



Supplementary Figure S1. Real-time PCR and immunoblot analysis of *Klf4* mRNA and protein in GCs to confirm (A,C,D) *Klf4* overexpression and (B,D) *Klf4* knockdown. *Klf4* mRNA levels were normalized with *18S rRNA* levels. Bars indicate fold changes relative to control, and values are means \pm SDs of data pooled from three independent experiments. (D) In the immunoblot analysis, bands corresponding to *Klf4* (65 kDa) and β -actin (43 kDa) were indicated, respectively (upper panel). The density was transformed to pixels, and the digitized images were analyzed using Gel Plot 2 Macro for Scion Image beta 4.0.2 software (Scion Corporation, Frederick, MD, USA). Each bar indicates the fold change to the value for CT or NT, and represents the mean \pm SD from two independent experiments (lower panel). CT, control cells transfected with empty vector; KLF4, cells transfected with *Klf4* (300 ng); NT, cells transfected with non-target siRNA; siRNA, cells transfected with *Klf4*-specific siRNA (200 nM).