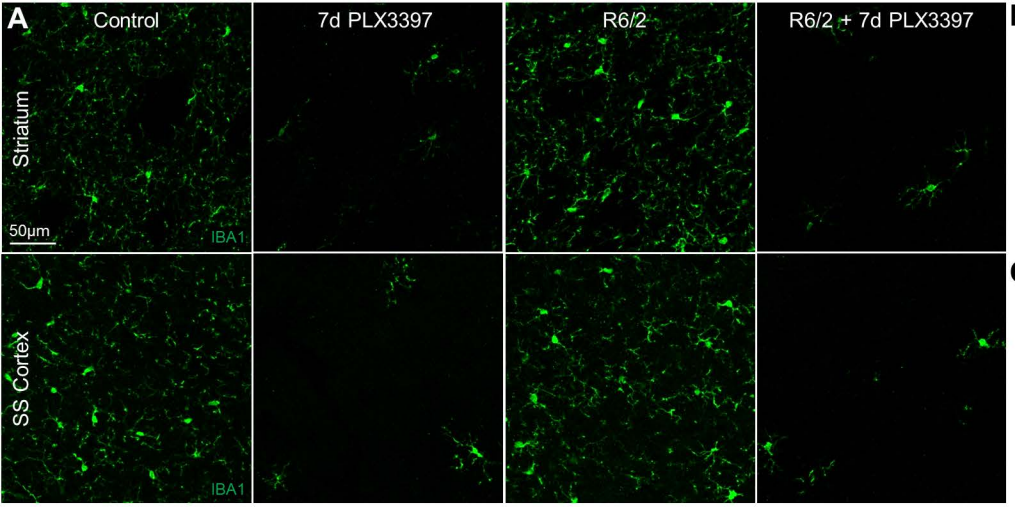
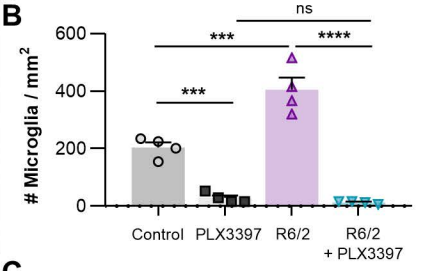
