



***kcnv2a*^{ihb511/+} (CZRC catalog ID: CZ1453)**

Nature of the mutation

20bp deletion, Between 1175bp to 1195bp of the wild-type *kcnv2a* coding sequence, AATGTTACCAACAAGTGGGC is deleted in exon1.

Sense Strand Sequence

AGCTTCCAGTTTCTTCGTGC TGGTATCACTTGTGGCAATGACGCTCAACACGG
TAGAGGAAATGCAATACATAACAACCAATGGACAATAAGTGGAAAGACCTACTG
TGAGTATGTCGAGACTTTCTGTATTGCATTTTTACCATGGAATACCTGCTCCGGCT
TGTGTCCACGCCAGACCTCACACGCTTTGGGAGAAGTGTGTTGAATGCTGTGGAC
CTGATTGCAATCTTCCATTGTACCTTCAAATGGTTCTAGAGTCTTTTGAGAGTCAT
GACTACTGGAAACATGGTAGTGATATTGAGACAGTAGGACGGGTCGGTAAATTGG
GCCAAGTTCTCAGAATCATGCGTCTGATGAGGATATTCGTATCCTTAAATTAGCAC
GCCACTCTACTGGACTTCGAGCATTTCGGCTTCACGCTTCGGCAATGTTACCAACAA
GTGGGCTGTCTGTTCCTTTCATTGCAATGGGAATCTTAACATTTTCGGCCATGGTG
TATACCGTCGAGCATGATGTGCATAAAACAACTTCACCAGCATTCCACATGCATG
GTGGTGGGCAGCTgtaagtacatctatttcgaattactgtataaaatgccgtgaatgtatctgggtaataataacctggg
ggtgttcaattctgtcc

Uppercase: Exon/coding sequence
Lowercase: intron/noncoding sequence
atcg: Forward/Reverse primer
atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1453-forward: 5' AGCTTCCAGTTTCTTCGTGC 3'

CZ1453-reverse: 5' GGACAGAATTGAACACCCCC 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: 660bp

Reference

None

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