

Table S1. Sequence analysis of H9 clones with NHEJ.

	Sequence	Genotype
	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGGaTCCTTCAAGATCGCCGG	WT ssODN
clone 2107	ACAGAGG.65bp. GCTAGATAACCG-----AAACTCCTTCAAGATCGCCGG ACAGAGG.39bp. -----AGTAAAAACTCCTTCAAGATCGCCGG	Δ 7 bp Δ 40 bp
clone 2106	ACAGAGG.65bp. GCTAGATAACCGAAAGT <u>AAAAAA</u> CTCCTTCAAGATCGCCGG ACAGAGG.47bp. -----CTCCTTCAAGATCGCCGG	1 bp Δ 40 bp
clone 2129	ACAGAGG.65bp. GCTAGATAACCG-----AAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAAGT-----TCAAGATCGCCGG	Δ 7 bp Δ 10 bp
clone 2143	ACAGAGG.65bp. GCTAG-----AAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCG-AAGTAAAAACTCCTTCAAGATCGCCGG	Δ 13 bp Δ 1 bp
clone 2170	ACAGAGG.65bp. GCTAGATAACCGAAAGT-AAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCT-----AGTAAAAACTCCTTCAAGATCGCCGG	Δ 1 bp Δ 11 bp
clone 2101	ACAGAGG.65bp. GCTAGATAACCGA----AAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG	Δ 4 bp WT
clone 2144	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAAGT <u>TAAAAA</u> CTCCTTCAAGATCGCCGG	WT 1 bp
clone 2148	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCG <u>AAAAGT</u> AAAAACTCCTTCAAGATCGCCGG	WT 1 bp
clone 2152	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAAGT <u>TAAAAA</u> CTCCTTCAAGATCGCCGG	WT 1 bp
clone 2157	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAAGT-AAAACTCCTTCAAGATCGCCGG	WT Δ 1 bp
clone 2158	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAAGT <u>TAAAAA</u> CTCCTTCAAGATCGCCGG	WT 1 bp
clone 2162	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCG-AAGTAAAAACTCCTTCAAGATCGCCGG	WT Δ 1 bp
clone 2164	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAAA-----GATCGCCGG	WT Δ 15 bp
clone 2175	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGA----AAAACTCCTTCAAGATCGCCGG	WT Δ 4 bp
clone 2185	ACAGAGG.65bp. GCTAGATAACCGAAAGTAAAAACTCCTTCAAGATCGCCGG ACAGAGG.65bp. GCTAGATAACCGAA--TAAAAACTCCTTCAAGATCGCCGG	WT Δ 2 bp

Genomic PCR products from randomly isolated H9 clones transfected with the TALEN and ssODN were directly sequenced. The sequence was aligned with the sequence of ssODN and the wild-type miR-9-2 gene shown on top of the table. “ Δ ” denotes deletion and “|” denotes insertion. Inserted sequences are underlined and deletions are indicated by dashed lines.