



**Extended Data Figure 3 | Analysis of residual HSB activity after Dox withdrawal.** **a**, Experimental design. Residual HSB activity after Dox removal was assayed by transplantation into CD45.1 mice. Sub-lethally irradiated recipients were treated with Dox for 48 h. Dox was removed 12 h before transplantation. Ten million whole bone marrow cells were transplanted and mice were allowed to recover for 2 weeks. As a positive

control, mice were continuously treated with Dox until 48 h after transplant. As a negative control, cells were transplanted into non-Dox treated mice. DsRed labelling was analysed as a proxy for HSB activity in granulocytes, erythroblasts, monocytes, and B cells. **b**, FACS plots showing the negligible labelling of CD45.2 M2/HSB/Tn cells in transplanted recipients 24 h after Dox removal.