
Checklist of chewing lice (Phthiraptera: Amblycera and Ischnocera) on birds of Peru

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Abstract

Checklist of chewing lice (Phthiraptera: Amblycera and Ischnocera) on birds of Peru. Peru is one of the countries with the highest diversity of birds worldwide, having about 1,876 species in its territory. However, studies focused on chewing lice (Phthiraptera) have been carried out on only a minority of bird species. The available data are distributed in 87 publications in the national and international literature. In this checklist we summarize all the records to date of chewing lice on wild and domestic birds in Peru. Among the 301 species of birds studied, 266 species of chewing lice were recorded. The localities with the highest records were the Departments of Cusco, Junín, Lima and Madre de Dios. No records of birds parasitized by these lice have been found in seven departments of Peru. Studies related to lice have only been reported in 16% of bird species in the country, indicating that research concerning chewing lice has not yet been performed for the the majority of birds in Peru.

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Key words: Avifauna, Ectoparasites, Lice, Parasitology, Phthiraptera

Resumen

Lista de verificación de piojos masticadores (Phthiraptera: Amblycera e Ischnocera) de las aves de Perú. Perú es uno de los países con mayor diversidad de aves del mundo, con unas 1.876 especies en su territorio. Sin embargo, los estudios dedicados a piojos masticadores (Phthiraptera) de aves se limitan a un número reducido de especies. Esta información se encuentra distribuida en 87 publicaciones nacionales e internacionales. Esta lista de verificación incluye todos los registros de piojos masticadores realizados en aves silvestres y domésticas de Perú. La lista consta de 301 especies de aves en las que se registraron 266 especies de piojos masticadores. Las zonas con mayores registros fueron los departamentos de Cuzco, Junín, Lima y Madre de Dios. No se encontraron registros de aves parasitadas por piojos en siete departamentos de Perú. Tan solo el 16% de las especies de aves de Perú cuentan con algún estudio referido a piojos, por lo que una importante proporción de aves parasitadas por los mismos permanece indocumentada.

Datos publicados en [GBIF](#) (Doi: [10.15470/u1jtiu](#))

Palabras claves: Avifauna, Ectoparásitos, Piojos, Parasitología, Phthiraptera

Resum

Llista de verificació de polls mastegadors (Phthiraptera: Amblycera e Ischnocera) dels ocells del Perú. El Perú és un dels països amb més diversitat d'ocells del món, amb unes 1.876 espècies al seu territori. Tanmateix, els estudis dedicats a polls mastegadors (Phthiraptera) d'ocells es limiten a un nombre reduït d'espècies. Aquesta informació es troba distribuïda en 87 publicacions nacionals i internacionals. Aquesta llista de verificació inclou tots els registres de polls mastegadors portats a terme en ocells silvestres i domèstics del Perú. La llista consta de 301 espècies d'ocells en les quals es van registrar 266 espècies de polls mastegadors. Les zones amb més registres van ser els departaments de Cusco, Junín, Lima i Madre de Dios. No es van trobar registres d'ocells parasitats per polls en set departaments del Perú. Només el 16% de les espècies d'ocells del Perú tenen algun estudi referit a polls, per la qual cosa una proporció important d'ocells parasitats per polls està indocumentada.

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Paraules claus: Avifauna, Ectoparàsits, Polls, Parasitologia, Phthiraptera

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Introduction

Chewing lice (Phthiraptera) are obligate ectoparasites that can be found worldwide on avian hosts, feeding mainly on feathers, blood, dead skin, or secretions (Price et al., 2003; Clayton et al., 2008; Durden, 2019). Birds are most commonly parasitized by two of the four suborders of the Phthiraptera group: Amblycera and Ischnocera (Clayton et al., 2010; Nunes et al., 2014). Most species of bird lice are highly host-specific as many species have been recorded on a single host, while other species have been recorded on other closely related birds (Tavera et al., 2019).

In Peru, approximately 1,876 species of birds have been recorded through sightings, capture, or song identification (Plenge, 2020). This high diversity situates Peru as the country with the second highest diversity of birds in the world, surpassed only by Colombia (Plenge et al., 2020). However, the number of bird species with records of lice species is low.

The study of bird lice in Peru began with the renowned world pioneer and specialist in Neotropical Mallophaga, Melbourne Carriker Jr. one of the first researchers to describe lice species in Peruvian birds. Carriker's long trajectory in the study of mallophaga began in 1902

but it was not until 1936 that he published a registry of mallophaga, including 26 species of lice collected from nine species of birds of the order Tinamiformes (tinamúes, partridges) from the departments of Amazonas, Cajamarca, Junín, La Libertad, Lima, Puno and San Martín. From 1936 to 1967, Carriker continued to publish more records of mallophagous birds from the neotropics, including those from Peru. Among these multiple publications, 26 mention at least one species collected in Peru, making a total of 78 species of mallophaga reported in Peru during this period, and establishing a broad base for this country.

Gonzales et al. (1949) are considered among the first Peruvians researchers to study ectoparasites (including lice) in domestic birds such as chickens. From 1949 to 1968, 13 malignant species were recorded in seven species of birds, three domestic and four wild species, in the Peruvian literature (Dale, 1970).

Most of the records and reports of lice in birds in Peru were published in national and international media between 1936 and 2020. As these data are scattered over various databases (virtual and physical), the objective of this study was to summarize this literature and present it as an annotation list, specifying the hosts and the localities where the hosts were captured.

Material and methods

This revised list was prepared from an extensive bibliographic review of reported lice records on birds from Peru from 1936 to 2020 in the main international databases, as well as physical documents from collections and museums. This list does not include the records of abstracts at scientific meetings, congresses or symposia. The nomenclature of lice follows that of Price et al. (2003) and Smith et al. (2020).

The revised list is made up of two sections: the first contains a list of the lice species, their synonyms, hosts, the locality where the birds were collected, the corresponding reference, and in some cases a comment; the second includes the list of host birds, their common name, their conservation status according to the International Union for Conservation of Nature and Natural Resources (IUCN) and their respective lice. This section is arranged in alphabetical order according to the orders and families of the birds (see also appendix 1 and the dataset published through [GBIF](#), Doi: [10.15470/u1jtiu](https://doi.org/10.15470/u1jtiu)). The host nomenclature follows that of Schulenberg et al. (2010) and Plenge (2020). Additionally, a map of Peru with its respective departments is presented to indicate the distribution of the species and hosts registered in each department.

Results

Checklist parasite – host

Class Insecta

Order Phthiraptera Haeckel, 1896

Suborder Amblycera Kellogg, 1896

Family Menoponidae Mjöberg, 1910

***Actornithophilus* Ferris, 1916**

***Actornithophilus hoplopteri* (Mjöberg, 1910)**

Synonym: *Actornithophilus hoplopteri maculosus* Carriker, 1963; *Actornithophilus hoplopteri peruvianus* Carriker, 1963.

Host: *Charadrius vociferus* Linnaeus, 1758.

Distribution in Peru: Lima.

Reference: Carriker (1963).

Actornithophilus ochraceus (Nitzsch, 1818)

Synonym: *Actornithophilus flavipes* (Giebel, 1874); *Actornithophilus laveni* Eichler, 1953; *Actornithophilus perplanus* (Kellogg and Chapman, 1899); *Actornithophilus perrarus* Blagov, 1948; *Actornithophilus timidus* (Kellogg, 1896).

Host: *Charadrius alexandrinus* Linnaeus, 1758.

Distribution in Peru: Lima.

Reference: Dale (1970).

Remark: Dale (1970) registered this louse in *Charadrius alexandrinus*, but this bird is not found in Peru, making the identification of this host doubtful.

Actornithophilus pediculoides (Mjöberg, 1910b)

Host: *Arenaria interpres* (Linnaeus, 1758).

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

Actornithophilus umbrinus (Burmeister, 1838)

Synonym: *Actornithophilus albus* Emerson, 1948; *Actornithophilus hirsutus* Carriker, 1954; *Actornithophilus hrabei* Balát, 1953; *Actornithophilus morsitans* (Kellogg and Mann, 1912); *Actornithophilus spinulosus minor* (Kellogg and Chapman, 1899); *Actornithophilus trilobatus* (Giebel, 1874); *Actornithophilus umbrosus* (Harrison, 1916).

Host: *Calidris alba* (Pallas, 1764); *Calidris canutus* (Linnaeus, 1758); *Calidris mauri* (Cabanis, 1857); *Calidris pusilla* (Linnaeus, 1766).

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

***Actornithophilus* sp.**

Host: *Calidris alba*; *Tringa flavipes* (Gmelin, 1789).

Distribution in Peru: Ica, Lima.

Reference: Dale (1970).

***Amyrsidea* Ewing, 1927**

Amyrsidea (Cracimenopon) aburris Carriker, 1950

Synonym: *Amyrsidea semicracis chamaepeta* Carriker, 1950.

Host: *Chamaepetes goudotii* (Lesson, 1828).

Distribution in Peru: San Martin.

Reference: Carriker (1950b).

Amyrsidea (Cracimenopon) jacquacu Carriker, 1950

Synonym: *Amyrsidea semicracis jacquacu* Carriker, 1950.

Host: *Penelope jacquacu* Spix, 1825.

Distribution in Peru: San Martin.

Reference: Carriker (1950b).

Amyrsidea (Desumenopon) speciosa (Carriker, 1967)

Synonym: *Desumenopon speciosa* Carriker, 1967.

Host: *Odontophorus speciosus* Tschudi, 1843.

Distribution in Peru: unknown.

Reference: Carriker and Emerson (1967c).

***Austromenopon* Bedford, 1939**

***Austromenopon becki* (Kellogg, 1906)**

Synonym: *Austromenopon miloni* (Séguy, 1949).

Host: *Phaethon aethereus* Linnaeus, 1758.

Distribution in Peru: Piura.

Reference: Dale (1970).

***Austromenopon oceanodromae* Price and Clay, 1972**

Host: *Hydrobates hornbyi* (G. R. Gray, 1864); *Hydrobates Tethys* (Bonaparte, 1852).

Distribution in Peru: unknown.

Reference: Price and Clay (1972).

***Austromenopon transversum* (Denny, 1842)**

Synonym: *Austromenopon infrequens* (Kellogg, 1896); *Austromenopon lemniscatum* (Enderlein, 1909); *Austromenopon obtusum* (Giebel, 1866); *Austromenopon pachypus* (Piaget, 1888); *Austromenopon phaeopus* (Nitzsch [In Giebel], 1866); *Austromenopon ridibundus* (Denny, 1842); *Austromenopon transversum circular* Zlotorzyska, 1968; *Austromenopon transversum comitor* Zlotorzyska, 1968.

Host: *Larus belcheri* Vigors, 1829.

Distribution in Peru: Lima.

Reference: Principe et al. (2020).

***Ciconiphilus* Bedford, 1939**

***Ciconiphilus decimfasciatus* (Boisduval and Lacordaire, 1835)**

Synonym: *Ciconiphilus agami* Carriker, 1964; *Ciconiphilus boisduvali* (Eichler, 1937); *Ciconiphilus castaneus* (Piaget, 1885); *Ciconiphilus doriabagla* (Ansari, 1951); *Ciconiphilus floridus* Carriker, 1964; *Ciconiphilus importunus* (Denny, 1842); *Ciconiphilus laticeps* (Kellogg, 1896); *Ciconiphilus nyctardis* (Denny, 1842); *Ciconiphilus obscurus* (Giebel, 1874); *Ciconiphilus pilherodii* Carriker, 1964; *Ciconiphilus sulcatus* (Piaget, 1880); *Ciconiphilus tamamurensis* (Uchida, 1926); *Ciconiphilus veratrus* (Kellogg, 1910)

Host: *Bubulcus ibis* (Linnaeus, 1758); *Nycticorax nycticorax* (Linnaeus, 1758).

Distribution in Peru: Junín, Pasco.

Reference: Carriker (1964); Dourojeanni et al. (1968).

***Colpocephalum* Nitzsch, 1818**

***Colpocephalum heterosoma* (Piaget, 1880)**

Synonym: *Colpocephalum heterosoma boliviana* Carriker, 1956; *Colpocephalum poopoensis* Carriker, 1956.

Host: *Phoenicopterus chilensis* Molina, 1782.

Distribution in Peru: Lima.

Reference: Dale (1970).

***Colpocephalum holzenthali* Clayton and Price, 1989**

Synonym: *Colpocephalum violanii* Tendeiro and Mendes, 1994.

Host: *Micrastur ruficollis* (Vieillot, 1817); *Nycticorax nycticorax*; *Plegadis ridgwayi* (Allen, 1876).

Distribution in Peru: Junín, Madre de Dios.

Reference: Dale (1970); Clayton and Price (1989).

***Colpocephalum megalopteri* Price, 1967**

Host: *Phalcoboenus* sp. Probably *Phalcoboenus megalopterus*.

Distribution in Peru: Lima.

Reference: Price (1967).

Remark: this species was discovered and described in *Phalcoboenus albogularis* Gould, 1837, but this host is only found in Southern Chile, so the host is probably *P. megalopterus* which is the only *Phalcoboenus* registered in Peru.

***Colpocephalum occidentalis* Price, 1967**

Host: *Pelecanus thagus* Molina, 1782.

Distribution in Peru: Ica.

Reference: Dale (1970).

***Colpocephalum pectinatum* Osborn, 1902**

Synonym: *Colpocephalum ictiniae* Carriker, 1963; *Colpocephalum pectinatum neotropicalis* (Carriker, 1963).

Host: *Athene cunicularia* (Molina, 1782); *Colaptes rupicola* d'Orbigny, 1840.

Distribution in Peru: Junín, Lima.

Reference: Dale (1970).

***Colpocephalum trichosum* Harrison, 1916**

Synonym: *Colpocephalum setosum* Piaget, 1880.

Host: *Vultur gryphus* Linnaeus, 1758.

Distribution in Peru: unknown.

Reference: Price and Beer (1963).

***Colpocephalum turbinatum* Denny, 1842**

Synonym: *Colpocephalum abruptofasciatum* Mjöberg, 1910; *Colpocephalum ailurum* Nitzsch, 1861; *Colpocephalum bicinctum* Nitzsch, 1861; *Colpocephalum caudatum* Giebel, 1874; *Colpocephalum dissimile* Piaget, 1880; *Colpocephalum eugenii* (Eichler and Zlotorzyska, 1963); *Colpocephalum femellus* (Eichler and Zlotorzyska, 1963); *Colpocephalum gypae* (Qadri, 1935); *Colpocephalum intermedium* Piaget, 1880; *Colpocephalum latifasciatum* Piaget, 1885; *Colpocephalum osborni costaricense* Carriker, 1903; *Colpocephalum oxyurum* Nitzsch, 1861; *Colpocephalum subflavescens* Piaget, 1880; *Colpocephalum tricinctum* Nitzsch, 1861; *Colpocephalum wernecki* Orfila, 1959.

Host: *Columba livia* Gmelin, 1789; *Nothoprocta pentlandii* (Gray, 1867).

Distribution in Peru: Huánuco, Lima.

Reference: Dale (1970); Gomez–Puerta and Cribillero (2015); Príncipe et al. (2020).

***Colpocephalum* sp.**

Host: *Geranoaetus polyosoma* (Quoy and Gaimard, 1824).

Distribution in Peru: Lima.

Reference: Dale (1970).

***Dennyus* Neumann, 1906**

***Dennyus (Dennyus) brunneitorques* Carriker, 1954**

Host: *Streptoprocne rutila* (Vieillot, 1817).

Distribution in Peru: Junín.

Reference: Carriker (1954).

***Eidmanniella* Kéler, 1938**

Eidmanniella albescens (Piaget, 1880)

Synonym: *Eidmanniella singularis* (Kellogg and Kuwana, 1902); *Eidmanniella sula* Tenreiro, 1958.

Host: *Sula neboxii* Milne–Edwards, 1882; *Sula variegata* (Tschudi, 1843).

Distribution in Peru: Ica, Piura.

Reference: Ryan and Price (1969); Dale (1970).

Eidmanniella pellucida (Rudow, 1869)

Synonym: *Eidmanniella brevipalpis* (Piaget, 1880); *Eidmanniella kuwani* (Kellogg and Chapman, 1902); *Eidmanniella sigmoidalis* (Picaglia, 1885).

Host: *Leucocarbo bougainvilliorum* (Lesson, 1837); *Poikilocarbo gaimardi* (Lesson and Garnot, 1828).

Distribution in Peru: Lima.

Reference: Dale (1970).

***Heteromenopon* Carriker, 1954b**

Heteromenopon (Heteromenopon) aurifrons Price and Beer, 1967

Host: *Amazona mercenarius* (Tschudi, 1844); *Psilopsiagon aurifrons* (Lesson, 1830); *Psittacara wagleri* (G. R. Gray, 1845).

Distribution in Peru: Puno.

Reference: Price and Beer (1967).

Remark: Price and Beer describe two additional hosts, *Piculus rivolii* (Boissonneau, 1840) and *Cinclus leucocephalus* Tschudi, 1844, which they themselves consider as possible host errors.

***Hohorstiella* Eichler, 1940**

Hohorstiella andina Carriker, 1949

Host: *Metriopelia Aymara* (Prévost, 1840).

Distribution in Peru: Puno.

Reference: Carriker (1949b).

Hohorstiella lata (Piaget, 1880)

Host: *Columba livia*.

Distribution in Peru: Lima.

Reference: Príncipe et al. (2020).

***Holomenopon* Eichler, 1941**

Holomenopon tadornae (Gervais, 1844)

Synonym: *Holomenopon boetticheri* Eichler, 1955; *Holomenopon eulasium* (Kellogg, 1910); *Holomenopon extraneum* (Piaget, 1880); *Holomenopon museigottgense* Eichler, 1954

Host: *Chloephaga melanoptera* (Eyton, 1838).

Distribution in Peru: Junín.

Reference: Dale (1970).

***Kaysius* Price and Clayton, 1989**

Kaysius cotingae (Carriker, 1949)

Synonym: *Machaerilaemus cotingae* Carriker, 1949.

Host: *Cephalopterus ornatus* Geoffroy Saint-Hilaire, 1809.

Distribution in Peru: San Martín.

Reference: Carriker (1949b); Price and Dalgleish (2002).

Kaysius emersoni Price and Clayton, 1989

Host: *Glyphorhynchus spirurus* (Vieillot, 1819).

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1989).

***Kurodaia* Uchida, 1926**

***Kurodaia* sp.**

Host: *Parabuteo unicinctus* (Temminck, 1824); *Bubo virginianus* (Gmelin, 1788).

Distribution in Peru: Ica, Lima.

Reference: Dale (1970); Gomez–Puerta and Lujan–Vega (2018).

***Machaerilaemus* Harrison, 1915**

Machaerilaemus laticarpus (Carriker, 1903)

Synonym: *Machaerilaemus icterus* Emerson, 1954; *Machaerilaemus insignis* Carriker, 1944; *Machaerilaemus latifrons* Harrison, 1915; *Machaerilaemus picturatus* Carriker, 1956; *Machaerilaemus poecilotis* Carriker, 1944.

Host: *Ochthoeca rufipectoralis* (d'Orbigny and Lafresnaye, 1837); *Pogonotriccus poecilotis* (Sclater, 1862); *Ramphocelus carbo* (Pallas, 1764); *Sporophila angolensis* (Linnaeus, 1766).

