

# **Mammalian sterile 20 kinase 1 and 2 are important regulators of hematopoietic stem cells in stress condition**

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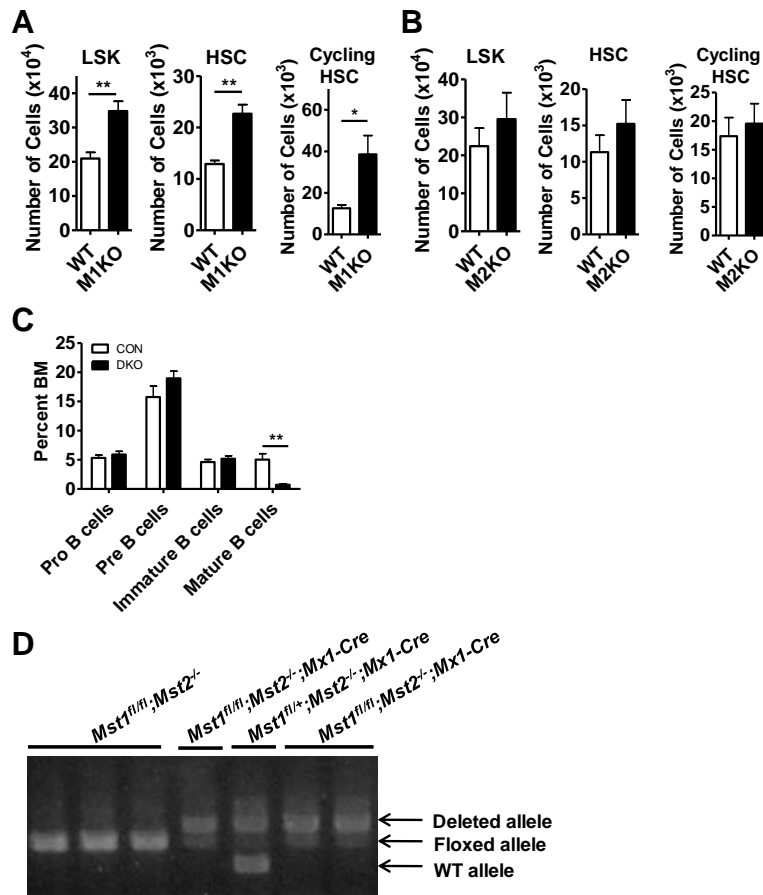
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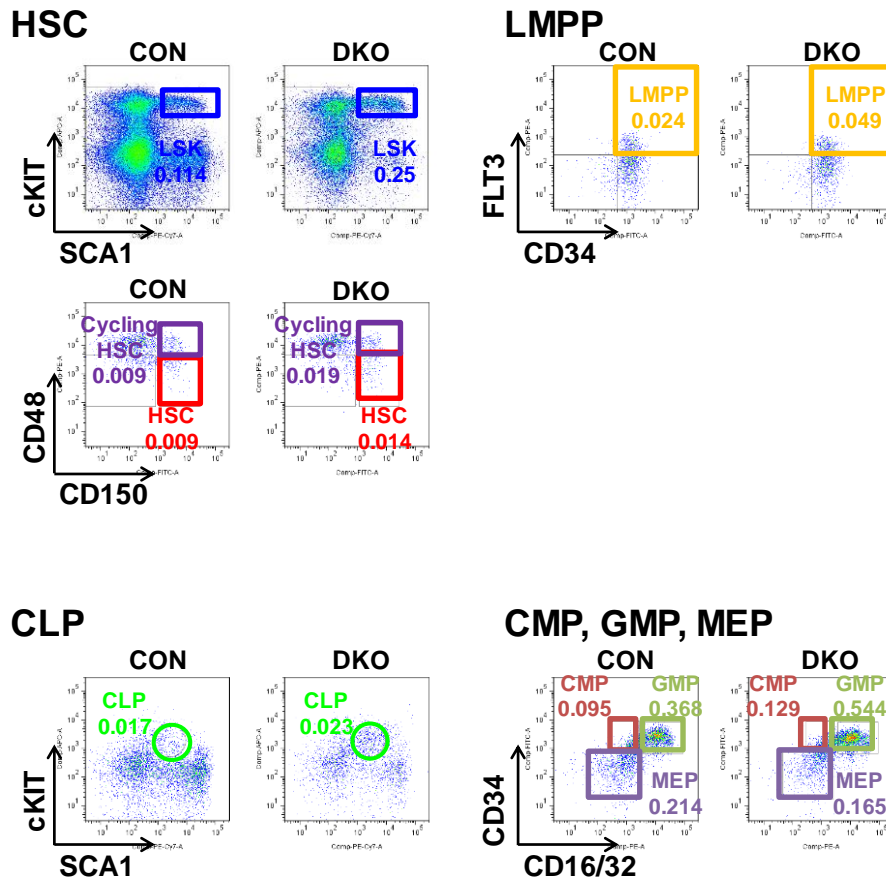
The authors declare that no conflicts of interest exist.

## Supplemental Figure 1



**Figure S1.** The numbers of HSCs in BM of **(A)** *Mst1*-deficient and **(b)** *Mst2*-deficient mice are shown (\* $p \leq 0.05$ , \*\* $p \leq 0.01$ ,  $n = 3-5$ ). **(C)** The frequencies of differential B cell population in the BM are shown from mice of the indicated *Mst1/2* genotypes are shown (\* $p \leq 0.05$ , \*\* $p \leq 0.01$ ,  $n = 4$ ). **(D)** PCR was performed on DNA isolated from PB to assess allele recombination from cells of the indicated genotype.

Supplemental Figure 2



**Figure S2.** Representative FACS plots showing the frequency of LSK, HSC and cycling HSC populations.

Uncropped gel image

Supplementary figure 1D

