

**Table S1:** Repopulation of myeloid cells in the peripheral blood of transplanted mice. Percentage of CD45.1<sup>+</sup> myeloid cells and CD45.2<sup>+</sup> myeloid cells on the total amount myeloid cells in the peripheral blood shows a repopulation efficiency of over 99%. BM: bone marrow, WT: wild-type.

Condition	CD45.1 <sup>+</sup> myeloid cells (%)	CD45.2 <sup>+</sup> myeloid cells (%)
WT + WT BM	99,64±0,09	0,36±0,09
<i>Mmp2</i> <sup>-/-</sup> + <i>Mmp2</i> <sup>-/-</sup> BM	0,008±0,004	99,99±0,004
WT + <i>Mmp2</i> <sup>-/-</sup> BM	99,77±0,11	0.23±0,11
<i>Mmp2</i> <sup>-/-</sup> + WT BM	0,45±0,13	99,56±0,13

**Table S2:** Primer sequences using SYBR green assays and the optimized annealing temperatures for qRT-PCR of the different genes.

Gene	Forward primer	Reverse primer	Annealing temperature (°C)
<b>Ywhaz</b>	CTGACCTACAATGCCTCCATC	CATCCTGCTGCCATTGCTTA	60
<b>Top1</b>	CGTACCTACAATGCCTCCATC	AGAATTGCAACAGCTCGATTG	60
<b>TNF</b>	ACCCTGGTATGAGCCCATATAC	ACACCCATTCCCTTCACAGAG	56
<b>IL1b</b>	CTCTTGTTGATGTGCTGCTG	GACCTGTTCTTTGAAGTTGACG	54
<b>IFN<math>\gamma</math></b>	CCAGGCAGCGTGTCCT	GTACCTACAATGCCTCCATC	58
<b>IL10</b>	AGGAACTCAAGCGGGATATG	GAGGCTAGATACTGCTCGAT	60
<b>Ym1</b>	CAAGTCAAATTCAGAGCATACTTCG	TGAGCTTCAGACTTCGGTGAA	60
<b>iNOS</b>	GCGACTGGTGGGAGTTTTG	AGCACCTCTTCTTGTCCTGTTG	60
<b>IL6</b>	GCTACACTGGCTACACTCTT	TCGCCAAGGAGACTCTTTAC	60
<b>CNTF</b>	TGGCTAGCAAGGAAGATTCGTT	CCCATAATGGCTCTCATGTGC	60
<b>MMP2</b>	AACTACGATGATGACCGGAAGTG	TGGCATGGCCGAACTCA	60
<b>GAP43</b>	CCACTGATAACTCCCCGTCC	CTCGGGGTCTTCTTTACCCT	60