

Table S3 List of primers for PCR examination for allelic mutations used in this study and restriction enzyme used for each locus

Target gene	Primer name	Primer sequence (5' – 3') Forward and Reserse	Restriction enzyme
<i>yellow</i>	yellow-F	CGGAGCTAATTCCGTATCCA	
	yellow-R	CGCCAGGTAGCTCGTATCTC	
<i>CG14251 (K81)</i>	CG14251-F	GAGATTTCTCACTACTGCTCCTCG	<i>RsaI</i>
	CG14251-R	ACACGAATTGGATATGCGATAGC	
<i>CG3708</i>	CG3708-F	GATATTTGGAGGGTTCGGTGG	<i>BpmI</i>
	CG3708-R	GTGCTCTGTTCTTCGCCTGCT	
<i>CG9652</i>	CG9652-F	GCATTTTACGAGCTGCACATTG	<i>BstNI</i>
	CG9652-R	ACCCATTTGTTTCCTAATCATCC	
<i>CG17629(kl-3)</i>	CG17628-F	CGATGTCATAGTTGGGATAACTGATG	<i>BsrI</i>
	CG17629-R	ATTATTATTGTTTACTTACTATATTTGTTGAGCAGCC	
		ACAGACAGTTCTGGTAGCTCAATGCGATTAATTC	
<i>CG18028 (light)</i>	CG18028-F	GTATGTGGGCTTGCAACCATTATC	<i>Sau96I</i>
	CG18028-R	CCACGGAGTACGGTGATGAATG	
<i>CG17420 (Rp15)</i>	CG17420-F	GGATATCTGACGGATGTTATGTTCCG	<i>NspI</i>
	CG17420-R	TGACTCTTCGGCTTGCCATAAG	