



**Additional Figure 5 The activity of inhibitory neurons in Layer 5/6 located contralateral M1 and S1 is decreased after stroke, while this impairment is not thoroughly rescued by EA treatment.**

The inhibitory neuronal activity in Layer 5/6 located contralateral M1 and S1 is significantly impaired in Stroke group, and EA showed a tendency to enhance this impairment with no significance (A&B). Number of units in A = 25, 35, and 31 in the sham, stroke, and stroke + EA groups, respectively. Number of units in B = 84, 60, and 103 in the sham, stroke, and stroke + EA groups, respectively. Data are presented as the mean ± SEM. \* $P < 0.05$  (one-way analysis of variance with *post hoc* Bonferroni correction). EA: Electroacupuncture; Int: inhibitory neurons; L5/6: Layer 5/6; M1: primary motor cortex; S1: primary somatosensory cortex.