

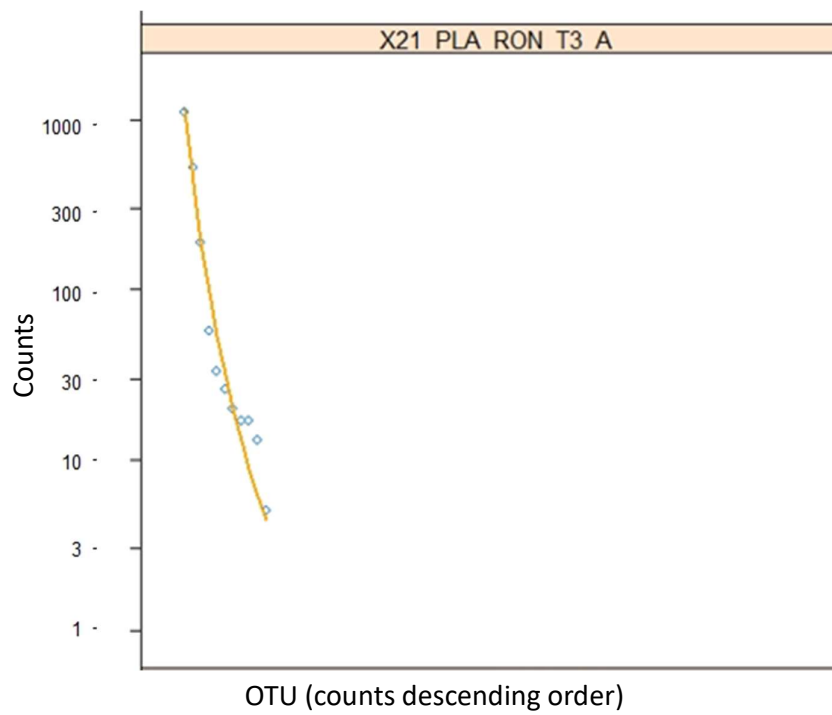
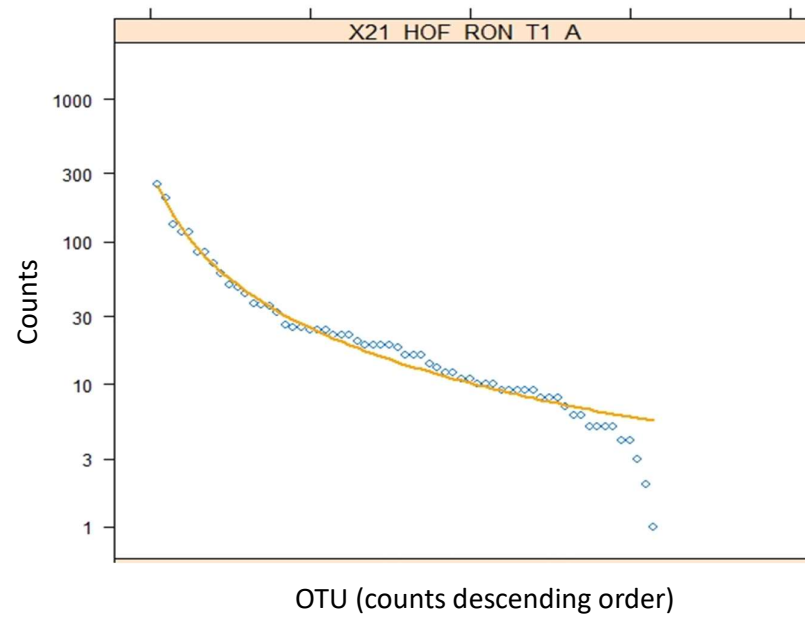
## Supplementary data

1. Map of the sample locations. The coordinates of the sample locations can be found in the Samples\_data.xlsx file.

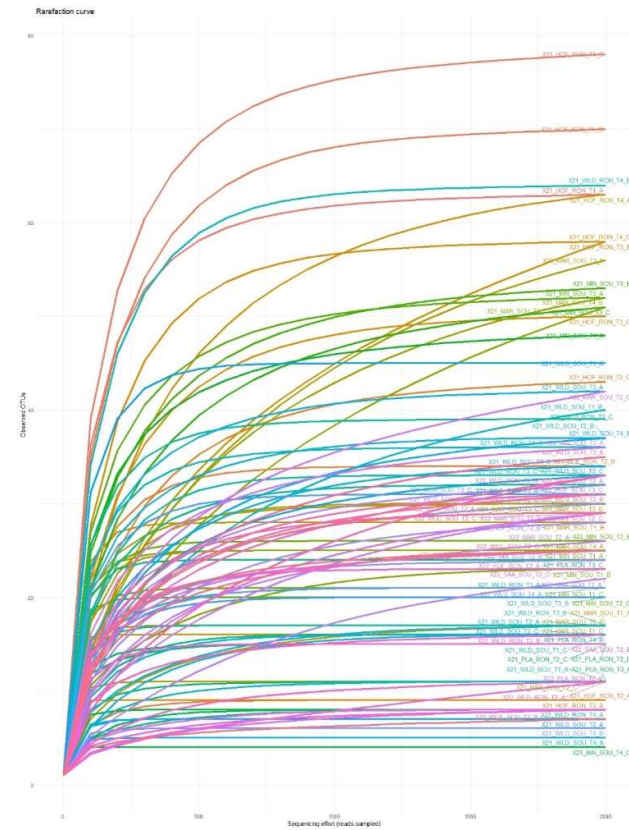
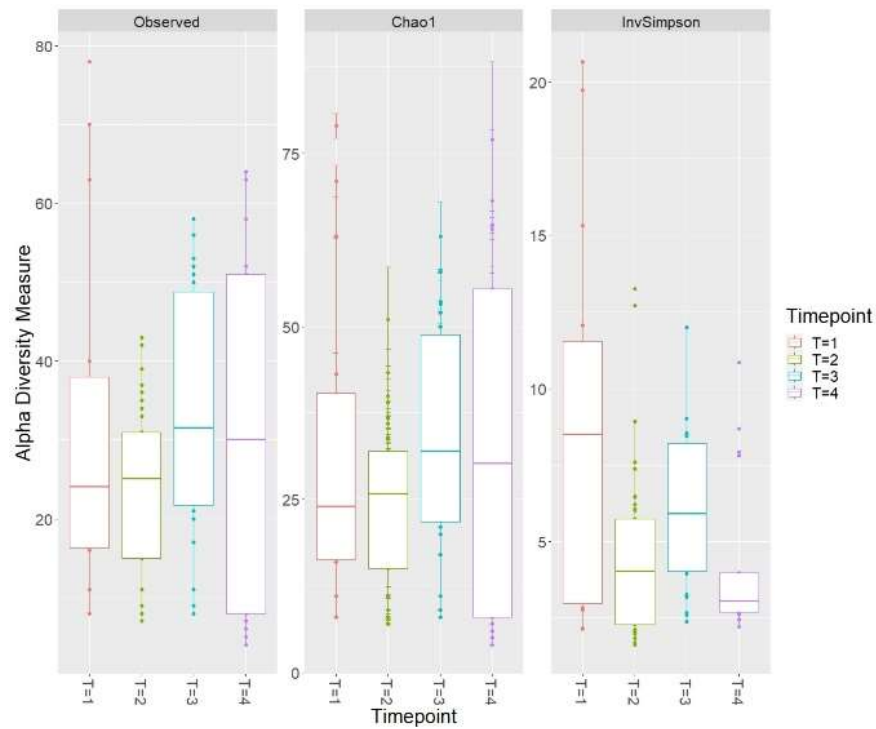


