|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Treatment | Time | Forest | Treatment: Time | Treatment: Forest | Time: Forest | Treatment: Time: Forest |
| Soil water content (%)  | \*\*\* |  | \*\*\* |  |  |  | \* |
| Soluble P (µg P g-1 soil DM) a | + |  | \*\*\* |  |  |  |  |
| Microbial P (µg P g-1 soil DM) a | + | \* | \*\*\* |  |  |  |  |
| Microbial PLFA (nmol PLFA g-1 soil DM)  | \* | \* | \*\* |  |  | \* |  |
| Fungal PLFA (nmol PLFA g-1 soil DM)  | \*\*\* | \* | \* |  |  | + |  |
| Bacterial PLFA (nmol PLFA g-1 soil DM)  | \* | \* | \*\* |  |  | \*\* |  |
| Fungal:bacterial ratio b | \*\*\* |  | \*\* |  |  | \* |  |
| EM fungi (% OTU) a | \*\*\* | \*\* | \* | + | \*\* | + | \*\*\* |
| SAP fungi (% OTU) | \*\*\* | \*\* | \* | \* | \*\* |  | \*\*\* |
| Fungi with unknown EM status (% OTU) a | \*\* |  |  |  |  |  |  |
| Other fungi (% OTU) a | + | \*\*\* | \*\*\* |  | \*\* |  | \*\* |
| Unclassified fungi (% OTU) b |  |  | \*\* |  |  | + | \*\* |
| EMF:SAP ratio b | \*\*\* | \*\*\* | \* | \*\* | \*\* |  | \*\*\* |
| Acid Phosphomonoesterase (µg Phenol g-1 soil DM 3 h-1) b |  | \*\*\* | \*\*\* |  |  |  |  |
| Specific Acid Phosphomonoesterase (µg Phenol nmol PLFAmic-1 3 h-1) b |  |  |  |  |  | \*\*\* |  |
| Phosphodiesterase (µg p-Nitrophenol g-1 soil DM h-1)  | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \* | \* |
| Specific Phosphodieserase (µg p-Nitrophenol nmol PLFAmic-1 h-1) a |  | + | \*\*\* |  |  | \* |  |

**Supplementary Table S1**. Results of the nlme-Model for the IGTs including all sampling dates. Level of significance: \*\*\* is *p* < 0.001, \*\* is *p* < 0.01, \* is *p* < 0.05 and + is *p* < 0.1.

a square-root transformation, b log transformation