



***kcnj2b*^{ihb388/+} (CZRC catalog ID: CZ1340)**

Nature of the mutation

Between 23 bp to 26 bp of the wild-type *kcnj2b* coding sequence, GATA is mutated to ATAGGGGGCACT in exon 1.

Sense Strand Sequence

ctaaagcagacgaggetcagccccctacacggaagcgATGGGAAGCGTGAGAGCCCACCGATACAGC
ATAGTTTCC TCAGAAGAAGGTGGGATGAAGTTGTCCCCATTGCTATTCAAACGG
CTACGGCAATGGAAAAGTGAGCACCACAGATCACGAGCAACAGCAAACGCAAAA
CCGATTCGTCAACAAGGATGGACGCTGCAATGTACAGTTCATCAACATGAGCGAA
AAAGGTCAGCGATACCTAGCTGATATCTTCACAACATGCGTTGACATTCGCTGGCG
TTGGATGATGGTCCTTTTTTTCCTGTCCTTCCTATTGTCTTG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

***kcnj2b*_forward:** 5' CTAAAGCAGACGAGGCTCAG 3'

***kcnj2b*_reverse:** 5' CAAGACAATAGGAAGGACAG 3'

PCR program:

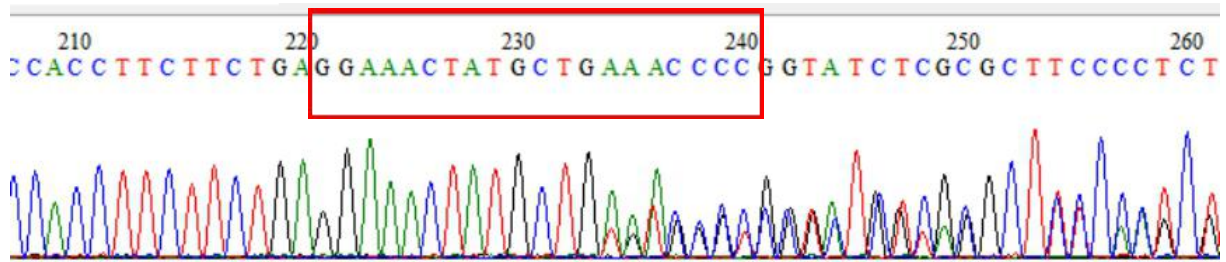
95°C	5min	} 30 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 331 bp





The sequencing results of the CZ1340:



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WT          ATGGGAAGCGTGAGAGCCCACCGATA-----CAGCATAGTTTCCTCAGAAGAAGGT
ihb388      ATGGGAAGCGTGAGAGCCCACCATAGGGGGCACATCAGCATAGTTTCCTCAGAAGAAGGT
*****

WT          GGGATGAAGTTGTCCCCCATTGCTATTCAAACGGCTACGGCAATGGAAAAGTGAGCACC
ihb388      GGGATGAAGTTGTCCCCCATTGCTATTCAAACGGCTACGGCAATGGAAAAGTGAGCACC
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Reference:

None

