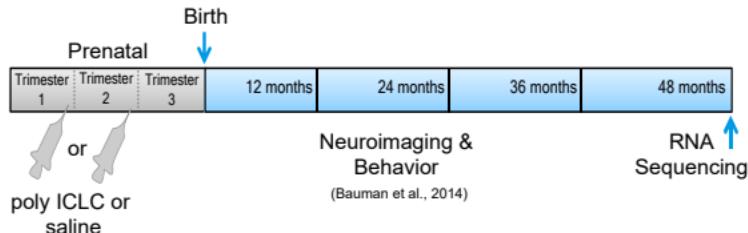
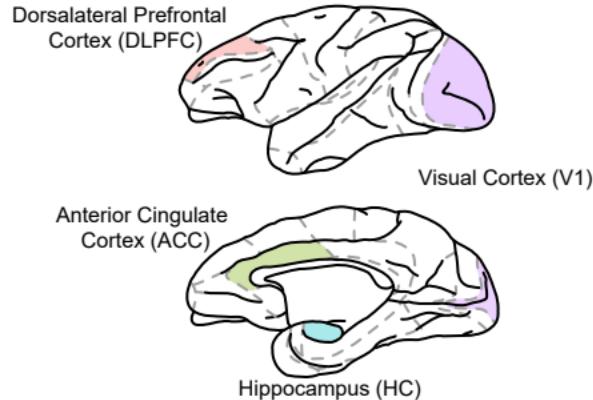


A

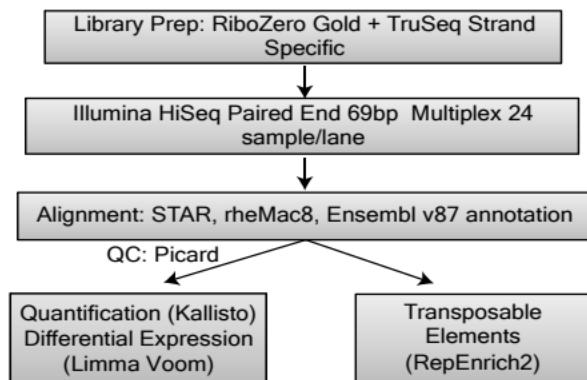
Experimental Timeline

**B**

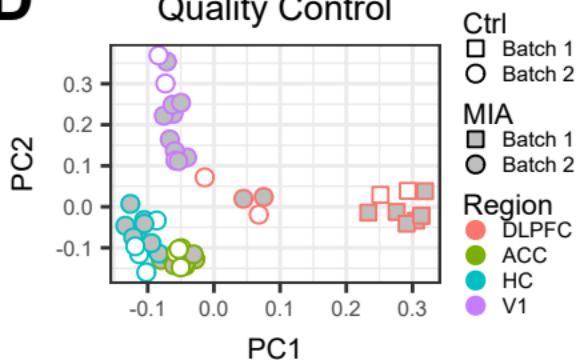
Brain Regions Profiled

**C**

RNA-Sequencing Pipeline

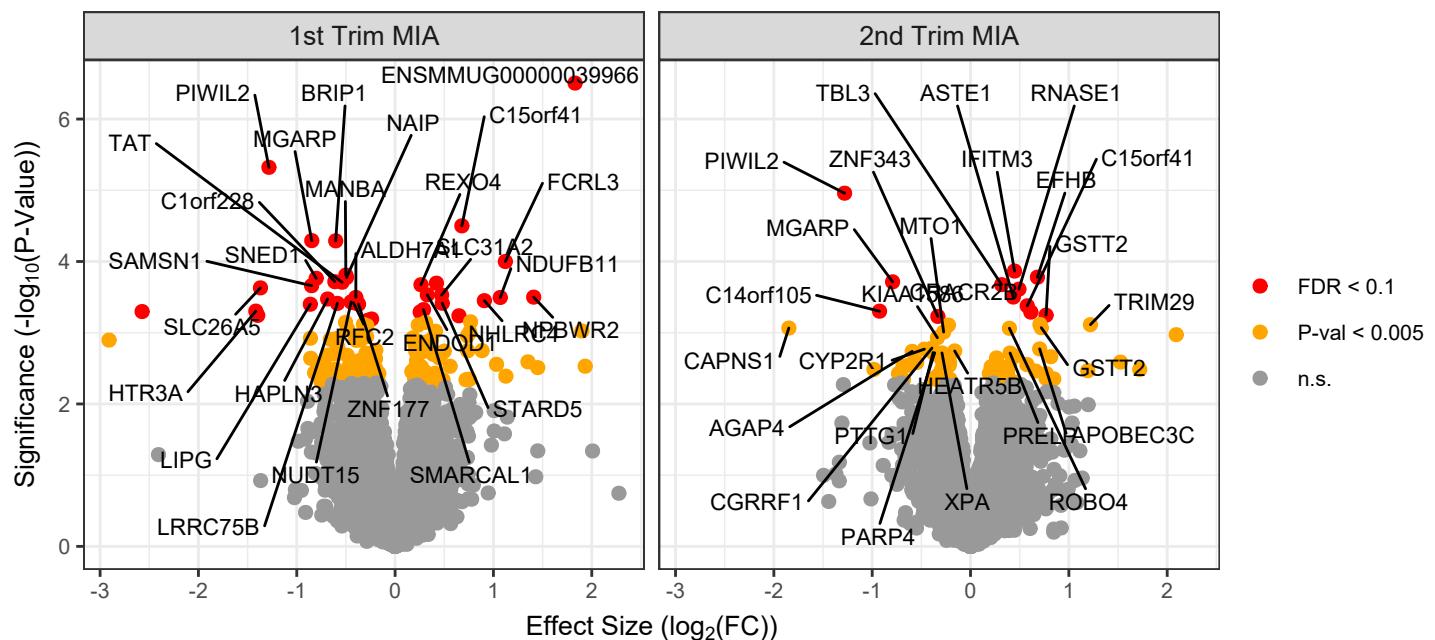
**D**

Quality Control

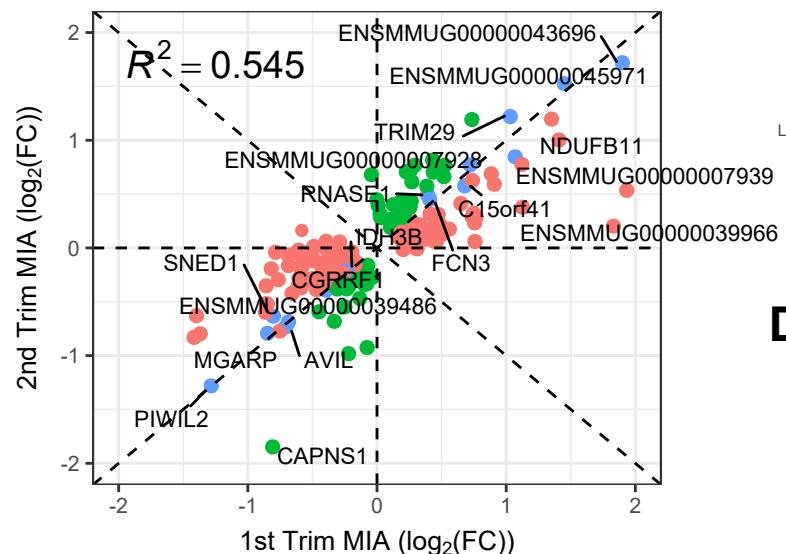


(Figure 1)

