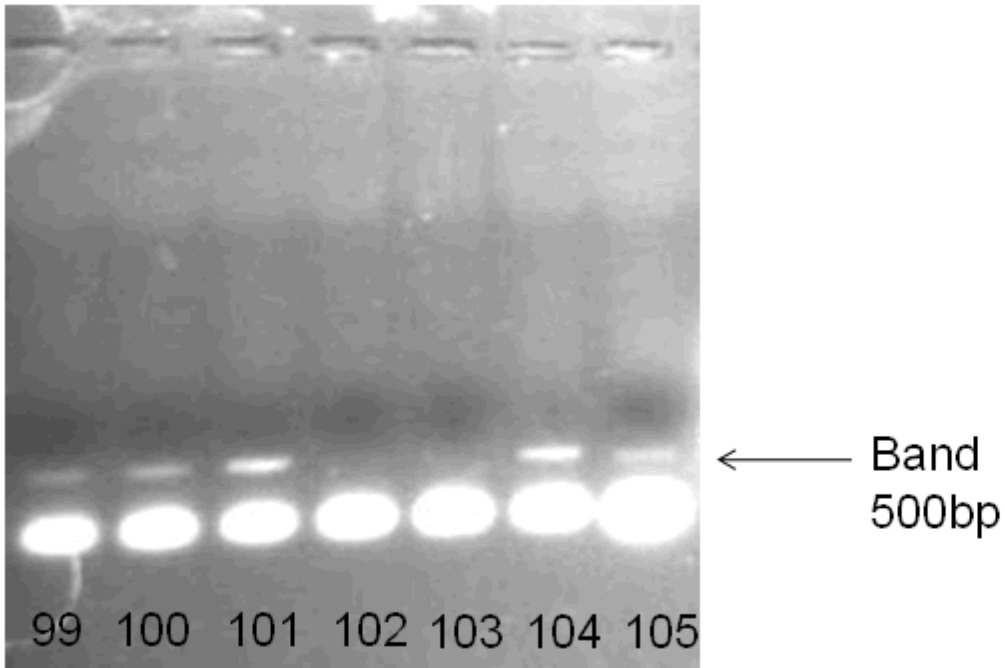


Supplementary Figures

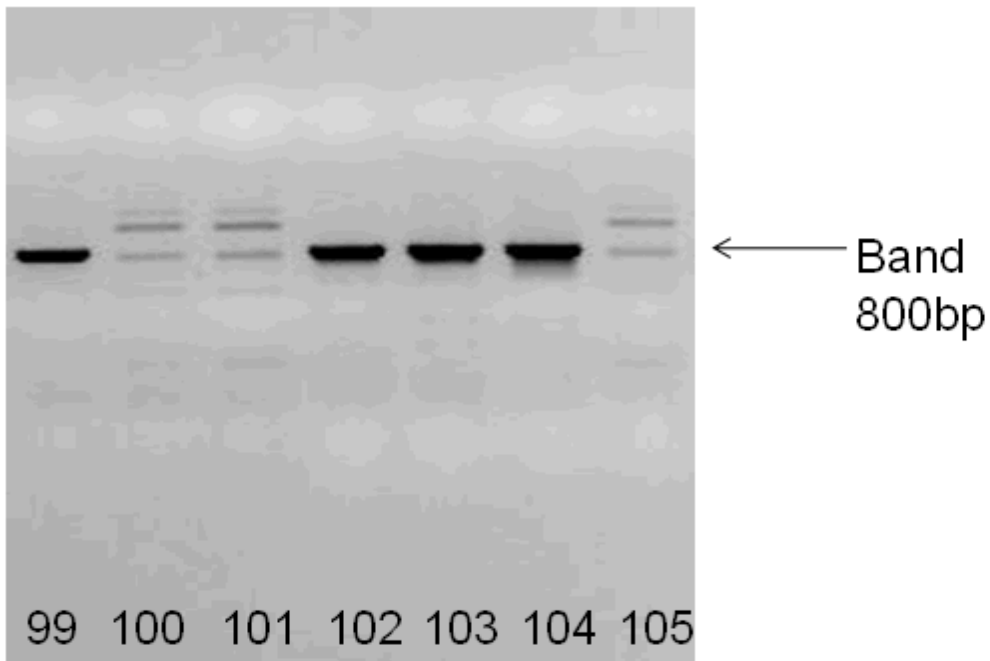
Fig. 1. **Examples of genotyping for (A) wild type and (B) $BK\alpha^{-/-}$ knockout alleles.** Samples 99 & 104 are from a heterozygote (band in WT and KO); 100, 101 and 105 from a WT homozygote (band in WT only); and 102 & 103 from a $BK\alpha^{-/-}$ knockout (band in KO only).

Fig. 2. **Representative traces of BK channel activity from whole-cell patch-clamp recordings of freshly isolated aortic smooth muscle cells from (A) wild type mouse and an absence of voltage-activated BK currents in (B) $BK\alpha^{-/-}$ mouse.**

A. Wild Type Genotyping



B. Knockout Genotyping



BKCa +/+

BKCa -/-