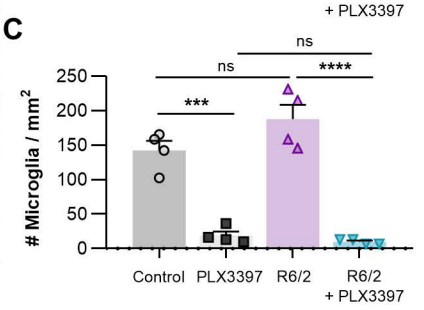
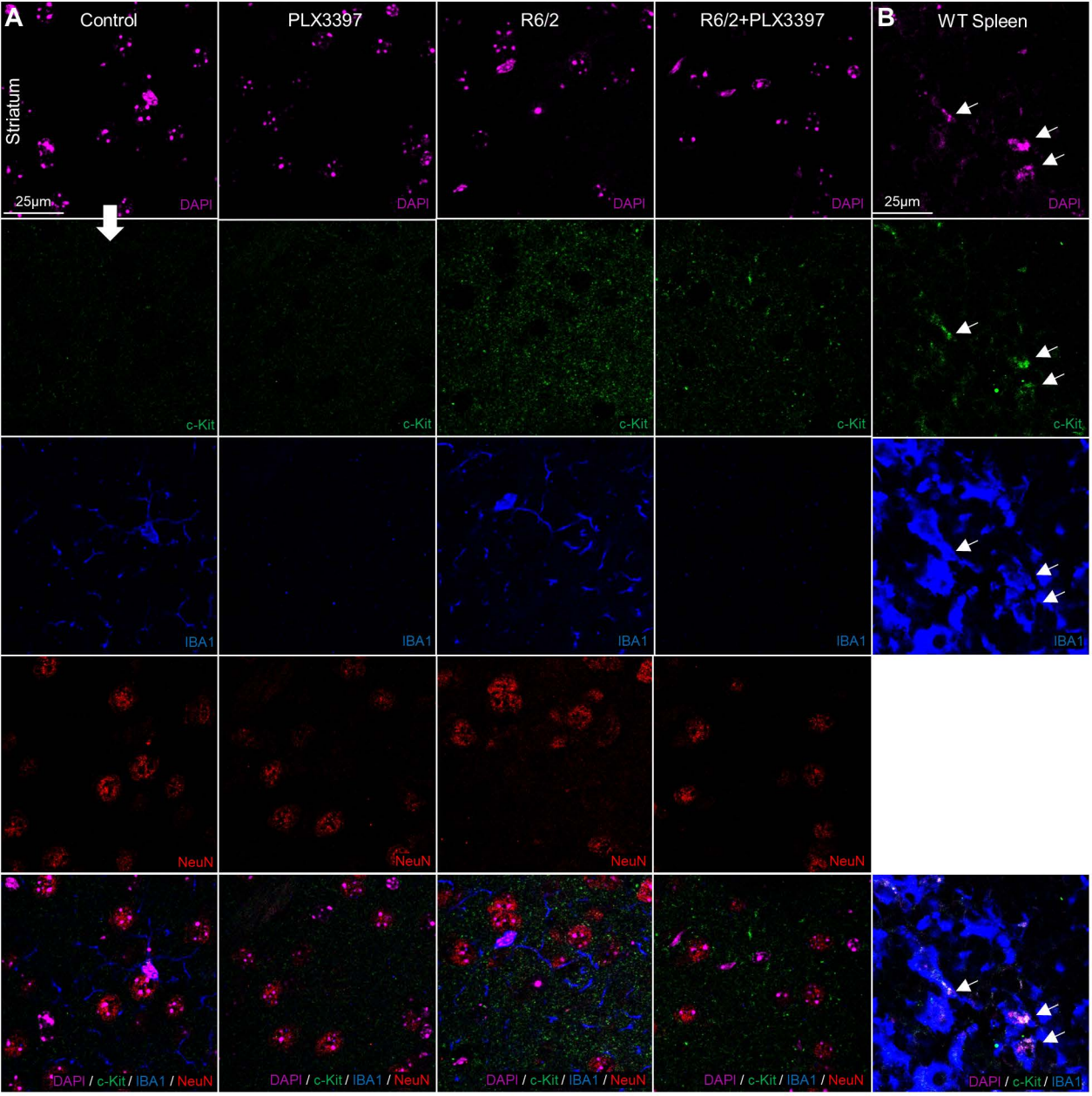






