

Holarctic Lineages Cannot Inform Diversity and Evolution in the Neotropics – the barklice family Psocidae as a case study

Valentina Sarria-Rodríguez, Ranulfo Gonzalez-Obando, Nelson Rivera-Franco, Heiber Cardenas-Henao and Cristian Román-Palacios

APPENDIX S1

Text S1. Script used to retrieve geographical distribution of Psocidae from

<http://psocodea.speciesfile.org>

Table S1. Summary of the geographical distribution of 753 psocid species.

Table S2. Summary of primers used to amplify the target gene regions in our study.

Table S3. PCR conditions used to amplify each of the three gene regions used in our study.

Table S4. Molecular sampling

Figure S1. Phylogeny of the Psocidae based on combining our newly generated samples to the ones from Yoshizawa and Johnson (2008).

Other files

Supplementary File S1. Published-only dataset alignment.

Supplementary File S2. Combined dataset alignment.

Supplementary File S3. PartitionFinder results.

Supplementary File S4. Phylogeny of the Psocidae based published-only dataset, inferred under Maximum Likelihood and with gene-based partitioning.

Supplementary File S5. Phylogeny of the Psocidae based published-only dataset, inferred under Maximum Likelihood and with codon-based partitioning.

Supplementary File S6. Phylogeny of the Psocidae based combined dataset, inferred under Maximum Likelihood and with gene-based partitioning.

Supplementary File S7. Phylogeny of the Psocidae based combined dataset, inferred under Maximum Likelihood and with codon-based partitioning.

Supplementary File S8. Phylogeny of the Psocidae based published-only dataset, inferred under Bayesian Inference and with gene-based partitioning.

Supplementary File S9. Phylogeny of the Psocidae based published-only dataset, inferred under Bayesian Inference and with codon-based partitioning.

Supplementary File S10. Phylogeny of the Psocidae based combined dataset, inferred under Bayesian Inference and with gene-based partitioning.

Supplementary File S11. Phylogeny of the Psocidae based combined dataset, inferred under Bayesian Inference and with codon-based partitioning.

Supplementary File S12. Phylogeny of the Psocidae based on combining our newly generated samples to the ones from Yoshizawa and Johnson (2008).

Text S1. Script used to retrieve the geographical distribution of Psocidae from

<http://psocodea.speciesfile.org> (Johnson et al. 2020). Functions utilized are implemented the httr,

jsonlite, and pbapply R packages. By Jun 25, 2020, this script retrieved a total of 1187 results.

The cleaned up database is presented in Table S1 for 753 species. We note that the range of

TaxonNameID for the Psocidae is approximate (based on manual searches), and likely represents a random sample of diversity within the family.

```
Psocidae_ranges <- pblapply(1195488:1199369, function(x) {
  Sys.sleep(.1)
  cat("\r", x)
  url <-
    paste0("http://psocodea.speciesfile.org/Common/basic/Taxa.aspx?TaxonNameID=",
           x)
  flightdata <- GET(url)
  output <- content(flightdata, as = "text") %>% htmlParse()

  if (any(
    xpathSApply(output, "//table/..//a", xmlValue)[8] %in% c(
      "Psocidae",
      "Amphigerontiinae",
      "Psocinae",
      "Kaindipsocinae",
      "Thyrsophorinae"
    )
  )) {
    cbind.data.frame(
      Subfamily = xpathSApply(output, "//table/..//a", xmlValue)[8],
      #Subfamily
      Genus = xpathSApply(output, "//table/..//a", xmlValue)[9],
      Species = xpathSApply(output, "//table/..//h1", xmlValue)[2],
      #Species
      Distribution = xpathSApply(output, "//table/..//li", xmlValue)[1]
    ) #Distribution
  }
})
```

Table S1. Summary of the geographical distribution for 753 Psocid species. We retrieved this dataset from <http://psocodea.speciesfile.org> (Johnson et al. 2020) using the script presented in Text S1. The presence (1) or absence (0) of each species in the Neotropics or in the Tropical region is indicated below.

Subfamily	Species	Distribution	Neotropics
Amphigerontiinae	Amphigerontia birabeni Williner, 1944	Argentina	1
	Amphigerontia boliviana Navas, 1930	Bolivia	1
	Amphigerontia diffusa Navas, 1933	China	0
	Amphigerontia feai Ribaga, 1908	Burma	0
	Amphigerontia guiyangica Li, 1990	China	0
	Amphigerontia hyalina Enderlein, 1925	Chile	1
	Amphigerontia incerta Ribaga, 1908	Burma	0
	Amphigerontia infernicola (Chapman, 1930)	USA	0
	Amphigerontia intermedia (Tetens, 1891)	Germany; Czechoslovakia; Finland; France; Hungary; Italy; Netherlands; Poland; Romania; Sweden; Switzerland; USSR; :	0
	Amphigerontia jezoensis Okamoto, 1907	Japan; China; Taiwan; USSR	0
	Amphigerontia lata Enderlein, 1926	Indonesia	0
	Amphigerontia lhasana Li & Yang, 1987	China	0

Amphigerontia limpida Navas, 1920	Argentina	1
Amphigerontia longicauda Mockford & Anonby, 2007	USA	0
Amphigerontia minutissima (Enderlein, 1908)	Tanzania	0
Amphigerontia montivaga (Chapman, 1930)	USA; Guatemala; Mexico	1
Amphigerontia nadleri Mockford, 1996	Venezuela	1
Amphigerontia namiana Navas, 1920	Vietnam	0
Amphigerontia nervosa Navas, 1932	Argentina	1
Amphigerontia petiolata (Banks, 1918)	USA; Canada; Mexico	1
Amphigerontia tincta Navas, 1920	Argentina	1
Amphigerontia titschacki Navas, 1927	Costa Rica	1
Amphigerontia umbrata Navas, 1927	Columbia	1
Amphigerontia voeltzkowi Enderlein, 1908	Tanzania	0
Blaste (Blaste) angolensis Badonnel, 1955	Angola	0
Blaste (Blaste) castala Thornton & Lyall, 1978	Chile	1
Blaste (Blaste) macrura New, 1972	Brazil	1
Blaste (Blaste) quieta (Hagen, 1861)	North America; Canada; USA; Panama	1
Blaste (Blastopsis) lyriphallus New, 1973	Nigeria	0
Blaste (Blastopsis) triangularum Badonnel, 1955	Angola	0

Blaste (Euclismia) alluaudi (Badonnel, 1935)	Madagascar	0
Blaste (Euclismia) aptera Broadhead & Richards, 1980	Tanzania	0
Blaste (Euclismia) arabica New, 1979	Saudi Arabia	0
Blaste (Euclismia) balli (Badonnel, 1945)	Morocco; Algeria	0
Blaste (Euclismia) betschi Badonnel, 1976	Madagascar	0
Blaste (Euclismia) binotata (Enderlein, 1926)	Indonesia	0
Blaste (Euclismia) cinerea (Enderlein, 1903)	India	0
Blaste (Euclismia) conspurcata (Rambur, 1842)	Europe; Austria; Belgium; Czechoslovakia; Finland; France; Germany; Greece; Hungary; Israel; Italy; Luxembourg; Morocco; Norway; Poland; Romania; Spain; Sweden; Switzerland; Turkey; USSR; Yugoslavia; Mongolia; :	0
Blaste (Euclismia) cyprica Lienhard, 1995	Cyprus	0
Blaste (Euclismia) didyma Lienhard, 1986	Spain	0
Blaste (Euclismia) dundoensis Badonnel, 1955	Angola	0
Blaste (Euclismia) falsa Badonnel, 1976	Madagascar	0
Blaste (Euclismia) lusambaensis Badonnel, 1973	Angola	0
Blaste (Euclismia) membranosa Lienhard & Halperin, 1988	Israel	0
Blaste (Euclismia) monserrati Baz, 1990	South Africa	0

Blaste (Euclismia) nairobensis New, 1975	Kenya	0
Blaste (Euclismia) obtusa (Hagen, 1858)	Sri Lanka; Japan	0
Blaste (Euclismia) quadrimaculata (Latreille, 1794)	Europe; Austria; Belgium; Czechoslovakia; Finland; France; Germany; Great Britain; Hungary; Ireland; Italy; Luxembourg; Morocco; Netherlands; Poland; Portugal; Romania; Spain; Switzerland; USSR; Yugoslavia; :	0
Blaste (Euclismia) sarda Lienhard, 1986	Italy	0
Blaste (Euclismia) similis Broadhead & Richards, 1980	Tanzania; South Africa	0
Blaste (Euclismia) suffusa Broadhead & Richards, 1980	Kenya	0
Blaste (Euclismia) ukingana (Enderlein, 1902)	Tanzania	0
Blaste (Euclismiopsis) fuscoptera New, 1975	Kenya	0
Blaste (Euclismiopsis) machadoi Badonnel, 1955	Angola	0
Blaste (Euclismiopsis) medleri New, 1975	Nigeria; Burkina Faso	0
Blaste (Euclismiopsis) pauliani (Badonnel, 1943)	Cameroon	0
Blaste (Euclismiopsis) peringueyi (Enderlein, 1925)	Zimbabwe; Congo	0
Blaste (Euclismiopsis) smilivirgata Li, 1989	China	0
Blaste (Euclismiopsis) vilhenai Badonnel, 1955	Angola	0
Chaetopsocidus sturmi Badonnel, 1986	Colombia	1

	Elaphopsocus glaphyrostigma Roesler, 1940	Brazil	1
Kaindipsocinae	Blaste furcilla (New, 1974)	Australia	0
	Blaste lunulata (New, 1974)	Australia	0
	Blaste macrops (Smithers, 1984)	Australia	0
	Blaste panops (Smithers, 1979)	Australia	0
	Blaste tillyardi (Smithers, 1969)	New Zealand; Australia	0
Psocidae	Blaste alfineta New, 1972	Brazil	1
	Blaste amazonica Garcia Aldrete, 1999	Brazil	1
	Blaste angusta Smithers, 1984	Australia	0
	Blaste angustipennis Mockford, 1996	Venezuela	1
	Blaste auricularia Badonnel, 1987	Venezuela	1
	Blaste bicuspis Smithers, 1964	Madagascar	0
	Blaste bistriata Schmidt & Thornton, 1993	Australia	0
	Blaste bridarollii (Navas, 1928)	Argentina	1
	Blaste capricornuta Mockford, 1974	Cuba	1
	Blaste caudata Mockford, 1991	Brazil	1
	Blaste cockerelli (Banks, 1904)	USA	0
	Blaste cornuta Badonnel, 1987	Venezuela	1
	Blaste euryphylla Li & Yang, 1987	China	0

