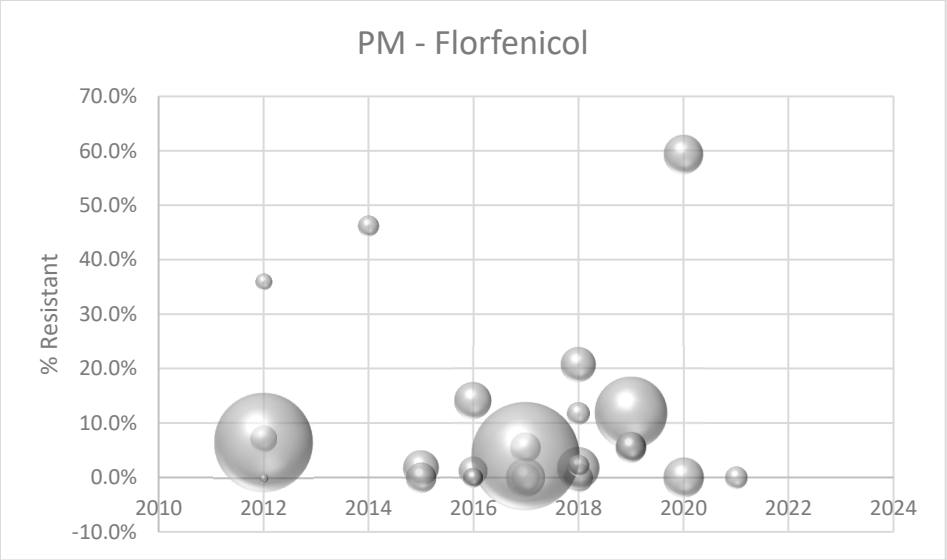
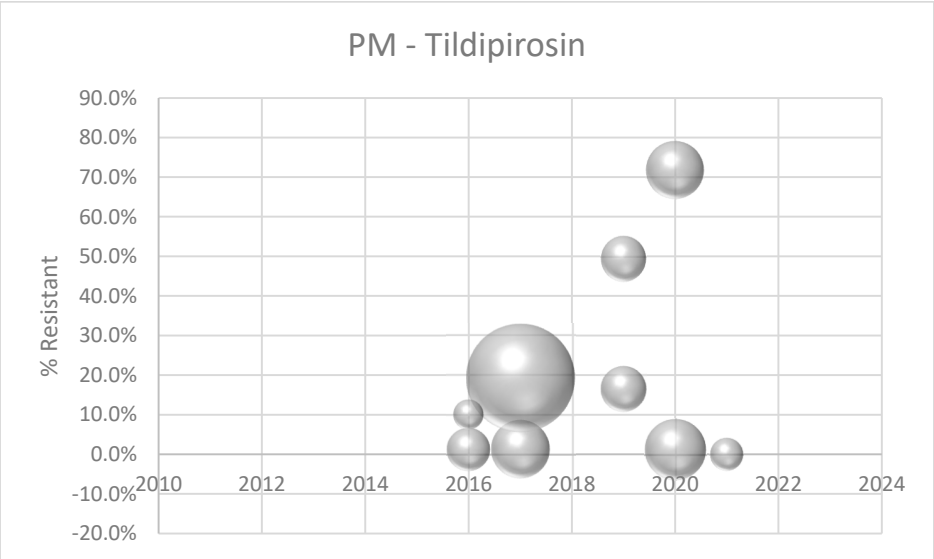
Supplementary Figure S1a. Prevalence of **florfenicol** resistance reported by individual manuscript and year of isolate collection for *Pasteurella multocida*.