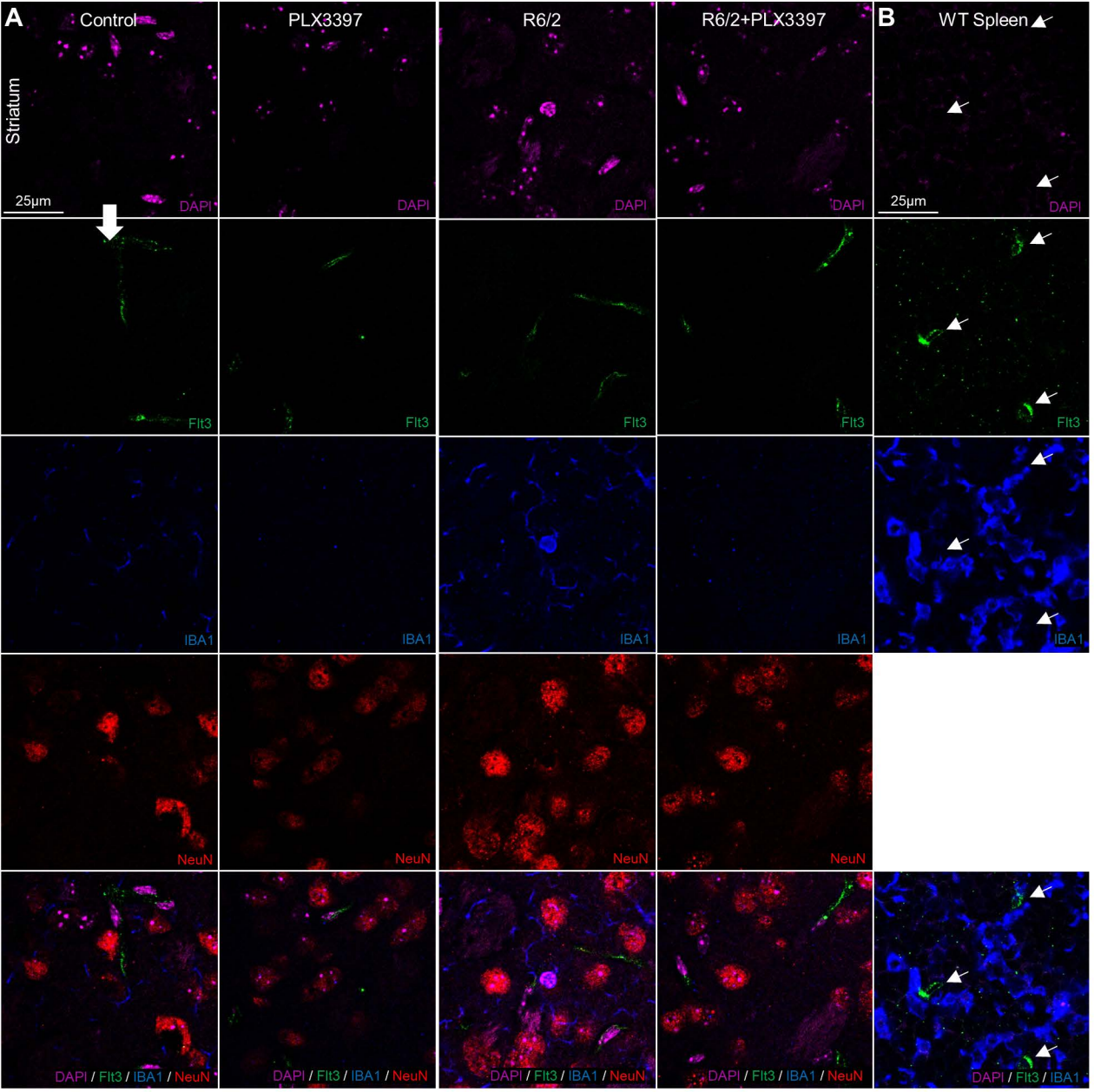
Supplemental Figure 1

Supplementary Figure 1: 7 days of 275mg/kg PLX3397 significantly reduces elevated IBA1$^+$ microglia numbers in 6-week-old R6/2 mice. A. Representative 20X images of striatal/cortical IBA1$^+$ microglia from 6-week-old R6/2 or nontransgenic mice treated with vehicle or 275mg/kg PLX3397 for 7 days. **B-C.** Quantification of microglia revealed significantly increased densities in the R6/2 striatum at 7 weeks ($p<0.001$) and confirm significant and comparable depletion with 7d 275 mg/kg PLX3397 compared to vehicle-treated controls in R6/2 ($p<0.0001$, $p<0.0001$) and NT ($p<0.001$, $p<0.001$) striatum/somatosensory cortex (two-way ANOVA with Tukey's post-hoc test; n=4/group). Statistical significance is denoted by * $p<0.05$, ** $p<0.01$, *** $p<0.001$, **** $p<0.0001$. Error bars indicate SEM.



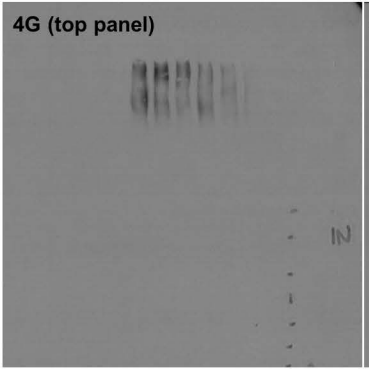
Supplemental Figure 2

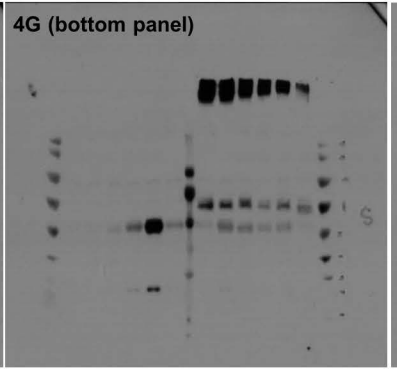
Supplementary Figure 2: c-Kit is not expressed by neurons or microglia in R6/2 or nontransgenic brains. A. Representative 63X images confirming absence of neuronal or microglial c-Kit expression in vehicle- or PLX3397-treated R6/2 or nontransgenic striatum at 11 weeks. **B.** Representative 63X image of c-Kit^{+}IBA1^{+} cells in adult wild-type spleen.

