



***ednrba*^{ihb437/+} (CZRC catalog ID: CZ1387)**

Nature of the mutation

Between 233 bp to 235 bp of the wild-type *ednrba* coding sequence, TCA are mutated to G in exon 1.

Sense Strand Sequence

AGCCTACAGACGGGTTGATAATCTGTGTTATGCTAAAGAAAACAGTGCTGACTGTTA
AATAGTCATGCGTTTCCAAATTATTATGGAAACAAGATGCGTTTTTTGTTTTTTGTTT
CTCCTGACTGAACACATTGCAGTGATGAGTGCTCAAGGAAAGGATTTAATCAGA
GTCGGCTTTCATGGGACCTTTGTCTCCAACCTCAAAAATCTACGATTGTAATAGGA
AACCAGATCAACGAGTCCATGCCTCGGCGACCAAAAGTTTTGCCTCCTATGTGTAC
AGATCCCACGGAAATCAGGGACACCTTCAAGTATATTAACACCGTGGTTTCATGCC
TTGTATTTGTAGTTGGTATAATCGGAAATTCCACGCTGCTTAGAATCATTATAAAAA
CAAATGCATGCGGAACGGTCCAAATATTCTCATTGCAAGTCTGGCGCTTGGGGACC
TCTTACACATC

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

***ednrba*_forward: 5' AGCCTACAGACGGGTTGATA 3'**

***ednrba*_reverse: 5' GATGTGTAAGAGGTCCCAA 3'**

PCR program:

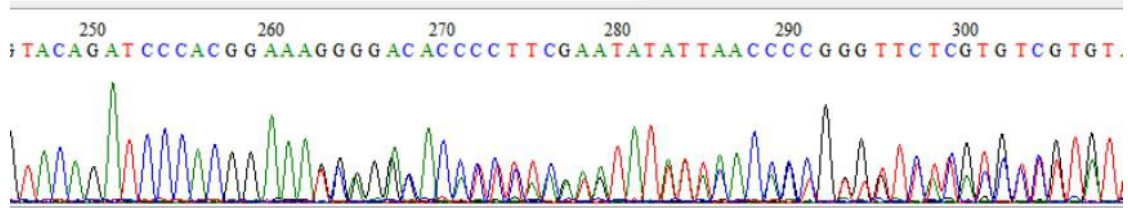
95°C	5min	
95°C	30 sec	} 30 Cycles
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 462 bp





The sequencing results of the CZ1387(+/-):



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WT          ATGGGACCTTTGTCTCCAACCTCAAAAATCTACGATTGTAATAGGAAACCAGATCAACGAG
CZ1387      ATGGGACCTTTGTCTCCAACCTCAAAAATCTACGATTGTAATAGGAAACCAGATCAACGAG
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WT          TCCATGCCTCGGCACCAAAAAGTTTTGCCTCCTATGTGTACAGATCCCACGGAAATCAGG
CZ1387      TCCATGCCTCGGCACCAAAAAGTTTTGCCTCCTATGTGTACAGATCCCACGGAAA--GGG
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WT          GACACCTTCAAGTATATTAACACCGTGGTTTCATGCCTTGTATTTGTAGTTGGTATAATC
CZ1387      GACACCTTCAAGTATATTAACACCGTGGTTTCATGCCTTGTATTTGTAGTTGGTATAATC
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