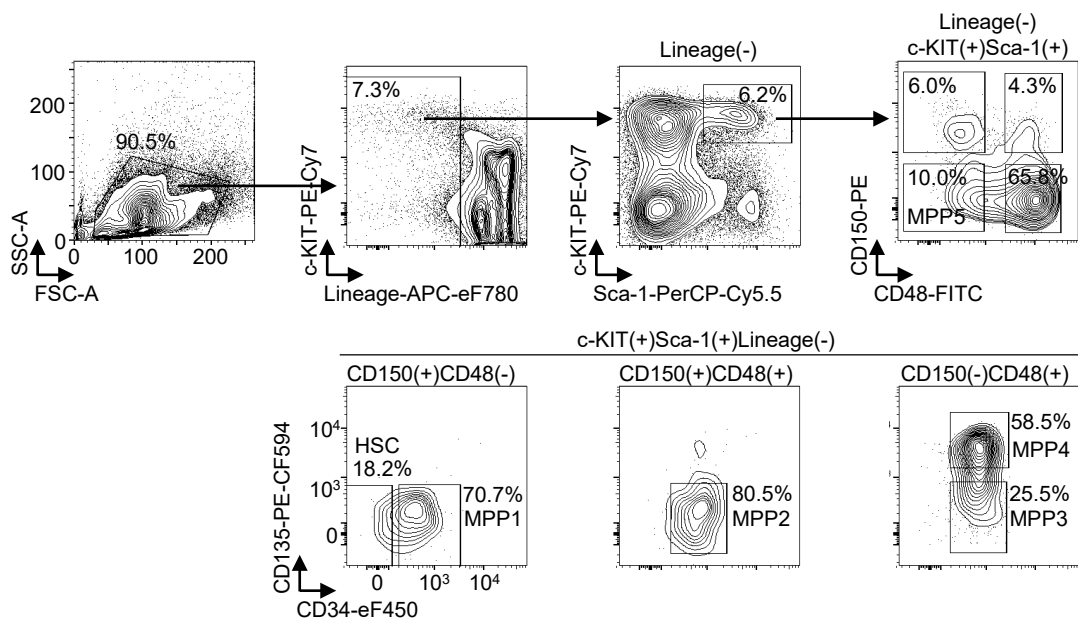


In the format provided by the authors and unedited.

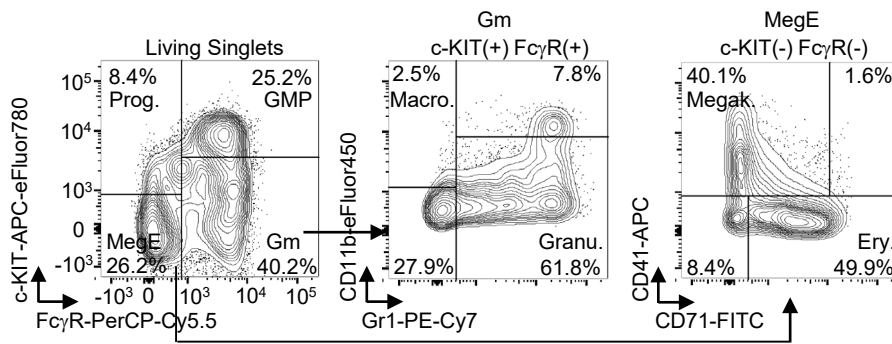
Asymmetric lysosome inheritance predicts activation of haematopoietic stem cells

Dirk Loeffler^{1,2}, Arne Wehling¹, Florin Schneider¹, Yang Zhang¹, Niklas Müller-Böttcher¹, Philipp S. Hoppe^{1,2}, Oliver Hilsenbeck^{1,2}, Konstantinos D. Kokkaliaris^{1,2}, Max Endeke^{1,2} & Timm Schroeder^{1,2*}

¹Department of Biosystems Science and Engineering, ETH Zurich, Basel, Switzerland. ²Research Unit Stem Cell Dynamics, Helmholtz Center Munich - German Research Center for Environmental Health, Neuherberg, Germany. *e-mail: tim.schroeder@bsse.ethz.ch



Supplementary Data Figure 1 | Flow cytometric gating strategy for isolation of HSC and MPP1-5s. Flow cytometric sorting scheme used to isolate HSC and MPP1-5.



Supplementary Data Figure 2 | Flow cytometric gating strategy used in paired daughter cell colony assay. Prog. - Progenitor; GMP - Granulocyte-Monocyte Progenitor; Gm - Granulocyte-Monocyte (myeloid) lineage; MegE - Megakaryocyte-Erythrocyte lineage; Macro. - Macrophage; Granu. - Granulocyte; Megak. - Megakaryocyte; Ery. - Erythrocyte.