

Figure S1. Replication of the expression plasmids encoding the zebrafish *ptena* and *ptenb* genes in (a) ZF4 cells transfected with the plasmids or (b) zebrafish larvae microinjected with pcDNA3.1-*ptena* or pcDNA3.1-*ptenb* at the one-cell embryo stage. The correct replication was analysed by qPCR analysis of both *pten* genes. The expression of the different genes was normalized to the expression of the *18S ribosomal RNA* gene. The graphs represent the means \pm SEMs of 4 and 5 biological replicates for the ZF4 cells and zebrafish larvae, respectively. Statistically significant differences with the controls are displayed as *** ($0.0001 < p < 0.001$), ** ($0.001 < p < 0.01$) or * ($0.01 < p < 0.05$).

