

Table 1 Sequences of oligonucleotides used in this study.

Primer	Sequence	Details
gD-F	TCTCGAGGAGGACCCGTGCGGGGTGGTGGCG	Left
gI-R	TGAATTCGCAGGCGCGCTTGGGGTCGAGGCGC	Homologous arm
US2-F	TACTAGTGCTGGACACGGAGTGGTCGTCCGTCC	Right
US2-R	TGCGGCCGCGTGAGGCGGGCCGCGCCCCGCTCT	Homologous arm
sgRNA-gI-F	CACCGTACGACCCCGCGTCCCCCG	sgRNA-gI
sgRNA-gI-R	AAACCGGGGGACGCGGGGTCGTAC	
sgRNA-US2-F	CACCGGGGGTGACGGCCATCACCG	sgRNA-US2
sgRNA-US2-R	AAACCGGTGATGGCCGTCACCCCC	
gI/US2-F	ACCACCGCCGCGCCGGGCGTCTCGCGCCAC	Identify the deleted genes
gI/US2-R	GGCCAGCGAGCCGGGGGAGATCTCCGAGGA	