

Appendix S5

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

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Effect of bait on non-ant invertebrates

We assess the effect of suppression and habitat on the abundance of non-target invertebrates in pitfall traps Using a Generalized Linear Mixed Models (GLMM) with a negative binomial error distribution. Ant suppression treatment (control/suppression) and habitat were set as explanatory variables, the number of non-ant invertebrates collected in pitfall traps was selected as the response variable, and the plot identity as a random effect. Ant suppression did not affect the overall non-ant invertebrates abundance ($\text{Chi}=0.83$, $P=0.36$). They suggested that the ant suppression treatment did not impact the overall non-target epigeic invertebrate community (Figure S1).

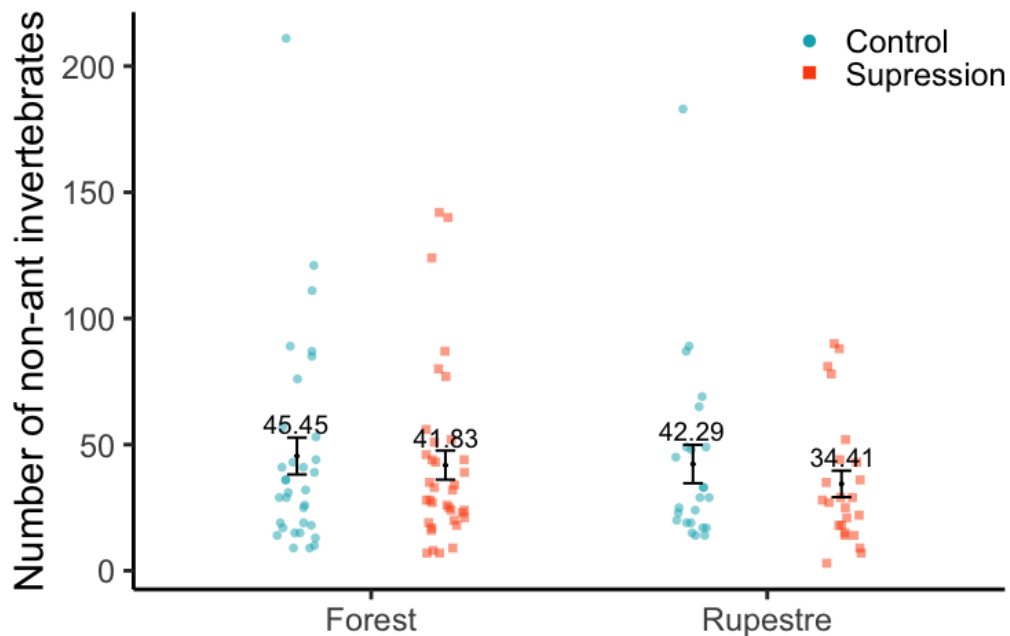


Figure S1: Number of non-ant invertebrates per pitfall trap in ant suppression plots (suppression) and control plots set in two mountainous habitats in southeast Brazil, forest (montane rainforest forest) and Grassland (*campo rupestre*). Pitfall traps were set 90 days after the beginning of ant suppression. Black points represent the mean and lines standard errors of groups.

Table S1: Total abundance of main taxa of non-ant invertebrates in pitfall traps after ant suppression in tropical montane forests and *campo rupestre* (grassland). The number in parentheses is the frequency of occurrence in pitfall traps.

Order	Forest		Grassland	
	Control	Suppression	Control	Suppression
Acarina	11 (8)	43 (17)	8 (7)	4 (4)
Araneae	49 (22)	58 (26)	15 (8)	19 (11)
Archaeognatha	1 (1)	0	7 (3)	7 (3)
Blattodea	3 (3)	6 (5)	2 (2)	1 (1)
Blattodea (Termite)	3 (2)	11 (4)	110 (1)	2 (2)
Coleoptera	134 (25)	87 (27)	17 (9)	40 (17)
Collembola	871 (33)	728 (35)	736 (24)	528 (22)
Dermoptera	1 (1)	0	0	0
Diplopoda	1 (1)	0	0	0
Diptera	314 (32)	429 (34)	125 (23)	172 (22)
Hemiptera	8 (8)	16 (11)	3 (3)	15 (6)
Hymenoptera	51 (18)	32 (17)	6 (6)	10 (8)
Lepidoptera		3 (1)		
Opiliones		1 (1)	1 (1)	1 (1)
Orthoptera	13 (9)	11 (9)	11 (6)	4 (3)
Pseudoscorpiones	1 (1)			
Psocoptera		1 (1)		
Thysanoptera		1 (1)	10 (4)	1 (1)