

**Title:** Supplementary Data 1

**Description:** The relationship between nuclease-induced indels efficiency and phenotype observed in F0 embryos.

**Title:** Supplementary Data 2

**Description:** Primers for detection and mutations in this study.

**Title:** Supplementary Data 3

**Description:** All target sites used in this study.

**Title:** Supplementary Data 4

**Description:** Primers for NGS in this study.

**Title:** Supplementary Data 5

**Description:** The predicted off-target sites in this study.

**Title:** Supplementary Data 6

**Description:** *P* values calculated in the study.