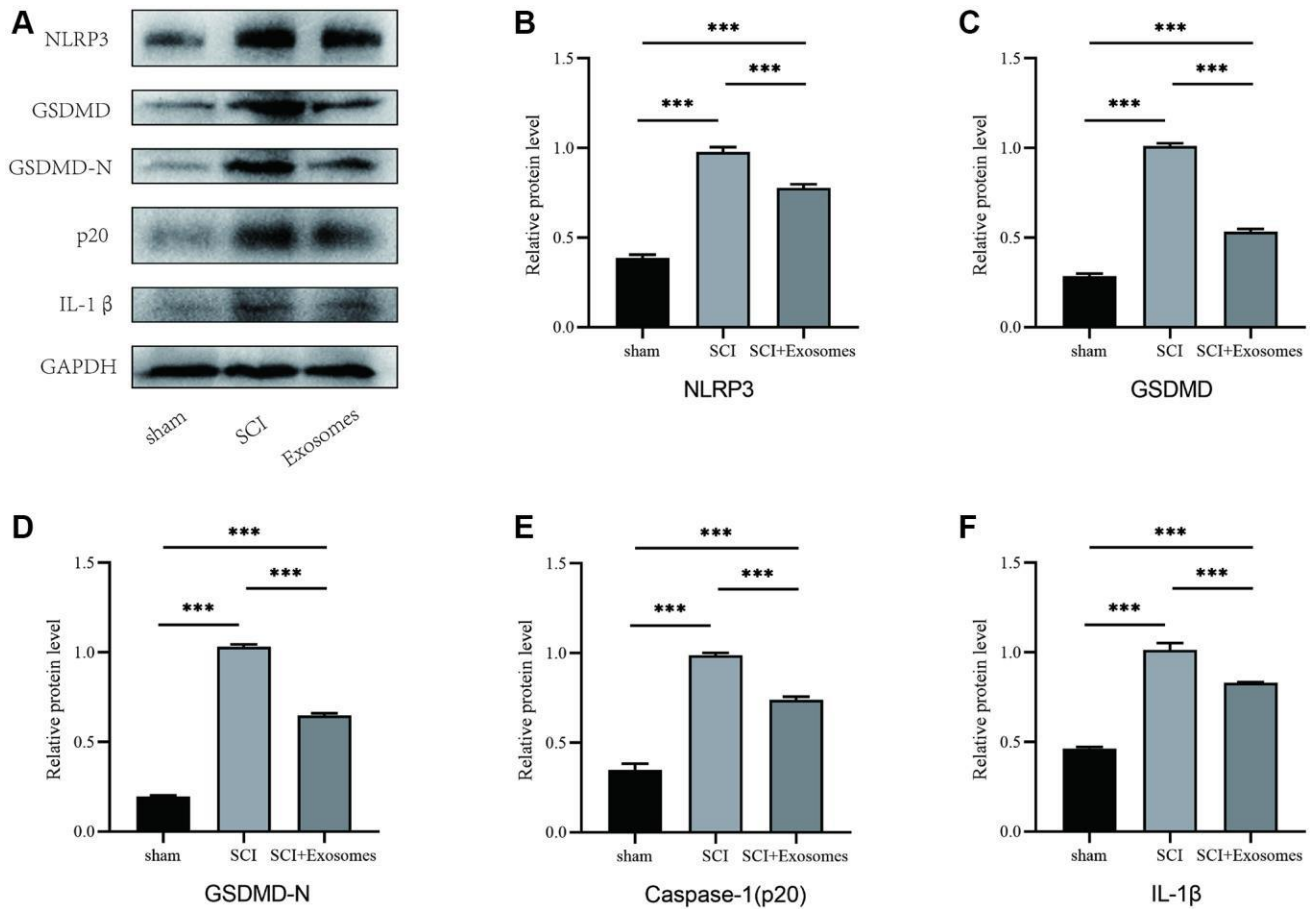
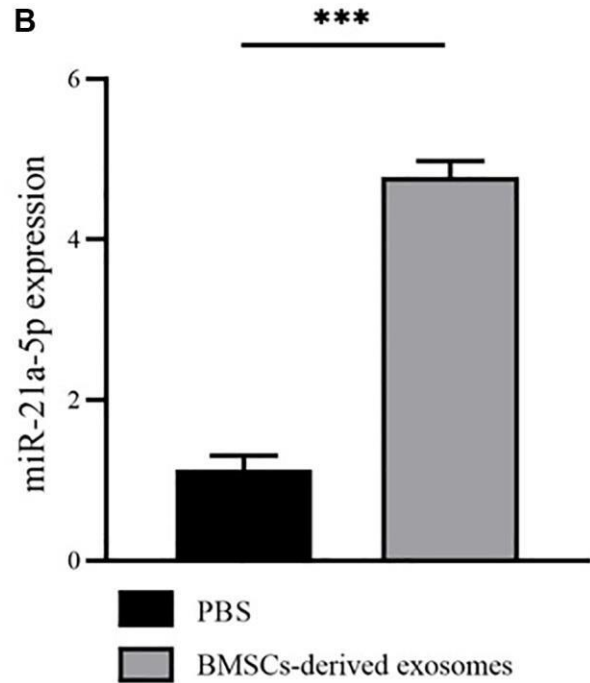
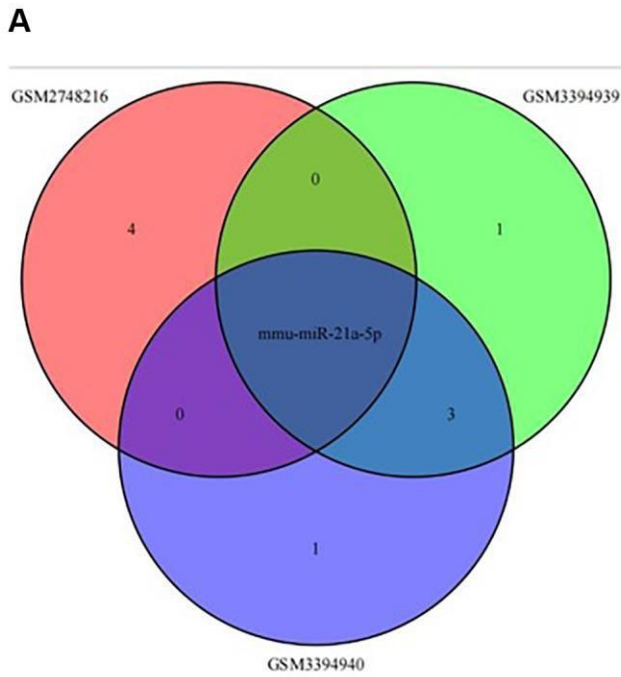


