

## **Description of Additional Supplementary Files**

File name: Supplementary Data 1

Description: Primer sequences for genotyping and Real-time PCR

File name: Supplementary Data 2

Description: Mini-bulk SMART-seq2, PAT, Ribo-seq and acRIP-seq

File name: Supplementary Data 3

Description: Quality control of RNA-seq results

File name: Supplementary Data 4

Description: DEGs between WT and Nat10-ZcKO GV oocytes

File name: Supplementary Data 5

Description: DEGs between WT and Nat10-ZcKO MII oocytes