

SUPPLEMENTARY FILE 1

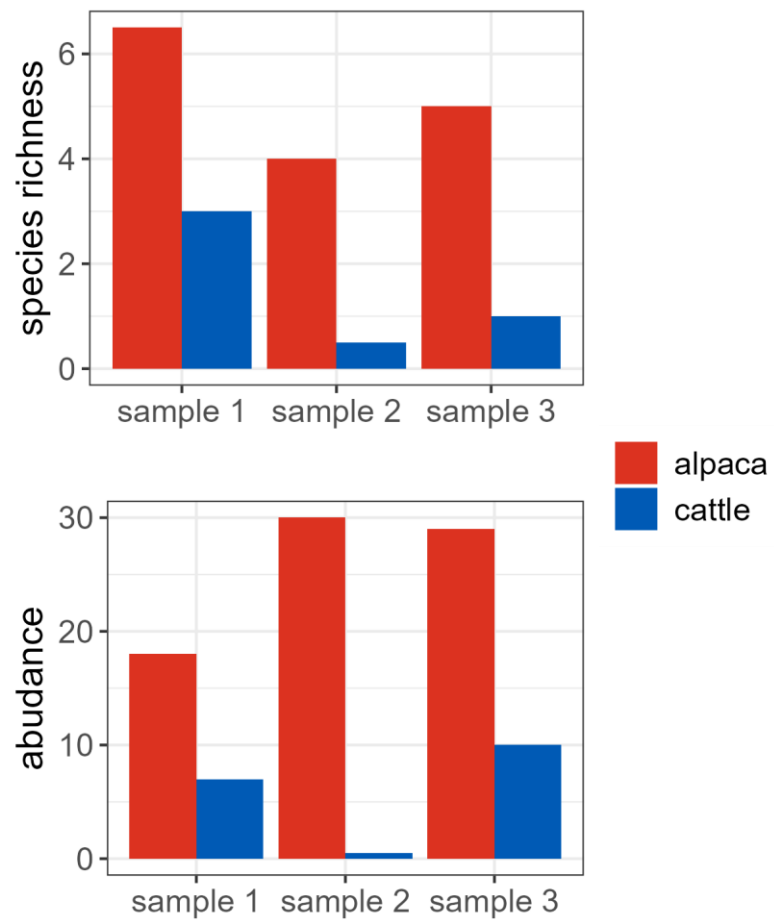


Figure S1. Differential attractivity of alpaca latrines and cattle dung pats aged 12 days old. Richness and abundance of sample 1 and sample 2 are the mean values of two replicates, while those of sample 3 are based on a single replicate.

Table S1. List of the species and abundances of dung beetles collected in the alpaca latrines or cow dung pats near pasture A in July and August 2024.

		alpaca latrine				cow dung pat				Tot
Subfamilies	Species	1	2	3	tot	1	2	3	tot	
Geotrupinae	<i>Geotrupes spiniger</i>	0	6	0	6	0	0	0	0	6
	<i>Geotrupes stercorarius</i>	1	1	3	5	0	0	0	0	5
	<i>Trypocopris vernalis</i>	0	0	0	0	5	0	0	5	5
Scarabaeinae	<i>Euoniticellus fulvus</i>	1	1	0	2	0	0	0	0	2
	<i>Onthophagus fracticornis</i>	0	21	4	25	0	3	3	6	31
	<i>Onthophagus joannae</i>	8	0	0	8	15	1	1	17	25
	<i>Onthophagus illiricus</i>	0	0	0	0	0	1	0	1	1
	<i>Onthophagus medius</i>	0	0	0	0	1	0	0	1	1
Aphodiinae	<i>Acrossus depressus</i>	1	0	0	1	0	0	0	0	1
	<i>Acrossus rufipes</i>	1	0	0	1	0	0	1	1	2
	<i>Aphodius pedellus</i>	5	48	39	92	2	47	73	122	214
	<i>Bodilopsis rufa</i>	10	37	10	57	3	8	14	25	82
	<i>Colobopterus erraticus</i>	2	13	0	15	7	0	23	30	45
	<i>Esymus pusillus</i>	52	6	1	59	4	1	0	5	64
	<i>Otophorus haemorrhoidalis</i>	1	0	1	2	1	0	4	5	7
	<i>Oxyomus sylvestris</i>	10	0	0	10	74	3	0	77	87
	<i>Planolinoides borealis</i>	0	0	0	0	1	0	0	1	1
	<i>Rhodaphodius foetens</i>	2	1	0	3	0	0	1	1	4
	<i>Teuchestes fossor</i>	1	0	0	1	1	1	1	3	4
Tot					287				300	587