Blaste fasciata Mockford, 1974	Cuba	1
Blaste forcepata (New, 1972)	Brazil	1
Blaste forficula Schmidt & Thornton, 1993	Australia	0
Blaste fusimera New & Thornton, 1975	Brazil	1
Blaste garciorum Mockford, 1984	Mexico	1
Blaste hamata Mockford, 1991	Brazil	1
Blaste immobilis Mockford, 1974	Cuba	1
Blaste lignicola (Enderlein, 1906)	Australia; Norfolk Island	0
Blaste longicauda Mockford, 1974	Cuba	1
Blaste longipennis (Banks, 1918)	USA	0
Blaste longispina Mockford, 1991	Brazil	1
Blaste longivalva New, 1975	Singapore	0
Blaste magnifica Smithers, 1984	Australia	0
Blaste martini (Navas, 1922)	Chile	1
Blaste memorialis (Banks, 1920)	Colombia	1
Blaste muhni (Navas, 1928)	Argentina	1
Blaste nana New, 1975	Singapore	0
Blaste neotenica Mockford, 1996	Venezuela	1
Blaste nubeculosa (Navas, 1932)	Argentina	1

Blaste nubilistigma Mockford, 1996	Venezuela	1
Blaste obscura (New, 1972)	Brazil	1
Blaste opposita (Banks, 1907)	USA; Canada	0
Blaste oregona (Banks, 1900)	USA	0
Blaste osceola Mockford, 1984	USA	0
Blaste osella Lienhard, 1987	Algeria	0
Blaste pallida Mockford, 1996	Venezuela	1
Blaste persimilis (Banks, 1908)	USA	0
Blaste plaumanni New, 1978	Brazil	1
Blaste polioptera Smithers, 1964	Madagascar	0
Blaste posticata (Banks, 1905)	Mexico; USA	1
Blaste pseudozonata (Williner, 1945)	Argentina	1
Blaste pusilla Mockford, 1984	Mexico	1
Blaste richardsi New, 1972	Brazil	1
Blaste rotundata (Navas, 1918)	Argentina	1
Blaste serrata New, 1973	Thailand	0
Blaste simillima (Enderlein, 1925)	South Africa	0
Blaste squarrosa New & Thornton, 1975	Uruguay	1
Blaste stuckenbergi Smithers, 1964	Madagascar	0

Blaste subquieta (Chapman, 1930)	USA	0
Blaste taylori New, 1974	Australia	0
Blaste togoensis Turner & Cheke, 1983	Togo	0
Blaste vadoni Badonnel, 1967	Madagascar	0
Blastopsocidus acutus Badonnel, 1967	Madagascar	0
Blastopsocidus affinis Badonnel, 1967	Madagascar	0
Blastopsocidus areolatus Badonnel, 1967	Madagascar	0
Blastopsocidus brasiliensis (New, 1972)	Brazil	1
Blastopsocidus caudatus Badonnel, 1967	Madagascar	0
Blastopsocidus cristatus Badonnel, 1967	Madagascar	0
Blastopsocidus maculatus (Badonnel, 1955)	Angola	0
Blastopsocidus marginalis Badonnel, 1967	Madagascar	0
Blastopsocidus montanus Badonnel, 1967	Madagascar	0
Blastopsocidus pictus Broadhead & Richards, 1980	Kenya	0
Blastopsocidus strictus (Smithers, 1964)	Madagascar	0
Blastopsocidus wittmeri Badonnel, 1981	Pakistan	0
Blastopsocus angustus Smithers & Thornton, 1981	New Guinea	0
Blastopsocus goodrichi Mockford, 2002	USA	0
Blastopsocus johnstoni Mockford, 2002	USA	0

Blastopsocus lithinus (Chapman, 1930)	USA; Canada; Guatemala; Mexico	1
Blastopsocus mockfordi Badonnel, 1986	Colombia; Brazil	1
Blastopsocus semistriatus (Walsh, 1862)	USA; Mexico	1
Blastopsocus uncinatus (Thornton & Woo, 1973)	Galapagos	0
Blastopsocus variabilis (Aaron, 1883)	USA; Panama	1
Blastopsocus walshi Mockford, 2002	USA	0
Clematostigma brevistylus (Enderlein, 1903)	New Guinea; Samoa	0
Clematostigma fumatum (Enderlein, 1903)	New Guinea	0
Clematostigma hyalinum (Okamoto, 1907)	Taiwan; China; Japan	0
Clematostigma indicum (Enderlein, 1903)	India	0
Clematostigma lunulatum Schmidt & Thornton, 1993	Australia	0
Clematostigma maculiceps (Enderlein, 1903)	Australia	0
Clematostigma paraguayense Enderlein, 1910	Paraguay	1
Clematostigma striatum Schmidt & Thornton, 1993	Australia	0
Clematostigma subcostale (Okamoto, 1907)	Taiwan; China; Japan	0
Clematostigma vinctum (Enderlein, 1903)	Australia	0
Dictyopsocus pennicornis (Burmeister, 1839)	Brazil; Argentina	1
Elytropsocus coleoptratus Smithers & Thornton, 1981	New Guinea	0
Epiblaste glandacea Li, 1993	China	0

Euclismioides inocellata Smithers & Thornton, 1981	New Guinea	0
Gigantopsocus metallicus (Enderlein, 1900)	Peru	1
Indoblaste lienhardi Endang & Thornton, 1992	Indonesia	0
Indoblaste sastrawani Endang & Thornton, 1992	Indonesia	0
Kaindipsocus emarginatus Smithers, 1997	Australia	0
Kaindipsocus marksae Smithers, 1997	Australia	0
Kaindipsocus mixtus Smithers & Thornton, 1981	New Guinea	0
Lasiopsocus brevipilosus Enderlein, 1919	South Africa	0
Lasiopsocus dicellus Smithers, 1984	Australia	0
Lasiopsocus hollowayi Smithers, 1997	Australia	0
Lasiopsocus michaelsoni Enderlein, 1907	Australia	0
Lasiopsocus simulatus Smithers, 1983	Australia	0
Neoblaste alticola Thornton, 1984	Indonesia	0
Neoblaste brunnea Endang & Thornton, 1992	Indonesia	0
Neoblaste cubitalis (Enderlein, 1919)	Singapore; Indonesia	0
Neoblaste fujianensis (Li & Yang, 1987)	China	0
Neoblaste guangdongensis New, 1991	China	0
Neoblaste harpophylla Li, 1993	China	0
Neoblaste papillosa Thornton, 1960	Hong Kong; China; Korea	0

Neoblaste pinicola Li, 1990	China	0
Neoblaste setosa Thornton, 1960	Hong Kong; China	0
Neoblaste tateokana (Okamoto, 1907)	Japan	0
Neopsocopsis flavida (Li, 1989)	China	0
Neopsocopsis hirticornis (Reuter, 1893)	Finland; France; Germany; Hungary; Italy; Romania; Spain; Switzerland; USSR; Yugoslavia; Mongolia	0
Neopsocopsis longiptera Vishnyakova, 1986	USSR	0
Neopsocopsis pentasticha (Lienhard, 2003)	China	0
Neopsocopsis profunda (Li, 1995)	China	0
Neopsocopsis quinquentata (Li & Yang, 1988)	China	0
Poecilopsocus anticus (Walker, 1853)	Brazil	1
Poecilopsocus beaveri (New, 1972)	Brazil	1
Poecilopsocus bishopi (New, 1972)	Brazil	1
Poecilopsocus calocoroides (Enderlein, 1900)	Peru	1
Poecilopsocus cinctus (Enderlein, 1903)	Brazil	1
Poecilopsocus iridescens (Enderlein, 1901)	Ecuador; Peru	1
Poecilopsocus leucotelus (Walker, 1853)	Brazil	1
Poecilopsocus pulcher (Enderlein, 1906)	Central America	1
Poecilopsocus richardsi (New, 1972)	Brazil	1

Tanystigma bifurcatum Smithers, 1984	Australia	0
Tanystigma dubium (New, 1974)	Australia	0
Tanystigma edwardsi (New, 1974)	Australia	0
Tanystigma elongatum Smithers, 1984	Australia	0
Tanystigma inglewoodense (New, 1974)	Australia	0
Tanystigma latimentulum (Smithers, 1977)	Australia	0
Tanystigma longitibia Smithers, 1998	Australia	0
Tanystigma notiale (Smithers, 1972)	Australia	0
Tanystigma paulum (Smithers, 1977)	Australia	0
Tanystigma striatifrons (McLachlan, 1866)	Australia	0
Tanystigma tardipes (Edwards, 1950)	Australia	0
Tanystigma valvula Schmidt & Thornton, 1993	Australia	0
Thyrsochorus formosus Navas, 1934	Brazil	1
Thyrsochorus speciosus Burmeister, 1839	Brazil; Panama; French Guiana; Suriname	1
Thyrsochorus trabeatus (Enderlein, 1925)	Colombia	1
Thyrsochorus aequatorialis Enderlein, 1901	Ecuador; Brazil	1
Thyrsochorus angularis Mockford, 1992	Panama	1
Thyrsochorus bellulus Banks, 1930	Honduras	1

Thyrsoopsocus bellus (McLachlan, 1866)	Brazil; Bolivia	1
Thyrsoopsocus bolivari Badonnel, 1987	Venezuela	1
Thyrsoopsocus brasiliensis New, 1980	Brazil	1
Thyrsoopsocus elegans (Enderlein, 1925)	Brazil	1
Thyrsoopsocus fairchildi Mockford, 1992	Panama	1
Thyrsoopsocus newi Mockford, 1992	Panama	1
Thyrsoopsocus peruanus Enderlein, 1900	Peru	1
Thyrsoopsocus pretiosus Banks, 1930	Panama	1
Thyrsoopsocus psocoides Enderlein, 1900	Peru; Mexico	1
Thyrsoopsocus stigmaticus Banks, 1924	Peru	1
Arabopsocus spiniproctus Lienhard, 2008	Uae	0
Atlantopsocus adustus (Hagen, 1865)	Madeira; Azores; Canary Islands	0
Atlantopsocus parvidens Baz, 1988	Spain	0
Atlantopsocus personatus (Hagen, 1865)	Madeira; France; Greece; Ireland; Italy; Morocco; Spain; Canary Islands	0
Atlantopsocus semicircularis Baz, 1989	Morocco	0
Atlantopsocus triangularis Meinander, 1973	Canary Islands	0
Atrichadenotecnum nudum (Thornton, 1961)	Hong Kong; China	0
Atrichadenotecnum quadripunctatum Yoshizawa, 1998	Japan	0

