



Figure S4

Figure S4: Src, Fyn and Yes are redundant for homeostatic self-renewal of the mouse small intestine. (A-F) BrdU staining of small intestines from control mice (A, D) or mice subject intestinal epithelial knockout of Src only (*AhCre; Src^{fl/fl}*) (B, E) or in combination with constitutive knockout of Fyn and Yes (*AhCre; Src^{fl/fl}; Fyn^{-/-}; Yes^{-/-}*) (C, F). Tissues in A-C correspond to mice subject to 4-day gene knockout while tissues in D-F are from mice subject to 6-day gene knockout. (G) Quantification of crypt length in small intestines from mice of the indicated genotypes 4-days after gene knockout. (H) Quantification of proliferation in intestines as in A-C after a 2hr pulse of BrdU labeling. Data in G, H is presented as dotplots indicating mean values from all mice scored \pm S.E.M. Each dot represents the average values obtained per mouse. Statistical analysis was done by one-way ANOVA with Bonferroni's Multiple Comparison Test. N.S. (Non-statistically significant). (I) Quantification of cell migration in intestines as in D-F after a 48hr pulse of BrdU labeling. Data in the green and red curves represent average cumulative percentage from three mice \pm S.E.M. The blue curve corresponds to data from one mouse. Statistical analysis was done by Mann-Whitney Test, which showed no significant difference in cell migration between the different genotypes. (J-O) Small intestines from mice of the indicated genotypes stained with Alcian Blue (J-L) and Grimelius (M-O) to visualize Goblet and Enteroendocrine cells (arrows), respectively. Scale bars: 100um.