, Campina \ Grande do Sul, estr. da \ Mandaçaia, 25°17’47’’S, \ 49°2’13’’W, FIT A1, \ 14.i.2014. F.W.T. Leivas.” (2♂) [CEMT]; “Coleção \ M. Alvarenga | CORUPÁ \ S. Catarina BRASIL \ XI. 1953 \ A. Maller | Coelodes \ gibbus \ Westw. \ P. Pereira det. 968” (1♀) [DZUP]; “Nova Teutônia \ Santa Catarina \ Brazil XII.1980 | Collector \ F. Plaumann \ Coelodes \ gibbus \ Perty \ DET. \ R.E. WOODRUFF 192” (1♀) [CEMT]; “Brasil – SC – Campos Novos \ 27°23’S; 51°12’O Fev 2011 \ Armadilha pitfall isca \ Col: R. C. Campos” (2♂) [CEMT]; “112 | Brasil-SC-Rancho Queimado \ 49°00’52,90’’O; 27°41’22.60S \ 16.xii.2015 Pitfall (carne) \ Col: P. G. da Silva; 800m C2” (1♀) [CEMT]; 111 | Brasil-SC-Rancho Queimado \ 49°00’52.90’’O; 27°41’22.60S \ 16.xii.2015 Pitfall (fezes hum) \ Col: P. G. da Silva; 800m F1”(1♀) [CEMT]; 122 | Brasil-SC-Urubici (PamasS.JQ) \ 49°30’02.730’’O; 28°07’02.00S \ 14.I.2016; 1736m; carne, C1 \ Col: P. G. da Silva; campo 6” (1♀) [CEMT]; “Nova Teutônia – SC \ 7.XII.1983 \ Exc Dep Zoo-UFPR | DPT°.ZOOLOG \ UF-PARANÁ” (3♂ and 1♀) [DZUP]; “SC \ 178 ♀. \ 10.61. [last line written vertically]” (1♀) [DZUP]; “SC \ 178 ♂. \ 10.65. [last line written vertically]” (1♂) [DZUP]; “SC \ 178 ♂. \ 10.61. [last line written vertically] | N° 178” (1♂) [DZUP]; “JUL: 934 \ BRASIL \ R.G. do Sul \ Porto Alegre \ Röhmer. log. \ Coll. Martinez. | *Coeloides \ gibbus* \ Perty \ det. Martinez 69.” (1♀) [CEMT]; “Derrubadas \ (Pq. Est Turvo) \ 31.X.2003 \ Pitfall trap | Col. MCN \ 223462 | *Coilodes* sp. \ Vaz-de-Mello det. 2012”