Atrichadenotecnum ryukyuense Yoshizawa, 1998	Japan	0
Atrichadenotecnum umbratum (New & Thornton, 1976)	Malaysia	0
Atropsocus atratus (Aaron, 1883)	USA	0
Barrowia insularis Smithers, 1984	Australia	0
Brachinodiscus cinctipes (Enderlein, 1900)	Peru; Bolivia; Brazil	1
Camelopsocus bactrianus Mockford, 1984	USA	0
Camelopsocus hiemalis Mockford, 1984	USA	0
Camelopsocus monticolus Mockford, 1965	Mexico	1
Camelopsocus similis Mockford, 1965	Mexico	1
Camelopsocus tucsonensis Mockford, 1984	USA	0
Cerastipsocus aldretei Badonnel, 1986	Mexico	1
Cerastipsocus beaveri New, 1972	Brazil	1
Cerastipsocus bogotanus (Kolbe, 1883)	Colombia	1
Cerastipsocus brasilianus (Enderlein, 1903)	Brazil	1
Cerastipsocus claripennis Mockford, 1996	Venezuela	1
Cerastipsocus coloratus (Kolbe, 1883)	Colombia	1
Cerastipsocus consocius (Navas, 1934)	Brazil	1
Cerastipsocus cornutus Mockford, 1996	Venezuela	1
Cerastipsocus cubanus Enderlein, 1919	Cuba	1

Cerastipsocus dubius Badonnel, 1969	Angola	0
Cerastipsocus fuscipennis (Burmeister, 1839)	Brazil; Argentina	1
Cerastipsocus iguazuensis (Williner, 1945)	Argentina	1
Cerastipsocus infectus (McLachlan, 1866)	Colombia	1
Cerastipsocus kolbei New, 1972	Brazil	1
Cerastipsocus macrostigmatus Li & Yang, 1987	China	0
Cerastipsocus moestus (Kolbe, 1883)	Colombia	1
Cerastipsocus ochraceocristatus (Enderlein, 1900)	Peru	1
Cerastipsocus reductus (Banks, 1920)	Mexico	1
Cerastipsocus rufus (Navas, 1912)	Peru	1
Cerastipsocus rugosus New & Thornton, 1975	Brazil	1
Cerastipsocus sivorii (Ribaga, 1908)	Uruguay	1
Cerastipsocus tostus (Navas, 1924)	Costa Rica	1
Cerastipsocus trifasciatus (Provancher, 1876)	Canada; USA; Costa Rica; Guatemala; Mexico; Nicaragua; Panama; Colombia; Venezuela; :	1
Cerastipsocus venosus (Burmeister, 1839)	USA; Canada; Cuba; Mexico; :	1
Cerastipsocus vetustus (Kolbe, 1883)	Colombia	1
Cerastipsocus willineri New & Thornton, 1975	Brazil	1
Cervopsocus medialis New, 1978	Brazil	1

Clematoscenea apta Smithers & Thornton, 1981	New Guinea	0
Clematoscenea biloba Smithers & Thornton, 1981	New Guinea	0
Clematoscenea biroi (Enderlein, 1903)	New Guinea	0
Clematoscenea goilala Smithers & Thornton, 1981	New Guinea	0
Clematoscenea gressitti Smithers & Thornton, 1981	New Guinea	0
Clematoscenea josephinae New, 1983	Nepal	0
Clematoscenea lemniscata (Enderlein, 1903)	Indonesia; Malaysia	0
Clematoscenea longitarsus Smithers & Thornton, 1981	New Guinea	0
Clematoscenea macalpinei Smithers & Thornton, 1981	Bismarck Archipelago; Solomon Islands	0
Clematoscenea mosomensis Smithers & Thornton, 1981	New Guinea	0
Clematoscenea pulchra Smithers & Thornton, 1981	New Guinea	0
Copostigma bilineatum (Smithers & Thornton, 1981)	New Guinea	0
Copostigma collinum (Thornton, 1981)	Fiji	0
Copostigma dispersum (Thornton, 1981)	Fiji; Melanesia	0
Copostigma dorsopunctatum Enderlein, 1903	New Guinea	0
Copostigma gracilisura Smithers & Thornton, 1990	New Hebrides	0
Copostigma gressitti Smithers & Thornton, 1990	New Hebrides	0
Copostigma insularum (Thornton, 1981)	Tonga; Melanesia	0

Copostigma majus (Smithers & Thornton, 1981)	New Guinea	0
Copostigma marosticum (Thornton, 1981)	Fiji	0
Copostigma montanum (Smithers & Thornton, 1981)	New Guinea	0
Copostigma ouvea Smithers & Thornton, 1990	New Caledonia	0
Copostigma sitivanum (Thornton, 1981)	Fiji	0
Copostigma trimaculatum (Hagen, 1858)	Sri Lanka; Malaysia	0
Copostigma vitiense (Karny, 1926)	Fiji; Melanesia; Polynesia	0
Cycetes collessi Smithers, 1977	Australia	0
Cycetes thyrsochoroides Enderlein, 1907	Indonesia	0
Dactylopsocus fumigatus (Kolbe, 1883)	Brazil	1
Dactylopsocus similis Mockford, 1991	Brazil	1
Diplacanthoda bouvieri Enderlein, 1909	Madagascar	0
Eremopsocus crassicornis (Kolbe, 1883)	Brazil	1
Eremopsocus flagellicornis (Kolbe, 1883)	Colombia	1
Eremopsocus flavatus (Navas, 1925)	Costa Rica	1
Eremopsocus infumatus McLachlan, 1866	Brazil	1
Eremopsocus mockfordi Badonnel, 1986	Mexico	1
Eremopsocus nigripes Mockford, 1975	Brazil	1
Ghesquierella cantralli Mockford, 1957	Guatemala; Mexico; Panama	1

Ghesquierella ealensis Badonnel, 1949	Congo	0
Ghesquierella sjoestedti (Enderlein, 1907)	Tanzania	0
Hyalopsocus contrarius (Reuter, 1893)	Finland; Belgium; Czechoslovakia; Germany; Hungary; Poland; Romania; Spain; USSR; Mongolia; :	0
Hyalopsocus floridanus (Banks, 1905)	USA; Canada	0
Hyalopsocus gardinii (Lienhard, 1983)	Italy	0
Hyalopsocus morio (Latreille, 1794)	Europe: Belgium; France; Germany; Great Britain; Greece; Luxembourg; Italy; Netherlands; Poland; Romania; Spain; Switzerland. USSR.	0
Hyalopsocus striatus (Walker, 1853)	USA; Canada	0
Indiopsocus abouchaari (Badonnel, 1986)	Colombia	1
Indiopsocus alticola Mockford, 1974	Cuba	1
Indiopsocus palisadensis Turner, 1975	Jamaica	0
Indiopsocus pallidus Mockford, 1974	Cuba	1
Indiopsocus paranensis (New & Thornton, 1975)	Brazil	1
Indiopsocus pulcher Turner, 1975	Jamaica	0
Indiopsocus rosalesi Mockford, 1996	Venezuela	1
Indiopsocus sinuatistigma (New, 1972)	Brazil	1
Kimunpsocus chubsugulensis (Günther, 1982)	Mongolia	0

Loensia bicolor (Enderlein, 1900)	Peru	1
Loensia bifurcata (Li, 1992)	China	0
Loensia conspersa (Banks, 1903)	USA	0
Loensia excrescens Li, 1997	China	0
Loensia falcata Li, 1997	China	0
Loensia fasciata (Fabricius, 1787)	Europe; Austria; Belgium; Czechoslovakia; Denmark; Finland; France; Germany; Great Britain; Greece; Hungary; Ireland; Italy; Luxembourg; Morocco; Netherlands; Norway; Poland; Romania; Spain; Switzerland; USSR; Yugoslavia; USA; Korea; :	0
Loensia fuscimacula Enderlein, 1926	Indonesia	0
Loensia glabridorsum Enderlein, 1926	Indonesia	0
Loensia infundibularis (Li, 1989)	China	0
Loensia maculosa (Banks, 1908)	USA	0
Loensia moesta (Hagen, 1861)	USA; Canada	0
Loensia pearmani Kimmins, 1941	Austria; Bulgaria; Czechoslovakia; Finland; France; Germany; Great Britain; Greece; Hungary; Luxembourg; Netherlands; Norway; Poland; Romania; Spain; Switzerland; USSR; Yugoslavia; :	0

Loensia spicata Li, 1995	China	0
Loensia spissa Li, 1995	China	0
Loensia stigmatoidea (Li, 1993)	China	0
Loensia taeniana (Li & Yang, 1987)	China	0
Loensia teretiuscula (Li & Yang, 1987)	China	0
Loensia variegata (Latreille, 1799)	Europe; Austria; Belgium; Cyprus; Czechoslovakia; Denmark; Finland; France; Germany; Great Britain; Greece; Hungary; Ireland; Israel; Italy; Luxembourg; Netherlands; Norway; Poland; Portugal; Romania; Spain; Sweden; Switzerland; USSR; Yugoslavia; Canary Islands; :	0
Longivalvus dictyodromus Li, 1993	China	0
Longivalvus radiatus Li, 1993	China	0
Mecampsis cinctifemur Enderlein, 1925	Chile	1
Mecampsis insolita (Banks, 1938)	Haiti	0
Mecampsis laconia (Banks, 1941)	Santo Domingo	1
Mecampsis pindapoiensis (Williner, 1943)	Argentina	1
Metylophorus barretti (Banks, 1900)	Mexico	1
Metylophorus bicornutus Li & Yang, 1987	China	0
Metylophorus bishopi New, 1972	Brazil	1

