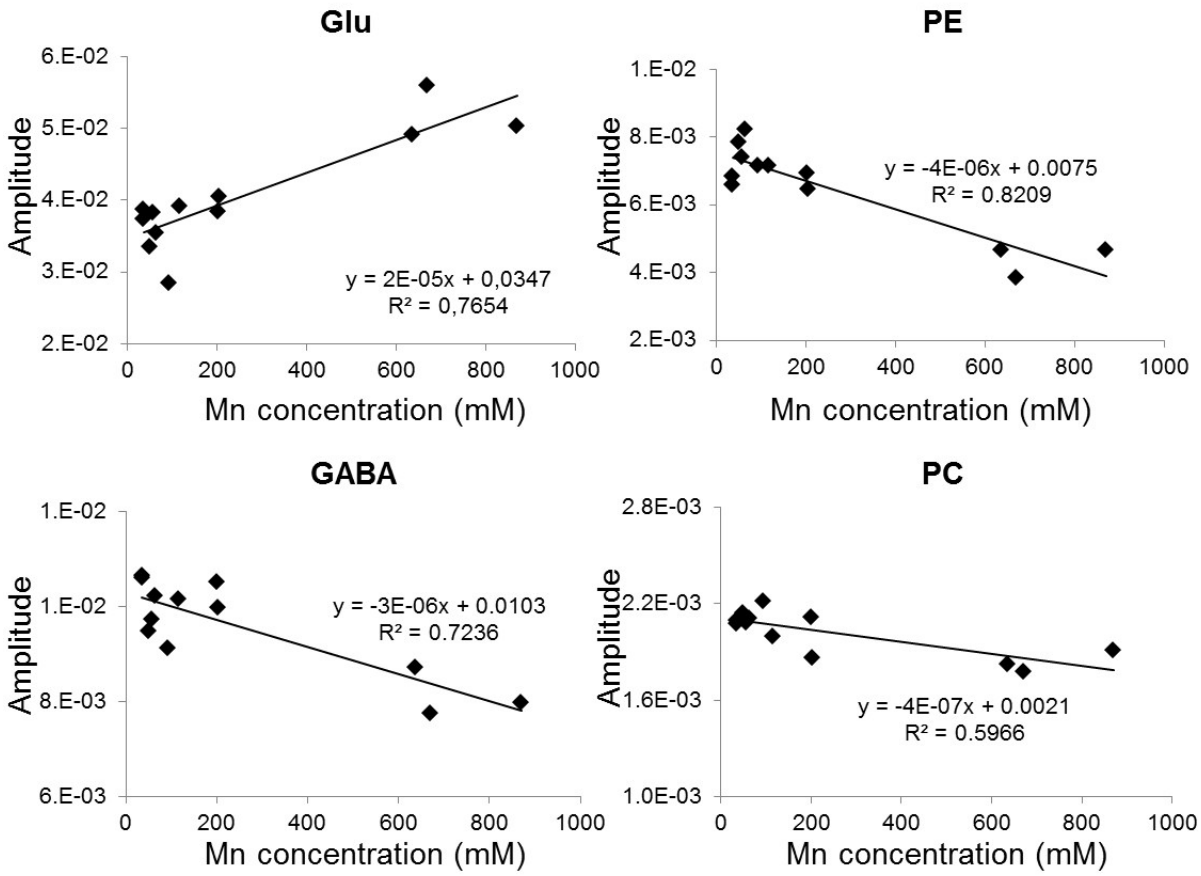

Fig.2 Supp: Correlation between metabolite amplitude and Mn concentration.

Metabolite amplitude (Glu, PE, GABA and PC) are expressed as a function of Mn concentration (µM) estimated by MRI. Each point corresponds to one sub-region ie: DH, IH, VH in both ipsi- and contralateral side (6 points) for each dose used in this study, ie : high and low (12 points). The coordinates in the graph are the mean metabolite amplitude across the giving hippocampus sub-region and the mean Mn concentration determined from the T_1 map. Amplitude and Mn concentration are well correlated: Glu (R^2= 0.8; p=0.02), PE (R^2=0.9; p=0.0004), GABA (R^2= 0.7; p=0.005) and PC (R^2= 0.6; p=0.04).