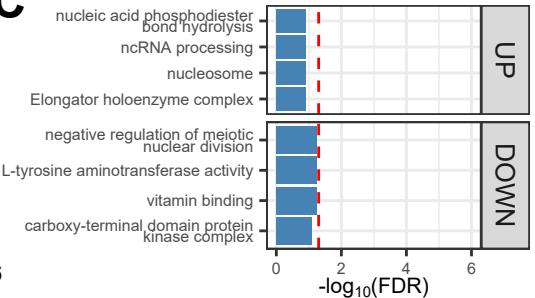
A Differential Gene Expression



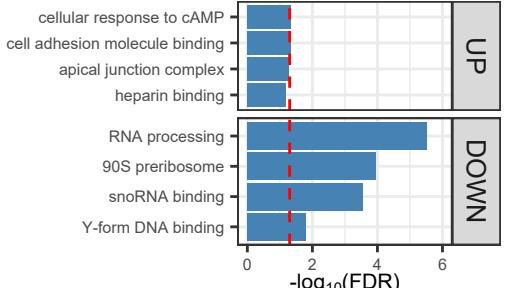
B Correlation of DE Genes



C p<0.05 in 1st Trim MIA & logFC<0.2 in 2nd Trim MIA

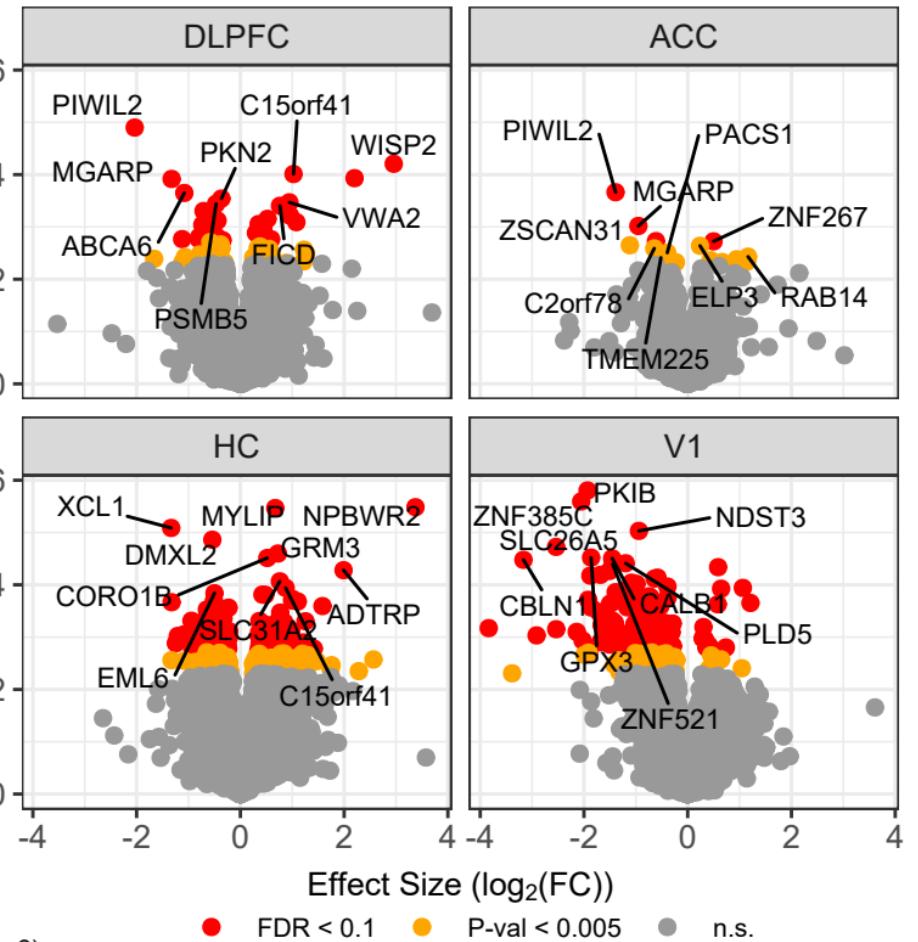


D p<0.05 in 2nd Trim MIA & logFC<0.2 in 1st Trim MIA

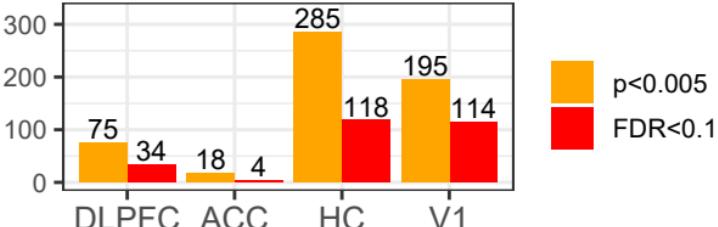


A

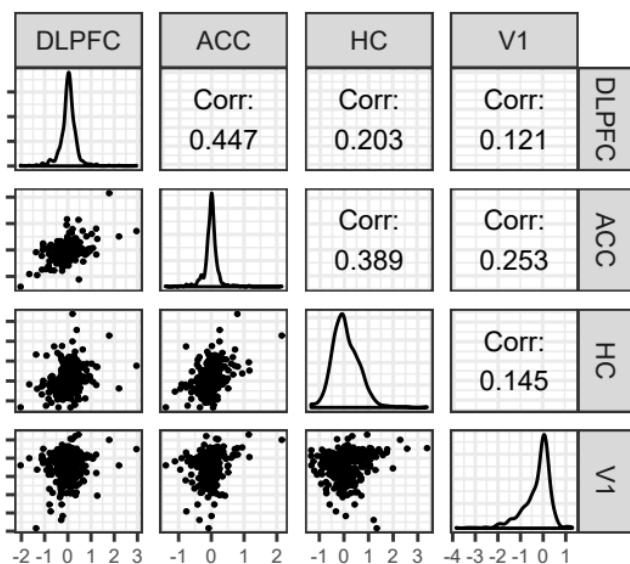
