**Additional file 1**

**Additional file 1: Figure S1.** The study site is located in the Municipality of Tauramena, Casanare (Colombia), which is characterized by savannas and gallery forests adjacent to water bodies. In this region oil palm plantations have mainly substituted savannas that previously were used for cattle and agriculture activities. The study site is adjacent to the Cusiana River and has an area of 25 ha. Here we collected triatomines in an *Attalea butyracea* forest (2 ha) and an oil palm plantation (11 ha). Black dots in the figure represent baited live traps locations in both habitats.

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**Additional file 1: Table S1.** Data from mammal species found in vector blood meals, which was used for the statistical analyses. Body size was estimated by the calculation of skin surface area, using the allometric scaling relationship between body mass *M* and skin surface *A* given by the expression *A*α *M2/3*. Host body mass data was taken from (Myers et al., 2017; Parr et al., 2014).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Order | Species | Diet | Group | Mass (grams) | Body size | References |
| Artiodactyla | *Bos taurus* |  | Domestic | 347,000 | 4938 |  |
| *Sus scrofa* |  | Domestic | 150,000 | 2823 |  |
| Carnivora | *Canis lupus familiaris* |  | Domestic | 16,800 | 656 |  |
| *Procyon sp* | Omnivore | Generalist | 1,160 | 110 | (Francisco and Bisbal, 1986) |
| Chiroptera | *Artibeus sp* | Herbivore | Specialist | 66 | 16 | (Morrison, 1980) |
| *Myotis sp* | Insectivorous | Specialist | 12 | 5 | (Kalko et al., 1996) |
| Marsupialia | *Didelphis sp* | Omnivore | Generalist | 1,530 | 133 | (Emmons, 1990) |
| Primata | *Cebus sp* | Frugivore | Specialist | 2,200 | 169 | (Emmons, 1990) |
| Rodentia | *Coendou sp* | Herbivore | Specialist | 3,280 | 221 | (Roberts et al., 1985) |
| *Mus musculus* | Omnivore | Generalist | 23 | 8 | (Emmons, 1990) |
| *Oligoryzomys fulvescens* | Omnivore | Generalist | 15 | 6 | (Emmons, 1990; Utrera et al., 2000) |
| *Proechimys sp* | Frugivorous/granivorous | Specialist | 23 | 8 | (Adler, 1995) |
| *Zygodontomys brevicauda* | Omnivore | Generalist | 22 | 8 | (Emmons, 1990; Utrera et al., 2000) |
| Xenarthra | *Tamandua sp* | Ants | Specialist | 3,500 | 231 | (Emmons, 1990) |

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