

Supplementary Table S1: Primers and probes used in the study.

Primers	Sequence (5'-3')	References
Nbab-1F	AAGCCATGCATGTCTAAGTATAAGCTTTT	[9]
Nbab-1R	CTTCTCCTTCCTTTAAGTGATAAGGTTTAC	
RLB-F2	GACACAGGGAGGTAGTGACAAG	[20]
RLB-R2	biotin-CTAAGAATTTACCTCTGACAGT	
Ec9	TACCTTGTTACGACTT	[18]
Ec12a	TGATCCTGGCTCAGAACGAACG	
16S8FE	GGAATTCAGAGTTGGATCMTGGYTACG	[19]
B-GA1B	biotin-CGGGATCCCGAGTTTGCCGGGACTTCTTCT	
8F	AGAGTTTGATCCTGGCTCAG	[21]
1492R	GGTTACCTTGTTACGACTT	
F2	ACGAAAGTCTGATGGAGCAATA	[22]
R2	ACGCCCAATAAATCCGRATAAT	
BaFor1	ATAGGATTCTATATGAGTAT	
BaRev1	ATAATCAGGTATTCTCCTTGG	[23]
BaFor2	TCTCTCATGGTTTAATTATGATAT	
BaRev2	TAGCTCCAATTGATAAAACAAAGTG	
Probs		
Catchall	AmMC6-TAATGGTTAATAGGA(AG)C(AG)GTTG	[58]
<i>Theileria</i> spp.	AmMC6-TGATGGGAATTTAAACC(CT)CTTCCA	[59]
<i>T. ovis</i>	AmMC6-TTTTGCTCCTTTACGAGTCTTTGC	[59]
<i>T. separate</i>	AmMC6-TCGGATGATACTTGATTATC	[60]
<i>T. lestoquardi</i>	AmMC6-ATTGCTTGTTGCCCTCCG	[60]
<i>T. uilenbergi</i>	AmMC6-TGCATTTTCCGAGTGTTACT	[60]
<i>T. luwenshuni</i>	AmMC6-TCGGATGATACTTGATTATC	[58]
<i>Theileria</i> sp. OT1	AmMC6-ATCTTCTTTTTGATGAGTTGGTGT	[59]
<i>Theileria</i> sp. OT3	AmMC6-ATTTTCTCTTTTTATATGAGTTTT	[59]
<i>Theileria</i> sp. MK	AmMC6-CATTGTTTCTTCTCATGTC	[61]
<i>Babesia</i> Catchall 1	AmMC6-ATTAGAGTGTTTCAAGCAGAC	[62]
<i>Babesia</i> Catchall 2	AmMC6-ACTAGAGTGTTTCAAACAGGC	[62]
<i>B. ovis</i>	AmMC6-GCGCGCGGCCCTTTGCGTTTACT	[59]
<i>B. motasi</i>	AmMC6-ATTGGAGTATTGCGCTTGCTTTTT	[59]
<i>B. crassa</i>	AmMC6-TTATGGCCCGTTGGCTTAT	[59]
<i>Babesia</i> sp.	AmMC6-TGCCGTGAATCGACATTCGTC	[16]
<i>Anaplasma/Ehrlichia</i> catch-all	AmMC6-GGG GGA AAG ATT TAT CGC TA	[19]
<i>A. phagocytophilum</i> 1	AmMC6-TTGCTATAAAGAATAATTAGTGG	[63]
<i>A. phagocytophilum</i> 3	AmMC6-TTGCTATGAAGAATAATTAGTGG	[63]
<i>A. phagocytophilum</i> 5	AmMC6-TTGCTATAAAGAATAGTTAGTGG	[63]
<i>A. phagocytophilum</i> 7	AmMC6-TTGCTATAGAGAATAGTTAGTGG	[63]
<i>A. phagocytophilum</i> A-HGE	AmMC6-GCTATAAAGAATAGTTAGTGG	[63]
<i>A. phagocytophilum</i> A-D- HGE	AmMC6-GCTATGAAGAATAGTTAGTG	[63]
<i>A. ovis</i>	AmMC6-ACC GTA CGC GCA GCT TG	[19]

AmMC6: Amino group