

## **Description of additional supplementary materials**

**Supplementary Data 1.** Raw read counts of WGS data

**Supplementary Data 2.** SNVs identified in each sample and de novo SNPs for the progeny

**Supplementary Data 3.** Indels identified in each sample and de novo indels for the progeny

**Supplementary Data 4.** Location of the four predicted off-target sites overlapping with de novo SNVs. The samples harboring the same SNV are grouped into overlapping groups.

**Supplementary Data 5.** Characterization of de novo indels