

Supplementary Table 1. List of marker genes used in the present study

Cell type	Gene name
HSC/MPP	<i>Ifitm1, Mecom, Hoxa9, Mycn, Hlf</i>
CMP	<i>Mpo, Spi1, Cd34, Prtn3, Ccl9</i>
CLP	<i>Ccr9, Cd7, Notch1, Satb1, Cd79a</i>
MegE	<i>Gata1, Epor, Klf1, Car1</i>
Erythroid cell	<i>Hbb-bs, Hbb-bt, Hba-a2, Ermap, Alad</i>
Megakaryocyte	<i>Vwf, Itga2b, Itgb3, Plek, Pf4</i>
Neutrophil	<i>Gstm1, Elane, Ctsg, Fcnb</i>
Macrophage1	<i>Cd68, Ly86, Fcgr1, Csf1r, Hmox1</i>
Endothelial cell	<i>Lyve1, Kdr, Sox17, Pecam1, Esam</i>
Stromal cell	<i>Pdgfra, Alcam, Col1a2, Mmp2, Ncam1</i>
Macrophage2	<i>Adgre1, Fcgr1, C1qa, Csf1r</i>
Hepatoblast	<i>Afp, Alb, Ttr, IGFBP1, Hnf4a</i>
B cell	<i>Blnk, Pax5, Cd19, Ebf1, Vpreb1</i>
Basophil	<i>Cpa3, Rnase12, Il6, Stx3, Alox15</i>