



***sox19b*^{ihb426/+} (CZRC catalog ID: CZ1255)**

Nature of the mutation

3bp deletion and 8bp insertion, Between 198bp to 201bp of the wild-type *sox19b* coding sequence in exon1, TCA is mutated to AGGAAGAG.

Sense Strand Sequence

CTGCTGCTTTTATTGGGGTGCTTTCTTCAGCCAGACAATCAAAAGTCTTCACCTG
CGCCGGATTTGTTTGACCTGATTAGGCTCGCTCGTGCACCTTTTAATTGGCTGCTTTA
GCATTGCGCGGTTGAAACTCAAAGCGAGAAGTGGCATGATGTACAGCATGATGGA
GCACGAGCTGAAGACCGCTGGTCCACCCACACCCTCCAGCACAGCCCGGGCATG
TCTCCTCCGGGCAGCGGGGTGGGAAACGCGCACCACGGTTCGAAAACCGCTTGTC
CGCCAGGCGTGGACCCGATGGACAAAGTCAAGCGGCCCATGAACGCGTTTAT**GGT**
CTGGTCTCGGGGTCAGAGGAGGAAGATGGCCCAGGAGAACCCTAAAATGCACAA
CTCTGAGATCAGCAAACGGCTCGGCGCGGAGTGAAACTTTTAACGGACGTGGAG
AAGCGGCCGTTTCATCGACGAGGCCAAGCGGCTGCGGGCGGTGCACAT**TGAAGGAG**
TACCCCGACTA

atcg:Forward/Reverse primer

atcg:Crisper/cas9 target site

Genotyping assay

Primers:

CZ1255_forward:5'- gcagcagcgtctgtattat-3'

CZ1255_reverse:5'- gctaatcattttgacttggac-3'

PCR program:

95°C 5min
95°C 30sec
58°C 30sec
72°C 30sec } 30 cycles
95°C 10min
4°C hold

Product size: 436bp

