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| **Supplementary table S1.** Soil chemical analysis of the original soil (n=2). |  |  |  |  |  |  |  |
| Samples Soil  | pH | O.M | Pres | Kres | Cares | Mgres  | H+Al | Al  | BS | CEC | BS | AlSat | SO4 |
| CaCl2 | g dm-3 | mg dm-3 | mmolcdm-3 | V% | m% | mg dm-3 |
| replicate 1 | 5.4 | 11 | 2 | 1.3 | 16 | 7 | 18 | 0 | 24 | 42 | 57 | 0 | 19 |
| replicate 2 | 5.4 | 7 | 1 | 1.2 | 17 | 8 | 18 | 0 | 26 | 44 | 59 | 0 | 10 |
| OM: organic matter; CEC: cation exchange capacity; BS: basic saturation; Pres: Phosphorus resin, Kres: Potasium resin, Cares: Calcium resin, Mgres: magnesium resin. |