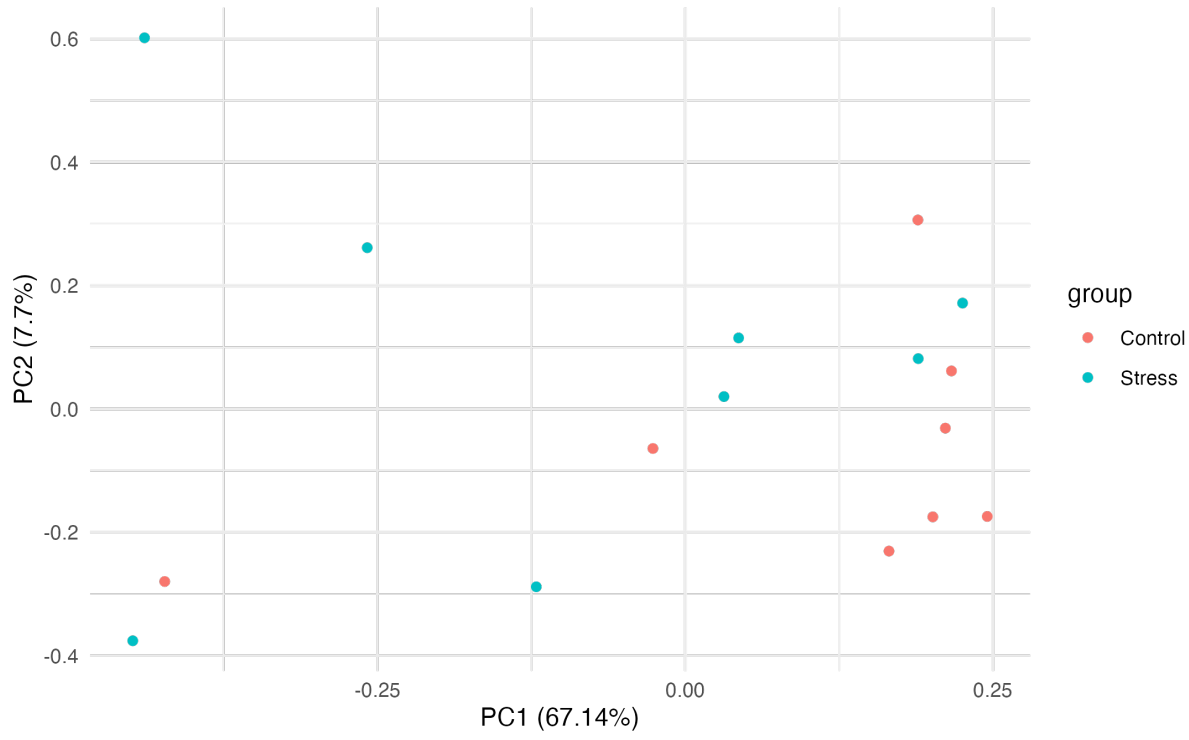


Supplementary

A



B

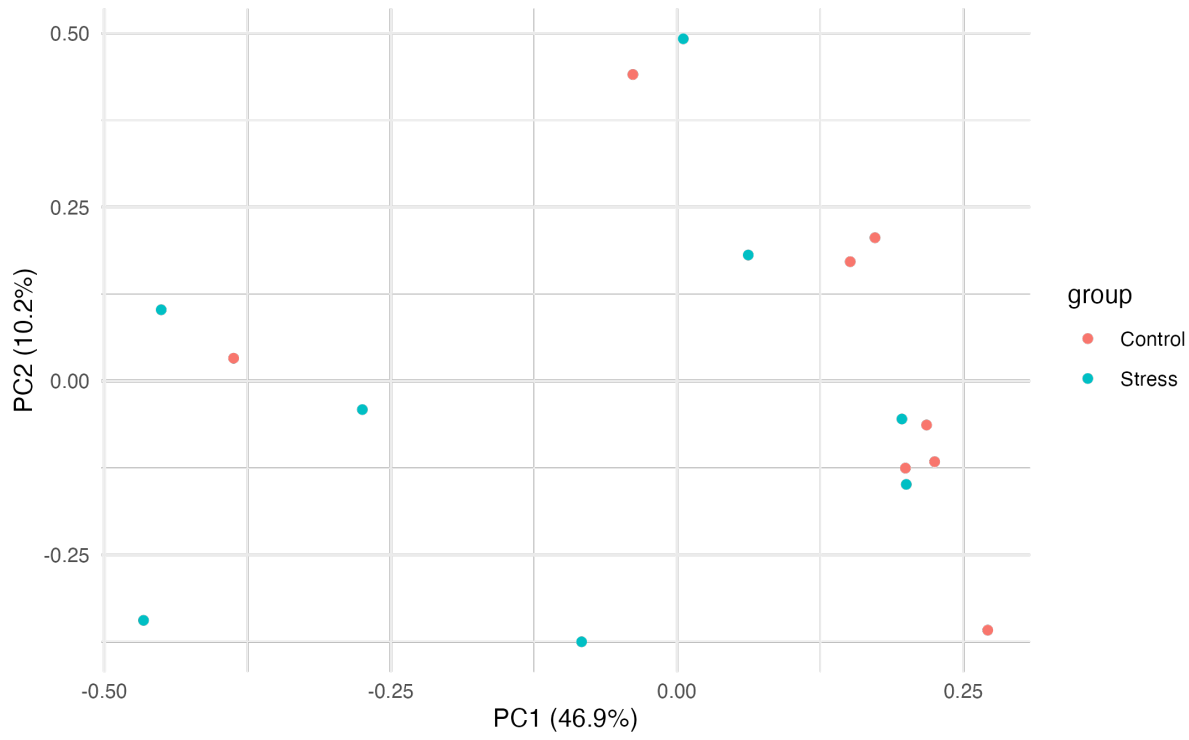
