



**Additional Figure 4 The neuronal synaptic transmission in Layer 2/3 and Layer 5/6 located contralateral S1 is not altered after stroke or EA treatment.**

The synaptic transmission in Layer 2/3 or Layer 5/6 located contralateral S1 is not altered in the stroke group or stroke+EA group, compared with the sham group. The frequency (A) or amplitude (B) of spontaneous excitatory post synaptic currents in Layer 2/3 or Layer 5/6 remained no change. Layer 2/3: Number of neurons =16, 12, 8 in the sham, stroke, and stroke + EA groups, respectively. Layer 5/6: Number of neurons = 13, 9, and 9 in the sham, stroke, and stroke + EA groups, respectively. Data are presented as the mean  $\pm$  SEM. EA: Electroacupuncture; L2/3: Layer 2/3; L5/6: Layer 5/6; M1: primary motor cortex; S1: primary somatosensory cortex.