



**Figure S2. Increased hepatocyte proliferation induced by 17 $\beta$ -estradiol (B), TCDD (C) and NDMA (D).** Zebrafish larvae were treated 50  $\mu$ g/L 17 $\beta$ -estradiol, 1000 ng/L TCDD or 100  $\mu$ g/L NDMA from 3 dpf to 5 dpf and liver cryo-sections were prepared and stained by DAPI and PCNA. Increased numbers of proliferating hepatocytes were noted from 17 $\beta$ -estradiol, TCDD and NDMA treatment groups compared to the 0.01% DMSO vehicle control group.