Distribution in Peru: Junín.

Reference: Carriker (1944c); Price et al. (2002).

Machaerilaemus maestus (Kellogg and Chapman, 1899)

Synonym: *Machaerilaemus atrocephalus* Carriker, 1944; *Machaerilaemus bolivianus* Carriker, 1944; *Machaerilaemus juninensis* Carriker, 1944; *Machaerilaemus melospizae* Emerson, 1954; *Machaerilaemus niethammeri* Eichler, 1956; *Machaerilaemus robertsi* Carriker, 1944; *Machaerilaemus submaestus* Emerson, 1947; *Machaerilaemus tachuris* Carriker, 1944.

Host: *Asthenes modesta* (Eyton, 1851); *Agriornis montanus* (d'Orbigny and Lafresnaye, 1837); *Muscisaxicola alpinus* (Jardine, 1849); *Pogonotriccus poecilotis*; *Polioxolmis rufipennis* (Taczanowski, 1874).

Distribution in Peru: Amazonas, Junín.

Reference: Carriker (1944c); Price et al. (2002).

***Machaerilaemus* sp.**

Host: *Thamnophilus caerulescens* Vieillot, 1816.

Distribution in Peru: Cusco.

Reference: Soto–Patiño et al. (2018).

***Menacanthus* Neumann, 1912**

Menacanthus distinctus (Kellogg and Chapman, 1899)

Host: *Myiarchus ferox* (Gmelin, 1789).

Distribution in Peru: unknown.

Reference: Price (1977).

Menacanthus eurysternus (Burmeister, 1838)

Synonym: *Menacanthus annulatus* (Giebel, 1874); *Menacanthus biaculeatus* (Picaglia, 1885); *Menacanthus biseriatus* (Piaget, 1880); *Menacanthus brelihi* Balát, 1981; *Menacanthus chabaroviensis* Fedorenko, 1978; *Menacanthus cornicis* Blagov., 1948; *Menacanthus dicruri* Eichler, 1947; *Menacanthus difficilis* (Carriker, 1903); *Menacanthus dubius* (Piaget, 1880); *Menacanthus festivus* Eichler and Zlotorzycza, 1963; *Menacanthus flavus* (Rudow, 1866); *Menacanthus fuscocinctus* (Denny, 1842); *Menacanthus germanus* (Piaget, 1880); *Menacanthus gracilis* (Piaget, 1880); *Menacanthus grandis* Fedorenko and Lunkaschu, 1987; *Menacanthus gulabimaina* Ansari, 1951; *Menacanthus himalayicus* Ansari, 1951; *Menacanthus inscitus* Zlotorzycza, 1965; *Menacanthus kevei* Sasvári–Schäfer, 1966; *Menacanthus meniscus* (Piaget, 1880); *Menacanthus microsceli* Uchida, 1926; *Menacanthus minusculus* Blagov., 1940; *Menacanthus monochromateus* (Kellogg and Paine, 1914); *Menacanthus mutabilis* Blagov., 1940; *Menacanthus parviceps* (Piaget, 1880); *Menacanthus parvulus* (Piaget, 1880); *Menacanthus persignatus* (Kellogg and Chapman, 1899); *Menacanthus pflgeri* Eichler, 1953; *Menacanthus pica* (Piaget, 1880); *Menacanthus pius* Eichler and Zlotorzycza, 1963; *Menacanthus polonicus* Eichler and Zlotorzycza, 1963; *Menacanthus pyrrhulae* (Panzer, 1798); *Menacanthus remizae* Blagov., 1940; *Menacanthus safedgal* Ansari, 1951; *Menacanthus schildmacheri* Eichler, 1953; *Menacanthus sittae* (Giebel, 1866); *Menacanthus spiniferus* (Piaget, 1885); *Menacanthus spinosus* (Piaget, 1880); *Menacanthus subspinosus* Uchida, 1926; *Menacanthus tibialis* (Piaget, 1885); *Menacanthus tichodromae* Rékási, 1995; *Menacanthus translucidus* (Piaget, 1885); *Menacanthus tristisi* Qadri, 1935; *Menacanthus turkmenicus* Fedorenko and Kekilova, 1978; *Menacanthus volkovi* Fedorenko, 1978; *Menacanthus wipszyckii* Eichler and Zlotorzycza, 1963.

Host: *Grallaria ruficapilla* Lafresnaye, 1842.

Distribution in Peru: unknown.

Reference: Price (1975).

Menacanthus exsanguis (Paine and Mann, 1913)

Synonym: *Menacanthus exsanguis malherbi* Carriker, 1967.

Host: *Campephilus melanoleucos* (Gmelin, 1788).

Distribution in Peru: Cajamarca.

Reference: Carriker and Emerson (1967a).

Menacanthus pici (Denny, 1842)

Synonym: *Menacanthus benii* Carriker, 1967; *Menacanthus bruneri* Carriker, 1967; *Menacanthus caquetae* Carriker, 1967; *Menacanthus ceophloeus ceophloeus* Carriker, 1967; *Menacanthus colaptis* (Durrant, 1908); *Menacanthus dryobates* (Eichler, 1953); *Menacanthus hoffmanni* Carriker, 1967; *Menacanthus koreae* Carriker, 1967; *Menacanthus picorum* (Eichler, 1953); *Menacanthus pitius* Carriker, 1967; *Menacanthus praecursor* (Kellogg, 1899); *Menacanthus punensis* Carriker, 1967; *Menacanthus quercus* Carriker, 1967.

Host: *Colaptes rupicola*.

Distribution in Peru: Cusco, Lima.

Reference: Carriker and Emerson (1967a); Gomez–Puerta and Cribillero (2015).

Menacanthus stramineus (Nitzsch, 1818)

Synonym: *Menacanthus biseriatus* (Piaget, 1880); *Menacanthus meleagridis* (Panzer, 1798); *Menacanthus zumpti* (Eichler, 1944).

Host: *Columba livia*; *Gallus gallus* (Linnaeus, 1758); *Meleagris gallopavo* Linnaeus, 1758.

Distribution in Peru: Lima.

Reference: Arnao (1951); Gonzalez et al. (1949); Naupay et al. (2015).

Menacanthus sp.

Host: *Myioborus miniatus* (Swainson, 1827); *Myiothlypis signata* Berlepsch and Stolzmann, 1906; *Turdus serranus* Tschudi, 1844.

Distribution in Peru: Cusco.

Reference: Soto–Patiño et al. (2018).

Menopon gallinae (Linnaeus, 1758)

Synonym: *Menopon brevipes* Piaget, 1885; *Menopon longicephalum* Kellogg, 1896; *Menopon lunanale* Eichler, 1947; *Menopon pallidum* (Nitzsch, 1818); *Menopon productum* Piaget, 1880; *Menopon subaequale productum* Piaget, 1885; *Menopon trigonocephalus* (Olfers, 1816).

Host: *Columba livia*; *Gallus gallus*; *Meleagris gallopavo*.

Distribution in Peru: Lima.

Reference: Arnao (1951); Castro et al. (2017); Vásquez et al. (1965).

Myrsidea Waterston, 1915

Myrsidea barbati Price, Hellenthal and Dalglish, 2005

Host: *Myiobius barbatus* (Gmelin, 1789).

Distribution in Peru: Loreto.

Reference: Price et al. (2005).

Myrsidea blattae Dalglish and Price, 2005

Host: *Schiffornis turdine* (Wied, 1831).

Distribution in Peru: Loreto.

Reference: Dalglish and Price (2005).

Myrsidea dacostai Price, Johnson and Dalglish, 2008

Host: *Thamnophilus doliatus* (Linnaeus, 1764).

Distribution in Peru: Loreto.

Reference: Price et al. (2008b).

Myrsidea daleclaytoni Valim and Cicchino, 2015

Host: *Cyanocorax violaceus* Du Bus de Gisignies, 1847.

Distribution in Peru: Madre de Dios.

Reference: Valim and Cicchino (2015).

Myrsidea dalglishi Valim, Price and Johnson, 2011

Host: *Glyphorhynchus spirurus* (Vieillot, 1819).

Distribution in Peru: Madre de Dios.

Reference: Valim et al. (2011).

Myrsidea devastator Ansari, 1956

Host: *Turdus serranus*.

Distribution in Peru: Amazonas, Piura.

Reference: Ansari (1956); Clay (1966).

Myrsidea downsi Clay, 1968

Host: *Psarocolius decumanus* (Pallas, 1769).

Distribution in Peru: unknown.

Reference: Clay (1968).

Myrsidea dorotheae Eichler, 1953

Host: *Pteroglossus azara* (Vieillot, 1819); *Pteroglossus inscriptus* Swainson, 1822.

Distribution in Peru: Loreto, Madre de Dios.

Reference: Price et al. (2004).

Myrsidea edgarsmithi Dalglish and Price, 2003

Host: *Lepidothrix coronate* Spix, 1825; *Manacus manacus* (Linnaeus, 1766); *Pipra filicauda* Spix, 1825.

Distribution in Peru: unknown.

Reference: Dalglish and Price (2003).

Myrsidea extranea (Carriker, 1903)

Host: *Ramphastos tucanus* Linnaeus, 1758; *Ramphastos ambiguus* Swainson, 1823.

Distribution in Peru: Huánuco, Loreto.

Reference: Price et al. (2004).

Myrsidea fallax Kéler, 1938

Host: *Cyanocorax cyanomelas* (Vieillot, 1818).

Distribution in Peru: Madre de Dios.

Reference: Valim and Cicchino (2015).

Myrsidea fasciata Sychra and Kounek, 2014

Host: *Campylorhynchus fasciatus* (Swainson, 1837).

Distribution in Peru: Huánuco.

Reference: Sychra et al. (2014).

Myrsidea flaviventris Price, Hellenthal and Dalglish, 2005

Host: *Tolmomyias flaviventris* (Wied, 1831).

Distribution in Peru: Loreto.

Reference: Price et al. (2005).

Myrsidea indigenella Ansari, 1956

Host: *Turdus maranonicus* Taczanowski, 1880.

Distribution in Peru: Cajamarca.

Reference: Ansari (1956); Clay (1966).

Myrsidea laciniata Clay, 1968

Host: *Cacicus uropygialis* Lafresnaye, 1843.

Distribution in Peru: Cajamarca.

Reference: Clay (1968).

Myrsidea markhafneri Price, Johnson and Dalglish 2008

Host: *Saltator grossus* (Linnaeus, 1766).

Distribution in Peru: Loreto.

Reference: Price et al. (2008a).

Myrsidea ochrolaemi Sychra, 2007

Host: *Automolus ochrolaemus* (Tschudi, 1844).

Distribution in Peru: Loreto, Madre de Dios.

Reference: Valim et al. (2011).

Myrsidea oleaginei Price, Hellenthal and Dalglish, 2005

Host: *Mionectes oleaginous* (Lichtenstein, 1823).

Distribution in Peru: Loreto, San Martín.

Reference: Price et al. (2005); Kolencik et al. (2018)

Myrsidea peruviana Eichler 1951

Host: *Ramphastos tucanus*.

Distribution in Peru: Loreto.

Reference: Price et al. (2004).

Myrsidea pitangi Price, Hellenthal and Dalglish, 2005

Host: *Pitangus sulphuratus* (Linnaeus, 1766).

Distribution in Peru: San Martín.

Reference: Kolencik et al. (2018).

Myrsidea ramphoceli Price and Dalglish, 2006

Host: *Ramphocelus carbo* (Pallas, 1764).

Distribution in Peru: Loreto.

Reference: Price and Dalglish (2006).

Myrsidea seminuda Eichler, 1951

Host: *Tangara episcopus* (Linnaeus, 1766).

Distribution in Peru: Huánuco.

Reference: Kolencik et al. (2017).

Myrsidea simplex Ansari, 1956

Host: *Catharus fuscater* (Lafresnaye, 1845).

Distribution in Peru: Puno.

Reference: Ansari (1956); Clay (1966).

Myrsidea strobilisternata Eichler, 1956

Host: *Lochmias nematura* (Lichtenstein, 1823).

Distribution in Peru: Cusco.

Reference: Valim et al. (2011).

Myrsidea tropicalis Clay, 1968

Host: *Psarocolius angustifrons* (von Spix, 1824).

Distribution in Peru: Cajamarca.

Reference: Clay (1968).

Myrsidea varia Ansari, 1956

Host: *Turdus ignobilis* Sclater, 1857.

Distribution in Peru: unknown.

Reference: Ansari (1956); Clay (1966).

Myrsidea sp.

Host: *Arremon taciturnus* (Hermann, 1783); *Automolus ochrolaemus* (Tschudi, 1844); *Automolus subulatus* (Spix, 1824); *Buthraupis montana* (d'Orbigny and Lafresnaye, 1837); *Catharus ustulatus* (Nuttall, 1840); *Chamaeza campanisona* (Lichtenstein, 1823); *Chiroxiphia boliviana* Allen, 1889; *Chlorochrysa calliparaea* (Tschudi, 1844); *Chlorornis riefferii* (Boissonneau, 1840); *Chlorospingus flavigularis* (Sclater, 1852); *Chlorospingus flavopectus* (Lafresnaye, 1840); *Chlorospingus parvirostris* Chapman, 1901; *Cinclodes nigrofumosus* (d'Orbigny and Lafresnaye, 1838); *Clibanornis rubiginosus* (Sclater, 1857); *Coereba flaveola* (Linnaeus, 1758); *Diglossa brunneiventris* Lafresnaye, 1846; *Diglossa cyanea* (Lafresnaye, 1840); *Diglossa glauca* Sclater and Salvin, 1876; *Diglossa mystacalis* Lafresnaye, 1846; *Dysithamnus mentalis* (Temminck, 1823); *Entomodestes leucotis* (Tschudi, 1844); *Eubucco versicolor* (Müller, 1776); *Euphonia xanthogaster* Sundevall, 1834; *Glyphorhynchus spirurus* (Vieillot, 1819); *Grallaricula flavirostris* (Sclater, 1858); *Henicorhina leucophrys* (Tschudi, 1844); *Iridosornis analis* (Tschudi, 1844); *Iridosornis jelskii* (Cabanis, 1873); *Lepidothrix coeruleocapilla* Tschudi, 1844; *Leptopogon amaurocephalus* Tschudi, 1846; *Leptopogon superciliaris* Tschudi, 1844; *Mimus longicaudatus* Tschudi, 1844; *Mionectes oleaginous*; *Mionectes olivaceus* Lawrence, 1868; *Mionectes striaticollis* (d'Orbigny and Lafresnaye, 1837); *Myadestes ralloides* (d'Orbigny, 1840); *Myioborus miniatus* (Swainson, 1827); *Myiothlypis bivittata* (d'Orbigny and Lafresnaye, 1837); *Myiothlypis coronata* (Tschudi, 1844); *Myiothlypis luteoviridis* (Bonaparte, 1845); *Myiothlypis signata* Berlepsch and Stolzmann, 1906; *Myiotriccus ornatus* (Lafresnaye, 1853); *Phlegopsis nigromaculata* (d'Orbigny and Lafresnaye, 1837); *Pogonotriccus ophthalmicus* (Taczanowski, 1874); *Phylloscartes poecilotis* (Sclater, 1862); *Pipra fasciicauda* Hellmayr, 1906; *Pipreola intermedia* Taczanowski, 1884; *Pipreola pulchra* (Hellmayr, 1917); *Piranga leucoptera* Trudeau, 1839; *Premnoplex brunnescens* (Sclater, 1856); *Ramphocelus carbo*; *Rhegmatorhina melanosticta* (Sclater and Salvin, 1880); *Silvicultrix frontalis* (Lafresnaye, 1847); *Silvicultrix pulchella* (Sclater and Salvin, 1876); *Sphenopsis melanotis* (Sclater, 1855); *Spinus magellanicus* (Vieillot, 1805); *Sporathraupis cyanocephala* (d'Orbigny and Lafresnaye, 1837); *Sporophila nigricollis* (Vieillot, 1823); *Syndactyla ucayalae* (Chapman, 1928); *Tangara arthus* Lesson, 1832; *Tangara chilensis* (Vigors, 1832); *Tangara cyanicollis* (d'Orbigny and Lafresnaye, 1837); *Tangara gyrola* (Linnaeus, 1758); *Tangara punctata* (Linnaeus, 1766); *Tangara schrankii* (Spix, 1825); *Thripadectes holostictus* (Sclater and Salvin, 1876); *Thripadectes melanorhynchus* (Tschudi, 1844); *Trichothraupis melanops* (Vieillot, 1818); *Turdus fuscater* Lafresnaye and d'Orbigny, 1837; *Turdus leucops* (Taczanowski, 1877); *Turdus serranus*.

Distribution in Peru: Cusco, Huánuco, Lima, San Martín.

Reference: Dale (1970); Kolencik et al. (2017); Soto–Patiño et al. (2018).

Osborniella Thompson, 1948***Osborniella sulcirostris*** Wiseman, 1963

Host: *Crotophaga sulcirostris* Swainson, 1827.

Distribution in Peru: Lima.

Reference: Dale (1970).

Piagetiella* Neumann, 1906**Piagetiella chilensis*** (Grosse, 1885)

Host: *Pelecanus thagus*.

Distribution in Peru: Ica.

Reference: Dale (1970).

Piagetiella transitans (Ewing, 1930)

Synonym: *Piagetiella titschacki* (Eichler, 1941).

Host: *Leucocarbo bougainvilliorum*.

Distribution in Peru: Lima.

Reference: Dale (1970).

***Piagetiella* sp.**

Host: *Leucocarbo bougainvilliorum*; *Pelecanus thagus*; *Poikilocarbo gaimardi*.

Distribution in Peru: Ancash, Lima.

Reference: Dale (1970); Vásquez and Chávez (1960).

***Plegadiphilus* Bedford, 1939**

***Plegadiphilus* sp.**

Host: *Plegadis ridgwayi*.

Distribution in Peru: Junín.

Reference: Dale (1970).

***Pseudomenopon* Mjöberg, 1910**

Pseudomenopon dolium (Rudow, 1869)

Synonym: *Pseudomenopon insolens frescai* Eichler, 1952; *Pseudomenopon janiszewskae* Lucinska, 1969; *Pseudomenopon stuchlyi* Lucinska, 1969; *Pseudomenopon tridens insolens* (Kellogg, 1896); *Pseudomenopon tridens par* (Kellogg, 1896).

Host: *Podiceps taczanowskii* Berlepsch and Stolzmann, 1894.

Distribution in Peru: Junín.

Reference: Price (1974).

Pseudomenopon pilosum (Scopoli, 1763)

Synonym: *Pseudomenopon brazi* Tendeiro, 1965; *Pseudomenopon delicatulum* (Piaget, 1880); *Pseudomenopon jacintoi* Tendeiro, 1965; *Pseudomenopon scitum* (Piaget, 1880); *Pseudomenopon thompsoni* Eichler, 1937; *Pseudomenopon tridens* (Burmeister, 1838); *Pseudomenopon zlotorzyskae* Lucinska, 1969.

Host: *Fulica americana* Gmelin, 1789; *Fulica ardesiaca* Tschudi, 1843; *Fulica gigantea* Eydoux and Souleyet, 1841.

