Supplementary Figure S2

**A. In vitro culture**

![Graph showing relative Alk2 mRNA expression over time for control and Compound C treatments.](image)

**B. In vivo transplantation**

![Graph showing relative mRNA expression for Alk2 and Alk6 for control and Compound C treatments.](image)

**C. In situ intrabursal injection**

![Graph showing relative mRNA expression for Alk2 and Alk6 for control and Compound C treatments.](image)

**Supplementary Figure S2** The relative mRNA expression in different tissues. (A) The relative mRNA expression (Alk2, Alk6) in *in vitro*-cultured 10-day-old mouse ovaries treated with DMSO (control) or Compound C (10 μM) for different times (0-8 h). Relative gene expression in fresh ovaries collected from 10-day-old mice (no treatment) was used as the baseline in the graph (1.0). (B) Different mRNA levels (Alk2, Alk6) measured in 10-day-old grafted ovaries. Paired ovaries were collected following treatment with 10 μM Compound C or vehicle. The relative mRNA expression from the control group was used as the baseline in the graph (1.0). (C) mRNA expression profiles (Alk2, Alk6) in ovaries treated with DMSO (control) or 50 ng/10 μL Compound C. mRNA expression from the vehicle group was used as the baseline in the graph (1.0).

*Actb* expression was used to normalize mRNA levels (*n* = 3; mean ± SEM).