



Supplementary information, Figure S1 Generation of *ApIn*^{CreERT2/Y} knockin mouse line. **(A)** CreERT2 cDNA was knocked into the endogenous start codon of *ApIn* gene on X chromosome by homologous recombination, resulting in deletion of the first coding exon. Neo resistant gene was removed afterwards. K, KpnI; E, EcoRI. **(B and C)** Correct gene targeting was screened by long PCR. **(D and E)** Correct gene targeting was confirmed by southern blotting. **(F)** Genotyping by allele-specific PCR of *ApIn*^{CreERT2/Y} line.