## Supplement 1



## **C** 05/26/17 37Ab (50ug)



**Fig S1.** Relative expression of clones as determined by western blotting (A/B) and slot blot (C). Standards were imaged for signal intensity and plotted as shown in (B) for the illustrated Western blot.. Linear regression was then used to determine sample content.

## Supplement 2





## Supplement 3



Fig S3. Voltage-dependent gating of Cx37-WT . A) One cell of a pair was stepped in 20 mV steps beginning at ±10mV, illustrated current traces were derived from the cell clamped at 0 mV. Red trace show s response to ±110 mV pulses. B) Boltzmann fits for the WT data, showing error and confidence intervals. Data from 7 cell pairs. C) Boltzmann fits for all three isoforms displayed.