



Figure S6. The ordination based on Placement-Factorization showing the distribution of root (R) and soil (S) AMF communities associated with *P. trivialis* (Pt) and *Ph. australis* (Pa) at the contaminated (K) and the uncontaminated site (C). Placement-Factorization indicate the relationship between changes in the abundance of clades in the phylogenetic tree and changes is soil-physicochemical features assessed by the Generalized linear model (GLM). Axes represent balances of the winning edges of the first three phylofactors (F1, F2 and F3). Placement-Factorization was performed considering the effects of moisture/pH H<sub>2</sub>O (A), pH KCl (B) and SOM content (C).