Metylophorus brevantenninus Li & Yang, 1987	China	0
Metylophorus cabanae (Williner, 1944)	Argentina	1
Metylophorus calcaratus Mockford, 1991	Brazil	1
Metylophorus camptodontus Li & Yang, 1992	China	0
Metylophorus contaminatus Li & Yang, 1987	China	0
Metylophorus ctenatus New, 1972	Brazil	1
Metylophorus cuneatus (Navas, 1932)	Argentina	1
Metylophorus denticulatus (Enderlein, 1910)	Paraguay	1
Metylophorus diplodurus Li, 1992	China	0
Metylophorus fasciatus New, 1980	Brazil	1
Metylophorus fuscatus New, 1978	Bhutan	0
Metylophorus hemiphaeopterus (Enderlein, 1900)	Peru; Panama; Bolivia	1
Metylophorus hispidus Mockford, 1991	Brazil	1
Metylophorus lisae Thornton, 1984	Indonesia	0
Metylophorus maculosus Mockford, 1996	Venezuela	1
Metylophorus marmoreus Li & Yang, 1988	China	0
Metylophorus megistus Li, 1997	China	0
Metylophorus mendax Badonnel, 1955	Angola	0
Metylophorus nebulifer (Navas, 1932)	Argentina	1

Metylophorus novaescotiae (Walker, 1853)	Canada; USA; Mexico	1
Metylophorus paranebulosus New, 1978	Bhutan; India	0
Metylophorus plebius Li, 1989	China	0
Metylophorus purus (Walsh, 1862)	USA; Canada	0
Metylophorus rotundatus Li, 1992	China	0
Metylophorus symmetricus Mockford, 1991	Brazil	1
Metylophorus theresopolitanus (Enderlein, 1910)	Brazil	1
Metylophorus tricornis Li, 1993	China	0
Metylophorus trivalvis Li, 1992	China	0
Metylophorus wui Li, 1995	China	0
Metylophorus wuyinicus Li & Yang, 1987	China	0
Metylophorus xizangensis Li & Yang, 1987	China	0
Neopsocus rhenanus Kolbe, 1882	Germany; Austria; Bulgaria; France; Greece; Italy; Romania; Spain; Turkey; USSR; Yugoslavia	0
Neopsocus tunesicus (Enderlein, 1923)	Tunisia; Italy; Spain	0
Ophthalmopsocus forficularis (Roesler, 1943)	Bolivia	1
Ophthalmopsocus ocularis (Kolbe, 1883)	Brazil	1
Ophthalmopsocus pallidus (New, 1972)	Brazil	1
Oreopsocus buholzeri Lienhard, 1986	Egypt	0

Oreopsocus montanus (Kolbe, 1884)	Austria; Bulgaria; Cyprus; Czechoslovakia; France; Germany; Greece; Italy; Poland; Romania; Spain; Switzerland; Yugoslavia	0
Pearmania collarti Badonnel, 1946	Congo	0
Pearmania crenulata New, 1973	Nigeria; Togo	0
Pearmania fucata (Pearman, 1934)	South Africa	0
Pearmania incuria (Navas, 1936)	Kenya	0
Pearmania lapidicola Badonnel, 1969	Angola	0
Pearmania nebulosa Badonnel, 1955	Angola	0
Pearmania rutshuruana Badonnel, 1946	Congo	0
Pearmania tangana Smithers, 1999	Tanzania	0
Pearmania usambarana (Enderlein, 1907)	Tanzania; South Africa; Mozambique; Uganda; Zimbabwe	0
Pearmania wittei Badonnel, 1959	Congo	0
Pilipsocus angolensis Badonnel, 1955	Angola	0
Pilipsocus areolatus Badonnel, 1969	Angola	0
Pilipsocus congolensis Badonnel, 1948	Congo; Nigeria	0
Pilipsocus ghesquierei Badonnel, 1949	Congo; Angola	0
Pilipsocus intricatus (Enderlein, 1907)	Tanzania; Kenya; Angola; Equatorial Guinea; Nigeria	0

Pilipsocus lepesmei Badonnel, 1943	Cameroon; Guinea; Nigeria	0
Pilipsocus machadoi Badonnel, 1955	Angola	0
Pilipsocus vilhenai Badonnel, 1955	Angola	0
Propsococerastis jiangkouensis Li & Yang, 1988	China	0
Pseudoclematus xanthoznatus Li, 1992	China	0
Psocidus albimaculatus Li, 1990	China	0
Psocidus albovarius (Banks, 1920)	Malaysia	0
Psocidus aldai (Navas, 1926)	Argentina	1
Psocidus annulipes (Reuter, 1899)	Finland	0
Psocidus arenosus (Navas, 1922)	Vietnam	0
Psocidus bicurris Li, 1990	China	0
Psocidus biguttatus Badonnel, 1948	Congo	0
Psocidus borneensis (Banks, 1920)	Malaysia	0
Psocidus burmeisteri (Navas, 1917)	Argentina	1
Psocidus conio stigma (Navas, 1932)	Argentina	1
Psocidus consitus (Hagen, 1858)	Sri Lanka	0
Psocidus cuencanus (Enderlein, 1923)	Ecuador	1
Psocidus dilutus (Navas, 1931)	Argentina	1
Psocidus ditatus (Navas, 1924)	Costa Rica	1

Psocidus divisus (Navas, 1922)	Vietnam	0
Psocidus femoratus (McLachlan, 1866)	China	0
Psocidus funerulus (Costa, 1885)	Italy	0
Psocidus fuscatus (Navas, 1916)	Brazil	1
Psocidus ghesquierei Badonnel, 1946	Congo	0
Psocidus gloriosus (Banks, 1920)	Malaysia	0
Psocidus gomezi (Navas, 1928)	Argentina	1
Psocidus grisescens (McLachlan, 1866)	South Africa	0
Psocidus guttulatus Pearman, 1934	Angola; Kenya; Nigeria; South Africa	0
Psocidus hirsutus New, 1975	Singapore	0
Psocidus irroratus (Enderlein, 1907)	Australia	0
Psocidus jacobsoni (Enderlein, 1907)	Indonesia	0
Psocidus japonicus (Kolbe, 1882)	Japan	0
Psocidus javanicus (Enderlein, 1907)	Indonesia	0
Psocidus komiensis (Navas, 1932)	Congo	0
Psocidus kotzbaueri (Navas, 1925)	Brazil	1
Psocidus lacroixi (Navas, 1920)	Vietnam	0
Psocidus lestagei (Navas, 1922)	Vietnam	0

Psocidus lobatus Endang & Thornton, 1992	Indonesia	0
Psocidus longicaudis Badonnel, 1946	Congo	0
Psocidus masinus (Navas, 1923)	Philippines	0
Psocidus mouldsi Smithers, 1984	Australia	0
Psocidus nexus (Navas, 1922)	Argentina	1
Psocidus nigeriensis (Newstead, 1921)	Nigeria	0
Psocidus nubilus (Navas, 1934)	India	0
Psocidus oblitus (Hagen, 1858)	Sri Lanka	0
Psocidus oxyurus Badonnel, 1955	Angola	0
Psocidus parilla Smithers, 1984	Australia	0
Psocidus parishii (Banks, 1920)	Peru	1
Psocidus pellucidus (Okamoto, 1907)	Japan	0
Psocidus peregrans Cole, New & Thornton, 1989	Indonesia	0
Psocidus proctus Cole, New & Thornton, 1989	Indonesia	0
Psocidus proi (Navas, 1928)	Argentina; Brazil	1
Psocidus punctaticeps (Enderlein, 1910)	Brazil	1
Psocidus quadrisignatus (Banks, 1920)	Brazil	1
Psocidus reidi Thornton, 1984	Indonesia	0
Psocidus relativus (Banks, 1920)	Singapore	0

Psocidus salai (Navas, 1934)	India	0
Psocidus sauteri (Enderlein, 1908)	Taiwan; China	0
Psocidus schmidtii (Navas, 1927)	Costa Rica	1
Psocidus segmentatus Endang & Thornton, 1992	Indonesia	0
Psocidus signifer (Navas, 1934)	India	0
Psocidus similis (Banks, 1920)	Singapore	0
Psocidus simplex (Enderlein, 1903)	Brazil	1
Psocidus tacaoensis (Enderlein, 1908)	Taiwan; China	0
Psocidus tergatus Endang & Thornton, 1992	Indonesia	0
Psocidus ternatus Li, 1992	China	0
Psocidus venustus (Navas, 1932)	Argentina	1
Psocidus viscayanus (Banks, 1920)	Philippines	0
Psocidus vitalisi (Navas, 1922)	Vietnam	0
Psocidus zikani (Navas, 1934)	Brazil	1
Psococerastis albimaculata Li & Yang, 1988	China	0
Psococerastis amazonica New, 1980	Brazil	1
Psococerastis ampullaris Li, 1992	China	0
Psococerastis annae Thornton, 1984	Indonesia	0
Psococerastis asiatica Datta, 1966	India	0

Psococerastis assamensis Datta, 1966	India	0
Psococerastis baishanzuica Li, 1995	China	0
Psococerastis bakeri (Banks, 1913)	Philippines	0
Psococerastis bengalensis (Kolbe, 1883)	India; Malaysia; Nepal	0
Psococerastis bomiensis Li & Yang, 1987	China	0
Psococerastis brachypoda Li, 1990	China	0
Psococerastis callangana (Enderlein, 1900)	Peru; Panama; Brazil	1
Psococerastis capitata (Okamoto, 1907)	Taiwan; China	0
Psococerastis capitulatis Li, 1995	China	0
Psococerastis chebalingensis Li, 1993	China	0
Psococerastis collessi Smithers & Thornton, 1981	New Guinea	0
Psococerastis cosmoptera (McLachlan, 1866)	Malaysia; Burma; India; Indonesia; Singapore; Thailand; Vietnam	0
Psococerastis curvivalvae Li, 1990	China	0
Psococerastis cuspidata Li, 1992	China	0
Psococerastis dicoccis Li, 1995	China	0
Psococerastis discalis (Navas, 1920)	Vietnam	0
Psococerastis fasciata Mockford, 1981	Brazil; Mexico; Panama	1
Psococerastis ficivorella (Okamoto, 1907)	Taiwan; China	0