(1♀) [CEMT]; “Derrubadas \ (Pq. Est Turvo) \ 31.X.2003 \ Pitfall trap | Col. MCN \ 223458 | *Coilodes* sp. \ Vaz-de-Mello det. 2012” (1♂) [CEMT]; “BRASIL, RS, Capão do Leão. Horto Botânico \ (Mata de Restinga) \ 20.XII. 2011 \ Col.: GARCIA L. | 31°48’58” S e 52°25’55 W” \ Det.: GARCIA L. \ Hybosoridae (B4)” (2♂ and 1♀) [CEMT]; “BRASIL, Rio Grande \ do Sul Riozinho rip.for \ 29°28’59”S; 56°9’16”W \ hum faec 20-23.X.2010 \ G Viegas (leg.)” (1♂) [CEMT]; “Porto Alegre, RS \ LAMI – Ponta do Cego \ 21.X a XI.2005 \ R.Moraes col. P.fall 6 | *Coilodes* sp. \ Vaz-de-Mello det. 2012” (1♂) [CEMT]; São José do Ouro, Rio \ Grande do Sul, Brasil \ Ovitampa \ E. B. Santos leg.” (1♀) [CEMT]; “BRASIL: Rio Grande do Sul. \ Mato Castelhana, FloNa \ Passo Fundo. 10-17.XII.2008 \ Pitfall. Mata Primária. RM \ Moraes” (2♂ and 3♀) [CEMT]; “ARGENTINA: Misiones \ Dos de Mayo \ XI-2007 E. Ahadie” (1♂) [CEMT]; “ARGENTINA \ Leandro Alem. \ Misiones \ X.50 \ Saitopel [last two lines written vertically]” (1♂) [UCCC]; “PARAGUAI \ Caazapa \ Euramadita \ Prechsel \ XII-91 [last line written vertically]” (2♂ and 1♀) [CEMT]; “PARAGUAY: Amambay \ Pedro Juan Caballero \ XI-1998 MARuizDiaz” (3♂ and 1♀) [CEMT]; “PARAGUAY \ DEP. CAAZAPA \ SAN JOSE \ CRISTAL \ 1 xii 1991 | *Coilodes*” (2♂) [CEMT]; “PARAGUAY: Caazapa. \ San Juan Nopomuseno, \ XII-1998, A.Ugarte-Peña” (1♀) [CEMT]; “PARAGUAY: Caazapa \ San Juan Nopomuseno \ XII-1998 Leg. U. Peña” (1♀) [CEMT]; “Paraguay \ Villa Florida \ Misiones \ 21.XII.49 \ pedtiag [last two lines written vertically]” (1♂ and 1♀) [UCCC].

Coilodes lunae Basílio & Vaz-de-Mello, sp. nov.

Type Material

Holotype (♂)

“BRASIL: Rio de Janeiro \ Itatiaia. PARNA. Itatiaia. \ 1100m. 22°25’46.1”S; \ 44°37’3”W. Pitfall \ 23-26.xii.2011. \ C. Araujo & R Andrade. [CEMT]”.

Paratypes (4♂ and 5♀)

“BRASIL: Bahia, Itabuna, \ CEPLAC, Cabruca, \ 7.i.2003 leg. M. Santos [CERPE]” (1♂); “MZUEFS [vertical] \ Brasil, BA, Ituberá, \ Pancada Grande \ Mata Madura \ 09.XII.2009 C#4 \ Lopes, P., Campos, \ M. & Oliveira, L. leg. [DZUP]” (1♂); “MZUEFS [vertical] \ Brasil, BA, Ituberá, \ Pancada Grande \ Mata Madura \ 09.XII.2009 F#3 \ Lopes, P., Campos, \ M. & Oliveira, L. leg. [CERPE]” (1♀); “BRASIL: Rio de Janeiro \ Itatiaia. PARNA. Itatiaia. \ 1100m. 22°25’46.1”S; \ 44°37’3”W. Pitfall \ 23-26.xii.2011. \ C. Araujo & R Andrade. [CEMT]” (3♀); “BRASIL: Rio de Janeiro \ Itatiaia. PARNA. Itatiaia. \ 1100m. 22°25’46.1”S; \ 44°37’3”W. Pitfall \ 23-26.xii.2011. \ C. Araujo & R Andrade. [DZUP]” (1♂ and 1♀); “BRASIL.RJ.P.N. \ Itatiaia III.1993 \ E.& P. Grossi Leg. [CEMT]” (1♂).

Coilodes mayae Basílio & Vaz-de-Mello, sp. nov.

Type Material**Holotype (♂)**

“BRASIL: Espírito Santo \ Castelo XII-1996 \ JNC Louzada [CEMT]”.

