



### Supplemental Figure 1.

A - UMAP plot of the entire dataset visualizing integration of 5 samples. Each dot represents a transcriptome of a single cell, and is color-coded according to sample. B - A table showing number of recovered cells in germ cell and somatic cell of germarium clusters, and the number of corresponding cells per cell type in the ovary according to the literature. C - Violin plots visualizing number of transcripts detected, genes detected and fraction of mitochondrial reads in each sample. D - A table showing experiment statistics - total number of cells, number of high-quality cells, sequencing saturation, total genes detected and reads per cell. E - Feature plots visualizing select marker gene expression in somatic cells of the germarium. Left panel - fragment of UMAP plot from Figure 3A. Right panel - visualization of *AdamTS-A*, *en*, *kar*, *Lmx1a*, *peb*, *ptc*, *Wnt4* and *wun2* expression in somatic cells of the germarium. Each dot represents a cell, and is color-coded according to gene expression levels as indicated in the scale.