Psococerastis flavistigma (Kolbe, 1885)	Indonesia	0
Psococerastis fortunae Mockford, 1981	Panama	1
Psococerastis ghesquierei Badonnel, 1949	Congo; Angola	0
Psococerastis golfita Mockford, 1981	Costa Rica	1
Psococerastis guizhouensis Li & Yang, 1988	China	0
Psococerastis hageni New, 1972	Brazil	1
Psococerastis hunanensis Li, 1992	China	0
Psococerastis joannisi (Navas, 1934)	Vietnam	0
Psococerastis lassbergi (Williner, 1945)	Argentina	1
Psococerastis linearis Li, 1990	China	0
Psococerastis lombokensis (Navas, 1927)	Indonesia	0
Psococerastis luzonensis (Banks, 1916)	Philippines	0
Psococerastis mali (Okamoto, 1907)	Japan; Russia	0
Psococerastis malleata Li & Yang, 1987	China	0
Psococerastis martensi New, 1987	Nepal	0
Psococerastis moganshanensis Li, 1992	China	0
Psococerastis murudensis (Karny, 1925)	Malaysia	0
Psococerastis nepalensis New, 1971	Nepal	0
Psococerastis nigriventris Li, 1997	China	0

Psococerastis nilae Datta, 1966	India	0
Psococerastis nirvana (Banks, 1914)	India; Nepal	0
Psococerastis opulenta (Navas, 1930)	Costa Rica; Mexico; Nicaragua; Panama; Trinidad; Brazil; Colombia; French Guiana; Suriname; Venezuela	1
Psococerastis orientalis (Navas, 1931)	China	0
Psococerastis paraguayana (Ribaga, 1908)	Paraguay	1
Psococerastis parallelica Li, 1992	China	0
Psococerastis parasinensis New, 1975	Singapore	0
Psococerastis pelesi Badonnel, 1973	Angola	0
Psococerastis pellucidatis Li & Yang, 1987	China	0
Psococerastis pictiventris (Kolbe, 1883)	Brazil	1
Psococerastis pingtangensis Li, 1990	China	0
Psococerastis platyrhaphis Li, 1990	China	0
Psococerastis polygonalis Li & Yang, 1987	China	0
Psococerastis polystictis Li & Yang, 1987	China	0
Psococerastis pyralina (Kolbe, 1883)	Brazil	1
Psococerastis pyralinella Mockford, 1981	Colombia	1
Psococerastis pyriformis Li, 1995	China	0
Psococerastis quadrisecta Li, 1993	China	0

Psococerastis quinidentata Li, 1999	China	0
Psococerastis rhondae New, 1978	Bhutan	0
Psococerastis ryukyuensis Tsutsumi, 1964	Japan	0
Psococerastis sangzhiensis Li, 1992	China	0
Psococerastis scissilis Li, 1992	China	0
Psococerastis sinensis Thornton, 1960	Hong Kong; China; India	0
Psococerastis stictica (Banks, 1920)	Brazil	1
Psococerastis stipularis Li, 1997	China	0
Psococerastis stulticaulis Li, 1989	China	0
Psococerastis taprobanes (Hagen, 1858)	Sri Lanka; Bhutan; China; India; Indonesia; Malaysia; Tibet; Vietnam	0
Psococerastis thomasseti Pearman, 1934	South Africa; Congo; Kenya	0
Psococerastis tibetensis Li & Yang, 1987	China	0
Psococerastis tokyoensis (Enderlein, 1906)	Japan; China; Taiwan	0
Psococerastis trichotoma Li & Yang, 1987	China	0
Psococerastis trilobata Li & Yang, 1987	China	0
Psococerastis venigra Li & Yang, 1992	China	0
Psococerastis venimaculis Li & Yang, 1987	China	0
Psococerastis yuwan Tsutsumi, 1964	Japan	0

<i>Psococerastis zambeziana</i> (Badonnel, 1932)	Mozambique; Angola; Tanzania	0
<i>Psococerastis zayuensis</i> Li & Yang, 1987	China	0
<i>Psococerastis zhaoi</i> Li, 1999	China	0
<i>Psocomesites continuatus</i> (Roesler, 1943)	Brazil	1
<i>Psocomesites multidontatus</i> Li, 1995	China	0
<i>Psocomesites spinosus</i> (New & Thornton, 1975)	Ecuador	1
<i>Psocus alticolus</i> Banks, 1937	Philippines	0
<i>Psocus bipunctatus</i> (Linnaeus, 1761)	Europe; Albania; Austria; Belgium; Czechoslovakia; Denmark; Finland; France; Germany; Great Britain; Greece; Hungary; Italy; Luxembourg; Netherlands; Norway; Poland; Romania; Spain; Sweden; Switzerland; USSR; Yugoslavia; Korea; Mongolia; :	0
<i>Psocus crosbyi</i> Chapman, 1930	USA	0
<i>Psocus cyllarus</i> Banks, 1941	Santo Domingo	1
<i>Psocus dolorosus</i> Banks, 1937	Philippines	0
<i>Psocus illotus</i> Banks, 1939	Philippines	0
<i>Psocus incomptus</i> Banks, 1937	Philippines	0
<i>Psocus jeanneli</i> Badonnel, 1945	Morocco	0
<i>Psocus lapidarius</i> Badonnel, 1936	Algeria	0

Psocus leidyi Aaron, 1886	USA; Canada; Mexico; :	1
Psocus omissus Banks, 1939	Philippines	0
Psocus oneitus Banks, 1941	Santo Domingo	1
Psocus rizali Banks, 1939	Philippines	0
Psocus socialis Li, 1997	China	0
Psocus vannivalvulus Li, 1995	China	0
Ptycta aaroni Thornton, 1984	Hawaii	0
Ptycta anacantha Badonnel, 1967	Madagascar	0
Ptycta angulata Thornton, Lee & Chui, 1972	Micronesia	0
Ptycta angustifrons (Enderlein, 1931)	Seychelles	0
Ptycta apicalis Broadhead & Richards, 1980	Kenya	0
Ptycta apicantha Thornton, 1984	Hawaii	0
Ptycta apicanthoides Thornton, 1984	Hawaii	0
Ptycta arandae Baz, 1990	South Africa	0
Ptycta aschekei Turner, 1976	Reunion	0
Ptycta australis Schmidt & Thornton, 1993	Australia	0
Ptycta badonneli (Roesler, 1943)	Mozambique	0
Ptycta bebea Thornton, 1981	Fiji; Tonga	0
Ptycta biloba Smithers, 1999	Tanzania	0

Ptycta blanci Badonnel, 1976	Madagascar	0
Ptycta breuschi Smithers & Thornton, 1990	Melanesian Arcs Islands	0
Ptycta buettikeri Badonnel, 1982	Saudi Arabia; Yemen	0
Ptycta bulbosa Badonnel, 1969	Angola	0
Ptycta caboverdensis Meinander, 1966	Cape Verde Islands	0
Ptycta campbelli Schmidt & Thornton, 1993	Australia	0
Ptycta chekei Turner, 1976	Reunion	0
Ptycta cogani New, 1977	Aldabra Islands	0
Ptycta cruciata Badonnel, 1979	Ivory Coast	0
Ptycta curviclava Broadhead & Richards, 1980	Kenya	0
Ptycta deltoides Li, 1992	China	0
Ptycta descarpentriesi Badonnel, 1976	Madagascar	0
Ptycta diacantha Thornton, 1984	Hawaii	0
Ptycta diadela Thornton, 1984	Hawaii	0
Ptycta diastema Thornton, 1984	Hawaii	0
Ptycta dichotoma Broadhead & Richards, 1980	Tanzania	0
Ptycta dicrosa Thornton, 1984	Hawaii	0
Ptycta disclera Thornton, 1984	Hawaii	0
Ptycta distinguenda (Perkins, 1899)	Hawaii	0

Ptycta drepana Thornton, 1984	Hawaii	0
Ptycta elegantula Li, 1999	China	0
Ptycta elena New & Thornton, 1975	Ecuador	1
Ptycta emarginata New, 1974	Australia	0
Ptycta enderleini (Roesler, 1943)	Australia	0
Ptycta episcia Thornton, 1984	Hawaii	0
Ptycta flavipalpi Li & Yang, 1987	China	0
Ptycta frayorgensis New & Thornton, 1981	Chile	1
Ptycta frogneri Thornton, 1984	Hawaii	0
Ptycta frontalis Thornton, 1984	Indonesia	0
Ptycta furcata Li, 1993	China	0
Ptycta giffardi Thornton, 1984	Hawaii	0
Ptycta glossoptera New, 1974	Australia	0
Ptycta grucheti Turner, 1976	Reunion	0
Ptycta gynegonia Thornton, 1984	Hawaii	0
Ptycta haleakalae (Perkins, 1899)	Hawaii	0
Ptycta hardyi Thornton, 1984	Hawaii	0
Ptycta hawaiiensis Thornton, 1984	Hawaii	0
Ptycta heterogamias (Perkins, 1899)	Hawaii	0

Ptycta hollowayae Smithers, 1984	Australia	0
Ptycta iaoensis Thornton, 1984	Hawaii	0
Ptycta improcera New, 1974	Australia	0
Ptycta incurvata Thornton, 1960	Hong Kong; China; Indonesia	0
Ptycta isabelae Smithers & Thornton, 1990	Solomon Islands	0
Ptycta kaala Thornton, 1984	Hawaii	0
Ptycta kauaiensis (Perkins, 1899)	Hawaii	0
Ptycta kenyensis New, 1975	Kenya	0
Ptycta kiboschoensis (Enderlein, 1907)	Tanzania	0
Ptycta Krakatau Cole, New & Thornton, 1989	Indonesia	0
Ptycta laevidorsum (Enderlein, 1931)	Seychelles	0
Ptycta lanaiensis (Perkins, 1899)	Hawaii	0
Ptycta lemniscata (Smithers, 1964)	Madagascar	0
Ptycta leucothorax Thornton, 1984	Hawaii	0
Ptycta lineata Mockford, 1974	Cuba; USA; Jamaica; Mexico	1
Ptycta lobata (Badonnel, 1955)	Angola	0
Ptycta lobophora Thornton, 1984	Hawaii	0
Ptycta longicaulis Li, 1992	China	0
Ptycta longipennis Smithers, 1984	Australia	0

