

## Choroid plexus LAT2 and SNAT3 as partners in CSF amino acid homeostasis maintenance

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### Additional File 1 Supplementary Figures

#### Figure Legends

**Figure S1.** Expression profile of 32 *Slc* genes in isolated choroid plexuses (n=3).

For each AA transporter gene, mRNA levels were measured by qPCR relative to 18S rRNA and presented as mean  $\pm$  SD.

**Figure S2** Assessment of LAT2 knockout in the brain tissue

- A. Significant reduction of *Lat2* mRNA in CP (white bars) and cerebrum (dotted grey bars) of LAT2 KO mice compared to wild-type samples. Data shown as mean  $\pm$  SD and compared with unpaired t-test, n=5 for KO's and wt CP, 4 for wt cerebrum, \*\*\*p<0.001.
- B. Representative staining of LAT2 transporter (green) in wt and LAT2 KO CP paraffin sections. Nuclei are counterstained with DAPI (blue). Scale bar is 50  $\mu$ m.

Figure S1.

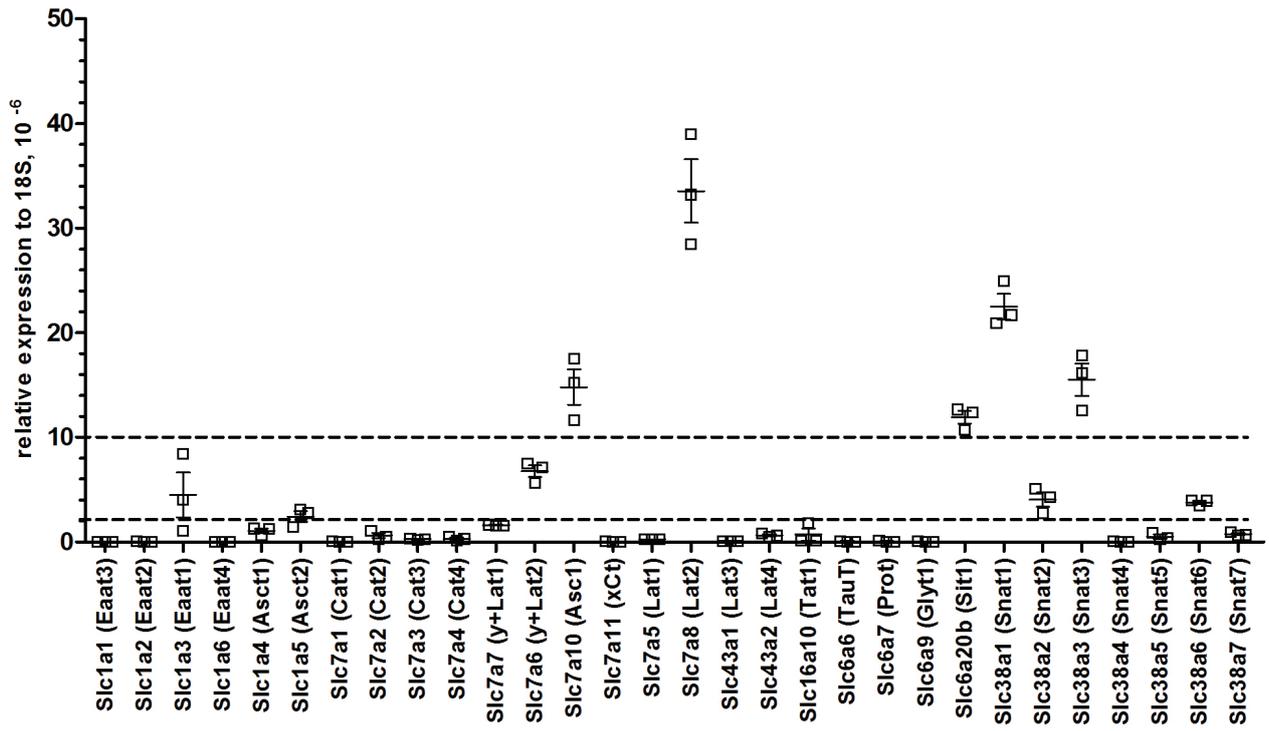
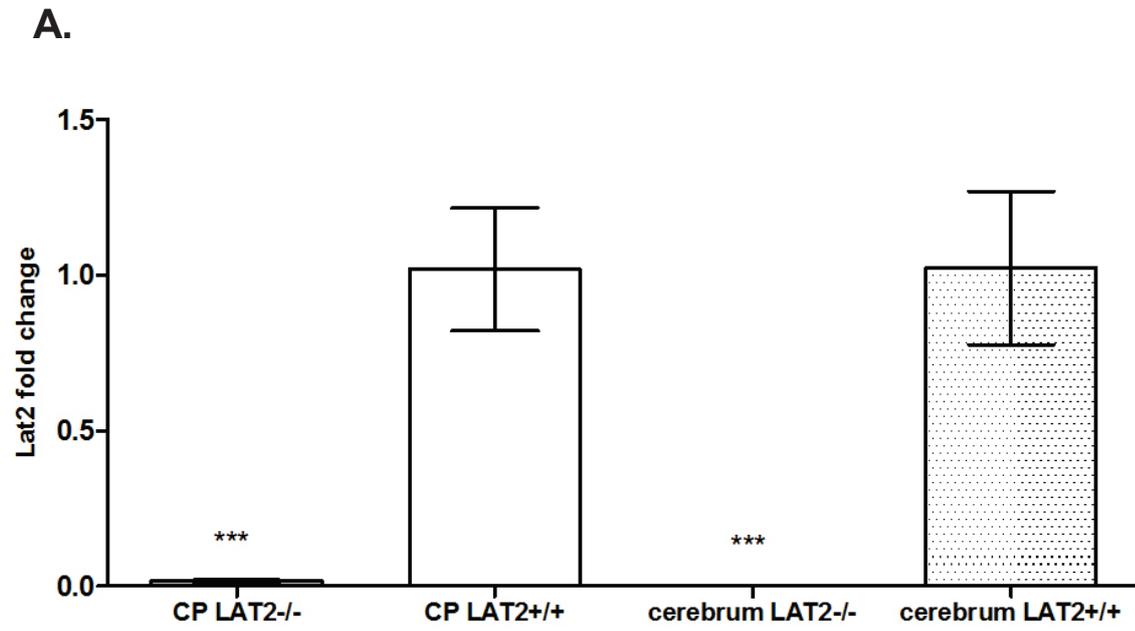


Figure S2.



**B.**

