Senescence-associated β-galactosidase staining over the lifespan differs in a short- and a long-lived fish species

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Supplementary Figure 1. Quantitative measurement of staining intensities (grey values) in killifish (Nf) and zebrafish (Dr). A) Overall intensity measured over entire section of all organs; intensity positives represent measured intensity of only the positively stained cells; combined values given to better indicated species-dependent differences. B) Proportion of stained cells in all cells of liver along the lifespan of Nf (left); comparison of proportion in adult male and female Nf (12 weeks). Ordinate represents percentage of intensity from black (adapted to maximum bar height); whiskers represent standard deviation.
Supplementary Figure 2.
SA-βGal staining throughout the lifespan of killifish (Nf) and zebrafish (Dr); representative images; PCNA immunostaining. A) Organ outlines are indicated by dashed line in case of absent or low staining. Depicted are age stages Nf 4 dph/ Dr 5 dpf (newborn); Nf 3 weeks/ Dr 6 weeks (childhood); Nf 5 weeks/ Dr 6 months (adolescence); Nf 13 weeks/ Dr 15 months (adult) and Nf 18 weeks/ Dr 26 months (old); cryosections. B) Adolescent Nf intestine immunostained for PCNA (green); DAPI blue; overlay; paraffin sections. gnf, gonads not found. Scale bars: 200 µm (except otherwise indicated).