

Table S1. Bacterial isolates recovered from synovial fluid and other tissues in calves diagnosed with septic arthritis.

Bacterial category	Isolate	Joint isolates (n)	Other tissue isolate (n)
Mycoplasmas	Total	3	0
	<i>Mycoplasma alkalescens</i>	2	0
	<i>Mycoplasma bovis</i>	1	0
Enterobacteriaceae	Total	11	12
	<i>Escherichia coli</i>	6	9
	<i>Klebsiella pneumoniae</i>	1	1
	<i>Providencia rettgeri</i>	1	0
	<i>Aeromonas</i> spp.	4	0
	<i>Morganella morganii</i>	0	1
	<i>Enterobacter cloacae</i>	0	1
Gram-positive cocci	Total	12	11
	<i>Staphylococcus</i> spp.	4	1
	<i>Streptococcus</i> spp.	6	2
	<i>Enterococcus</i> spp.	3	5
	<i>Helcococcus</i> spp.	2	3
Gram-positive rods	Total	10	8
	<i>Trueperella pyogenes</i>	5	4

	<i>Corynebacterium</i> spp.	1	1
	<i>Clostridium</i> spp.	2	3
	<i>Microbacterium</i> spp.	2	0
	<i>Lactobacillus salivarius</i>	0	1
	<i>Actinomyces</i> spp.	1	0
Gram-negative rods	Total	6	8
	<i>Bacteroides</i> spp.	4	6
	<i>Pseudomonas</i> spp.	2	0
	<i>Porphyromonas levii</i>	0	0
	<i>Fusobacterium necrophorum</i>	0	1
	<i>Mannheimia</i> spp.	0	1
Gram-negative coccobacilli	Total	5	1
	<i>Bibersteinia trehalosi</i>	1	0
	<i>Acinetobacter</i> spp.	3	0
	<i>Gallibacterium anatis</i>	1	1
Gram-negative cocci	<i>Micrococcus</i> spp.	4	0

Table S2. Antibiotics administered via intra-articular injection or regional limb perfusion in treated calves with septic arthritis.

Treatment modality	Antibiotic used	Number of calves (n)
Intra-articular injection	Amikacin	14
	Ceftiofur	5
	Cefazolin	2
	Penicillin	1
	Total	18
Regional limb perfusion	Ceftiofur	4
	Cefazolin	2
	Amikacin	3
	Aminopenicillin	1

Table S3. Systemic antimicrobial and anti-inflammatory treatments administered to calves hospitalized for septic arthritis.

Medication type	Drug name	Number of calves (n)
Systemic antibiotics	Ceftiofur	21
	Penicillin	14
	Trimethoprim-sulfa (TMS)	5
	Oxytetracycline	5
	Ampicillin	4
	Gentamicin	6
	Florfenicol	2
	Tulathromycin	6
	Enrofloxacin	1
Anti-inflammatories	Meloxicam	20
	Flunixin meglumine	12
	Ketoprofen	3