

# CDF Checklist of Galapagos Zoopathogens and Parasites

Sharon Deem, Gustavo Jiménez-Uzcátegui, Frauke Ziemmeck

**Last updated:** 31 May 2013

## Abstract

This Checklist of Galapagos Zoopathogens and Parasites includes a total of all 209 taxa reported from the Galapagos Islands.

For each name, detailed information is provided: its Galapagos distribution in islands groups or bioregions generated from the specimen records, comments about the taxonomy (especially synonyms), the origin (native and introduced), taxon status (accepted vs. rejected records) and relevant literature references.

## Introduction

This publication lists all species of Galapagos Zoopathogens and Parasites currently known.

Organisms that cause disease of Galapagos animals belong to many diverse groups including, but not limited to, flies, lice, fleas, worms, nematodes, protozoans, fungi, bacteria, yeasts, and viruses.

Native and endemic animals of this archipelago have long been protected against new diseases and parasites because of the extreme geographic isolation of the oceanic archipelago. They have long been able to co-evolve and adapt with their native and endemic parasites and pathogens.

Against newly introduced diseases, however, native species lack effective defenses. In this insular environment, which today is subjected to much anthropogenic disturbance, conservation ecology must better understand the role of these new diseases and the additional ecological stress that they may cause to the system.

## Methods

This checklist of all known Galapagos Zoopathogens and Parasites is automatically generated using the online database of the Charles Darwin Foundation Galapagos Species Checklist.

All CDF Galapagos Species Checklists represent the synthesis of many different records: literature citations, data from previously unpublished reports (grey literature), specimen records of natural history collections located in Galapagos and all over the world. To the best of their knowledge authors of the individual checklists revised all available data. When new information becomes available, the taxonomy of a group changes or new species are discovered, the CDF online database and thus this publication becomes updated.

For many poorly known species groups the higher taxonomic classification still regularly changes according to how our knowledge about species being related changes. In many well known groups the phylogeny is somewhat stable, but to avoid confusion, in particular for groups where taxonomic changes are frequent, all checklists presented here are sorted alphabetical according to genus name and specific epithet. Please refer to the website for the currently accepted taxonomic hierarchy of each group.

Please be aware that the distribution presented here is automatically generated from specimen records and does not always accurately reflect the known distribution for all species.

For marine species, the distribution generally refers to the five main bioregions of the archipelago (Far Northern, Northern, Western, South Eastern and the Elisabeth Bay Bioregion). For the terrestrial species more than 120 islands, islets and small rocks have been aggregated into Islands Groups, thus, for example, the island group "Santa Cruz" includes smaller islands like Santa Fé, Plaza Norte, Plaza Sur, Baltra, Daphne Mayor, Daphne Minor, and others.

IUCN red-list assessments presented here may deviate from the global IUCN list for the following reasons:

- for well known species groups like vascular plants or vertebrates updates proposed to the IUCN are shown instead of the outdated, but currently accepted status;
- for poorly known species groups (e.g., lichenized fungi) a general assessment is currently not possible and the list presented here is a regional red-list list for Galapagos archipelago.

Numbers of the species included in this list are auto-generated. Adding up the number of species in each category will not always equal the total number indicated. Some species have insufficient data to be categorized while others (e.g., category eradicated) will not be included in the total.

## Results

**Names of taxa included in this checklist:** 209 (177 accepted, 22 unidentified taxon, 4 preliminary identification, 1 problematic, 4 new to science), 1 rejected.

**Origin of the taxa included:** 35 accidental, 5 questionable accidental, 7 endemic, 8 indigenous.

### 1. *Actornithophilus grandiceps* Piaget, 1880

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).

### 2. *Actornithophilus incisus* (Piaget, 1880)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Senior syn.: *Colpocephalum incisum* Piaget, 1880 Synonym: *Colpocephalum milleri* Kellogg & Kuwana, 1902; "*Colpocephalum funebre*" (Kellogg, 1906); *Colpocephalum milleri* (Kellogg & Kuwana, 1902); Kellogg 1906; *Actornithophilus milleri* (Kellogg & Kuwana, 1902); Thompson 1938; *Actornithophilus incisus* (Piaget, 1880); Hopkins & Clay 1952; *Clypeodon incisus* (Piaget, 1880); Timmermann 1954; *Actornithophilus incisus* (Piaget, 1880); Clay in Linsley & Usinger 1966

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

### 3. *Aedes aegypti* Linnaeus 1762

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Bataille, A. et al. (2009), Causton, C.E. et al. (2008), Sinclair, B.J. et al. (2005), Zettel, C. et al. (2009).

4. *Amblyomma darwini* Hirst & Hirst, 1910  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Schatz, H. et al. (1991), Wikelski, M. et al. (1999).
5. *Amblyomma williamsii* Banks, 1924  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Schatz, H. et al. (1991), Wikelski, M. et al. (1999).
6. *Anatoecus icterodes* (Nitzsch, 1818)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
7. *Ancylostoma caninum* (Ercolani, 1859) Hall, 1913  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Gingrich, E.N. et al. (2010).
8. *Antarctophthirus microchir* (Trouessart & Neumann, 1888)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Española, Fernandina, Floreana, San Cristóbal, Santa Cruz.  
**References:** Dailey, M. et al. (2005), Palma, R.L. et al. (2013).
9. *Ascaridia galli* Schrank, 1788  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Gottdenker, N.L. et al. (2005).
10. *Atractis marquezii* Bursey & Flanagan, 2002  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Bursey, C.R. et al. (2002).
11. *Austromenopon albemarlei* (Kellogg & Kuwana, 1902) nom. dub.  
**Taxon status:** Taxonomic status unresolved or unrevised.  
**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966).

12. *Austromenopon beckii* (Kellogg, 1906)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Synonyms: *Menopon beckii* Kellogg, 1906; *Menopon becki* [sic] (Kellogg, 1906); Thompson 1938; *Austromenopon becki* [sic] (Kellogg, 1906); Hopkins & Clay 1952; *Austromenopon becki* [sic] (Kellogg, 1906); Clay in Linsley & Usinger 1966; *Austromenopon beckii* (Kellogg, 1906); Price et al. 2003

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).

13. *Austromenopon narboroughi* (Kellogg & Kuwana, 1902)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Synonyms: *Menopon narboroughi* Kellogg & Kuwana, 1902; “*Menopon numerosum*” Kellogg, 1906; *Menopon narboroughi* Kellogg & Kuwana, 1902; Kellogg 1906; *Procellariphaga narboroughi* (Kellogg & Kuwana, 1902); Hopkins & Clay 1952; *Austromenopon narboroughi* (Kellogg & Kuwana, 1902); Clay in Linsley & Usinger 1966; *Austromenopon narboroughi* (Kellogg & Kuwana, 1902); Price & Clay 1972

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).

14. *Austromenopon navigans* (Kellogg, 1896)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Synonyms: *Menopon navigans* Kellogg, 1896; *Menopon navigans* Kellogg, 1896; Kellogg 1906; *Procellariphaga navigans* (Kellogg, 1896); Hopkins & Clay 1952; *Austromenopon navigans* (Kellogg, 1896); Clay in Linsley & Usinger 1966; *Austromenopon navigans* (Kellogg, 1896); Price & Clay 1972; *Austromenopon bulleri* Price & Clay 1972

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).

15. *Austromenopon popellus* (Piaget, 1890)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Synonyms: *Menopon popellus* Piaget, 1890; *Procellariphaga popellus* (Piaget, 1890); Hopkins & Clay 1952; *Austromenopon popellus* (Piaget, 1890); Price & Clay 1972; *Austromenopon popellus* (Piaget, 1890); Linsley 1977

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1977), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

16. *Aviadenovirus sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (in prep.), Gottdenker, N.L. et al. (2005), International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Padilla, L.R. et al. (2003), Soos, C. et al. (2008), Travis, E.K. et al. (2006).

17. *Avibirnavirus Infectious bursal disease virus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (in prep.), Gottdenker, N.L. et al. (2005), International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).

18. *Avipoxvirus Fowlpox virus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (2008), Kleindorfer, S. et al. (2006), Parker, P.G. et al. (2011), Thiel, T. et al. (2005), Whiteman, N.K. et al. (2005).

19. *Avipoxvirus canarypox virus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (2008), Duffy, D. et al. (1980), Hansen, W. et al. (1999), International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Jiménez-Uzcátegui, G. et al. (2007), Kleindorfer, S. et al. (2006), Parker, P.G. et al. (2011), Thiel, T. et al. (2005), Vargas, H. et al. (1987), Whiteman, N.K. et al. (2005).

20. *Avulavirus Paramyxovirus-I*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (in prep.), Gottdenker, N.L. et al. (2005), International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).

21. *Axine cypseluri* (Meserve, 1938)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Cestracolpa cypseluri* Meserve, 1938

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Meserve, F.G. et al. (1938).

22. *Bartonella clarridgeiae* Lawson & Collins, 1996

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Levy, J.K. et al. (2008).

23. *Bartonella elizabethae* (Daly et al. 1993) Brenner et al. 1993

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Levy, J.K. et al. (2008).

24. *Bartonella henselae* (Regnery et al. 1992) Brenner et al. 1993

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela.

**References:** Levy, J.K. et al. (2008).

25. *Beauveria bassiana* (Bals.-Criv.) Vuill.