Regional Differential Gene Expression

Significance (-log₁₀(P-Value))**B**

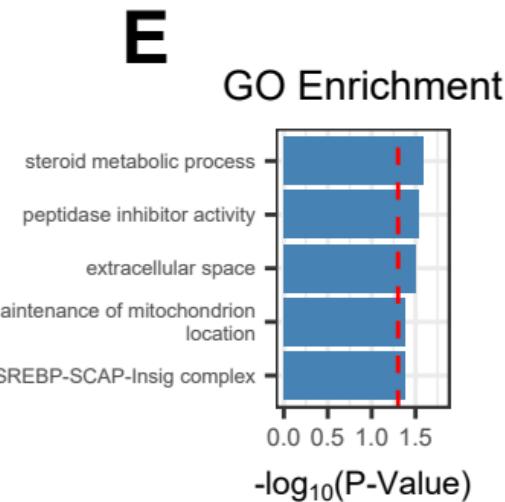
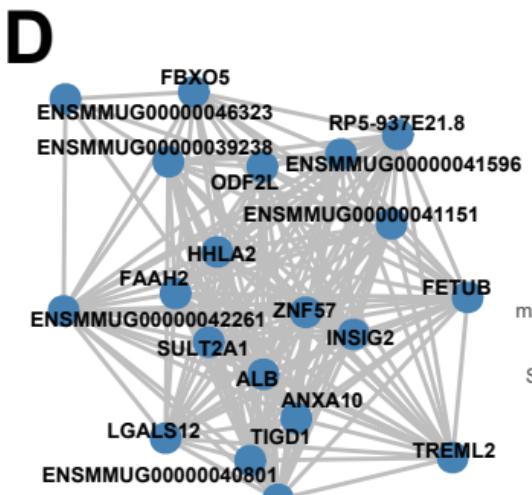
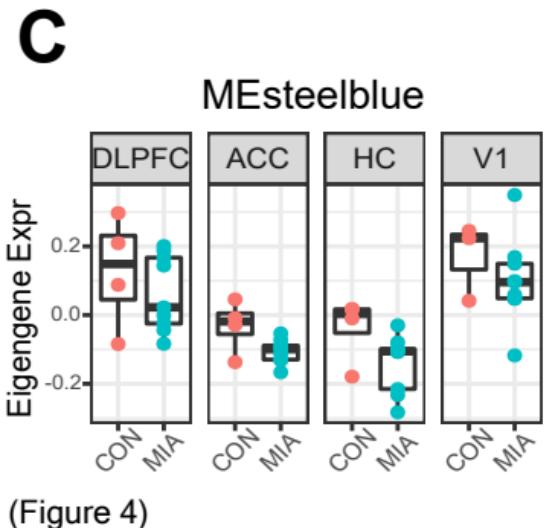
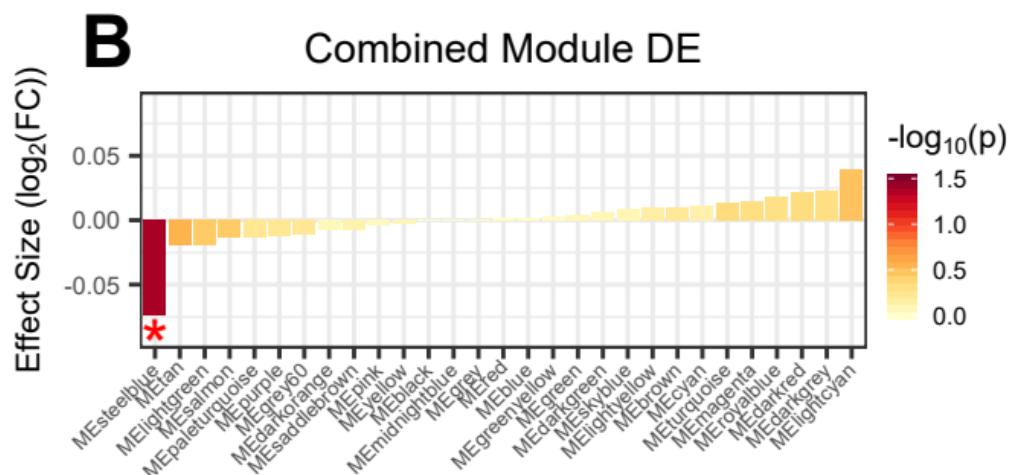
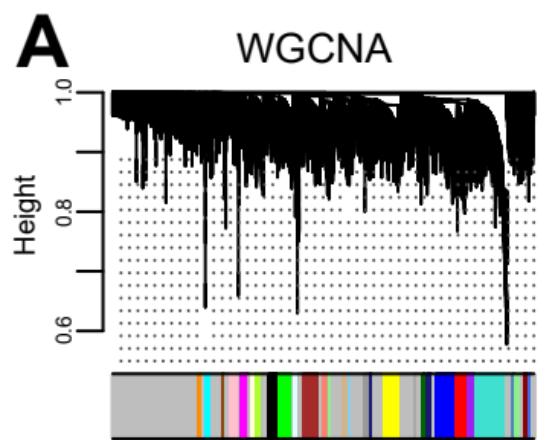
DE Genes by Region

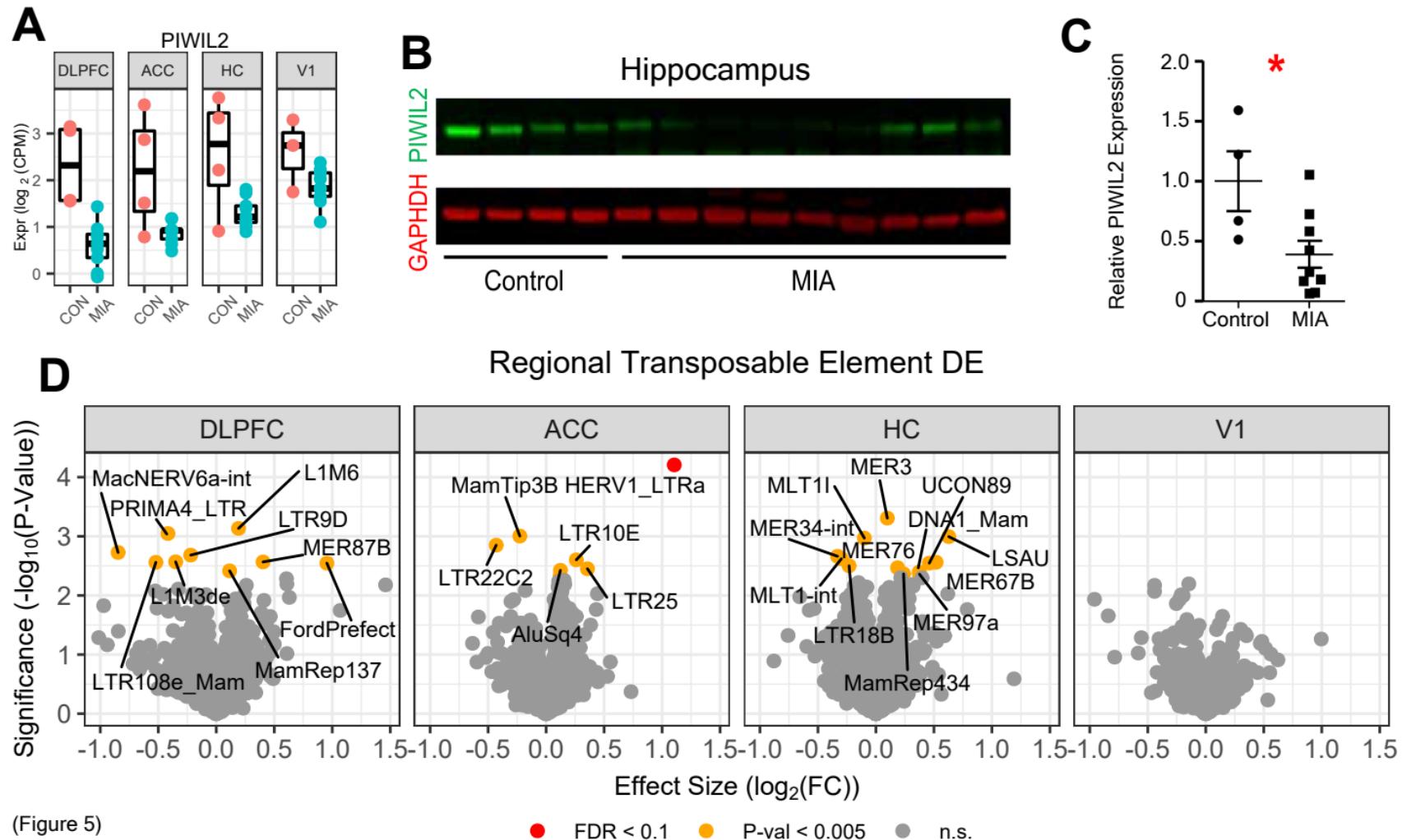
**C**

p < 0.005 Genes logFC Correlation



(Figure 3)

