

**Supplementary Table 1.** Primers for genotyping of SNPs in *TCF7L2*, *KCNQ1*, and *KCNJ11* genes

Gene and SNP	Method	Primer	Sequences (5'-3')	PCR amplicon size, bp	Restriction enzyme	Digested products, bp (and alleles)	Annealing temperature, °C	MgCl <sub>2</sub> , mM
<i>TCF7L2</i>								
rs7903146	PCR-RFLP	F	TGGTAATGCAGATGTGATG	170	HpyCH4 III	TT=170 CC=148, 22	55	2.5
		R	TCATACGGCAATTAAATTATACA					
rs290487	AS-PCR	F (outer)	TACTTTTGGGATTCTGCCCTTTC	283			52	2.0
		R (outer)	CTCCTCTCATGCTGCTCATTTTT					
		F (T allele)	CCAGTACAAATCATGGTGACACAAT	200				
		R (C allele)	CACCTTCTCATTTTTCAATTTTTTCG	133				
<i>KCNQ1</i>								
rs2237892	AS-PCR	F (outer)	CTGGCTTGAGCATGTACACAGG	330			5.8	1.5
		R (outer)	GCTGGTAGGGAACAACCTGGAGAC					
		F (C allele)	TGTCACAGGACTTTGCCAACC	149				
		R (T allele)	GTTTCTAGGCCCTCACCACA	223				
rs2237897	PCR-RFLP	F	GACACCGTCTTGAGCCAGCAGG	167	HpyCH4 IV	TT=167 CC=145, 22	65	1.5
		R	AGGGGAAGGATGAGGCCCCAC					
<i>KCNJ11</i>								
rs5219	AS-PCR	F (outer)	TGCTCCCGGATGTTCTTGTG	236			62	1.5
		R (outer)	AGGACTCTGCAGTGAGGCCCTA					
		F (T allele)	GGGCACGGTACCTGGGCTT	166				
		R (C allele)	CTGGCAGAGGACCCTGCCG	107				

SNP, single nucleotide polymorphism; *TCF7L2*, transcription factor 7-like 2; *KCNQ1*, potassium voltage-gated channel subfamily Q member 1; *KCNJ11*, inwardly-rectifying potassium channel, subfamily J, member 11 gene; PCR, polymerase chain reaction; bp, base pair; RFLP, restriction fragment length polymorphism; F, forward; R, reverse; AS, allele-specific.