

**Intestinal Piezo1 aggravates intestinal barrier dysfunction during sepsis by mediating
Ca²⁺ influx**

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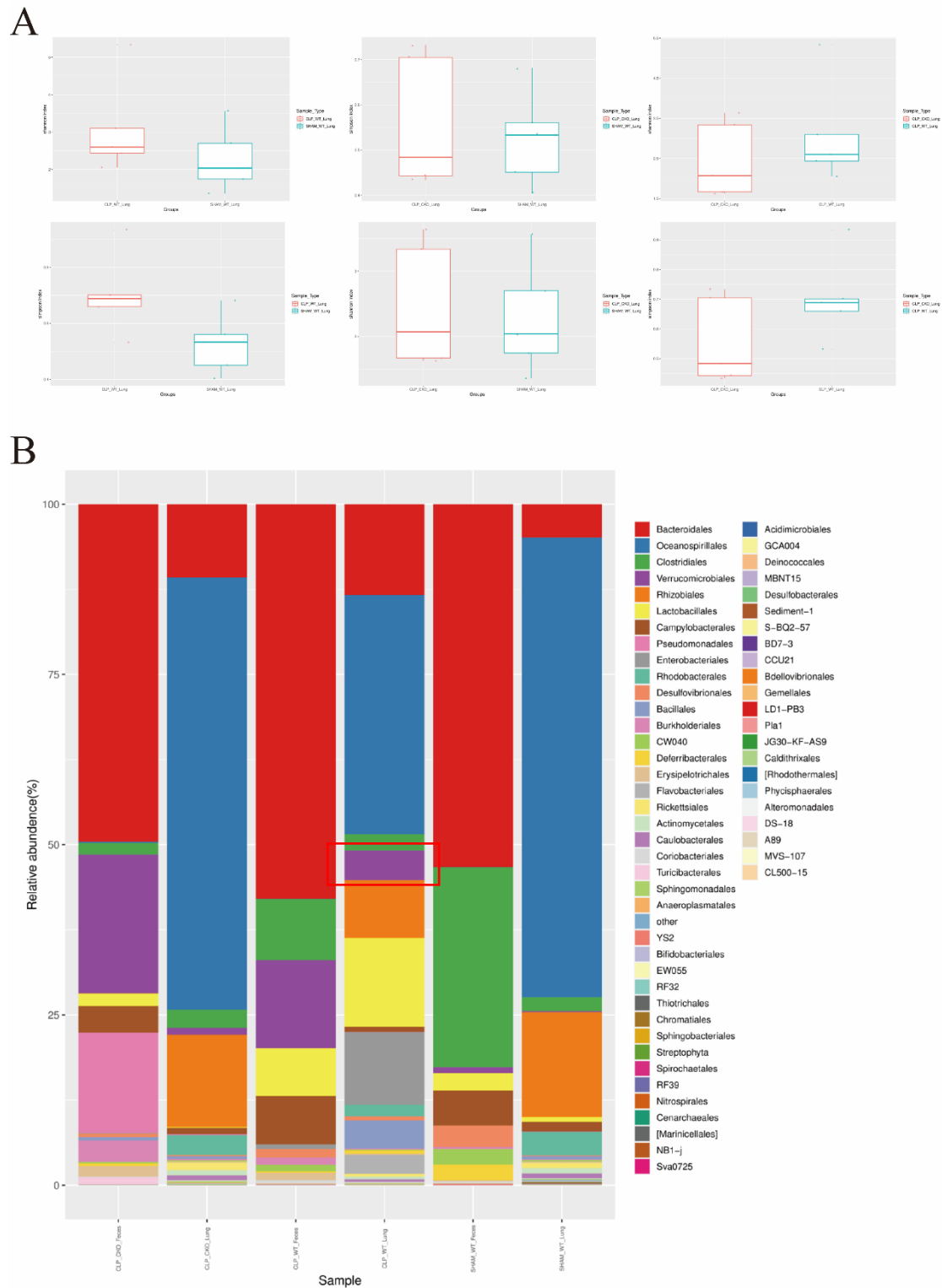


Fig.S1 The changes of microbiota in mice with or without CLP. (A). The α diversity of the pulmonary microbiota in mouse lung tissue (n = 5 for each group). (B). Taxonomic compositions of samples at Order level in mice feces and lung tissue (n = 5 for each group).