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Floreana, Santa Cruz.

26. *Bovicola caprae* (Ewing, 1936)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Bovicola* sp.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Palma, R.L. et al. (2013).

27. *Brueelia chelydensis* Hopkins, 1951

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

28. *Brueelia galapagensis* Kellogg & Kuwana, 1902

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (2011), Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).

29. *Brueelia interposita* Kellogg, 1899

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

30. *Brueelia* sp.  
**Taxon status:** Taxon not identified to species, subspecies, form or variety.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Parker, P.G. et al. (2006).
31. *Brueelia vulgata* (Kellogg, 1896)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Smith, V. (ed.) et al. (2012).
32. *Caligus irritans* Heller, 1865  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Wilson, C.B. et al. (1924).
33. *Cammacoronavirus avian coronavirus*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Questionable Accidental.  
**Galapagos Distribution:** Santa Cruz.
34. *Capillaria* sp.  
**Taxon status:** Taxon not identified to species, subspecies, form or variety.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Gottdenker, N.L. et al. (2005), Parker, P.G. et al. (2006).
35. *Chlamydophila psittaci* (Lillie, 1930) Everett et al. 1999  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Padilla, L.R. et al. (2006), Padilla, L.R. et al. (2004), Parker, P.G. et al. (2006), Travis, E.K. et al. (2006), Travis, E.K. et al. (2006).
36. *Colpocephalum heterosoma* Piaget, 1880  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).
37. *Colpocephalum spineum* Kellogg, 1899  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).

38. *Colpocephalum turbinatum* Denny, 1842

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Colpocephalum flavescens* Haan, 1829; *Colpocephalum unciferum* Kellogg, 1896

**Origin:** No Data.

**Galapagos Distribution:** Española, Fernandina, Isabela, Marchena, Pinta, Pinzón, Santa Fé, Santiago.

**References:** Palma, R.L. et al. (2013), Parker, P.G. et al. (2006), Peters, M.P. et al. (2009), Santiago-Alarcon, D. et al. (2008), Whiteman, N.K. et al. (2004), Whiteman, N.K. et al. (2007), Whiteman, N.K. et al. (2006), Whiteman, N.K. et al. (2004).

39. *Columbicola macrourae* (Wilson, 1941)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Española, Genovesa, Pinta, Santa Cruz, Santiago.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Parker, P.G. et al. (2006), Santiago-Alarcon, D. et al. (2008), Whiteman, N.K. et al. (2004).

40. *Contracecum* sp.

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2008), Parker, P.G. et al. (2006).

41. *Coronavirus Canine coronavirus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Levy, J.K. et al. (2008).

42. *Craspedorrhynchus dilatatus* (Rudow, 1869)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Craspedorrhynchus taurocephalus*, fide Smith (ed.) (2012)

**Origin:** No Data.

**Galapagos Distribution:** Unknown.

**References:** Linsley, E.G. et al. (1966), Smith, V. (ed.) et al. (2012).

43. *Craspedorrhynchus* sp. 1

**Taxon status:** Unpublished name (Nomen nudum).

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Palma, R.L. et al. (2013), Parker, P.G. et al. (2006), Whiteman, N.K. et al. (2009).



44. *Cryptosporidium sp.*  
**Taxon status:** Taxon not identified to species, subspecies, form or variety.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Gingrich, E.N. et al. (2010).
45. *Cuculiphilus snodgrassi* Kellogg & Kuwana, 1902  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013).
46. *Culex quinquefasciatus* Say 1823  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Isabela, San Cristóbal, Santa Cruz.  
**References:** Bataille, A. et al. (2009), Causton, C.E. et al. (2008), Gerecke, R. et al. (1995), Nishida, G.M. et al. (2000), Peck, S.B. et al. (1998), Sinclair, B.J. et al. (2005), Whiteman, N.K. et al. (2005).
47. *Culicoides pusillus* Lutz, 1913  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Borkent, A. et al. (1991), Linsley, E.G. et al. (1977), Peck, S.B. et al. (1998), Peck, S.B. et al. (1996), Sinclair, B.J. et al. (2005), Wirth, W.W. et al. (1969).
48. *Davainea proglottina* Davaine, 1860  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Gottdenker, N.L. et al. (2005).
49. *Degeeriella regalis* (Giebel, 1866)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Española, Fernandina, Isabela, Marchena, Pinta, Pinzón, Santa Fé, Santiago.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Parker, P.G. et al. (2006), Peters, M.P. et al. (2009), Santiago-Alarcon, D. et al. (2008), Whiteman, N.K. et al. (2004), Whiteman, N.K. et al. (2007), Whiteman, N.K. et al. (2006), Whiteman, N.K. et al. (2004).
50. *Deltapapillomavirus Bovine papillomavirus*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Questionable Accidental.  
**Galapagos Distribution:** Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010).

51. *Dermanyssus sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** O'Connor, B.M. et al. (2005).

52. *Dermoglyphus sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** O'Connor, B.M. et al. (2005).

53. *Derogenes varicus* (Müller, 1784)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940).

54. *Dirofilaria immitis* (Leidy, 1856)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela.

**References:** Levy, J.K. et al. (2008).

55. *Dispharynx sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005), Gottdenker, N.L. et al. (2008), Parker, P.G. et al. (2006).

56. *Docophoroides brevis* (Dufour, 1835)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Acc. name: *Docophoroides levequei*, fide Palma and Peck (2013)

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Smith, V. (ed.) et al. (2012).

57. *Docophoroides ferrisi* Harrison, 1937

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Docophoroides irroratae*, fide Smith (ed.) (2012); *Docophoroides levequei*, fide Palma and Peck (2013)

**Origin:** No Data.

**Galapagos Distribution:** Unknown.

**References:** Linsley, E.G. et al. (1977), Linsley, E.G. et al. (1966), Smith, V. (ed.) et al. (2012).

58. *Docophoroides levequei* Timmermann, 1963  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Syn.:** Docophoroides brevis (Dufour, 1835); Docophoroides ferrisi Harrison, 1937  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
59. *Eimeria albemarlensis* Couch, Stone, Duszynski, Snell & Snell, 1996  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Couch, L. et al. (1996).
60. *Eimeria palumbi* McQuiston, 1991  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** McQuiston, T.E. et al. (1991).
61. *Eimeria tropidura* Aquino-Shuster, Duszynski & Snell, 1990  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Aquino-Shuster, A.L. et al. (1990), Couch, L. et al. (1996).
62. *Elenchus koebeli* (Pierce, 1908)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Indigenous.  
**Galapagos Distribution:** Isabela, San Cristóbal, Santa Cruz.  
**References:** Abedrabbo, S. et al. (1990), Peck, S.B. et al. (1989), Peck, S.B. et al. (2001).
63. *Encotyllabe pagrosomi* MacCallum, 1917  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Meserve, F.G. et al. (1938).
64. *Enterovirus bovine enterovirus*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Questionable Accidental.  
**Galapagos Distribution:** Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010).
65. *Entomophthora sp. 1*  
**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Evans, Harry C. et al. (1982).

66. *Epidermoptes bilobatus* Rivolta, 1876

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005).

67. *Fusarium coccophilum* (Desm.) Wollenw. & Reinking

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Index Fungorum: anamorphic Puttemansia

**Origin:** No Data.

**Galapagos Distribution:** Floreana.

**References:** Kirk, P. (ed.) et al. (2010).

68. *Gammacoronavirus avian coronavirus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).

69. *Gen. Paramyxovirinae indet. Canine parainfluenza virus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).

70. *Gen. Parvovirinae indet. Canine parvovirus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).

71. *Gen. nov. Onchocercidae indet. sp. nov.*

**Taxon status:** Unpublished name (Nomen nudum).

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Merkel, J. et al. (2007), Parker, P.G. et al. (2006), Siers, S. et al. (2010).

72. *Giardia sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gingrich, E.N. et al. (2010).

73. *Gibellula pulchra* Cavara

**Taxon status:** Identification not yet confirmed.

**Origin:** No Data.

**Galapagos Distribution:** Isabela, Santa Cruz.

74. *Gitona braziliensis* Lima, 1950

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Carson, H.L. et al. (1983), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1998), Peck, S.B. et al. (1996), Sinclair, B.J. et al. (2005).

75. *Goniodes dissimilis* Denny, 1842

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Palma, R.L. et al. (2013).

76. *Haemoproteus sp. nov.*

**Taxon status:** Unpublished name (Nomen nudum).

**Origin:** No Data.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Márquez Rea, L.D. et al. (2009), Parker, P.G. et al. (2006), Santiago-Alarcon, D. et al. (2008), Santiago-Alarcon, D. et al. (2010).

77. *Halipeurus attenuatus* Edwards, 1961

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

78. *Halipeurus diversus* (Kellogg, 1896)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

79. *Halipeurus noctivagus* Timmermann, 1960

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Halipeurus intermedius*, fide Smith (ed.) (2012)

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Linsley, E.G. et al. (1977), Palma, R.L. et al. (2013), Smith, V. (ed.)

et al. (2012).

80. *Halipeurus pelagicus* (Denny, 1842)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

81. *Hamacreadium mutabile* Linton, 1910

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940).

82. *Heterakis gallinarum* Schrank, 1788

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Heterakis gallinae*

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005).