Distribution in Peru: Junín.

Reference: Dale (1970).

Remark: Dale (1970) records *Pseudomenopon pilosum* in *F. americana*. At present this bird has no distribution in Peru; probably it was still present in Peru in 1970. It is also mentioned in *Gallinula chloropus* (Linnaeus, 1758), but this is probably a mistake and actually refers to *Gallinula galeata* (Lichtenstein, 1818) because *G. chloropus* is distributed in the paleotropics and *G. galeata* in the neotropics.

***Psittacobrosus* Carriker, 1954**

Psittacobrosus amazonicus Carriker, 1963

Host: *Amazona amazonica* (Linnaeus, 1766), *Pionus menstruus* (Linnaeus, 1766).

Distribution in Peru: Lima.

Reference: Price and Beer (1968); Gomez–Puerta and Lujan–Vega (2018).

Psittacobrosus brotogerisi Price and Beer, 1968

Host: *Forpus coelestis* (Lesson, 1847).

Distribution in Peru: unknown.

Reference: Price and Beer (1968).

Psittacobrosus burmeisteri (Kellogg, 1906)

Host: *Ara macao* (Linnaeus, 1758).

Distribution in Peru: Lima.

Reference: Gomez–Puerta and Lujan–Vega (2018).

Psittacobrosus forpi Carriker, 1954

Synonym: *Psittacobrosus burhinoides* (Carriker, 1963).

Host: *Forpus coelestis*.

Distribution in Peru: unknown.

Reference: Price and Beer (1968).

***Ramphasticolla* Carriker 1949**

Ramphasticolla hirsuta Carriker Jr., 1949

Host: *Ramphastos cuvieri* Wagler, 1827.

Distribution in Peru: Loreto.

Reference: Hellenthal et al. (2005).

Ramphasticolla moylei Hellenthal, Price and Weckstein, 2005

Host: *Ramphastos cuvieri* Wagler, 1827.

Distribution in Peru: Loreto.

Reference: Hellenthal et al. (2005).

***Trinoton* Nitzsch, 1818**

***Trinoton* sp.**

Host: *Anas bahamensis* Linnaeus, 1758.

Distribution in Peru: Lima.

Reference: Dale (1970).

Family Ricinidae Neumann, 1890

***Ricinus* De Geer, 1778**

Ricinus frenatus (Burmeister, 1838).

Host: *Lathrotriccus griseipectus* (Lawrence, 1870); *Philydor erythrocerum* (Pelzeln, 1859).

Distribution in Peru: Huánuco.

Reference: Príncipe et al. (2020).

Ricinus tanagraephilus Eichler, 1956

Host: *Euphonia laniirostris* d'Orbigny and Lafresnaye, 1837.

Distribution in Peru: unknown.

Reference: Valan et al. (2016).

***Ricinus* sp.**

Host: *Anabacerthia striaticollis* Lafresnaye, 1840; *Atlapetes melanolaemus* (Sclater and Salvin, 1879); *Chiroxiphia boliviana*; *Conirostrum albifrons* Lafresnaye, 1842; *Diglossa glauca*; *Euphonia mesochrysa* Salvadori, 1873; *Thlypopsis superciliaris* (Lafresnaye, 1840); *Lepidothrix coeruleocapilla*; *Machaeropterus pyrocephalus* (Sclater, 1852); *Myioborus miniatus*; *Myiophobus inornatus* Carriker, 1932; *Myiothlypis bivittate* (d'Orbigny and Lafresnaye, 1837); *Myiothlypis luteoviridis* (Bonaparte, 1845); *Myiothlypis signata* Berlepsch and Stolzmann, 1906; *Rhegmatorhina melanosticta*; *Sciaphylax hemimelaena* (Sclater, 1857); *Sphenopsis melanotis*; *Thlypopsis ruficeps* (d'Orbigny and Lafresnaye, 1837); *Turdus serranus*.

Distribution in Peru: Cusco.
Reference: Soto–Patiño et al. (2018).

***Trochiliphagus* Carriker, 1960**

Trochiliphagus peruanus Carriker, 1960
Host: *Adelomyia melanogenys* (Fraser, 1840).
Distribution in Peru: Cajamarca.
Reference: Carriker (1960).

***Trochiliphagus* sp.**

Host: *Amazilia amazilia* (Lesson, 1827); *Thalurania furcate* (Gmelin, 1788).
Distribution in Peru: Cusco, Ica.
Reference: Dale (1970); Soto–Patiño et al. (2018).

***Trochiloecetes* Paine and Mann, 1913**

Trochiloecetes complexus Carriker, 1960
Host: *Glaucis hirsute* (Gmelin, 1788).
Distribution in Peru: San Martín.
Reference: Carriker (1960).

Trochiloecetes fasciatus Carriker, 1960
Host: *Lesbia nuna* (Lesson, 1832).
Distribution in Peru: Cajamarca.
Reference: Carriker (1960).

Trochiloecetes illumani Carriker, 1960
Host: *Threnetes leucurus* (Linnaeus, 1766).
Distribution in Peru: Huánuco.
Reference: Príncipe et al. (2020).

Trochiloecetes mandibularis Carriker, 1960
Host: *Threnetes leucurus*.
Distribution in Peru: San Martín.
Reference: Carriker (1960).

Trochiloecetes rhodopis Carriker, 1960
Host: *Rhodopis vesper* (Lesson, 1829).
Distribution in Peru: Ica.
Reference: Carriker (1960).

Trochiloecetes simplex Carriker, 1960
Host: *Amazilia amazilia*
Distribution in Peru: Ica
Reference: Carriker (1960)

***Trochiloecetes* sp.**

Host: *Coeligena violifer* (Gould, 1846).
Distribution in Peru: Cusco.
Reference: Soto–Patiño et al. (2018).

Suborder Ischnocera Kellogg, 1896

Family Philopteridae Burmeister, 1838

***Acutifrons* Guimarães, 1942**

***Acutifrons megalopterus* Carriker, 1956**

Host: *Phalcoboenus albogularis*.

Distribution in Peru: Lima.

Reference: Carriker (1956).

***Alcedoffula* Clay and Meinertzhagen, 1939**

***Alcedoffula theresae* Tendeiro, 1967**

Host: *Megaceryle torquata* (Linnaeus, 1766).

Distribution in Peru: Loreto.

Reference: Gomez–Puerta and Cribillero (2015).

***Anaticola* Clay, 1936**

***Anaticola phoenicopteri* (Coinde, 1859)**

Synonym: *Anaticola subsignatus* (Giebel, 1866); *Anaticola trapezoideus* (Rudow, 1869)

Host: *Phoenicopterus chilensis*.

Distribution in Peru: Lima.

Reference: Dale (1970).

***Anaticola* sp.**

Host: *Anas flavirostris* Vieillot, 1816; *Anas georgica* Gmelin, 1789; *Spatula versicolor* (Vieillot, 1816); *Chloephaga melanoptera*; *Oxyura ferrugine* (Eyton, 1838).

Distribution in Peru: Junín.

Reference: Dale (1970).

***Ardeicola* Clay, 1936**

***Ardeicola expallidus* Blagov., 1940**

Synonym: *Ardeicola albulus* Eichler, 1948; *Ardeicola gaibagla* Ansari, 1947

Host: *Bubulcus ibis*.

Distribution in Peru: Junín.

Reference: Dale (1970); Dourojeanni et al. (1968).

***Ardeicola goisagi* Uchida, 1954**

Host: *Nycticorax nycticorax*.

Distribution in Peru: Junín.

Reference: Dale (1970).

***Ardeicola ovisignatus* Eichler, 1953**

Host: *Plegadis ridgwayi*.

Distribution in Peru: Junín.

Reference: Dale (1970).

***Austrophilopterus* Ewing, 1929**

***Austrophilopterus andigenae* Carriker, 1950**

Host: *Andigena hypoglauca* (Gould, 1833).

Distribution in Peru: Junín.

Reference: Carriker (1950a).

***Austrophilopterus cancellosus* (Carriker, 1903)**

Host: *Pteroglossus azara*; *Pteroglossus castanotis* Gould, 1834; *Ramphastos ambiguus*; *Ramphastos cuvieri*.

Distribution in Peru: Cajamarca, Huánuco, Junín, Loreto, Madre de Dios, Puno.

Reference: Carriker (1950a); Price and Weckstein (2005).

***Austrophilopterus flavirostris* Carriker, 1950**

Host: *Pteroglossus azara*; *Pteroglossus castanotis*.

Distribution in Peru: Amazonas, Loreto.

Reference: Price and Weckstein (2005).

***Austrophilopterus truncatus* (Piaget, 1888)**

Synonym: *Austrophilopterus spinosus subspinosus* Carriker, 1950.

Host: *Aulacorhynchus atrogularis* (Strum, 1841); *Aulacorhynchus coeruleicinctis* d'Orbigny, 1840; *Aulacorhynchus derbianus* Gould, 1835; *Aulacorhynchus prasinus* (Gould, 1834).

Distribution in Peru: Cajamarca, Cusco, Junín, Madre de Dios, Pasco, San Martín, Puno.

Reference: Carriker (1950a); Price and Weckstein (2005).

***Bizarrifrons* Eichler, 1938**

***Bizarrifrons latifrons* Valim and Palma, 2012**

Host: *Psarocolius angustifrons*.

Distribution in Peru: Cusco.

Reference: Valim and Palma (2012).

***Bizarrifrons magus* Valim and Palma 2012**

Host: *Psarocolius decumanus*.

Distribution in Peru: Madre de Dios.

Reference: Valim and Palma (2012).

***Bizarrifrons quasisymmetricus* Valim and Palma 2012**

Host: *Cacicus solitarius* Vieillot, 1816.

Distribution in Peru: Cusco.

Reference: Valim and Palma (2012).

***Brueelia* Kéler, 1936**

***Brueelia brunneinucha* Cicchino, 1983**

Synonym: *Brueelia polyglotta* Williams, 1983.

Host: *Mimus longicaudatus*.

Distribution in Peru: Tumbes.

Reference: Gomez–Puerta and Cribillero (2015).

***Brueelia cicchinoi* Valim and Weckstein 2011**

Host: *Trogon collaris* Vieillot, 1817.

Distribution in Peru: Madre de Dios.

Reference: Valim and Weckstein (2011).

***Brueelia* sp.**

Host: *Baryphthengus martii* (Spix, 1824); *Catharus ustulatus*; *Entomodestes leucotis*; *Iridosornis analis*; *Myadestes ralloides*; *Saltator maximus* (Müller, 1776); *Tangara cyanicollis*; *Turdus serranus*.

Distribution in Peru: Cusco.

Reference: Soto–Patiño et al. (2018).

***Campanulotes* Kéler, 1939**

***Campanulotes bidentatus* (Scopoli, 1763)**

Host: *Columba livia*.

Distribution in Peru: unknown.

Reference: Arnao (1951).

***Campanulotes compar* (Burmeister, 1838)**

Synonym: *Campanulotes formosanus* (Sugimoto, 1929).

Host: *Columba livia*.

Distribution in Peru: Lima.

Reference: Dale (1970); Príncipe et al. (2020).

***Carduiceps* Clay and Meinertzhagen, 1939**

***Carduiceps zonarius* (Nitzsch 1866)**

Synonym: *Carduiceps complexivus* (Kellogg and Chapman, 1899).

Host: *Calidris alba*.

Distribution in Peru: Ica.

Reference: Dale (1970).

***Carduiceps* sp.**

Host: *Calidris alba*.

Distribution in Peru: Ica.

Reference: Dale (1970).

***Chelopistes* Kéler, 1939**

***Chelopistes jacquacu* (Carriker, 1967)**

Synonym: *Trichodomedea jacquacu* Carriker, 1967.

Host: *Penelope jacquacu*.

Distribution in Peru: unknown.

Reference: Carriker and Emerson (1967b).

***Chelopistes latafrons* (Carriker, 1945)**

Synonym: *Chelopistes latafrons crassus* Carriker, 1945; *Chelopistes latafrons grandis* Carriker, 1945; *Chelopistes latafrons intermedius* Carriker, 1945; *Chelopistes latafrons mira* Carriker (Carriker, 1967); *Chelopistes latafrons subsimilis* Carriker (Carriker, 1945); *Trichodomedea latafrons* Carriker, 1945.

Host: *Ortalis guttata* (Spix, 1825).

Distribution in Peru: Puno.

Reference: Carriker (1945b).

Chelopistes meleagridis (Linnaeus, 1758)

Synonym: *Chelopistes stylifer* (Nitzsch, 1818); *Chelopistes styliferum* (Taschenberg, 1882).

Host: *Meleagris gallopavo*.

Distribution in Peru: Tumbes.

Reference: Gomez–Puerta and Cribillero (2015).

Chelopistes peruviana (Carriker, 1967)

Synonym: *Trichodomea peruviana* Carriker, 1967.

Host: *Odontophorus speciosus*.

Distribution in Peru: unknown.

Reference: Carriker and Emerson (1967b).

Columbicola Ewing, 1929

Columbicola adamsi Clayton and Price, 1999

Host: *Patagioenas plumbea* Vieillot, 1818.

Distribution in Peru: unknown.

Reference: Clayton and Price (1999).

Columbicola altamimiae Clayton and Price, 1999

Host: *Metriopelia aymara*.

Distribution in Peru: Arequipa, Junín.

Reference: Clayton and Price (1999).

Columbicola columbae (Linnaeus, 1758)

Host: *Columba livia*; *Gallus gallus*.

Distribution in Peru: La Libertad, Lima.

Reference: Gonzales et al. (1949); Vásquez et al. (1965); Castro et al. (2017); Príncipe et al. (2020).

Columbicola extinctus Malcomson, 1937

Host: *Patagioenas fasciata* Say, 1823.

Distribution in Peru: unknown.

Reference: Clayton and Price (1999).

Columbicola gracilicapitis Carriker, 1955

Host: *Leptotila verreauxi* Bonaparte, 1855.

Distribution in Peru: unknown.

Reference: Clayton and Price (1999).

Columbicola gymnopeliae Eichler, 1953

Host: *Metriopelia ceciliae* (Lesson, 1845).

Distribution in Peru: unknown.

Reference: Clayton and Price (1999).

Columbicola macrourae (Wilson, 1941)

Synonym: *Columbicola pseudolipeurusque* Eichler, 1952.

Host: *Patagioenas subvinacea* (Lawrence, 1868) *Geotrygon montana* (Linnaeus, 1758)

Distribution in Peru: unknown.

Reference: Clayton and Price (1999).

***Columbicola* sp.**

Host: *Geotrygon montana*.

Distribution in Peru: Cusco.

Reference: Soto–Patiño et al. (2018).

***Cotingacola* Carriker, 1956**

***Cotingacola fitzpatricki* Clayton and Price (1998)**

Host: *Snowornis subalaris* Sclater, 1861.

Distribution in Peru: Madre de Dios.

Reference: Clayton and Price (1998).

***Cotingacola parmipapillae* Carriker, 1956**

Host: *Cephalopterus ornatus* Geoffroy Saint–Hilaire, 1809.

Distribution in Peru: Cusco.

Reference: Valim and Weckstein (2012).

***Cotingacola rupicolae* Carriker, 1956**

Synonym: *Cotingacola latigastra* Carriker, 1956; *Cotingacola longicrucis* Carriker, 1956;

Cotingacola rupicolae colombiana Carriker, 1956; *Cotingacola temporalis* Carriker, 1956

Host: *Rupicola peruvianus* (Latham, 1790).

Distribution in Peru: unknown.

Reference: Clayton and Price (1998).

***Cotingacola stotzi* Clayton and Price (1998)**

Host: *Querula purpurata* (Müller, 1776).

Distribution in Peru: Madre de Dios.

Reference: Clayton and Price (1998).

***Cuclotocephalus* Carriker, 1936**

***Cuclotocephalus extraneus* Carriker, 1936**

Synonym: *Cuclotocephalus extraneus ornatus* Carriker, 1944.

Host: *Nothoprocta ornata* (Gray, 1867).

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Cuclotocephalus secundus* Carriker, 1936**

Synonym: *Cuclotocephalus secundus incachacae* Carriker, 1944.

Host: *Nothoprocta pentlandi*.

Distribution in Peru: Lima.

Reference: Carriker (1936).

***Degeeriella* Neumann, 1906**

***Degeeriella fulva* (Giebel, 1874)**

Synonym: *Degeeriella angusta* (Giebel, 1874); *Degeeriella borealis* Carriker, 1956; *De-*

geeriella flavida (Giebel, 1874); *Degeeriella fusca* (Nitzsch, 1861); *Degeeriella genitalis*

Carriker, 1956; *Degeeriella giebeli* Hopkins, 1947.

Host: *Geranoaetus polyosoma* (Quoy and Gaimard, 1824).

Distribution in Peru: Lima.

Reference: Dale (1970).

***Formicaphagus* Carriker, 1957**

***Formicaphagus arnoldi* Price and Clayton, 1997**

Host: *Conopophaga ardesiaca* d'Orbigny and Lafresnaye, 1837.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1996).

***Formicaphagus clypeatus* Carriker, 1957**

Host: *Myrmelastes leucostigma* (Pelzeln, 1868).

Distribution in Peru: unknown.

Reference: Price and Clayton (1996).

***Formicaphagus donpetersi* Price and Clayton (1997)**

Host: *Conopophaga ardesiaca*.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1996).

***Formicaphagus picturatus* Carriker, 1957**

Synonym: *Formicaphagus laemostictus* Carriker, 1957; *Formicaphagus latifrons* Carriker, 1957; *Formicaphagus peruvianus* Carriker, 1957.

Host: *Myrmotherula schisticolor* (Lawrence, 1865).

Distribution in Peru: Pasco.

Reference: Carriker (1957).

***Formicaphagus pittasomae* Carriker 1957**

Host: *Myrmothera campanisona* (Hermann, 1783).

Distribution in Peru: unknown.

Reference: Price and Clayton (1996).

***Formicaphagus thamnophili* Cicchino and Valim, 2008**

Host: *Thamnophilus ruficapillus* Vieillot, 1816.

Distribution in Peru: unknown.

Reference: Cicchino and Valim (2008).

***Formicaphagus* sp.**

Host: *Dysithamnus mentalis*; *Myrmoborus myotherinus* (Spix, 1825); *Pyriglena leuconota* (Spix, 1824); *Thamnophilus caerulescens*.

Distribution in Peru: Cusco.

Reference: Soto-Patiño et al. (2018).

***Formicaricola* Carriker, 1957**

***Formicaricola analoides* Carriker, 1957**

Synonym: *Formicaricola beni* Carriker, 1957; *Formicaricola chocoana* Carriker, 1957;

Formicaricola colmae Carriker, 1957; *Formicaricola costaricensis* Carriker, 1957;

Formicaricola mexicana Carriker, 1957; *Formicaricola sanctaemartae* Carriker, 1957.

Host: *Formicarius rufipectus* Salvin, 1866.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1995a).

***Fulicoffula* Clay and Meinertzhagen, 1938**

***Fulicoffula gallinula* Carriker, 1953**

Host: *Gallinula* sp.

Distribution in Peru: Junín.