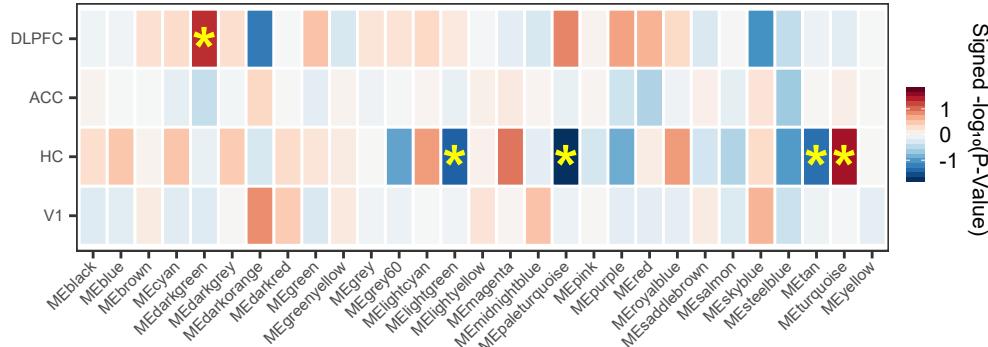




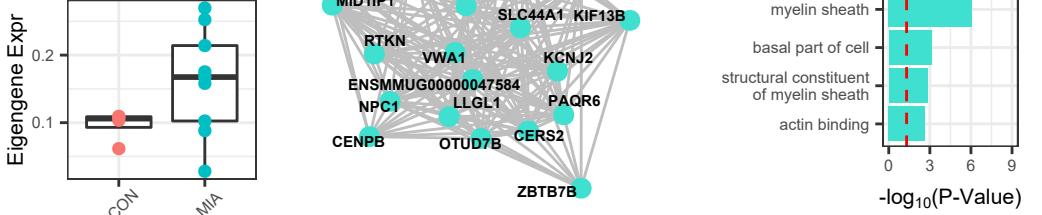
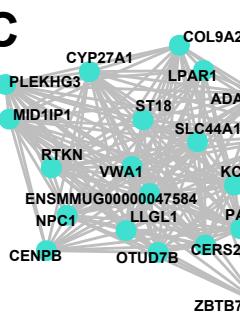
(Figure 5)

A

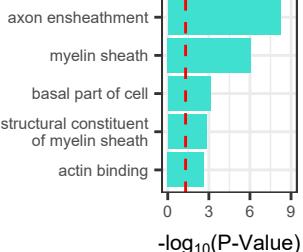
Module Differential Expression

**B**

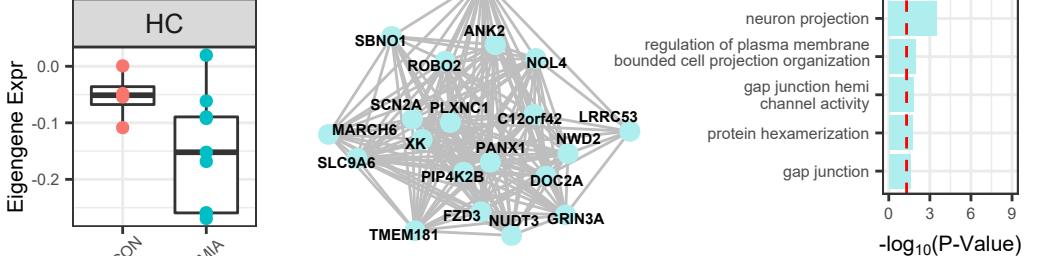
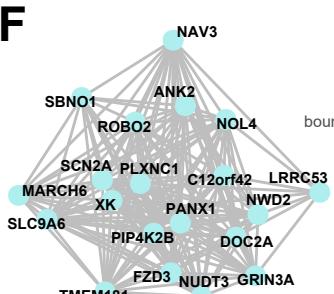
MEturquoise

**C****D**

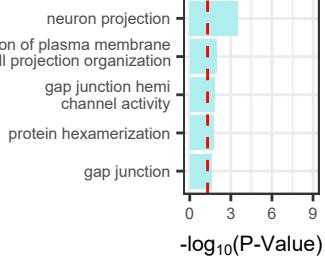
GO Enrichment

**E**

MEpaleturquoise

**F****G**

GO Enrichment



(Figure 6)

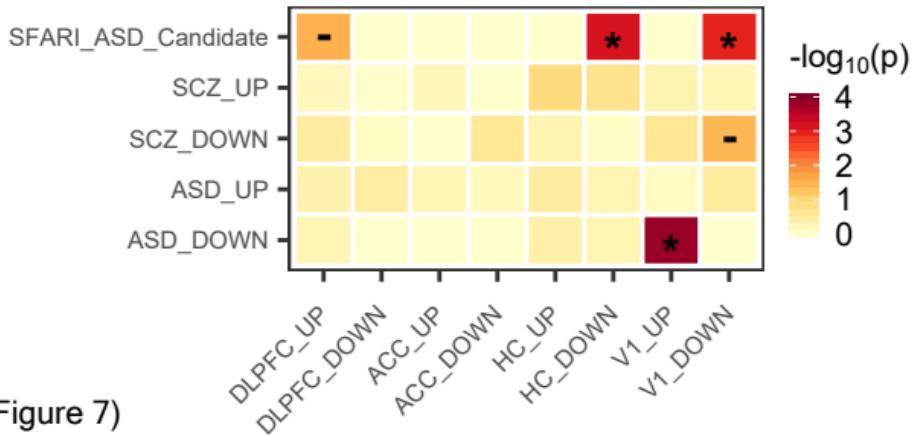
A

Disease MIA Overlap

DGE rank in Disease

**B**

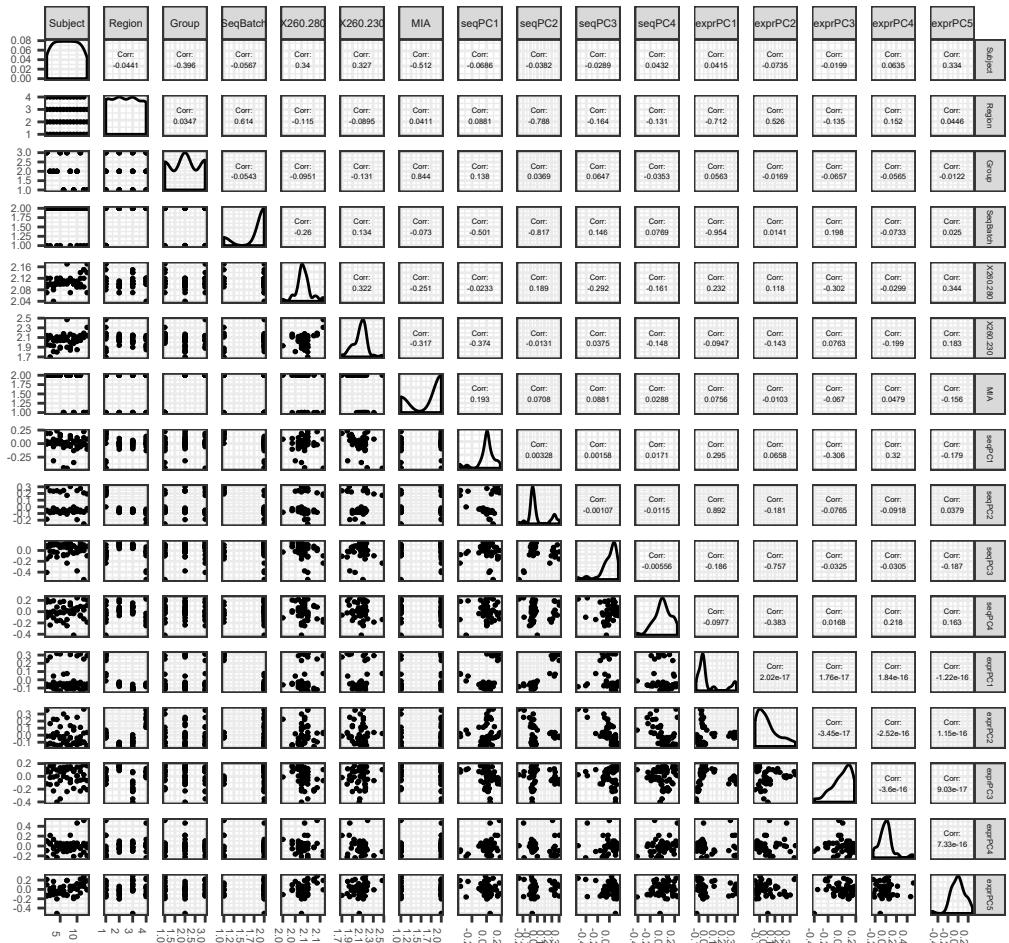
Disease Enrichment



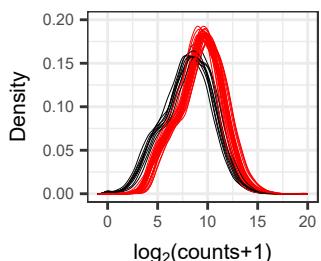
(Figure 7)