83. *Hirsutella guyana* Minter & B.L. Brady

**Taxon status:** Identification not yet confirmed.

Index Fungorum: anamorphic Ophiocordyceps

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Kirk, P. (ed.) et al. (2010).

84. *Hirsutella* sp. 1

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

Index Fungorum: anamorphic Ophiocordyceps

**Origin:** No Data.

**Galapagos Distribution:** Floreana, Santa Cruz.

**References:** Kirk, P. (ed.) et al. (2010).

85. *Hoplopleura nesoryzomydis* Ferris, 1921

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

86. *Icosta albipennis* (Say, 1823)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn: intertropicus Johnson (not Walker) 1924: 91 (Ornithoponus).

**Origin:** Native, Indigenous.

**Galapagos Distribution:** Santa Cruz.

**References:** Sinclair, B.J. et al. (2005).

87. *Icosta nigra* (Perty, 1833)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn: intertropica Walker 1849: 1144 (Ornithomyia); americanus Johnson (not Leach) 1924: 91 (Ornithoponus);

**Origin:** Native, Indigenous.

**Galapagos Distribution:** Española, Fernandina, Isabela, Pinta, Pinzón, Santa Fé, Santiago.

**References:** Madden, D. et al. (1998), Parker, P.G. et al. (2006), Sinclair, B.J. et al. (2005), Whiteman, N.K. et al. (2007), Whiteman, N.K. et al. (2006).

88. *Iltovirus Gallid herpesvirus 1*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).

89. *Isoospora canis* Nemeséri, 1959

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gingrich, E.N. et al. (2010).

90. *Isoospora daphnensis* McQuiston, 1990

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** McQuiston, T.E. et al. (1990).

91. *Isoospora exigua* McQuiston & Wilson, 1988

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Lindström, K.M. et al. (2009), McQuiston, T.E. et al. (1988).

92. *Isoospora fragmenta* McQuiston & Wilson, 1988

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Lindström, K.M. et al. (2009), McQuiston, T.E. et al. (1988).

93. *Isoospora geospizae* McQuiston & Wilson, 1989

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Dudaniec, R.Y. et al. (2005), McQuiston, T.E. et al. (1989).

94. *Isospora insularius* Aquino-Shuster, Duszynski, & Snell, 1990

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Aquino-Shuster, A.L. et al. (1990), Couch, L. et al. (1996).

95. *Isospora rotunda* McQuiston & Wilson, 1988

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** McQuiston, T.E. et al. (1988).

96. *Isospora temeraria* McQuiston & Wilson, 1988

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Lindström, K.M. et al. (2009), McQuiston, T.E. et al. (1988), McQuiston, T.E. et al. (1990).

97. *Lecanicillium lecanii* (Zimm.) Zare & W. Gams

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn.: *Torrubiella confragosa* Mains<br>Syn.: *Verticillium lecanii* (Zimm.) Viégas

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** San Cristóbal, Santa Cruz.

**References:** Evans, Harry C. et al. (1982).

98. *Lecanicillium muscarium* (Petch) Zare & W. Gams

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Questionable Accidental.

**Galapagos Distribution:** Santa Cruz.

99. *Lecithochirium microstomum* Chandler, 1935

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940).

100. *Leishmania donovani* (Laveran & Mesnil, 1903)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Levy, J.K. et al. (2008).



101. *Lepeophtheirus dissimulatus* Wilson, 1905  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Wilson, C.B. et al. (1924).
102. *Lipeurus caponis* (Linneus, 1758)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Palma, R.L. et al. (2013).
103. *Lobatostoma pacificum* Manter, 1940  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Endemic.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940), Manter, H.W. et al. (1940).
104. *Macrorhabdus sp.*  
**Taxon status:** Taxon not identified to species, subspecies, form or variety.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Gottdenker, N.L. et al. (2005), Tomaszewski, E.K. et al. (2003).
105. *Mardivirus Gallid herpesvirus 2*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).
106. *Mastadenovirus Canine adenovirus*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Isabela, Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).
107. *Medetera galapagensis* Bickel & Sinclair, 1997  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Endemic.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Bickel, D.J. et al. (1997), Sinclair, B.J. et al. (2005).
108. *Megaselia scalaris* (Loew, 1866)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Disney, R.H.L. et al. (2008), Linsley, E.G. et al. (1966), Peck, S.B. et al. (1998), Sinclair, B.J. et al. (2005).

109. *Menopon gallinae* Linnaeus, 1958

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Palma, R.L. et al. (2013).

110. *Mesalgoides geospizae* Mironov & Pérez, 2002

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Lindström, K.M. et al. (2009), O'Connor, B.M. et al. (2005).

111. *Microlynychia galapagoensis* Bequaert, 1955

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Native, Endemic.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Parker, P.G. et al. (2006), Sinclair, B.J. et al. (2005).

112. *Morbillivirus Canine distemper virus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).

113. *Mycoplasma gallisepticum* Edward & Kanarek 1960 (Approved Lists 1980)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (in prep.), Gottdenker, N.L. et al. (2005), Soos, C. et al. (2008).

114. *Mycoplasma haemocanis* (Kreier & Ristic, 1984)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela.

**References:** Levy, J.K. et al. (2008).

115. *Mycoplasma haemofelis* Neimark, Johansson, Rikihisa & Tully, 2002

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela.

**References:** Levy, J.K. et al. (2008).

116. *Myialges caulotoon* Speiser, 1907  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Fernandina, Santiago.  
**References:** Madden, D. et al. (1998), Parker, P.G. et al. (2006), Whiteman, N.K. et al. (2006).
117. *Myrsidea darwini* Palma & Price, 2010  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn.: *Eidmanniella incerta* Kellogg, 1896; *Myrsidea incerta* Kellogg, 1896  
**Origin:** Native, Endemic.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Palma, R.L. et al. (2013), Palma, R.L. et al. (2010).
118. *Myrsidea nesomimi borealis* Palma & Price, 2010  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Palma, R.L. et al. (2013), Palma, R.L. et al. (2010).
119. *Myrsidea nesomimi nesomimi* Palma & Price, 2010  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Palma, R.L. et al. (2013), Palma, R.L. et al. (2010).
120. *Myrsidea ridulosa* (Kellogg & Chapman, 1899)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Palma, R.L. et al. (2013), Palma, R.L. et al. (2010).
121. *Neobothriocephalus aspinosus* Mateo & Bullock, 1966  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Mateo, E. et al. (1966).
122. *Nesippus crypturus* Heller, 1865  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn.: *Nesippus costatus* Wilson C.B., 1924, fide Appeltans et al. (2010)  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Wilson, C.B. et al. (1924).

123. *Ochlerotatus taeniorhynchus* Wiedemann, 1821  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Indigenous.  
**Galapagos Distribution:** Floreana, Marchena, San Cristóbal, Santa Cruz.  
**References:** Sinclair, B.J. et al. (2005).
124. *Olfersia aenescens* Thomson, 1869  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn: diomedae Coquillett 1901a: 379 (Pseudolfersia); erythroptis Bigot 1885: 239.  
**Origin:** Native, Indigenous.  
**Galapagos Distribution:** Marchena, San Cristóbal.  
**References:** Linsley, E.G. et al. (1966), Sinclair, B.J. et al. (2005).
125. *Olfersia sordida* Bigot, 1885  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn: fossulata Coquillett (not Macquart) 1901a: 379.  
**Origin:** Native, Indigenous.  
**Galapagos Distribution:** Fernandina, Santiago.  
**References:** Madden, D. et al. (1998), Parker, P.G. et al. (2006), Sinclair, B.J. et al. (2005), Whiteman, N.K. et al. (2006).
126. *Olfersia spinifera* (Leach, 1817)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Indigenous.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Bequaert, J.C. et al. (1933), Curran, C.H. et al. (1932), Johnson, C.W. et al. (1924), Linsley, E.G. et al. (1966), Sinclair, B.J. et al. (2005).
127. *Orchidasma amphiorchis* (Braun, 1899)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010).
128. *Ornithodoros darwini* Kohls, Clifford & Hoogstraal, 1969  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Keirans, J.E. et al. (1980), Kohls, G.M. et al. (1969), Schatz, H. et al. (1991), Wikelski, M. et al. (1999).
129. *Ornithodoros galapagensis* Kohls, Clifford & Hoogstraal, 1969  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.

**References:** Keirans, J.E. et al. (1980), Kohls, G.M. et al. (1969), Schatz, H. et al. (1991), Wikelski, M. et al. (1999).

130. *Ornithoica vicina* (Walker, 1849)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Native, Indigenous.

**Galapagos Distribution:** Santa Cruz.

**References:** Sinclair, B.J. et al. (2005).

131. *Orthohalarachne diminuata* (Doetschman, 1944)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** San Cristóbal, Santa Cruz.

**References:** Dailey, M. et al. (2005).

132. *Orthoreovirus Avian orthoreovirus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005), International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).

133. *Osborniella crotophagae* (Stafford, 1943)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Palma, R.L. et al. (2013).

134. *Oxyspirura masoni* (Cobbold, 1879)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005).

135. *Pandarus satyrus* Dana, 1849

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Wilson, C.B. et al. (1924).

136. *Paraeuryorchis sarmientoi* (Tantalean, 1974)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010).