Ptycta longispinosa (Smithers, 1964)	Madagascar	0
Ptycta lunulata New, 1972	Brazil	1
Ptycta maculifrons Thornton, 1984	Hawaii	0
Ptycta maculosa Badonnel, 1967	Madagascar	0
Ptycta marta Thornton & Woo, 1973	Galapagos	0
Ptycta microctena Thornton, 1984	Hawaii	0
Ptycta microglena Thornton, 1984	Hawaii	0
Ptycta micromaculata Thornton, Lee & Chui, 1972	Japan	0
Ptycta molokaiensis (Perkins, 1899)	Hawaii	0
Ptycta monticola (Perkins, 1899)	Hawaii	0
Ptycta muogamarra Smithers, 1977	Australia	0
Ptycta nadleri Galil, 1981	Israel	0
Ptycta oahuensis (Perkins, 1899)	Hawaii	0
Ptycta obscura Broadhead & Richards, 1980	Kenya	0
Ptycta oceanica New, 1977	Aldabra Islands	0
Ptycta oligocantha Thornton, 1984	Hawaii	0
Ptycta palikea Thornton, 1984	Hawaii	0
Ptycta pallida Badonnel, 1967	Madagascar	0
Ptycta paralobata New, 1975	Kenya	0

Ptycta pardena Thornton, 1984	Hawaii	0
Ptycta parvidentata Tsutsumi, 1964	Japan	0
Ptycta pauliani Badonnel, 1967	Madagascar	0
Ptycta pearmani New, 1972	Brazil	1
Ptycta pedina Thornton, 1984	Hawaii	0
Ptycta peleae Thornton, 1984	Hawaii	0
Ptycta perkinsi Thornton, 1984	Hawaii	0
Ptycta persimilis Thornton, 1984	Hawaii	0
Ptycta picta New, 1974	Australia	0
Ptycta pikeloi Thornton, 1984	Hawaii	0
Ptycta placophora Thornton, 1984	Hawaii	0
Ptycta polluta (Walsh, 1862)	USA; Canada; Mexico	1
Ptycta polyacantha Badonnel, 1967	Madagascar	0
Ptycta precincta Thornton, 1984	Indonesia	0
Ptycta prosta Schmidt & Thornton, 1993	Australia	0
Ptycta pulchra Turner, 1976	Mauritius	0
Ptycta pupukea Thornton, 1984	Hawaii	0
Ptycta quadrimaculata (Smithers, 1964)	Madagascar	0
Ptycta reticulata New, 1972	Brazil	1

Ptycta rhina Thornton, 1984	Hawaii	0
Ptycta sardjani Endang & Thornton, 1992	Indonesia	0
Ptycta schillei (Enderlein, 1906)	Indonesia	0
Ptycta schisma Thornton, 1984	Hawaii	0
Ptycta schneideri Badonnel, 1981	India	0
Ptycta seyrigi (Badonnel, 1935)	Madagascar	0
Ptycta simulator (Perkins, 1899)	Hawaii	0
Ptycta stena Thornton, 1984	Hawaii	0
Ptycta stenomedia Thornton, 1984	Hawaii	0
Ptycta striatoptera New, 1975	Kenya	0
Ptycta swezeyi Thornton, 1984	Hawaii	0
Ptycta sylvestris (Perkins, 1899)	Hawaii	0
Ptycta tachardiae Badonnel, 1967	Madagascar	0
Ptycta telma Thornton, 1984	Hawaii	0
Ptycta tikala (Mockford, 1957)	Guatemala; Mexico; Panama	1
Ptycta trullifera Smithers, 1998	Australia	0
Ptycta tsutsumii New & Thornton, 1976	Malaysia	0
Ptycta umbrata New, 1974	Australia	0
Ptycta unica (Perkins, 1899)	Hawaii	0

<i>Ptycta vaga</i> New, 1975	Kenya	0
<i>Ptycta verticalis</i> Vaughan, Thornton & New, 1991	Indonesia	0
<i>Ptycta vittipennis</i> (Perkins, 1899)	Hawaii	0
<i>Ptycta williamsorum</i> Smithers, 1997	Australia	0
<i>Ptycta ypsilon</i> Broadhead & Richards, 1980	Tanzania; Equatorial Guinea	0
<i>Ptycta zimmermani</i> Thornton, 1984	Hawaii	0
<i>Setopsocus magnus</i> Smithers & Thornton, 1981	New Guinea	0
<i>Steleops barrerae</i> Garcia Aldrete, 1995	Mexico	1
<i>Steleops elegans</i> (Banks, 1904)	USA	0
<i>Steleops lichenatus</i> (Walsh, 1863)	USA	0
<i>Steleops maculatus</i> New, 1972	Brazil	1
<i>Steleops monticola</i> Garcia Aldrete, 1981	Mexico	1
<i>Steleops ortegae</i> Garcia Aldrete, 1995	Mexico	1
<i>Steleops pedunculatus</i> (Enderlein, 1910)	Paraguay; Peru; Brazil	1
<i>Steleops pulcher</i> New, 1972	Brazil	1
<i>Steleops punctipennis</i> Enderlein, 1910	Paraguay; Peru	1
<i>Steleops purus</i> Mockford, 1996	Venezuela	1
<i>Sundapsocus robertsoni</i> Smithers, 1995	Christmas Island	0
<i>Symbiopsocus formosanus</i> (Okamoto, 1907)	Taiwan; China	0

Symbiopsocus leptocladus Li, 1997	China	0
Symbiopsocus nanyuensis (Li, 1992)	China	0
Symbiopsocus ophiocephais (Li, 1995)	China	0
Trichadenotecnum angolense Badonnel, 1955	Angola	0
Trichadenotecnum baishanzuicum Li, 1995	China	0
Trichadenotecnum bidentatum Thornton, 1984	Indonesia	0
Trichadenotecnum bucciniforme Li, 1993	China	0
Trichadenotecnum chinense Li, 1997	China	0
Trichadenotecnum circulare (Hagen, 1859)	Sri Lanka; Indochina	0
Trichadenotecnum colesae Turner & Cheke, 1983	Togo	0
Trichadenotecnum gallicum Lienhard, 1986	France; Spain	0
Trichadenotecnum germanicum Roesler, 1939	Germany; Czechoslovakia; Finland; Poland; Switzerland; USSR; Mongolia	0
Trichadenotecnum guandongicum Li, 1993	China	0
Trichadenotecnum gutianum Li, 1995	China	0
Trichadenotecnum himalayense Li & Yang, 1987	China	0
Trichadenotecnum imperatorium Li, 1989	China	0
Trichadenotecnum maroccanum Baz, 1989	Morocco	0
Trichadenotecnum mclachlani New, 1973	Thailand	0

Trichadenotecnum minisexmaculatum Li & Yang, 1987	China	0
Trichadenotecnum minutum Enderlein, 1926	Indonesia	0
Trichadenotecnum nebulosum Vaughan, Thornton & New, 1991	Indonesia	0
Trichadenotecnum obsitum (Enderlein, 1908)	Taiwan; China	0
Trichadenotecnum opiparipardale (Li, 1995)	China	0
Trichadenotecnum pardoides Badonnel, 1955	Angola; Nigeria; Tanzania	0
Trichadenotecnum pichincha New & Thornton, 1975	Ecuador	1
Trichadenotecnum pictipenne Badonnel, 1973	Angola	0
Trichadenotecnum pokhariense New, 1983	Nepal	0
Trichadenotecnum rectangulum Li, 1992	China	0
Trichadenotecnum resupinum (Li, 1997)	China	0
Trichadenotecnum scoparium (Li, 1995)	China	0
Trichadenotecnum scrobiculare Li, 1992	China	0
Trichadenotecnum spuristipiatum Li, 1997	China	0
Trichadenotecnum stipiatum Li, 1992	China	0
Trichadenotecnum sufflatum Li, 1993	China	0
Trichadenotecnum sylvaticum Turner, 1975	Jamaica	0
Trichadenotecnum tenuispinum Li, 1995	China	0
Trichadenotecnum thorntoni New, 1975	Kenya; Tanzania	0

Trichadenotecnum trigonophyllum Li, 1993	China	0
Trichadenotecnum uncorne (Li, 1995)	China	0
Trichadenotecnum wuxiacum Li, 1997	China	0

Table S2. Primers used to amplify the three gene regions used in this study. We indicate the forward and reverse sequence for each primer. We present the amplification protocol under each of these regions in Table S3.

Gene region	Forward	Reverse	Reference
COI	L6625 [5' CCG GAT CCT	H7005 [5' CCG GAT	Hafner et al. (1994)
	TYT GRT TYT TYG GNC	CCA CAN CRT ART	
	AYC C 3']	ANG TRT CRT G 3']	
18S	Ns1 [5' (5' GTA GTC ATA	Ns2p [5' CGC GGC	Barker et al. (2003) and Johnson et al. (2004)
	TGC TTG TCT C 3']	TGC TGG CAC CAG	
		ACT TTT CC 3']	
H3	[5' ATG GCT CGT ACC	[5' ATA TCC TTR GGC	Colgan et al. (1998)
	AAG CAG ACV GC 3']	ATR ATR GTG AC 3']	

Table S3. Summary of the protocol used to amplify for each gene region. We indicate the temperature and duration of each stage. We indicate the number of cycles when there are more than 1. In table, s= seconds; m=minutes; Cy=Cycles; Inc=Incubation.

Gene region	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
COI	94°C (3m)	41Cy–94°C (30s)	45°C (45s)	72°C (60s)	18°C (Inc)	-
18S	94°C (2m)	40Cy–94°C (30)	46°C (30s)	72°C (30s)	72°C (7m)	18°C (Inc)
H3	94°C (2m)	42Cy–94°C (20s)	54°C (30s)	72°C (1m)	72°C (5m)	18°C (Inc)

Table S4. Molecular sampling and geographical distribution of the specimens examined in this study. We summarize the taxonomic information for each species, along with information on whether its distribution includes Neotropical areas or not (column=Neo). Samples obtained in this study are indicated on the bottom of the table. Each of these samples is labeled with a code corresponding to the individual number deposited in the Psocopteran collection of the Universidad del Valle, Colombia (Grupo de Investigaciones Entomológicas). Note that figures for the examined taxa are provided in Appendix E.