A

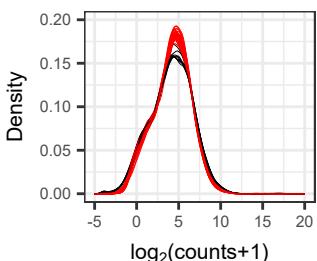
Trait Correlations -- |Pearson's rho|

**B**

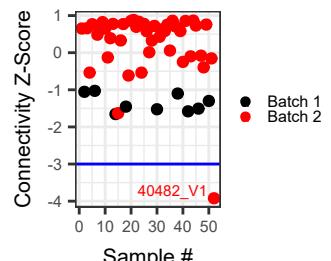
Pre-Normalization

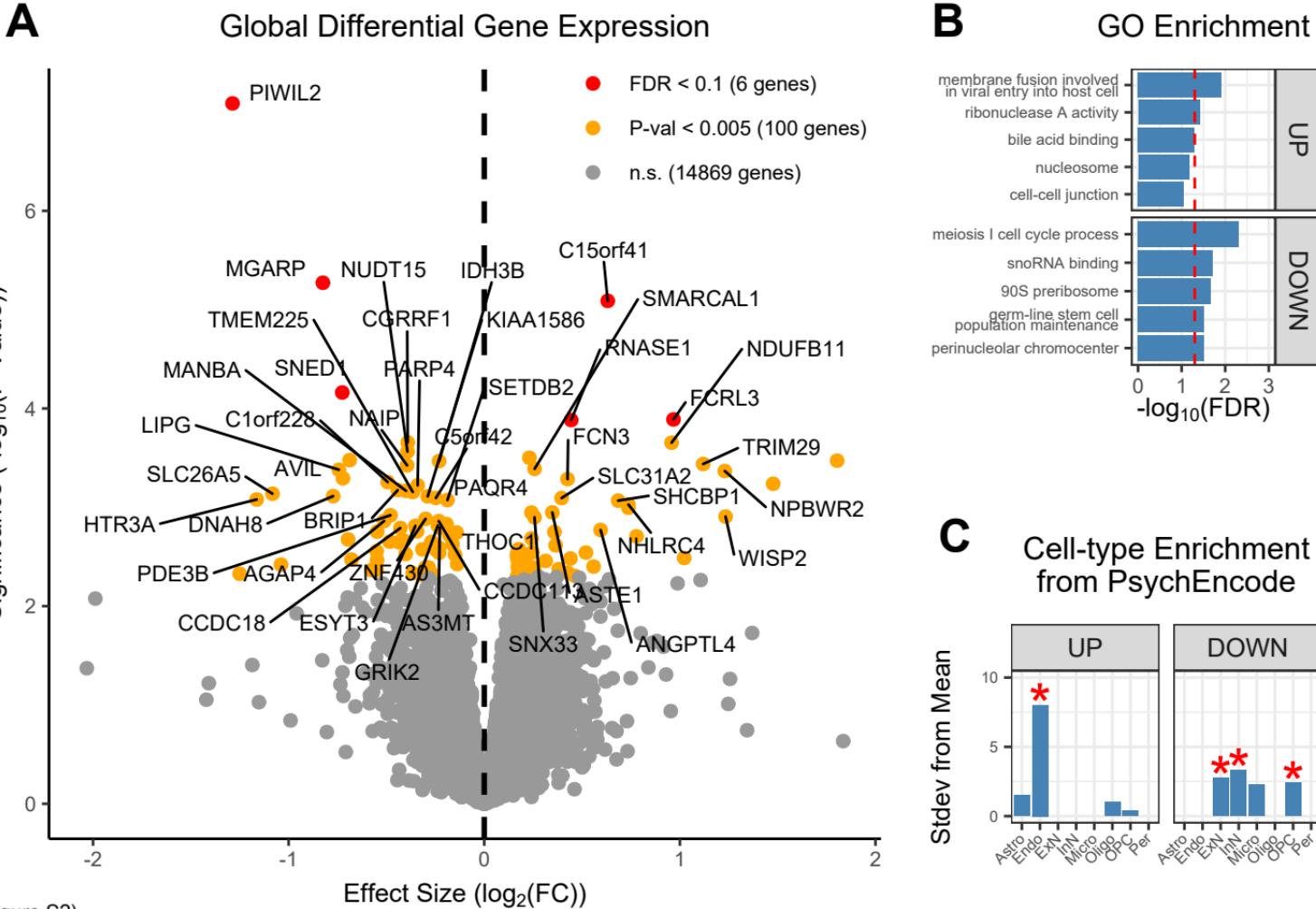
**C**

Post-Normalization

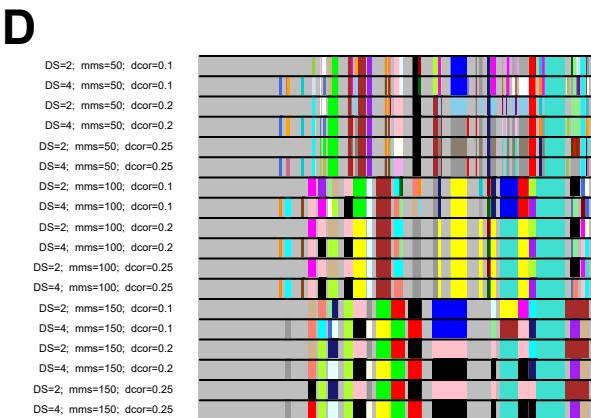
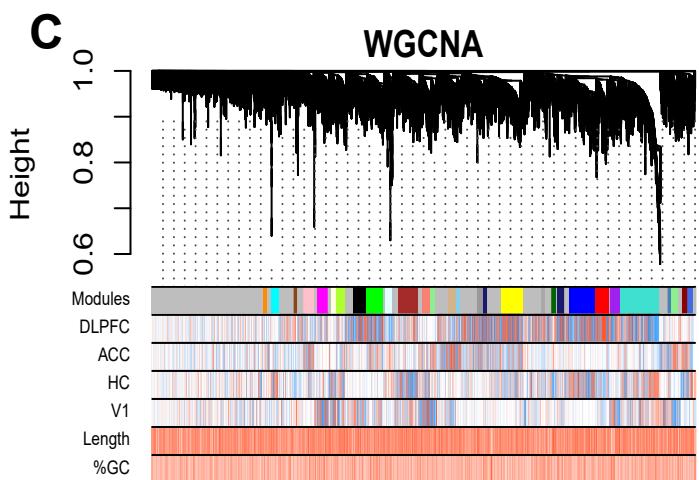
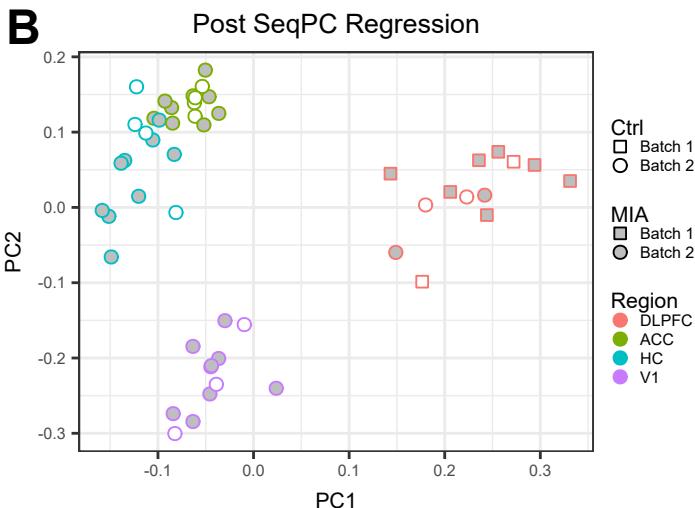
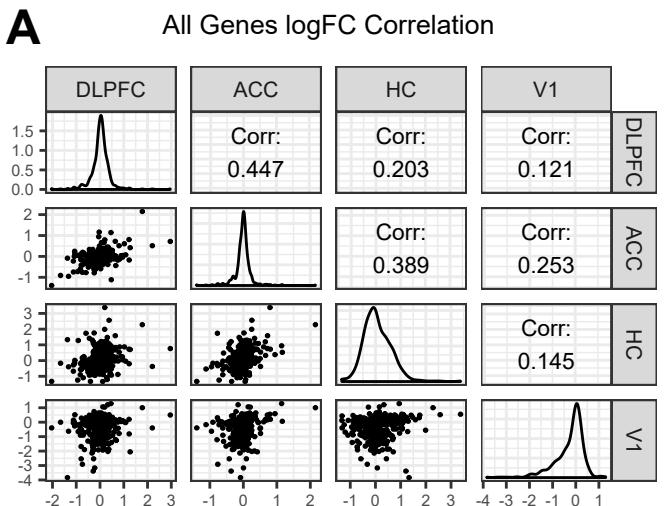
**D**