Reference: Carriker (1953)

Remark: this louse was recorded by Carriker (1953) as *Gallinula chloropus* (Linnaeus, 1758), but as this bird is only found in the paleotropics, there was probably an identification error, and it is *Gallinula galeata* (Lichtenstein, 1818).

***Fulicoffula heliornis* Carriker, 1953**

Host: *Heliornis fulica* (Boddaert, 1783).

Distribution in Peru: Junín.

Reference: Carriker (1953).

***Fulicoffula* sp.**

Host: *Gallinula* sp.

Distribution in Peru: Junín.

Reference: Dale (1970).

Remark: this louse was recorded in *Gallinula chloropus* by Dale (1970), but this bird is only found in the palaeotropics. Therefore, this was probably an error of identification, and it is *Gallinula galeata*.

***Furnariphilus* Price and Clayton, 1995**

***Furnariphilus griffithsi* Price and Clayton, 1995**

Host: *Sclerurus mexicanus* Sclater, 1857.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1995b).

***Furnariphilus pagei* Price and Clayton, 1995**

Host: *Furnarius leucopus* Swainson, 1837.

Distribution in Peru: Cusco.

Reference: Price and Clayton (1995b).

***Furnariphilus parkeri* Price and Clayton, 1995**

Host: *Sclerurus caudacutus* (Vieillot, 1816).

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton, (1995b).

***Furnariphilus* sp.**

Host: *Synallaxis azarae* d'Orbigny, 1835; *Thripadectes holostictus*.

Distribution in Peru: Cusco.

Reference: Soto-Patiño et al. (2018).

***Goniocotes* Burmeister, 1838**

***Goniocotes* sp.**

Host: *Columbia livia*.

Distribution in Peru: Lima.

Reference: Castro et al. (2017).

***Goniodes* Nitzsch, 1818**

Goniodes gigas (Taschenberg, 1879)

Synonym: *Goniodes abdominalis* (Piaget, 1880); *Goniodes hologaster* (Denny, 1842).

Host: *Columbia livia*, *Gallus gallus*.

Distribution in Peru: Lima.

Reference: Arnao (1951); Castro et al. (2017).

***Halipeurus* Thompson, 1936**

Halipeurus (Halipeurus) diversus (Kellogg, 1896)

Synonym: *Halipeurus constrictiventris* (Pessoa and Guimarães, 1935); *Halipeurus hanaki* Balát, 1958; *Halipeurus limitatus* (Kellogg, 1896a).

Host: *Ardena grisea* (Gmelin, 1789).

Distribution in Peru: Piura.

Reference: Dale (1970).

***Harrisoniella* Bedford, 1929**

Harrisoniella ferox (Giebel, 1867)

Synonym: *Harrisoniella chilensis* Carriker, 1964; *Harrisoniella irroratae* (Kéler, 1957).

Host: *Phoebastria irrorata* (Salvin, 1883).

Distribution in Peru: Piura.

Reference: Dale (1970).

***Heptapsogaster* Carriker, 1936**

Heptapsogaster mandibularis Carriker, 1936

Host: *Crypturellus soui* (Hermann, 1783); *Crypturellus undulatus* (Temminck, 1815).

Distribution in Peru: Cajamarca, Pasco.

Reference: Carriker (1944a).

Heptapsogaster teres (Clay, 1937)

Synonym: *Rhynchothura teres* Clay, 1937.

Host: *Nothura maculosa* (Temminck, 1815).

Distribution in Peru: unknown.

Reference: Clay (1937).

Heptapsogaster tessellatus Carriker, 1936

Synonym: *Heptapsogaster tessellatus ecuadoranus* (Carriker, 1961).

Host: *Nothoprocta curvirostris* Sclater and Salvin, 1873; *Nothoprocta ornate*.

Distribution in Peru: La Libertad, Puno.

Reference: Carriker (1936).

Heptapsogaster testudo Clay, 1937

Synonym: *Heptapsogaster heterurus* (Carriker, 1944).

Host: *Nothura maculosa*.

Distribution in Peru: unknown.

Reference: Clay (1937).

Remark: it is likely that *N. maculosa* was still distributed in Peru in 1937, however, at present only *Nothura darwinii* Gray, 1867 is found in Peru.

***Ibidoecus* Cummings, 1916**

***Ibidoecus plegadii* Carriker, 1947**

Host: *Plegadis ridgwayi*.

Distribution in Peru: Junín.

Reference: Carriker (1947); Dale (1970).

***Ibidoecus* sp.**

Host: *Plegadis ridgwayi*.

Distribution in Peru: Junín.

Reference: Dale (1970).

***Kelloggia* Carriker, 1903**

***Kelloggia coniceps* (Taschenberg, 1882).**

Synonym: *Austrokelloggia coniceps* (Carriker, 1936); *Hypocryptus coniceps* Carriker, 1936

Host: *Crypturellus soui*, *Crypturellus obsoletus* (Temminck, 1815).

Distribution in Peru: Cajamarca.

Reference: Carriker (1936).

***Kelloggia intermedius* (Carriker, 1936)**

Synonym: *Austrokelloggia intermedia* Carriker, 1936.

Host: *Nothocercus nigrocapillus* (G. R. Gray, 1867).

Distribution in Peru: Amazonas, Junín.

Reference: Carriker (1936).

***Kelloggia latithorax* Carriker, 1936**

Synonym: *Kelloggia brevipes chochoensis* Carriker, 1944; *Kelloggia brevipes taoi* Carriker, 1944; *Kelloggia brevipes venezolensis* Carriker, 1958.

Host: *Crypturellus obsoletus*.

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Lamprocorpus* Carriker, 1936**

***Lamprocorpus hirsutus* Carriker, 1936**

Host: *Nothoprocta ornata*.

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Lamprocorpus spinosus* Carriker, 1936**

Host: *Nothoprocta pentlandii*.

Distribution in Peru: Lima.

Reference: Carriker (1936).

***Lipeurus* Nitzsch, 1818**

***Lipeurus caponis* (Linnaeus, 1758)**

Synonym: *Lipeurus antennatus* Piaget, 1885; *Lipeurus bakeri* Carriker, 1956; *Lipeurus caponis borcherti* Eichler, 1953; *Lipeurus dovei* McGregor, 1918; *Lipeurus lineatus* McGregor, 1917; *Lipeurus tessellatus* (Denny, 1842); *Lipeurus variabilis* Burmeister, 1838

Host: *Columba livia*; *Gallus gallus*.

Distribution in Peru: Lima.

Reference: Arnao (1951); Naupay et al. (2015).

***Lipeurus* sp.**

Host: *Meleagris gallopavo*.

Distribution in Peru: unknown.

Reference: Vásquez et al. (1965).

***Lunaceps* Clay and Meinertzhagen, 1939**

***Lunaceps actophilus* (Kellogg and Chapman, 1899)**

Host: *Calidris alba*.

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

***Lunaceps incoenis* (Kellogg and Chapman, 1899)**

Synonym: *Lunaceps husainii* Ansari, 1955.

Host: *Calidris mauri*.

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

***Lunaceps rothkoi* Gustafsson and Olsson, 2012**

Host: *Calidris pusilla*.

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

***Lunaceps superciliosus* Gustafsson and Olsson, 2012**

Host: *Calidris pusilla*.

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

***Lunaceps* sp.**

Host: *Calidris alba*; *C. canutus*.

Distribution in Peru: Ica.

Reference: Dale (1970); Tavera et al. (2019).

***Mayriphlopterus* Mey, 2004**

***Mayriphlopterus brevicephalus* Mey, 2004**

Host: *Jacamerops aureus* (Müller, 1776).

Distribution in Peru: Pasco.

Reference: Mey (2004).

***Mayriphlopterus ernsti* Mey, 2004**

Host: *Glyphorhynchus spirurus* (Vieillot, 1819); *Lathrotriccus griseipectus*; *Monasa morphoeus* (Hahn and Küster, 1823); *Philydor erythrocercum*; *Willisornis poecilinotus* (Cabanis, 1847).

Distribution in Peru: Huánuco, Pasco.

Reference: Mey (2004); Príncipe et al. (2020).

***Mayriphlopterus galbulicus* Mey, 2004**

Host: *Galbula cyanescen* Deville, 1849.

Distribution in Peru: Pasco.

Reference: Mey (2004).

***Megaginus* Carriker, 1936**

***Megaginus emarginatus* Carriker, 1936**

Synonym: *Megaginus e. caquetensis* Carriker, 1955; *Megaginus e. dissimilis* Carriker, 1944; *Megaginus e. excavatus* Carriker, 1944; *Megaginus e. lataclypeus* Carriker, 1944; *Megaginus quadrithorax* Carriker, 1936.

Host: *Crypturellus soui*; *Crypturellus obsoletus*.

Distribution in Peru: Cajamarca, Junín, Puno.

Reference: Carriker (1936); Carriker (1944a).

***Megapeostus* Carriker, 1936**

***Megapeostus asymmetricus* Carriker, 1936**

Host: *Tinamus major* (Gmelin, 1789).

Distribution in Peru: unknown.

Reference: Clay (1937).

***Megapeostus platycephalus* (Carriker, 1936)**

Synonym: *Heptapsogaster platycephalus platycephalus* Carriker, 1936; *Megapeostus platycephalus soui* Carriker, 1936.

Host: *Crypturellus soui*.

Distribution in Peru: San Martín.

Reference: Carriker (1936).

***Muldicola* Clay and Meinertzhagen, 1938**

***Muldicola nacunda* Carriker, 1945**

Synonym: *Muldicola nacunda peruvianus* Carriker, 1945.

Host: *Rupornis magnirostris* (Gmelin, 1788).

Distribution in Peru: Junín.

Reference: Carriker (1945a); Valim and Kuabara (2015).

***Neopsittaconirmus* Conci, 1942**

***Neopsittaconirmus gracilis* Guimarães, 1974**

Host: *Melopsittacus undulatus* (Shaw, 1805).

Distribution in Peru: Lima.

Reference: Gomez–Puerta and Lujan–Vega (2018).

***Nothocotus* Carriker, 1936**

***Nothocotus subsimilis* Carriker, 1936**

Host: *Nothocercus nigrocapillus*.

Distribution in Peru: Amazonas.

Reference: Carriker (1936).

***Oxylipeurus* Mjöberg, 1910**

***Oxylipeurus chiniri* Carriker, 1944**

Synonym: *Oxylipeurus c. variegatus* Carriker, 1944; *Oxylipeurus c. vetulae* Carriker, 1944.

Host: *Ortalis guttata*.

Distribution in Peru: Pasco.

Reference: Carriker (1944b).

Oxylipeurus polytrapezius (Burmeister, 1838)
Synonym: *Oxylipeurus gallipavonis* (Harrison, 1916).
Host: *Meleagris gallopavo*.
Distribution in Peru: unknown.
Reference: Vásquez et al. (1965).

Paragoniocotes Cummings, 1916

Paragoniocotes aratingae Guimarães, 1947
Host: *Psittacara leucophthalmus* (Müller, 1776).
Distribution in Peru: Lima.
Reference: Gomez–Puerta and Cribillero (2015).

Paragoniocotes fulvofasciatus (Picaglia, 1885)
Host: *Brotogeris cyanoptera* (Salvadori, 1891).
Distribution in Peru: Madre de Dios.
Reference: Gomez–Puerta and Lujan–Vega (2018).

Paragoniocotes mirabilis (Carriker, 1940)
Host: *Ara macao*.
Distribution in Peru: Lima.
Reference: Gomez–Puerta and Lujan–Vega (2018).

Paragoniocotes nanus Guimarães, 1947
Host: *Amazona amazonica*.
Distribution in Peru: Lima.
Reference: Gomez–Puerta and Lujan–Vega (2018).

Paragoniocotes neivai Guimarães, 1940
Synonym: *Paragoniocotes neivai illustris* Carriker, 1950.
Host: *Forpus* sp.
Distribution in Peru: Lima.
Reference: Gomez–Puerta and Lujan–Vega (2018).

Paragoniocotes pyrrhurae Guimarães, 1947
Host: *Aratinga weddellii* (Deville, 1851).
Distribution in Peru: Lima.
Reference: Gomez–Puerta and Lujan–Vega (2018).

Passonomedea Carriker, 1944

Passonomedea emersoni Carriker, 1967
Host: *Odontophorus stellatus* (Gould, 1843).
Distribution in Peru: unknown.
Reference: Carriker and Emerson (1967d).

Pectenosoma Ewing, 1929

Pectenosoma verrucose (Taschenberg, 1882)
Host: *Crypturellus obsoletus*; *C. soui*; *C. undulatus*.
Distribution in Peru: Cajamarca, Junín, Pasco, Puno, San Martín.
Reference: Carriker (1936, 1944a).

***Pectinopygus* Mjöberg, 1910**

Pectinopygus grubeni Timmermann, 1967

Host: *Leucocarbo bougainvilliorum*.

Distribution in Peru: Lima.

Reference: Dale (1970).

Pectinopygus occidentalis Thompson, 1948

Host: *Pelecanus thagus*.

Distribution in Peru: Ica.

Reference: Dale (1970).

***Pectinopygus* sp.**

Host: *Fregata magnificens* Mathews, 1914; *Poikilocarbo gaimardi*; *Sula dactylatra* Lesson, 1831; *S. neboxii*; *S. variegata*.

Distribution in Peru: Ica, Lima, Piura.

Reference: Dale (1970).

***Penenirmus* Clay and Meinertzhagen, 1938**

Penenirmus albiventris (Scopoli, 1763)

Synonym: *Penenirmus motacillae* (Fabricius, 1777); *Penenirmus troglodytis* (Waterston, 1915).

Host: *Troglodytes aedon* Vieillot, 1809.

Distribution in Peru: Lima.

Reference: Sychra et al. (2014).

Penenirmus jungens (Kellogg, 1896)

Synonym: *Penenirmus villosus* Emerson and Johnson, 1961.

Host: *Colaptes rupicola*.

Distribution in Peru: Cusco.

Reference: Gomez–Puerta and Cribillero (2015).

***Perineus* Thompson, 1936**

Perineus oblongus Kéler, 1957

Host: *Phoebastria irrorata*.

Distribution in Peru: Piura.

Reference: Dale, 1970.

***Philoceanus* Kellogg, 1903**

Philoceanus amadoni Timmermann, 1961

Host: *Hydrobates hornbyi*; *Hydrobates markhami* (Salvin, 1883).

Distribution in Peru: Lima.

Reference: Gomez–Puerta and Lujan–Vega (2018).

***Philopterus* Nitzsch, 1818**

***Philopterus* sp.**

Host: *Amblycercus holosericeus* (Deppe, 1830); *Anabacerthia striaticollis*; *Asthenes helleri* (Chapman, 1923); *Chiroxiphia boliviana*; *Conopias cinchoneti* (Tschudi, 1844); *Lepidothrix coeruleocapilla*; *Leptopogon superciliaris*; *Lophotriccus pileatus* (Tschudi,

1844); *Machaeropterus pyrocephalus*; *Mionectes striaticollis*; *Mitrephanes olivaceus* Berlepsch and Stolzmann, 1894; *Myadestes ralloides*; *Ochthoeca cinnamomeiventris* (Lafresnaye, 1843); *Ochthoeca rufipectoralis*; *Silvicultrix frontalis* (Lafresnaye, 1847); *Silvicultrix pulchella* (Sclater and Salvin, 1876); *Pogonotriccus ophthalmicus*; *Pipra fasciicauda*; *Pipreola intermedia*; *Pyrrhomyias cinnamomeus* (d'Orbigny and Lafresnaye, 1837); *Thlypopsis ruficeps*; *Turdus fuscater*; *T. serranus*.

Distribution in Peru: Cusco.

Reference: Soto–Patiño et al. (2018).

***Physconella* Paine, 1914**

***Physconella kelloggi* (Paine, 1913)**

Host: *Crypturellus atroparillus* (Tschudi, 1844); *C. obsoletus*; *C. soui*; *Nothocercus nigrocapillus*.

Distribution in Peru: unknown.

Reference: Carriker (1936).

***Physconella nothocercae* Carriker, 1936**

Host: *Nothocercus nigrocapillus*.

Distribution in Peru: Junín.

Reference: Carriker (1936).

***Physconelloides* Ewing, 1927**

***Physconelloides anolaimae* Carriker, 1961**

Synonym: *Physconelloides wolfdietrichi* Kaddou, 1973.

Host: *Patagioenas plumbea*.

Distribution in Peru: unknown.

Reference: Price et al. (1999).

***Physconelloides cubanus* Tendeiro, 1980**

Host: *Geotrygon montana*.

Distribution in Peru: unknown.

Reference: Price et al. (1999).

***Physconelloides eurysema* (Carriker, 1903)**

Synonym: *Physconelloides eurysema pretiosa* Carriker, 1961; *Physconelloides mattogrossensis* (Guimarães, 1936); *Physconelloides passerinae* Emerson, 1957; *Physconelloides picuii* Tendeiro, 1987; *Physconelloides talpacoti* Carriker, 1963.

Host: *Claravis pretiosa* (Ferrari–Pérez, 1886).

Distribution in Peru: unknown.

Reference: Price et al. (1999).

***Physconelloides perijae* Carriker, 1961**

Synonym: *Physconelloides perijae madgalenae* Carriker, 1961; *Physconelloides silvestris* Tendeiro, 1980.

Host: *Zentrygon frenata* (Tschudi, 1843).

Distribution in Peru: unknown.

Reference: Price et al. (1999).

***Physconelloides robbinsi* Price, Clayton and Hellenthal, 1999**

Host: *Metriopelia ceciliae*.

Distribution in Peru: unknown.

Reference: Price et al. (1999).

Physconelloides wisemani Emerson 1960

Host: *Zenaida asiatica* (Linnaeus, 1758).

Distribution in Peru: unknown.

Reference: Price et al. (1999).

***Picicola* Clay and Meinertzhagen, 1938**

Picicola faucetti Price and Weckstein, 2006

Host: *Chelidoptera tenebrosa* (Pallas, 1782).

Distribution in Peru: Loreto.

Reference: Price and Weckstein (2006).

Picicola galbulica Valim and Linardi, 2006

Host: *Galbula cyanescens*; *Galbula tombacea* Spix, 1824.

Distribution in Peru: Loreto, Madre de Dios.

Reference: Price and Weckstein (2006).

Picicola naokii Price and Weckstein, 2006

Host: *Bucco capensis* Linnaeus, 1766; *Cyphos macrodactylus* Spix, 1824.

Distribution in Peru: Loreto, Madre de Dios.

Reference: Price and Weckstein (2006).

Picicola oneilli Price and Weckstein, 2006

Host: *Notharchus macrorhynchos* (Gmelin, 1788).

Distribution in Peru: Loreto.

Reference: Price and Weckstein (2006).

Remark: the host is probably *Notharchus hyperhynchus* (P. L. Sclater, 1856) since *N. macrorhynchos* is not reported in Peru.

Picicola osheai Price and Weckstein, 2006

Host: *Malacoptila semicineta* Todd, 1925.

Distribution in Peru: Cusco, Madre de Dios.

Reference: Price and Weckstein (2006).

Picicola striata Oniki and Emerson, 1981

Host: *Malacoptila fulvogularis* Sclater, 1854; *Hapaloptila castanea* (Verreaux, 1866).

