**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.

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| 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 |