2. Additional sample information can be found in the Sample\_data.xlsx file.
3. Two of the evenness plots in which a clear distinction can be observed. The sample with the name "X21\_HOF\_RON\_T1\_A" contains a community in which there are 56 OTUs present in an even distribution. The second sample (X21\_PLA\_RON\_T3\_A) contains 11 OTUs in an uneven community in which the first two OTUs make up for almost all the reads (i.e., more than 75% of the total reads). Differences like this will affect Simpsons evenness parameter. The rest of the evenness plots can be found in the file Sample\_data.xlsx

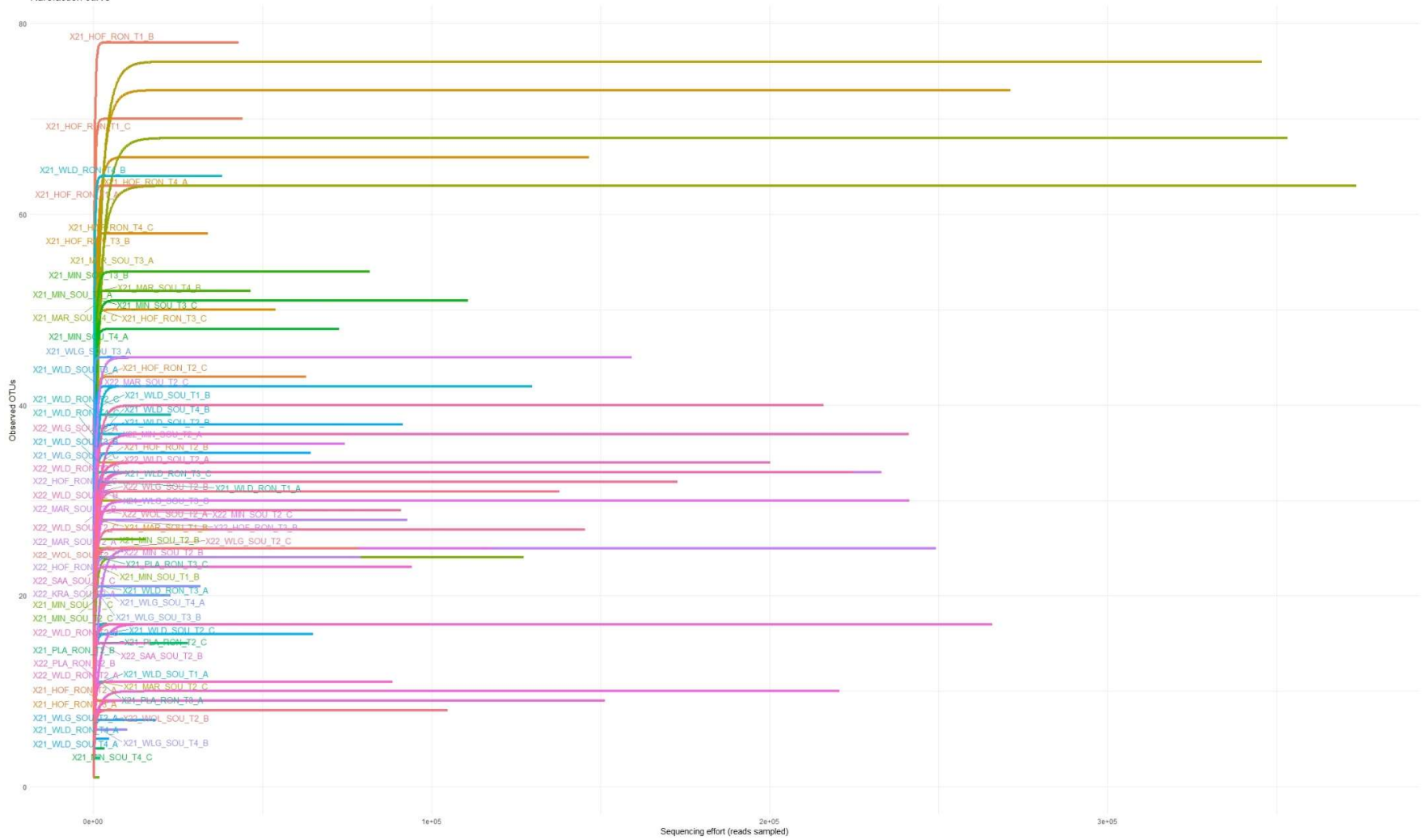
3.



