Supplementary Figure 1. Characterization of myeloid bone marrow progenitors in Vav-Cre/Jak2V617F murine model. The heterozygous Jak2V617F expressing animals (Jak2w/VF) present increased common (Lin− Sca1− cKIThi CD41− FcgRII/III− CD105− CD150+), megakaryocyte (Lin− Sca1− cKIThi CD41+ CD150+) and erythroid (Lin− Sca1− cKIThi CD41− FcgRII/III− CD105+ CD150+) precursors in the bone marrow (flow cytometry representative analysis).
Supplementary Figure 2. An increase in MEP cells is observed in *Mx1-Cre/Jak2*<sup>w/Vf</sup> regardless of *Bcl2l1* loss. Representative flow cytometry analysis of BM stained with anti-cKit and anti-Sca-1 gated on lineage negative cells (left) and anti-FcγRII/III and anti-CD34 gated on MPP cells (right) of mice indicated. Numbers indicate relative percentage of KSLs (Sca-1<sup>+</sup>cKit<sup>+</sup>) MPPs (Sca-1<sup>-</sup>cKit<sup>+</sup>), CMPs (FcγRII/III<sup>low</sup>CD34<sup>+</sup>) GMPs (FcγRII/III<sup>high</sup>CD34<sup>+</sup>), and MEPs (FcγRII/III<sup>low</sup>CD34<sup>-</sup>) in each indicated region.