Supplementary Figure 1

A

H-2K promoter  ER-LBD  H-2K Mo-LTR

Western blot

RT-PCR

B

non-Tg littermate

ER-Tg

Control  4-HT  Control  4-HT

HSC  ER-LBD

CLP  α-tubulin

CMP  GMP  MEP

Sca-1

CD34
Supplementary Figure 1  4-HT does not induce myeloid conversion in control mice.
(A) Generation of H-2K-ER transgenic (ER-Tg) mice. Construction of H-2K-ER transgene is shown schematically. Expression of ER-LBD protein and mRNA in various tissues are shown. Asterisks indicate non-specific bands. (B) Treatment of control mice with 4-HT does not induce myeloid conversion of various hematopoietic progenitors/ stem cells. Control non-Tg littermate (C57BL/6) and ER-Tg mice were treated with 4-HT by intraperitoneal injection. Four weeks later, mice were sacrificed and the bone marrow cells were analyzed for various progenitor/ stem cell fraction (HSC, CLP, CMP/GMP/MEP) by flow cytometry. Non-treated animals served as controls. Percentages of each progenitor against the gated parental cell population are shown in the figure. No notable differences between control and 4-HT are seen.