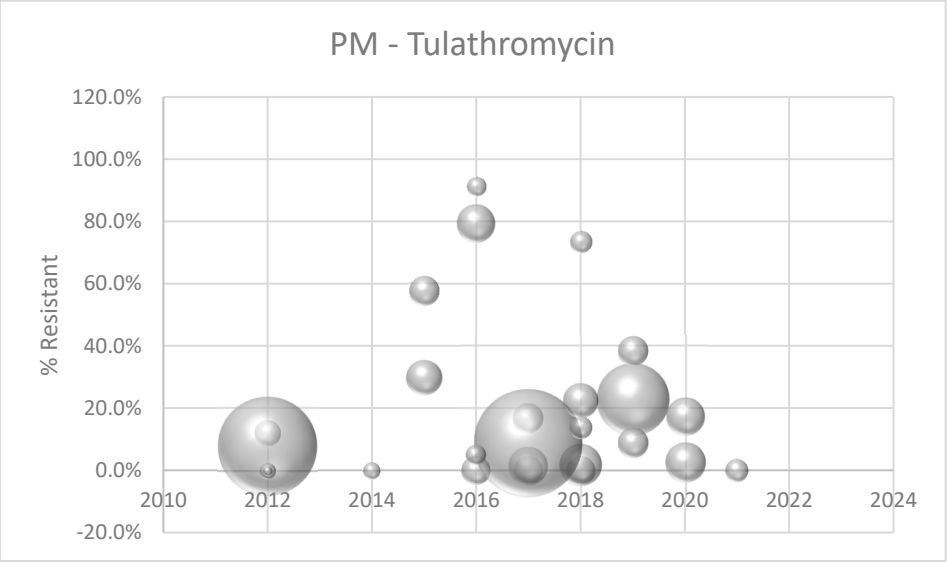
Each point represents the percent of resistant isolates estimated from an individual manuscript. Bubble sizes represent the relative number of isolates in each published study.

Supplementary Figure S1b. Prevalence of **tildipirosin** resistance reported by individual manuscript and year of isolate collection for *Pasteurella multocida*.



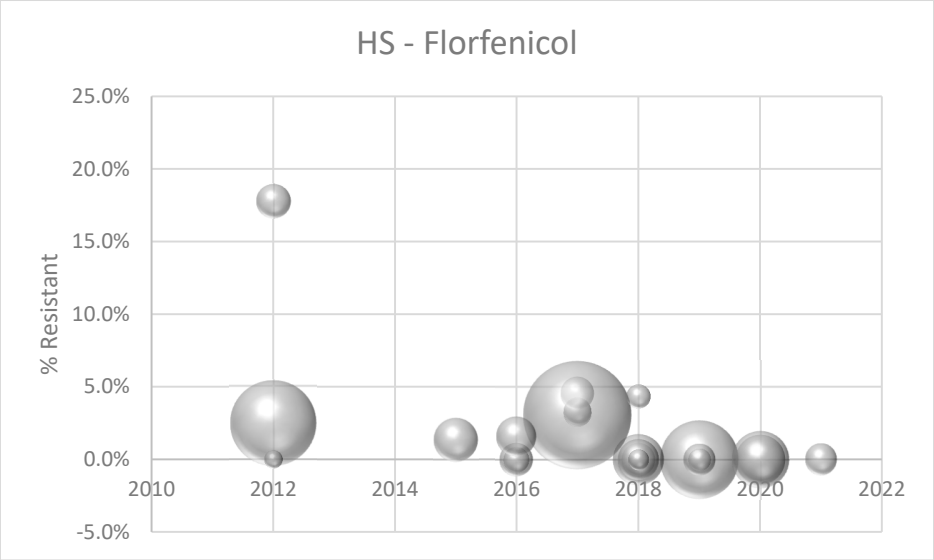
Each point represents the percent of resistant isolates estimated from an individual manuscript. Bubble sizes represent the relative number of isolates in each published study.

Supplementary Figure S1c. Prevalence of **tulathromycin** resistance reported by individual manuscript and year of isolate collection for *Pasteurella multocida*.



