

**Supplemental Data Table S4.** Primers and probes used

N315 locus tag (target gene)	Primer/probe name	Sequence (5'→3')
SA_RS01235 (SA0210)	SA0210-F	GATTTAACGTTATGGATGATGGAT
	SA0210-R	TGAACCCCAAGCGTTTG
	VIC-VS-SA0210-MGB	CAGAATCAGTGATGAGTT
	FAM-VI-SA0210-MGB	CAGAATCAGTGATGGGT
SA_RS09725 (SA1694)	SA1694-F	ACGTCGCATTGAAAGTAAACAAC
	SA1694-SNP-R	GACAGATTGTAGGTGGAATATTCGAA
	VIC-VS-SA1694-MGB	AATATTTAGCTCAAGTGCA
	FAM-VI-SA1694-MGB	AATATTTAGCTCAAGCGC
SA_RS12250 (SA2132)	SA2132-F	ATGGTGCAGGTAACAACGA
	SA2132-R	ACCGTTATACGTAATGTGCCTTC
	VIC-VS-SA2132-MGB	ATTCGTATGATTTTAGGC
	FAM-VI-SA2132-MGB	ATTCGTATGTTTTAGGC
SA_RS12550 (SA2188)	SA2188-F	GCACACCTTAGGAGATGACTTTGT
	SA2188-R	GATCGCGTGTCAAATCAGT
	VIC-VS-SA2188-MGB	CAAAACCTGCTGGTATA
	FAM-VI-SA2188-MGB	CAAAACCTGCTGCTATA