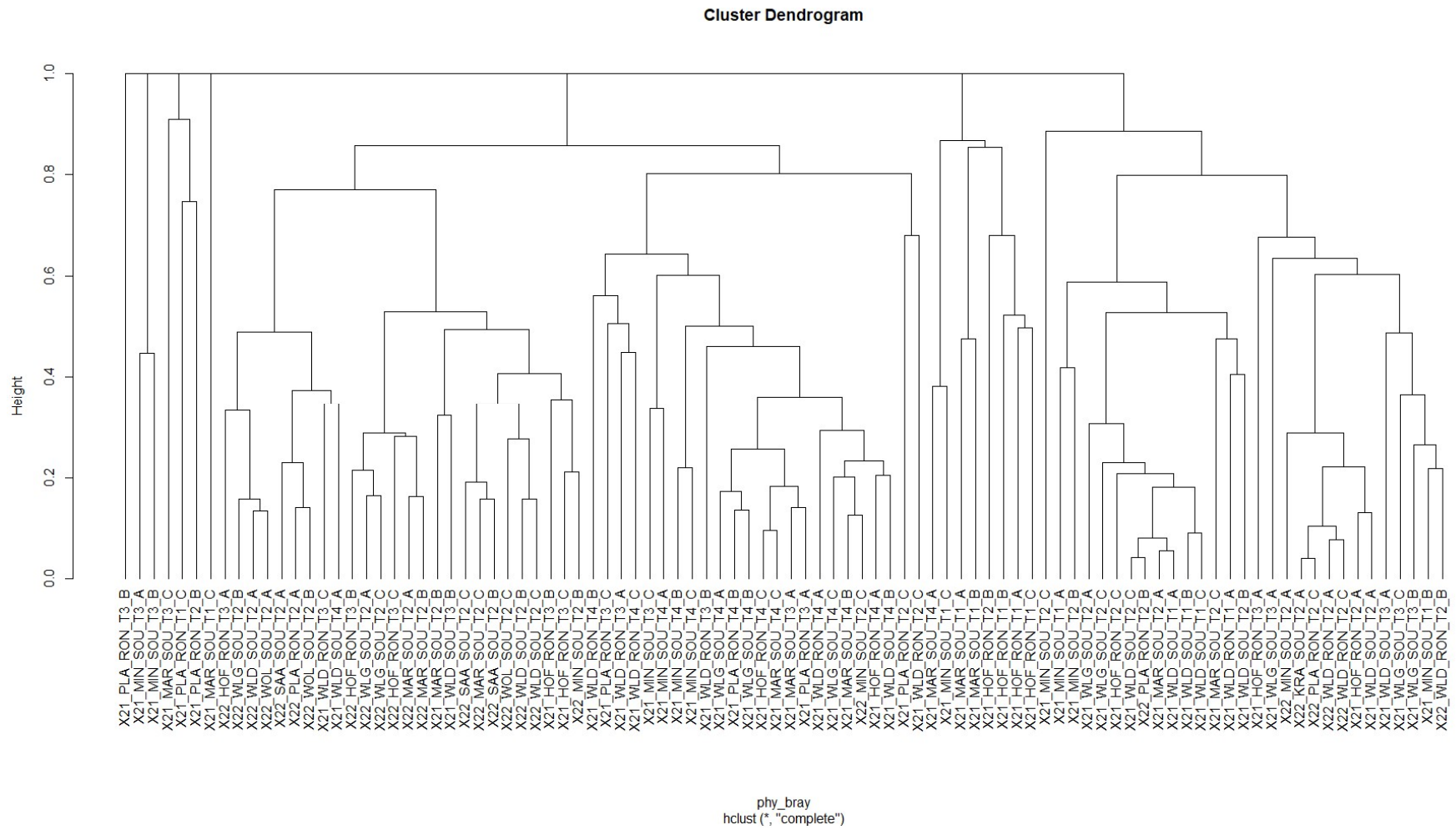
4. Left: Boxplots of the distribution of the number of observed OTUs, Chao1 richness parameter and the inverse of the Simpson diversity parameter from the rarefied data. Separated and coloured by timepoint. Right and on the next page: the rarefaction curves of the sequencing data.



