Supplementary Fig. 4. Observed testicular histology and structure of ER and mitochondria in Leydig cells of mouse testis by low-level hCG and Tm treatment.

A-C, Hematoxylin & Eosin (H&E) staining of the testis section of mice treated with hCG (0.05 IU/g of BW; A) and tunicamycin (Tm, 0.2 µg/g of BW; B) followed by addition of TUDCA (total 500 mg/kg/day; C). a-c, Transmission electron microscopy (TEM) images of Leydig cells in testes treated with hCG, Tm and TUDCA. Black arrow indicates stacked ER lumen. White arrow indicates fragmentation of ER lumen. Asterisks indicate severe loss of cristae and rarefaction of the mitochondrial matrix. N. Nuclear. Scale bar, 200 µm (A–D); 1 µm (a–d).