Outlier Removal

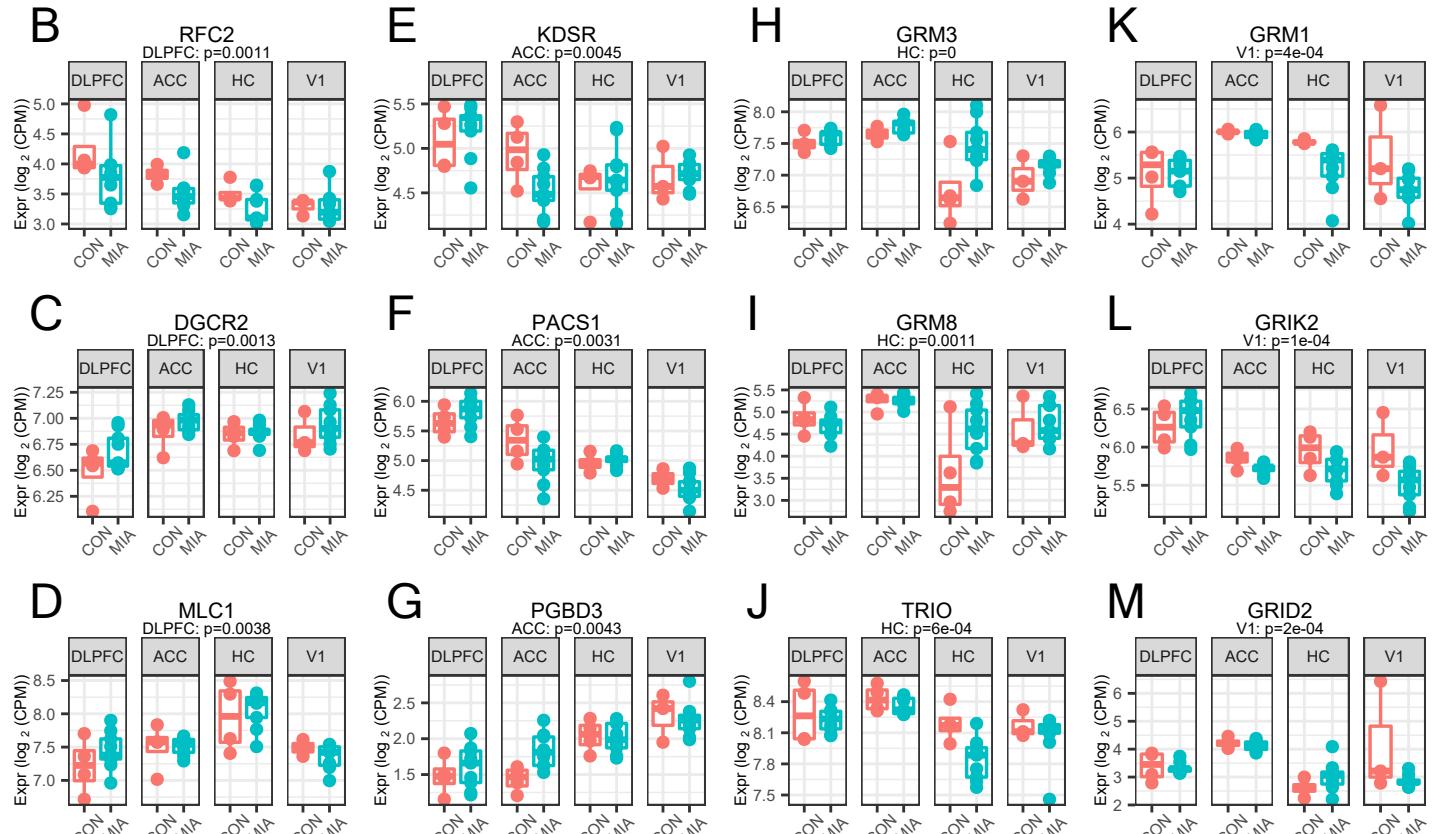
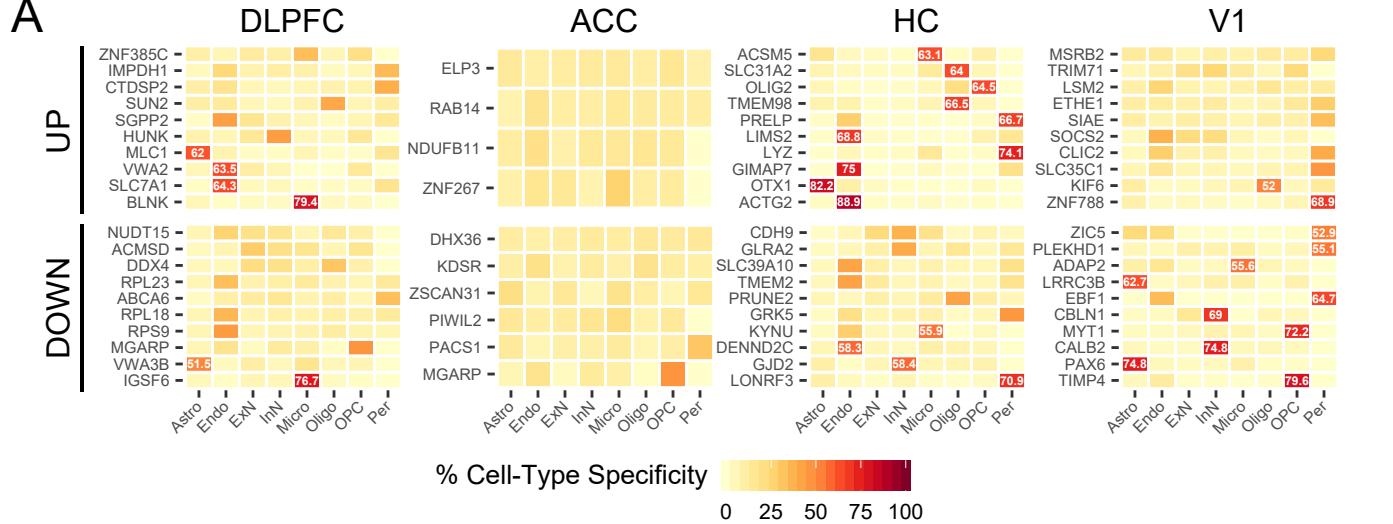




