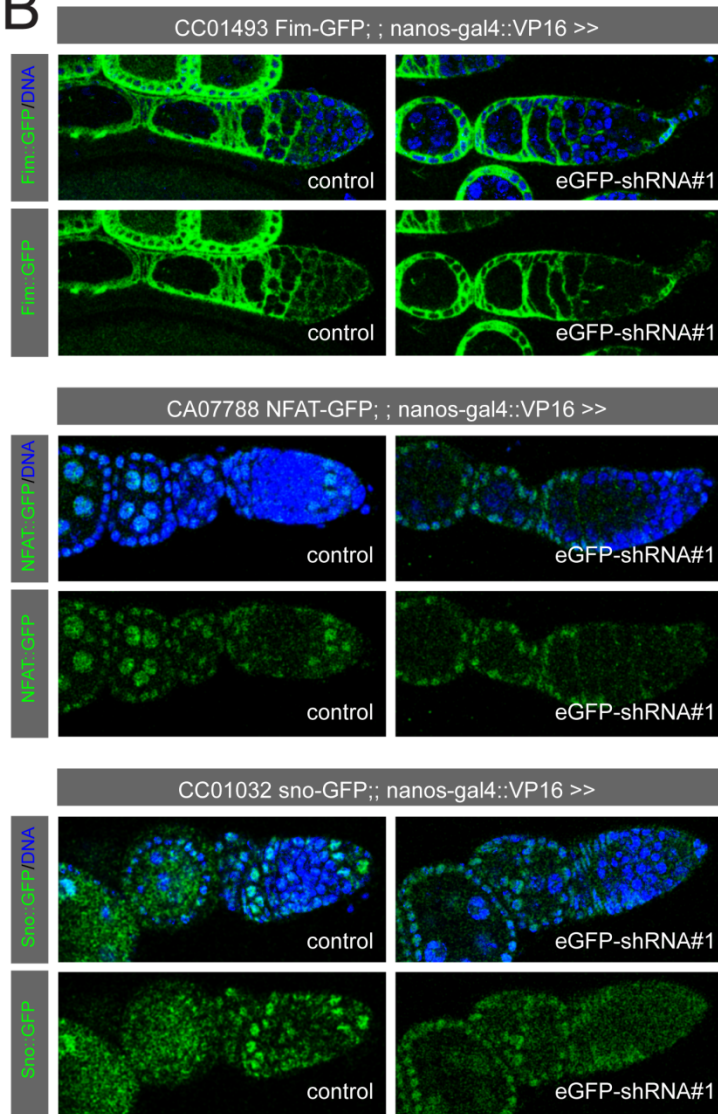


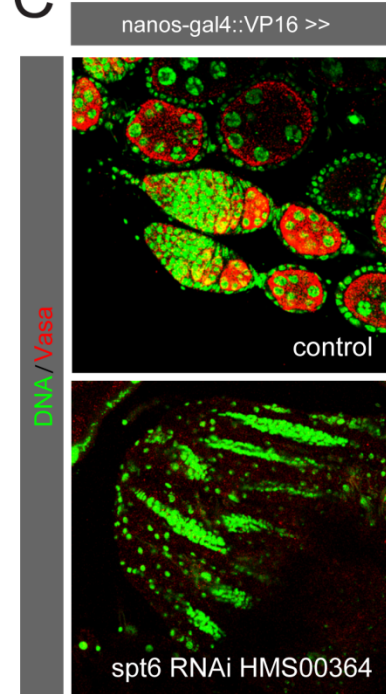
A

| Trap number | gene name | phenotype in germline |
|-------------|-----------|----------------------------------|
| BA00253 | NetB | wild type |
| CA06750 | Trxr-1 | high fraction of empty ovarioles |
| CA06924 | CAP | wild type |
| CA07692 | Spt6 | loss of germline cells |
| CA07788 | NFAT | wild type |
| CB022888 | lola | wild type |
| CC00380 | Pabp2 | loss of germline cells |
| CC00737 | Tudor-SN | wild type |
| CC00791 | vkg | wild type |
| CC01032 | sno | wild type |
| CC01377 | Cp1 | degenerating egg chambers |
| CC01493 | Fim | wild type |

B



C



D

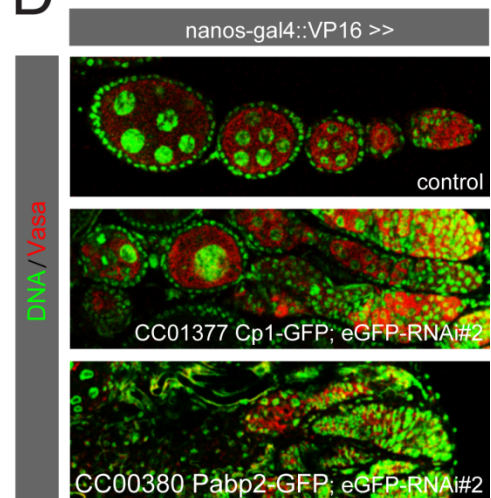


Figure S1 (A) Homozygous viable GFP traps with expression in the germline were selected from the Carnegie collection (Buszczak et al. 2007). EGFP-shRNAs were driven in the background of these traps using the germline-specific *nanos-GAL4*. The phenotype upon tag-mediated knockdown is indicated. (B) Examples of GFP traps that showed depletion of GFP signal in the germline but failed to show any detectable phenotype upon tag-mediated knockdown. Ovarioles stained for GFP and DAPI are shown; endogenous GFP fluorescence is shown for CC01493. (C) *Spt6* was knocked down in the germline using a *Spt6*-specific shRNA construct driven by *nanos-GAL4*, and ovaries were stained for Vasa and DAPI. The gene-specific knockdown is indistinguishable from tag-mediated knockdown (Figure 1D). (D) The indicated EGFP-shRNAs were driven by *nanos-GAL4* in the background of the *Cp1-GFP* or *Pabp2-GFP* traps, and ovaries were stained for Vasa and DAPI. The phenotypes resemble those in Figure 1, G and I, respectively.