

The Enemy Release Hypothesis and *Callosciurus erythraeus* in Argentina: combining community and biogeographical parasitological studies

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Table S2. Parasite species recorded for *C. erythraeus* in its introduced range, showing the known distribution of ectoparasite species, the collection site of *C. erythraeus*, and the sources for each recorded parasite

Ectoparasite species	Ectoparasites' known distribution	Collection site	References
Insecta			
Siphonaptera			
Ceratophyllidae			
<i>Monopsyllus anisus</i>	Central and East Asia, Siberian province; Japan, China, Russia ¹	Japan	Shinozaki et al. 2004 ^A
<i>Nosopsyllus fasciatus</i>	Worldwide ¹	France	Dozières et al. 2010 ^B
<i>Ceratophyllus (M.) s. sciurorum</i>	European	Italy	Mazzamuto et al. 2016 ^C
Rhopalopsyllidae			
<i>Polygenis (P.) rimatus</i>	Argentina, Brasil, Paraguay and Perú	Argentina	Gozzi et al. 2013 ^D ; Community analyses ^E
Hystrichopsyllidae			
<i>Ctenophthalmus agyrtes sardiniensis</i>	West-Mediterranean province; Italy ¹	Italy	Mazzamuto et al. 2016
<i>Ctenophthalmus</i> sp.	-	Italy	Mazzamuto et al. 2016
Anoplura			
Enderleinellidae			
<i>Enderleinellus kumadai</i>	Borneo, Malaysia, Taiwan, Thailand (southern Asia) ^{2,3}	Belgium, France, Japan	Dozières et al. 2010; Durden and Musser 1994
Hoplopleuridae			
<i>Hoplopleura erismata</i>	India, Malaysia, China, Thailand (southern Asia) ^{2,3}	Belgium	Dozières et al. 2010
Polyplacidae			
<i>Neohaematopinus callosciuri</i>	Borneo, Malaysia, China, Taiwan, Thailand (southern Asia) ^{2,3}	Japan	Shinozaki et al. 2004
Acari, Parasitiformes			
Mesostigmata			
<i>Androlaelaps fahrenheitsi</i>	Worldwide ⁴		Gozzi et al. 2013
Macronyssidae			
<i>Ornithonyssus</i> cf. <i>bacoti</i>	Worldwide ⁴		Gozzi et al., 2013
Acari, Acariformes			
Trombiculidae			
		Italy	Mazzamuto et al. 2016
Cheyletidae			
<i>Cheyletus</i> sp. (group <i>eruditus</i>)*	Worldwide ⁵	Argentina	Gozzi et al. 2013; Community analyses
Ixodida (Garrapatas)			
<i>Haemaphysalis flava</i>	Japan, China, Taiwan, South Korea, Russia ^{6,7}	Japan	Shinozaki et al. 2004
<i>Ixodes (I.) ricinus</i>	Worldwide	Italy	Mazzamuto et al. 2016
Diptera (Moscas)			
Oestridae (Cuterebrinae)			
<i>Cuterebra</i> sp.	America ⁸	Argentina	Gozzi et al. 2013

Helminth species	Collection site	References
Nematode		
Heligmonellidae		
<i>Stilestrongylus</i> sp.	Argentina	Gozzi et al. 2014 ^f
Rictulariidae		
<i>Pterygodermatites</i> sp.	Argentina	Gozzi et al. 2014
Trichuridae		
<i>Trichuris muris</i>	Italy	Mazzamuto et al. 2016
Strongylida		
Heligmosomidae		
<i>Brevistriata callosciuri</i>	Japan	Matsudate et al. 2003; Asakawa 2005; Miyabe et al.2016
Spirurida		
Rictulariidae		
<i>Rictularia cristata</i>	Japan	Miyabe et al. 2016
Spiruridae	Italy	Mazzamuto et al. 2016
Spirocercidae		
<i>Mastophorus</i> sp. ⁹	Belgium	Dozières et al. 2010
Gongylonematidae		
<i>Gongylonema neoplasticum</i> ¹⁰	Japan	Asakawa 2005
Rhabditida		
Oxyuridae		
<i>Trypanoxiuris (R.) sciuri</i>	Italy	Mazzamuto et al. 2016
Strongyloididae		
<i>Strongyloides</i> sp.	Japan, Italy	Matsudate et al. 2003; Mazzamuto et al. 2016
<i>Strongyloides callosciureus</i>	Japan, Italy	Sato et al. 2007; Mazzamuto et al. 2016; Miyabe et al. 2016
Capillariidae	Japan	Miyabe et al. 2016
Capillarinae	Italy	Mazzamuto et al. 2016
Cestode		
Cyclophyllidae		
Hymenolepididae		
<i>Hymenolepis</i> sp.	France	Dozières et al. 2010

(1) Medvedev et al. 2011; (2) Durden and Musser 1994; (3) Orrell 2011; (4) Strandtmann and Wharton 1958; (5) Fain and Bochkov 2001; (6) Guglielmone et al. 2003; (7) Kolonin 2009; (8) Pape 2001; (9) Heteroxenous parasite, accidentally acquired (Dozières et al. 2010); (10) *Gongylonema* spp. are cosmopolite parasite found in wild and domestic mammals and birds, heteroxenous parasite accidentally acquired (Sato et al. 2005; Dozières et al. 2010).

Techniques, number of squirrels sampled and time period of the parasitological studies of *C. erythraeus* used for comparison among countries: (A) Ectoparasite survey, n=105, 2001-2003, Kamakura (Kanagawa Prefecture, Japan); (B) Ectoparasite and helminth survey in France (n=29, 2009, two sites in Alpes-Maritimes) and Belgium (n=20, 2008, urban park in Dadizele); inspection of digestive tracts and other organs for helminths; (C) Ectoparasites and helminth survey, n=135 and n=74 respectively, 2011-2014, Varese province (Italy); inspection of whole gastrointestinal tracts for endoparasites; (D) Ectoparasite survey, n=437, 2008 and 2010, all invasion foci in Argentina known until 2010 (Luján and Escobar, Buenos Aires province, Cañada de Gómez, Santa Fe province, and La Cumbrecita, Córdoba province); (E) Ectoparasites and helminths survey, n=274 and n=103 respectively, and co-inhabiting non-volant native mammals in Argentina (main invasion focus Luján), 2010; faeces analyses for endoparasites; (F) Helminth survey in two invasion foci of Argentina: the main invasion focus Luján, n=40, 2011, and Cañada de Gómez, n=32, 2008; inspection of entire digestive tracts.

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