(Figure S2)



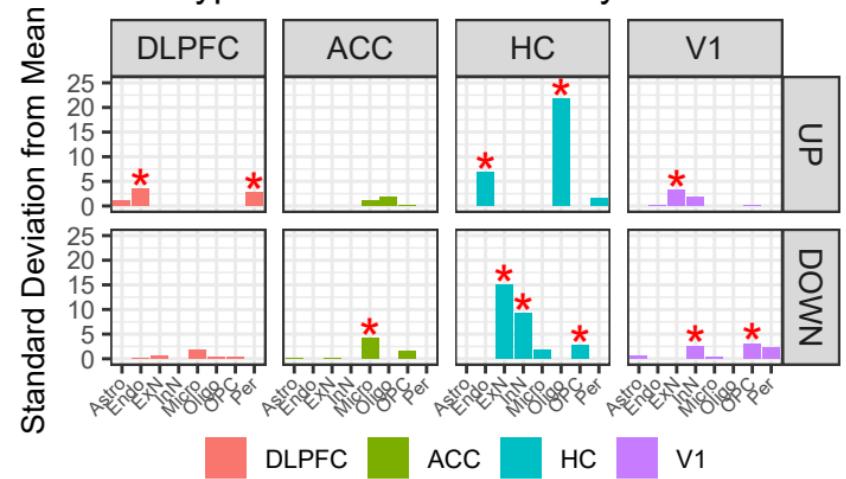
(Figure S3)



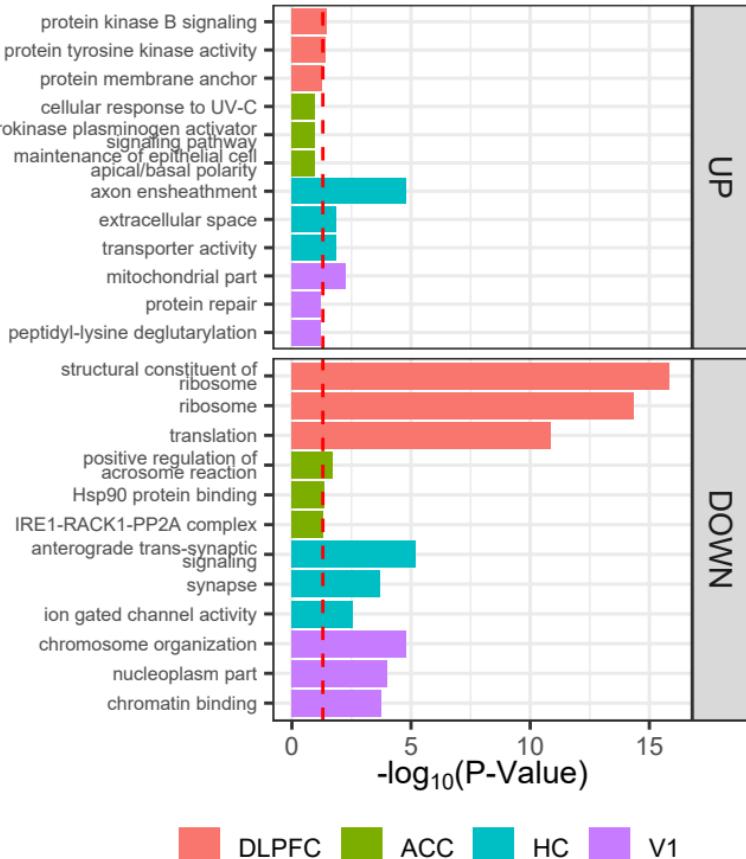
(Figure S4)

