Appendix S3

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

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Table S1: Nutritional composition of baits offered. Proportions for dried *Tenebrio molitor* extracted from Hong *et al.* 2020 review and values for whole sunflower seeds extracted from review by Anjum *et al*. 2012

	Dried mealworm ***Tenebrio molitor***	**Sunflower seeds** ***Helianthus* sp.**
Carbohydrate	-	6.11%
Protein	52.4 %	18.72%
Fat	30.8 %	37.47%
Fiber	7.4 %	28.30%
Others	9.4 %	9.4 %

Table S2: Average and standard deviation (Sd) of bait mass offered and removed and relative proportion of mass removed in each combination of treatments.

Bait type	Habitat	Ant Suppression	Cage	Average Offered (g)	Sd Offered (g)	Averaged removed (g)	Sd Removed (g)	Proportion Removed %
Protein	Forest	Control	Caged	2.02	0.02	1.88	0.40	92.96
Protein	Forest	Control	Open	2.02	0.02	1.91	0.29	94.85
Protein	Forest	Suppression	Caged	2.01	0.01	1.32	0.68	65.82
Protein	Forest	Suppression	Open	2.02	0.01	1.45	0.64	72.10
Protein	Grassland	Control	Caged	2.04	0.16	0.95	0.79	47.12
Protein	Grassland	Control	Open	2.02	0.02	1.00	0.58	49.95
Protein	Grassland	Suppression	Caged	2.01	0.01	0.38	0.34	18.81
Protein	Grassland	Suppression	Open	2.04	0.17	0.51	0.27	25.15
Seed	Forest	Control	Caged	3.02	0.02	1.66	0.99	55.07
Seed	Forest	Control	Open	3.02	0.02	1.76	0.97	58.41
Seed	Forest	Suppression	Caged	3.02	0.03	1.07	0.78	35.75
Seed	Forest	Suppression	Open	3.02	0.02	1.31	0.81	43.51
Seed	Grassland	Control	Caged	3.01	0.01	1.48	1.05	49.08
Seed	Grassland	Control	Open	3.02	0.02	1.50	0.93	49.92
Seed	Grassland	Suppression	Caged	3.01	0.01	0.61	0.57	20.42
Seed	Grassland	Suppression	Open	3.02	0.02	0.69	0.59	23.00

Table S3: Analysis of Deviance Table: We built a Generalized Linear Mixed Models (GLMM) with Binomial distribution, setting ant suppression, habitat, cage presence, and bait type as explanatory variables, the proportion of dry mass removed as the response variable, and the plot identity as a random effect. We assessed the 5% significance of each explanatory variable and the interactions between each pair of variables using type II Wald chi-square tests (significant variables are indicated in bold).

Variable	Wald chi-square	Degrees of freedom (Df)	P-value
Ant suppression	**25.16**	**1**	**<0.001**
Habitat	**27.64**	**1**	**<0.001**
Bait type	**19.28**	**1**	**<0.001**
Cage presence	2.1339	1	0.14
Habitat : Ant suppression	1.07	1	0.29
Habitat : Bait type	**23.63**	**1**	**<0.001**
Habitat : Cage presence	0.46	1	0.49
Ant suppression : Bait type	**4.11**	**1**	**0.04**
Ant suppression : Cage presence	0.04	1	0.84
Bait type : Cage presence	0.02	1	0.87

REFERENCES

Anjum, F. M., M. Nadeem, M. I. Khan, and S. Hussain. 2012, April. Nutritional and therapeutic potential of sunflower seeds: A review.

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