

Supplementary

Table S1. PCR primers and hydrolysis probes used in this study. †

Oligonucleotide	Sequence and Fluorophore/Quencher (5'→3')	Target Gene	Reference
pE (forward)	AAACTCAAAGGAATTGACGG	Eubacterial 16S <i>rrn</i> gene	Edwards <i>et al.</i> (1989)
pH' (reverse)	AAGGAGGTGATCCAGCCGCA	Eubacterial 16S <i>rrn</i> gene	
MimmFP (forward)	TTGATGTGCAGACGGATTCC	<i>M. immunogenum rpoB</i>	Rhodes <i>et al.</i> (2008)
MimmRP (reverse)	CAACCTCGCGCCAACG	<i>M. immunogenum rpoB</i>	
MimmTP (hydrolysis probe)	VIC-TTGAATGGTTGGTCGGCTCGCC-TAMRA	<i>M. immunogenum rpoB</i>	
gMycFP* (forward)	GGGGTGTGGTGTGTTGAG	<i>Mycobacterium</i> genus 16S-23S <i>rrn</i> gene ITS	van Coppenraet <i>et al.</i> (2004)
gMycRP* (reverse)	CTCCCACGTCCTTCATC	<i>Mycobacterium</i> genus 16S-23S <i>rrn</i> gene ITS	
gMycP* (hydrolysis probe)	6FAM-TGGATAGTGGTTGCGAGCATC-TAMRA	<i>Mycobacterium</i> genus 16S-23S <i>rrn</i> gene ITS	
IS900qPCRf (forward)	GATGGCCGAAGGAGATTG	<i>M. avium</i> subsp. <i>paratuberculosis</i> IS900	Slana <i>et al.</i> (2008)
IS900qPCRR (reverse)	CACAACCACCTCCGTAACC	<i>M. avium</i> subsp. <i>paratuberculosis</i> IS900	
IS900qPCRTM (hydrolysis probe)	6FAM-ATTGGATCGCTGTGTAAGGACACGT-BHQ	<i>M. avium</i> subsp. <i>paratuberculosis</i> IS900	
F57-F (forward)	TACGAGCACGCAGGCATTC	<i>M. avium</i> subsp. <i>paratuberculosis</i> F57	Schönenbrücher <i>et al.</i> (2008)
F57-R (reverse)	CGGTCCAGTTCGCTGTCAT	<i>M. avium</i> subsp. <i>paratuberculosis</i> F57	
F57 Taqman _{mgb} (hydrolysis probe)	VIC-CCTGACCACCCTTC-MGB	<i>M. avium</i> subsp. <i>paratuberculosis</i> F57	

* Our designation as oligonucleotides were originally simply forward and reverse primers Taqman probe when described in van Coppenraet *et al.* (2004).

† This table is the same with Table 4 in text. The duplication caused by an omission.