



Additional Figure 1 Profile of mitochondria-enrichment of miRNAs in sham operated animals.

Sham operated animals (total n = 4 per group) were euthanized at 1, 3, or 7 days following surgery and the ipsilateral and contralateral hippocampi were rapidly removed for isolation of the mitochondria and cytosolic fractions. The fractions were then subjected to RNA isolation and miRNA analysis. The level of mitochondria-enrichment of a miRNA expressed as relative quantity (RQ) was calculated using the formula $RQ = 2^{-(Ct(Mito) - Ct(Cyto))}$ where mitochondrial and cytoplasmic fractions were isolated from the same tissue. Green and orange bars correspond to the contralateral and ipsilateral hippocampi, respectively, of the sham-surgery animals. Data are expressed as the mean \pm SD.