Diagram, engineering drawing

Description automatically generated

Figure 1 showing volcano plots for DEA between a) Plaque and away regions for microglia in NLF mice b) Peri-plaque and away regions for astrocytes in NLF mice c) Plaque and away regions for microglia in NLFTrem2 mice d) Peri-plaque and away regions for astrocytes in NLFTrem2 mice.

Chart, box and whisker chart

Description automatically generated

(Figure 2) Heatmap showing DEGs in different comparisons with red showing upregulated genes and blue showing down regulated genes. For NLF mice a) Showing Plaque vs away in microglial data, b) Showing Peri-plaque vs away in Asyrocyte, and for NLFTrem2 mice in c) plaque vs away in microglia d) peri-plaque vs away in Astrocytes.

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| --- | --- | --- |
| **Regions in comparison** | **NLF** | **NLF-Trem2** |
| TMEM119 Plaque vs Away | 155 Down, 72 Up | 41 Down, 35 up |
| TMEM119 Peri-plaque vs Away | 240 Down, 44 Up | 156 Down, 30 Up |
| TMEM119 Plaque vs peri-plaque | 3 Down, 32 Up | 7 Down, 4 Up |
| GFAP Peri-plaque vs Away | 368 Down, 28 Up | 38 Down, 13 up |

**Table 1 Number of up and downregulated genes from each pair-wise comparison**.