Paratypes (11♂ and 6♀)

“BRASIL: Espírito Santo \ Castelo XII-1996 \ JNC Louzada [CEMT]” (5♂ and 1♀);
 “BRASIL: Espírito Santo \ Castelo XII-1996 \ JNC Louzada [CERPE]” (1♂ and 1♀)
 “BRASIL: Espírito Santo \ Castelo XII-1996 \ JNC Louzada [DZUP]” (1♂ and 1♀);
 “BRASIL: Espírito Santo \ Venda Nova do Imigrante \ XII-2000 FZ Vaz-de-Mello
 [CEMT]” (1♂ and 2♀); “BRASIL: Espírito Santo \ Venda Nova do Imigrante \ XII-2000
 FZ Vaz-de-Mello [CERPE]” (1♂); “BRASIL: Espírito Santo \ Venda Nova do Imigrante
 \ XII-2000 FZ Vaz-de-Mello [DZUP]” (1♂ and 1♀); “BRASIL: ES. Venda \ Nova
 Imigrante \ X-1998. Falqueto \ & Vaz-de Mello [CEMT]” (1♂).

Coilodes niger (Mannerheim, 1829) Revalidated status

Type material

Lectotype (♀)

“N. T. reil [green labels] | Zoological Institute \ Russian Academy \ of Sciences \ St.
 Petersburg [yellow label] | ?niger | LECTOTYPE \ *Coilodes niger* \ (Mannerheim, 1829)
 \ Basílio, D.S. det. [ZIN]”. Lectotype designated in this research.

Additional material

In addition to the type material, 76 specimens were analyzed (40♂ and 36♀): “BRASIL:
 RJ \ Nova Friburgo \ III-1998 FIT \ P. & E. Grossi.” (16♂ and 14♀) [CEMT]; “Nova
 Friburgo \ RJ – BRASIL \ X – 1998 \ Col: P. Grossi.” (1♂) [CEMT]; “Nova Friburgo \
 RJ – BRASIL \ X – 1998 \ Col: P. Grossi.” (1♂) [DZUP]; “Macaé de Cima \ Nova
 Friburgo \ RJ. BRASIL \ I - 2006 \ Leg: B. Miller.” (2♂ and 1♀); “Macaé de Cima \ Nova
 Friburgo \ RJ. BRASIL \ I - 2006 \ Leg: B. Miller.” (1♂) [CERPE]; “Macaé de Cima \

Nova Friburgo \ RJ. BRASIL \ I - 2006 \ Leg: B. Miller.” (1♂ and 1♀) [DZUP]; “BRASIL: RJ\ Nova Friburgo\ Macaé de Cima \ I-2000 FIT E. & P. Grossi.” (1♂ and 1♀) [CEMT]; “Brasil: Rio de Janeiro, \ Nova Friburgo, Macaé de \ Cima II 2006. \ E. J. GROSSI” (11♂ and 12♀) [CEMT]; “Brasil: Rio de Janeiro, \ Nova Friburgo, Macaé de \ Cima II 2006. \ E. J. GROSSI” (2♂) [CERPE]; “BRASIL: RJ \ Nova Friburgo \ XI-1998 \ P. & E. Grossi.” (1♂ and 1♀) [CEMT]; “♀ | Teresópolis \ RJ – Brasil \ X – 1991 \ Col: A. Bello” (1♀) [CEMT]; “Teresópolis \ RJ – Brasil \ XI – 1990 \ Col: A. Bello” (1♂ and 1♀) [CEMT]; “Teresópolis \ RJ – Brasil \ XII – 1973 \ Col: A. Bello” (1♀) [CEMT]; “Pq.Nac.Serra dos \ Órgãos, Teresópolis \ RJ-BRASIL \ I-2014 \ Col: R.Monteiro” (2♂ and 3♀) [CEMT].

Coilodes ovalis Robinson, 1948

Type material

Holotype (♀)

Female Holotype deposited at CUIC: “El valle, D. F. \ Venezuela \ G. Vivas-Berthier | HOLOTYPE \ Coelodes \ ovalis \ Mark Robinson [red label] | HOLOTYPE \ Cornell U. \ No. 2404 [red label] [CUIC]”.

Additional material

In addition to the type material, 96 specimens were analyzed (36♂ and 68♀): “Colombia, Bolivar \ Serrania de San Lucas \ 8°2’15”N - 74°12’09”W \ Tpitfall Ex. Human 1550 masi \ Mar/2019 Col. Jorgr A. Noriega” (5♂ and 2♀) [DZUP]. “VENEZUELA. Yaracuy Bolivar Aroa. 10° \ 0’0”N; 68°0’0”W. 459m. 19/VII/2009. \ Heces Humanas. M.

