

**Table 1** The final seven loci selected for the MLST assay, their forward and reverse primers, amplicon size, final segment size, end and start point from start codon. Note the shorter final segment size from the amplicon size.

Gene	Locus Tag	primer Sequence (5' to 3')	Amplicon size	Final segment		
				Size	Start	End
<i>ugpA</i>	MGA_RS00175	F. GGTTAAGATTTGGGTGCCATTAG	843	693	145	837
		R. CGTAAGAATAAGCCGTATAAAGTTCC				
<i>atpG</i>	MGA_RS01800	F. GCAATGAAKATGCTTTCAACCG	668	522	115	638
		R. CACACTTTGGATTCAATTAACAACC				
<i>DUF3196</i>	MGA_RS02170	F. TTGTGGTTAGTGGGGATAATGAA	740	648	49	696
		R. GGRTAAGAAGGATAATAATCTTGCAT				
<i>mraW</i>	MGA_RS02315	F. CAAGGACGAATAGTTTGGCTG	822	681	89	769
		R. GGTTTGGCGGTCATAGTTAC				
<i>plsC</i>	MGA_RS02335	F. GTTGCTTCTGATAGGTTTGCTG	647	525	100	624
		R. CAAAGAAAACCGCTTTAAGACCG				
<i>dppC</i>	MGA_RS02950	F. CTTCTTAATGAGTCTTGAACGG	956	810	83	892
		R. GAAACTGACGAATTTGTTGATCC				
<i>lgT</i>	MGA_RS03995	F. CATCAGCATAAAARAACATTTTCAGAG	1071	888	142	1029
		R. CAGGCAATCATACAATAAACGATAG				