

**Table S3** List of primers used to construct the transgenic gRNA vector.

Target locus	Primer name	Primer sequence (5' - 3') Forward and Reverse
<i>yellow</i>	U6B-yw-gRNA1-KOD-F	GGTCGGCTGTGTTTTAGAGCTAGAAATAGCAAGTT
	U6B-yw-gRNA1-KOD-R	ACACTCATCCGAAGTATTGAGGAAAACATACCTA
	CR7T-yw-gRNA1-KOD-F	GGTCGGCTGTGTTTTAGAGCTAGAAATAGCAAGTT
	CR7T-yw-gRNA1-KOD-R	ACACTCATCCGAAAGTCTTCCACTCATATACGCT
	CR7T-yw-gRNA2-KOD-F	ACTGGAACCGGTTTTAGAGCTAGAAATAGCAAGTT
	CR7T-yw-gRNA2-KOD-R	GTCCAAAACCCGAAAGTCTTCCACTCATATACGCT
<i>notch</i>	U6B-notch-gRNA1-KOD-R	CCGTTCTGGCAAAGATGTCCGAAAGTATTGAGGAAAACATACCTATA
	U6B-notch-gRNA2-KOD-R	TTGTGTTTCGCACGGTGATCCCGAAGTATTGAGGAAAACATACCTATA
	CR7T-notch-gRNA1-KOD-R	CCGTTCTGGCAAAGATGTCCGAAAGTCTTCCACTCATATACGCTA
	CR7T-notch-gRNA2-KOD-R	TTGTGTTTCGCACGGTGATCCCGAAGTCTTCCACTCATATACGCTA
<i>bag of marbles (bam)</i>	U6B-bam-gRNA1-KOD-R	ACTGCTGGTCGTCGTTGCCGAAAGTATTGAGGAAAACATACCTATA
	CR7T-bam-gRNA1-KOD-R	ACTGCTGGTCGTCGTTGCCGAAAGTCTTCCACTCATATACGCTA
	CR7T-bam-gRNA2-KOD-R	TTAAGGCCAAATGCTCCTCCGAAAGTCTTCCACTCATATACGCTA
	CR7T-bam-gRNA3-KOD-R	CGTACTCACAAAGTGCTTTCCGAAAGTCTTCCACTCATATACGCTA
<i>nanos</i>	U6B-nos-gRNA1-KOD-R	AATACATGTCTGCAGGCCGAAAGTATTGAGGAAAACATACCTATA
	U6B-nos-gRNA2-KOD-R	CCCATTACGCCGGTGACCCGAAAGTATTGAGGAAAACATACCTATA
	CR7T-nos-gRNA1-KOD-R	AATACATGTCTGCAGGCCGAAAGTCTTCCACTCATATACGCTA
	CR7T-nos-gRNA2-KOD-R	CCCATTACGCCGGTGACCCGAAAGTCTTCCACTCATATACGCTA
<i>cid</i>	U6B-cid-gRNA1-KOD-R	GCTGCCTCCGTCCGGCGTCCGAAGTATTGAGGAAAACATACCTATA
	U6B-cid-gRNA2-KOD-R	GCTGCTCGGTTTTGCTTTCCGAAGTATTGAGGAAAACATACCTATA
	U6B-cid-gRNA3-KOD-R	AACGACGACGACACGGCCTTC GAAGTATTGAGGAAAACATACCTATA
	U6B-cid-gRNA4-KOD-R	ACTACGGCCTCGAATTCACC GAAGTATTGAGGAAAACATACCTATA
<i>ms(3)k81</i>	U6B-K81-KOD-F	TTACGCGGTAGTTTTAGAGCTAGAAATAGCAAGTT
	U6B-K81-KOD-R	TCAGAAATCCGAAGTATTGAGGAAAACATACCTA
	gRNA-KOD-F	GTTTTAGAGCTAGAAATAGCAAGTT