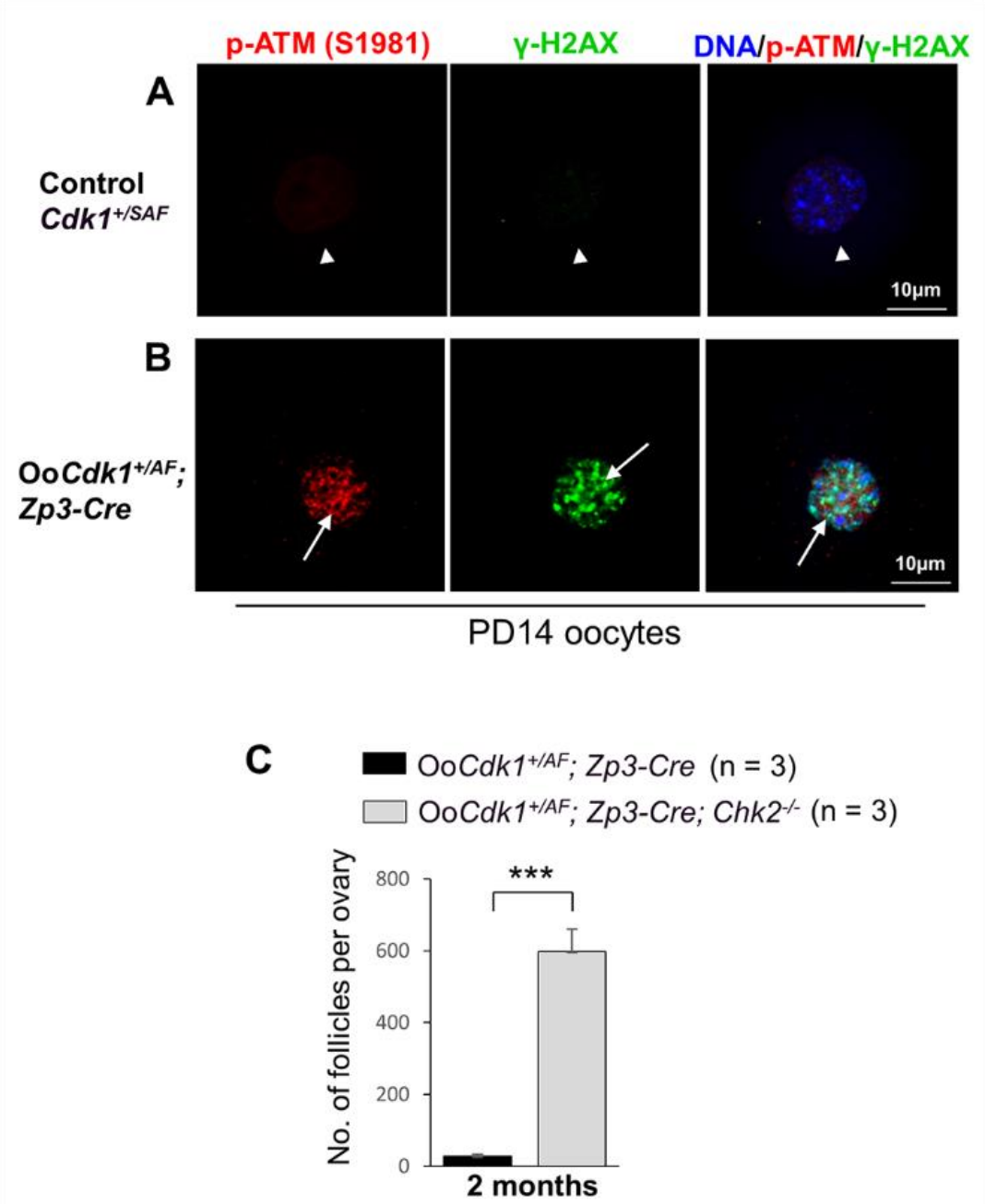


**Figure S3. Increased ATM activation in GV stage Oo*Cdk1*$^{+/AF}$*; Zp3-Cre* oocytes and quantification of ovarian follicles in Oo*Cdk1*$^{+/AF}$*; Zp3-Cre; Chk2*$^{-/-}$ mice.** Increased level of p-ATM (S1981) accompanied by increased γ-H2AX signal in PD14 Oo*Cdk1*$^{+/AF}$*; Zp3-Cre* oocytes at GV stage (B, arrows), in comparison to PD14 control *Cdk1*$^{+/SAF}$ oocytes where there was almost no signal for p-ATM (S1981) or γ-H2AX (A, arrowheads). The experiments were repeated more than three times each, and representative images are shown. (C) Quantification of ovarian follicle numbers in 2 months Oo*Cdk1*$^{+/AF}$*; Zp3-Cre* and Oo*Cdk1*$^{+/AF}$*; Zp3-Cre; Chk2*$^{-/-}$ mice. The numbers of total follicles per ovary (mean ± SEM) were quantified as described in *Materials and Methods*. The numbers of mice used (n) and results of statistical analyses are given. ***$P < 0.001$.