# SourceTracker-analysis

Sterling Wright

2023-11-01

Load the necessary libraries

```
library(ggplot2)
library(reshape2)
library(ggpubr)
library(ggplot2)
```

Load the data from where you have saved the files.

```
### Gobero
data <- read.csv("Gobero-ST-RESULTS.csv", header = TRUE)

ST_results <- melt(data, id = c("SampleID"))

plot1 <- ggplot() + geom_bar(aes(y = ST_results$value, x = ST_results$SampleID, fill = ST_results$varial
    axis.title.x = element_blank(), axis.title.y = element_blank())

### Hungary
data2 <- read.csv("sourcetracker-results-Hungary.csv", header = TRUE)

ST_results2 <- melt(data2, id = c("SampleID"))

plot2 <- ggplot() + geom_bar(aes(y = ST_results2$value, x = ST_results2$SampleID, fill = ST_results2$va
    axis.title.x = element_blank())
```

## Create the figure

```
ggarrange(plot2, plot1,
          labels = c("A", "B"),
          common.legend = TRUE,
          legend = "bottom",
          ncol=2)
```

A) Samples from Hungary and B) Samples from Niger

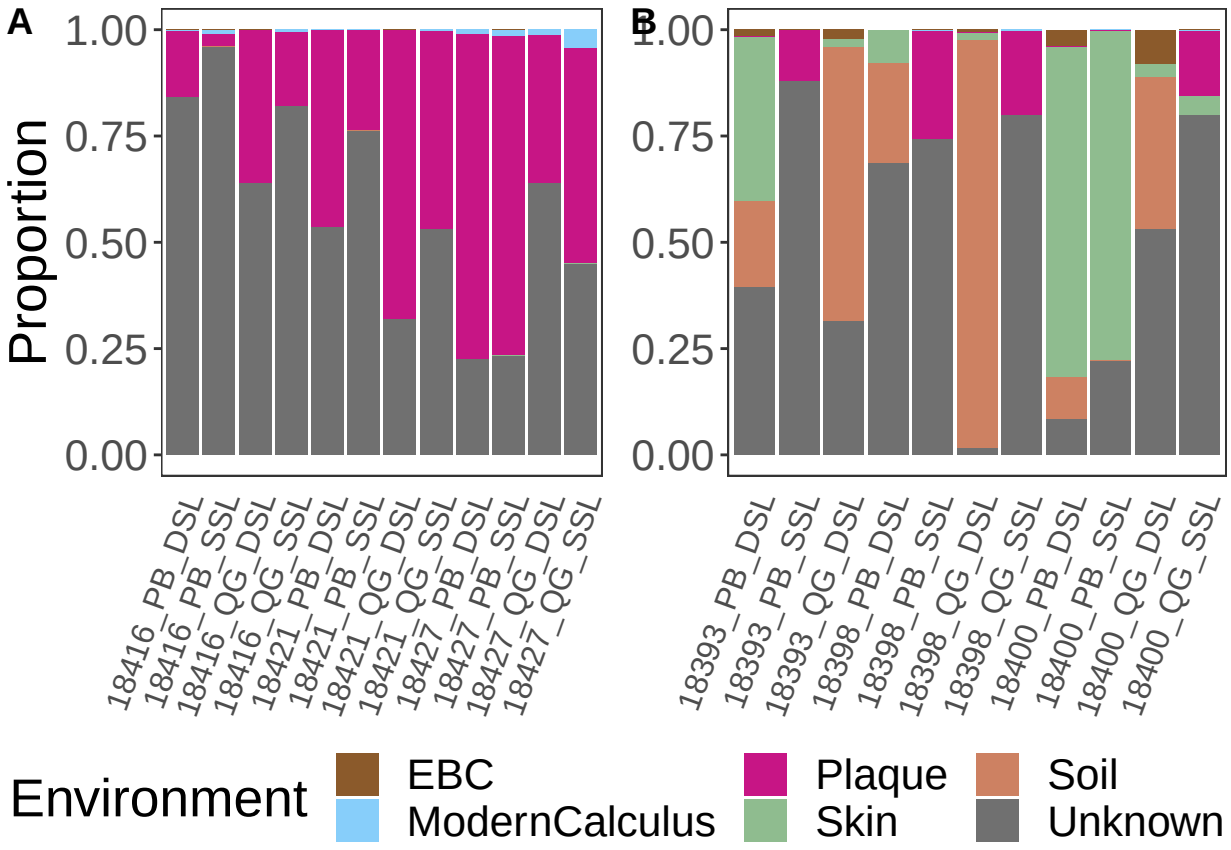


Figure 1: SourceTracker2 results