



Figure S1. Real-time PCR analysis of *Egr1* mRNA expression in the hippocampus after SE in mice treated with LEV or untreated. Total RNA was extracted from the hippocampi of mice treated with PILO at 1 h, 3 h, 1 day, 2 days and 7 days post-SE and pre-SE in mice treated with LEV or mice that were untreated. The values were normalized relative to the β -actin (*Actb*) mRNA level and then divided by that of the control group (pre-SE) to calculate the relative mRNA levels. All data points represent the mean \pm SEM of three independent experiments ($n = 3-9$). Data were analyzed for significant differences by one-way ANOVA and Tukey's post-hoc test. Results with p values < 0.05 were considered statistically significant. ** $p < 0.01$ vs. pre-SE mice.