**Supplementary Table 1. Comparison of antimicrobial resistance patterns between *Staphylococcus pseudintermedius* and *Streptococcus canis* isolates**

|  |  |  |  |
| --- | --- | --- | --- |
| Antimicrobial agentsa | Coefficients (95 % CI)b | Odds ratio | P-valuec |
| ENRO | -1.52 (-2.21, -0.83) | 0.22 | < 0.001 |
| MAR | -1.23 (-1.90, -0.56) | 0.29 | < 0.001 |
| ERY | 1.51 (0.53, 2.5) | 4.54 | 0.002 |
| CLI | 1.54 (0.56, 2.53) | 4.68 | 0.002 |

a ENRO, enrofloxacin; MAR, marbofloxacin; ERY, Erythromycin; CLI, Clindamycin; b CI, confidence interval; c Statistically significant at P ≤ 0.05.

**Supplementary Table 2. Comparison of antimicrobial resistance patterns between *E. coli* and *Proteus mirabilis* isolates**

|  |  |  |  |
| --- | --- | --- | --- |
| Antimicrobial agentsa | Coefficients (95 % CI)b | Odds ratio | P-valuec |
| GEN | -1.22 (-2.24, -0.20) | 0.3 | 0.02 |
| AUG2 | 1.71 (0.52, 2.89) | 5.51 | 0.005 |
| FAZ | 1.02 (0.07, 1.97) | 2.78 | 0.03 |
| FOV | 2.06 (0.63, 3.49) | 7.86 | 0.005 |
| POD | 2.00 (0.57, 3.43) | 7.37 | 0.006 |
| LEX | 2.04 (0.61, 3.47) | 7.69 | 0.005 |
| IMI | -2.84 (-5.05, -0.64) | 0.06 | 0.01 |
| AMP | 0.99 (0.36, 1.61) | 2.68 | 0.002 |
| CHL | -0.60 (-1.16, -0.04) | 0.55 | 0.04 |

a GEN, gentamicin; AUG2, amoxicillin-clavulanic acid; FAZ, cefazolin; POD, cefpodoxime; LEX, cephalexin; IMI, imipenem; AMP, ampicillin; CHL, chloramphenicol; b CI, confidence interval; c Statistically significant at P ≤ 0.05.