137. *Paralebion elongatus* Wilson, 1911  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Wilson, C.B. et al. (1924).
138. *Parapsyllus cedei* Smit, 1970  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Endemic.  
**Galapagos Distribution:** Genovesa, Santa Cruz.  
**References:** Linsley, E.G. et al. (1977), Peck, S.B. et al. (2001), Smit, F.G.A.M. et al. (1970).
139. *Parvovirus Feline panleukopenia virus*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Isabela, Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).
140. *Pectinopygus annulatus* (Piaget, 1880)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
141. *Pectinopygus gracilicornis fregatiphagus* (Eichler, 1843)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
142. *Pectinopygus nannopteri* (Ewing, 1924)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
143. *Pectinopygus sp.*  
**Taxon status:** Taxon not identified to species, subspecies, form or variety.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Parker, P.G. et al. (2006).
144. *Pectinopygus sulae* (Rudow, 1869)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

145. *Pediculus humanus capitis* De Geer, 1767

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Palma, R.L. et al. (2013).

146. *Perineus oblongus* Kéler, 1957

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

147. *Philoceanus becki* Kellogg, 1903

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

148. *Philopthalmus zolophi* Dailey, Ellin & Parás, 2005

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Española, Fernandina, Floreana, San Cristóbal, Santa Cruz.

**References:** Dailey, M. et al. (2005).

149. *Philopterus breviformis* (Kellogg & Kuwana, 1902)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

150. *Philopterus insulicola* (Kellogg & Kuwana, 1902)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

151. *Philornis downsi* Dodge & Aitken, 1968

**Taxon status:** Accepted name; taxon occurs in Galapagos.

Syn: *Philornis* isla Couri 2000: 1.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Floreana, Isabela, San Cristóbal, Santa Cruz.

**References:** Causton, C.E. et al. (2006), Causton, C.E. et al. (2008), Causton, C.E. et al. (2013), Causton,

C.E. et al. (2013), Couri, M. S. et al. (2006), Cunninghame, F. et al. (2012), Cunninghame, F. et al. (2012), Dudaniec, R.Y. et al. (2006), Dudaniec, R.Y. et al. (2007), Dudaniec, R.Y. et al. (2007), Dudaniec, R.Y. et al. (2009), Dvorak, M. et al. (2012), Fessler, B. et al. (2006), Fessler, B. et al. (2010), Fessler, B. et al. (2002), Fessler, B. et al. (2001), Fessler, B. et al. (2006), Galligan, T.H. et al. (2009), Huber, S.K. et al. (2008), Jiménez-Uzcátegui, G. et al. (2005), Koop, J. A. H. et al. (2011), O'Connor, J.A. et al. (2009), Sinclair, B.J. et al. (2005), Tavares, M.T. et al. (2006), Wiedenfeld, D.A. et al. (2007).

152. *Physconelloides galapagensis* (Kellogg & Huwana, 1902)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Parker, P.G. et al. (2006), Santiago-Alarcon, D. et al. (2008), Whiteman, N.K. et al. (2004).

153. *Piagetiella* sp.

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Palma, R.L. et al. (2013), Parker, P.G. et al. (2006).

154. *Plasmodium* sp.

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Deem, S.L. et al. (2008), Levin, I.I. et al. (2009).

155. *Pleurodesmospora coccorum* (Petch) Samson, W. Gams & H.C. Evans

**Taxon status:** Identification not yet confirmed.

Index Fungorum: anamorphic Pezizomycotina

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Evans, Harry C. et al. (1982), Kirk, P. (ed.) et al. (2010).

156. *Podonectria coccicola* (Ellis & Everh.) Petch

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Floreana.

157. *Polyplax spinulosa* (Burmeister, 1839)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Peck, S.B. et al. (1998), Smith, V. (ed.) et al. (2012).



158. *Polysporella genovesae* McQuiston, 1990  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** McQuiston, T.E. et al. (1990).
159. *Proctophyllodes darwinii* O'Connor, Foufopoulos & Lipton, 2005  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Lindström, K.M. et al. (2009), O'Connor, B.M. et al. (2005).
160. *Prosorhynchus aculeatus* Odhner, 1905  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940), Manter, H.W. et al. (1940).
161. *Prosorhynchus ozakii* Manter, 1934  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940).
162. *Prosorhynchus pacificus* Manter, 1940  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Native, Endemic.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940), Manter, H.W. et al. (1940).
163. *Pseudocaligus parvus* (Bassett-Smith, 1898)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn.: *Caligus parvus* Bassett-Smith, 1898  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Wilson, C.B. et al. (1924).
164. *Pseudocreadium scaphosomum* Manter, 1940  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940).
165. *Pterodectes atyeoi* O'Connor, Foufopoulos & Lipton, 2005  
**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** O'Connor, B.M. et al. (2005).

166. *Quadriceps birostris* (Giebel, 1874)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

167. *Quadriceps paludicola* (Kellogg & Kuwana, 1902)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

168. *Quadriceps ridgewayi* (Kellogg, 1906)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

169. *Quadriceps separatus* (Kellogg & Kuwana, 1902)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

170. *Quadriceps strepsilaris* (Denny, 1842)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

171. *Raillietina echinobothrida* Mégnin, 1880

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005).

172. *Renicola* sp.

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2008), Parker, P.G. et al. (2006).

173. *Rhipidocotyle adbaculum* Manter, 1940  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Appeltans, W. et al. (2010).
174. *Ricinus marginatus* (Children, 1836)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn.: *Ricinus angulatus*, fide Smith (ed.) (2012)  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1977), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
175. *Saemundssonina albemarlensis* (Kellogg & Kuwana, 1902)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
176. *Saemundssonina lari* (O. Fabricius, 1780)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
177. *Saemundssonina minor* (Kellogg & Kuwana, 1902)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
178. *Saemundssonina phaetona* (Osborn, 1890)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
179. *Saemundssonina platycephalus* (Kellogg & Kuwana, 1902)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
180. *Saemundssonina platygaster* (Denny, 1842)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).

181. *Saprolegnia ferax* (Gruith.) Nees

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

182. *Sarcocystis canis* Dubey & Speer, 1991

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gingrich, E.N. et al. (2010).

183. *Sarcodexia lambens* (Wiedemann, 1830)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.

**References:** Fessl, B. et al. (2006), Fessl, B. et al. (2002), Sinclair, B.J. et al. (2005).

184. *Simplicillium lanosiniveum* (J.F.H. Beyma) Zare & W. Gams

**Taxon status:** Identification not yet confirmed.

Index Fungorum: anamorphic Torribiella

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Kirk, P. (ed.) et al. (2010).

185. *Simplicillium sp. 1*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

Index Fungorum: anamorphic Torribiella

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Kirk, P. (ed.) et al. (2010).

186. *Stephanostomum casum* (Linton, 1910)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Appeltans, W. et al. (2010), Manter, H.W. et al. (1940).

187. *Stilbella sp. 1*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

Index Fungorum: anamorphic Hypocreales

**Origin:** No Data.

**Galapagos Distribution:** Isabela.

**References:** Kirk, P. (ed.) et al. (2010).

188. *Strelkoviacarus sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** O'Connor, B.M. et al. (2005).

189. *Tabanus vittiger* Thomson, 1869

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Native, Endemic.

**Galapagos Distribution:** Marchena, Santa Cruz.

**References:** Bequaert, J.C. et al. (1933), Coquillett, D.W. et al. (1901), Curran, C.H. et al. (1932), Curran, C.H. et al. (1934), Johnson, C.W. et al. (1924), Linsley, E.G. et al. (1966), Parkin, P. et al. (1972), Philip, C.B. et al. (1983), Philip, C.B. et al. (1976), Philip, C.B. et al. (1965), Sinclair, B.J. et al. (2005).

190. *Tetracrium coccicola* Höhn.

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** No Data.

**Galapagos Distribution:** Floreana.

191. *Tetrameres sp.*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

**References:** Gottdenker, N.L. et al. (2005).

192. *Torrubiella sp. 1*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.

**Origin:** No Data.

**Galapagos Distribution:** Santa Cruz.

193. *Toxocara canis* Werner, 1782

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Santa Cruz.

**References:** Gingrich, E.N. et al. (2010).

194. *Toxoplasma gondii* (Nicolle & Manceaux, 1908)

**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.

**Galapagos Distribution:** Isabela, Santa Cruz.

**References:** Deem, S.L. et al. (2010), Gottdenker, N.L. et al. (2005), Levy, J.K. et al. (2008), Parker, P.G. et al. (2006).

195. *Trabeculus mirabilis* (Kellogg, 1896)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
196. *Tremovirus Avian encephalomyelitis virus*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Soos, C. et al. (2008).
197. *Trichomonas gallinae* (Rivolta, 1878)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Harmon, W.M. et al. (1987), Padilla, L.R. et al. (2004).
198. *Trinoton querquedulae* (Linnaeus, 1758)  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
Syn.: Trinoton lituratum Burmeister, 1838  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Linsley, E.G. et al. (1966), Palma, R.L. et al. (2013), Smith, V. (ed.) et al. (2012).
199. *Trouessartia geospiza* O'Connor, Foufopoulos & Lipton, 2005  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Lindström, K.M. et al. (2009), O'Connor, B.M. et al. (2005).
200. *Trypanosoma sp. nov.*  
**Taxon status:** Unpublished name (Nomen nudum).  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Parker, P.G. et al. (2006).
201. *Varicellovirus Felid herpesvirus 1*  
**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Isabela, Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).
202. *Vernoniella guimaraesi* Thompson, 1948  
**Taxon status:** Accepted name; taxon occurs in Galapagos.