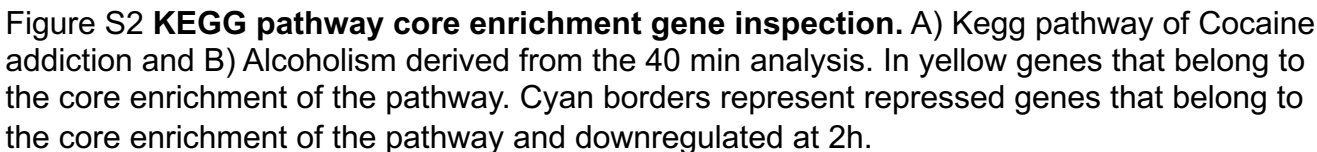
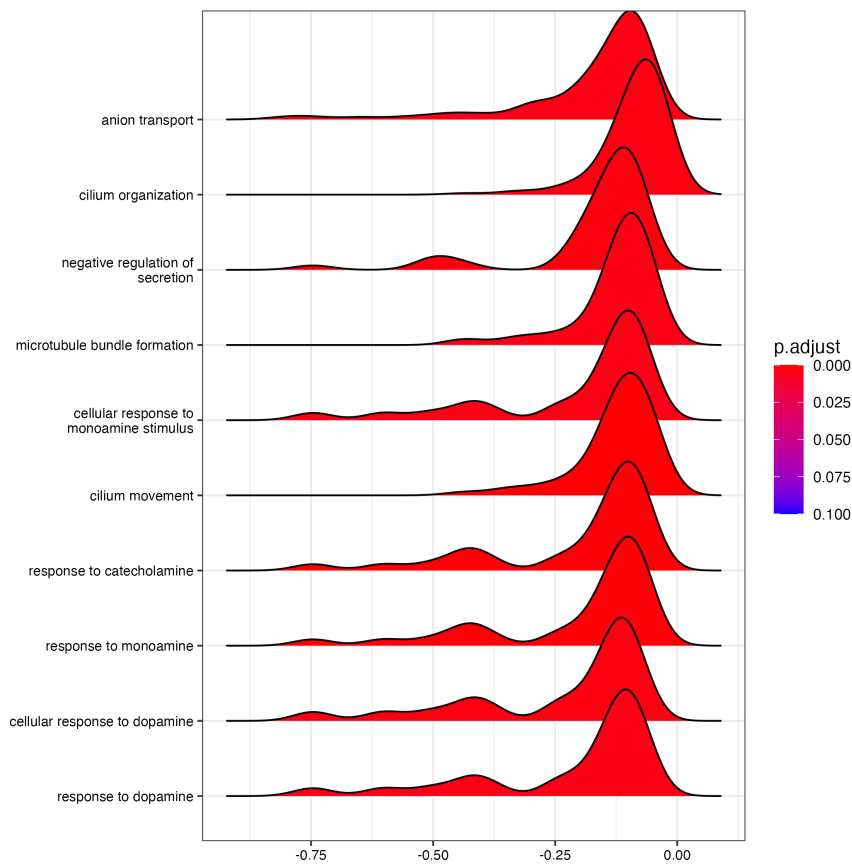