Asmussen; P. \ Colmenares; H. Martinez.” (3♂ and 12♀) [CEMT]; “VENEZUELA: Yaracuy. \ Bolívar. Aroa. 10.3867°N \ 68.6471°W. 1380m. VII- \ 2009. Asmussen, \ Colmenares, Martínez” (1♂ and 7♀) [CEMT]; “Venezuela Yaracuy Bolívar Aroa 10° \ 0’ 0” N 68° 0’ 0” W. 710m. \ 19/VII/2009. Cabo Heces humanas. \ M. Asmussen, P. Colmenares, H. \ Martínez” (1♀) [DZUP]; “Venezuela Yaracuy Bolívar Aroa 10° \ 23’ 11.9” N 68° 50’ 0” W. 710m. \ 19/VII/2009. Cabo Heces humanas. \ M. Asmussen, P. Colmenares, H. \ Martínez” (1♀) [CEMT]; “Venezuela Yaracuy Bolívar Aroa 10° \ 23’ 6.1” N 68° 50’ 45.45” W. \ 19/VII/2009. 1415m. Heces humanas. \ M. Asmussen, P. Colmenares, H. \ Martínez” (1♂) [DZUP]; “VENEZUELA. Yaracuy Bolivar Aroa. 10° \ 20’21.98”N; 68°50’6.03”W. \ 19/VII/2009. 1362m. Heces humanas. \ M. Asmussen; P. Colmenares; H. \ Martinez.” (1♀) [CEMT]; “Venezuela Vargas Vargas La Sabana. \ 10° 35’ 47.90” N 66° 16’ 49.94”W \ 30m. 20/VII/2009 Cebo Heces \ humanas. H. Martinez, P. Cely, M. \ Córdova, M. Nuñez” (1♀) [CEMT]; “Venezuela Merida Sucre. Jaji. 8°33’ \ 29.87”N; 76°22’5.59”W. 1876m. \ 8/VII/2009. Cebo Pollo, D. Mora, P. \ Colmenares, M. Cordova, M. Nuñez.” (5♂ and 5♀) [CEMT]; “Venezuela Merida Sucre. Jaji. 8°33’ \ 29.87”N; 76°22’5.59”W. 1876m. \ 8/VII/2009. Cebo Pollo, D. Mora, P. \ Colmenares, M. Cordova, M. Nuñez.” (1♂ and 1♀) [CERPE]; “Venezuela Merida Sucre. Jaji. 8°33’ \ 29.87”N; 76°22’5.59”W. 1876m. \ 8/VII/2009. Cebo Pollo, D. Mora, P. \ Colmenares, M. Cordova, M. Nuñez.” (1♂ and 1♀) [DZUP]; “VENEZUELA: Mérida \ Hacienda El Alto \ Manzano Alto \ 1600m (Cloud Forest) \ 4-VII-1991 \ C. Porter & L. Stange” (1♀) [CEMT]; “Venezuela Merida Sucre. Jaji. 8°35’ \ 18.31”N; 71°20’47.18”W. 2037m. \ 8/VII/2009. Cebo Carne molidas, D. \ Mora, P. Colmenares, M. Cordova, M. \ Nuñez.” (1♂ and 6♀) [CEMT]; “Venezuela Merida Sucre. Jaji. 8°35’ \ 18.31”N; 71°20’47.18”W. 2037m. \ 8/VII/2009. Cebo Carne molidas, D. \ Mora, P. Colmenares, M. Cordova, M. \

Nuñez.” (1♂ and 1♀) [CERPE]; “VENEZUELA Merida, \ Libertador, meseta de zumba, \ Hacienda Los Arcos, 8°33' \ 14"N, 71°13'20"W, 1181m. \ pitfall human feces, 06.V.2016, \ RAccohacesncia & JGómez” (17♂ and 26♀) [CEMT]; “Venezuela Merida Sucre. Jaji. 8°35' \ 11.65"N; 71°20'48.3"W. 2041m. \ 8/VII/2009. Cebo Heces humanas, D. \ Mora, P. Colmenares, M. Cordova, M. \ Nuñez.” (1♀)[CEMT]; “CARACAS \ S. 1550 \ Marcuzzi leg” (1♀) [UCCC].