**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Palma, R.L. et al. (2013).

203. *Verticillium sp. 1*

**Taxon status:** Taxon not identified to species, subspecies, form or variety.  
Index Fungorum: anamorphic Plectosphaerellaceae  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Kirk, P. (ed.) et al. (2010).

204. *Vesiculovirus Vesicular stomatitis Indiana virus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Questionable Accidental.  
**Galapagos Distribution:** Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010).

205. *Vesivirus Feline calicivirus*

**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Isabela, Santa Cruz.  
**References:** International Committee on Taxonomy of Viruses (ICTV) et al. (2010), Levy, J.K. et al. (2008).

206. *Wolbachia pipientis* Hertig 1936 (Approved Lists 1980)

**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** Introduced, Accidental.  
**Galapagos Distribution:** Isabela.  
**References:** Levy, J.K. et al. (2008).

207. *Xolages palmai* Mironov & Pérez

**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Lindström, K.M. et al. (2009), O'Connor, B.M. et al. (2005).

208. *Zonorchis meyeri* Vercammen-Grandjean, 1966

**Taxon status:** Accepted name; taxon occurs in Galapagos.  
**Origin:** No Data.  
**Galapagos Distribution:** Santa Cruz.  
**References:** Vercammen-Grandjean, P.H. et al. (1966).

**Rejected taxa**

1. *Philopterus domesticus* (Kellogg, 1896)

Syn.: *Philopterus citrinellae* (Schrank, 1776); Palma and Peck (2013): Kellogg (1906: 317) reported *Docophorus domesticus* Kellogg, 1896b from *Progne modesta* as a new record from “Indefatigable Id.” (= Santa Cruz Island). That record was listed again by Thompson (1939: 17) but as “*Philopterus domesticus* (Kellogg)”. Carriker (1957: 96) compared the type specimens of *Docophorus domesticus* Kellogg, 1896 against “A series of slides labelled *D. domesticus*, later collected from *Progne modesta*, Indefatigable Id.” and concluded that the latter were “not the same as the types of *domesticus*”, but he gave no alternative species identification for the Galápagos specimens. Notwithstanding Carriker’s statement, Clay (in Linsley & Usinger *Zootaxa* LICE FROM THE GALÁPAGOS ISLANDS 3627 (1) 2013 Magnolia Press · 69 1966: 131) listed *Philopterus domesticus* (Kellogg, 1896) as a species from the Galápagos Islands. Although we have not been able to examine the original material recorded by Kellogg (1906: 317), we accept Carriker’s (1957: 96) statement that the specimens from *Progne modesta* are not *Philopterus domesticus* (Kellogg, 1896) and, therefore, we delete this species from the louse fauna of the Galápagos Islands.

### Acknowledgements

We are grateful for the financial report received for this project. Please refer to the website ([www.darwinfoundation.org/datazone/checklist/](http://www.darwinfoundation.org/datazone/checklist/)) for a detailed list of all our donors.

This checklist would not be possible without adjunct and collaborating scientists, and volunteers of the Charles Darwin Foundation. The following scientists and volunteers have contributed to the CDF Checklist of Galapagos Zoopathogens and Parasites: Patricia G. Parker.

### References

1. Abedrabbo, S., Kathirithamby, J. & Olmi, M. (1990) *Contribution to the Knowledge of the Elenchidae (Strepsiptera) and Dryinidae (Hymenoptera: Chrysidoidea) of the Galapagos Islands*. Boll. Ist. Entomol. G. Grandi Univ. Bologna 45: 121-128.
2. Appeltans, W., Bouchet, P., Boxshall, G.A., Fauchald, K., Gordon, D.P., Hoeksema, B.W., Poore, G.C.B., van Soest, R.W.M., Stöhr, S., Walter, T.C., Costello, M.J. (eds.) (2010) *World Register of Marine Species (WoRMS)*. Available online at <http://www.marinespecies.org>.
3. Aquino-Shuster, A.L., Duszynski, D.W. & Snell, H.L. (1990) *Three new Coccidia (Apicomplexa) from the Hood Island Lizard, Tropidurus delanonis, from the Galapagos Archipelago*. Journal Parasitol., 76(3): 313-318.
4. Bataille, A., Cunningham, A.A., Cedeño, V., Patiño, L., Constantinou, A., Kramer, L.D. & Goodman, S.J. (2009) *Natural colonization and adaptation of a mosquito species in Galápagos and its implications for disease threats to endemic wildlife*. Proceedings of the National Academy of Sciences of the United States of America 106(25): 10230-10235.
5. Bataille, A., Cunningham, A.A., Cedeño, V., Cruz, M., Eastwood, G., Fonseca, D.M., Causton, C.E., Azuero, R., Loayza, J., Cruz Martinez, J.D. & Goodman, S.J. (2009) *Evidence for regular ongoing introductions of mosquito disease vectors into the Galápagos Islands*. Proc. R. Soc. B published online 12 August 2009, doi: 10.1098/rspb.2009.0998
6. Bequaert, J.C. (1933) *The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 11 The Hippoboscidae of the Galapagos Archipelago (Notes on the Hippoboscidae. 8.) with an Appendix on the*



- Tabanidae*. Proc. Calif. Acad. Sci., Fourth Series 21(11): 131-138.
7. Bickel, D.J., Sinclair, B.J. (1997) *The Dolichopodidae (Diptera) of the Galápagos Islands, with notes on the New World fauna*. Entomologica Scandinavica 28: 241-270.
  8. Borkent, A. (1991) *The Ceratopogonidae (Diptera) of the Galápagos Islands, Ecuador with a Discussion of their Phylogenetic Relationships and Zoogeographic Origins*. Entomologica Scandinavica 22(1): 97-120.
  9. Bursey, C.R., Flanagan, J.P. (2002) *Atractis marquezii n. sp. (Nematoda: Atractidae) and a Revision of Atractis Dujardin 1845, sensu Baker, 1987*. J. Parasitol. 88(2): 320-324.
  10. Carson, H.L., Val, F.C. & Wheeler, M.R. (1983) *Drosophilidae of the Galápagos Islands, with Descriptions of two new Species*. Internatl. J. Entomol. 25(4): 239-248.
  11. Causton, C.E., Peck, S. B., Sinclair, B. J., Roque-Albelo, L., Hodgson, C. J. & B. Landry. (2006) *Alien insects: threats and implications for the conservation of the Galapagos Islands*. Annals of the Entomological Society of America, 99(1), 121-143.
  12. Causton, C.E., Sevilla, C. (2008) *Latest Records of Introduced Invertebrates in Galapagos and Measures to control them*. Galapagos Report 2006-2007, CDF, GNP and INGALA, Puerto Ayora, Galapagos, Ecuador, p. 142-145.
  13. Causton, C.E., Cunninghame, F. & Tapia, W. (2013) *Management of the avian parasite Philornis downsi in the Galapagos Islands: a collaborative and strategic action plan*. In: Galapagos Report 2011-2012. GNPS, GCREG, CDF and GC. Puerto Ayora, Galápagos, Ecuador.
  14. Causton, C.E., Cunninghame, F. & Tapia, W. (2013) *Manejo del parásito aviar Philornis downsi en las islas Galápagos: Un plan de acción colaborativo y estratégico*. En: Galapagos Report 2011-2012. GNPS, GCREG, CDF and GC. Puerto Ayora, Galapagos, Ecuador.
  15. Coquillett, D.W. (1901) *Papers from the Hopkins Stanford Galapagos Expedition, 1898-1899. II. Entomological Results (2): Diptera*. Proc. Washington Acad. Sc. 3: 371-379.
  16. Couch, L., Stone, P.A., Duszynski, D.W. Snell, H.L. & Snell, H.M. (1996) *A survey of the coccidian parasites of reptiles from islands of the Galapagos Archipelago: 1990-1994*. Journal of Parasitology 82(3): 432-437.
  17. Couri, M. S., Tavares, M. T. & Stenzel, R. R. (2006) *Parasitoidism of chalcidid wasps (Hymenoptera: Chalcididae) on Philornis sp. (Diptera: Muscidae)*. Brazilian Journal of Biology 66:553-557.
  18. Cunninghame, F., Ortiz-Catedral, L. & Fessl, B. (2012) *Landbird Conservation Plan: Strategies for Reversing the Decline of passerine birds on the Galapagos Islands*. Technical Report, CDF and GNPD.
  19. Cunninghame, F., Ortiz-Catedral, L. & Fessl, B. (2012) *Plan para la conservación de aves terrestres: Estrategias para revertir la disminución de las aves paseriformes en las Islas Galápagos*. Informe Tecnico, CDF and GNPD.
  20. Curran, C.H. (1932) *The Norwegian Zoological Expedition to the Galapagos Islands 1925, Conducted by Alf Wollebæk. 4. Diptera. (Excl. of Tipulidae and Culicidae)*. Medd. Zool. Mus., Oslo 30: 347-366.
  21. Curran, C.H. (1934) *The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 13 Diptera*. Calif. Acad. Sc., Fourth Series 21(13): 147-172.

