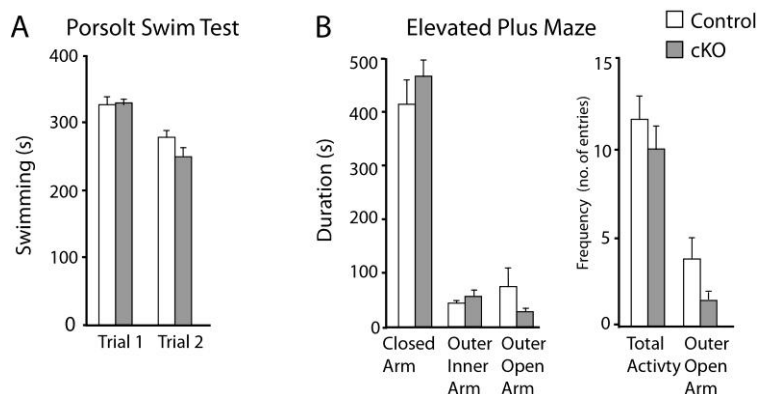


# Increased hippocampal excitability and impaired spatial memory function in mice lacking VGLUT2 selectively in tyrosine hydroxylase-expressing neurons

## Brain Structure and Function

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Supplementary figure 1 Nordenankar, Smith *et al.*



### Suppl. Figure 1. *The forced swim test (FST) and Elevated plus maze (EPM).*

(A) Depression-like behaviour of *Vglut2<sup>ff;TH-Cre</sup>* cKO and littermate control mice assessed by the FST in a two-trial setting on two consecutive days. The mice were placed in a perspex cylinder filled with 30 cm deep, 25°C warm water. Each trial was filmed and lasted for 6 minutes. The time (seconds) spent swimming was scored manually by using the AniTracker software. (B) Anxiety-like behaviour was assessed in the EPM. Mice were placed in the center of the maze and allowed to explore it freely during a 10-minute trial. The latency of entrance into each arm, the time (duration) spent in each arm and the number of entries (frequency) into each area were analysed.

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