



## ***kcnv2b*<sup>ihb513/+</sup> (CZRC catalog ID: CZ1455)**

### **Nature of the mutation**

4bp deletion, Between 1091bp to 1095bp of the wild-type *kcnv2b* coding sequence, CAGG is deleted in exon1.

### **Sense Strand Sequence**

GCATCACCTTCTTCACAATTGAGTATCTTCTGCGTGTAATTCGACGCCAGATATC  
TGTCGCTTCTTTAAGAGCATGCTGAACGCTGTTGACCTCATGGCCATACTACCACA  
AATTCTCCAGTTCATGCTTGAGAACTTTGAAACCTTCGGATCTAGGAATCAAAGCG  
CTGATATGGAGACTGTGGGGCAGGTGGGAAAGGTGGGACAGGTGCTGCGGATCAT  
GCGCCTCTTGCGAATCTTTCGGGTCTTGAAATTGGCACGTCACTCTACGGGACTGC  
GGGCATTTGGGTTTACATTGAAGCAGTGCTATCAGCAGGTGGGATGTCTGTTTCTC  
TTCATTGCGATGGGGATCTTCACGTTCTCAGCCATGGTTTATTCGGTCGAATATGAC  
GTCCCTAAAACCAACTTTACCAGTATTCCTCATTCTGGTGGTGGGCTTCTgtaagtaa  
cttctacttatgtaaatcatagaaatgtgatactgttactgttgattgttgaatgcttcttggagattatggaggacttactcaagctgat  
gtcctctgaaagcact

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1455-forward: 5' GCATCACCTTCTTCACAATT 3'





国家水生生物种质资源库国家斑马鱼资源中心  
China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

CZ1455-reverse: 5' AGTGCTTTCAGAGGACATCA 3'

**PCR program:**

95°C	5min	}	30 cycles
95°C	30sec		
60°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

**Product size: 565bp**

**Reference**

None

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