Supplemental Figure 1: Estradiol and DHT testosterone levels in the presence of finasteride, a 5α-reductase inhibitor (5αR-I), or formestane, an aromatase inhibitor (Aro-I). Granulosa cells were treated with vehicle (C), Testosterone (T), androstenedione (Δ4A), T plus 5αR-I, T plus Aro-I, Δ4A + plus 5αR-I, or Δ4A plus Aro-I. Estradiol and DHT concentrations in the culture medium were determined using ELISA as indicated in the materials and methods section. Values are the mean ± S.E.M. of three experiments, each one performed in triplicate.

Supplemental Figure 2: Testosterone, but not androstenedione stimulates LRH-1 promoter activity in 293T cells. 293T cells were co-transfected with the LRH-1-Luc reporter construct and an empty vector or a rat androgen receptor expression vector (Rat AR). 24 hs after transfection, cells were treated with vehicle (C), testosterone (T) or androstenedione (Δ4A) for 48 hs. Relative luciferase activities were determined using dual luciferase assays. The experiment was repeated three times with identical results. Values are the mean ± S.E.M. of a single experiment performed in triplicate. ** p<0.01 vs empty vector and C and Δ4A treated cells (ANOVA I followed by Tukey t test.)