Supplementary Figure 3

A

V-D-J

\[ V_D^1, V_D^2, V_D^3, V_D^4, V_J^1, V_J^2, V_J^3, V_J^4, \]

\[ a: CD11b^+B220^-, b: CD11b^+B220^+, c: CD11b^+B220^+ \]

D-I

\[ D_I^1, D_I^2, D_I^3, D_I^4, \]

\[ Germline \]

\[ a: CD11b^+B220^-, b: CD11b^+B220^+, c: CD11b^+B220^+ \]

κ-chain

\[ \kappa^1, \kappa^2 \]

B

TCRβ

\[ d: CD11b^+CD3^-, e: CD11b^+CD3^+, f: CD11b^+CD3^+ \]

\[ Germline \]

\[ a: CD11b^+B220^-, b: CD11b^+B220^+, c: CD11b^+B220^+ \]
Supplementary Figure 3 Rearrangements of immunoglobulin and T-cell receptor genes in transdifferentiating lymphoid progenitors.

Bone marrow mononuclear cells (BMMNCs) were isolated from C/EBPα-ER Tg mice treated with intraperitoneal injection of 4-HT for two weeks and the transdifferentiating lymphoid progenitors were analyzed for rearrangements of immunoglobulin or T-cell receptor genes by PCR as described in Materials and Methods. (A) CD11b⁺B220⁺, CD11b⁺B220⁻, CD11b⁻B220⁻ fractions were sorted by FACS and analyzed for rearrangements of immunoglobulin heavy chain V-D-J or D-J and kappa light chain V-J genes. Arrows indicate PCR bands amplified from each rearranged locus. Pictures of the cells from each fraction are shown (cytospin preparation stained with Wright-Giemsa solution, original magnification x1000). (B) CD11b⁺CD3⁻, CD11b⁺CD3⁺, CD11b⁻CD3⁺ fractions were sorted by FACS and analyzed for rearrangements of T-cell receptor β genes. Asterisk indicate PCR bands amplified from each rearranged locus. Pictures of the cells from each fraction are shown (cytospin preparation stained with Wright-Giemsa solution, original magnification x1000).