Subfamily	Species	Neo	12S	16S	18S	COI	H3	wnt
Amphigerontiinae	<i>Amphigerontia jezoensis</i>	No	EF66223 3	EF66210 4	AY63054 6	EF66206 7	EF66214 3	GU56936 8
	<i>Blastopsocus lithinus</i>	No	AY27531 3	AY27536 3	AY63054 8	AY27528 8	-	-
	<i>Blaste quieta</i>	No	-	EF66210 6	AY63054 7	EF66206 9	EF66214 5	-
Kaindipsocinae	<i>Kaindipsocus sp. 2</i>	No	KF65195 0	KF49926 4	-	KF65183 1	-	KF65171 2
	<i>Kaindipsocus sp. 3</i>	No	JF820376	-	-	-	JF820386	-
	<i>Kaindipsocus sp. 1</i>	No	EF66223 6	EF66210 9	EF66226 9	EF66207 2	EF66214 9	EF66219 4

Psocinae	<i>Kimunpsocus takumai</i>	No	GQ23153 6	GQ23153 5	GQ23153 8	GQ23153 7	-	-
	<i>Tanystigma sp. 2</i>	No	JF820379	JF820382	-	JF820374	-	JF820384
	<i>Tanystigma sp. 1</i>	No	-	-	-	JF820375	-	JF820385
	<i>Metylophorus novaescotiae</i>	No	AY27531 1	AY27536 1	AY63055 8	-	-	-
	<i>Metylophorus purus</i>	No	EF66224 1	EF66211 4	EF66227 2	-	EF66215 5	EF66220 0
	<i>Atrichadenotecnum quadripunctatum</i>	No	AY37462 2	AY37457 2	AY37458 8	AY37455 5	EF66215 7	EF66220 3
	<i>Atropsocus atratus</i>	No	EF66224 4	EF66211 7	EF66227 4	EF66208 0	EF66215 8	EF66220 4
	<i>Hyalopsocus floridanus</i>	No	EF66224 6	EF66211 9	EF66227 6	EF66208 2	EF66216 0	EF66220 6
	<i>Hyalopsocus morio</i>	No	EF66224 5	EF66211 8	EF66227 5	EF66208 1	EF66215 9	EF66220 5
	<i>Psocus bipunctatus</i>	No	EF66224 8	EF66212 1	-	EF66208 4	EF66216 2	EF66220 8
	<i>Psocus crosbyi</i>	No	EF66224 9	EF66212 2	EF66227 8	EF66208 5	EF66216 3	EF66220 9

<i>Atlantopsocus personatus</i>	No	EF66225 0	EF66212 3	EF66227 9	-	EF66216 4	-
<i>Camelopsocus monticolus</i>	No	-	EF66212 4	EF66228 0	EF66208 6	EF66216 5	EF66221 0
<i>Copostigma collinum</i>	No	KF65189 7	KF49921 1	-	KF65177 8	-	KF65165 9
<i>Copostigma dispersum</i>	No	KF65189 8	KF49921 2	-	KF65177 9	-	KF65166 0
<i>Copostigma marosticum</i>	No	KF65183 3	KF49914 7	-	KF65171 4	-	KF65159 5
<i>Copostigma natewa</i>	No	KF65183 4	KF49914 8	-	KF65171 5	-	-
<i>Indiopsocus bisignatus</i>	No	EF66225 2	EF66212 6	EF66228 2	EF66208 7	EF66216 7	-
<i>Loensia conspersa</i>	No	EF66225 4	EF66212 8	EF66228 4	-	EF66217 1	EF66221 6
<i>Loensia moesta</i>	No	AY27531 0	AY27536 0	AY63055 0	AY27528 5	EF66216 9	EF66221 4
<i>Loensia variegata</i>	No	AY13990 6	AY13995 3	AY63054 9	AY37455 6	EF66217 0	GU56936 9
<i>Oreopsocus buholzeri</i>	No	EF66225 5	EF66212 9	EF66228 5	-	EF66217 2	-

<i>Ptycta aaroni</i>	No	KF65183 7	KF49915 1	-	KF65171 8	-	KF65159 9
<i>Ptycta apicantha</i>	No	KF65185 8	KF49922 3	LC20904 2	KF65173 9	LC20907 2	KF65162 0
<i>Ptycta diadela</i>	No	KF65185 3	KF49916 7	LC20904 8	KF65182 3	LC20907 8	KF65161 5
<i>Ptycta diastema</i>	No	KF65184 5	KF49915 9	LC20905 8	KF65172 6	LC20908 8	KF65160 7
<i>Ptycta distinguenda</i>	No	KF65186 1	KF49917 5	-	-	-	KF65162 3
<i>Ptycta frogneri</i>	No	KF65191 3	KF49923 1	-	KF65179 4	-	KF65167 5
<i>Ptycta giffardi</i>	No	KF65184 6	KF49916 0	-	KF65177 0	-	KF65165 1
<i>Ptycta haleakalae</i>	No	KF65188 4	KF49919 8	-	KF65176 5	-	KF65164 6
<i>Ptycta hardyi</i>	No	KF65186 3	KF49917 7	LC20904 4	KF65174 4	LC20907 4	KF65162 5
<i>Ptycta johnsoni</i>	No	KF65189 9	KF49921 3	-	KF65178 0	EF66217 5	KF65166 1
<i>Ptycta kauaiensis</i>	No	KF65189 1	KF49920 5	-	KF65177 5	-	KF65165 3

<i>Ptycta leucothorax</i>	No	KF65187 2	KF49918 6	-	KF65175 9	-	KF65163 4
<i>Ptycta lobophora</i>	No	KF65187 6	KF49919 0	-	KF65179 6	-	KF65163 8
<i>Ptycta maculifrons</i>	No	KF65186 0	KF49917 4	LC20904 3	KF65178 6	LC20907 3	KF65162 2
<i>Ptycta microctena</i>	No	KF65184 2	KF49915 6	-	KF65172 3	-	KF65160 4
<i>Ptycta microglena</i>	No	KF65188 3	KF49919 7	-	KF65176 4	-	KF65164 5
<i>Ptycta molokaiensis</i>	No	KF65185 1	KF49916 5	LC20904 1	KF65173 2	LC20907 1	KF65161 3
<i>Ptycta monticola</i>	No	KF65188 7	KF49920 1	LC20905 3	KF65177 3	LC20908 3	KF65164 9
<i>Ptycta palikea</i>	No	KF65189 5	KF49920 9	LC20905 5	KF65177 6	LC20908 5	KF65165 7
<i>Ptycta pikeloi</i>	No	KF65184 9	KF49916 3	LC20904 0	KF65173 0	LC20907 0	KF65161 1
<i>Ptycta placophora</i>	No	KF65183 9	KF49915 3	LC20905 0	KF65172 5	LC20908 0	KF65160 1
<i>Ptycta simulator</i>	No	KF65188 0	KF49915 7	LC20904 5	KF65172 4	LC20907 5	KF65160 5

<i>Ptycta stenomedia</i>	No	KF65190 2	KF49921 6	-	KF65178 3	-	KF65166 4
<i>Ptycta telma</i>	No	KF65189 3	KF49920 7	LC20905 4	KF65181 1	LC20908 4	KF65165 5
<i>Ptycta zimmermani</i>	No	KF65192 5	KF49923 9	-	KF65181 2	-	KF65168 7
<i>Steleops elegans</i>	No	EF66225 9	EF66213 3	EF66229 0	EF66209 5	EF66217 6	EF66222 1
<i>Symbiopsocus hastatus</i>	No	-	-	EF66229 2	-	EF66217 8	EF66222 3
<i>Trichadenotecnum album</i>	No	AY37463 7	AY37458 7	AY37460 4	AY37457 1	LC05216 9	-
<i>Trichadenotecnum alexanderae</i>	No	-	-	-	-	LC05217 1	-
<i>Trichadenotecnum amamiense</i>	No	LC05194 6	LC05200 3	LC05206 1	LC05210 9	LC05216 0	-
<i>Trichadenotecnum arciforme</i>	No	-	LC05201 0	LC05206 9	-	LC05217 4	-
<i>Trichadenotecnum castum</i>	No	AY37462 4	AY37457 4	AY37459 1	AY37455 8	LC05217 2	-
<i>Trichadenotecnum chiapense</i>	Yes	LC20897 6	LC20899 6	LC20903 7	-	-	-

<i>Trichadenotecnum cinnamomum</i>	No	LC05192 0	LC05197 7	LC05203 5	LC05209 1	LC05213 2	-
<i>Trichadenotecnum circularoides</i>	No	AY37462 3	AY37457 3	EF66229 5	AY37455 7	EF66218 0	EF66222 4
<i>Trichadenotecnum corniculum</i>	No	AY37462 6	AY37457 6	AY37459 3	AY37456 0	LC05213 1	-
<i>Trichadenotecnum cornutum</i>	No	LC05196 2	LC05202 0	LC05207 9	LC05211 9	LC05218 5	-
<i>Trichadenotecnum danieli</i>	No	LC05193 5	LC05199 2	LC05205 0	LC05210 1	LC05214 8	-
<i>Trichadenotecnum depitarensense</i>	No	LC05196 9	LC05202 7	LC05208 6	LC05212 3	LC05219 1	-
<i>Trichadenotecnum desolatum</i>	No	EF66226 3	EF66213 7	EF66229 7	EF66209 9	EF66218 2	EF66222 7
<i>Trichadenotecnum dobhanense</i>	No	LC05193 6	LC05199 3	LC05205 1	LC05210 2	LC05214 9	-
<i>Trichadenotecnum falx</i>	No	AY37462 8	AY37457 8	AY37459 5	AY37456 2	LC05214 7	-
<i>Trichadenotecnum furcilingum</i>	No	AY37462 7	AY37457 7	AY37459 4	AY37456 1	LC05213 6	-
<i>Trichadenotecnum fuscipenne</i>	No	AY37462 9	AY37457 9	AY37459 6	AY37456 3	LC05215 2	-

<i>Trichadenotecnum germanicum</i>	No	LC05195 2	LC05200 9	LC05206 8	LC05211 5	LC05217 3	-
<i>Trichadenotecnum incognitum</i>	No	AY37463 6	AY37458 6	AY37460 3	AY37457 0	LC05217 0	-
<i>Trichadenotecnum isseii</i>	No	LC05192 4	LC05198 1	LC05203 9	LC05209 4	LC05213 7	-
<i>Trichadenotecnum kerinciense</i>	No	LC05196 7	LC05202 5	LC05208 4	LC05212 2	LC05219 0	-
<i>Trichadenotecnum krucilense</i>	No	LC05194 1	LC05199 8	LC05205 6	LC05210 5	LC05215 4	-
<i>Trichadenotecnum kumejimense</i>	No	LC05194 8	LC05200 5	LC05206 3	LC05211 1	LC05216 2	-
<i>Trichadenotecnum latebrachium</i>	No	AY37463 4	AY37458 4	AY37460 1	AY37456 8	LC05216 3	-
<i>Trichadenotecnum majus</i>	No	LC05196 6	LC05202 4	LC05208 3	JF862465	LC05218 9	-
<i>Trichadenotecnum malayense</i>	No	LC05193 4	LC05199 1	LC05204 9	LC05210 0	LC05214 6	-
<i>Trichadenotecnum malickyi</i>	No	LC05194 5	LC05200 2	LC05206 0	LC05210 8	LC05215 8	-
<i>Trichadenotecnum medium</i>	No	LC05194 9	LC05200 6	LC05206 4	-	LC05216 5	-

