



## ***kcnj6*<sup>ihb445/+ (AB)</sup> (CZRC catalog ID: CZ1394)**

### **Nature of the mutation**

5bp deletion, Between 326bp to 331bp of the wild-type *kcnj6* coding sequence, ACATT is deleted in exon1.

### **Sense Strand Sequence**

GTCCGCAAAGACGGCAAGT GCAACGTGCACCACGGAAACGTGCGGGAGACCTAC  
CGCTACCTGACGGACATCTTACCACGCTGGTGGACCTCAAGTGGAGGTTCAACC  
TGTTTCATCTTCGTGCTGGTCTACACCGTCACCTGGCTGTTCTTCGGCTTCATGTGG  
TGGCTGATCGCCTACATTCGAGGAGATCTGGAGCACATCGGAGACAACCAGTGG  
ACTCCCTGCGTCAACAACCTGAACGGCTTCGTGTCCGCATTCTGTTCTCGATAGA  
GACTGAGACCACCATCGGCTACGGCCACCGCGTCATCACCGACAAGTGTCCGGA  
GGGCATCGTGCTGCTGCTGGTGCAGTCGGTGGTGGGCTCCATCGTCAACGCCTTC  
ATGGTGGGCTGCATGTTTCGTCAAGATCTCGCAGCCCAAGAAGCGCGCCGAGACG  
CTGGTCTTCTCCACCAACGCCGTC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1394\_forward:5'- GTCCGCAAAGACGGCAAGT -3'

CZ1394\_reverse:5'- GACGGCGTTGGTGGAGAA -3'

#### **PCR program:**

|      |       |   |           |
|------|-------|---|-----------|
| 95°C | 5min  | } | 30 cycles |
| 95°C | 30sec |   |           |
| 65°C | 30sec |   |           |
| 72°C | 30sec |   |           |
| 95°C | 10min |   |           |
| 4°C  | hold  |   |           |

**Product size: 462bp**

### **Reference**

None

