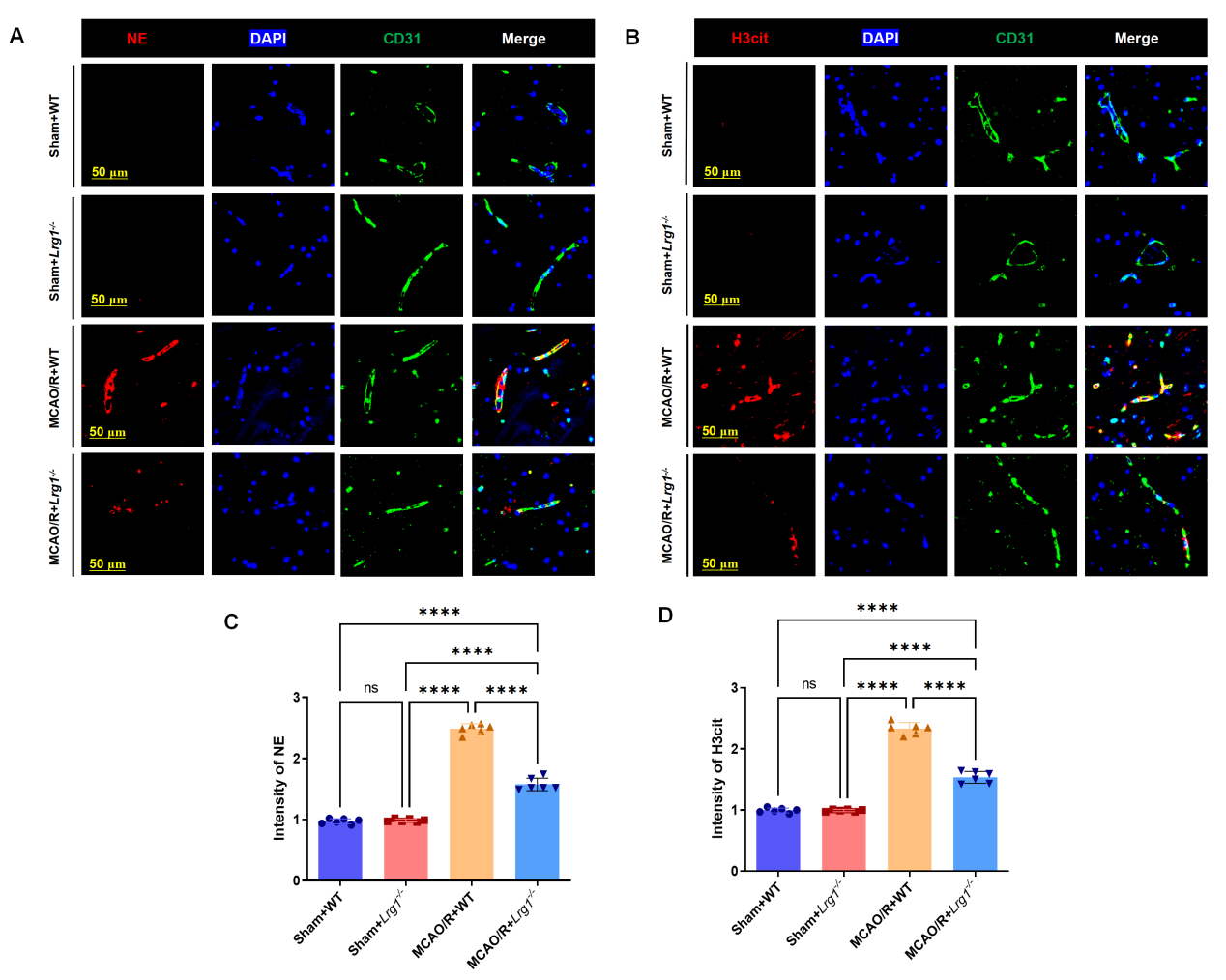
**Supplementary Figures:**



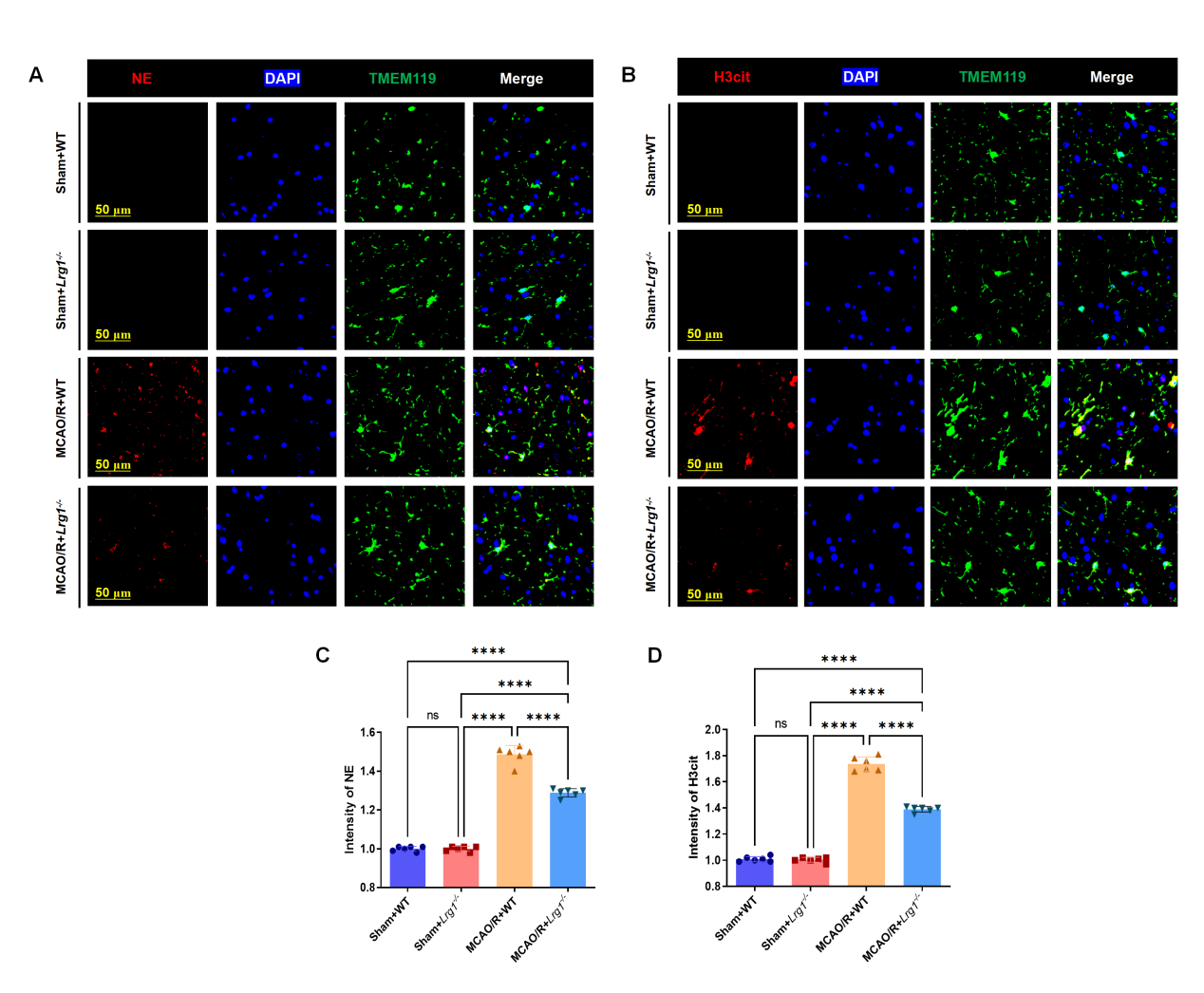
**Figure S1: *Lrg1* knockout affects neutrophil extracellular trap formation following cerebral ischemia-reperfusion**

A. Microscopic images depicting NE neutrophils (red) and CD31 vessels (green) in brain tissues of various groups. Scale bar=50 μm.

B. Microscopic images depicting H3cit neutrophils (red) and CD31 vessels (green) in brain tissues of various groups. Scale bar=50 μm.

C. Error bar graph depicting NE quantification. Data are presented as mean±SD, n=6. n.s.: no significance and \*\*\*\**p*< 0.0001.

D. Error bar graph depicting H3cit quantification. Data are presented as mean±SD, n=6. n.s.: no significance and \*\*\*\**p*< 0.0001.



**Figure S2: *Lrg1* knockout affects microglia-neutrophil interactions following cerebral ischemia-reperfusion**

A. Microscopic images depicting NE neutrophils (red) and TMEM119 (green) in brain tissues of various groups. Scale bar=50 μm.

B. Microscopic images showcasing H3cit neutrophils (red) alongside TMEM119 (green) in brain tissues of various groups. Scale bar=50 μm.

C. Error bar graph depicting NE quantification. Data are presented as mean±SD, n=6. n.s.: no significance and \*\*\*\**p*< 0.0001.

D. Error bar graph depicting H3cit quantification. Data are presented as mean±SD, n=6. n.s.: no significance and \*\*\*\**p*< 0.0001.

**Table S1: Detailed data presentes expression of top 10 DEGs in neutrophil subclusters**