

Primer	Sequence
hERG1: Forward	5'-AGAACTGCGCCGTCATCTACTGCA-3'
hERG1: Forward (qRT-PCR)	5'-GAGCGCAAAGTGGAATCGCC-3'
hERG1: Reverse	5'-ACCATGTCCTTCTCCATCACCACCT-3'
hERG1B: Forward	5'-AGCCCGCTACCACACACAGATGCT-3'
hERG1B: Reverse	5'-AGATGAAGTACAGGGCGGTGAGCA-3'
hERG1B: Reverse (qRT-PCR)	5'-AAGCCCTTCAGCACCGCGTTC-3'
Kir1.1: Forward	5'-GGCTACCGTTTTGCTCCCATAG-3'
Kir1.1: Reverse	5'-CATAGCCTCTCTTCATCCTGGC-3'
Kir2.1: Forward	5'-GCTATGGTTTCAGATGTGTACGGAT-3'
Kir2.1: Reverse	5'-ATTTGAGGAGCTGTGCTCGAACATGA-3'
Kir2.1: Reverse (qRT-PCR)	5'-CTTTGGCTTTGCCATCTTGGC-3'
KCNQ5: Forward	5'-AACGTCAAGTACCGGCGGGTGCAG-3'
KCNQ5: Reverse	5'-ACGGAGACTTCTGAGTGCAGACGTG-3'
KCNQ5: Reverse (qRT-PCR)	5'-TTTGTGTGCTCAGGGATGGTAGAA-3'
mERG1: Forward	5'-GCAGAGGAGCGCAAAGTGGA-3'
mERG1: Reverse	5'-CAGGTCCACATCCACCACCA-3'
mERG1: Reverse (qRT-PCR)	5'-CCATGTCCTTCTCCATCACTACTTC-3'
mERG1B: Forward	5'-CGTACCACCTATGTTAATGCCAAC-3'
mERG1B: Reverse	5'-CATGAGCAGGAAGAGCACTGCTG-3'
mERG1B: Reverse (qRT-PCR)	5'-GATCAGCTCCTCGGAGCCAGA-3'
GAPDH: Forward	5'-CAAGGTCATCCATGACAACTTTG-3'
GAPDH: Reverse	5'-GTCCACCACCCTGTTGCTGTAG-3'
GAPDH: Forward (qRT-PCR)	5'-TTGGTATCGTGGAAGGACTC-3'
GAPDH: Reverse (qRT-PCR)	5'-ACAGTCTTCTGGGTGGCAGT-3'

For each gene amplification the primer that was specifically designed for quantitative real-time PCR is marked as qRT-PCR