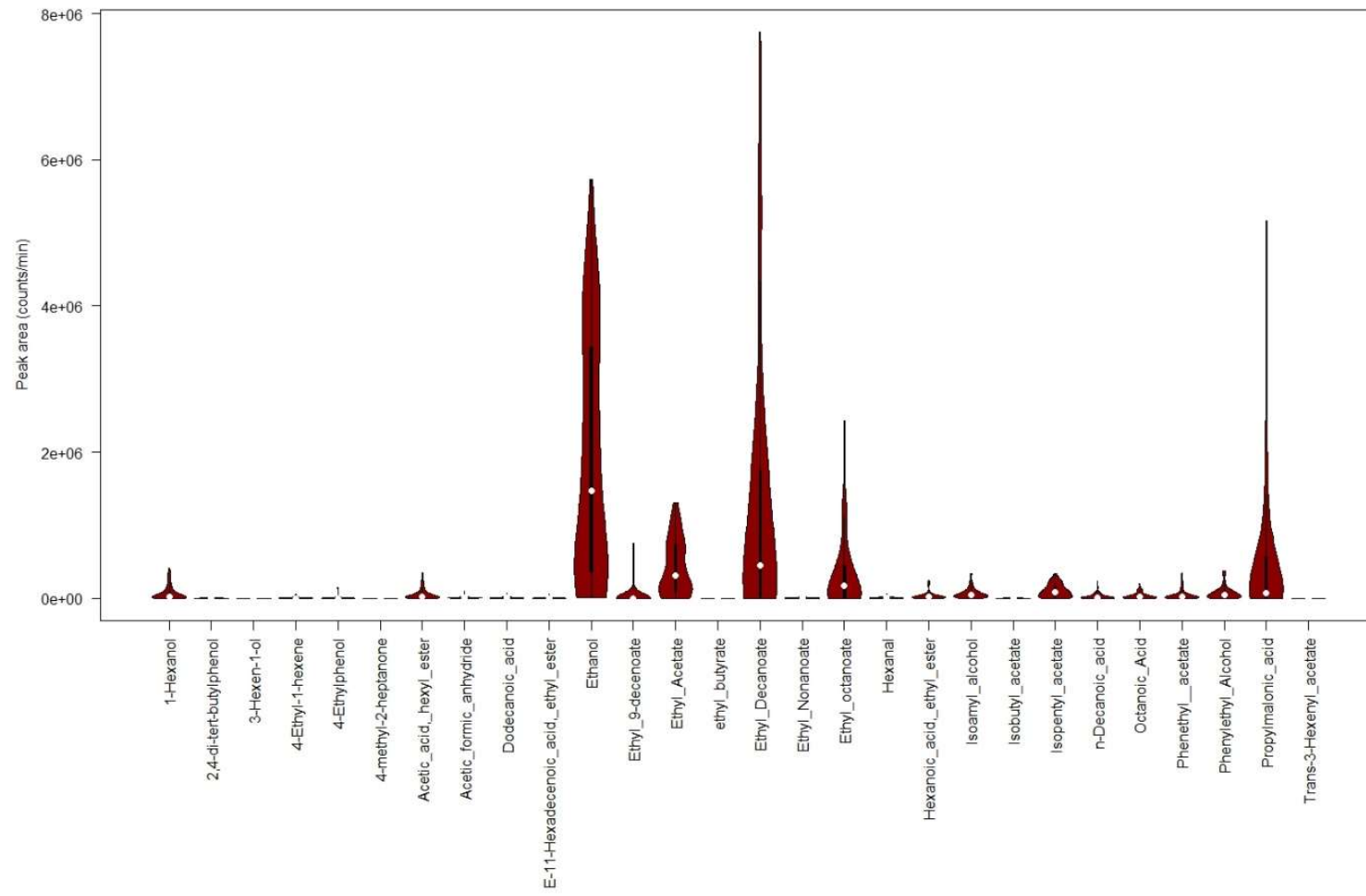
### Rarefaction curve



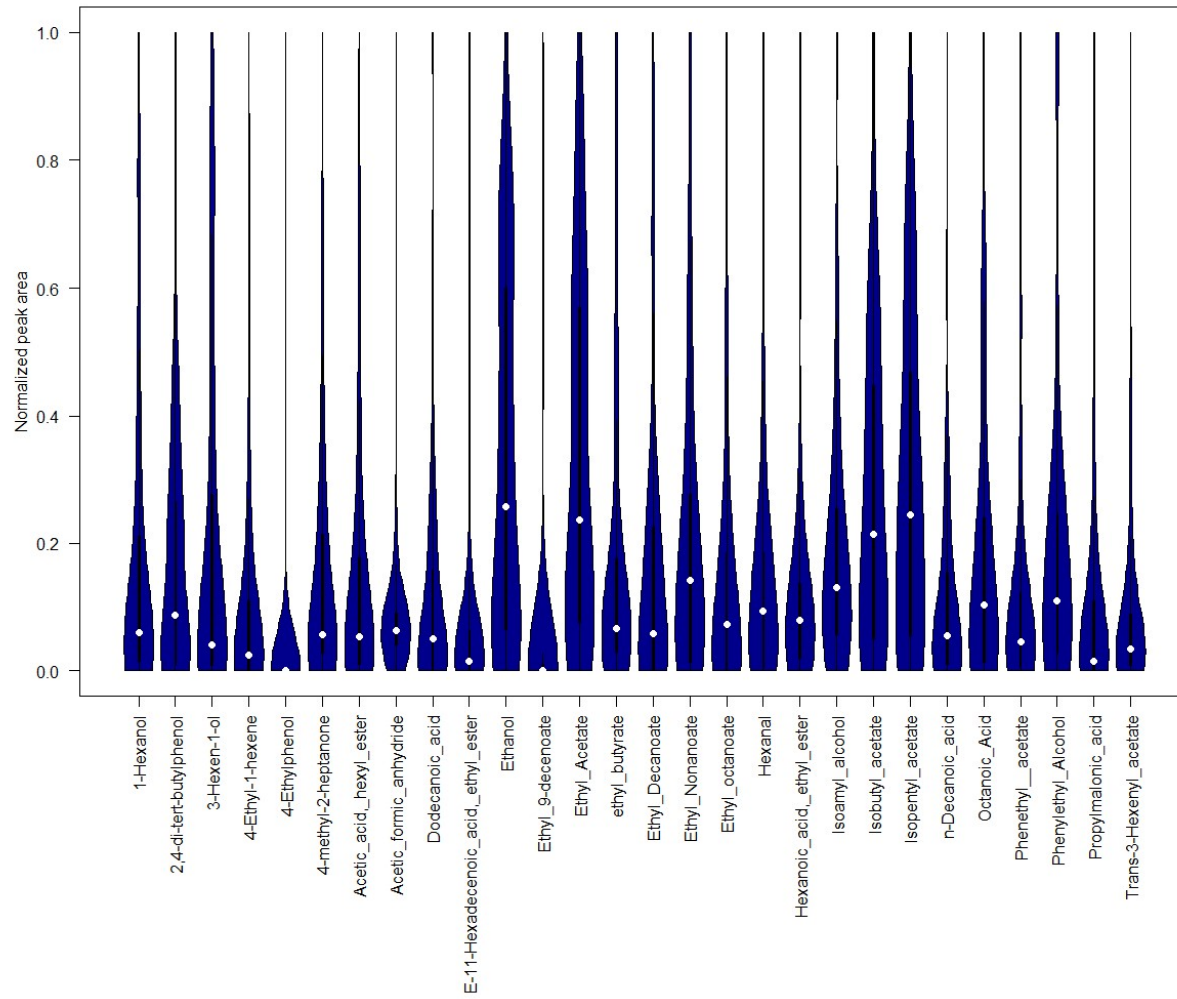
5. Dendrogram of the Bray-Curtis dissimilarity calculated over the rarefied sample data.



