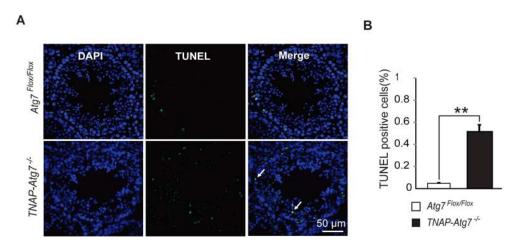
## **Supplementary information**



**Figure S1** Apoptosis detection by TUNEL in the seminiferous tubules of  $TNAP-Atg7^{-/-}$  and the control mice. (A) Representative TUNEL results in the seminiferous tubules of  $TNAP-Atg7^{-/-}$  and the control mice. (B) Percentage of apoptotic cells in the seminiferous tubules of tubules of  $TNAP-Atg7^{-/-}$  and the control mice.  $TNAP-Atg7^{-/-}$ ,  $0.47 \pm 0.00$  %;  $Atg7^{Flox/Flox}$ ,  $0.04 \pm 0.00\%$ .