



SUPPLEMENTARY FIGURE 1

Quantitative PCR showing the expression of *Tshβ* in FACS-sorted CD11b⁺ and CD11b⁻ cells isolated from bone marrow (A), as well as in whole bone marrow isolated from wild type mice on thyroid chow (TH-on), or off thyroid chow (TH-off) for 1 or 2 weeks. *Tshβ* expression is primarily restricted to the CD11b⁺ population, and is positively regulated by thyroid hormone, so that decreasing serum T₄ levels in TH-off mice are associated with decreased *Tshβ* expression. *p<0.05 with respect to CD11b⁻ cells; **p<0.01 with respect to TH-on.

Supplementary Table 1**Implantation of 5 mg sustained release T₄ pellets (TH) induce hyperthyroidism**

		+1 day	+21 days	
		0 mg	0 mg	5 mg
Tshr^{+/+}	T₄	0.6 ± 0.1	0.6 ± 0.4	13.2 ± 1.7
	TSH	2.17 ± 0.6	6.29 ± 2.3	<0.4
Tshr^{-/-}	T₄	0.4 ± 0.1	0.6 ± 0.1	11.2 ± 1.1
	TSH	13.2 ± 2.5	14.1 ± 0.7	<0.4

Shown are serum T₄ (µg/dL) and TSH (ng/mL) levels, measured in Tshr^{+/+} and Tshr^{-/-} mice after 14 days of being rendered hypothyroid by feeding with methimazole (+1 day), and 21 days after implantation with 0 mg (placebo) or 5 mg T₄ pellets (+21 day). Normal serum ranges: T₄: 3.0 - 5.0 (µg/dL); TSH: 0.084 ± 0.02 (ng/mL)