Distribution in Peru: Madre de Dios, San Martín.

Reference: Price and Weckstein (2006).

Picicola valquii Price and Weckstein, 2006

Host: *Notharchus tectus* (Boddaert, 1783).

Distribution in Peru: Loreto.

Reference: Price and Weckstein (2006).

***Picicola* sp.**

Host: *Myiothlypis signata*.

Distribution in Peru: Cusco.

Reference: Soto-Patiño et al. (2018).

***Pseudocophorus* Carriker, 1940**

***Pseudocophorus peruvianus* Carriker, 1940**

Host: *Pipreola intermedia* Taczanowski, 1884.

Distribution in Peru: Junín.

Reference: Carriker (1940).

***Pseudolipeurus* Carriker, 1936**

***Pseudolipeurus longipes* (Piaget, 1880)**

Host: *Crypturellus obsoletus*.

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Pseudolipeurus subsimilis* Carriker, 1936**

Host: *Crypturellus soui*.

Distribution in Peru: San Martín.

Reference: Carriker (1936).

***Pseudolipeurus taoi* Carriker, 1936**

Host: *Tinamus tao* Temminck, 1815.

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Pseudophilopterus* Carriker, 1936**

***Pseudophilopterus hirsutus* Carriker, 1936**

Synonym: *Pseudophilopterus hirsutus adspersus* Carriker, 1961.

Host: *Crypturellus undulatus*.

Distribution in Peru: San Martín.

Reference: Carriker (1936).

***Pterocotes* Ewing, 1929**

***Pterocotes aberrans* (Carriker, 1903)**

Synonym: *Pterocotes aberrans colombianus* Carriker, 1944; *Pterocotes aberrans mexicanus* Carriker, 1944; *Pterocotes aberrans tinami* Carriker, 1963.

Host: *Tinamus tao*.

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Pterocotes tergalis* (Carriker, 1936)**

Synonym: *Heptapsustergalis* Carriker, 1936.

Host: *Nothocercus nigrocapillus*.

Distribution in Peru: Junín, Puno.

Reference: Carriker (1936).

***Quadriceps* Clay and Meinertzhagen, 1939**

***Quadriceps burhinoides* Carriker, 1949**

Host: *Burhinus superciliaris* (Tschudi, 1843).

Distribution in Peru: Lima.

Reference: Carriker (1949a); Gomez–Puerta and Lujan–Vega (2018).

Quadriceps eugrammicus (Burmeister, 1838)

Synonym: *Quadriceps grammicus* (Gervais, 1844).

Host: *Larus belcheri*.

Distribution in Peru: Lima.

Reference: Príncipe et al. (2020).

Quadriceps falcigerus (Peters, 1931)

Host: *Tringa flavipes*.

Distribution in Peru: Lima.

Reference: Dale (1970).

Quadriceps fissus (Burmeister, 1838)

Synonym: *Quadriceps crassipes* (Denny, 1852); *Quadriceps hiaticulae* (Denny, 1842);

Quadriceps opacus (Kellogg and Chapman, 1899).

Host: *Charadrius semipalmatus* Bonaparte, 1825.

Distribution in Peru: Ica, Lima.

Reference: Dale (1970); Tavera et al. (2019).

Quadriceps macrocephalus (Waterston, 1914)

Synonym: *Quadriceps retractus* Zlotorzycska, 1967.

Host: *Charadrius alexandrinus*.

Distribution in Peru: Lima.

Reference: Dale (1970)

Remark: Dale recorded this louse in *Charadrius alexandrinus*, but this bird is not distributed in Peru, and thus, the identity of this host is uncertain.

Quadriceps (aff.) strepsilaris (Denny, 1842)

Synonym: *Quadriceps euprepes* (Kellogg and Chapman, 1902), *Quadriceps lepidus*

(Kellogg and Kuwana, 1902), *Quadriceps subcingulatus* (Nitzsch, 1866).

Host: *Arenaria interpres*.

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

Quadriceps titicacae Carriker, 1949

Host: *Thinocorus orbignyianus* Geoffroy Saint-Hilaire and Lesson, 1831.

Distribution in Peru: Puno.

Reference: Carriker (1949b).

Quadriceps sp.

Host: *Anas flavirostri*; *Arenaria interpres*; *Charadrius nivosus* (Cassin, 1858); *Rynchops niger* Linnaeus, 1758; *Sterna hirundinacea* Lesson, 1831; *Sternula lorata* (Philippi and Landbeck, 1861); *Tringa melanoleuca* (Gmelin, 1789); *Vanellus resplendens* (Tschudi, 1843).

Distribution in Peru: Ica, Junin, Lima.

Reference: Dale (1970); Tavera et al. (2019).

Rallicola Johnston and Harrison, 1911

Rallicola (Rallicola) advenus (Kellogg, 1896)

Synonym: *Rallicola minutotrabeulatus* (Osborn, 1896).

Host: *Fulica americana*.

Distribution in Peru: Junín.

Reference: Dale (1970).

Remark: Dale (1970), registered this louse in *Fulica americana*, but currently this bird has no distribution in Peru, It is likely that it was still distributed in Peru in 1970.

Rallicola (Rallicola) andinus Carriker, 1949

Host: *Pardirallus sanguinolentus* (Swainson, 1838).

Distribution in Peru: Junín.

Reference: Carriker (1949b); Dale (1970).

Rallicola (Rallicola) cephalosa (Carriker, 1944)

Host: *Glyphorhynchus spirurus*.

Distribution in Peru: Cusco, Madre de Dios.

Reference: Price and Clayton (1993).

Rallicola (Rallicola) chunchotambo (Carriker, 1944)

Synonym: *Furnaricola chunchotambo* Carriker, 1944; *Furnaricola pyriglena* Carriker, 1966; *Rallicola guttata* (Carriker, 1963); *Rallicola pyriglena* (Carriker, 1966).

Host: *Pyriglena leuconota*; *Xiphorhynchus ocellatus* (Spix, 1824); *Xiphorhynchus triangularis* (Lafresnaye, 1842).

Distribution in Peru: Junín, Madre de Dios, Pasco.

Reference: Carriker (1944c, 1966a).

Rallicola (Rallicola) fuliginosa (Carriker, 1963)

Host: *Dendrocincla fuliginosa* (Vieillot, 1818).

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1993).

Rallicola (Rallicola) hambleri Price and Clayton, 1994

Host: *Syndactyla rufosuperciliata* (Lafresnaye, 1832).

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1994).

Rallicola (Rallicola) harveyi Price and Clayton, 1993

Host: *Deconychura longicauda* (Pelzeln, 1868).

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1993).

Rallicola (Rallicola) hylactiphaga (Carriker, 1966)

Synonym: *Furnaricola hylactiphaga* Carriker, 1966; *Rallicola hylactiphagacanae* (Carriker, 1966).

Host: *Scytalopus magellanicus* (Gmelin, 1789).

Distribution in Peru: Ancash.

Reference: Carriker (1966a); Price and Clayton (1994).

Remark: the distribution of *S. magellanicus* probably reached Peru in 1966; however, it is currently only found in Chile.

Rallicola (Rallicola) inexpectata (Carriker, 1966)

Synonym: *Furnaricola inexpectata* Carriker, 1966.

Host: *Lepidothrix coeruleocapilla*; *Philydor erythrocerum*; *Xenops minutus* (Sparman, 1788)

Distribution in Peru: Madre de Dios, Puno.

Reference: Carriker (1966a); Price and Clayton (1994).

Rallicola (Rallicola) keymerae Price and Clayton, 1993

Host: *Dendrocolaptes picumnus* Lichtenstein, 1820.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1993).

Rallicola (Rallicola) leeeae Price and Clayton, 1994

Host: *Thripadectes melanorhynchus*.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1994).

Rallicola (Rallicola) minutus (Nitzsch, 1866)

Synonym: *Rallicola bisetosus microcephalus* Uchida, 1948; *Rallicola parvulus* (Piaget, 1880).

Host: *Gallinula chloropus*.

Distribution in Peru: Junín.

Reference: Dale (1970).

Rallicola (Rallicola) mooreae Price and Clayton, 1994

Host: *Premnoplex brunnescens*.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1994).

Rallicola (Rallicola) palmai Price and Clayton, 1993

Host: *Campylorhamphus trochilirostris* (Lichtenstein, 1820).

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1993).

Rallicola (Rallicola) pipraphaga (Carriker, 1966)

Host: *Pseudopipra pipra* (Linnaeus, 1758).

Distribution in Peru: Junín, Madre de Dios.

Reference: Price and Clayton (1993).

Rallicola (Rallicola) taylori Emerson, 1955

Host: *Fulica gigantea*.

Distribution in Peru: Junín.

Reference: Dale (1970).

Rallicola (Rallicola) titicacae (Carriker, 1944)

Synonym: *Furnaricola punensis* Carriker, 1966; *Rallicola punensis* (Carriker, 1966).

Host: *Phleocryptes melanops* (Vieillot, 1817); *Synallaxis cabanisi* Berlepsch and Leverkühn, 1890.

Distribution in Peru: Arequipa, Puno.

Reference: Carriker (1944c, 1966a); Price and Clayton (1994).

Rallicola (Rallicola) tompkinsi Price and Clayton, 1994

Host: *Sclerurus caudacutus*.

Distribution in Peru: Madre de Dios.

Reference: Price and Clayton (1994).

***Rallicola* sp.**

Host: *Automolus subulatus*; *Clibanornis rubiginosus*; *Dendrocincla fuliginosa*; *Fulica ardesiaca*; *Glyphorhynchus spirurus*; *Margarornis squamiger* (d'Orbigny and Lafresnaye, 1838); *Thripadectes melanorhynchus*; *Xiphocolaptes promeropirhynchus* (Lesson, 1840); *Xiphorhynchus triangularis*.

Distribution in Peru: Cusco, Junín.

Reference: Dale (1970); Soto–Patiño et al. (2018).

***Rhopaloceras* Taschenberg, 1882**

***Rhopaloceras brevitemporalis* Carriker, 1936**

Host: *Crypturellus obsoletus*.

Distribution in Peru: Junín.

Reference: Carriker (1936).

***Rhopaloceras oniscus* (Nitzsch, 1866)**

Host: *Tinamus tao*.

Distribution in Peru: Puno.

Reference: Carriker (1936).

***Rhopaloceras rudimentarius* Carriker, 1936**

Host: *Crypturellus soui*; *Crypturellus undulatus*.

Distribution in Peru: Cajamarca; San Martín.

Reference: Carriker (1936).

***Saemundssonina* Timmermann, 1936**

***Saemundssonina (Saemundssonina) lari* (Fabricius, 1780)**

Synonym: *Saemundssonina atricilla* Carriker, 1956; *Saemundssonina congener* (Giebel, 1874); *Saemundssonina gennei* Touleshkov, 1959; *Saemundssonina gonothorax* (Giebel, 1874); *Saemundssonina lari* (Müller, 1927); *Saemundssonina lariargentati* Touleshkov, 1959; *Saemundssonina larina* (Picaglia, 1885); *Saemundssonina muelleri* Eichler, 1942; *Saemundssonina timmermanni* Touleshkov, 1959.

Host: *Larus belcheri*; *Larus pipixcan* Wagler, 1831.

Distribution in Peru: Lima.

Reference: Gomez–Puerta and Cribillero (2015); Príncipe et al. (2020).

***Saemundssonina (Saemundssonina) tringae* (Fabricius, 1780)**

Synonym: *Saemundssonina alpine* (Giebel, 1874); *Saemundssonina arctica* (Mjöberg, 1910); *Saemundssonina canuti* (Denny, 1842); *Saemundssonina fusiformis* (Denny, 1842); *Saemundssonina grubei* Eichler, 1942; *Saemundssonina lari* (Grube, 1851); *Saemundssonina tringae lobata* Martens, 1974; *Saemundssonina tringae sibiriae* Martens, 1974; *Saemundssonina variabilis* (Denny, 1842).

Host: *Calidris pusilla*.

Distribution in Peru: Ica.

Reference: Tavera et al. (2019).

***Saemundssonina* sp.**

Host: *Sterna hirundinacea*; *Tringa flavipes*.

Distribution in Peru: Lima.

Reference: Dale (1970).

***Strigiphilus* Mjöberg, 1910**

***Strigiphilus crucigerus* Carriker, 1966**

Host: *Megascops guatemalae* (Sharpe, 1875); *Megascops ingens* (Salvin, 1897);
Megascops watsonii (Cassin, 1848).

Distribution in Peru: Madre de Dios.

Reference: Clayton (1990).

***Strigiphilus speotyti* (Osborn, 1896)**

Host: *Athene cunicularia*.

Distribution in Peru: Junin, La Libertad, Lima.

Reference: Carriker (1966b); Dale (1970).

***Strigiphilus* sp.**

Host: *Bubo virginianus*.

Distribution in Peru: Ica.

Reference: Dale (1970).

***Strongylocotes* Taschenberg, 1882**

***Strongylocotes complanatus* (Piaget, 1880)**

Host: *Crypturellus obsoletus*, *C. variegatus*.

Distribution in Peru: Junin.

Reference: Carriker (1936, 1944a).

***Strongylocotes nirmoides* (Carriker, 1936)**

Synonym: *Nirmocotes nirmoides* Carriker, 1936; *Strongylocotes complanatus intermedius*
Carriker, 1944.

Host: *Crypturellus obsoletus*.

Distribution in Peru: Puno.

Reference: Carriker (1936, 1940).

***Strongylocotes spinosus* (Piaget, 1880)**

Host: *Nothocercus nigrocapillus*.

Distribution in Peru: Junin.

Reference: Carriker (1936, 1944a).

***Strongylocotes subconiceps* Carriker, 1936**

Synonym: *Strongylocotes subconiceps cauae* Carriker, 1953; *Strongylocotes subconiceps*
felisae Carriker, 1953; *Strongylocotes subconiceps perijae* Carriker, 1944.

Host: *Crypturellus soui*.

Distribution in Peru: Cajamarca, San Martín.

Reference: Carriker (1936).

***Sturnidoecus* Eichler, 1944**

***Sturnidoecus* sp.**

Host: *Entomodestes leucotis*.

Distribution in Peru: Cusco.

Reference: Soto-Patiño et al. (2018).

***Tinamotaecola* Carriker, 1944**

***Tinamotaecola andinae* Carriker, 1944**

Host: *Tinamotis pentlandii* Vigors, 1837.

Distribution in Peru: unknown.

Reference: Hellenthal et al. (2001).

***Trabeculus* Rudow, 1866**

***Trabeculus* sp.**

Host: *Ardenna grisea* (Gmelin, 1789).

Distribution in Peru: Piura.

Reference: Dale (1970).

***Trichodopeostus* Carriker, 1936**

***Trichodopeostus spinosus* Carriker, 1936**

Synonym: *Trichodopeostus incertus* Carriker, 1936.

Host: *Nothocercus nigrocapillus*.

Distribution in Peru: Amazonas.

Reference: Carriker (1936).

Checklist host – parasite

From 1936 to 2019, 266 species of lice were reported and recorded on birds in Peru. Of these, 234 were reported at the species level and 32 at the genus level only. The most frequently reported host species were the *Mayriphilopterus ernsti* and *Machaerilaemus maestus* species, each with five host species. The suborder Amblycera contains 94 species of lice distributed in two families: Menoponidae with 82 species and Ricinidae with 12 species. In the Ischnocera suborder only one family of 172 species of lice is recorded (table 1).

Table 1. Richness of lice species reported in birds from Peru: N° sp D, number of species determined (identification at species level); N° sp U, number of undetermined species (identified only up to genus level).

Tabla 1. Riqueza de especies de piojos reportadas en aves de Perú: N ° sp D, número de especies determinadas (identificación a nivel de especie); N ° sp U, número de especies indeterminadas (identificadas solo hasta el nivel de género).

Phthiraptera	N° sp D	N° sp U	Total
Amblycera			
Fam. Menoponidae	73	9	82
Fam. Ricinidae	9	3	12
Ischnocera			
Fam. Philopteridae	152	20	172
Total	234	32	266

Table 2. Richness of birds by orders with record of lice in Peru: F, families; G, genus; Sp, species.

Table 2. Riqueza de aves (por órdenes) con registro de parasitación por piojos en Perú: F, familias, G, géneros; Sp, especies.

Order	F	G	Sp	Order	F	G	Sp
Accipitriformes	1	3	3	Pelecaniformes	3	4	4
Anseriformes	1	4	6	Phaethontiformes	1	1	1
Cathartiformes	1	1	1	Phoenicopteriformes	1	1	1
Caprimulgiformes	2	9	9	Piciformes	5	17	27
Charadriiformes	5	10	19	Podicipediformes	1	1	1
Columbiformes	1	8	12	Procellariiformes	3	3	5
Coraciiformes	2	2	2	Psittaciformes	1	9	12
Cuculiformes	1	1	1	Strigiformes	1	3	6
Falconiformes	1	2	2	Struthioniformes	1	6	13
Galliformes	3	6	7	Suliformes	3	4	6
Gruiformes	2	4	7	Trogoniformes	1	1	1
Passeriformes	20	108	155	Total	61	207	301

Regarding the hosts, 301 species of birds have been reported, only one of which was reported at the genus level. The bird species in which lice have been recorded are distributed in 23 orders, 61 families and 208 genera (table 2). The Passeriformes order is the group with the highest number of bird species with lice records, accounting for 51% of the total. The birds with the highest number of lice species reported are *Crypturellus soui* (Hermann, 1783) and *Columba livia* (Gmelin, 1789), with 10 species of lice in each, followed by *Crypturellus obsoletus* (Temminck, 1815), with nine species.

Figure 1 shows the distribution of the records of the species of mallophaga and their hosts in the departments of Peru. It shows that 17 departments have at least one report of the bird-mallophaga association, and seven departments have no reports to date (Ayacucho, Apurimac, Huancavelica, Lambayeque, Moquegua, Tacna and Ucayali). The department of Cusco has the highest malignant registry ($n = 99$), followed by Lima ($n = 42$). The departments with the highest number of hosts evaluated in the search for mallophaga were Lima ($n = 52$) and Junin ($n = 43$). Additionally, there are 19 international reports that do not specify the locality but rather only refer to Peru as the place of origin.

