

Volcano plot showing log2 fold change (logFC) on the x-axis and -log10(p-value) on the y-axis. The plot displays a large number of genes, with many labeled. Genes are colored blue for upregulated and black for downregulated. The x-axis ranges from -2 to 2, and the y-axis ranges from 0 to 4. The plot shows a clear separation between upregulated and downregulated genes, with a dense cluster of downregulated genes near the center (logFC = 0).