

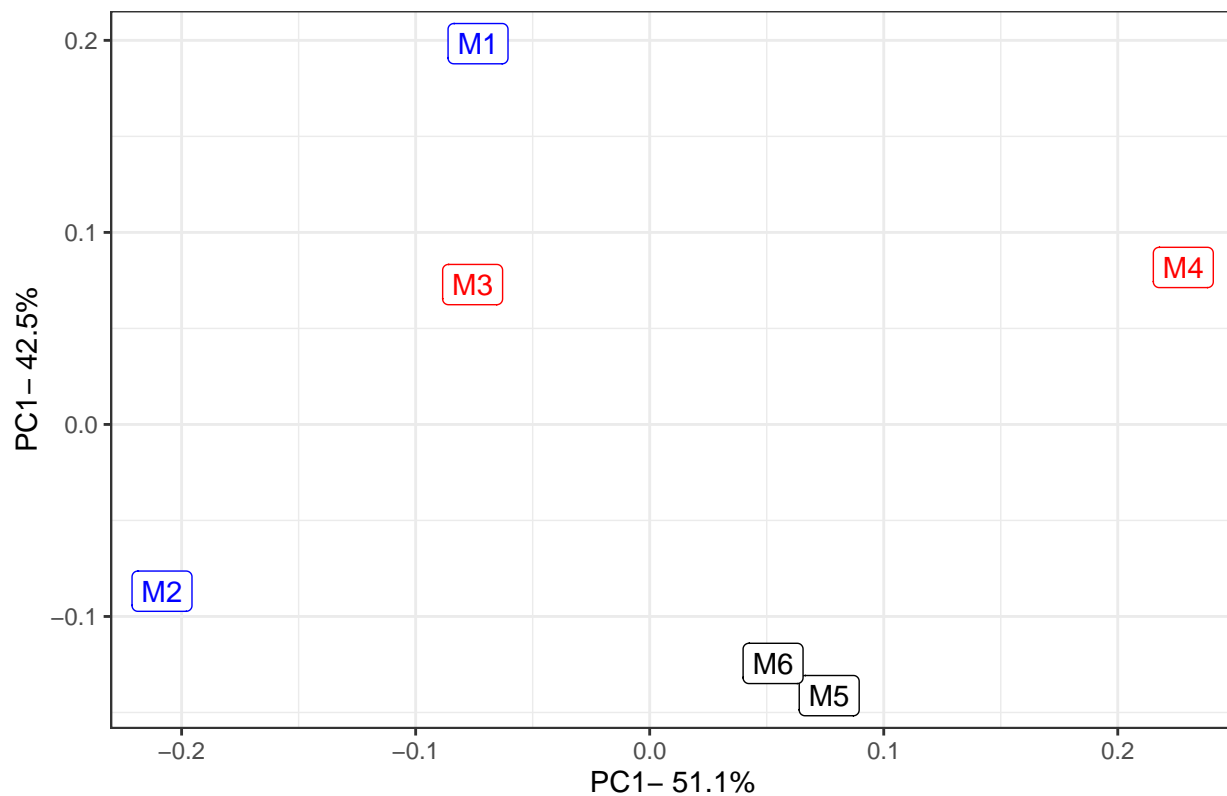
Analyses

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1.2 Ordination microbial communities

Fig.1 PCoA micobial 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"
```

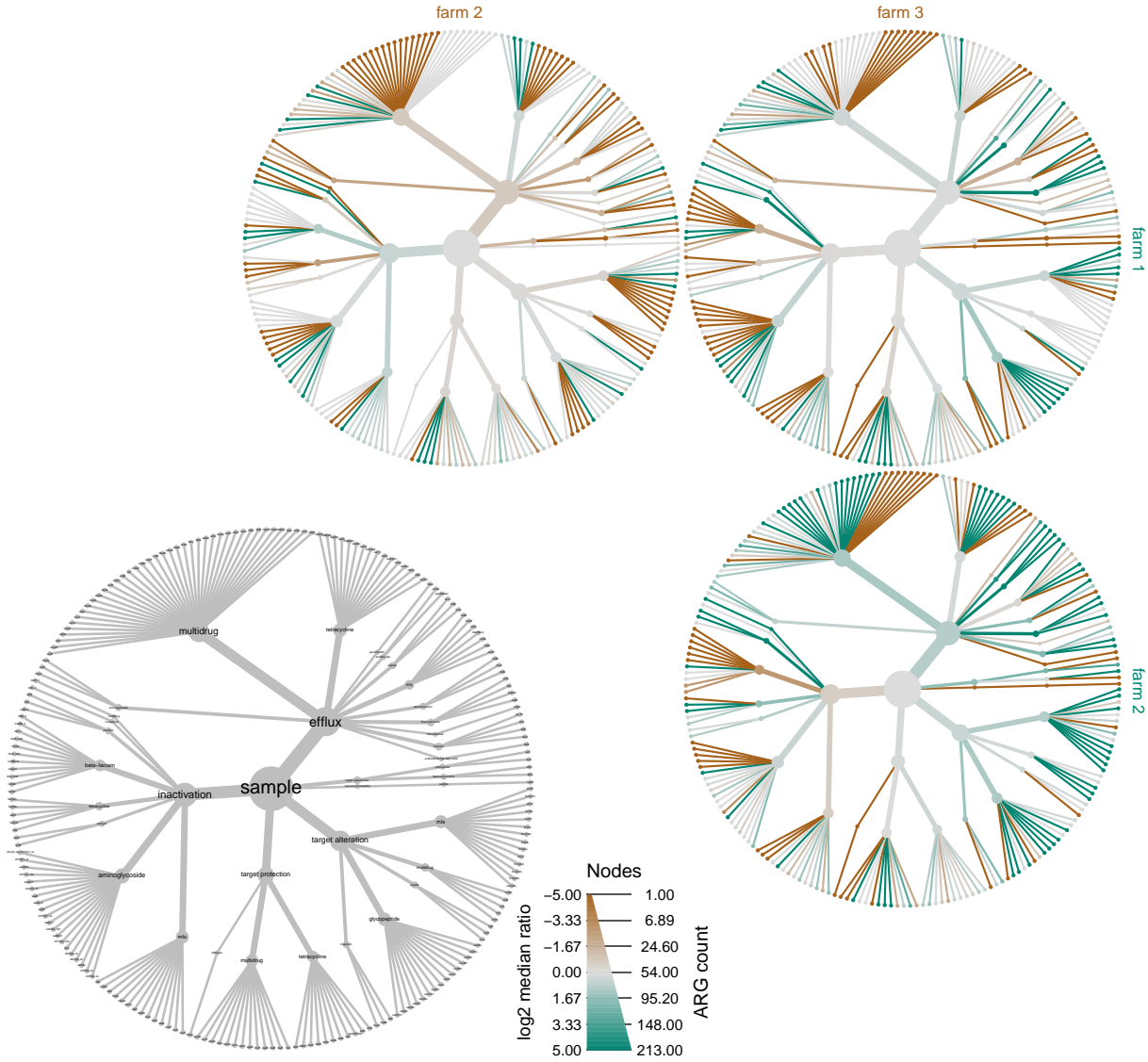
2.2 Resistome heat trees

```
## 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

