

Table S1 Oligonucleotides used in this study

Oligonucleotides used to construct gRNA expression vectors

Target locus	gRNA ID	Top oligonucleotide	Bottom oligonucleotide
<i>white</i> exon 3	<i>w-ex3-1</i>	CTTCGGCCTATCCGGGCGAACTTT	AAACAAAGTTCGCCCGGATAGGCC
<i>white</i> exon 3	<i>w-ex3-2</i>	CTTCGGCCAAAAGTTCGCCCGGAT	AAACATCCGGGCGAACTTTTGCC
<i>white</i> exon 3	<i>w-ex3-3</i>	CTTCGTGATGGCAGTTCCGGTGC	AAACGCACCGGAACTGCCCATCAC
<i>white</i> exon 3	<i>w-ex3-4</i>	CTTCGAAAGGCAAGGGCATTTCAGC	AAACGCTGAATGCCTTGCCCTTTC
<i>white</i> exon 3	<i>w-ex3-5</i>	CTTCGGCGATACTTGGATGCCCTG	AAACCAGGGCATCCAAGTATCGCC
<i>white</i> exon 6	<i>w-ex6-1</i>	CTTCGCTGCACCTCTTCAACTGCC	AAACGGCAGTTGAAGAAGTGCAGC
<i>mir-219</i>	<i>mir219-1</i>	CTTCGGATGAAATAGCTTGCGCCG	AAACCGGCGCAAGCTATTTTCATCC
<i>mir-219</i>	<i>mir219-2</i>	CTTCGCAGCAGTACGATGTTTCATT	AAACAATGAACATCGTACTGCTGC
<i>mir-315</i>	<i>mir315-1</i>	CTTCGTTAAGCCATTGGCTAAGTT	AAACAACCTAGCCAATGGCTTAAC
<i>mir-315</i>	<i>mir315-2</i>	CTTCGATTTCAAAGCACTTCGTTT	AAACAAACGAAGTGCTTTGAAATC
<i>Ast</i>	<i>Ast-1</i>	CTTCGCAGTAGGAGGTGGGCGTGA	AAACTCACGCCACCTCCTACTGTC
<i>capa</i>	<i>capa-1</i>	CTTCGACCACGACAAGAACCGACG	AAACCGTCGGTCTTGTGCTGGTC
<i>Ccap</i>	<i>Ccap-1</i>	CTTCGGCTTGTGCCATTTGCTCTC	AAACGAGAGCAAATGGCACAAGCC
<i>Crz</i>	<i>Crz-1</i>	CTTCGGAAGAGGGGCGAGCAGCAGG	AAACCCTGCTGCTGCCCTCTTCC
<i>Eh</i>	<i>Eh-1</i>	CTTCGTGCGTATAATGACTTATGG	AAACCCATAAGTCATTATACGCAC
<i>npf</i>	<i>npf-1</i>	CTTCGCCCTTGCCCTCCTAGCCGC	AAACCGGCTAGGAGGGCAAGGGC
<i>Mip</i>	<i>Mip-1</i>	CTTCGAGAACTTACGGCTTTCTGA	AAACTCAGAAAGCCGTAAGTTCTC

Oligonucleotides used for T7 endonuclease I analysis and DNA sequencing.

Target locus	Primer ID	Primer sequence
<i>white</i> exon 3	<i>w-ex3-CHK-F</i>	CAGAGCTGCATTAACCAGGGCTTCG
	<i>w-ex3-CHK-R</i>	GTTAGAGCCTCGGAGGCGAATGCCAG
<i>white</i> exon 6	<i>w-ex6-CHK-F</i>	GGTTGCCATCTTGATTGGCTCATC
	<i>w-ex6-CHK-R</i>	GAGAAGTTAAGCGTCTCCAGGATGAC
<i>mir-219</i>	<i>mir219-CHK-F</i>	CATCCCACTGCTGGGTGTGTTTGAC
	<i>mir219-CHK-R</i>	CTGACACTGATGGTAATCGAGATG
<i>mir-315</i>	<i>mir315-CHK-F</i>	CCAGGACTCTCATTGGTCGCCATCG
	<i>mir315-CHK-R</i>	CGATTGAATTTTCGAGTGAGTAGTGG
<i>Ast</i>	<i>Ast-CHK-F</i>	CGCTAGAAGGTACGCATTAGGGTGG
	<i>Ast-CHK-R</i>	CCCAGTCCGAAGGAGTAGGGACGAG
<i>capa</i>	<i>capa-CHK-F</i>	CTTAAAGCACTTCTTGAAGAGGCATGC
	<i>capa-CHK-R</i>	CAGCACCTGTTGCAGAGCCAGAAGGTG
<i>Ccap</i>	<i>Ccap-CHK-F</i>	CACTCGGCAAGGGCAAGGACCATCC
	<i>Ccap-CHK-R</i>	GAGGGATACGTACGCTTTCGTCCAC
<i>Crz</i>	<i>Crz-CHK-F</i>	GCAGCCAGCTGTCGTTGGTACAAGG
	<i>Crz-CHK-R</i>	CGTTGGAGCTGCGATAGACAGCTGG
<i>Eh</i>	<i>Eh-CHK-F</i>	GTGTCGACTGTCTCGCATCTGCGAC
	<i>Eh-CHK-R</i>	CACTGGACGCAGTTGTTAAGGCACAC
<i>npf</i>	<i>npf-CHK-F</i>	CGGTAATATGTGTGTACGTATTTGG
	<i>npf-CHK-R</i>	GAGTTAGTGACGTTGCCATGGTCGTC
<i>Mip</i>	<i>Mip-CHK-F</i>	CATTCCGCGAGTGCGGTTGTGCTGGC
	<i>Mip-CHK-R</i>	GTGCCATCCGTGATTACCAGCGGAAC