



SUPPLEMENTARY FIG. S1. Young mice lacking aryl hydrocarbon receptor (AhR) are more sensitive to hematopoietic stress [5-fluorouracil (5-FU)]. **(A)** White blood cell counts of wild type (WT) and AhR-KO mice were done at different intervals after 5-FU (150 mg/kg) treatment (WT $n=4$; AhR-KO $n=4$). **(B)** Lin^- cells were isolated from bone marrow (BM) cells 6 days post 5-FU treatment. These cells were stained for Sca-1, cKit cell surface markers, and then intracellular staining was done for p16 (WT $n=6$; AhR-KO $n=6$). **(C)** Lin^- cells from 6 days post 5-FU treated WT and AhR-KO mice were stained for Sca-1 and cKit surface markers and intracellular with dichlorofluorescein diacetate (DCFDA) (WT $n=6$; AhR-KO $n=6$). Values presented are mean \pm SD of WBC counts **(A)** and mean fluorescence intensity of p16 and DCFDA staining in $\text{Lin}^- / \text{Sca-1}^+ / \text{c-kit}^+$ (LSK) cells **(B, C)**. *values presented were significantly different from control ($P < 0.05$).