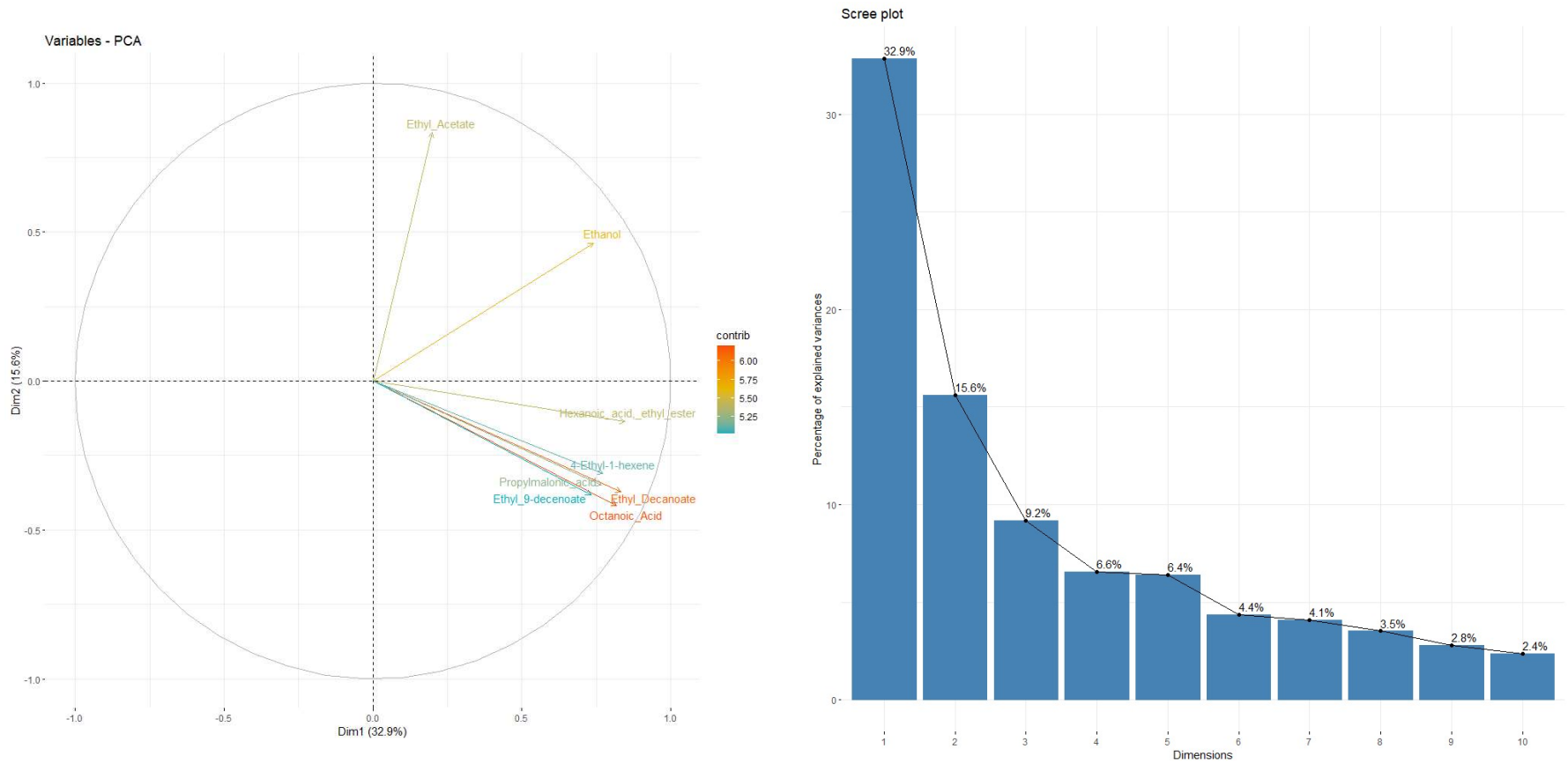
6. Not normalized data of the GC-MS:



## 7. Normalised GC-MS data

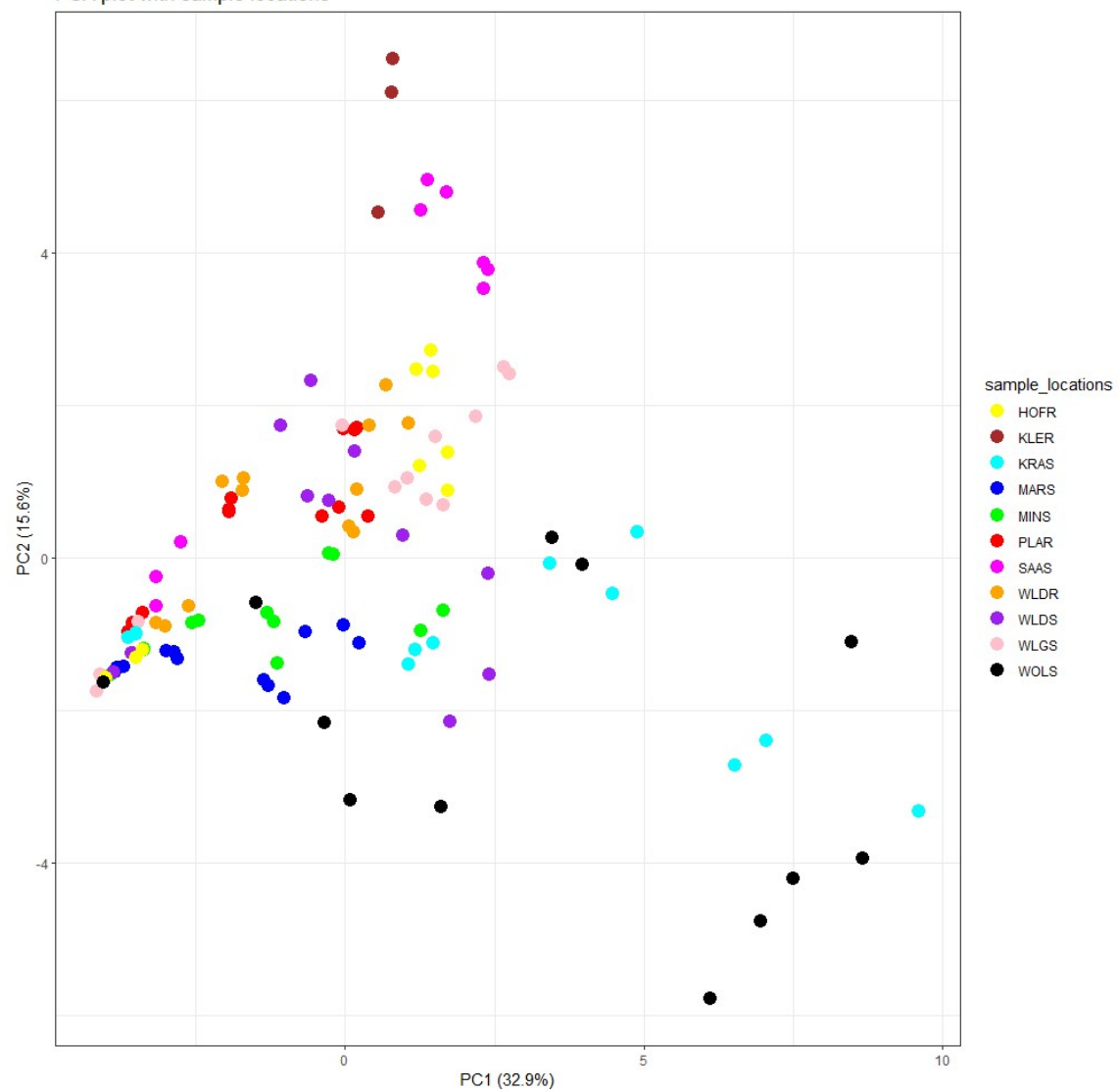


8. Left: Plot of the 8 most contributing variables to the PCA plot in Figure 7. Right: Scree plot of the PCs of the PCA. On the next page, the PCA plot can be found in which the samples are coloured by their respective sampling locations (farms/vineyards)



