Supplementary S1. Small-mammal ectoparasites sampled on woodland patches in a savanna region of Brazil. Number of host parasitized is in parenthesis, after the ectoparasite name.

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| **Hosts (No. non-infested/no. infested individuals)** | Mesostigmata | |  | Ixodida | |  | Phthiraptera | | | | |  | Siphonaptera |
| Laelapidae | Macronyssidae |  | Ixodidae | Argasidae |  | Gyropidae | Trimenoponidae | Hoplopleuridae | Polyplacidae | Haematopinidae |  | Rhopanopsyllidae |
| **Didelphidae** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Didelphis albiventris* (110/18) | - | *Ornithonyssus* sp.(1) |  | *Amblyomma coelebs* (57)  *A. dubitatum* (1)  *A. parkeri* (1)  *A. parvum* (2)  *A. ovale* (3)  *A. sculptum* (38)  *Amblyomma* sp.(70) | *Ornithodoros mimon* (48) |  | - | - | - | - | - |  | - |
| *Gracilinanus agilis* (70/329) | - | *O. brasiliensis* (1)  *Ornithonissus* sp.(5) |  | *Amblyomma* sp.(9) | *O. mimon* (58) |  | - | - | - | - | - |  | - |
| *Monodelphis domestica* (5/3) | *Androlaelaps* sp.1(5) | - |  | *Ixodes amarale* (1) | - |  | - | *Cummingsia peramydis* (1) | - | - | - |  | - |
| *Thylamys macrurus* (45/80) | - | *O. wernecki* (1) |  | *Amblyomma* sp.(5) | *O. mimon* (35) |  | - | - | - | - | - |  | - |
| **Cricetidae** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Calomys callosus* (19/4) | *A. fahrenholzi* (4)  *Laelaps pilifer* (1)  *L. mazzai* (19) | *Ornithonissus* sp.(2) |  | *A. sculptum* (1)  *Amblyomma* sp.(1) | - |  | - | - | *Hoplopleura* cf. *cooki* (3) | - | - |  | - |
| *Cerradomys maracajuensis* (4/1) | *A. fahrenholzi* (1)  *Gigantolaelaps vitzthumi* (4)  *L. differens* (3) | - |  | - | - |  | - | - | - | - | - |  | - |
| *Cerradomys scotti* (13/0) | *G. vitzthumi* (13)  *L. differens* (7) | - |  | *Amblyomma* sp.(1) | - |  | - | - | *H. quadridentata* (3) | - | - |  | - |
| *Hylaeamys megacephalus* (28/0) | *A. fahrenholzi* (25)  *G. oudemansi* (28) | *Ornithonissus* sp.(1) |  | *A. ovale* (8)  *Amblyomma* sp.(7) | - |  | - | - | - | - | - |  | *Polygenis tripopsis* (2) |
| *Nectomys rattus* (2/0) | *A. fahrenholzi* (1)  *G. goyanensis* (1)  *L. manguinhosi* (1) | - |  | *Amblyomma* sp.(2) | - |  |  |  | *H. quadridentata* (1) |  |  |  |  |
| *Oecomys cleberi* (5/2) | *G. canestrinii* (5) | *O. pereirai* (1) |  | - | - |  | - | - | - | - | - |  | - |
| *Oecomys mamorae* (25/0) | *A. fahrenholzi* (1)  *G. mattogrossensis* (27)  *G. oudemansi* (22)  *L. crinigera* (5)  *L. furmani* (16) | - |  | - | - |  | - | - | - | - | *Pterophthirus* sp.1(2) |  | - |
| *Oecomys roberti* (2/1) | *G. canestrinii* (1)  *L. pilifer* (1) | - |  | - | - |  | - | - | - | - | - |  | - |
| *Oligoryzomys nigripes* (2/0) | *G. wolffsohni* (1)  *L. paulistanensis* (1) | - |  | - | - |  | - | - | - | - | - |  | - |
| *Rhipidomys macrurus* (157/18) | *A. fahrenholzi* (11)  *L. fonsecai* (142)  *L. thori* (59)  *Mysolaelaps heteronychus* (117) | - |  | *A. coelebs* (1)  *A. sculptum* (1)  *Amblyomma* sp.(7) | *O. mimon* (3) |  | - | - | *H. angulata* (23) | - | - |  | - |
| **Echimyidae** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Thrichomys pachyurus* (86/1) | *A. projecta* (1)  *Tur lativentralis* (85) | *O. matogrosso* (40)  *O. pereirai* (9)  *Ornithonissus* sp.(2) |  | *A. coelebs* (3)  *A. dubitatum* (1)  *A. ovale* (5)  *A. sculptum* (2)  *Amblyomma sp.* (16) | - |  | *Gyropus lenti* (71) | - | - | *Ctenophthirus cercomydis* (21) | - |  | - |