

Title: Supplementary Data 1:

Description: Oligos used for plasmid construction.

Title: Supplementary Data 2:

Description: pegRNA target sequences and PCR primer sequences for genomic DNA amplification

Title: Supplementary Data 3:

Description: Calculation of on-target base substitutions. Base substitutions were determined by deep sequencing and base substitution frequencies at the positions in pegRNA-targeted genomic loci were calculated for indicated conditions. Read counts for all four types of bases are listed.

Title: Supplementary Data 4:

Description: Calculation of on-target indels. Indels were determined by deep sequencing and indel frequencies at the examined pegRNA-targeted genomic loci were calculated for indicated conditions. Counts of indel-containing reads and total mapped reads are listed.

Title: Supplementary Data 5:

Description: Calculation of pegRNA-dependent OT base substitutions and indels. Base substitutions and indels were determined by deep sequencing and total base substitution frequencies and indel frequencies at the examined pegRNA-dependent OT genomic loci were calculated for indicated conditions. Read counts for all four types of bases and counts of indel-containing reads and total mapped reads are listed.