



**Fig S1 Verification of successful in vitro HL-1 cell rapid electronic stimulation (RES) modeling.** (a) qPCR was used to determine the mRNA levels of L-type calcium channels (LCC) (data were normalized to GAPDH,  $n=3$ ). (b) Representative blots of LCC. (c) Quantitative analysis of superoxide production measured by dihydroethidium (DHE) fluorescence using flow cytometry. Data are expressed as mean $\pm$ SD, \*\*  $P<0.01$ , \*\*\*  $P<0.001$ . LCC: L-type calcium channels; GAPDH: glyceraldehyde-3-phosphate dehydrogenase; DHE: dihydroethidium.