

Bovreproseq Results Report

Bovreproseq primer version #3 - Diagnostic Samples

2024-10-29

Click dropdown to select sample

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S-122-2

undefined

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RESULTS SUMMARY - Based on abricate results

SAMPLEID	PATHOGEN	RESULT	QC.STATUS
S-122-2	BVDv-Type-1	Negative	OK
S-122-2	BVDv-Type-2	Negative	OK
S-122-2	Bacillus licheniformis	Negative	OK
S-122-2	Bovine herpesvirus type-1	Positive	OK
S-122-2	BVDv	Negative	OK
S-122-2	Campylobacter fetus	Negative	OK
S-122-2	Campylobacter fetus subsp. venerealis	Negative	OK
S-122-2	Campylobacter jejuni subsp. jejuni	Negative	OK
S-122-2	Chlamydia abortus	Negative	OK
S-122-2	Coxiella burnetii	Positive	OK
S-122-2	Internal amplification control	Positive	OK
S-122-2	Leptospira borgpetersenii serovar. Hardjo	Negative	OK
S-122-2	Leptospira interrogans serovar. Copenhageni	Negative	OK
S-122-2	Leptospira kirschneri	Negative	OK
S-122-2	Listeria monocytogenes	Negative	OK
S-122-2	Mycoplasma bovis	Positive	OK
S-122-2	Neospora caninum	Negative	OK
S-122-2	Sarcocystis bovini	Negative	OK
S-122-2	Sarcocystis cruzi	Negative	OK
S-122-2	Sarcocystis hirsuta	Negative	OK
S-122-2	Toxoplasma gondii	Negative	OK
S-122-2	Tritrichomonas foetus	Negative	OK
S-122-2	Trueperella pyogenes	Positive	OK
S-122-2	Ureaplasma diversum	Negative	OK

NO. OF MAPPED READS. Generated using minimap2 and samtools

AMPLICON	MAPPED_READS
Coxiella_burnetti_Trans-1	20

AMPLICON	MAPPED_READS
IBR-gBN	18
IBR-gE	621
IC-EGFP	572
Trueperella_pyogenes_plo	400
Trueperella_pyogenes_sodA	109
Mbovis_PpSM5	139345
Mbovis_uvrC	13821

Consensus compared to reference database. Generated using abricate and custom database

SEQUENCE	GENE	%COVERAGE	%IDENTITY	DATABASE	REFERENCE
S-122-2_Coxiella_burnetti_Trans-1	Transposon-like_element	100.00	98.91	Bovreproseq	Coxiella_burnetii
S-122-2_IBR-gBN	gB-glycoprotein_B	100.00	100.00	Bovreproseq	Bovine_herpesvirus_type-1
S-122-2_IBR-gE	gE-glycoprotein_E	100.00	100.00	Bovreproseq	Bovine_herpesvirus_type-1
S-122-2_IC-EGFP	IC-EGFP	100.00	100.00	Bovreproseq	Internal_amplification_control
S-122-2_Mbovis_PpSM5	PPSM5	100.00	100.00	Bovreproseq	Mycoplasma_bovis
S-122-2_Mbovis_uvrC	uvrC-UV_excision_repair_gene	99.69	100.00	Bovreproseq	Mycoplasma_bovis
S-122-2_Trueperella_pyogenes_plo	PLO-Pyolysin	100.00	99.78	Bovreproseq	Trueperella_pyogenes
S-122-2_Trueperella_pyogenes_sodA	sodA-Superoxide_dismutase	100.00	100.00	Bovreproseq	Trueperella_pyogenes

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>S-122-2_IC-EGFP_consensus
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>S-122-2_Mbovis_PpSM5_consensus
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>S-122-2_Trueperella_pyogenes_plo_consensus
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>S-122-2_IBR-gBN_consensus
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>S-122-2_IBR-gE_consensus
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>S-122-2_Trueperella_pyogenes_sodA_consensus
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CTTGAAATCTTCGAATGATCCGAAAGC
>S-122-2_Coxiella_burnetti_Trans-1_consensus
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GGTCCMTCGACAACATTCGAGKG
>S-122-2_Mbovis_uvrC_consensus
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Taxonomic classification of raw reads

