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klf2b$^{ihb249/+}$ (CZRC catalog ID: CZ456)

Nature of the mutation

Between 655 bp to 661 bp of the wild-type *klf2b* coding sequence, GCGTATC is mutated to TGA in exon 2.

Sense Strand Sequence

GGCAGAGCTCCTGCGATCTGATGTAGACTCCACGTATGACACCACAGTGCAGGGGAGA
TTCCTGCTCAACTCCAGCGGCTTCCCCAGACAGGAGTTTCCTGAAATCAAAGTGGAGC
CGCCGATGGATGGCTACGGTCCGGTGATAGGCATGGTGCCACAAACCTGCCAAAAAAT
CAAGCAGGAAGGCAACGTTTCATGCATGATGTCTTTCGAGCAGCCCAGACTAGCAGTT
TCTCCGCAGGCCACCGGGAATATGACTCCTCCGCTGAGTCCTGACGACTCCCACCTCC
GTCAAACGACATATACACAGAGCTACCATCACTCTCCTCCGGCGTATCCGCAGGTGCCA
ATGCAGTTCACCGCGCCACACCAGTTTGCCATGTATGAGGAGGCAATGGGGATGCAAC
CCAGCATGCAGCGGGCTCTTCTCACTCCTCCGTCCTCTCCGTTAGAGCTAATGGAGTCT
AAACCCAAGCGAGGGCGACGCACCTGGCCGAGGAAGCGCATGGCGACACATACATGC
ACATACGCCGGCTGCGGGAAGACGTACACCAAAAGCTCC

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

Genotyping assay

Primers:
klf2b_forward: 5’ GGCAGAGCTCCTGCGATCTG 3’
klf2b_reverse: 5’ GGAGCTTTTGGTGTACGTCT 3’

PCR program:

95℃	5min	
95℃	30 sec	30 Cycles
60℃	30 sec	
72℃	30 sec	
72℃	8min	
4℃	hold	

Product size: 562 bp

The sequencing results of the CZ456:

Reference:

None