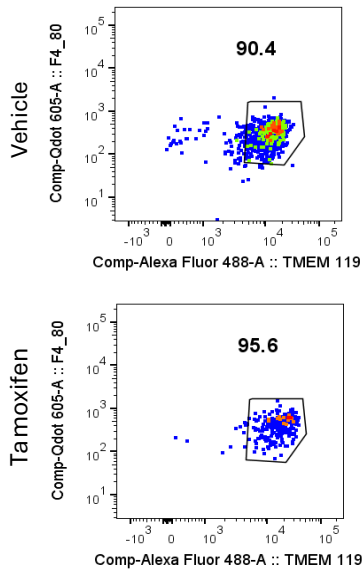
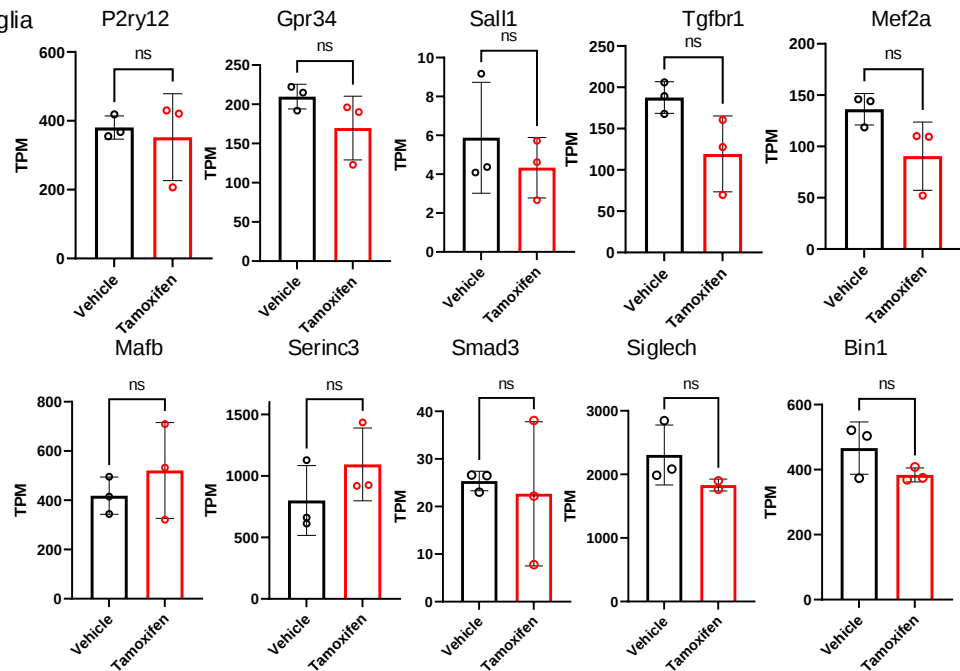


A Microglia sorting gate

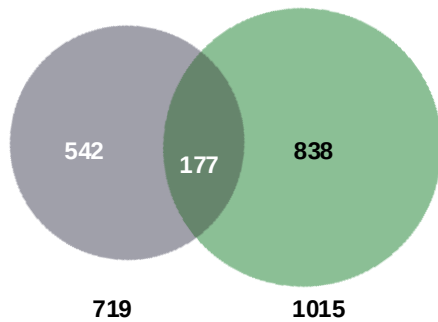
CD45^{low} CD11b⁺F4/80⁺TMEM119⁺ microglia



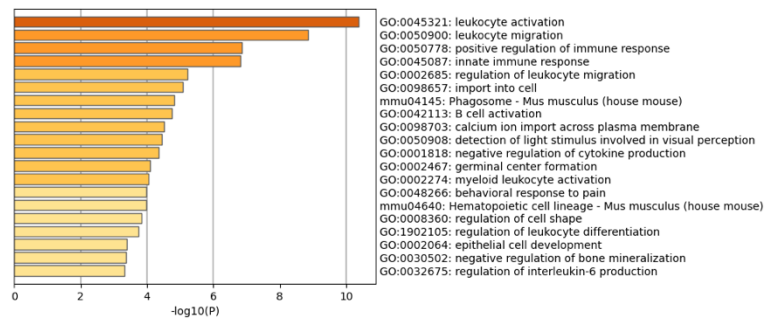
B Expression of homeostatic genes in Naïve microglia



