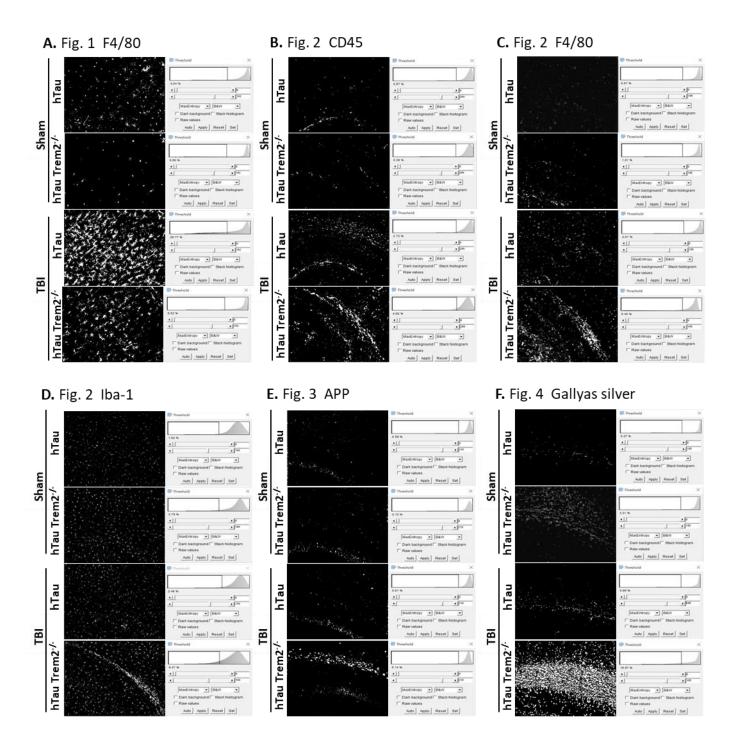
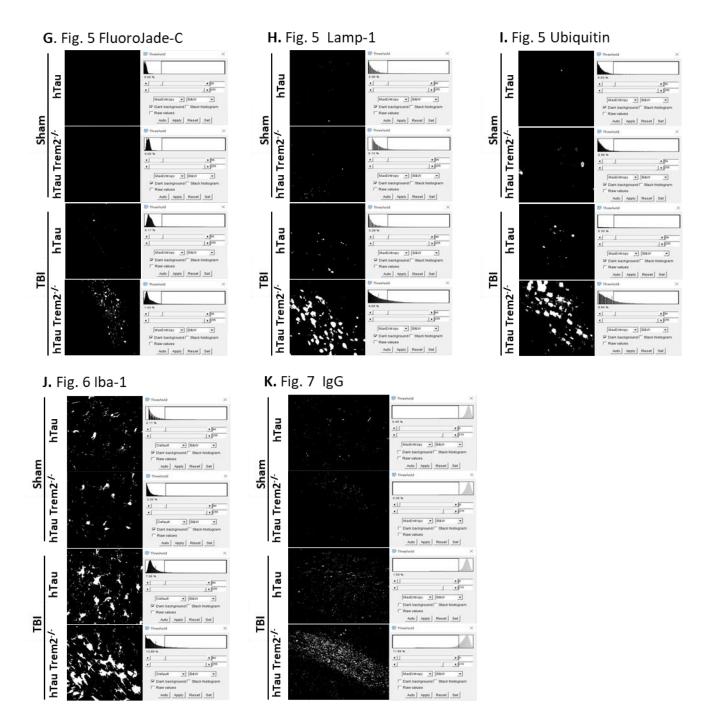
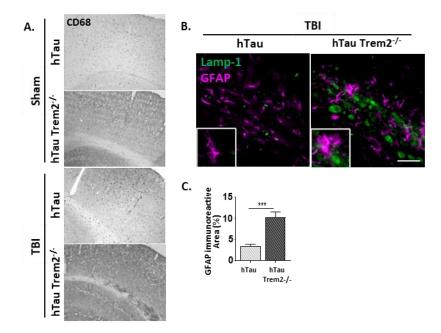
Supplementary Figures





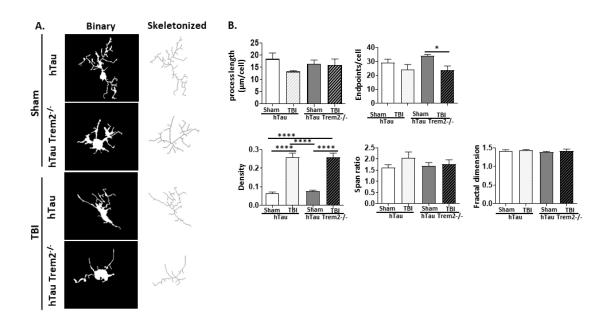
Supplementary Figure 1.

(A-K) The threshold used for the quantification of each immunoreactivity. Representative images of the pixel intensity histograms are shown.



Supplementary Figure 2.

Htau; $Trem2^{-/-}$ TBI mice showed enhanced Iba1, CD45, and F4/80 in the white matter tract near the lesion at 120 DPI. Representative CD68 (A) and GFAP (B) staining intensity in TBI of hTau and hTau $Trem2^{-/-}$ mice in the white matter tract near lesion site. (C) Quantification of percent area covered by GFAP. n=5 mice per group. Error bars indicate SEM; ***p<0.0005. Scale bar 50 μ m.



Supplementary Figure 3.

Microglia/macrophage morphological changes in hTau TBI mice and hTau; $Trem2^{-/-}$ TBI mice. (A) Representative binary and skeletonized images of microglia/macrophages in the white matter tract near the lesion from each group. Randomly selected Iba-1+ cells (20/group) were isolated, thresholded, and skeletonized. (B) Quantitative analysis of ramification (process length and endpoint), cell size (density), cell shape (span ratio), and cell complexity (fractal dimension). n=6 mice per group. Error bars indicate SEM; *p < 0.05, ****p < 0.0001.