



***hey2*^{ihb464/+ (AB)} (CZRC catalog ID: CZ1415)**

Nature of the mutation

10bp deletion, Between 39bp to 49bp of the wild-type *hey2* coding sequence, GACAGTGGAT is deleted in exon4.

Sense Strand Sequence

Gttaggaggggaaacaagtttagtntttcactcagacattaaacagaatatatttagagcaataattacaataaccgtaaagtgtgata
aagttatcataccatcagaatcttataaccggagcatgcctacttgcaatatgaaaagtattagtctagtaattataataaatcaaaagtaagt
ggaagagtgtgtgtcacgttattcatcaaagcagtcattataaaaactcctcgcattatcctgttcttctcccaagGGATCTGC
CAAGTTGGAGAAAGC GGAAATATTGCAGATGACAG TGGATCATCTGAAGATGCTT
CAGGCCACAGGAGGAAAAGgtagaccgcatgtattggctcaccacctaagtctgtagtgaatctgagcacggagt
tccttttgaccagattaaagtggaaatcaatgtaatggtaggattgaactcgtggaaaagtccggcaggacaaaagaagcacttga
ccctgggattgtgtttgctttcataaatccatgggaggggagtgaggccacattcacaggctgcactgttgggggtttgttagggcittca
gat

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1415_forward:5'- GTTAGGAGGGGAAACAAGTT -3'

CZ1415_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