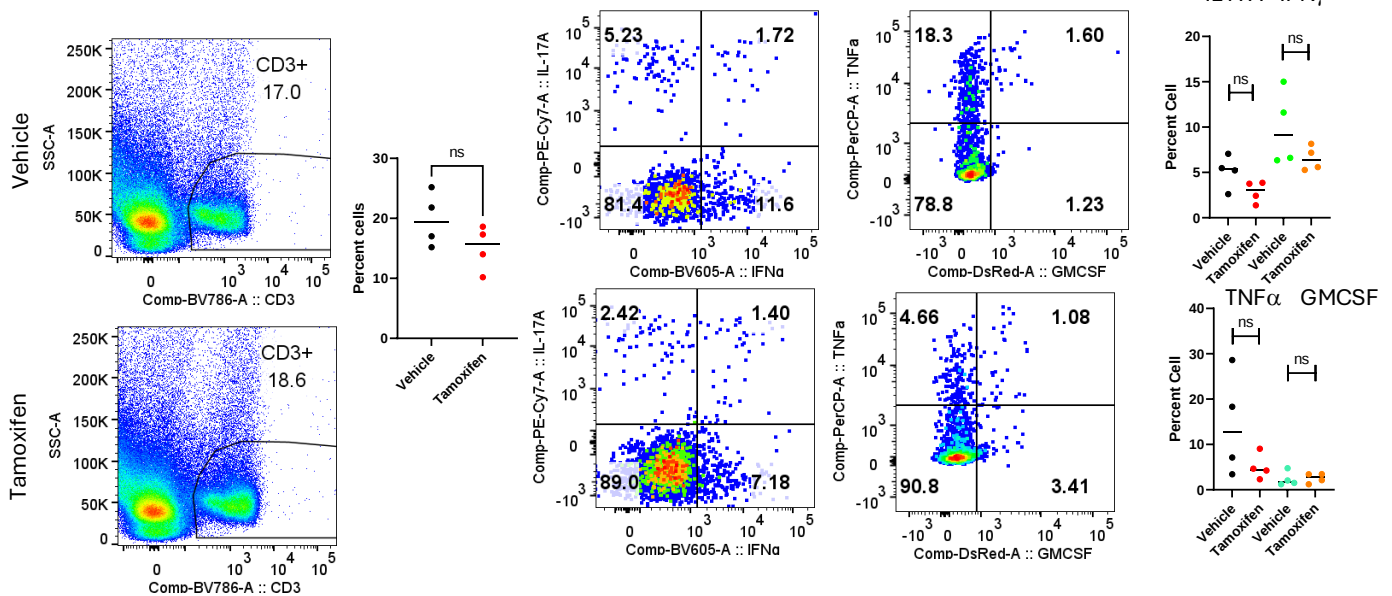
C Down genes: Brd4 KO microglia fold change > 2 and $P < 0.05$



D GO: Naïve/MOG common down genes (177)



E T cells from spleen



Supplemental Figure 2 (A) Microglia sorting strategy (B)

Quantification of relative TPM values of representative homeostatic genes from Naïve microglia. Significance of differences were determined by unpaired t-test with Welch's correction. (C) Venn diagram comparing down regulated genes from Naïve and MOG immunized microglia. (D) GO analysis of 177 down regulated genes common to naïve and MOG immunized microglia. (E) Flow cytometric analysis of peripheral T cells from spleen of MOG immunized mice. (right) Quantification of T cell percentages expressing IL17a, IFN γ , TNF α and GM-CSF are not statistically different among vehicle and Tamoxifen treated samples.