**Supplementary table 2.**

Correlation analysis between EEG parameters and Western blot analysis of immune proteins in the hippocampal tissue at 4wks post-NCSE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | MHCII | CD68 | Galectin-3 | CD4 |
| Number of spont. seizures | r=0.11 r2=0.012  p= 0.81 | r=-0.27  r2=0.073  p= 0.556 | r=-0.61  r2= 0.37  p= 0.15 | r=0.080  r2= 0.0064  p= 0.87 |
| Total duration of seizures | r= 0.082  r2=0.0067  p= 0.86 | r=-0.27  r2= 0.073  p= 0.55 | r=-0.61  r2= 0.37  p= 0.14 | r=-0.061  r2=0.0037  p= 0.90 |
| Duration/seizure | r=-0.22  r2=0.049  p= 0.64 | r=-0.22  r2=0.048  p= 0.64 | r=0.17  r2=0.029  p= 0.72 | r=-0.17  r2=0.029  p= 0.72 |
| Interictal load | r=0.25  r2=0.063  p= 0.60 | r=-0.50  r2=0.25  p= 0.27 | r=-0.64  r2=0.41  p= 0.14 | r=0.43  r2=0.18  p= 0.35 |

**S2 Table. Regression analysis of seizure burden and protein levels.** Regression analysis of numbers, total and mean duration of spontaneous seizures and Western blot protein levels in hippocampal tissue from rats exhibiting spontaneous seizures during 4wks post-NCSE. Data are presented as Pearson’s correlation coefficient and r2 value. The EEG data has previously been reported in Avdic et al 2018.