

Table S2. Density of GLT-1a gold particles in control and ceftriaxone-treated WT (GLT-1+/+) and GLT-1 KO (GLT-1 -/-) mice

Localization	GLT-1 +/+ (particles/ μm^2)	GLT-1 +/+ CEF (particles/ μm^2)	GLT-1 -/- (particles/ μm^2)	GLT-1 -/- CEF (particles/ μm^2)
Nucleus (background)	0.5 \pm 0.07 (n=10)	0.5 \pm 0.08 (n=10)	0.4 \pm 0.04 (n=10)	0.4 \pm 0.02 (n=10)
MF terminals	4.5 \pm 0.8 (n=12)	7.9 \pm 1.3 (n=12)	0.4 \pm 0.05 (n=12)	0.3 \pm 0.07 (n=12)

Density values are mean \pm SEM; n=number of profiles. Statistical analysis was performed using two sided t-test. In both treated and untreated WT mice, the density of gold particles in MF terminals was significantly higher ($P < 0.0001$) than background, calculated by estimating labeling density over cell nuclei. Conversely, in both treated and untreated GLT-1 KO mice, the density of gold particles in MF terminals was comparable to background.