A

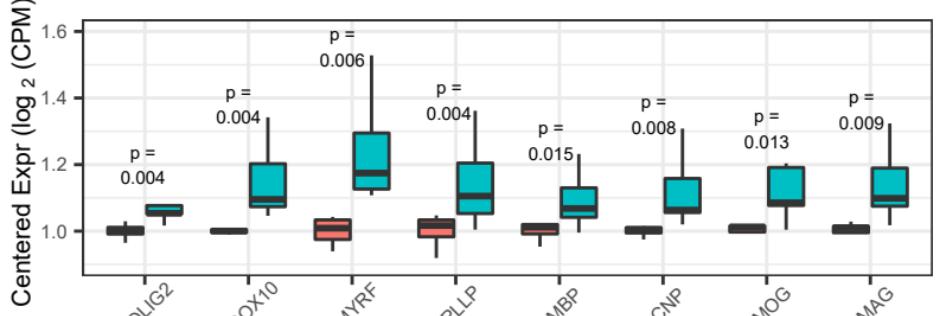
Cell-type Enrichment from PsychEncode

**B**

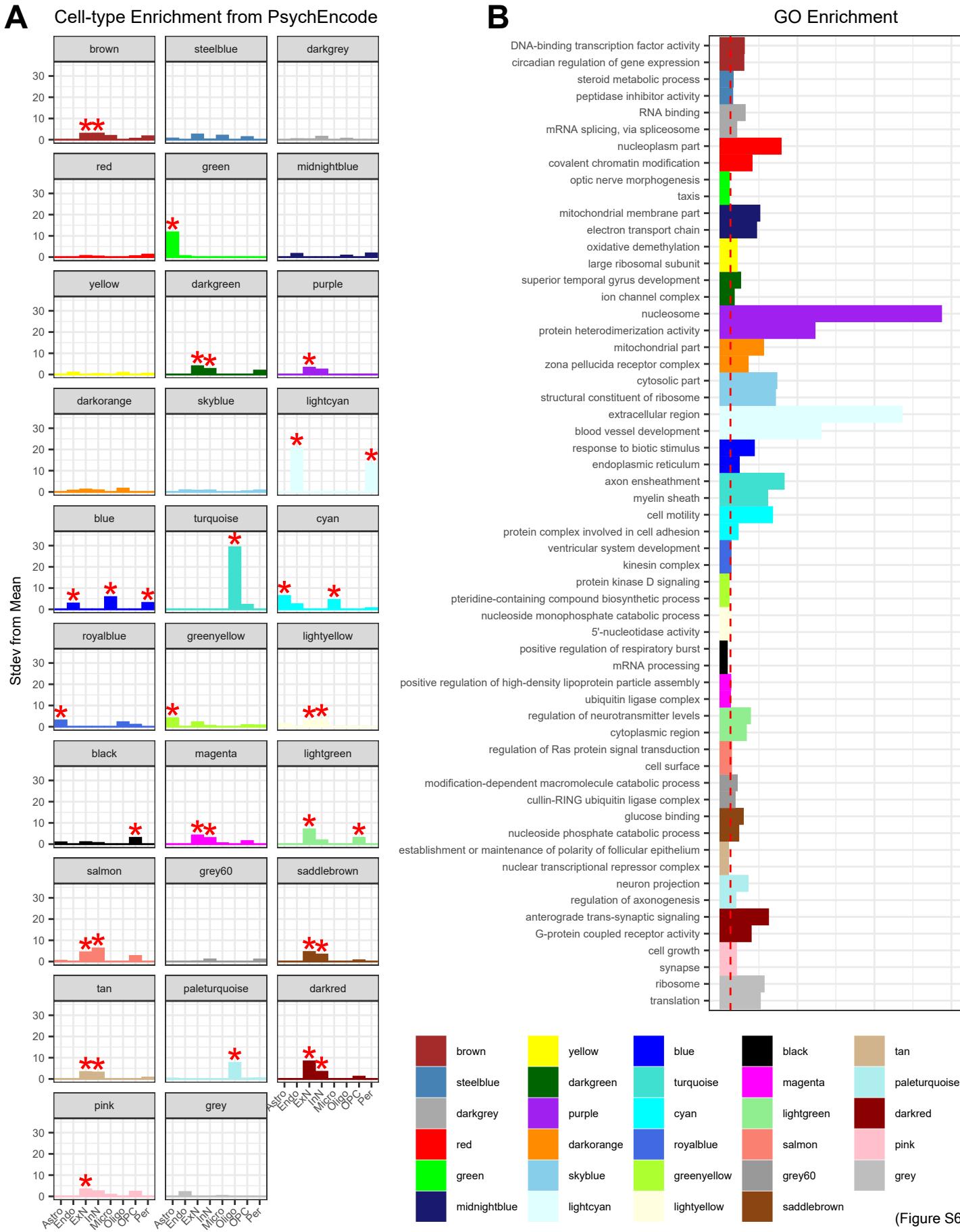
GO Enrichment

**C**

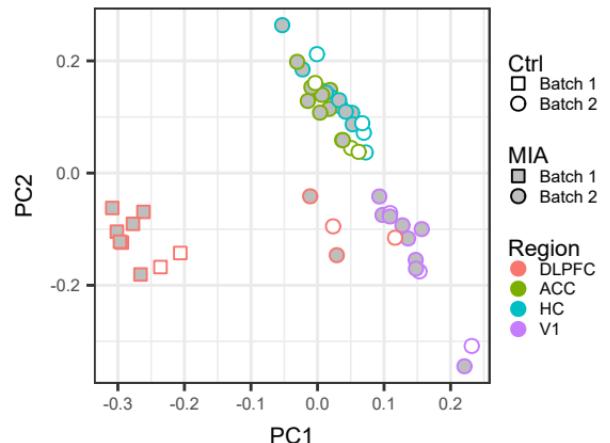
DE of Select Genes in HC



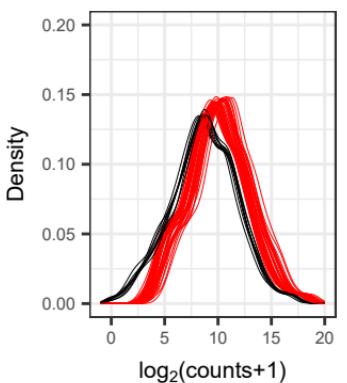
(Figure S5)



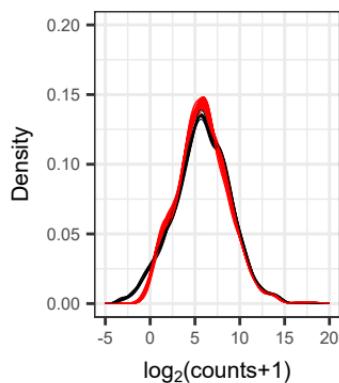
A TE Quality Control



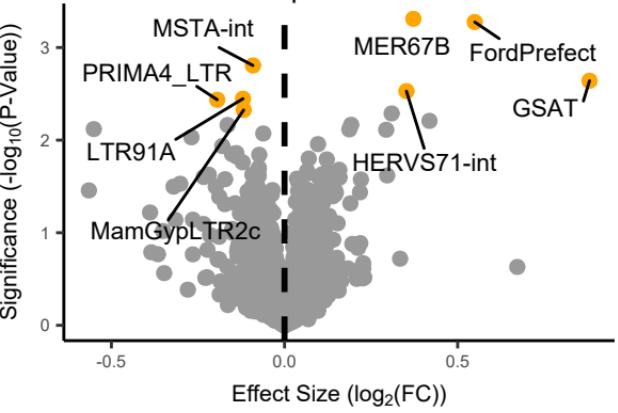
B Pre-Normalization



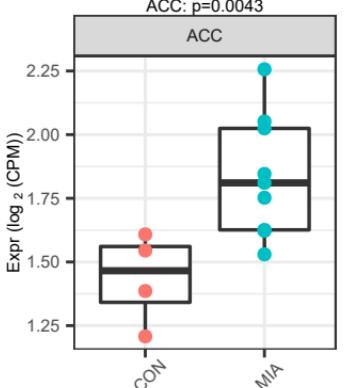
C Post-Normalization



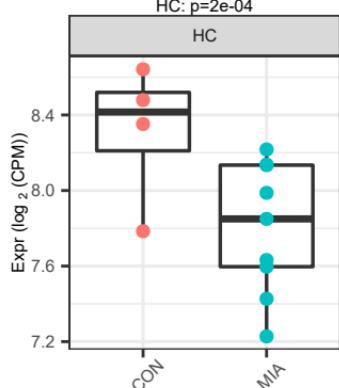
D Global Transposable Element DE



E PGBD3



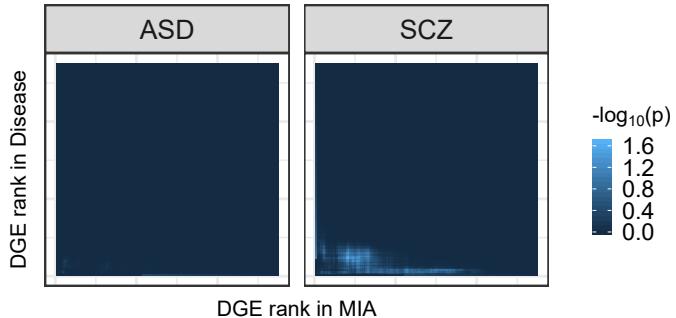
F PGBD5



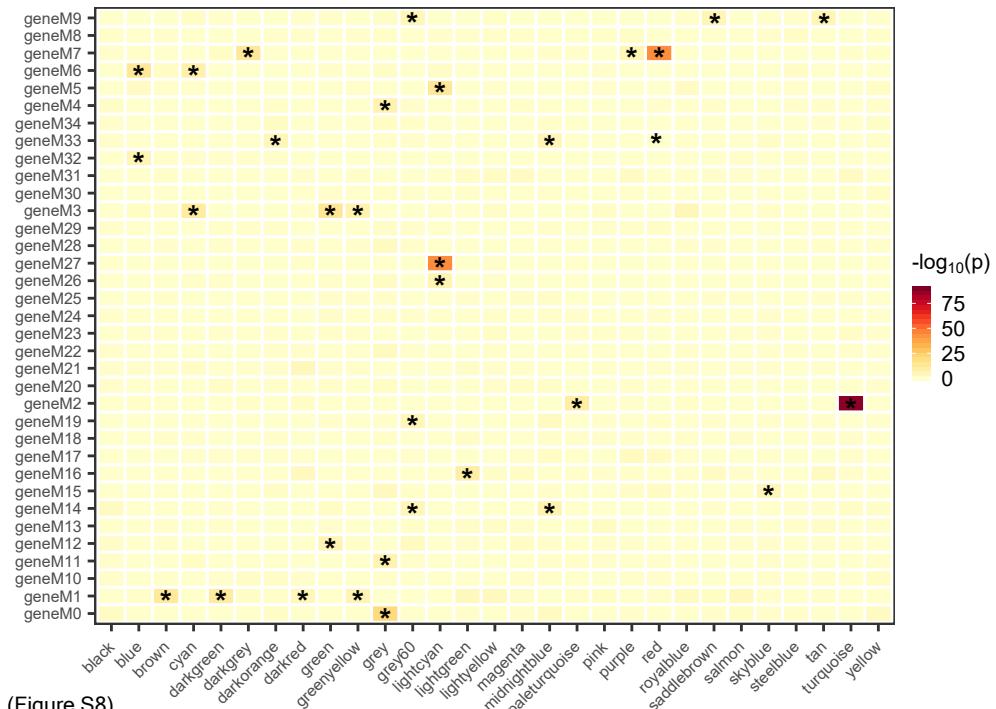
(Figure S7)

● P-val < 0.005 (8 TEs) ● n.s. (1287 TEs)

A DLPFC Disease MIA Overlap



B PsychEncode Module Overlap



(Figure S8)