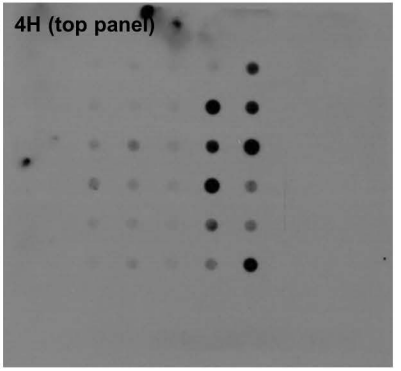


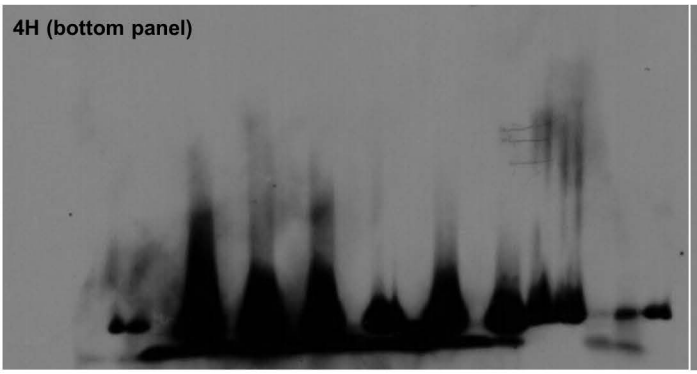
Supplemental Figure 3

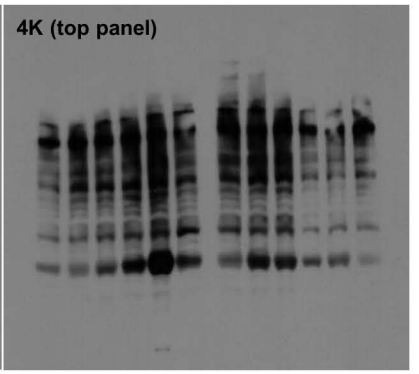
Supplementary Figure 3. Flt3 is not expressed by neurons or microglia in R6/2 or nontransgenic brains. A. Representative 63X images confirming absence of neuronal or microglial Flt3 expression in vehicle- or PLX3397-treated R6/2 or nontransgenic striatum at 11 weeks. **B.** Representative 63X images of $Flt3^{+}$ cells in adult wild-type spleen.

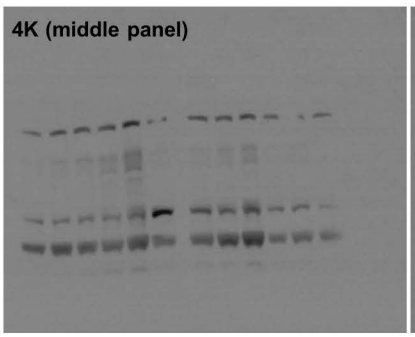


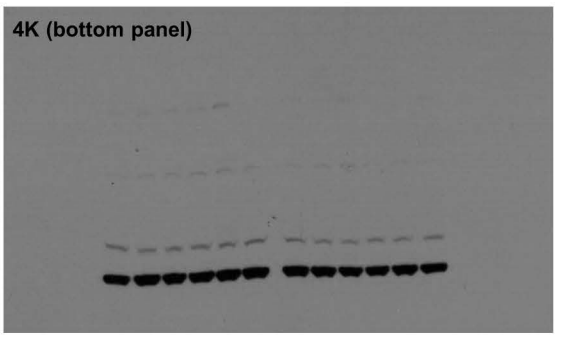












Supplemental Figure 4

Supplementary Fig 4: Uncropped gels