Coilodes parvulus Westwood 1846

Type material

The holotype (♀) of *Coilodes pavulus* was not found. It is probably in OUMNH.

Additional material

Fourty seven specimens were analyzed (22♂ and 25♀): “BRASIL, Ceará. Ubajara. PN \ Ubajara. Gruta Ubajara \ 3°49'55"S; 40°54'5"W. 480m. \ 16.II.2013. pitfall hum dung. \ Vaz-de-Melo & Grossi.” (4♂ and 8♀) [CEMT]; “BRASIL, Ceará. Ubajara. PN \ Ubajara. Gruta Ubajara \ 3°49'55"S; 40°54'5"W. 480m. \ 16.II.2013. pitfall hum dung. \ Vaz-de-Melo & Grossi.” (1♂ and 1♀) [DZUP]; “BRASIL, Ceará. Ubajara. PN \ Ubajara. Gruta Ubajara \ 3°49'59"S; 40°54'10"W. 520m. \ 19.II.2013. pitfall hum dung. \ Vaz-de-Melo & Grossi.” (2♂ and 3♀) [CEMT]; “BRASIL, Ceará. Ubajara. PN \ Ubajara. Gruta Ubajara \ 3°49'55"S; 40°54'5"W. 480m. \ 17.II.2013. Light \ Vaz-de-Melo & Grossi.” (1♂ and 1♀) [CEMT]; “BRASIL, Bahia. Ubaíra. \ 13°07'06"S; 39°41'24"W. \ 416mosl. Parc 32. XI.2011. \ Pitfall CMP Leite” (1♀) [CEMT]; “MZUEFS [vertical] \ Brasil, B.A. Ituberá, \ Panca de Grande \ Mata Maduras \ 09.XII.2009 C#2 \ Lopes, P. Campos, \ M.

& Oliveira, L. leg [first line written vertically]" (1♀) [CEMT]; "MZUEFS [vertical] \ Brasil, B.A. Ituberá, \ Panca de Grande \ Mata Maduras \ 09.XII.2009 C#3 \ Lopes, P. Campos, \ M. & Oliveira, L. leg [first line written vertically]" (1♀) [CEMT]; "BRASIL, Bahia. \ Igrapiuna. Vila 5. \ 13°48'08"S; 39°10'03"W. \ 12.IV.2010. Carvalho R" (3♂) [CEMT]; "BRASIL, Bahia. Igrapiuna, \ 15°16'27"S, 39°54'50"W, \ pitfall, xii.2011, CMP Leite |CEMT \ CUIABÁ \ 00052642 | Coilodes | Hybosoridae" (1♂) [CEMT]; "Brasil, Bahia, Aracatu, Faz. \ Lagoa do tamburi, BA262, \ Km400, NW, estr. Umbuzeiro \ da Terra, V. 10.x.2017-08.i \ 2018, A. S. Ferreira leg." (3♂ and 3♀) [CERPE]; "Brasil, Bahia, Aracatu, Faz. \ Lagoa do tamburi, BA262, \ Km400, NW, estr. Umbuzeiro \ da Terra, V. 10.x.2017-08.i \ 2018, A. S. Ferreira leg." (2♂ and 2♀) [CEMT]; "BRASIL: MG. Cordisburgo. I-1998. Vaz-de Melo." (1♂ and 3♀) [CEMT]; "BRASIL: MG \ Cordisburgo – Faz \ Pontinha XII-1997 \ F.Z. Vaz-de-Mello" (4♂ and 1♀) [CEMT].

