

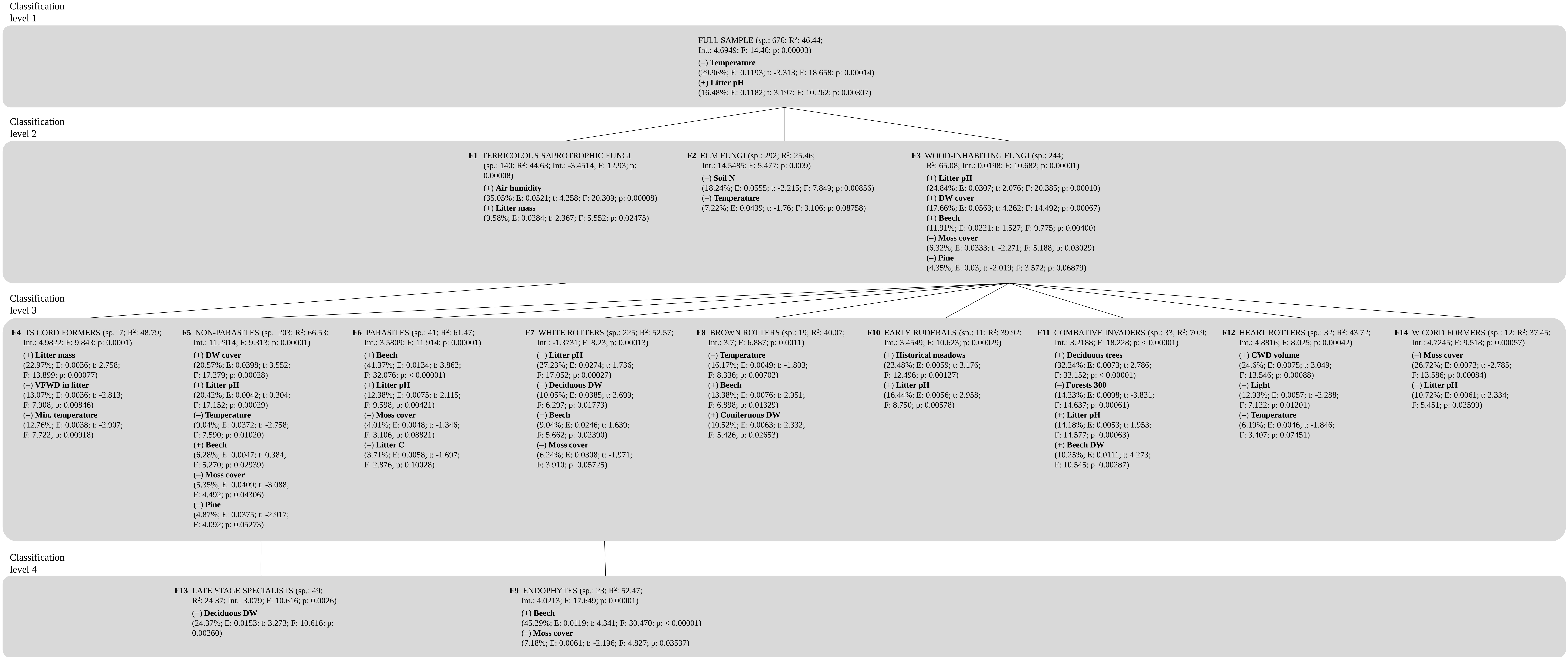


Figure S1. We divided our total observed macrofungal species richness data (FULL SAMPLE) into 14 hierarchical subsets based on the ecological function of species. Species lists of subsets are in Table S2. We built a quasi-Poisson GLM on each subset. Explanatory variables are in bold letters (see Table 1 for legend); response variables by capitals (descriptions in Table S1). Numbering of models is identical to the models in Figure 3. In our data set, all the endophytes (model F9) were a white-rotter but this is not a general rule in nature.

After a response variable in brackets: **Sp.**: the number of species tested in the model; **R²**: McFadden's pseudo-R² of the model multiplied by 100; **Int.**: intercept, **F**: F-statistic, **p**: p-value of the model. After an explanatory variable in brackets: %: proportion of variance explained; **E**: the absolute value of the parameter, **t**: t-value, **F**: F-statistic, **p**: p-value of the explanatory variable.