

Figure 1 – Supplement 2: Transduction with PSAM does not alter LC neuronal electrophysiological properties. A) *Whole cell current clamp recordings from LC neurons in pontine slices two weeks after in vivo transduction with LVPRS-EGFP-2A-PSAM. B) Schematic of action potential analysis. All spike measurements are taken with reference to the AP threshold defined as the point where velocity of depolarisation exceeded 7.5Vs-1. Data from 25 action potentials were averaged per cell. Input resistance was measured in voltage clamp from the average of 10 current responses to a 10mV membrane hyperpolarization C) No quantitative difference was observed in the intrinsic electrical properties between transduced (N=7) and non-transduced (N=8) LC neurons (unpaired t-test).*