

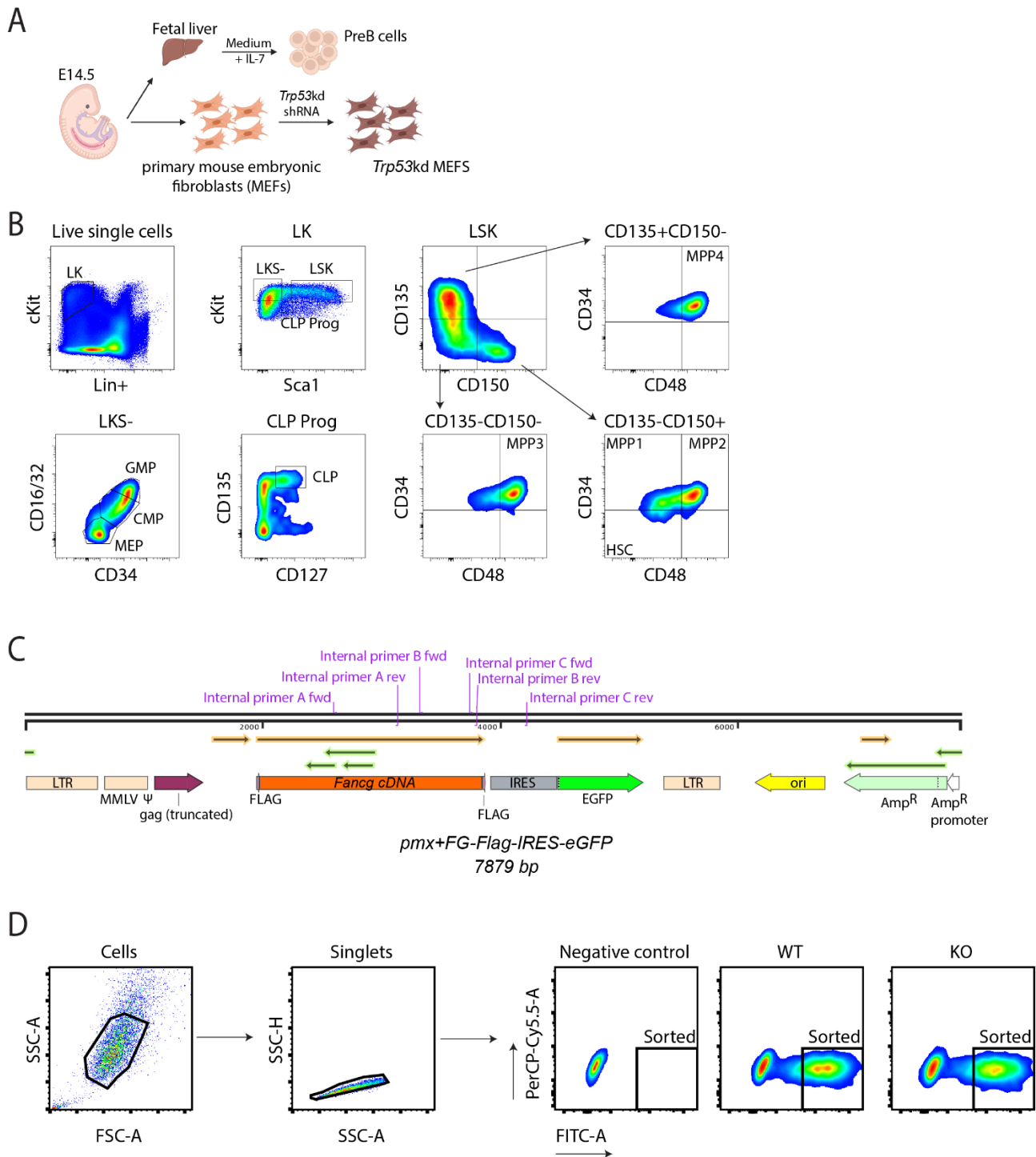


Figure S1. Characterization of the *Fancg*-KO mouse model in vivo and in vitro. **(A)** Strategy to establish PreB cells and MEFs in culture from two independent E14.5 embryos per genotype. Fetal livers were processed to grow PreB cells in the presence of an IL-7 supplemented medium and an irradiated stroma layer. Primary MEFs grown from the rest of the embryo were transduced with a *Trp53*-targeted shRNA to immortalize them in culture [57]. **(B)** Flowcytometry-based gating strategy to identify different hematopoietic subsets. Bone marrows were flushed, erythylzed (see *Materials and Methods*) and stained with a customized cocktail of surface markers and live single cells were used to identify the different subsets. **(C)** Plasmid map illustrating the *Fancg* cDNA flanked by FLAG tags cloned into a pmx-IRES-EGFP retroviral vector and the primers used for the PCRs for stable overexpression of FANCG in cells. **(D)** Flow cytometry plots for WT/KO cells transduced with the FG-gfp construct and strategy used to sort out GFP positive cells as explained in Figure 3F.