22. Dailey, M., Ellin, R. & Parás, A. (2005) *First report of parasites from pinnipeds in the Galapagos Islands, Ecuador, with a description of a new species of Philophthalmus (Digenea: Philophthalmidae)*. Journal of Parasitology 91(3): 614-617.
23. Deem, S.L., Cruz, M., Jiménez-Uzcátegui, G., Fessler, B., Miller, E. & Parker, P.G. (2008) *Pathogens and parasites: an increasing threat to the conservation of Galápagos*. Informe Galápagos 2007-2008. FCD, PNG & INGALA. Puerto Ayora, Ecuador. Pp. 136–141.
24. Deem, S.L., Merkel, J., Ballweber, J., Vargas, F.H., Cruz, M.B., & Parker, P.G. (2010) *Exposure to Toxoplasma gondii in Galapagos penguins (Spheniscus mendiculus) and flightless cormorants (Phalacrocorax harrisi) in the Galapagos Islands*. Journal of Wildlife Diseases 46: 1005-1011.
25. Deem, S.L., Parker, P.G., Cruz, M.B., Merkel, J. & Hoeck, P.E.A. (2011) *Comparison of blood values and health status of Floreana Mockingbird (Mimus trifasciatus) on the islands of Champion and Gardner-by-Floreana, Galápagos Islands*. Journal of Wildlife Diseases 47(1): 94-106.
26. Deem, S.L., Cruz, M., Sari, E., Higashiguchi, J., and Parker, P.G. (in prep.) *Disease risks associated with the reintroduction of the Floreana Mockingbird (Mimus trifasciatus) to its island of origin in the Galapagos Islands*. Journal of Wildlife Diseases (in prep.).
27. Disney, R.H.L., Sinclair, B.J. (2008) *Some scuttle flies (Diptera: Phoridae) of the Galápagos Islands*. Tijdschrift voor Entomologie 151: 115-132.
28. Dudaniec, R.Y., Hallas, G. & Kleindorfer, S. (2005) *Blood and intestinal parasitism in Darwin's finches: negative and positive findings*. Acta Zoologica Sinica 51(3): 507-512.
29. Dudaniec, R.Y., Kleindorfer, S. & Fessler, B. (2006) *Effects of the introduced ectoparasite Philornis downsi on haemoglobin level and nestling survival in Darwin's Small Ground Finch (Geospiza fuliginosa)*. Austral Ecology (2006) 31, 88–94, doi:10.1111/j.1442-9993.2006.01553.x
30. Dudaniec, R.Y., Fessler, B. & Kleindorfer, S. (2007) *Interannual and interspecific variation in intensity of the parasitic fly, Philornis downsi, in Darwin's finches*. Biological Conservation 30: 325-323.
31. Dudaniec, R.Y., Gardner, M.G. & Kleindorfer, S. (2007) *Isolation, characterization and multiplex polymerase chain reaction of novel microsatellite loci for the avian parasite Philornis downsi (Diptera: Muscidae)*. Molecular Ecology Notes (2007), doi: 10.1111/j.1471-8286.2007.01900.x
32. Dudaniec, R.Y., Gardner, M.G. & Kleindorfer, S. (2009) *Offspring genetic structure reveals mating and nest infestation behaviour of an invasive parasitic fly (Philornis downsi) of Galápagos birds*. Biol. Invasions, DOI 10.1007/s10530-009-9464-x.
33. Duffy, D., Harcourt, S. (1980) *Investigaciones sobre avian pox, distribución y efectos de la enfermedad en las aves de Galápagos*. In: Duffy, D.C., Reynolds, D.J. & Campos, M.J. (eds.): Informe Annual ECChD. Estación Científica Charles Darwin. Puerto Ayora, Ecuador, p. 109-112.
34. Dvorak, M., Fessler, B., Nemeth, E., Kleindorfer, S.M., & Tebbich, S. (2012) *Distribution and abundance of Darwin's Finches and other land birds on Santa Cruz Island Galapagos: evidence for declining populations*. Oryx, 46:78-86
35. Evans, Harry C., Samson, Robert A. (1982) *Entomogenous fungi from the Galápagos Islands*. Canadian Journal of Botany 60(11): 2325-2333

36. Fessl, B., Couri, M.S. & Tebbich, S. (2001) *Philornis downsi* Dodge & Aitken, new to the Galapagos Islands (Diptera, Muscidae). *Studia Dipterologica* 8: 317-322.
37. Fessl, B., Tebbich, S. (2002) *Philornis downsi* - a recently discovered parasite on the Galápagos archipelago - a threat to Darwin's finches? *Ibis* 144: 445-451.
38. Fessl, B., Kleindorfer, S. & Tebbich, S. (2006) *An experimental study on the effects of an introduced parasite in Darwin's finches*. *Biological Conservation* 127(1): 55-61.
39. Fessl, B., Sinclair, B.J. & Kleindorfer, S. (2006) *The life-cycle of Philornis downsi (Diptera: Muscidae) parasitizing Darwin's finches and its impacts on nestling survival*. *Parasitology* 133: 739-747, doi:10.1017/S0031182006001089
40. Fessl, B., Young, H. G., Young, R. P., Rodríguez-Matamoros, J., Dvorak, M. & Tebbich, S. (2010) *How to save the rarest Darwin's finch from extinction: the mangrove finch on Isabela Island*. *Philosophical Transactions of the Royal Society of London, Series B: Biological Sciences* 365:1019-1030.
41. Galligan, T.H., Kleindorfer, S. (2009) *Naris and beak malformation caused by the parasitic fly, Philornis downsi (Diptera: Muscidae), in Darwin's small ground finch, Geospiza fuliginosa (Passeriformes: Emberizidae)*. *Biological Journal of the Linnean Society* 98: 577-585.
42. Gerecke, R., Peck, S.B. & Pehofer, H.E. (1995) *The invertebrate fauna of the inland waters of the Galápagos Archipelago (Ecuador) - a limnological and zoogeographical summary*. *Arch. Hydrobiol./ Suppl.* 107(2): 113-147.
43. Gingrich, E.N., Scorza, A.V., Clifford, E.L., Olea-Popelka, F.J., & Lappin, M.R. (2010) *Intestinal parasites of dogs on the Galapagos Islands*. *Veterinary Parasitology*, 169(3-4): 404-407.
44. Gottdenker, N.L., Walsh, T., Vargas, H., Merkel, J., Jiménez-Uzcátegui, G., J., Miller, R.E., Dailey, M. & Parker, P. (2005) *Assessing the risks of introduced chickens and their pathogens to native birds in the Galápagos Archipelago*. *Biological Conservation* 126: 429-439.
45. Gottdenker, N.L., Walsh, T., Jiménez-Uzcátegui, G., Betancourt, F., Cruz, M., Soos, C., Miller, R.E. & Parker, P.G. (2008) *Causes of mortality of wild birds submitted to the Charles Darwin Research Station, Santa Cruz, Galapagos, Ecuador from 2002-2004*. *Journal of Wildlife Diseases* 44(4): 1024-1031.
46. Hansen, W. (1999) *Chapter 19: Avian Pox* M. Friend, J.C. Franson, E.A. Ciganovich, (eds.): *Field Manual of Wildlife Diseases: General Field Procedures and Diseases of Birds*. Information and Technology Report 1999-001, U.S. Geological Survey, Washington D.C., p. 163-169.
47. Harmon, W.M., Clark, W.A., Hawbecker, A.C. & Stafford, M. (1987) *Trichomonas gallinae in columbiform birds from the Galápagos Islands*. *Journal of Wildlife Diseases* 23(3): 492-494.
48. Huber, S.K. (2008) *Effects of the introduced parasite Philornis downsi on nestling growth and mortality in the medium ground finch (Geospiza fortis)*. *Biological Conservation* 141: 601-609.
49. International Committee on Taxonomy of Viruses (ICTV) (2010) *Virus Taxonomy List: 2009 Release, online database*. <http://www.ictvonline.org/virusTaxonomy.asp?version=2009>.
50. Jiménez-Uzcátegui, G., Wiedendfeld, D.A. (2005) *Philornis downsi ectoparasite: wild birds affected and distribution in Galápagos*. XIX Annual Meeting of the Society Conservancy Biology. Universidade de

Brasília. Brasília DF, Brazil, pp. 103.