Figure S1 **Principal Component Analysis for PFC samples immediately after FS stress.** PCA plot of A) top 500 most variable genes and B) all genes respectively.

B



A



B

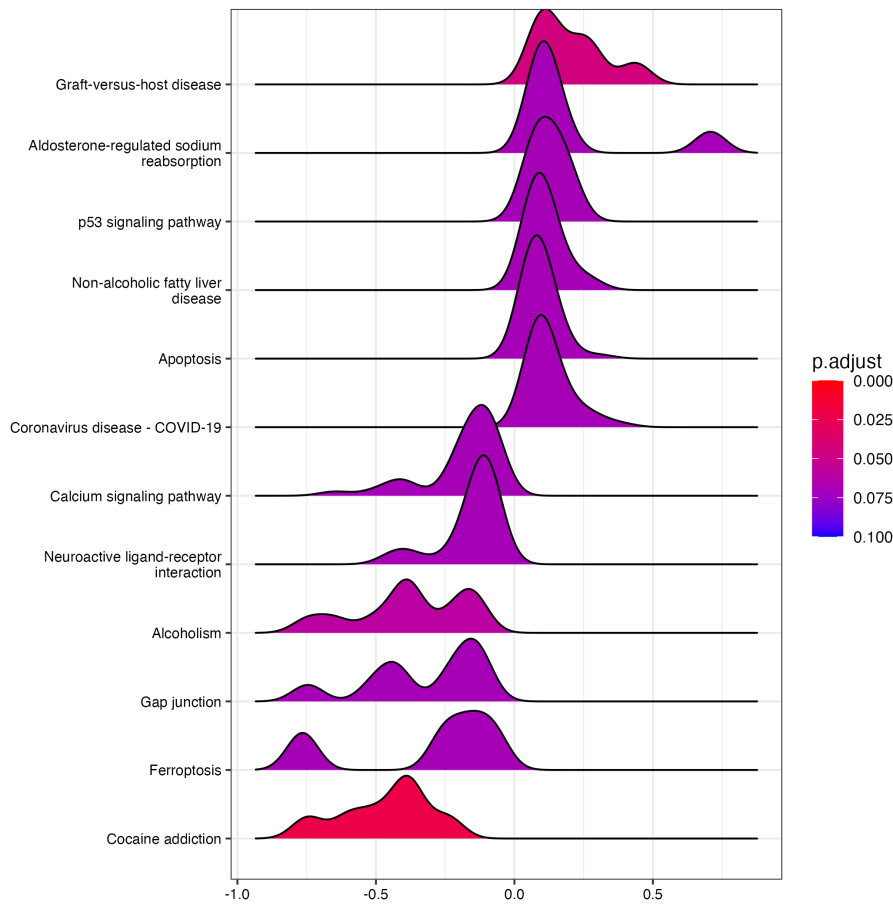
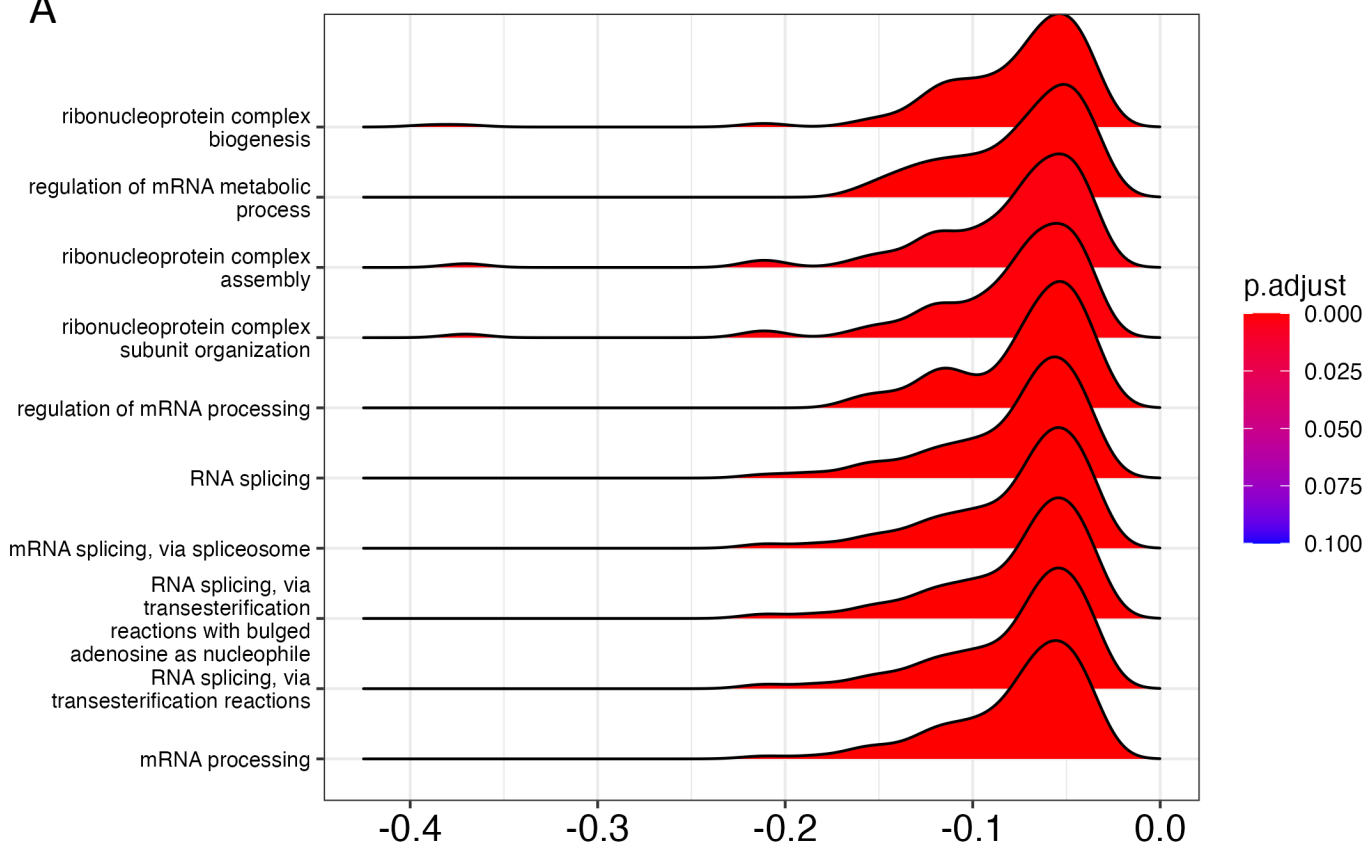


Figure S3 **GSEA in the PFC of rats 2 hours after FS stress**. Density distribution of log2 fold changes of the core enriched genes belonging to the gene sets reported. On the x axis, the log2 fold change is reported. A) Top 10 enriched GO Biological Process terms. B) KEGG enriched pathways with adjusted p-value ≤ 0.1 . N = 6 FS vs N = 6 CTR.

