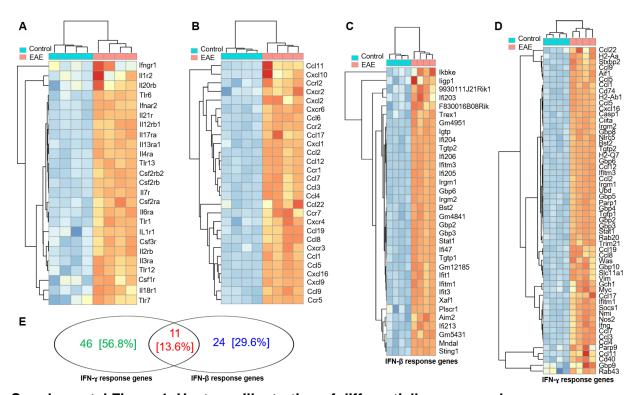
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## **Supplemental Figure 1. Heatmap illustration of differentially expressed genes** Spinal cords from Oligo2-Cre RiboTag EAE mice at disease onset and naïve control mice were homogenized, and mRNA was isolated via immunoprecipitation with anti-HA antibodies targeting ribosomes. The purified mRNAs underwent RNA-Seq using an Illumina NovaSeq sequencer, and the resulting data were analyzed. The heatmap depicts differentially expressed

genes categorized as follows:

- A) Cytokine receptors and Toll-like receptors (TIrs).
- B) Chemokine and chemokine receptors.
- C) IFN-β response genes.
- D) IFN-y response genes. Within the GO biological process category (Panel A-D).
- E) Venn diagram of IFN- $\gamma$  and IFN- $\beta$  response genes. n = 4/group. Related to Figure 2.