

**Table S3** List of primers for PCR check in mutations used in this study

Target locus	Primer name	Primer sequence (5' – 3') Forward and Reverse
<i>yellow</i>	yellow-F	CGGAGCTAATTCGGTATCCA
	yellow-R	CGCCAGGTAGCTCGTATCTC
<i>ms(3)k81</i>	CG14251 -F	GAGATTTCTCACTACTGCTCCTCG
	CG14251 -R	ACACGAATTGGATATGCGATAGC
<i>white</i>	White-Seq-F1	GGTTAGATGAGCATAACGCTTGAG
	White-Seq-R1	CCACGCTGGATAGGAGTTGAGAT
<i>Hisc-RA</i>	Hisc-RA-HLF	CTAACCGTTAGGGAGTTAGAGTGGTCGTGGC
	Hisc-RA-HLR	CAGGCGGCCCGCCGTACAGCTGTAAGTCCTTGCTGA
	Hisc-RA-HRF	GGCGCGCCTTGTGGCATAGTATGAGCGATTGC
	Hisc-RA-HRR	ACTAGTTAGTTCGTATCAACTCTACCCCAG
	Hisc-RA-F01	TTGTAAACCCAACTATCCTATCCG
	Hisc-RA-R01	CCAAGCAAATGGCAAAGGTCC
	Hisc-RA-F02	TGATGGCGTGTGAAAGGAGAGA
	Hisc-RA-R02	GCAACTAGTGCTCTTAGCACTTTCTTG
	Hisc-RA-F03	TACGAGGAAGAATGAGACAACCA
Hisc-RA-R03	TATAAGGACGGCACCAAAGCGC	