Coilodes punctipennis Arrow, 1909

Type material

Lectotype (♂)

Male lectotype deposited at: "LECTO- \ TYPE [small rounded label] | Fry Coll. \ 1905-100. \ Equador \ Mirador | Coelodes \ punctipennis \ type ♂ Arrow | Coelodes ♂ \ punctipennis Arr \ M. E. Bacchus det 1975. \ LECTOTYPE [NHMUK]".

Additional material

In addition to the type material, 23 specimens were analyzed (11♂ and 12♀): "Bolivia Tropica \ Region Chapare 400 \ ms lischka \ 25.VII.49 [last line written vertically] |

Coilodes punctipennis. Ar \ ♀R. Gutiérrez-Det. 49” (1♂) [UCCC]; “ECUADOR Napo \ Cotococha 860m \ 15Apr1995 XCisneros | *Coilodes* \ sp. \ DT. Vaz-de-Mello 98” (1♂ and 3♀) [CEMT]; “ECUADOR: Prov. Napo. \ Tena. Puerto Izahualli. \ 17-22-III-2004 J. Jensen [CEMT]” (1♂ and 5♀) [CEMT]; “ECUADOR: Tugurahua. \ Baños “El Topo” 1°23’41”N; \ 78°22’52”W. 1590m. 23-I - \ 2011. Human faeces. \ GMaldonado.” (1♂ and 2♀) [CEMT]; “ECUADOR: Tugurahua. \ Baños “El Topo” 1°23’41”N; \ 78°22’52”W. 1590m. 23-I - \ 2011. Human faeces. \ GMaldonado.” (1♂) [CERPE]; “ECUADOR: Tugurahua. \ Baños “El Topo” 1°23’41”N; \ 78°22’52”W. 1590m. 23-I - \ 2011. Human faeces. \ GMaldonado.” (1♂) [DZUP]; “EQUADOR: Prov. Napo \ vic. Puerto Misahualli \ 1650-1900 fit 6-19-IX- \ 1998 J. E. Eger, coll. \ 1°2’4.2”S lat, \ 77°39’49.2”W log \ Fish carron baited \ pitfall trap | *Coilodes* \ *Castaneus* \ Westw. \ det. Ocampo [P.E. Skelley scratched]” (1♂) [CEMT]; “ECUADOR: Tugurahua. \ Baños “El Topo” 79°49’59”W; \ 2°34’59”S. 1390m. 23-I-2011. \ PitfallCarroña. GMaldonado.” (1♂) [CEMT]; “ECUADOR TUGURAHUA \ BAÑOS \ 26DEC1996 NVieira | *Coilodes? puncti-pennis* Arrow \ DT. Vaz-de-Mello 98” (1♂) [CEMT]; “ECUADOR: Pastaza \ Villano \ 3JUL1996 JNaranjo. | Ex; Pit fall \ bosque | *Coilodes? puncti-pennis* Arrow \ DT. Vaz-de-Mello 98” (1♀) [CERPE]; “ECUADOR: Pastaza \ Villano \ 3JUL1996 JNaranjo. | Ex; Pit fall \ bosque | *Coilodes? puncti-pennis* Arrow \ DT. Vaz-de-Mello 98” (1♀) [DZUP]; “ECUADOR: Pastaza \ Villano \ 9JUL1996 JNaranjo. | *Coilodes? puncti-pennis* Arrow \ DT. Vaz-de-Mello 98” (1♂) [CEMT]; “ECUADOR: Pastaza \ Villano \ 10JUL1996 JNaranjo. | *Coilodes? puncti-pennis* Arrow \ DT. Vaz-de-Mello 98” (1♂) [CEMT].

Coilodes ravii Basílio & Vaz-de-Mello, sp. nov.