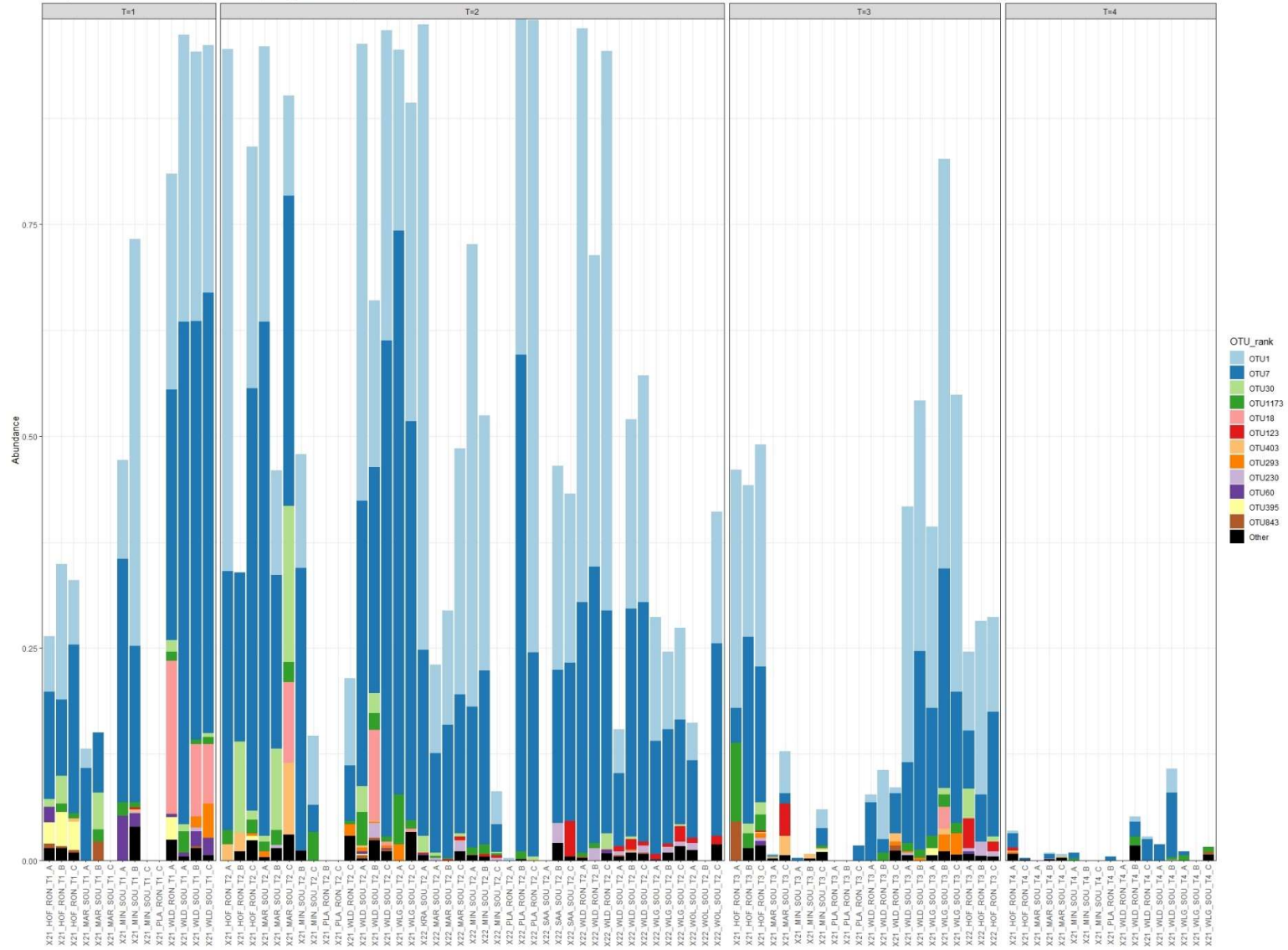


PCA plot with sample locations

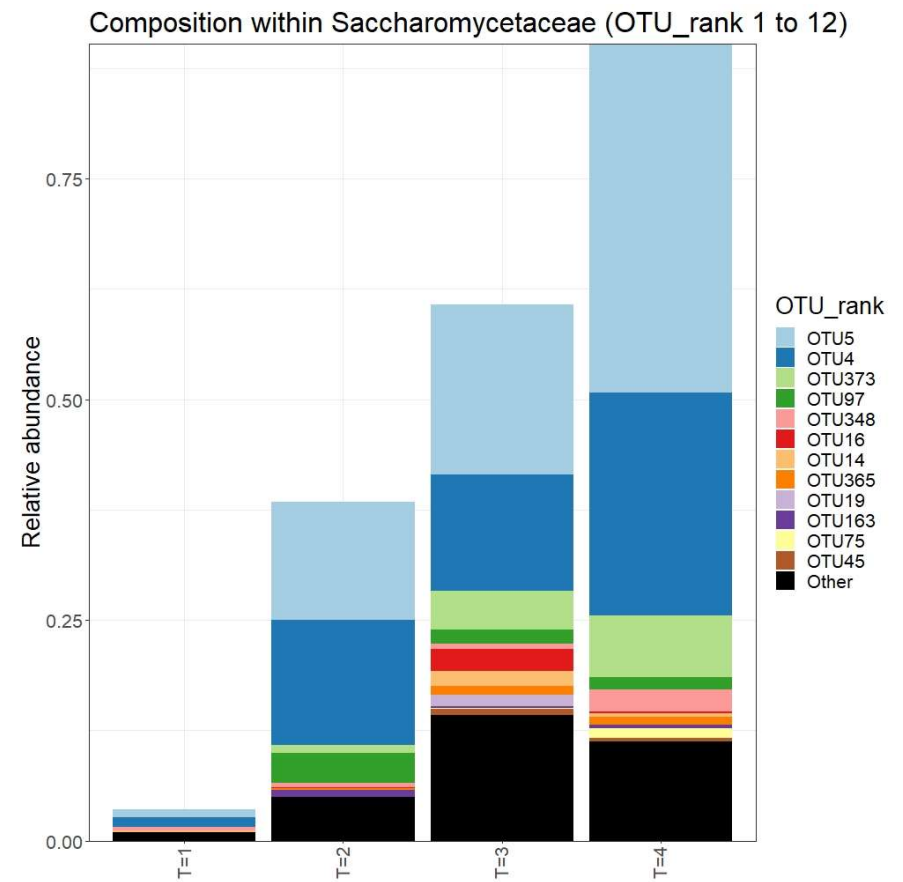
