

# The role of wildlife in the environmental dispersal of antimicrobial resistance in agricultural areas.

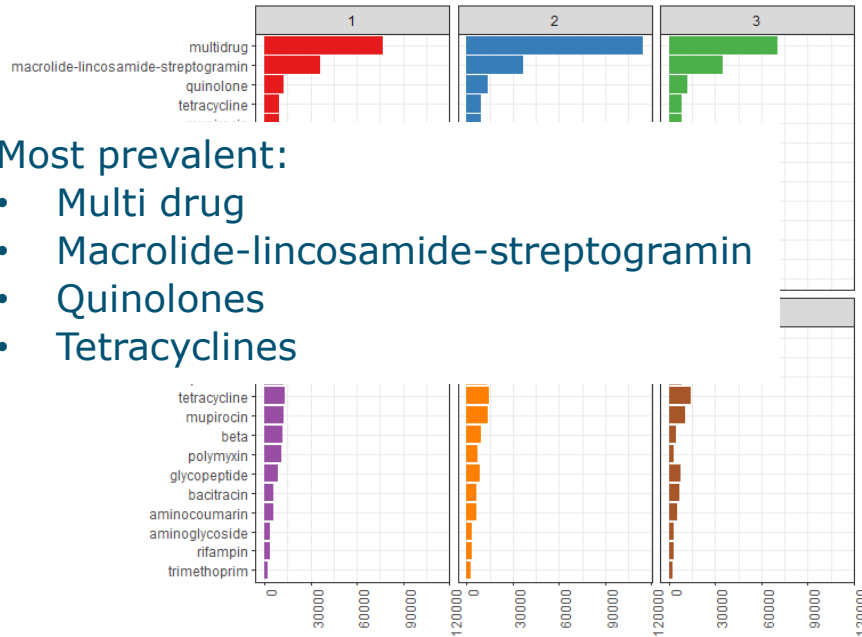
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# ARGs assessment

## Species versus location

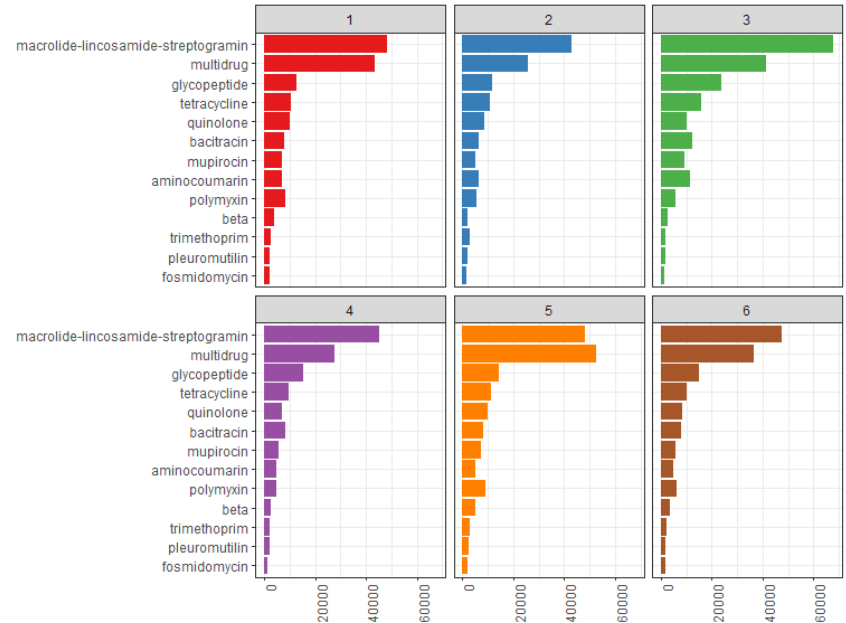
White-toothed-shrew



Most prevalent:

- Multi drug
- Macrolide-lincosamide-streptogramin
- Quinolones
- Tetracyclines

Wood mouse

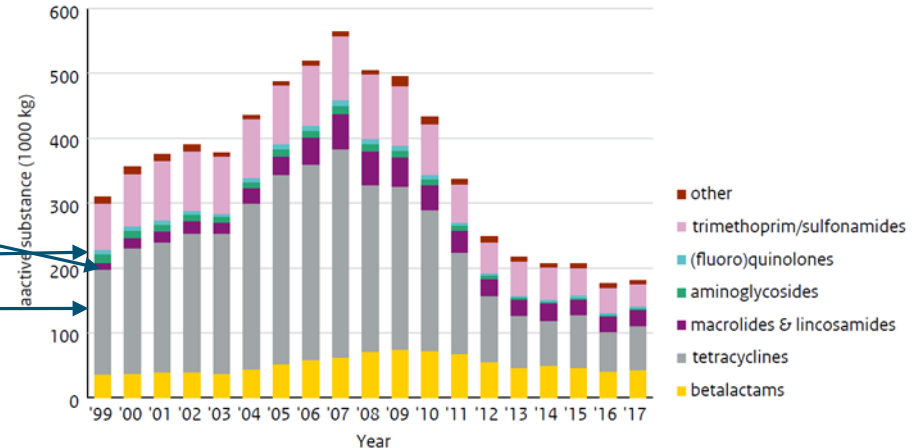


# ARGs assessment

## Relation with use

Most prevalent:

- Multi drug
- Macrolide-lincosamide-streptogramin
- Quinolones
- Tetracyclines



## Conclusions

- Microbiome small mammals differ among species → related to diet, habitat, dispersion
- ARGs occur in small mammals, effect of microbiome differences limited
- ARG prevalence not directly related to general use patterns → local agricultural practices

# Thank you

