**Table S15: p-values of post-hoc tests for differences between the mean Index G and vegetation types (top) and Index G and horizons within the same vegetation type (bottom), p<0.05 indicates a significant relationship at the 95% confidence level (bold values), con= coniferous trees, dec= deciduous trees, grass= grasslands, L: litter, Ah1= topsoil 1 (0-3 cm), Ah2= topsoil 2 (3-10 cm), grey numbers indicate no significant differences in ANOVA.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Vegetation types** | | | |
|  | **L** | **Ah1** | **Ah2** |
| con-dec | **0.01** | 3.7e-09 | **0.0005** |
| con-grass | - | **0.003** | 1.00 |
| dec-grass | - | **2.3e-05** | **0.0003** |
| **Horizons** | | | |
|  | **con** | **dec** | **grass** |
| L-Ah1 | 0.52 | 0.14 | - |
| L-Ah2 | 0.52 | **0.002** | - |
| Ah1-Ah2 | 0.52 | 0.20 | 0.12 |