

Table 2 The primers of *badh2-E4-5.1* marker using Real-time PCR

Detection site	Primer name	Primer sequence (5'-3')	Remarks	Amplified fragment size (bp)
<i>badh2-E4-5.1</i>	Wildtype F	GCAATTTTGATGTGCCCT CTC	Wild type primer, located in intron 4	244
	Wildtype R	CAATGTTTTCCCTTCTGC AGT	Wild type primer, located in intron 4	
	Wildtype Probe	FAM-ATACACACCTCTCC TCCGTGTTAATGCA-MGB	Wild type probe, located in intron 4	
	Deletion F	CTGAGCTGGCTAGACTAG AG	Mutant type primer, located upstream of exon 4	297
	Deletion R	TTACACGGAAGCCAATTC AGA	Mutant type primer, located in exon 5	
	Deletion Probe	VIC-CTTGGACAAAAGGC AACATGGAAGGT-MGB	Mutant type probe, the first half of the probe was located upstream of exon 4 and the second half was located at exon 5	
<i>badh2-E7</i>	Primer F	GGTTGCATTACTGGGAG TTATGA	Sense primer	78
	Primer R	TTGAAACAAACCTTAAC CATAGGA	Anti-sense primer	
	Wildtype Probe	FAM-AAGATTATGGCTTC AGCT-MGB	Wild type probe	
	Mutant Probe	VIC-ACTGGTAAAACTTC AG-MGB	Mutant type probe	