**Supplementary File 2** Results from generalized linear mixed models with linear contrasts testing the effects of season (‘autumn vs. spring’) on (**A**) body size, (**B**) density, and (**C**) biomass of microarthropods, Acari, and Collembola. *F*-values are given and the significant effects are in bold font, with \*\* = *P* < 0.01, \*\*\* = *P* < 0.001. The predicted mean ± SD are given and different lowercase letters denote significant (*P* < 0.05) differences between the two seasons.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fauna taxa | (**A**) Body size |  | (**B**) Density |  | (**C**) Biomass |
| *F*-value | Autumn | vs | Spring |  | *F*-value | Autumn | vs | Spring |  | *F*-value | Autumn | vs | Spring |
| Micro-arthropods | 1.16 | 423a±11 | - | 442a±15 |  | **17.03****\*\*\*** | 8194a±406 | ↓ | 4990b±623 |  | 0.45 | 75a±6 | - | 68a±8 |
| Acari | **20.05****\*\*\*** | 342b±11 | ↑ | 415a±14 |  | **11.63****\*\*** | 6366a±361 | ↓ | 4066b±543 |  | 0.34 | 56a±5 | - | 62a±8 |
| Collembola | 0.52 | 683a±26 | - | 652a±36 |  | **13.77****\*\*** | 1828a±189 | ↓ | 924b±235 |  | **15.36****\*\*** | 15a±1.4 | ↓ | 6.3b±1.9 |