

**Table S4** List of primers used for PCR to verify the conditional mutations.

<b>Target locus</b>	<b>Primer name</b>	<b>Primer sequence (5' - 3') Forward and Reverse</b>
<i>yellow</i>	yellow-seq-F	CGGAGCTAATCCGTATCCA
	yellow-seq-R	CGCCAGGTAGCTCGTATCTC
<i>notch</i>	Notch-seq-F	TGGAAGTGTGACCGTTTTACCC
	Notch-seq-R	GTGGCAAGTTCCATCGTTCAAGCA
<i>bag of marbles (bam)</i>	Bam-Seq-F	CAAAGAGTCTGGACGCCATCAT
	Bam-Seq-R	CGGTTCCACACATTTTCCTTCT
<i>nanos</i>	Nos-Seq-F	TTCGCAGTTGTTTCAAGTTGTCTA
	Nos-Seq-R	ATCTCGTCCGTTTGCTGGTGA
<i>ms(3)k81</i>	K81-seq-F	GAGATTTCTCACTACTGCTCCTCG
	K81-seq-R	ACACGAATTGGATATGCGATAGC