



## ***kcnv2b*<sup>ihb512/+</sup> (CZRC catalog ID: CZ1454)**

### **Nature of the mutation**

1bp deletion and 9bp insertion, Between 1083bp to 1084bp of the wild-type *kcnv2b* coding sequence, C is mutated into AAAGGTGAA in exon1.

### **Sense Strand Sequence**

**GCATCACCTTCTTCACAATT**GAGTATCTTCTGCGTGTAATTTGACGCCAGATA  
TCTGTCGCTTCTTTAAGAGCATGCTGAACGCTGTTGACCTCATGGCCATACTACCAC  
AAATTCTCCAGTTCATGCTTGAGAACTTTGAAACCTTCGGATCTAGGAATCAAAGC  
GCTGATAT**GGAGACTGTGGGGCAGGT**GGGAAAGGTGGGACAGGTGCTGCGGATC  
ATGCGCCTCTTGCGAATCTTTCGGGTCTTGAAATTGGCACGTCACTCTACGGGACT  
GCGGGCATTGGGTTTACATTGAAGCAGTGCTATCAGCAGGTGGGATGTCTGTTTC  
TCTTCATTGCGATGGGGATCTTCACGTTCTCAGCCATGGTTTATTTCGGTTCGAATATG  
ACGTCCTAAAACCAACTTTACCAGTATTCCTCATTCTGGTGGTGGGCTTCTgtaagt  
aaacttctactatgtaaatcatagaaatgtgatactgttactgttgattgtgaaatgcttctcttgagattatggaggacttactcaagc  
**gatgtcctctgaaagcaact**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

**atcg**: Forward/Reverse primer

**atcg**: Crispr/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1454-forward: 5' GCATCACCTTCTTCACAATT 3'

CZ1454-reverse: 5' AGTGCTTTCAGAGGACATCA 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)

**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

**Address:** Institute of Hydrobiology, CAS  
No. 7 Donghu South Road, Wuhan 430072, China  
**Email:** zebrafish@ihb.ac.cn

**Tel:** 86-27-68780570  
**Web:** www.zfish.cn



Official WeChat