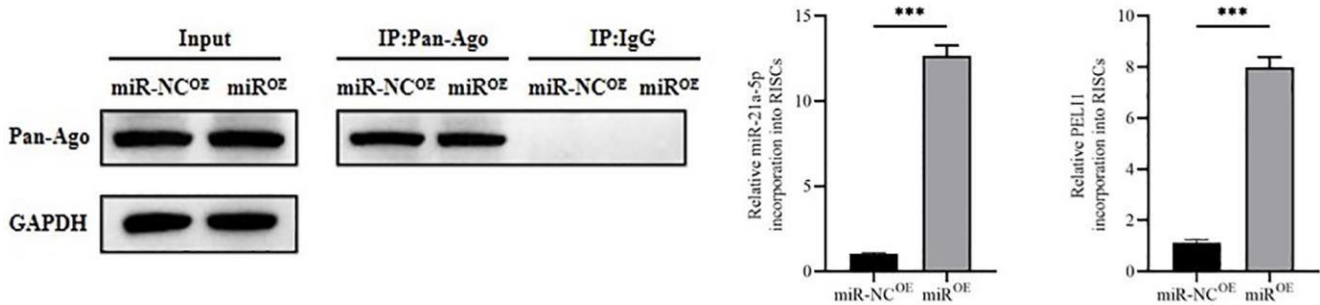
SUPPLEMENTARY FIGURES



Supplementary Figure 1. (A–F) Western blot detection and quantitative analysis of NLRP3, GSDMD, GSDMD-N, Caspase-1 (p20), and IL-1 β proteins in spinal cord tissue on the 7th day after injury (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$).



Supplementary Figure 2. (A) Bioinformatics analysis demonstrated miR-21a-5p is highly expressed in BMSCs-derived exosomes; (B) The result of RT-qPCR showed miR-21a-5p in BV2 cells pretreated with BMSCs-derived exosomes was significantly increased ($*p < 0.05$, $**p < 0.01$, $***p < 0.001$).



Supplementary Figure 3. Immunoprecipitation of the Ago2/RISC (RNA-induced silencing complex) using the Pan-Ago2 antibody in BV2 microglia overexpressing miR-NC or miR-21a-5p. IgG was used as a negative control, and GAPDH was used as an internal control ($*p < 0.05$, $**p < 0.01$, $***p < 0.001$).