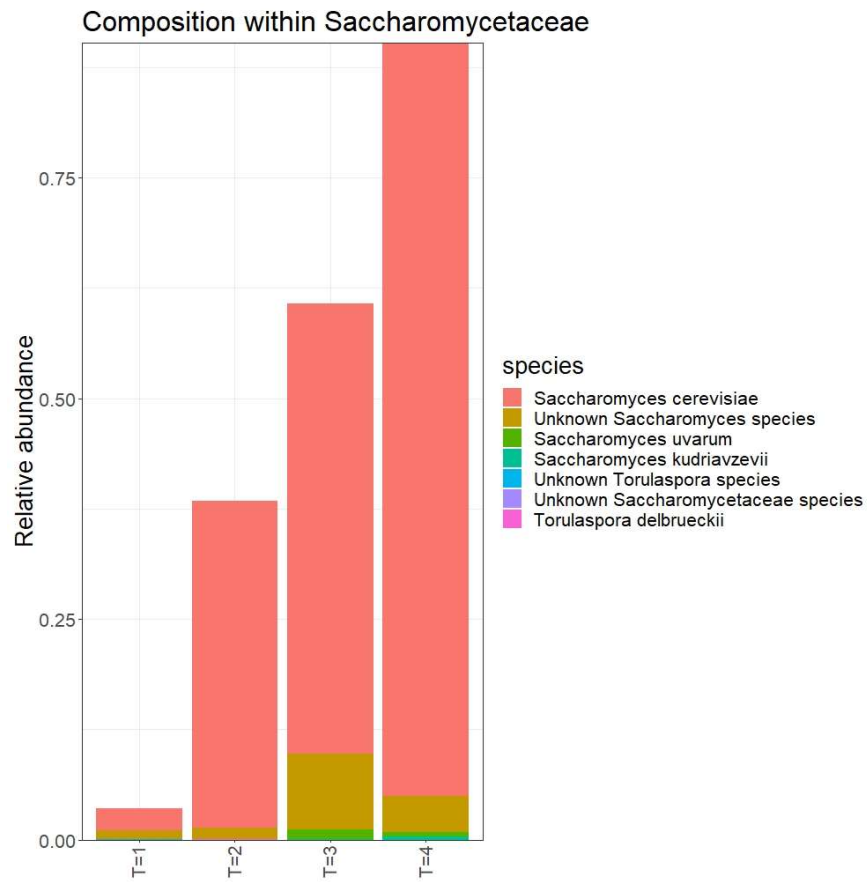




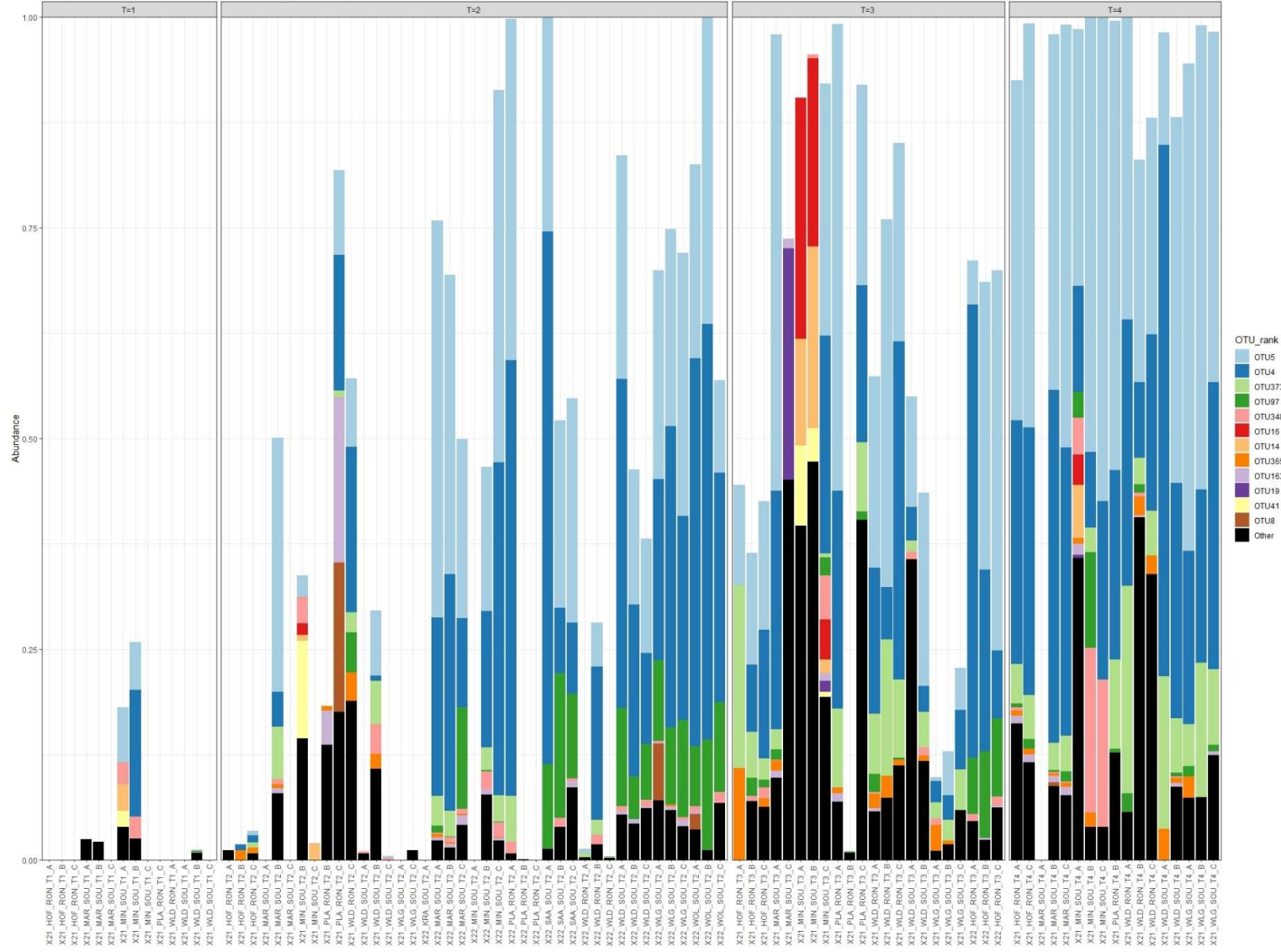
Composition within Saccharomycodaceae (OTU\_rank 1 to 12)