51. Jiménez-Uzcátegui, G., Wiedenfeld, D.A. & Parker, P.G. (2007) *Virurela aviar en especies silvestres (Passeriformes) en la isla Santa Cruz, Galápagos, Ecuador*. Brenesia 67: 29-34.
52. Johnson, C.W. (1924) *Diptera of the Williams Galapagos Expedition*. Zoologica 5(8): 85-92.
53. Keirans, J.E., Clifford, C.M. & Hoogstraal, H. (1980) *Identity of the Nymphs and Adults of the Galapagos Iguanid Lizard Parasites, Ornithodoros (Alectorobius) Darwini and O. (A.) Galapagensis (Ixodoidea: Argasidae)*. Journal of Medical Entomology 17(5): 427-438.
54. Kirk, P. (ed.) (2010) *Index Fungorum*. CABI Bioscience, CBS and Landcare Research, available online at [www.indexfungorum.org](http://www.indexfungorum.org).
55. Kleindorfer, S., Dudaniec, R.Y. (2006) *Increasing prevalence of avian poxvirus in Darwin's finches and its effect on male pairing success*. Journal of Avian Biology 37: 69-76.
56. Kohls, G.M., Clifford, C.M. & Hoogstraal, H. (1969) *Two new species of Ornithodoros from the Galápagos Islands (Acrina: Argasidae)*. Journal of Medical Entomology 6(1): 75-78.
57. Koop, J. A. H., Huber, S. K., Lavery, S. M. & Clayton, D. H. (2011) *Experimental demonstration of the fitness consequences of an introduced parasite of Darwin's finches*. PLoS ONE, 6(5):e19706, doi: 10.1371/journal.pone.0019706.
58. Levin, I.I., Outlaw, D.C., Hernán Vargas, F., & Parker, P.G. (2009) *Plasmodium blood parasite found in endangered Galapagos penguins (Spheniscus mendiculus)*. Biological Conservation 142(12): 3191-3195.
59. Levy, J.K., Crawford, C., Lappin, M.R., Dubovi, E.J., Levy, M.G., Alleman, R., Tucker, S.J. & Clifford, E.L. (2008) *Infectious diseases of dogs and cats on Isabela island, Galapagos*. Journal of Veterinary Internal Medicine 22: 60-65.
60. Lindström, K.M., Dolnik, O., Yabsley, M., Hellgren, O., O'Connor, B., Pärn, H. & Foufopoulos, J. (2009) *Feather mites and internal parasites in small ground finches (Geospiza fuliginosa, Emberizidae) from the Galapagos Islands (Equador)*. Journal of Parasitology, 95(1): 39-45.
61. Linsley, E.G., Usinger, R.L. (1966) *Insects of the Galápagos Islands*. Proceedings of the California Academy of Sciences Fourth Series 33(7): 113-196.
62. Linsley, E.G. (1977) *Insects of the Galápagos (Supplement)*. Occasional Papers of the California Academy of Sciences 125: 1-50.
63. Madden, D., Harmon, W.M. (1998) *First record and morphology of Myialges caulotoon (Acari: Epidermoptidae) from Galapagos hosts*. The Journal of Parasitology 34(1): 186-189.
64. Manter, H.W. (1940) *Digenetic trematodes of fishes from the Galapagos Islands and the neighboring Pacific*. Allan Hancock Pacific Expeditions 2(14): 329-497.
65. Manter, H.W. (1940) *The geographical distribution of digenetic trematodes of marine fishes of the tropical American Pacific*. Allan Hancock Pacific Expeditions 2(16): 531-547
66. Mateo, E., Bullock, W.L. (1966) *Neobothriocephalus aspinosus gen. et sp. n. (Pseudophyllidea: Parabothriocephalidae), from the Peruvian marine fish, Neptomenus crassus*. Journal of Parasitology 52(6):

1070-1073.

67. McQuiston, T.E., Wilson, M. (1988) *Four new species of Isospora from the small tree finch (Camarhynchus parvulus) from the Galapagos Islands*. Journal of Protozoology 35(1): 98-99.
68. McQuiston, T.E., Wilson, M. (1989) *Isospora geospizae, a new coccidian parasite (Apicomplexa: Eimeriidae) from the small ground finch (Geospiza fuliginosa) and the medium ground finch (Geospiza fortis) from the Galapagos Islands*. Systematic Parasitology 14(2): 141-144.
69. McQuiston, T.E. (1990) *Isospora daphnensis n. sp. (Apicomplexa: Eimeriidae) from the medium ground finch (Geospiza fortis) from the Galapagos Islands*. Journal of Parasitology 76(1): 30-32.
70. McQuiston, T.E. (1990) *Polysporella genovesae n. gen., n. sp. (Apicomplexa: Eimeriidae) from the Fecal Contents of the Galapagos Mockingbird, Nesomimus parvulus (Passeriformes: Mimidae)*. Transactions of the American Microscopical Society 109(4): 412-416.
71. McQuiston, T.E. (1991) *Eimeria palumbi, a New Coccidian Parasite (Apicomplexa: Eimeriidae) from the Galapagos Dove (Zenaida galapagoensis)*. Transactions of the American Microscopical Society 110(2): 178-181.
72. Merkel, J., Jones, H.I., Whiteman, N.K., Gottdenker, N., Vargas, H., Travis, E.K., Miller, R.E., & Parker, P.G. (2007) *Microfilariae in Galápagos penguins (Spheniscus mendiculus) and flightless cormorants (Phalacrocorax harrisi): genetics, morphology, and prevalence*. Journal of Parasitology, 93(3): 495–503.
73. Meserve, F.G. (1938) *Some monogenetic trematodes from the Galapagos Islands and the neighboring Pacific*. Allan Hancock Pacific Expeditions 2(5): 31-89.
74. Márquez Rea, L.D. (2009) *Desarrollo de técnicas moleculares para la caracterización genética de parásitos sanguíneos (Haemosporidia) en tortugas marinas de Galápagos (Chelonia mydas) en tres sitios de anidación*. Thesis de Licenciatura en Ciencias Biológicas, Pontificia Universidad Católica del Ecuador, Quito, 84 pp.
75. Nishida, G.M., Evenhuis, N.L. (2000) *Arthropod pests of conservation significance in the Pacific: a preliminary assessment of selected groups*. Sherley, G. (ed.), Invasive species in the Pacific: a technical review and draft regional strategy. South Pacific Regional Environment Program (SPREP), Apia, Samoa, p. 115-142.
76. O'Connor, B.M., Foufopoulos, J., Lipton, D. & Lindström, K. (2005) *Mites associated with the small ground finch, Geospiza fuliginosa Passeriformes: Emberizidae, from the Galápagos Islands*. J. Parasitol. 91(6): 1304-1313.
77. O'Connor, J.A., Sulloway, F.J., Robertson, J. & Kleindorfer, S. (2009) *Philornis downsi parasitism is the primary cause of nestling mortality in the critically endangered Darwin's medium tree finch (Camarhynchus pauper)*. Biodiversity Conservation DOI 10.1007/s10531-009-9740-1
78. Padilla, L.R., Huyvaert, K.P., Merkel, J., Miller, R.E. & Parker, P.G. (2003) *Hematology, plasma chemistry, serology, and Chlamydophila status of the waved albatross (Phoebastria irrorata) on the Galapagos Islands*. Journal of Zoo and Wildlife Medicine 34(3): 278-283.
79. Padilla, L.R., Santiago-Alarcon, D., Merkel, J., Miller, R.E. & Parker, P.G. (2004) *Survey for Haemoproteus spp., Trichomonas gallinae, Chlamydophila psittaci, and Salmonella spp. in Galapagos Islands Columbiformes*. Journal of Zoo and Wildlife Medicine 35(1): 60–64.

80. Padilla, L.R., Whiteman, N.K., Merkel, J., Huyvaert, K.P. & Parker, P.G. (2006) *Health assessment of seabirds on Isla Genovesa, Galápagos Islands*. Ornithological Monographs 60: 86-97.
81. Palma, R.L., Price, R.D. (2010) *The species of Myrsidea Waterston (Insecta: Phthiraptera: Menoponidae) from the Galápagos Islands, with descriptions of new taxa*. Tuhinga 21: 135-146.
82. Palma, R.L., Peck, S.B. (2013) *An annotated checklist of parasitic lice (Insecta: Phthiraptera) from the Galápagos Islands* Zootaxa 3627 (1): 001–087
83. Parker, P.G., Whiteman, N.K., & Miller, R.E. (2006) *Conservation medicine on the Galápagos Islands: partnerships among behavioral, population, and veterinarian scientists*. The Auk 123(3): 625-638.
84. Parker, P.G., Buckles, E.L., Farrington, H., Petren, K., Whiteman, N.K., Ricklefs, R.E., Bollmer, J.L. & Jiménez-Uzcátegui, G. (2011) *110 years of Avipoxvirus in the Galápagos Islands*. PLoS ONE 6(1): e15989. doi:10.1371/journal.pone.0015989
85. Parkin, P., Parkin D.T., Ewing, A.W. & Ford, H.A. (1972) *A report on the arthropods collected by the Edinburgh University Galapagos Islands Expedition, 1968*. The Pan-pacific Entomologist 48: 100-107.
86. Peck, S.B., Peck, J. (1989) *Elenchus koebeli (Pierce) (Elenchidae): First record of Strepsiptera from the Galapagos Islands, Ecuador*. The Coleopterists Bulletin 43(2): 203-204
87. Peck, S.B. (1996) *Origin and development of an insect fauna on a remote archipelago: The Galápagos Islands, Ecuador*. In: Keast A., Miller S.E. (eds.): *The origin and evolution of Pacific Island biotas, New Guinea to eastern Polynesia: patterns and processes*. SPB Academic Publishing, Amsterdam, The Netherlands, p. 91-122.
88. Peck, S.B., Heraty, J., Landry, B. & Sinclair, B.J. (1998) *Introduced insect fauna of an oceanic archipelago: The Galápagos Islands, Ecuador*. Am. Entomol. 44: 218-237.
89. Peck, S.B. (2001) *Small Orders of Insects of the Galápagos Islands, Ecuador: Evolution, Ecology, and Diversity*. NRC Research Press, Ottawa, Ontario, Canada, 278 pp.
90. Peters, M.P., Whiteman, N.K., Hagen, C., Parker, P.G. & Glenn, T.C. (2009) *Eight polymorphic microsatellite markers isolated from the widespread avian louse Colpocephalum turbinatum (Phthiraptera: Amblycera: Menoponidae)*. Molecular Ecology Resources 9(3): 910-912.
91. Peters, M.P., Hagen, C., Whiteman, N.K., Parker, P.G. & Glenn, T.C. (2009) *Characterization of 10 microsatellite loci in an avian louse, Degeeriella regalis (Phthiraptera: Ischnocera: Philopteridae)*. Molecular Ecology Resources 9(3): 882-884.
92. Philip, C.B. (1965) *The identity and relationships of Tabanus (Neotabanus) vittiger, and notes on two cases of teratology in Tabanidae (Diptera)*. Annals Entomological Society of America 58: 876-880.
93. Philip, C.B. (1976) *Horse-flies, too, take some victims in cold-blood, as on Galapagos Isles*. The Pan-Pacific Entomologist 52(1): 83-88.
94. Philip, C.B. (1983) *A unique, divergent developmental dependence of a Galapagos horse fly (Diptera, Tabanidae)*. The Wasmann Journal of Biology 41(1-2): 47-49.
95. Santiago-Alarcon, D., Whiteman, N.K., Parker, P.G., Ricklefs, R.E. & Valkiūnas, G. (2008) *Patterns of parasite abundance and distribution in island populations of Galápagos endemic birds*. Journal of

