



Supplemental Figure: Effects of Kv1 blockade on the frequency-dependent gain. The gain was computed based on the responses to noise current (SD = 0.1 nA) in experiments where a target firing rate of 5 Hz was maintained by adjusting the DC offset. The analysis was performed as described previously (Higgs and Spain, 2009). **A.** Gain versus frequency in control solution and in the presence of DTX ($n = 4$). **B.** Gain versus frequency in control solution and during application of 4-AP ($n = 9$). With either DTX or 4-AP, the major effect was a large reduction of the high-frequency peak.