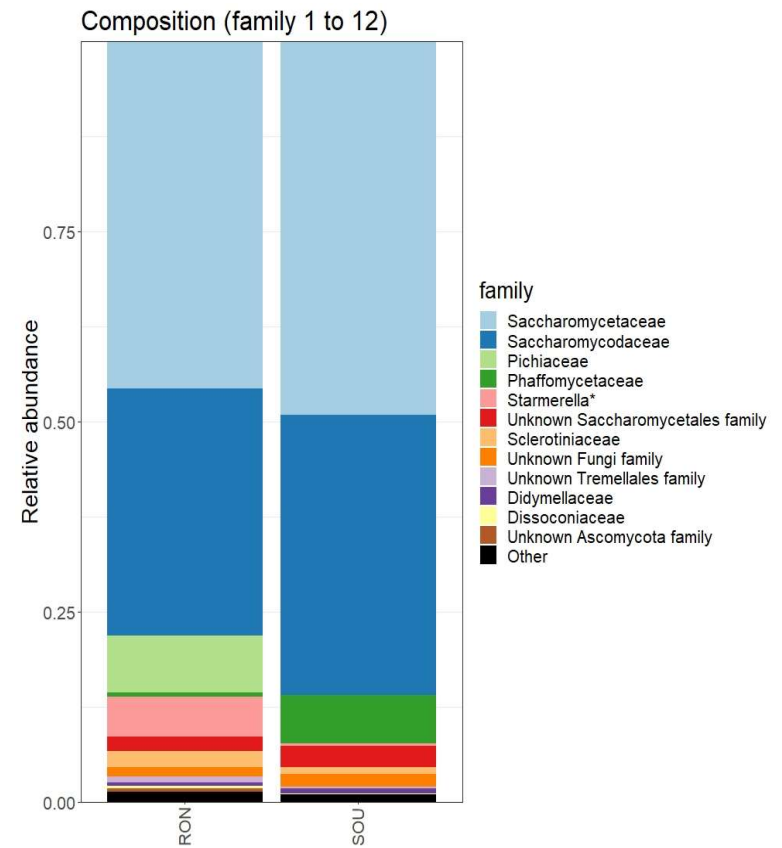
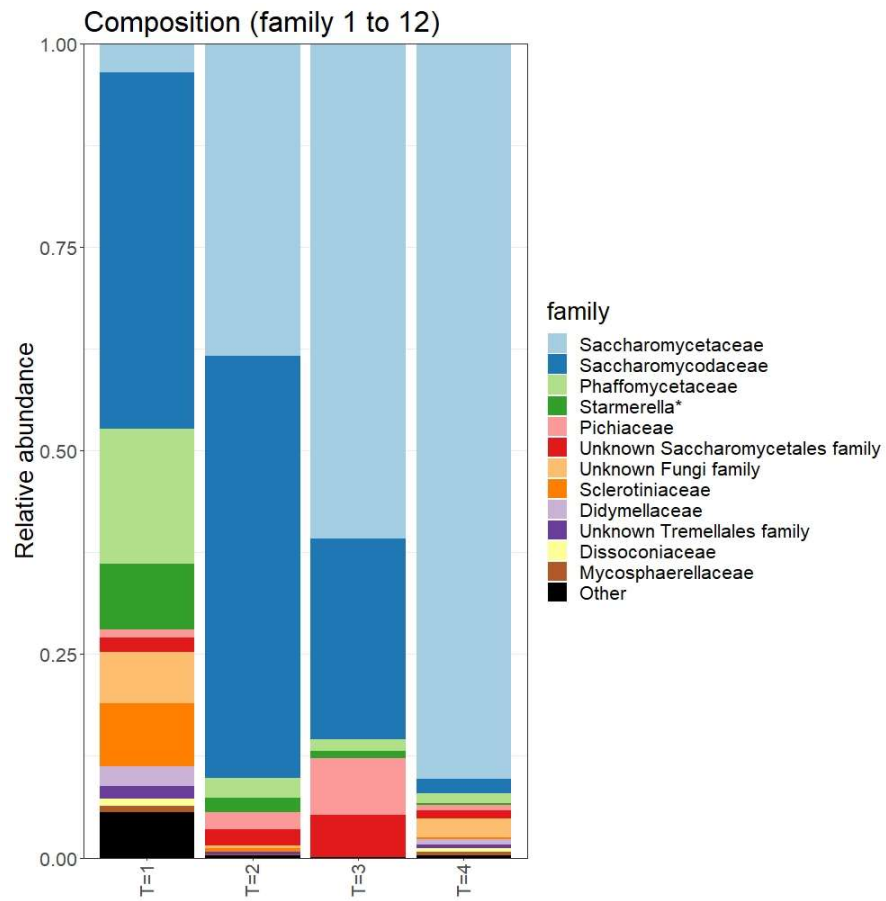
10. Composition of the fungal community belonging to the Saccharomycetaceae family in relative abundance. Left is the highest found classification (so the lowest taxonomic rank) and on the right, the composition is given at the OTU level. On the next page: Saccharomycetaceae per sample on OTU level.



Composition within Saccharomycetaceae (OTU\_rank 1 to 12)



11. Composition of the fungal communities clustered on either timepoint(left) or on grape (right).



Differences between farms and some unique OTUs belonging to the Saccharomycetaceae.

