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By Thieme

Supplementary material

Screening of Antimicrobial Activity of Essential Oils against Bovine

Respiratory Pathogens - Focusing on Pasteurella multocida

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Figure 1S

EO mixture activity against *P. multocida*, *M. haemolytica*, and *Mannheimia* clade

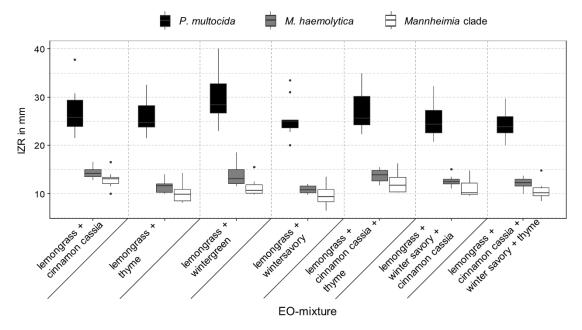
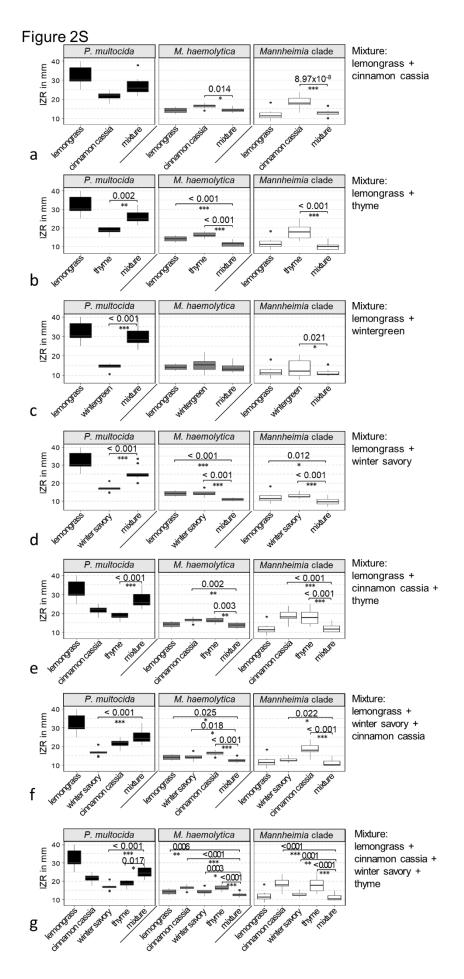


Fig. 1S Depicted is the inhibition zone radius (IZR) in mm of EO mixtures against P. multocida (n = 10), M. haemolytica (n = 10), and Mannheimia clade (n = 10). Multiple comparison with Benjamini-Hochberg adjustment of the main effects conducted after two-way ANOVA (F = 266.45, df = 2, 189, p < 0.001) revealed P. multocida was more susceptible against the EO mixtures than M. haemolytica (p < 0.001) and Mannheimia clade (p < 0.001). M. haemolytica was more susceptible than M. haemolytica clade (p < 0.001).

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Fig. 2S Depicted is the inhibition zone radius (IZR) in mm of EO mixtures and their single EO constituents against P. multocida (n = 10), M. haemolytica (n = 10), and Mannheimia clade (n = 10). Only statistically significant results of comparison of antimicrobial activity of the EO mixture against single EO constituents are given. Conducted was a two-way ANOVA (interaction between the EO and bacterial isolate: F = 13.22, f = 22, f