Supplementary Figures



Figure S1. Trends of *Actinobacillus pleuropneumoniae* resistance (non-wild-type) to aminopenicillins over 2016-2020

Only countries and animal species with sufficient data (at least 30 isolates per animal species and per year) are displayed on the figures.



Figure S2. Trends of *Actinobacillus pleuropneumoniae* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S3. Trends of *Escherichia coli* resistance (non-wild-type) to second-generation cephalosporins over 2016-2020



Figure S4. Trends of *Escherichia coli* resistance (non-wild-type) to third-generation cephalosporins over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S5. Trends of *Escherichia coli* resistance (non-wild-type) to carbapenems over 2016-2020



Figure S6. Trends of *Escherichia coli* resistance (non-wild-type) to colistin over 2016-2020



Figure S7. Trends of Escherichia coli resistance (non-wild-type) to fluoroquinolones over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S8. Trends of Escherichia coli resistance (non-wild-type) to gentamicin over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S9. Trends of Escherichia coli resistance (non-wild-type) to neomycin over 2016-2020



Figure S10. Trends of Escherichia coli resistance (non-wild-type) to piperacillin-tazobactam over 2016-2020



Figure S11. Trends of *Escherichia coli* resistance (non-wild-type) to quinolones over 2016-2020



Figure S12. Trends of Escherichia coli resistance (non-wild-type) to streptomycin over 2016-2020



Figure S13. Trends of Escherichia coli resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S14. Trends of Escherichia coli resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S15. Trends of *Klebsiella pneumoniae* resistance (non-wild-type) to third-generation cephalosporins over 2016-2020



Figure S16. Trends of Klebsiella pneumoniae resistance (non-wild-type) to colistin over 2016-2020



Figure S17. Trends of Klebsiella pneumoniae resistance (non-wild-type) to gentamicin over 2016-2020



Figure S18. Trends of *Klebsiella pneumoniae* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S19. Trends of Klebsiella pneumoniae resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S20. Trends of Mannheimia haemolytica resistance (non-wild-type) to aminopenicillins over 2016-2020



Figure S21. Trends of Mannheimia haemolytica resistance (non-wild-type) to amphenicols over 2016-2020



Figure S22. Trends of Mannheimia haemolytica resistance (non-wild-type) to fluoroquinolones over 2016-2020



Figure S23. Trends of Mannheimia haemolytica resistance (non-wild-type) to gentamicin over 2016-2020



Figure S24. Trends of *Mannheimia haemolytica* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S25. Trends of Mannheimia haemolytica resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S26. Trends of Mannheimia haemolytica resistance (non-wild-type) to tulathromycin over 2016-2020



Figure S27. Trends of Pasteurella multocida resistance (non-wild-type) to aminopenicillins over 2016-2020



Figure S28. Trends of Pasteurella multocida resistance (non-wild-type) to amphenicols over 2016-2020



Figure S29. Trends of Pasteurella multocida resistance (non-wild-type) to fluoroquinolones over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S30. Trends of Pasteurella multocida resistance (non-wild-type) to gentamicin over 2016-2020



Figure S31. Trends of *Pasteurella multocida* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S32. Trends of Pasteurella multocida resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S33. Trends of *Pasteurella multocida* resistance (non-wild-type) to tilmicosin over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S34. Trends of Pasteurella multocida resistance (non-wild-type) to tulathromycin over 2016-2020

Coloured areas around the curves represent 95% confidence intervals.

Data from Spain (North-eastern Spain) are regional data, hence cannot be considered as representative from the entire country.



Figure S35. Trends of Staphylococcus aureus resistance (non-wild-type) to erythromycin over 2016-2020



Figure S36. Trends of Staphylococcus aureus resistance (non-wild-type) to fluoroquinolones over 2016-2020



Figure S37. Trends of *Staphylococcus aureus* resistance (non-wild-type) to gentamicin over 2016-2020



Figure S38. Trends of Staphylococcus aureus resistance (non-wild-type) to methicillin over 2016-2020



Figure S39. Trends of *Staphylococcus aureus* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S40. Trends of *Staphylococcus aureus* resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S41. Trends of Staphylococcus hyicus resistance (non-wild-type) to erythromycin over 2016-2020



Figure S42. Trends of *Staphylococcus hyicus* resistance (non-wild-type) to fluoroquinolones over 2016-2020



Figure S43. Trends of Staphylococcus hyicus resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S44. Trends of *Staphylococcus pseudintermedius* resistance (non-wild-type) to erythromycin over 2016-2020



Figure S45. Trends of *Staphylococcus pseudintermedius* resistance (non-wild-type) to tetracyclines over 2016-2020



Figure S46. Trends of Streptococcus dysgalactiae resistance (non-wild-type) to erythromycin over 2016-2020



Figure S47. Trends of *Streptococcus dysgalactiae* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S48. Trends of Streptococcus suis resistance (non-wild-type) to erythromycin over 2016-2020



Figure S49. Trends of Streptococcus suis resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020



Figure S50. Trends of Streptococcus uberis resistance (non-wild-type) to erythromycin over 2016-2020



Figure S51. Trends of *Streptococcus uberis* resistance (non-wild-type) to sulfonamide-trimethoprim over 2016-2020