

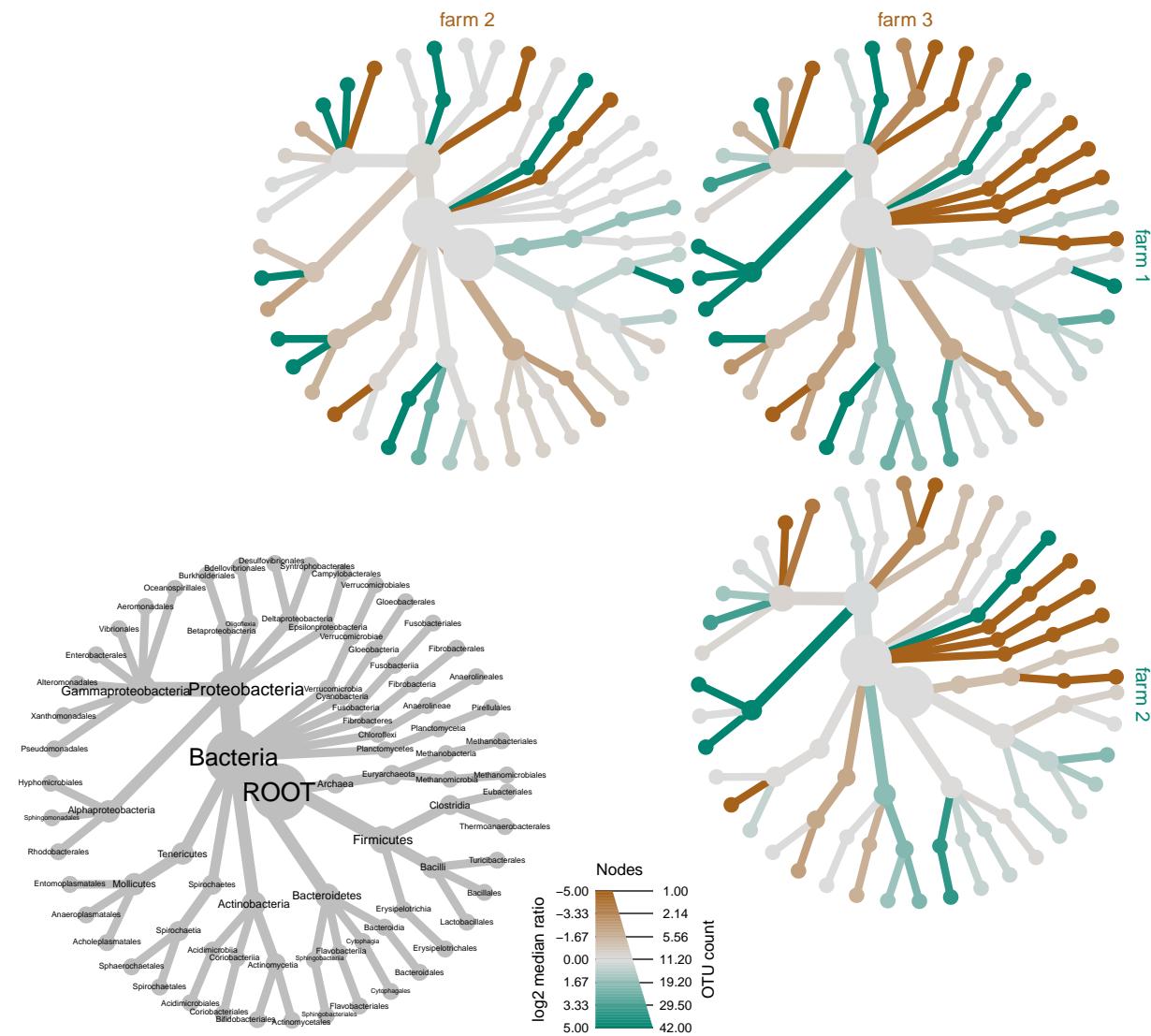
# Analyses

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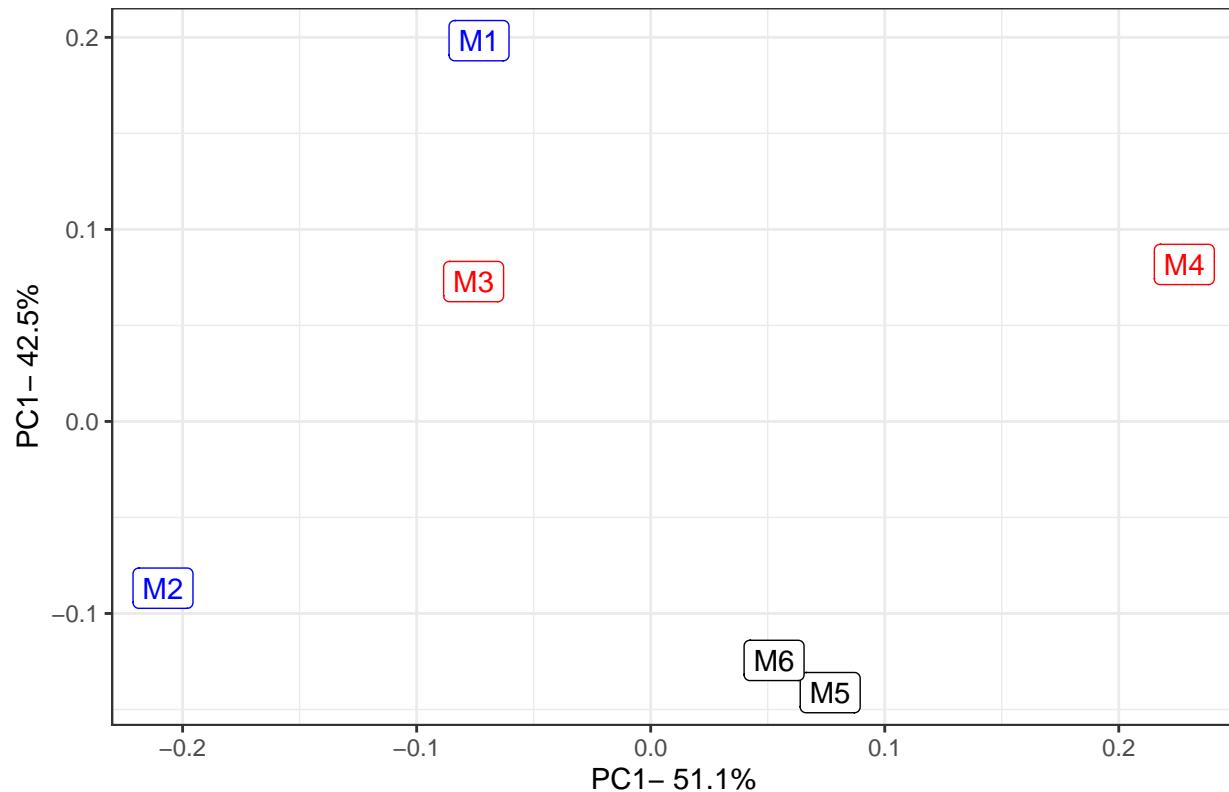
# 1. Microbial Communities

## 1.1 Microbial communities heat trees



## 1.2 Ordination microbial communities

Fig.1 PCoA microbial communities



## 2. Resistomes

### 2.1 Resistomes details

The number of unique ARG detected in the different dairy manures were 336. These ARG encoded resistance to 21 antibiotics and 6 different mechanisms.

