

Supplementary Table 1: <i>KCNA1</i> Primers			
	Nucleotide position (A of the ATG = 1)	Forward Primer	Reverse Primer
Fragment 1	From -67 to 373	5'-ctggtcctggctgcttc-3'	5'-cctcgcccaactcgtaaac-3'
Fragment 2	From 264 to 706	5'-cgcagctcaagaccctggcg -3'	5'-gaaggggtctgtgaagatgt-3'
Fragment 3	From 569 to 1008	5'-ccgagctgaaggatgacaa-3'	5'-cccgatgaagaggaaaaaga-3'
Fragment 4	From 864 to 1301	5'-ggccatcctcagggtcat-3'	5'-taggggaactgacgtggag-3'
Fragment 5	From 1124 to +42	5'-acggtgacatgtaccctgtg-3'	5'-agctgctaagtgggctttt-3'

*M13 tails were included in all primers.

Supplementary Table 2: PCR Conditions for primers			
Step	Temperature (°C)	Duration (minutes)	Cycles
Denaturing	94	5	1
Amplification	95	0.5	30
	55	0.5	
	72	0.5	
Elongation	72	7	1