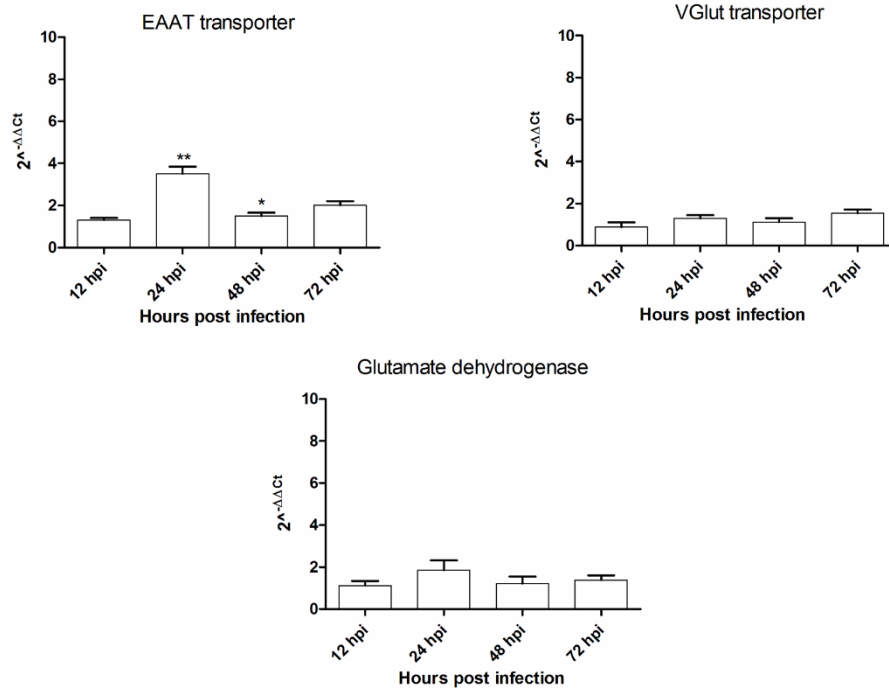
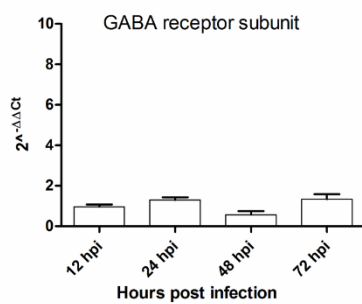
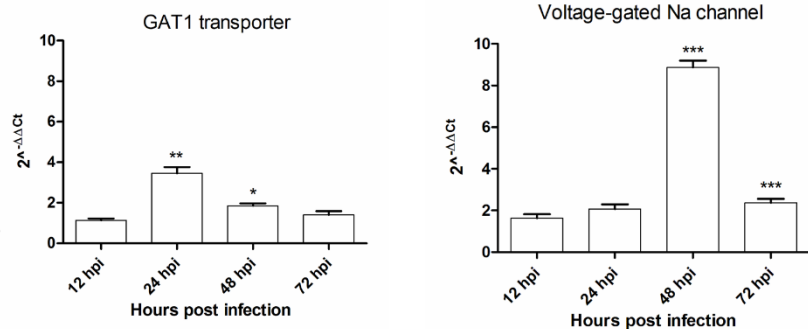


A**B****C**

Supplementary Figure 3. Gene expression comparison after ZIKV infection in neuron cultures. *Mus musculus* neuron culture were infected with ZIKV and real-time PCR was performed at various time points. **A** Bar plots illustrating mRNA expression of Glutamate pathway proteins: Glutamate transporters (EAAT and VGlut) and Glutamate dehydrogenase (GDH). **B** Bar plots illustrating mRNA expression of GABA_A pathway proteins: GABA_A receptor subunit and GABA_A transporter (GAT1). **C** Bar plots illustrating mRNA expression of Voltage-gated sodium channel (VGNaC). All bar plots show mean value with \pm SEM ($n = 3$) of fold increase compared both to housekeeping gene and uninfected culture (ratio of $2^{-\Delta\Delta Ct}$) at the same time point in hours post infection (hpi). Statistical differences were calculated with unpaired t tests by comparing mRNA expression at time_i to time_{i-1} within each group.