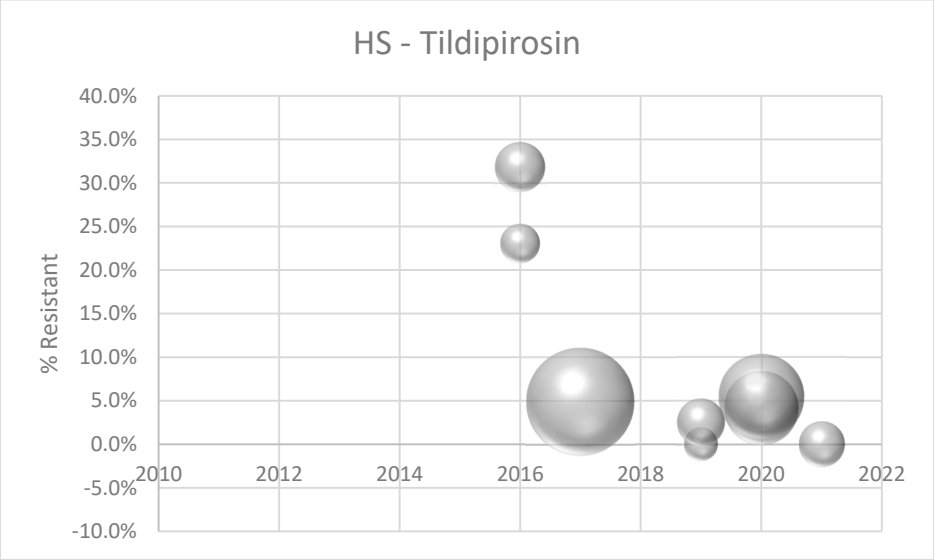
Each point represents the percent of resistant isolates estimated from an individual manuscript. Bubble sizes represent the relative number of isolates in each published study.

Supplementary Figure S2a. Prevalence of **florfenicol** resistance reported by individual manuscript and year of isolate collection for *Histophilus somni*.



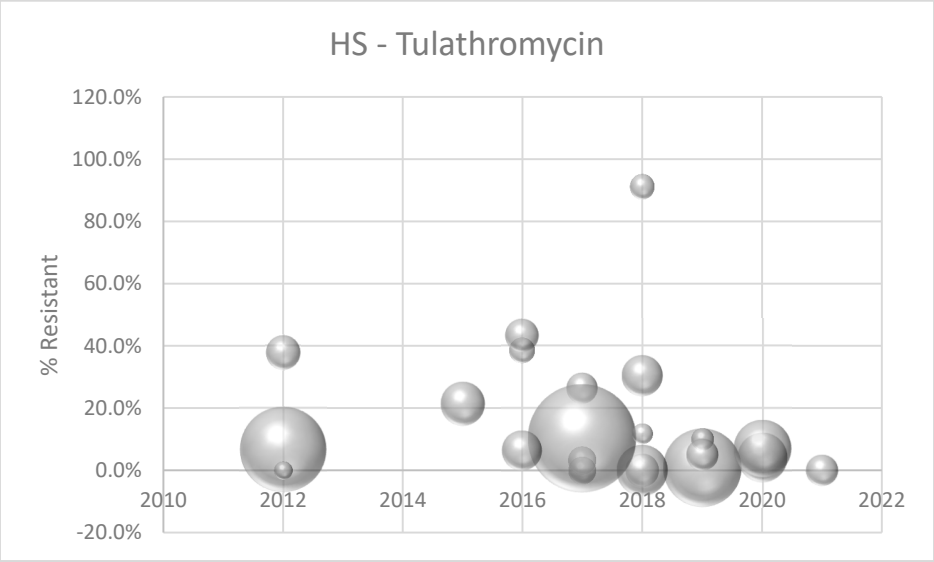
Each point represents the percent of resistant isolates estimated from an individual manuscript. Bubble sizes represent the relative number of isolates in each published study.

Supplementary Figure S2b. Prevalence of **tildipirosin** resistance reported by individual manuscript and year of isolate collection for *Histophilus somni*.



Each point represents the percent of resistant isolates estimated from an individual manuscript. Bubble sizes represent the relative number of isolates in each published study.

Supplementary Figure S2c. Prevalence of **tulathromycin** resistance reported by individual manuscript and year of isolate collection for *Histophilus somni*.



Each point represents the percent of resistant isolates estimated from an individual manuscript. Bubble sizes represent the relative number of isolates in each published study.