



***tcf7l2*^{ihb316/+*(AB)*} (CZRC catalog ID: CZ1216)**

Nature of the mutation

10bp of "ACGATCTGGG" deletion from position 936bp exon1 of wild-type *tcf7l2* coding sequence.

Sense Strand Sequence

ACACTCACCCAGCCAAACGCCACTGCGAGTCCCTAAACTTAAACTCGGGATTTCG
GGGATCACACCAAGATCAAGGGTTTAAAACTTTTGGGTGTTTTTGGCCCCCGCA
AAATTAGCGCTCCTCGGGAATAATGCCGCAGCTGAACGGTGGTGGAGGGGACGAT
CTGGGTGCGAACGATGAAATGATTTCTTCAAAGACGAAGGCGAGCAGGAGGAA
AAGATTTTCGGAGAACTCCTCAGCAGAAAGGATTTAGCAGATGTCAAGTCTTCTCT
CGTAAACGAGTCGGAAACGAATCAAACAGCTCTTCGGATTCCGAGgtaagtgacaataa
gcggaatccggaactgtccacaagtttacatgcacttttctgcttaaacacgctgctaactagctaacgtaacgatctcctcgtgtg
attattcaatgcattccctgtgtttcgttcattcaagGCGGAAAGACGGCCTCCGCCTAGATCTGAAAGT
TTCAGAGACAAAACAAGAGAAAGTTTAGAGGAGGGTGAGTGCTTCTTTTCTCTAA
ATCTCCTTCTTTTTGTTTTTGCACAGGACAACAACACGGTGCATCGGTTTCACTTTG
CTTCTGCACATACGTAACCTTACAAAGTTTTTTGGGAATGTAACCTTAAACTAAAAGTT
TTCCTCTTTTCCCCCGCCATGTTAGCTGCAAAAAGGC AAGATGGAGGGCTGTTC
A

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1216_forward: 5'-ACACTCACCCAGCCAAAC-3'

CZ1216_reverse: 5'-TGAACAGCCCTCCATCTT-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
95°C 30sec } 30 cycles
58°C 30sec }
72°C 30sec }
95°C 10min
4°C hold

Product size: 727bp

