

**Table S2 Specificity analysis of cgRNA.** Table shows average mutation percentage at targeted locus with different mutant cgRNA.

	Sequence	Average mutation (%)
Normal cgRNA	AGACGTACGAGTTTGTGCAG	17.9
Mutant cgRNA	1 AGACGTACGAGTTTGTCAA	0
	2 AGACGTACGAGTTTGTGCGA	0
	3 AGACGTACGAGTTTGTGGCA	0
	4 AGACGTACGAGTTTGGTGCA	0
	5 AGACGTACGGAGTGCAGTTT	0
	6 AGACGTACTAGTTTGTGCAG	0
	7 AGACGTACGAGTTTGTGAAG	0
	8 AGACGTACGAGTTTGTCTAG	0
	9 AGACGTACAAGTTTATGCAG	0
	10 AGACGTACGAGTGGGTGCAG	0
	11 TGACGTACGAGTTTGTGCAG	2.8
	12 CAACGTACGAGTTTGTGCAG	2.4
	13 CAGCGTACGAGTTTGTGCAG	1.6
	14 AGACAGTCGAGTTTGTGCAG	0
	15 AGACTGCAGAGTTTGTGCAG	0