

**Table S1.** Antibiotics applied at the respective farms during the study period, but not in study animals.

Antibiotic	Farm	Production mode
amoxicillin-trihydrate	E5	conventional
benzylpenicillin-benzathin	E5	conventional
benzylpenicillin-procain	E5	conventional
cefquinome-sulfate	E5, J20	conventional, organic
chlortetacycline-hydrochlorid	E5, J20	conventional, organic
dihydrostreptomycin-sulfate	E5	conventional
enrofloxacin	E5	conventional
florfenicol	A6	conventional
lincomycinhydrochlorid-monohydrate	E5	conventional
spectinomycin-sulfate-tetrahydrate	E5	conventional
sulfadimidin + trimethoprim	J20	organic
sulfadoxin	E5	conventional
sulfathiazine + trimethoprim	J20	organic
tildipirosin	E5	conventional
tylosin-phosphate	A21	conventional