Type material**Holotype (♂)**

“EQUADOR: Prov. Napo \ vic. Puerto Misahuali, \ 1650-1900 ft, 6-19-IX- \ 1998 J. E. Eger, coll. | 1°2'4.2”S lat, \ 77°39'49.2”W lon \ Fish carrion baited \ pitfall trap [CEMT]”.

Paratypes (2♂ and 4♀)

“EQUADOR: Prov. Napo \ vic. Puerto Misahuali, \ 1650-1900 ft, 6-19-IX- \ 1998 J. E. Eger, coll. | 1°2'4.2”S lat, \ 77°39'49.2”W lon \ Fish carrion baited \ pitfall trap . [CEMT]” (1♂ and 1♀);

“EQUADOR: Prov. Napo \ vic. Puerto Misahuali, \ 1650-1900 ft, 6-19-IX- \ 1998 J. E. Eger, coll. | 1°2'4.2”S lat, \ 77°39'49.2”W lon \ Fish carrion baited \ pitfall trap . [DZUP]” (1♂ and 1♀); “ECUADOR \ NAPO YUTARI \ MAR 1990 SSANDOVAL | Coilodes \ sp. \ DT. Vaz-de-Mello 98 [CEMT]” (1♀); “ECUADOR \ NAPO PICHIRA \ 08 MARZO 1990 \ S. SANDOVAL | TRAMPA \ CARNE BAJA | 4865 [CEMT]” (1♀).

Coilodes skelleyi Basílio & Vaz-de-Mello, sp. nov.

Type material**Holotype (♂)**

“PERU: Loreto; 80 km \ NE Iquitos, Explorama \ Lodge, Rio Ynamono \ 1 km from Amazon R. \ 1-5-IX-1992; P.E. \ Skelley, human dung [FSCA]”.

Paratypes (4♂ and 16♀)

“PERU: Loreto; 80 km \ NE Iquitos, Explorama \ Lodge, Rio Ynamono \ 1 km from Amazon R. \ 1-5-IX-1992; P.E. \ Skelley, human dung [FSCA]” (1♂ and 4♀); “PERU: Loreto; 80 km \ NE Iquitos, Explorama \ Lodge, Rio Ynamono \ 1 km from Amazon R. \ 1-5-IX-1992; P.E. \ Skelley, human dung | Coilodes \ sp. \ Det F.C. Ocampo 2005 [FSCA]” (1♀); “PERU: Loreto; 80 km \ NE Iquitos, Explorama \ Lodge, Rio Ynamono \ 1 km from Amazon R. \ 1-5-IX-1992; P.E. \ Skelley, human dung [CEMT]” (1♂ and 2♀); “PERU: Loreto; 80 km \ NE Iquitos, Explorama \ Lodge, Rio Ynamono \ 1 km from Amazon R. \ 1-5-IX-1992; P.E. \ Skelley, human dung [DZUP]” (2♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 20 \ Janela n°: 01 \ Manta 5/C \ Capoeira [CEMT]” (1♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 133 \ Janela n°: 01 \ Manta 16/C \ Floresta [DZUP]” (1♂); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 127 \ Janela n°: 01 \ Manta 15/A \ Floresta | 61 [DZUP]” (1♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 70 \ Janela n°: 01 \ Manta 08/C \ Floresta [CERPE]” (1♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 13 \ Janela n°: 01 \ Manta 03/A \ Floresta [CERPE]” (1♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°:28 \ Janela n°: 01 \ Manta 04/B \ Floresta [DZUP]” (1♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 23 \ Janela n°: 01 \ Manta 9/A \ Floresta [CEMT]” (1♀); “Benjamin Constant – AM \ Guanabara II \ Brasil. 10/III/2004 \ Silva, P. H. leg. | N°: 125 \ Janela n°: 01 \ Manta 15/C \ Floresta [DZUP]” (1♀); “BRASIL: AMAZONAS \ PICO da NEBLINA \ 0°40’N / 66°0’O \ 5 - 12 – XI – 1977 \ ROBIN, BEST [CEMT]” (1♂).