

Heatmap visualization showing the log<sub>2</sub> fold change (logFC) of gene expression across various brain regions. The color scale ranges from -5 (blue) to 5 (red). Hierarchical clustering dendrograms are shown on the top and left. The brain regions are CP, WM, GCL, SGZ, CA4, PCL\_CA3, PCL\_CA1, SUB, SO, SR, SL, and SLM. The genes are HSPA6, PLAC9, PCP4, HSPA1A, HSPA1B, MTRNR2L10, ADIRF, MTRNR2L8, MT-ATP8, DDN, APOC1, FBXL16, CPLX2, NCS1, OLFM1, NRG1, SLC1A2, CAMK2N1, MT-ND6, WIF1, SLC8A2, ADCY1, CHGB, PHYHIP, NCDN, ENC1, NPTX1, NRN1, SLC30A3, GABRQ, CALB1, TNNT2, BDNF, EGR4, PDYN, FOSB, PPP1R1A, SEMA5A, and STXBP6.