<i>Trichadenotecnum mixtum</i>	No	AY37463 3	AY37458 3	AY37460 0	AY37456 7	LC05215 9	-
<i>Trichadenotecnum nepalense</i>	No	LC05197 0	LC05202 8	LC05208 7	LC05212 4	LC05219 2	-
<i>Trichadenotecnum nothoapertum</i>	No	AY37463 2	AY37458 2	AY37459 9	AY37456 6	LC05217 7	-
<i>Trichadenotecnum okinawense</i>	No	LC05194 7	LC05200 4	LC05206 2	LC05211 0	LC05216 1	-
<i>Trichadenotecnum pseudomedium</i>	No	LC05195 0	LC05200 7	LC05206 5	LC05211 2	LC05216 6	-
<i>Trichadenotecnum quaesitum</i>	No	EF66226 2	EF66213 6	EF66229 6	EF66209 8	EF66218 1	EF66222 6
<i>Trichadenotecnum sabahense</i>	No	LC05191 6	LC05197 3	LC05203 1	LC05208 9	LC05212 7	-
<i>Trichadenotecnum santosai</i>	No	LC05195 8	LC05201 6	LC05207 5	LC05211 7	LC05218 1	-
<i>Trichadenotecnum sclerotum</i>	No	LC05192 2	LC05197 9	LC05203 7	LC05209 3	LC05213 4	-
<i>Trichadenotecnum sexpunctatum</i>	No	LC05195 1	LC05200 8	LC05206 7	LC05211 4	LC05216 8	-
<i>Trichadenotecnum shawi</i>	Yes	LC20896 1	-	-	LC20900 0	LC20906 0	-

<i>Trichadenotecnum sibolangitense</i>	No	LC05194 3	LC05200 0	LC05205 8	LC05210 6	LC05215 6	-
<i>Trichadenotecnum slossonae</i>	No	LC20897 5	LC20899 5	LC20903 6	-	LC20906 8	-
<i>Trichadenotecnum soenarti</i>	No	LC05196 1	LC05201 9	LC05207 8	LC05211 8	LC05218 4	-
<i>Trichadenotecnum suwai</i>	No	LC05194 0	LC05199 7	LC05205 5	LC05210 4	LC05215 3	-
<i>Trichadenotecnum tigrinum</i>	No	LC05191 5	LC05197 2	LC05203 0	LC05208 8	LC05212 5	-
<i>Trichadenotecnum ufla</i>	Yes	LC18509 2	LC18509 1	LC18509 4	LC18509 3	LC18509 5	-
<i>Trichadenotecnum yaeyamense</i>	No	-	-	LC05206 6	LC05211 3	LC05216 7	-
<i>Trichadenotecnum yamatomajus</i>	No	AY37463 1	AY37458 1	AY37459 8	AY37456 5	LC05218 7	-
<i>Trichadenotecnum yatai</i>	No	LC05193 9	LC05199 6	LC05205 4	-	LC05215 1	-
<i>Sigmatoneura kakisayap</i>	No	EF66223 9	EF66211 2	-	EF66207 6	GU56931 6	GU56937 2
<i>Sigmatoneura kolbei</i>	No	EF66224 2	EF66211 5	AY63055 6	EF66207 8	-	EF66220 1

	<i>Cerastipsocus trifasciatus</i>	No	EF66223 7	EF66211 0	EF66227 0	EF66207 3	EF66215 0	EF66219 5
	<i>Cerastipsocus venosus</i>	No	-	-	AY25214 1	-	-	-
	<i>Longivalvus nubilus</i>	No	-	-	-	EF66207 5	EF66215 2	EF66219 7
	<i>Psococerastis nubila</i>	No	AY13990 5	AY13995 2	AY63055 9	-	-	-
New sequences								
Amphigerontiinae	<i>Psocidae</i> sp. (014)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Psocidae</i> sp. (016)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Psocidae</i> sp. (015)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Psocidae</i> sp. (025; Fig. E13)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Elaphopsocoides</i> sp. (045; Fig. E11)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Chaetoblaste</i> sp. (044; Fig. E9)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Blaste</i> sp. (019; Fig. E5)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Blaste</i> sp. (017)	Yes	-	-	Submitted	Submitted	Submitted	-
	Amphigerontinae sp. (012; Fig. E1)	Yes	-	-	Submitted	Submitted	Submitted	-

Psocinae	<i>Blaste</i> sp. (013; Fig. E2)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Metylophorus</i> sp. (035)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Metylophorus</i> sp. (034; Fig. E12)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Psocus</i> sp. (032; Fig. E16)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Trichadenotecnum</i> sp. (040; Fig. E29)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Ptycta</i> sp. (042; Fig. E18)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Steleops</i> sp. (043; Fig. E19)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Trichadenotecnum</i> sp. (008; Fig. E28)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Atrichadenotecnum</i> sp. (011; Fig. E3)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Trichadenotecnum</i> sp. (006; Fig. E26)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Trichadenotecnum</i> sp. (007; Fig. E27)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Atrichadenotecnum</i> sp. (030; Fig. E4)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Ptycta</i> sp. (038; Fig. E17)	Yes	-	-	Submitted	Submitted	Submitted	-
	<i>Cerastipsocus</i> sp. (005; Fig. E7)	Yes	-	-	Submitted	Submitted	Submitted	-

<i>Cerastipsocus</i> sp. (018)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Cerastipsocus</i> sp. (010; Fig. E8)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Psococerastis</i> sp. (009; Fig. E14)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Psococerastis</i> sp. (039; Fig. E15)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Thyrsopsocus</i> sp. (036; Fig. E25)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Dactylopsocus</i> sp. (037; Fig. E10)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Psococerastis</i> sp. (033; Fig. E23)	Yes	-	-	Submitted	Submitted	Submitted	-
Thyrsophorini sp. (031)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Cerastipsocus</i> sp. (003; Fig. E6)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Thyrsopsocus</i> sp. (020; Fig. E24)	Yes	-	-	Submitted	Submitted	Submitted	-
<i>Cerastipsocus</i> sp. (024)	Yes	-	-	Submitted	Submitted	Submitted	-
Thyrsophorini sp. (022)	Yes	-	-	Submitted	Submitted	Submitted	-
Thyrsophorini sp. (023; Fig. E22)	Yes	-	-	Submitted	Submitted	Submitted	-
Thyrsophorini sp. (021; Fig. E22)	Yes	-	-	Submitted	Submitted	Submitted	-
Thyrsophorini sp. (029; Fig. E20)	Yes	-	-	Submitted	Submitted	Submitted	-

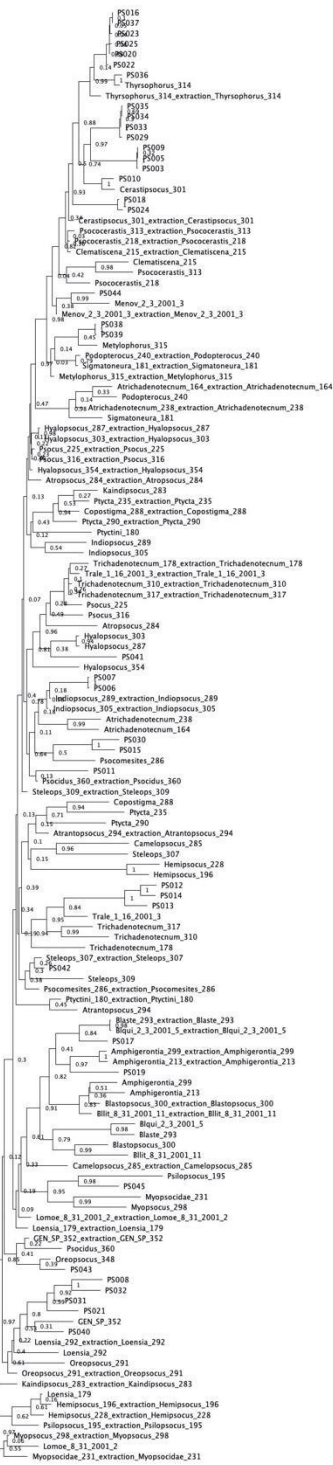


Figure S1. Phylogeny of the Psocidae based on combining our newly generated samples with those from Yoshizawa and Johnson (2008). The corresponding tree is presented in the Supplementary File S12.

References

- Barker, S.C., Whiting, M., Johnson, K.P. & Murrell, A. (2003), “Phylogeny of the lice (Insecta, Phthiraptera) inferred from small subunit rRNA”, *Zoologica Scripta*, 32(5), pp. 407–414.
- Colgan, D.J., McLauchlan, A., Wilson, G.D.F., Livingston, S.P., Edgecombe, G.D., Macaranas, J. & Cassis, G. (1998), “Histone H3 and U2 snRNA DNA sequences and arthropod molecular evolution”, *Australian Journal of Zoology*, 46(5), pp. 419–437.
- Hafner, M.S., P. D. Sudman, F. X. Villablanca, T. A. Spradling, J. W. Demastes & Nadler, S. A. (1994), “Disparate rates of molecular evolution in cospeciating hosts y parasites”, *Science*, 265, pp. 1087 -1090.
- Johnson, K.P., Yoshizawa, K., & Smith, V.S. (2004), “Multiple origins of parasitism in lice”, *Proc. Biol. Sci.*, 271, pp. 1771-1776.
- Ooms J (2014). “The jsonlite Package: A Practical and Consistent Mapping Between JSON Data and R Objects.” [arXiv:1403.2805](https://arxiv.org/abs/1403.2805).
- Solymos, P. (2019). Zawadzki Z. pbapply: Adding Progress Bar to* apply' functions. R package version 1.4-2.
- Wickham, H. (2019). Zawadzki Z. httr. R package version 1.4.1.