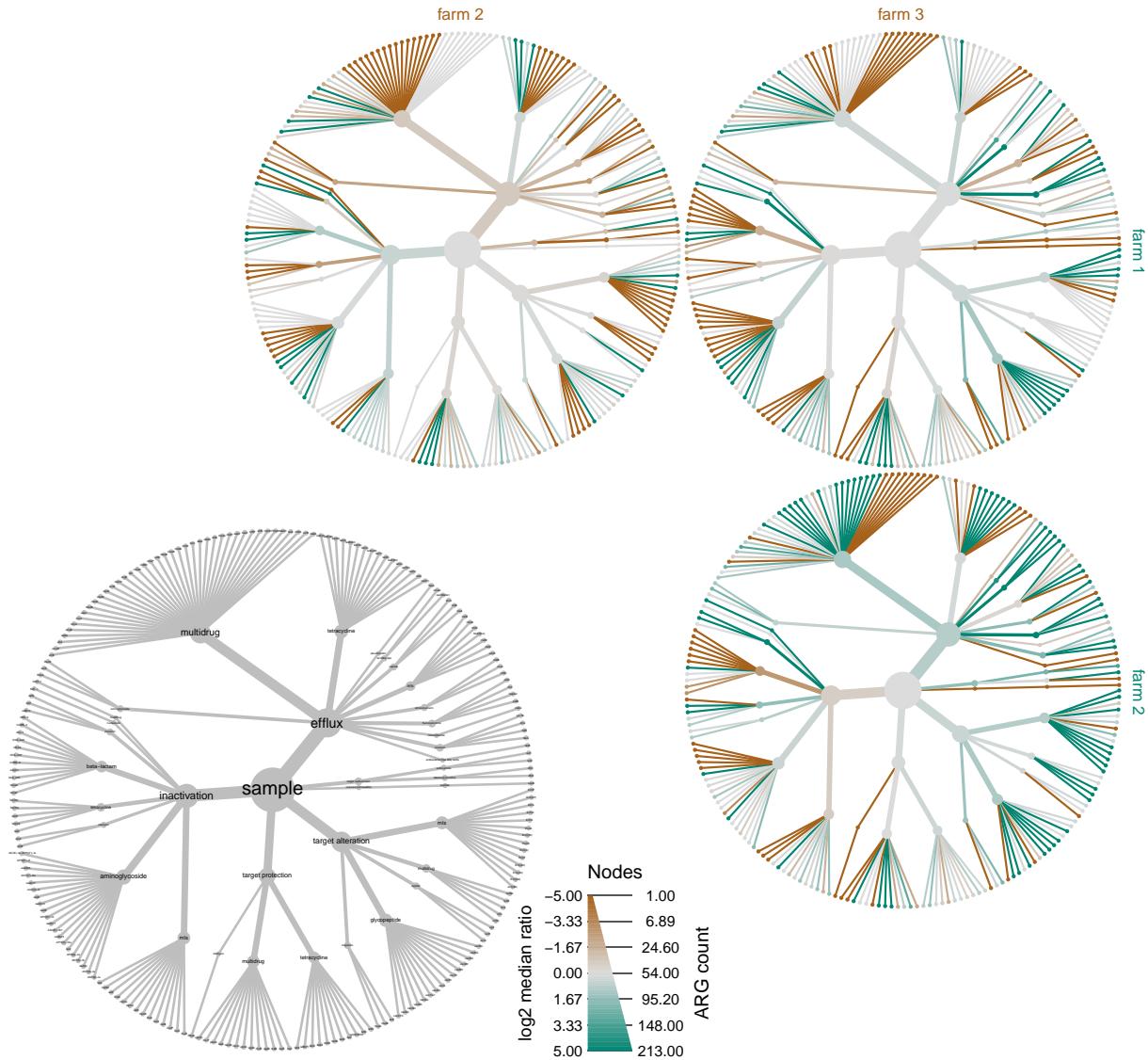
```
## [1] "total ARG abundance (ARG copies/16s rRNA)"  
  
##   M1    M2    M3    M4    M5    M6  
## 1.68 1.85 1.83 2.09 2.83 2.48  
  
## Joining, by = "sample"
```

### 2.2 Resistome heat trees

```
## Calculating proportions from counts for 6 columns for 213 observations.  
  
## Summing per-taxon counts from 6 columns for 251 taxa
```

Table 1: Unique ARG in manure and digestate

farm	obs
farm_1	109
farm_2	149
farm_3	127



### 2.3 Ordination resistomes

```
## Warning in (function (kind = NULL, normal.kind = NULL, sample.kind = NULL) :
## non-uniform 'Rounding' sampler used
```

Fig. 2 PCoA resistomes