Discussion

Peru is one of the megadiverse countries in bird fauna, being considered the second country with the highest diversity of birds after Colombia (Plenge et al., 2020). A total of 1,876 species of birds have been sighted in Peru, but studies and reports of mallophaga have been found in only 301. Therefore only 16% of bird species have been the object of study regarding this topic. The high proportion of species for which there are no reports or

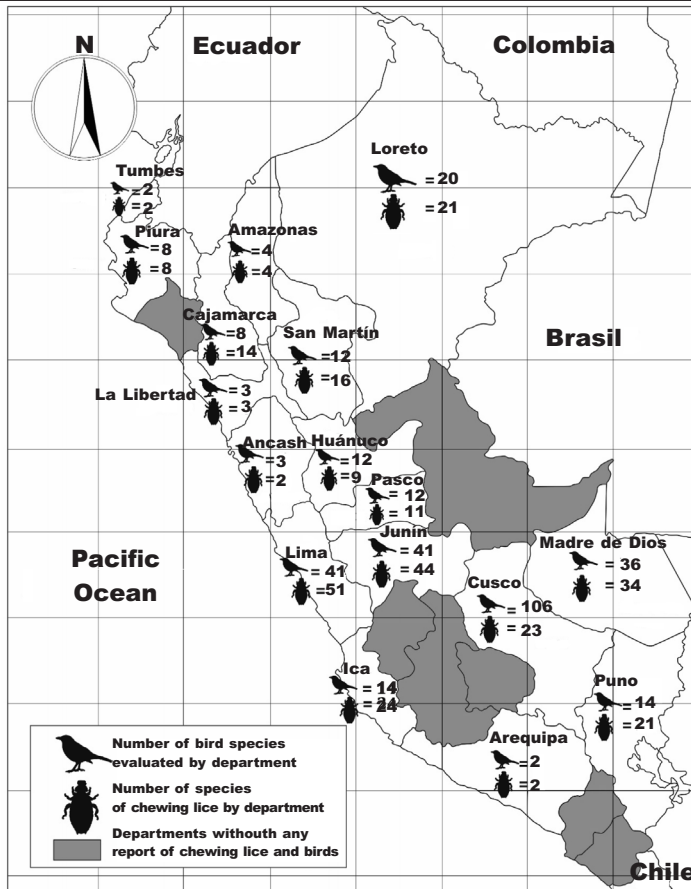


Fig. 1. Distribution of the reports of mallophaga and their hosts in the departments of Peru.

Fig. 1. Distribución de los registros de malófagos y sus huéspedes en los departamentos de Perú.

evaluations in relation to mallophaga suggests further host species of ectoparasites are yet to be described here, and new geographic records to be recored for Peru. The lack of studies in this regard in Peru is also reflected in the distribution of the reports (fig. 1); no studies of louse-associated birds are yet available from the departments of Ayacucho, Apurímac, Huancavelica, Lambayeque, Moquegua, Tacna and Ucayali.

From the checklist elaborated in this investigation, unidentified species such as *Myrsidea* sp. are shown to parasitize 77 species of birds, followed by *Philopterus* sp. and *Ricinus* sp. each with 23 and 19 species of bird hosts, respectively. Valim and Weckstein (2013) reported that there are many undescribed species in the genus *Myrsidea*, and according to our data most of this genus is reported as unidentified, and thus, it is likely to be new species. Likewise, Price and Dalgleish (2007) reported that the *Ricinus* and *Philopterus* genera are distributed in the order of Passeriformes birds, specific to certain families of this

order. The vast majority of reports at the genus level were described by Soto–Patiño et al. (2018), who collected a large amount of material on birds from the Manu National Reserve in Cusco. While the large amount of material collected has likely made identification at the species level difficult, we encourage these authors to publish the findings of the material collected from Cusco.

The bird species of *Columbia livia*, *Crypturellus obsoletus* and *C. soui* presented the highest number of lice species reported in Peru. These species were also among those that harbored the highest number of lice species in the list prepared by Price et al. (2003) in which other birds, such as albatrosses, crows, pheasants, eagles and hawks, were also found to be hosts to a wide spectrum of lice.

Regarding the state of bird conservation, seven were found to be vulnerable, 20 near threatened, one in danger, and two in critical danger. Conservation status is important to measure the health of biodiversity, and at the same time, it is a tool to catalyze response actions in the face of the threat of reduction of the population of a species (IUCN, 2020). It is important to remember that the coextinction of taxa dependent on specific hosts (mutualists and parasites) and their hosts is a feature of the ongoing wave of global extinctions (Rózsa and Vas, 2015). In the case of critically endangered species, *Pseudomenopon dolium* is reported in other species of birds, and therefore, coexistence would not apply in association with *Podiceps taczanowskii*. However, *Perineus oblongus* has only been reported in the critically endangered *Phoebastria irrorata*, which if they were to no longer exist would represent a clear case of mutual extinction.

The present list provides a summary of the information available regarding lice associated with birds in the Peruvian territory. It was made in order to serve as a tool for the specific search of reports on this association, as well as describe the distribution of the lice and the birds evaluated in each department, including those that have no study on the subject. Further studies are needed on the study of birds and places lacking these ectoparasite studies in order to discover new associations, create geographical records and identify new species for science.

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Appendix 1. Summary of the birds of Peru parasitized by species of chewing lice: IUCN, International Union for Conservation of Nature (status: CR, critically endangered; EN, endangered; LC, least-concern; NT, near threatened; VU, vulnerable).

Apéndice 1. Lista de las aves de Perú parasitadas por especies de piojos masticadores: UICN, Unión Internacional para la Conservación de la Naturaleza (estatus: CR, en peligro crítico; EN, en peligro; LC, preocupación menor; NT, casi amenazada; VU, vulnerable).

Specie	Common names	IUCN	Lice	References
Order Accipitriformes				
Fam. Accipitridae				
<i>Geranoaetus polyosoma</i>	Variable hawk	LC	<i>Colpocephalum</i> sp. <i>Degeeriella fulva</i>	Dale (1970) Dale (1970)
<i>Parabuteo unicinctus</i>	Harris's hawk	LC	<i>Kurodaia</i> sp.	Gomez–Puerta and Lujan–Vega (2018)
<i>Rupornis magnirostris</i>	Roadside hawk	LC	<i>Mulcticola nacunda</i>	Carriker (1945); Valim and Kuabara (2015)
Order Anseriformes				
Fam. Anatidae				
<i>Anas bahamensis</i>	White-cheeked pintail	LC	<i>Trinoton</i> sp.	Dale (1970)
<i>Anas flavirostris</i>	Yellow-billed teal	LC	<i>Anaticola</i> sp. <i>Quadriceps</i> sp.	Dale (1970) Dale (1970)
<i>Anas georgica</i>	Yellow-billed pintail	LC	<i>Anaticola</i> sp.	Dale (1970)
<i>Chloephaga melanoptera</i>	Andean goose	LC	<i>Holomenopon tadornae</i> <i>Anaticola</i> sp.	Dale (1970) Dale (1970)
<i>Oxyura ferruginea</i>	Andean duck	LC	<i>Anaticola</i> sp.	Dale (1970)
<i>Spatula versicolor</i>	Silver teal	LC	<i>Anaticola</i> sp.	Dale (1970)
Order Cathartiformes				
Fam. Cathartidae				
<i>Vultur gryphus</i>	Andean condor	NT	<i>Colpocephalum trichosum</i>	Price and Beer (1963)
Order Caprimulgiformes				
Fam. Apodidae				
<i>Streptoprocne rutila</i>	Chestnut-collared wift	LC	<i>Dennyus</i> (<i>Dennyus</i>) <i>brunneitorques</i>	Carriker (1954)
Fam. Trochilidae				
<i>Adelomyia melanogenys</i>	Speckled hummingbird	LC	<i>Trochiliphagus peruanus</i>	Carriker (1960)
<i>Amazilia amazilia</i>	Amazilia hummingbird	LC	<i>Trochiliphagus</i> sp. <i>Trochiloecetes simplex</i>	Dale (1970) Carriker (1960)
<i>Coeligena violifer</i>	Bolivian starfrontlet	LC	<i>Trochiloecetes</i> sp.	Soto–Patiño et al. (2018)
<i>Glaucis hirsuta</i>	Rufous-breasted hermit	LC	<i>Trochiloecetes complexus</i>	Carriker (1960)
<i>Lesbia nuna</i>	Green-tailed trainbearer	LC	<i>Trochiloecetes fasciatus</i>	Carriker (1960)
<i>Rhodopis vesper</i>	Oasis hummingbird	LC	<i>Trochiloecetes rhodopis</i>	Carriker (1960)
<i>Thalurania furcata</i>	Fork-tailed woodnymph	LC	<i>Trochiliphagus</i> sp.	Soto–Patiño et al. (2018)
<i>Threnetes leucurus</i>	Pale-tailed barthrothroat	LC	<i>Trochiloecetes illumani</i> <i>Trochiloecetes mandibularis</i>	Príncipe et al. (2020) Carriker (1960)
Ordre Charadriiformes				
Fam. Burhinidae				
<i>Burhinus superciliaris</i>	Peruvian thick-knee	LC	<i>Quadriceps burhinoides</i>	Carriker (1949); Gomez–Puerta and Lujan–Vega (2018)
Fam. Charadriidae				
<i>Charadrius alexandrinus</i>	Kentish plover	LC	<i>Actornithophilus ochraceus</i> <i>Quadriceps macrocephalus</i>	Dale (1970) Dale (1970)
<i>Charadrius nivosus</i>	Snowy plover	NT	<i>Quadriceps</i> sp.	Tavera et al. (2019)
<i>Charadrius semipalmatus</i>	Semipalmated plover	LC	<i>Quadriceps fissus</i>	Dale (1970); Tavera et al. (2019)
<i>Charadrius vociferus</i>	Killdeer	LC	<i>Actornithophilus hoplopteri</i>	Carriker (1963)
<i>Vanellus resplendens</i>	Andean lapwing	LC	<i>Quadriceps</i> sp.	Dale (1970)
Fam. Laridae				
<i>Larus belcheri</i>	Belcher's gull	LC	<i>Austromenopon transversum</i> <i>Quadriceps eugrammicus</i> <i>Saemundssonina</i> (<i>Saemundssonina</i>) <i>lari</i>	Príncipe et al. (2020) Príncipe et al. (2020) Príncipe et al. (2020)
<i>Larus pipixcan</i>	Franklin's gull	LC	<i>Saemundssonina</i> (<i>Saemundssonina</i>) <i>lari</i>	Gomez–Puerta and Cribillero (2015)
<i>Rynchops niger</i>	Black skimmer	LC	<i>Quadriceps</i> sp.	Dale (1970)
<i>Sterna hirundinacea</i>	South American tern	LC	<i>Quadriceps</i> sp. <i>Saemundssonina</i> sp.	Dale (1970) Dale (1970)
<i>Sternula lorata</i>	Peruvian tern	EN	<i>Quadriceps</i> sp.	Dale (1970)
Fam. Scolopacidae				
<i>Arenaria interpres</i>	Ruddy turnstone	LC	<i>Actornithophilus pediculoides</i> <i>Quadriceps</i> sp. <i>Quadriceps</i> (aff.) <i>strepsilaris</i>	Tavera et al. (2019) Dale (1970) Tavera et al. (2019)
<i>Calidris alba</i>	Sanderling	LC	<i>Actornithophilus</i> sp. <i>Actornithophilus umbrinus</i> <i>Carduiceps</i> sp. <i>Carduiceps zonarius</i> <i>Luniceps actophilus</i> <i>Luniceps</i> sp.	Dale (1970) Tavera et al. (2019) Dale (1970) Dale (1970) Tavera et al. (2019) Dale (1970)
<i>Calidris canutus</i>	Red knot	NT	<i>Actornithophilus umbrinus</i> <i>Luniceps</i> sp.	Tavera et al. (2019) Tavera et al. (2019)
<i>Calidris mauri</i>	Western sandpiper	LC	<i>Actornithophilus umbrinus</i> <i>Luniceps incoenis</i>	Tavera et al. (2019) Tavera et al. (2019)
<i>Calidris pusilla</i>	Semipalmated sandpiper	NT	<i>Actornithophilus umbrinus</i> <i>Luniceps rothkoi</i> <i>Luniceps superciliosus</i> <i>Saemundssonina</i> (<i>Saemundssonina</i>) <i>tringae</i>	Tavera et al. (2019) Tavera et al. (2019) Tavera et al. (2019) Tavera et al. (2019)
<i>Tringa flavipes</i>	Lesser yellowlegs	LC	<i>Actornithophilus</i> sp. <i>Quadriceps falcigerus</i> <i>Saemundssonina</i> sp.	Dale (1970) Dale (1970) Dale (1970)
<i>Tringa melanoleuca</i>	Greater yellowlegs	LC	<i>Quadriceps</i> sp.	Dale (1970)
Fam. Thinocoridae				
<i>Thinocorus orbignyianus</i>	Grey-breasted seedsnipe	LC	<i>Quadriceps titicacae</i>	Carriker (1949b)
Order Columbiformes				
Fam. Columbidae				
<i>Claravis pretiosa</i>	Blue ground-dove	LC	<i>Physconelloides eurysema</i>	Price et al. (1999)
<i>Columba livia</i>	Rock dove	LC	<i>Colpocephalum turbinatum</i> <i>Hohorstiella lata</i> <i>Menacanthus stramineus</i> <i>Menopon gallinae</i> <i>Campanulotes bidentatus</i> <i>Campanulotes compar</i> <i>Columbicola columbae</i> <i>Furnariphilus</i> sp. <i>Goniodes gigas</i> <i>Lipeurus caponis</i>	Dale (1970); Príncipe et al. (2020) Príncipe et al. (2020) Naupay et al. (2015) Castro et al. (2017) Arnao (1951) Dale (1970); Príncipe et al. (2020) Castro et al. (2017); Gonzales and Roldan (2010); Príncipe et al. (2020) Castro et al. (2017) Castro et al. (2017) Naupay et al. (2015)
<i>Columba plumbea</i>	Plumbeous pigeon	LC	<i>Columbicola adamsi</i>	Clayton and Price (1999)
<i>Columba subvinacea</i>	Ruddy pigeon	VU	<i>Columbicola macrourae</i>	Clayton and Price (1999)
<i>Geotrygon montana</i>	Ruddy quail-dove	LC	<i>Columbicola macrourae</i> <i>Physconelloides cubanus</i> <i>Columbicola</i> sp.	Clayton and Price (1999) Price et al. (1999) Soto–Patiño et al. (2018)
<i>Leptotila verreauxi</i>	White-tipped dove	LC	<i>Columbicola gracilicapitis</i>	Clayton and Price (1999)
<i>Metriopelia aymara</i>	Golden-spotted ground-dove	LC	<i>Columbicola altamimiae</i> <i>Hohorstiella andina</i>	Clayton and Price (1999) Carriker (1949b)
<i>Metriopelia ceciliae</i>	Bare-faced ground-dove	LC	<i>Columbicola gymnopelidae</i> <i>Physconelloides robbinsi</i>	Clayton and Price (1999) Price et al. (1999)
<i>Patagioenas fasciata</i>	Northern band-tailed pigeon	LC	<i>Columbicola extinctus</i>	Clayton and Price (1999)

Appendix 1. (Cont.)

Specie	Common names	IUCN	Lice	References
<i>Patagioenas plumbea</i>	Plumbeous pigeon	LC	<i>Physconelloides anolaimae</i>	Price et al. (1999)
<i>Zenaida asiatica</i>	White-winged dove	LC	<i>Physconelloides wisemani</i>	Price et al. (1999)
<i>Zentrygon frenata</i>	White-throated quail-dove	LC	<i>Physconelloides perijae</i>	Price et al. (1999)
Order Coraciiformes				
Fam. Momotidae				
<i>Baryphthengus martii</i>	Rufous motmot	LC	<i>Brueelia</i> sp.	Soto-Patiño et al. (2018)
Fam. Alcedinidae				
<i>Megaceryle torquata</i>	Ringed kingfisher	LC	<i>Alcedoffula theresae</i>	Gomez-Puerta and Cribillero (2015)
Order Cuculiformes				
Fam. Cuculidae				
<i>Crotophaga sulcirostris</i>	Groove-billed ani	LC	<i>Osborniella sulcirostris</i>	Dale (1970)
Order Falconiformes				
Fam. Falconidae				
<i>Micrastur ruficollis</i>	Barred forest-falcon	LC	<i>Colpocephalum holzenthali</i>	Clayton and Price (1989)
<i>Phalcoboenus albogularis</i>	White-throated caracara	LC	<i>Acutifrons megalopterus</i>	Carriker (1956)
			<i>Colpocephalum megalopteri</i>	Price (1967)
Order Galliformes				
Fam. Phasianidae				
<i>Gallus gallus</i>	Red junglefowl	LC	<i>Menacanthus stramineus</i>	Gonzalez et al. (1949)
			<i>Menopon gallinae</i>	Arnao (1951)
			<i>Columbicola columbae</i>	Vásquez et al. (1965)
			<i>Goniodes gigas</i>	Arnao (1951)
			<i>Lipeurus caponis</i>	Arnao (1951)
<i>Meleagris gallopavo</i>	Wild turkey	LC	<i>Menacanthus stramineus</i>	Arnao (1951)
			<i>Menopon gallinae</i>	Vásquez et al. (1965)
			<i>Chelopistes meleagridis</i>	Gomez-Puerta and Cribillero (2015)
			<i>Lipeurus</i> sp.	Vásquez et al. (1965)
			<i>Oxylipeurus polytrapezius</i>	Vásquez et al. (1965)
Fam. Cracidae				
<i>Chamaepetes goudoti</i>	Sickle-winged guan	LC	<i>Amyrsidea</i> (<i>Cracimenopon</i>) <i>aburris</i>	Carriker (1950b)
<i>Ortalis guttata</i>	Speckled chachalaca	LC	<i>Oxylipeurus chiniri</i>	Carriker (1944b)
			<i>Chelopistes latafrons</i>	Carriker (1945b)
<i>Penelope jacquacu</i>	Spix's guan	LC	<i>Amyrsidea</i> (<i>Cracimenopon</i>) <i>jacquacu</i>	Carriker (1950b)
			<i>Chelopistes jacquacu</i>	Carriker and Emerson (1967b)
Fam. Odontophoridae				
<i>Odontophorus speciosus</i>	Rufous-breasted wood-quail	NT	<i>Amyrsidea</i> (<i>Desumenopon</i>) <i>speciosa</i>	Carriker and Emerson (1967c)
			<i>Chelopistes peruviana</i>	Carriker and Emerson (1967b)
<i>Odontophorus stellatus</i>	Starred wood-quail	LC	<i>Passonomedea emersoni</i>	Carriker and Emerson (1967d)
Order Gruiformes				
Fam. Rallidae				
<i>Fulica americana</i>	American coot	LC	<i>Rallicola (Rallicola) advenus</i>	Dale (1970)
<i>Fulica ardesiaca</i>	Andean coot	LC	<i>Pseudomenopon pilosum</i>	Dale (1970)
			<i>Rallicola</i> sp.	Dale (1970)
<i>Fulica gigantea</i>	Giant coot	LC	<i>Pseudomenopon pilosum</i>	Dale (1970)
			<i>Rallicola (Rallicola) taylori</i>	Dale (1970)
<i>Gallinula chloropus</i>	Common moorhen	LC	<i>Rallicola (Rallicola) minutus</i>	Dale (1970)
<i>Gallinula galeata</i>	Common gallinule	LC	<i>Fulicoffula gallinula</i>	Carriker (1953)
			<i>Fulicoffula</i> sp.	Dale (1970)
<i>Pardirallus sanguinolentus</i>	Plumbeous rail	LC	<i>Rallicola (Rallicola) andinus</i>	Carriker (1949b); Dale (1970)
Fam. Heliornithidae				
<i>Heliornis fulica</i>	Sungrebe	LC	<i>Fulicoffula heliornis</i>	Carriker (1953)
Order Passeriformes				
Fam. Cardinalidae				
<i>Piranga leucoptera</i>	White-winged tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
Fam. Conopophagidae				
<i>Conopophaga ardesiaca</i>	Slaty gnateater	LC	<i>Formicaphagus arnoldi</i>	Price and Clayton (1996)
<i>Conopophaga peruviana</i>	Ash-throated gnateater	LC	<i>Formicaphagus donpetersi</i>	Price and Clayton (1996)
Fam. Corvidae				
<i>Cyanocorax cyanomelas</i>	Purplish jay	LC	<i>Myrsidea fallax</i>	Valim and Cicchino (2015)
<i>Cyanocorax violaceus</i>	Violaceous jay	LC	<i>Myrsidea daleclaytoni</i>	Valim and Cicchino (2015)
Fam. Cotingidae				
<i>Cephalopterus ornatus</i>	Amazonian umbrellabird	LC	<i>Kaysius cotingae</i>	Carriker (1949b); Price and Dalglish (2002)
			<i>Cotingicola parmipapillae</i>	Valim and Weckstein (2011b)
<i>Pipreola intermedia</i>	Band-tailed fruiteater	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
			<i>Pseudocophorus peruvianus</i>	Carriker (1940)
<i>Pipreola pulchra</i>	Masked fruiteater	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Querula purpurata</i>	Purple-throated fruitcrow	LC	<i>Cotingicola stotzi</i>	Clayton and Price (1998)
<i>Rupicola peruviana</i>	Andean cock-of-the-rock	LC	<i>Cotingicola rupicolae</i>	Clayton and Price (1998)
<i>Snowornis subalaris</i>	Grey-tailed piha	NT	<i>Cotingicola fitzpatricki</i>	Clayton and Price (1998)
Fam. Formicariidae				
<i>Chamaeza campanisona</i>	Short-tailed anthrush	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Formicarius rufpectus</i>	Rufous-breasted anthrush	LC	<i>Formicicola analoides</i>	Price and Clayton (1995)
Fam. Fringillidae				
<i>Euphonia laniirostris</i>	Thick-billed euphonia	LC	<i>Ricinus tanagraephilus</i>	Valan et al. (2016)
<i>Euphonia mesochrysa</i>	Bronze-green euphonia	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Euphonia xanthogaster</i>	Orange-bellied euphonia	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Spinus magellanicus</i>	Hooded siskin	LC	<i>Myrsidea</i> sp.	Kolencik et al. (2017)
Fam. Furnariidae				
<i>Anabacerthia striaticollis</i>	Montane foliage-gleaner	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
			<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Asthenes helleri</i>	Puna thistletail	VU	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Asthenes modesta</i>	Cordilleran canastero	LC	<i>Machaerilaemus maestus</i>	Carriker (1944c); Price et al. (2002)
<i>Automolus ochrolaemus</i>	Buff-throated foliage-gleaner	LC	<i>Myrsidea ochrolaemi</i>	Valim et al. (2011)
			<i>Myrsidea</i> sp.	Soto-Patiño et al., 2018
<i>Automolus subulatus</i>	Amazonian woodhaunter	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
<i>Campylorhamphus trochilrostris</i>	Red-billed scythebill	LC	<i>Rallicola (Rallicola) palmai</i>	Price and Clayton (1993)
<i>Cinclodes nigrofumosus</i>	Seaside cinclodes	LC	<i>Myrsidea</i> sp.	Dale (1970)
<i>Clibanornis rubiginosus</i>	Ruddy foliage-gleaner	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
<i>Deconychura longicauda</i>	Northern long-tailed woodcreeper	LC	<i>Rallicola (Rallicola) harveyi</i>	Price and Clayton (1993)
<i>Dendrocincla fuliginosa</i>	Plain-brown woodcreeper	LC	<i>Rallicola (Rallicola) fuliginosa</i>	Price and Clayton (1993)
			<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
<i>Dendrocolaptes picumnus</i>	Black-banded woodcreeper	LC	<i>Rallicola (Rallicola) keymerae</i>	Price and Clayton (1993)
<i>Furnarius leucopus</i>	Pale-legged hornero	LC	<i>Furnariophilus pagei</i>	Price and Clayton (1995)
<i>Glyphorhynchus spirurus</i>	Wedge-billed woodcreeper	LC	<i>Myrsidea dalglishi</i>	Valim et al. (2011)
			<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Mayriphilopterus ernsti</i>	Príncipe et al. (2020)
			<i>Rallicola (Rallicola) cephalosa</i>	Price and Clayton (1993)
			<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
			<i>Kaysius emersoni</i>	Price and Clayton (1989)
<i>Lochmias nematura</i>	Streamcreeper	LC	<i>Myrsidea strobilisternata</i>	Valim et al. (2011)
<i>Margarornis squamiger</i>	Pearled treerunner	LC	<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)

