

Heatmap visualization showing the log2 fold change (logFC) of 40 genes across 12 brain regions. The color scale ranges from -5 (blue) to 5 (red). Hierarchical clustering dendrograms are shown on the left and top.

**Genes (Y-axis):**

- ADCYAP1
- ELAVL2
- KLK7
- SST
- UNC13C
- SYT13
- PRDM8
- B3GAT2
- NCALD
- TSPAN18
- CD44
- SERPINA3
- APLNR
- CHGB
- NEFL
- SLC17A7
- CHN1
- ENC1
- AMPH
- SLC6A17
- KIF5A
- SV2B
- PRKCG
- NRIP3
- CACNG8
- CELF4
- BAIAP2
- SLIT1
- SYT4
- NPTX1
- SYN2
- CAMK2B
- SCN3B
- SYN1
- TESC
- KIT
- NEUROD6
- SNCG
- LMO4
- CCK

**Brain Regions (X-axis):**

- CP
- WM
- PCL\_CA3
- GCL
- SGZ
- SLM
- SR
- ML
- SO
- SL
- PCL\_CA1
- SUB

**logFC Scale:**

- 5 (Red)
- 0 (White)
- 5 (Blue)

5

5

100%

100

0

100

5

**-5**