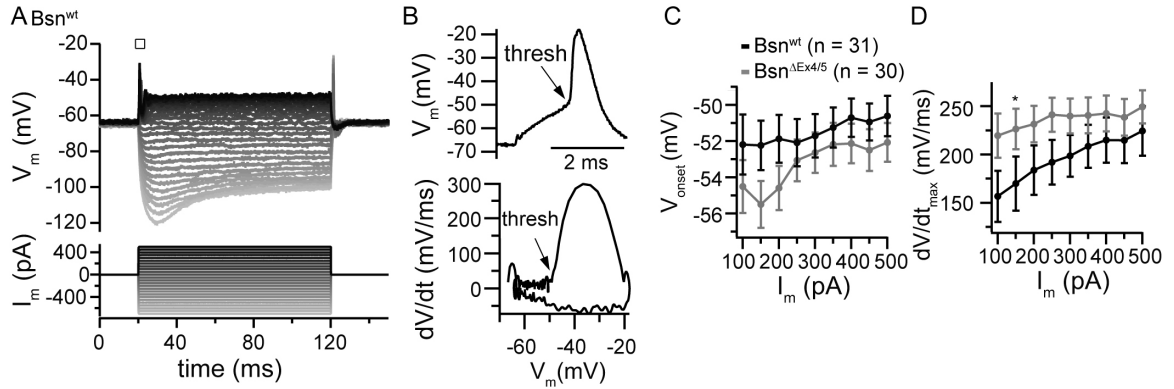


Figure S7: Analysis of BC action potential generation



A) Example traces in response to a current step protocol of a Bsn^{wt} BC. **B)** Enlarged plot of an action potential and its corresponding phase plot at the beginning of a depolarizing current injection. **C)** Action potential onset, defined as where the slope surpassed 45 mV/ms remain unchanged. **D)** $Bsn^{\Delta Ex4/5}$ BCs showed a trend towards faster maximum depolarization speed during action potentials.