

## Supplemental Tables

**Table S1: Primers used for PCR (Molecular constructs for *AdoMetT1* gene transfection and replacement)**

Restriction sites are underlined. Start and stop codons and anticodons are in bold.

N°	Sequence
1	5'-TTCTAGAAAGCCCAGAAATGGCGAAGGGT-3'
2	5'-AAGCTTGCCTAGACCTTCTCTCGCGT-3'
3	5'-GGATCCAGCCCAGAAATGGCGAAG-3'
4	5'-CAATCCTCTAGAGACCTTCTCTCGCGTCG-3'
5	5'-ACGAGCAAGGCTAGTGGTGT-3'
6	5'-GCAATCCATCTTGTTCATCATGGGAGGGAGAGGAGAAGAGA-3'
7	5'-CCTTCTTGACGAGTTCTTCTGAATTGGTCCGAGCTTCTTCA-3'
8	5'-ACAGCTAATGCCCCAGCTC-3'
9	5'-TCTCTTCTCCTCTCCCTCCCATGATTGAACAAGATGGATTGC-3'
10	5'-TGAAGAAGCTCGGAACCAATTCAGAAGAAGTTCGTCGAAGAAGG-3'
11	5'-CGGCACTGGTCAACTTGGCCATGGGAGGGAGAGGAGAAGAG-3'
12	5'-GAGCAGGACTGACCGATTGGTCCGAGCTTCTTCAT-3'
13	5'-CTCTTCTCCTCTCCCTCCCATGGCCAAGTTGACCAGTGCCG-3'
14	5'-ATGAAGAAGCTCGGAACCAATCGGTCAGTCCTGCTC-3'

**Table S2: Primers and Taqman probes (TP) used for real-time PCR.**

Gene name	Products	Sequence		Amplicon length (bp)
LinJ10_V3.0370	AdoMetT1	FW	CCATGTACATCTGGGGTGCG	165
		RV	GAGACGCGGAAGTCGAGC	
		TP	CCTGTGCCCTCGTGGCTCGGAGA	
LmjF10.0360	AdoMetT1	FW	GCCATGTACATTTGGGGTGCG	165
		RV	GGACGCGGAAGTCGAGCGT	
		TP	CCTGTGCCCTCGTGGCTCGGAGA	
<i>L. infantum</i> GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	FW	AAGGAGAACTTCGGCATCGAGACTG	255
		RV	CGCGCGGAACGTCAGGTC	
		TP	TGACCACCATCCACTCCTACACGGCGA	
<i>L. major</i> GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	FW	CAAAGGAGAACTTCGGCATCGAGAC	257
		RV	CGAGCGGAACGTCAGGTC	
		TP	TGACCACCATCCACTCCTACACGGCGA	
LinJ04_V3.1250 LmjF04.1230	Actin	FW	GCTGTACGGGAACATCGTGCTG	118
		RV	CGCAACCACCTTCGGCTTTATC	

FW, forward primer; RV, reverse primer; TP, TaqMan probe dual-labeled with 5'FAM /3'BHQ for the *AdoMetT1* gene and 5'TET /3'BHQ for GAPDH. Note that the Taqman probes were the same in *L. infantum* and *L. major*.