Appendix S4

Scavenging in two mountain ecosystems: Distinctive contribution of ants in grassland and non-ant invertebrates in forest

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Before ant suppression (Dec 2019), we collected 776 ants from 49 species (22 genera), 33 species in *campo rupestre* and 31 in Capões de Mata (Table S1). The richness between the two environments did not differ (p = 0.9282). However, habitats differed in their community composition (PERMANOVA, p = 0.0306, Fig 1).

Table S1: Frequency of ant species in pitfall traps in all plots before ant suppression in tropical montane forests and *campo rupestre* (grassland). Samples were conducted in December using pitfall traps. Specimens were deposited in the EcoTrop Lab Collection at the Universidade Federal de Viçosa. The number in parentheses is the number of plots where the species was found.

Species	Forest	Grassland
Acromyrmex_cf.coronatus	5 (3)	0
Acromyrmex_sp.1	2 (1)	1 (1)
Acromyrmex_sp.2	2 (2)	3 (3)
Apterostigma_cf.pilosum	1 (1)	0
Brachymyrmex_cf.coactus	0	4 (2)
Camponotus_alboannulatus	1 (1)	0
Camponotus_lespesii	3 (1)	0
Camponotus_sp.1	0	8 (4)

Species	Forest	Grassland
	0	1 (1)
Camponotus_sp.2		
Camponotus_vittatus	0	1 (1)
Camponotus(Myrmobrachys)_cf.crassus	0	7 (3)
Camponotus(Myrmothrix)_rufipes	10 (4)	3 (3)
Crematogaster_sp.2	0	1 (1)
Crematogaster_sp.5	1 (1)	1 (1)
Crematogaster_sp.6	1 (1)	0
Crematogaster_sp.8	1 (1)	0
Crematogaster_sp.9	2 (1)	0
Cyphomyrmex_minutus	4 (2)	20 (7)
Ectatomma_permagnum	0	1 (1)
Ectatomma_sp.1	0	2 (1)
Ectatomma_tuberculatum	0	6 (1)
Gnamptogenys_striatula	27 (8)	3 (2)
Heteroponera_cf.mayri	2 (2)	0
Hylomyrma_sp.1	2 (2)	5 (3)
Hylomyrma_sp.2	3 (3)	0
Hylomyrma_sp.3	2 (2)	1 (1)
Labidus_praedator	1 (1)	0
Linepithema_cf.neotropicum	19 (8)	55 (8)
Linepithema_sp.1	0	2 (2)

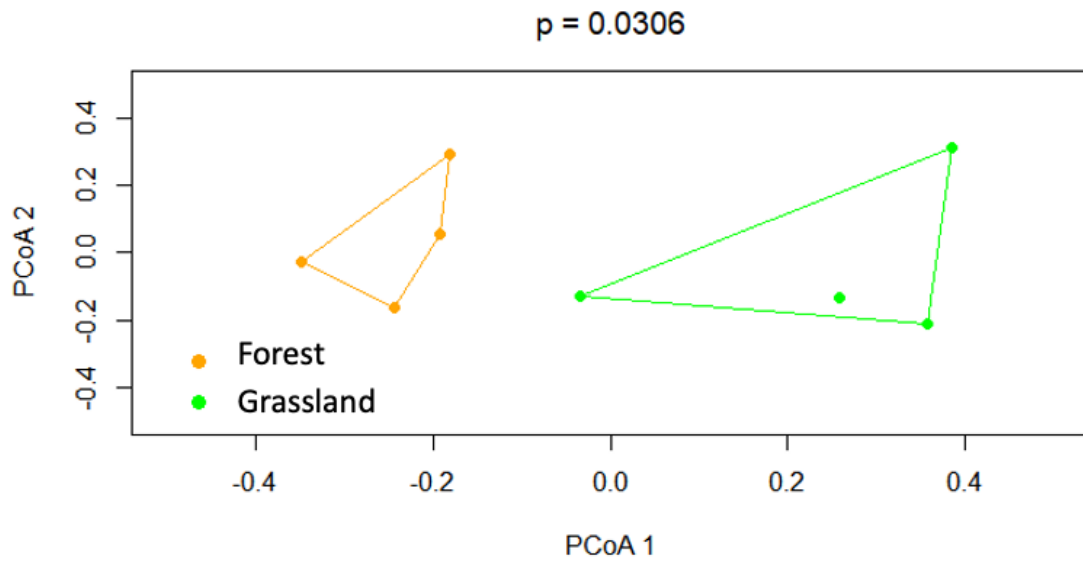| Species	Forest	Grassland
Linepithema_UFV_sp.2	0	1 (1)
Neivamyrmex_sp.	0	1 (1)
Neoponera_latinoda	0	1 (1)
Nylanderia_sp.1	1 (1)	0
Nylanderia_UFV_sp.5	0	1 (1)
Pachycondyla_harpax	3 (2)	0
Pachycondyla_striata	33 (8)	12 (7)
Pheidole_cf.alexeter	3 (1)	0
Pheidole_cf.vafra	4 (3)	3 (3)
Pheidole_sp.2	23 (8)	8 (6)
Pheidole_UFV_sp.11	8 (4)	0
Pheidole_vafra	22 (8)	9 (4)
Pogonomyrmex_naegelli	0	12 (3)
Pseudomyrmex_cf.termitarius	0	1 (1)
Pseudomyrmex_sp.1	0	2 (2)
Solenopsis_geminata	1 (1)	2 (2)
Solenopsis_sp.1	11 (6)	6 (4)
Solenopsis_sp.2	1 (1)	0
Solenopsis_sp.3	2 (1)	0
Solenopsis_sp.5	0	15 (7)

Figure S1: Principal coordinate analysis (PCoA) between ant communities collected in pitfall traps in control plots after ant suppression (March 2020) in tropical montane forests and *campo rupestre* (grassland).