Parasitology 94(3): 584–590.

96. Santiago-Alarcon, D., Outlaw, D.C., Ricklefs, R.E. & Parker, P.G. (2010) *Phylogenetic relationships of haemosporidian parasites in New World Columbiformes, with emphasis on the endemic Galapagos dove*. International Journal for Parasitology 40: 463–470.
97. Schatz, H. (1991) *Catalogue of known species of Acari from the Galapagos Islands (Ecuador, Pacific Ocean)*. International Journal of Acarology 17(3): 213-225.
98. Siers, S., Merkel, J., Bataille, A., Vargas, F.H. & Parker, P.G. (2010) *Eccological correlates of microfilariae prevalence in endangered Galápagos birds*. Journal of Parasitology, 96(2): 259-272.
99. Sinclair, B.J., Peck, S.B. (2005) *An annotated checklist of the Diptera of the Galápagos Archipelago (Ecuador)*. Charles Darwin Research Station, unpublished, 64 pp.
100. Smit, F.G.A.M. (1970) *A new species of flea from the Galápagos Islands*. Entomol. Ber. 30(12): 244-247.
101. Smith, V. (ed.) (2012) *Phthiraptera.info. Website published by the International Society of Phthirapterists*. <http://phthiraptera.info/>
102. Soos, C., Padilla, L., Iglesias, A., Gottdenker, N., Cruz Bedon, M., Rios, A. & Parker, P.G. (2008) *Comparison of pathogens in broiler and backyard chickens on the Galapagos Islands: implications for transmission to wildlife*. The Auk 125(2): 445-455.
103. Tavares, M.T., Stenzel, R.R. (2006) *Parasitoidism of chalcidid wasps (Hymenoptera: Chalcididae) on Philornis sp. (Diptera: Muscidae)*. Brazilian Journal of Biology 66:553-557.
104. Thiel, T., Whiteman, N.K., Tirapé, A., Baquero, M. I., Cedeño, V., Walsh, T., Jiménez-Uzcátegui, G. & Parker, P.G. (2005) *Characterization of canary pox-like viruses infecting endemic birds in the Galapagos Islands*. Journal of Wildlife Diseases 41(2): 342-353.
105. Tomaszewski, E.K., Logan, K.S., Snowden, K.F., Kurtzman, C.P. & Phalen, D.N. (2003) *Phylogenetic analysis identifies the 'megabacterium' of birds as a novel anamorphic ascomycetous yeast, Macrorhabdus ornithogaster gen. nov., sp. nov.* International Journal of Systematic and Evolutionary Microbiology 53: 1201-1205; DOI 10.1099/ijs.0.02514-0
106. Travis, E.K., Hernan Vargas, F., Merkel, J., Gottdenker, N., Miller, R.E., & Parker, P.G. (2006) *Hematology, plasma chemistry, and serology of the flightless cormorant (Phalacrocorax harrisi) in the Galapagos Islands, Ecuador*. Journal of Wildlife Diseases 42(1): 133-141.
107. Travis, E.K., Hernan Vargas, F., Merkel, J., Gottdenker, N., Miller, R.E., & Parker, P.G. (2006) *Hematology, serum chemistry, and serology of Galapagos penguins (Spheniscus mendiculus) in the Galapagos Islands, Ecuador*. Journal of Wildlife Diseases 42(3): 625-632.
108. Vargas, H. (1987) *Frequency and effect of pox-like lesions in Galapagos Mockingbirds*. Journal of Field Ornithology 58(2): 101-102.
109. Vercammen-Grandjean, P.H. (1966) *Zonorchis meyeri, new species, a parasite of the gall bladder of a rail in the Galápagos Islands (Trematoda: Dicrocoeliidae)*. Proceedings of the California Academy of Sciences, 4th series, 33(4): 65-68.

110. Whiteman, N.K., Parker, P.G. (2004) *Body condition and parasite load predict territory ownership in the Galápagos Hawk*. *The Condor* 106: 915–921.
111. Whiteman, N.K., Parker, P.G. (2004) *Effects of host sociality on ectoparasite population biology*. *The Journal of Parasitology* 90(5): 939–947.
112. Whiteman, N.K., Santiago-Alarcon, D. (2004) *Differences in straggling rates between two genera of dove lice (Insecta: Phthiraptera) reinforce population genetic and cophylogenetic patterns*. *International Journal for Parasitology* 34: 1113-1119.
113. Whiteman, N.K., Goodman, S.J., Sinclair, B.J., Walsh, T., Cunningham, A.A., Kramer, L.D. & Parker, P.D. (2005) *Establishment of the avian disease vector Culex quinquefasciatus Say, 1823 (Diptera: Culicidae) on the Galápagos Islands, Ecuador*. *Ibis* 147: 844-847.
114. Whiteman, N.K., Matson, K.D., Bollmer, J.L. & Parker, P.G. (2006) *Disease ecology in the Galápagos Hawk (Buteo galapagoensis): host genetic diversity, parasite load and natural antibodies*. *Proceedings of the Royal Society B* 273: 797–804.
115. Whiteman, N.K., Sánchez, P., Merkel, J., Klompen, H. & Parker, P.G. (2006) *Cryptic host specificity of an avian skin mite (Epidermoptidae) vectored by louseflies (Hippoboscidae) associated with two endemic Galápagos bird species*. *The Journal of Parasitology*, 92(6): 1218-1228.
116. Whiteman, N.K., Kimball, R.T. & Parker, P.G. (2007) *Co-phylogeography and comparative population genetics of the threatened Galápagos hawk and three ectoparasite species: ecology shapes population histories within parasite communities*. *Molecular Ecology* 22: 4759-4773.
117. Whiteman, N.K., Dosanjh, V.S., Ricardo L. Palma, R.L., Hull, J. M., Kimball, R.T., Sánchez, P., Sarasola, H.S & Parker, P.G. (2009) *Molecular and morphological divergence in a pair of bird species and their ectoparasites*. *Journal of Parasitology* 95(6): 1372–1382.
118. Wiedenfeld, D.A., Jiménez-Uzcátegui, G., Fessl, B., Kleindorfer, S. & Valarezo, J.C. (2007) *Distribution of the introduced parasitic fly Philornis downsi (Diptera, Muscidae) in the Galapagos Islands*. *Pacific Conservation Biology* 13(1): 14-19.
119. Wikelski, M. (1999) *Influences of parasites and thermoregulation on grouping tendencies in marine iguanas*. *Behavioral Ecology* 10(1): 22-29.
120. Wilson, C.B. (1924) *Parasitic copepods from the Williams Galapagos Expedition*. *Zoologica* 5(19): 211-217.
121. Wirth, W.W. (1969) *New species and records of Galápagos Diptera*. *Proc. Calif. Acad. Sc., Fourth Series* 36(20): 571-594.
122. Zettel, C., Kaufman, P. (2009) *Yellow fever mosquito Aedes aegypti (Linnaeus) (Insecta: Diptera: Culicidae)*. EENY-434. Entomology and Nematology Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Florida. Retrieved 26 June 2012 from <http://edis.ifas.ufl.edu/pdf/IN/IN79200.pdf>.



The Charles Darwin Foundation Galapagos Species Checklist is a continuously updated list of all species currently known from the Galapagos Islands and reflects up-to-date knowledge compiled by scientists of the Charles Darwin Foundation (CDF) in collaboration with experts from around the world. CDF shares this data publicly and invites comments, corrections and additions.

Please do not hesitate to contact us; your input is very welcome. However, please understand that additions, changes, and corrections will be posted at periodic intervals after thorough cross-referencing of all new data. As an independent international scientific organization, the Charles Darwin Foundation relies on funding from donors who support our work. Please contact us at [datazone@fcdarwin.org.ec](mailto:datazone@fcdarwin.org.ec) if you would like to support the Charles Darwin Foundation Galapagos Species Checklist and help make knowledge of Galapagos biodiversity more widely available.