Appendix 1. (Cont.)

Specie	Common names	IUCN	Lice	References
<i>Philydor erythrocerum</i>	Rufous-rumped foliage-gleaner	LC	<i>Ricinus frenatus</i>	Príncipe et al. (2020)
			<i>Mayriphilopterus ernsti</i>	Príncipe et al. (2020)
			<i>Rallicola (Rallicola) inexpectata</i>	Price and Clayton (1994)
<i>Phleocryptes melanops</i>	Wren-like rushbird	LC	<i>Rallicola (Rallicola) titicacae</i>	Price and Clayton (1994); Carriker (1944c)
<i>Premnoplex brunnescens</i>	Spotted barbtail	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Rallicola (Rallicola) mooreae</i>	Price and Clayton (1994)
<i>Sclerurus caudacutus</i>	Black-tailed leaftosser	LC	<i>Furnariphilus parkeri</i>	Price and Clayton (1995)
			<i>Rallicola (Rallicola) tompkinsi</i>	Price and Clayton (1994)
<i>Sclerurus mexicanus</i>	Tawny-throated leaftosser	LC	<i>Furnariphilus griffithsi</i>	Price and Clayton (1995)
<i>Synallaxis azarae</i>	Azara's spinetail	LC	<i>Furnariphilus</i> sp.	Soto-Patiño et al. (2018)
<i>Synallaxis cabanisi</i>	Cabanis's spinetail	NT	<i>Rallicola (Rallicola) titicacae</i>	Carriker (1966); Price and Clayton (1994)
<i>Syndactyla rufosuperciliata</i>	Buff-browed foliage-gleaner	LC	<i>Rallicola (Rallicola) hambleri</i>	Price and Clayton (1994)
<i>Syndactyla ucalayae</i>	Peruvian recurvebill	NT	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Thripadectes holostictus</i>	Striped treehunter	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Furnariphilus</i> sp.	Soto-Patiño et al. (2018)
<i>Thripadectes melanorhynchus</i>	Black-billed treehunter	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Rallicola (Rallicola) leeeae</i>	Price and Clayton (1994)
			<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
<i>Xenops minutus</i>	White-throated xenops	LC	<i>Rallicola (Rallicola) inexpectata</i>	Price and Clayton (1994)
<i>Xiphocolaptes promeropirhynchus</i>	Strong-billed woodcreeper	LC	<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
<i>Xiphorhynchus ocellatus</i>	Ocellated woodcreeper	LC	<i>Rallicola (Rallicola) chunchotambo</i>	Carriker (1944c); Price and Clayton (1993)
<i>Xiphorhynchus triangularis</i>	Olive-backed woodcreeper	LC	<i>Rallicola (Rallicola) chunchotambo</i>	Price and Clayton (1993)
			<i>Rallicola</i> sp.	Soto-Patiño et al. (2018)
Fam. Grallariidae				
<i>Grallaria ruficapilla</i>	Chestnut-crowned antpitta	LC	<i>Menacanthus eurysternus</i>	Price (1975)
<i>Grallaria flavirostris</i>	Ochre-breasted antpitta	NT	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Myrmothera campanisona</i>	Thrush-like antpitta	LC	<i>Formicaphagus pitassomae</i>	Price and Clayton (1996)
Fam. Icteridae				
<i>Amblycercus holosericeus</i>	Yellow-billed cacique	LC	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Cacicus solitarius</i>	Solitary cacique	LC	<i>Bizarriifrons quasymmetricus</i>	Valim and Palma (2012)
<i>Cacicus uropygialis</i>	Subtropical cacique	LC	<i>Myrsidea laciniata</i>	Clay (1968)
<i>Psarocolius angustifrons</i>	Russet-backed oropendola	LC	<i>Bizarriifrons latifrons</i>	Valim and Palma (2012)
			<i>Myrsidea tropicalis</i>	Clay (1968)
<i>Psarocolius decumanus</i>	Crested oropendola	LC	<i>Bizarriifrons magus</i>	Valim and Palma (2012)
			<i>Myrsidea downsi</i>	Clay (1968)
Fam. Mimidae				
<i>Mimus longicaudatus</i>	Long-tailed mockingbird	LC	<i>Myrsidea</i> sp.	Dale (1970)
			<i>Brueelia brunneinucha</i>	Gomez-Puerta and Cribillero (2015)
Fam. Parulidae				
<i>Myioborus miniatus</i>	Slate-throated whitestart	LC	<i>Menacanthus</i> sp.	Soto-Patiño et al. (2018)
			<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Myiothlypis bivittata</i>	Two-banded warbler	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Myiothlypis coronata</i>	Russet-crowned warbler	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Myiothlypis luteoviridis</i>	Northern citrine warbler	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Myiothlypis signata</i>	Pale-legged warbler	LC	<i>Menacanthus</i> sp.	Soto-Patiño et al. (2018)
			<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
			<i>Picicola</i> sp.	Soto-Patiño et al. (2018)
Fam. Passerellidae				
<i>Arremon taciturnus</i>	Pectoral sparrow	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Atlapetes melanoaemus</i>	Black-faced brush-finch	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Chlorospingus flavigularis</i>	Yellow-throated bush-tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Chlorospingus flavopectus</i>	Common bush-tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Chlorospingus parvirostris</i>	Short-billed bush-tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
Fam. Pipridae				
<i>Chiroxiphia boliviana</i>	Yungas manakin	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
			<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Lepidothrix coeruleocapilla</i>	Cerulean-capped manakin	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
			<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
			<i>Rallicola (Rallicola) inexpectata</i>	Carriker (1966); Price and Clayton (1994)
<i>Lepidothrix coronata</i>	Blue-crowned manakin	LC	<i>Myrsidea edgarsmithi</i>	Dalgleish and Price (2003)
<i>Machaeropterus pyrocephalus</i>	Fiery-capped manakin	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
			<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Manacus manacus</i>	White-bearded manakin	LC	<i>Myrsidea edgarsmithi</i>	Dalgleish and Price (2003)
<i>Pipra fasciicauda</i>	Band-tailed manakin	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Pipra filicauda</i>	Wire-tailed manakin	LC	<i>Myrsidea edgarsmithi</i>	Dalgleish and Price (2003)
<i>Pseudopipra pipra</i>	White-crowned manakin	LC	<i>Rallicola (Rallicola) pipraphaga</i>	Price and Clayton (1993)
Fam. Rhinocryptidae				
<i>Scytalopus magellanicus</i>	Magellanic tapaculo	LC	<i>Rallicola (Rallicola) hylactiphaga</i>	Carriker (1966); Price and Clayton (1994)
Fam. Thamnophilidae				
<i>Dysithamnus mentalis</i>	Plain antvireo	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Formicaphagus</i> sp.	Soto-Patiño et al. (2018)
<i>Myrmelastes leucostigma</i>	Spot-winged antbird	LC	<i>Formicaphagus clypeatus</i>	Price and Clayton (1996)
<i>Myrmoborus myotherinus</i>	Black-faced antbird	LC	<i>Formicaphagus</i> sp.	Soto-Patiño et al. (2018)
<i>Myrmotherula schisticolor</i>	Slaty antwren	LC	<i>Formicaphagus picturatus</i>	Carriker (1957)
<i>Phlegopsis nigromaculata</i>	Black-spotted bare-eye	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Pyrgilena leuconata</i>	White-backed fire-eye	LC	<i>Rallicola (Rallicola) chunchotambo</i>	Price and Clayton (1993); Carriker (1966)
			<i>Formicaphagus</i> sp.	Soto-Patiño et al. (2018)
			<i>Rallicola (Rallicola) chunchotambo</i>	Price and Clayton (1993); Carriker (1966)
<i>Rhegmatorhina melanosticta</i>	Hairy-crested antbird	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Sciaphylax hemimelaena</i>	Southern chestnut-tailed antbird	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Thamnophilus caerulescens</i>	Variable antshrike	LC	<i>Machaerilaemus</i> sp.	Soto-Patiño et al. (2018)
			<i>Formicaphagus</i> sp.	Soto-Patiño et al. (2018)
<i>Thamnophilus doliatus</i>	Barred antshrike	LC	<i>Myrsidea dacostai</i>	Price et al. (2008b)
<i>Thamnophilus ruficapillus</i>	Southern rufous-capped antshrike	LC	<i>Formicaphagus thamnophili</i>	Cicchino and Valim (2008)
<i>Willisornis poecilinotus</i>	Common scale-backed antbird	LC	<i>Mayriphilopterus ernsti</i>	Príncipe et al. (2020)
Fam. Thraupidae				
<i>Buthraupis montana</i>	Hooded mountain-tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Chlorochrysa calliparaea</i>	Orange-eared tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Chlorornis riefferii</i>	Grass-green tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Coereba flaveola</i>	Bananaquit	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Conirostrum albifrons</i>	Capped conebill	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Diglossa brunneiventris</i>	Black-throated flowerpiercer	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Diglossa cyanea</i>	Masked flowerpiercer	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Diglossa glauca</i>	Deep-blue flowerpiercer	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Diglossa mystacalis</i>	Moustached flowerpiercer	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Iridosornis analis</i>	Yellow-throated tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
			<i>Brueelia</i> sp.	Soto-Patiño et al. (2018)
<i>Iridosornis jelskii</i>	Golden-collared tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)

Appendix 1. (Cont.)

Specie	Common names	IUCN	Lice	References
<i>Ramphocelus carbo</i>	Silver-beaked tanager	LC	<i>Myrsidea</i> sp. <i>Machaerilaemus laticorpus</i> <i>Myrsidea ramphoceli</i>	Soto-Patiño et al. (2018) Price et al. (2002) Price and Dalglish (2006)
<i>Saltator grossus</i>	Slate-colored grosbeak	LC	<i>Myrsidea markhafneri</i>	Price et al. (2008)
<i>Saltator maximus</i>	Buff-throated saltator	LC	<i>Brueelia</i> sp.	Soto-Patiño et al. (2018)
<i>Sphenopsis melanotis</i>	Black-eared hemispingus	LC	<i>Myrsidea</i> sp. <i>Ricinus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Sporathraupis cyanocephala</i>	Blue-capped tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Sporophila angolensis</i>	Chestnut-bellied seed-finch	LC	<i>Machaerilaemus laticorpus</i>	Price et al. (2002)
<i>Sporophila nigricollis</i>	Yellow-bellied seedeater	LC	<i>Myrsidea</i> sp.	Kolencik et al. (2017)
<i>Tangara arthus</i>	Chestnut-breasted tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Tangara chilensis</i>	Paradise tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Tangara cyanicollis</i>	Blue-necked tanager	LC	<i>Myrsidea</i> sp. <i>Brueelia</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Tangara gyrola</i>	Bay-headed tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Tangara nigroviridis</i>	Beryl-spangled tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Tangara punctata</i>	Spotted tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Tangara schrankii</i>	Green-and-gold tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Thlypopsis ruficeps</i>	Rust-and-yellow tanager	LC	<i>Ricinus</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Thlypopsis superciliaris</i>	Eyebrowed hemispingus	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Tangara episcopus</i>	Blue-grey tanager	LC	<i>Myrsidea seminuda</i>	Kolencik et al. (2017)
<i>Trichothraupis melanops</i>	Black-goggled tanager	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
Fam. Tityridae				
<i>Myiobius barbatus</i>	Whiskered flycatcher	LC	<i>Myrsidea barbati</i>	Price et al. (2005)
<i>Schiffornis turdine</i>	Brown-winged mourner	LC	<i>Myrsidea blattae</i>	Dalglish and Price (2005)
Fam. Troglodytidae				
<i>Campylorhynchus fasciatus</i>	Fasciated wren	LC	<i>Myrsidea fasciata</i>	Sychra et al. (2014)
<i>Henicorhina leucophrys</i>	Grey-breasted wood-wren	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Troglodytes aedon</i>	House wren	LC	<i>Penenirmus albiventris</i>	Sychra et al. (2014)
Fam. Turdidae				
<i>Catharus fuscater</i>	Slaty-backed nightingale-thrush	LC	<i>Myrsidea simplex</i>	Ansari (1956)
<i>Catharus ustulatus</i>	Russet-backed thrush	LC	<i>Myrsidea</i> sp. <i>Brueelia</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Entomodestes leucotis</i>	White-eared solitaire	LC	<i>Myrsidea</i> sp. <i>Brueelia</i> sp. <i>Stumidoecus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Myadestes rolloides</i>	Andean solitaire	LC	<i>Myrsidea</i> sp. <i>Brueelia</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Turdus fuscater</i>	Great thrush	LC	<i>Myrsidea</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Turdus ignobilis</i>	Black-billed thrush	LC	<i>Myrsidea varia</i>	Ansari (1956)
<i>Turdus leucops</i>	Pale-eyed thrush	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Turdus maranonicus</i>	Marañón thrush	LC	<i>Myrsidea indigenella</i>	Ansari (1956)
<i>Turdus serranus</i>	Glossy-black thrush	LC	<i>Menacanthus</i> sp. <i>Myrsidea devastator</i> <i>Myrsidea</i> sp. <i>Ricinus</i> sp. <i>Brueelia</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Ansari (1956) Soto-Patiño et al. (2018) Soto-Patiño et al. (2018) Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
Fam. Tyrannidae				
<i>Agriornis montanus</i>	Black-billed shrike-tyrant	LC	<i>Machaerilaemus maestus</i>	Carriker (1944c)
<i>Conopias cinchoneti</i>	Lemon-browed flycatcher	VU	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Lathrotriccus griseipectus</i>	Grey-breasted flycatcher	VU	<i>Ricinus frenatus</i> <i>Mayriphilopterus ernsti</i>	Príncipe et al. (2020) Príncipe et al. (2020)
<i>Leptopogon amaurocephalus</i>	Sepia-capped flycatcher	LC	<i>Myrsidea</i> sp.	Kolencik et al. (2018)
<i>Leptopogon superciliaris</i>	Slaty-capped flycatcher	LC	<i>Myrsidea</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Lophotriccus pileatus</i>	Scale-crested pygmy-tyrant	LC	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Mionectes oleagineus</i>	Ochre-bellied flycatcher	LC	<i>Myrsidea oleaginei</i> <i>Myrsidea</i> sp.	Price et al. (2005); Kolencik et al. (2018) Soto-Patiño et al. (2018)
<i>Mionectes olivaceus</i>	Olive-streaked flycatcher	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
<i>Mionectes striatocollis</i>	Streak-necked flycatcher	LC	<i>Myrsidea</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Mitrephanes olivaceus</i>	Olive flycatcher	LC	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Muscisaxicola alpinus</i>	Plain-capped ground-tyrant	LC	<i>Machaerilaemus maestus</i>	Price et al. (2002)
<i>Myiarchus ferox</i>	Short-crested flycatcher	LC	<i>Menacanthus distinctus</i>	Price (1977)
<i>Myiophobus inornatus</i>	Unadorned flycatcher	LC	<i>Ricinus</i> sp.	Soto-Patiño et al. (2018)
<i>Ochthoeca cinnamomeiventris</i>	Slaty-backed chat-tyrant	LC	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Ochthoeca rufipectoralis</i>	Rufous-breasted chat-tyrant	LC	<i>Philopterus</i> sp. <i>Machaerilaemus laticorpus</i>	Soto-Patiño et al. (2018) Price et al. (2002); Carriker (1944c)
<i>Pogonotriccus ophthalmicus</i>	Marble-faced bristle-tyrant	LC	<i>Myrsidea</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Pogonotriccus poecilotis</i>	Variiegated bristle-tyrant	LC	<i>Machaerilaemus laticorpus</i>	Price et al. (2002)
<i>Pitangus sulphuratus</i>	Great kiskadee	LC	<i>Myrsidea pitangi</i>	Kolencik et al. (2018)
<i>Pogonotriccus ophthalmicus</i>	Marble-faced bristle-tyrant	LC	<i>Myrsidea</i> sp. <i>Philopterus</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Pogonotriccus poecilotis</i>	Variiegated bristle-tyrant	LC	<i>Machaerilaemus maestus</i>	Price et al. (2002)
<i>Polioptila rufipennis</i>	Rufous-webbed bush-tyrant	LC	<i>Machaerilaemus maestus</i>	Price et al. (2002); Carriker (1944c)
<i>Pyrrhomyias cinnamomeus</i>	Cinnamon flycatcher	LC	<i>Philopterus</i> sp.	Soto-Patiño et al. (2018)
<i>Silvicultrix frontalis</i>	Crowned chat-tyrant	LC	<i>Philopterus</i> sp. <i>Myrsidea</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Silvicultrix pulchella</i>	Golden-browed chat-tyrant	LC	<i>Philopterus</i> sp. <i>Myrsidea</i> sp.	Soto-Patiño et al. (2018) Soto-Patiño et al. (2018)
<i>Tolmomyias flaviventris</i>	Ochre-ored flatbill	LC	<i>Myrsidea flaviventris</i>	Price et al. (2005)
Order Pelecaniformes				
Fam. Pelecanidae				
<i>Pelecanus thagus</i>	Peruvian pelican	NT	<i>Colpocephalum occidentalis</i> <i>Piagetiella chilensis</i> <i>Piagetiella</i> sp. <i>Pectinopygus occidentalis</i>	Dale (1970) Dale (1970) Vásquez and Chávez (1960) Dale (1970)
Fam. Ardeidae				
<i>Bubulcus ibis</i>	Cattle egret	LC	<i>Ciconiophilus decimfasciatus</i> <i>Ardeicola expallidus</i>	Dourojaanni et al. (1968) Dale (1970); Dourojaanni et al. (1968)
<i>Nycticorax nycticorax</i>	Black-crowned night-heron	LC	<i>Colpocephalum holzenthali</i> <i>Ardeicola goisagi</i> <i>Ciconiophilus decimfasciatus</i>	Dale (1970) Dale (1970) Carriker (1964)
Fam. Threskiornithidae				
<i>Plegadis ridgwayi</i>	Puna ibis	LC	<i>Colpocephalum holzenthali</i> <i>Plegadiphilus</i> sp. <i>Ardeicola ovisignatus</i> <i>Ibidoecus plegadii</i> <i>Ibidoecus</i> sp.	Dale (1970) Dale (1970) Dale (1970) Dale (1970); Carriker (1947) Dale (1970)
Order Phaethontiformes				
Fam. Phaethontidae				
<i>Phaethon aethereus</i>	Red-billed tropicbird	LC	<i>Austromenopon becki</i>	Dale (1970)