A



B

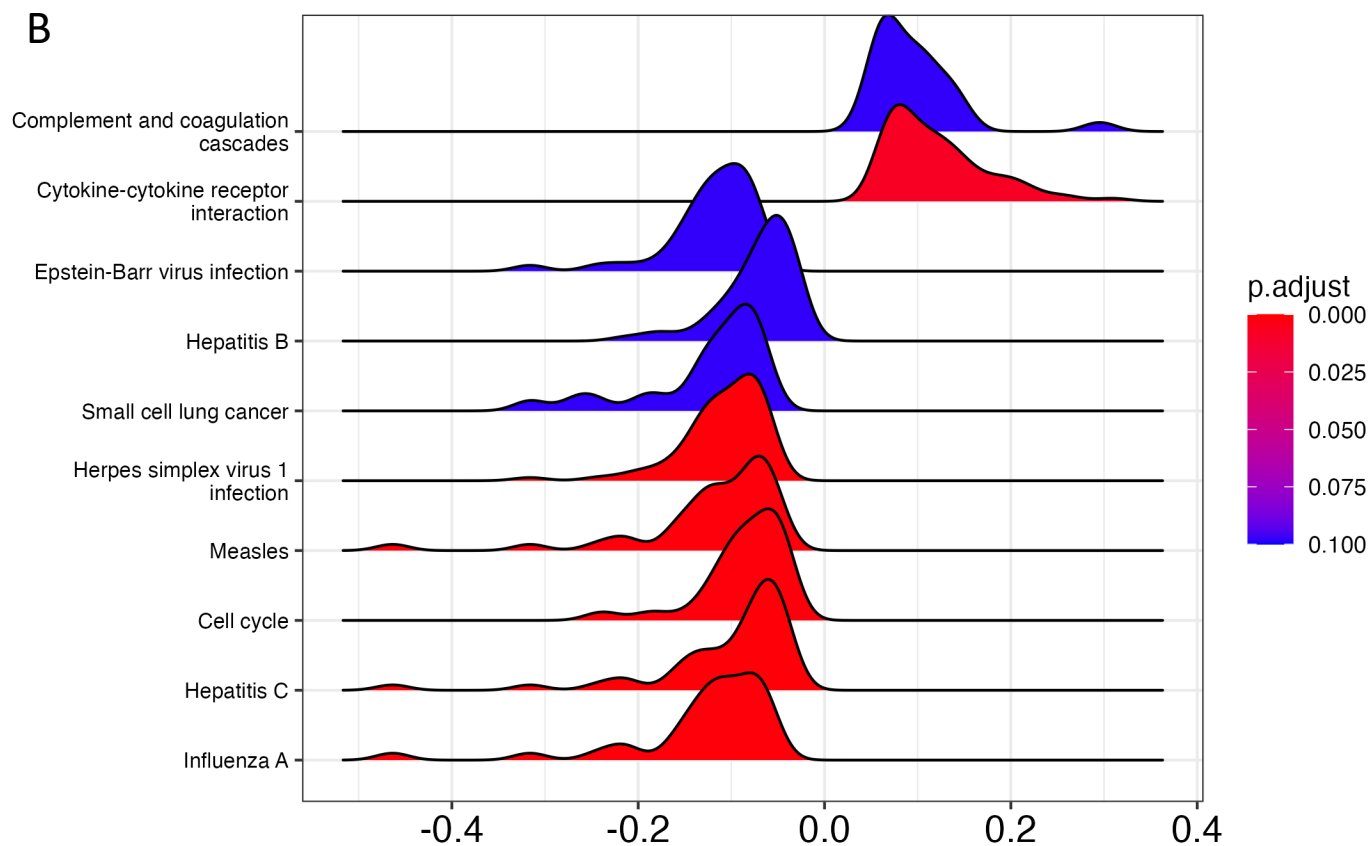


Figure S4 GSEA in the PFC of rats 24 hour after FS stress. Density distribution of log₂ fold changes of the core enriched genes belonging to the gene sets reported. On the x axis, the log₂ fold change is reported. A) Top 10 enriched GO Biological Process terms. B) KEGG enriched pathways with adjusted p-value ≤ 0.1 . N = 5 FS vs N = 5 CTR.