

Table S1: The primers of potential off-target sites (POTS) used in this study

		Potential Off Target Site	Number of mismatch	Position	PCR Primer
sgRNA1	OT1	tAaCCTgAAGGG GTtTACGG - GGG	4	Chr19: -33316	F:AAATGGATTGGGAGCCAGGG R:ACCCCTGGGTATTTGCCTA
	OT2	cAGCCTTA tGGG tgCTACGG - GGG	4	Chr5: +15099	F:TCCCTCTGCATACCCTCCTC R:TATTAAATCCGCTCCCCCGC
	OT3	GAcCCTTctGGG GgCTACGG - AGG	4	Chr6: +128637	F:TGGCTGCCTGTGTAAGCAAGTC R:CCTGCCTGGAGGTTTCACTGTT
sgRNA2	OT4	tgCACATCAaGC ATtGGCAT - TGG	4	Chr9: -36820	F:GGTGTGCTGCTCCCAATGCTAT R:GGCCACTGTACTTGCTCCTCCT
	OT5	GAtACATCtgGC ATgGGCAT - CGG	4	Chr12: -122809	F:TGGCGCATCTACCAGATTTC R:ACCCAGAGTGAGGCACAGTA
	OT6	GACtgATgACaC ATCGGCAT - GGG	4	Chr11: -56255	F:GCACGCTGGGGACATAACTT R:GCATCCCCAGGAGGAGTAGA
	OT7	GACA gAgCACcC ATaGGCAT - AGG	4	Chr15: +39770	F:CCAGAGGAAGACCAACCGTGT R:ACATTCCCAAGGCAGTGGAACT
	OT8	GACA gATgACTc ATgGGCAT - CGG	4	Chr13: +85077	F:GGAAGTGCAGATGTCCCCTC R:ATGATTGCTGCCACGGGTAA
	OT9	GACACA gCACGC caaGGCAT - TGG	4	Chr15: -149496	F:CTACCTGCTTTCCCGTGTGT R:AAGGCTCACCCTGGACAATG
	OT10	GACACATCtgGg ATtGGCAT - GGG	4	Chr16: +147218	F:TTGGGCATCTTGCTCTCCAG R:GCTGAACCCAGAGCTTCACT