

mir-219 locus
 CGGGGCCAGGATGAAATAGCTTGCGCCGCGG. . . . (367bp) CCGAATGAACATCGTACTGCTGCCCTTAAAAAT Wild type
 CGGGGCCAGGATGAAATAGCTTac-----GAACATCGTACTGCTGCCTTAAAAAT
 CGGGGCCAG-ATGAAATA-----GAACATCGTACTGCTGCCTTAAAAAT
 CGGGGCCAGGATGAAATAGCTTGC-----TGCCTTAAAAAT
 CGGGGCCAGGATGAAATAGCTTGCtg-----ATGAACATCGTACTGCTGCCTTAAAAAT [x2]
 CGGGGCCAGGATGAAATAGgccaggata-----GAACATCGTACTGCTGCCTTAAAAAT
 CGGGGCCAGGATGAAATAGCTTcgtacatcgatgtacgatgaata-----GAACATCGTACTGCTGCCTTAAAAAT

mir-315 locus
 TGTGTTAAGCCATTGGCTAAGTTGG. . . . (129bp) GATTCAAAGCACTTCGTTTGGTAAGTAAAGATTTA Wild type
 TGTGTTAAGCCATTGGCT-----TTGGTAAGTAAAGATTTA
 TGTGTTAAGCCtttggtataacttacca-----TTTGGTAAGTAAAGATTTA

Figure S6 Breakpoint sequences of Cas9-induced deletions at miRNA loci. Wild-type sequences around the two target sites are shown at the top, followed by junction sequences of individual deletions. Symbols and colors are the same as in **Figure S3**.