



hey2^{ihb463/+ (AB)} (CZRC catalog ID: CZ1414)

Nature of the mutation

4bp insertion, Between 41bp to 42bp of the wild-type *hey2* coding sequence, TATC is deleted in exon4.

Sense Strand Sequence

Gttaggaggggaaacaagtttagtntttcactcagacattaaacagaatatatttagagcaataattacaataaccgtaaagtgtgata
aagttatcataccatcagaatcttataaccggagcatgcctacttgcaatatgaaaagtattagtctagtaattataataaatcaaaagtaagt
ggaagagtgtgtgtcacgttattcatcaaagcagtcattataaaaactcctcgcattatcctgttcttctccaagGGATCTGC
CAAGTTGGAGAAAGC GGAAATATTGCAGATGACAG TGGATCATCTGAAGATGCTT
CAGGCCACAGGAGGAAAAGgtagaccgcatgtattggctcaccacctaagctgtagtgaatctgagcacggagt
tccttttgaccagattaaagtggaaatcaatgtaatggtaggattgaactcgtggaaaagtccggcaggacaaaagaagcacttga
ccctgggattgtgtttgctttcataaatccatgggaggggagtgaggccacattcacaggctgcactgttgggggtttgttagggctttca
gat

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1414_forward:5'- GTTAGGAGGGGAAACAAGTT -3'

CZ1414_reverse:5'- ATCTGAAAGCCCTAACAAAC -3'

PCR program:

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

Product size: 590bp

Reference

None

