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Supplement of

Vulnerability of carbon in subalpine soils in the face of warmer temperatures

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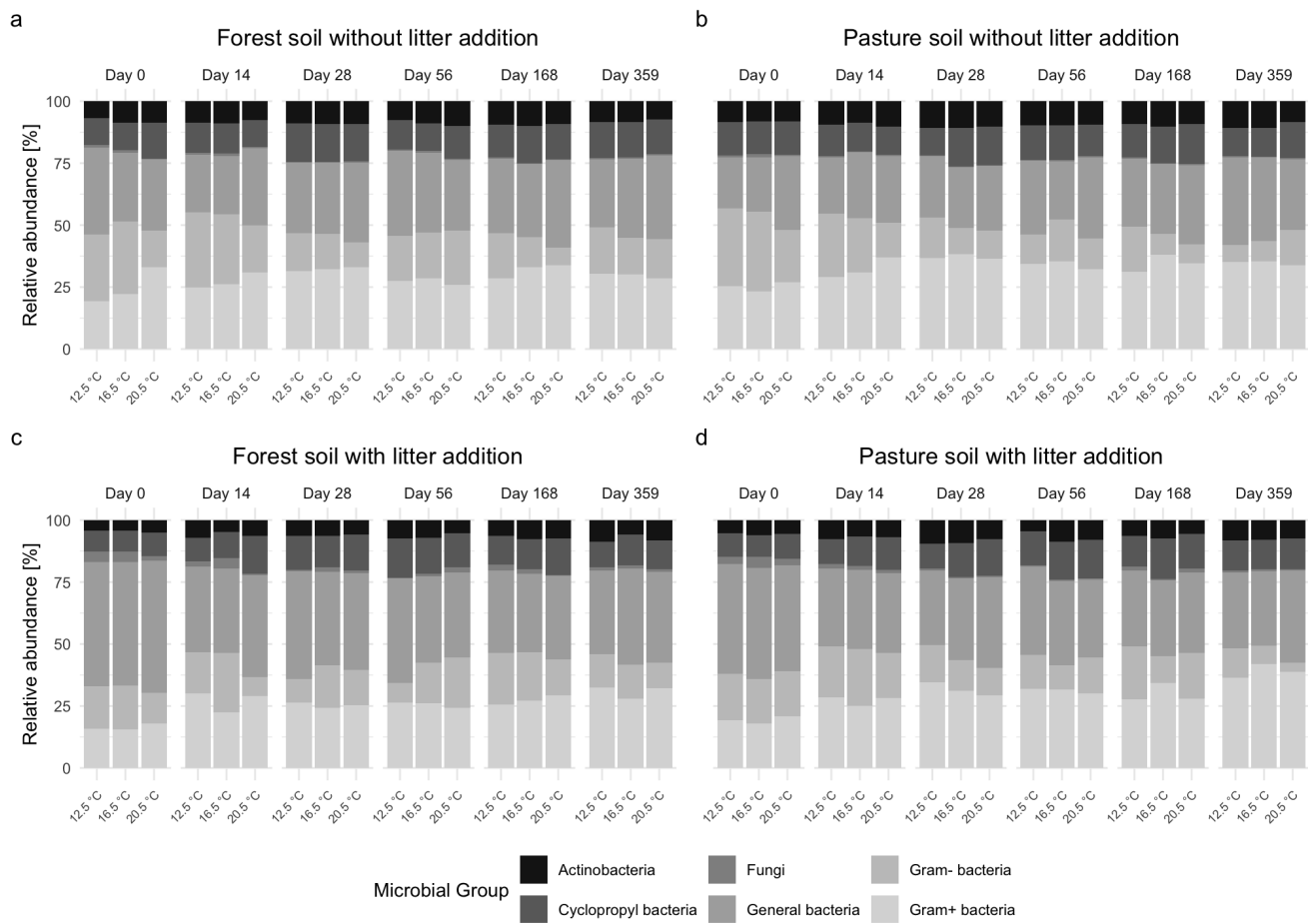


Figure S1. Relative phospholipid fatty acid (PLFA) abundance of the total concentrations for functional microbial groups (general bacteria, Gram⁺ bacteria, Gram⁻ bacteria, fungi, actinobacteria, cyclopropyl bacteria) in (a) subalpine forest soil without litter addition, (b) subalpine pasture soil without litter addition, (c) subalpine forest soil with *L. perenne* litter addition, and (d) subalpine pasture soil with *L. perenne* litter addition. Soils were incubated for 360 days at three temperatures (12.5 °C, 16.5 °C, 20.5 °C).

Table S1. Sampling scheme of the incubation experiment with dates of the respiration measurements and the six destructive samplings.

		Measurement	Date	Incubation Day
Pre- incubation	Start pre-incubation	-	22.07.21	-18
		1	29.07.21	-11
		2	05.08.21	-4
Incubation	Start incubation, litter addition, destructive sampling	3	09.08.21	0
		4	12.08.21	3
		5	17.08.21	8
		6	19.08.21	10
	Destructive sampling	7	23.08.21	14
		8	30.08.21	21
	Destructive sampling	9	06.09.21	28
		10	20.09.21	42
	Destructive sampling	11	04.10.21	56
		12	18.10.21	70
		13	08.11.21	91
		14	29.11.21	112
		15	16.12.21	129
		16	05.01.22	149
	Destructive sampling	17	24.01.22	168
		18	22.02.22	197
		19	28.03.22	231
		20	25.04.22	259
		21	30.05.22	294
		22	01.07.22	326
	End incubation, destructive sampling	23	03.08.22	359