Appendix 1. (Cont.)

Specie	Common names	IUCN	Lice	References
Order Phoenicopteriformes				
Fam. Phoenicopteridae				
<i>Phoenicopterus chilensis</i>	Chilean flamingo	NT	<i>Colpocephalum heterosoma</i>	Dale (1970)
			<i>Anaticola phoenicopteris</i>	Dale (1970)
Order Piciformes				
Fam. Bucconidae				
<i>Bucco capensis</i>	Collared puffbird	LC	<i>Picicola naokii</i>	Price and Weckstein (2006)
<i>Chelidoptera tenebrosa</i>	Swallow-winged puffbird	LC	<i>Picicola faucetti</i>	Price and Weckstein (2006)
<i>Cyphos macrodactylus</i>	Chestnut-capped puffbird	LC	<i>Picicola naokii</i>	Price and Weckstein (2006)
<i>Haploptila castanea</i>	White-faced nunbird	LC	<i>Picicola striata</i>	Price and Weckstein (2006)
<i>Malacoptila fulvogularis</i>	Black-streaked puffbird	LC	<i>Picicola striata</i>	Price and Weckstein (2006)
<i>Malacoptila semicincta</i>	Semicollared puffbird	LC	<i>Picicola osheai</i>	Price and Weckstein (2006)
<i>Monasa morphoeus</i>	White-fronted nunbird	LC	<i>Mayriphlopterus ernsti</i>	Mey (2004)
<i>Notharchus macrorhynchos</i>	Guianan puffbird	LC	<i>Picicola oneilli</i>	Price and Weckstein (2006)
<i>Notharchus tectus</i>	Greater pied puffbird	LC	<i>Picicola valquii</i>	Price and Weckstein (2006)
Fam. Capitonidae				
<i>Eubucco versicolor</i>	Blue-moustached barbet	LC	<i>Myrsidea</i> sp.	Soto-Patiño et al. (2018)
Fam. Galbulidae				
<i>Galbula cyanescens</i>	Bluish-fronted jacamar	LC	<i>Mayriphlopterus galbulicus</i>	Mey (2004)
			<i>Picicola galbulica</i>	Price and Weckstein (2006)
<i>Galbula tombacea</i>	White-chinned jacamar	LC	<i>Picicola galbulica</i>	Price and Weckstein (2006)
<i>Jacamerops aureus</i>	Great jacamar	LC	<i>Mayriphlopterus brevicephalus</i>	Mey (2004)
Fam. Picidae				
<i>Campephilus melanoleucos</i>	Crimson-crested woodpecker	LC	<i>Menacanthus exsanguis</i>	Carriker and Emerson (1967a)
<i>Colaptes rupicola</i>	Southern Andean flicker	LC	<i>Colpocephalum pectinatum</i>	Dale (1970)
			<i>Menacanthus pici</i>	Carriker and Emerson (1967a); Gomez-Puerta and Cribillero (2015)
			<i>Penenirmus jungens</i>	Gomez-Puerta and Cribillero (2015)
Fam. Ramphastidae				
<i>Andigena hypoglaucus</i>	Grey-breasted mountain-toucan	NT	<i>Austrophilopterus andigenae</i>	Carriker (1950)
<i>Aulacorhynchus atrogularis</i>	Black-throated toucanet	LC	<i>Austrophilopterus truncatus</i>	Carriker (1950)
<i>Aulacorhynchus coeruleicinctis</i>	Blue-banded toucanet	LC	<i>Austrophilopterus truncatus</i>	Carriker (1950); Price and Weckstein (2005)
<i>Aulacorhynchus derbianus</i>	Chestnut-tipped toucanet	LC	<i>Austrophilopterus truncatus</i>	Carriker (1950); Price and Weckstein (2005)
<i>Aulacorhynchus prasinus</i>	Emerald toucanet	LC	<i>Austrophilopterus truncatus</i>	Price and Weckstein (2005)
<i>Pteroglossus azara</i>	Ivory-billed araçari	LC	<i>Austrophilopterus cancellosus</i>	Carriker (1950)
			<i>Austrophilopterus flavirostris</i>	Price and Weckstein (2005)
			<i>Myrsidea dorotheae</i>	Price et al. (2004)
<i>Pteroglossus castanotis</i>	Chestnut-eared araçari	LC	<i>Austrophilopterus cancellosus</i>	Carriker (1950)
			<i>Austrophilopterus flavirostris</i>	Price and Weckstein (2005)
<i>Pteroglossus inscriptus</i>	Lettered araçari	LC	<i>Myrsidea dorotheae</i>	Price et al. (2004)
<i>Ramphastos ambiguus</i>	Yellow-throated toucan	NT	<i>Myrsidea extranea</i>	Price et al. (2004)
			<i>Austrophilopterus cancellosus</i>	Carriker (1950); Price and Weckstein (2005)
<i>Ramphastos tucanus</i>	Red-billed toucan	VU	<i>Myrsidea extranea</i>	Price et al. (2004)
			<i>Myrsidea peruviana</i>	Price et al. (2004)
<i>Ramphastos cuvieri</i>	Cuvier's toucan	LC	<i>Austrophilopterus cancellosus</i>	Carriker (1950); Price and Weckstein (2005)
			<i>Ramphasticola hirsuta</i>	Hellenthal et al. (2005)
			<i>Ramphasticola moylei</i>	Hellenthal et al. (2005)
<i>Ramphocelus carbo</i>	Silver-beaked tanager	LC	<i>Myrsidea ramphoceli</i>	Price and Dagleish (2006)
Order Podicipediformes				
Fam. Podicipedidae				
<i>Podiceps taczanowskii</i>	Junin grebe	CR	<i>Pseudomenopon dolium</i>	Price (1974)
Order Procellariiformes				
Fam. Diomedidae				
<i>Phoebastria irrorata</i>	Waved albatross	CR	<i>Perineus oblongus</i>	Dale (1970)
			<i>Harrisoniella ferox</i>	Dale (1970)
Fam. Hydrobatidae				
<i>Hydrobates hornbyi</i>	Ringed storm-petrel	NT	<i>Philoceanus amadoni</i>	Gomez-Puerta and Lujan-Vega (2018)
			<i>Austromenopon oceanodromae</i>	Price and Clay (1972)
<i>Hydrobates markhami</i>	Markham's storm-petrel	NT	<i>Philoceanus amadoni</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Hydrobates tethys</i>	Wedge-rumped storm-petrel	LC	<i>Austromenopon oceanodromae</i>	Price and Clay (1972)
Fam. Procellariidae				
<i>Ardenna grisea</i>	Sooty shearwater	NT	<i>Halipeurus (Halipeurus) diversus</i>	Dale (1970)
			<i>Trabeculus</i> sp.	Dale (1970)
Order Psittaciformes				
Fam. Psittacidae				
<i>Amazona amazonica</i>	Orange-winged Amazon	LC	<i>Psittacobrosus amazonicus</i>	Gomez-Puerta and Lujan-Vega (2018)
			<i>Paragoniocotes nanus</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Amazona mercenaria</i>	Scaly-naped Amazon	LC	<i>Heteromenopon (Heteromenopon) aurifrons</i>	Price and Beer (1967)
<i>Ara macao</i>	Scarlet macaw	LC	<i>Psittacobrosus burmeisteri</i>	Gomez-Puerta and Lujan-Vega (2018)
			<i>Paragoniocotes mirabilis</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Psittacara wagleri</i>	Scarlet-fronted parakeet	NT	<i>Heteromenopon (Heteromenopon) aurifrons</i>	Price and Beer (1967)
<i>Aratinga weddellii</i>	Dusky-headed parakeet	LC	<i>Paragoniocotes pyrrhurae</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Brotogeris cyanopectera</i>	Cobalt-winged parakeet	LC	<i>Paragoniocotes fulvofasciatus</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Forpus coelestis</i>	Pacific parrotlet	LC	<i>Psittacobrosus brotogerisi</i>	Price and Beer (1968)
			<i>Psittacobrosus forpi</i>	Price and Beer (1968)
<i>Forpus</i> sp.			<i>Paragoniocotes neivai</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Melopsittacus undulatus</i>	Budgerigar	LC	<i>Neopsittaconirmus gracilis</i>	Gomez-Puerta and Lujan-Vega (2018)
<i>Pionus menstruus</i>	Blue-headed parrot	LC	<i>Psittacobrosus amazonicus</i>	Price and Beer (1968)
<i>Psilopsiagon aurifrons</i>	Mountain parakeet	LC	<i>Heteromenopon (Heteromenopon) aurifrons</i>	Price and Beer (1967)
<i>Psittacara leucophthalmus</i>	White-eyed parakeet	LC	<i>Paragoniocotes aratingae</i>	Gomez-Puerta and Cribillero (2015)
Order Strigiformes				
Fam. Strigidae				
<i>Athene cunicularia</i>	Burrowing owl	LC	<i>Strigiphilus speotyti</i>	Carriker (1966b); Dale (1970)
<i>Bubo virginianus</i>	Great horned owl	LC	<i>Strigiphilus</i> sp.	Dale (1970)
			<i>Kurodaia</i> sp.	Dale (1970)
<i>Megascops guatemalae</i>	Guatemalan screech-owl	LC	<i>Strigiphilus crucigerus</i>	Clayton (1990)
<i>Megascops ingens</i>	Rufescent screech-owl	LC	<i>Strigiphilus crucigerus</i>	Clayton (1990)
<i>Megascops watsonii</i>	Tawny-bellied screech-owl	LC	<i>Strigiphilus crucigerus</i>	Clayton (1990)
<i>Athene cunicularia</i>	Burrowing owl	LC	<i>Colpocephalum pectinatum</i>	Dale (1970)
Order Struthioniformes				
Fam. Tinamidae				
<i>Crypturellus atropapillus</i>	Black-capped tinamou	NT	<i>Physconella kelloggi</i>	Carriker (1936)
<i>Crypturellus obsoletus</i>	Brown tinamou	LC	<i>Pectenosoma verrucosa</i>	Carriker (1936)
			<i>Kelloggia coniceps</i>	Carriker (1936)
			<i>Kelloggia latithorax</i>	Carriker (1936)
			<i>Megaginus emarginatus</i>	Carriker (1936)
			<i>Physconella kelloggi</i>	Carriker (1936)
			<i>Pseudolipeurus longipes</i>	Carriker (1936)
			<i>Rhopaloceras brevitemporalis</i>	Carriker (1936)
			<i>Strongylocotes complantus</i>	Carriker (1944a)
			<i>Strongylocotes nirmoides</i>	Carriker (1936, 1940)

Appendix 1. (Cont.)

Specie	Common names	IUCN	Lice	References
<i>Crypturellus soui</i>	Little tinamou	LC	<i>Heptapsogaster madibularis</i>	Carriker (1944)
			<i>Kelloggia coniceps</i>	Carriker (1936)
			<i>Megaginus emarginatus</i>	Carriker (1944)
			<i>Megaginus quadrithorax</i>	Carriker (1936)
			<i>Megapeostus platycephalus</i>	Carriker (1936)
			<i>Pectenosoma verrucosa</i>	Carriker (1936, 1944a)
			<i>Physconella kelloggi</i>	Carriker (1936)
			<i>Pseudolipeurus subsimilis</i>	Carriker (1936)
			<i>Rhopaloceras rudimentarius</i>	Carriker (1936)
			<i>Strongylocotes subconiceps</i>	Carriker (1936)
<i>Crypturellus undulatus</i>	Undulated tinamou	LC	<i>Heptapsogaster madibularis</i>	Carriker (1944)
			<i>Pectenosoma verrucosa</i>	Carriker (1936, 1944a)
			<i>Pseudophilopterus hirsutus</i>	Carriker (1936)
			<i>Rhopaloceras rudimentarius</i>	Carriker (1936)
<i>Crypturellus variegatus</i>	Variiegated tinamou	LC	<i>Strongylocotes complantus</i>	Carriker (1936)
<i>Nothocercus nigrocapillus</i>	Hooded tinamou	VU	<i>Strongylocotes spinosus</i>	Carriker (1936, 1944a)
			<i>Trichodopeostus spinosus</i>	Carriker (1936)
			<i>Kelloggia intermedius</i>	Carriker (1936)
			<i>Nothocotus subsimilis</i>	Carriker (1936)
			<i>Physconella nothocercae</i>	Carriker (1936)
			<i>Physconella kelloggi</i>	Carriker (1936)
			<i>Pterocotes tergalis</i>	Carriker (1936)
<i>Nothoprocta curvirostris</i>	Curve-billed tinamou	LC	<i>Heptapsogaster tessellatus</i>	Carriker (1936)
<i>Nothoprocta ornata</i>	Ornate tinamou	LC	<i>Heptapsogaster tessellatus</i>	Carriker (1936)
			<i>Lamprocorpus hirsutus</i>	Carriker (1936)
			<i>Cuclotocephalus extraneus</i>	Carriker (1936)
<i>Nothoprocta pentlandi</i>	Andean tinamou	LC	<i>Cuclotocephalus secundus</i>	Carriker (1936)
			<i>Lamprocorpus spinosus</i>	Carriker (1936)
			<i>Colpocephalum turbinatum</i>	Gomez-Puerta and Cribillero, (2015)
<i>Nothura maculosa</i>	Spotted nothura	LC	<i>Heptapsogaster teres</i>	Clay (1937)
			<i>Heptapsogaster testudo</i>	Clay (1937)
<i>Tinamotis pentlandii</i>	Puna tinamou	LC	<i>Tinamotaecola andinae</i>	Hellenthal et al. (2002)
<i>Tinamus major</i>	Great tinamou	LC	<i>Megapeostus asymmetricus</i>	Clay (1937)
<i>Tinamus tao</i>	Grey tinamou	VU	<i>Pseudolipeurus taoi</i>	Carriker (1944)
			<i>Pterocotes aberrans</i>	Carriker (1936)
			<i>Rhopaloceras oniscus</i>	Carriker (1936)
Order Suliformes				
Fam. Fregatidae				
<i>Fregata magnificens</i>	Magnificent frigatebird	LC	<i>Pectinopygus</i> sp.	Dale (1970)
Fam. Phalacrocoracidae				
<i>Leucocarbo bougainvilliorum</i>	Guanay cormorant	NT	<i>Piagetiella</i> sp.	Vásquez and Chávez (1960)
			<i>Piagetiella transitans</i>	Dale (1970)
			<i>Eidmanniella pellucida</i>	Dale (1970)
			<i>Pectinopygus grubeni</i>	Dale (1970)
<i>Poikilocarbo gaimardi</i>	Red-legged cormorant	NT	<i>Eidmanniella pellucida</i>	Dale (1970)
			<i>Piagetiella</i> sp.	Dale (1970)
			<i>Pectinopygus</i> sp.	Dale (1970)
Fam. Sulidae				
<i>Sula dactylatra</i>	Masked booby	LC	<i>Pectinopygus</i> sp.	Dale (1970)
<i>Sula nebouxii</i>	Blue-footed booby	LC	<i>Eidmanniella albescens</i>	Ryan and Price (1969); Dale (1970)
			<i>Pectinopygus</i> sp.	Dale (1970)
<i>Sula variegata</i>	Peruvian booby	LC	<i>Eidmanniella albescens</i>	Ryan and Price (1969); Dale (1970)
			<i>Pectinopygus</i> sp.	Dale (1970)
Order Trogoniformes				
Fam. Trogonidae				
<i>Trogon collaris</i>	Collared trogon	LC	<i>Brueelia cicchini</i>	Valim and Weckstein (2011)