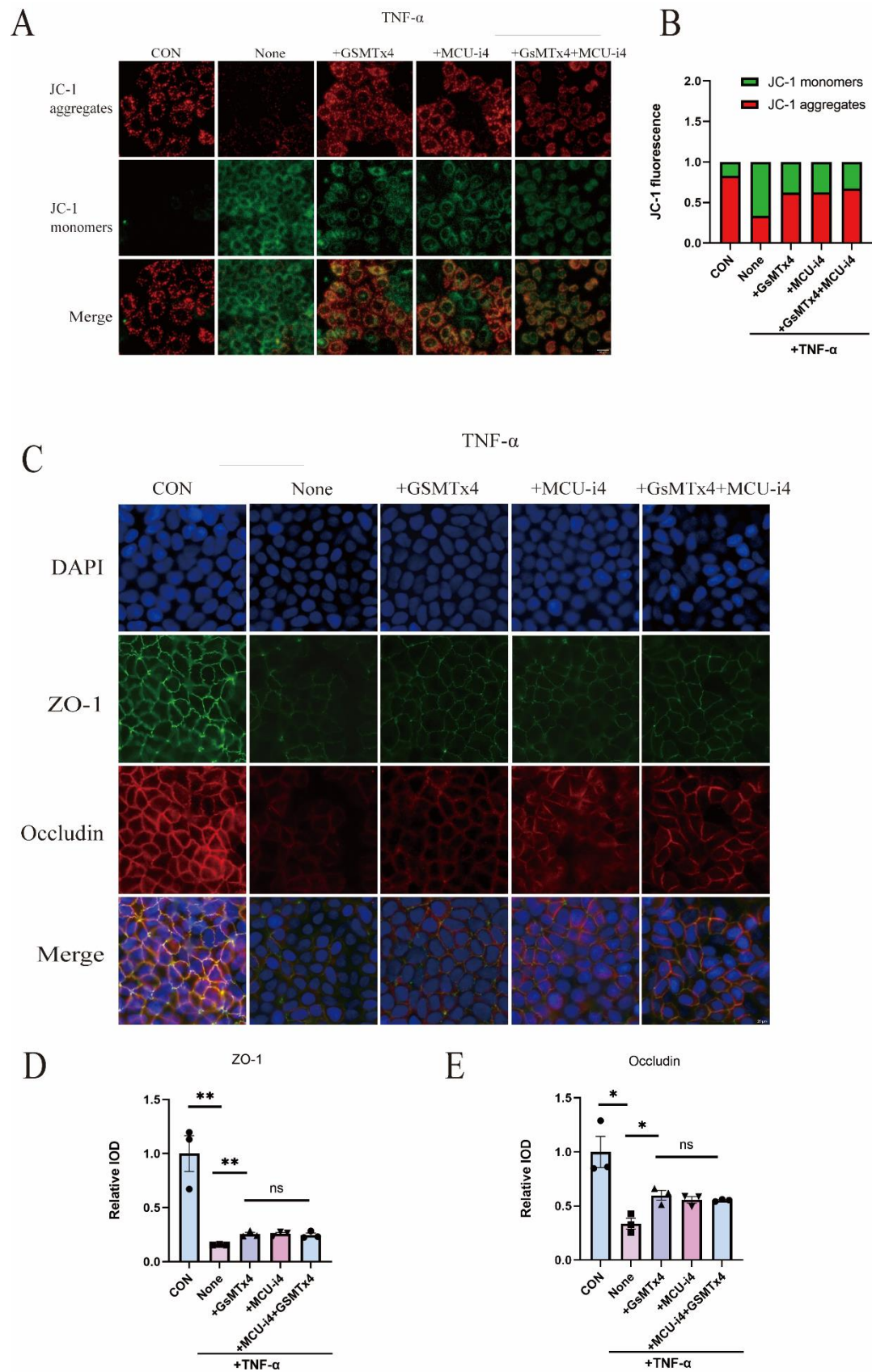


Fig.2s Effect of MCU-i4 on Mitochondrial Dysfunction and Tight Junctions. (A-B). Mitochondrial membrane potential were measured by JC-1 probes, the relative IOD ratio quantitative analysis

was performed using the ratio of red to green fluorescence. (n = 3 for each group). Scale bar, 50 μ m. (C-E). Immunofluorescence analysis of ZO1 and Occludin in Caco-2 cell monolayers, and quantification of immunofluorescence analysis (n = 3 for each group). Scale bar, 20 μ m.