

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: DEGs between young WT and young *Mlkl*^{-/-} BM HSCs.

File name: Supplementary Data 2

Description: DEGs between young WT and aged WT BM HSCs.

File name: Supplementary Data 3

Description: DEGs between aged WT and aged *Mlkl*^{-/-} BM HSCs.

File name: Supplementary Data 4

Description: DEGs between young *Mlkl*^{-/-} and aged *Mlkl*^{-/-} BM HSCs.

File name: Supplementary Data 5

Description: DARs between young WT and young *Mlkl*^{-/-} BM HSCs.

File name: Supplementary Data 6

Description: DARs between young WT and aged WT BM HSCs.

File name: Supplementary Data 7

Description: DARs between aged WT and aged *Mlkl*^{-/-} BM HSCs.

File name: Supplementary Data 8

Description: DARs between young *Mlkl*^{-/-} and aged *Mlkl*^{-/-} BM HSCs.