



gper1^{ihb374/+} (CZRC catalog ID: CZ1296)

Nature of the mutation

Between 269 bp to 275 bp of the wild-type *gper1* coding sequence, ATCTTAT was inserted in exon 2.

Sense Strand Sequence

TCAGATTTATGTGAATGGCA CCGAGCAGTTCAATGCTTCGTTTGACTTCAACATAAC
TGATGTGAAAGAAAGCACAGACACCTATGAGTTTTACATCATCGGCCTGTTTCTCT
CATGCCTGTACACCATTTTCTTTTCCCAATTGGTTTCATTGGGAACATCCTCATT
GGTGGTCAACCTCAACCACAGGGAGAGGATGACCATCCCAGATCTGTACTTTGTC
AACCTGGCTGTGGCAGATCTTATTCTGGTGGCAGACTCTCTCATTGAAGTCTTCAA
TCTCAACGAGAAGTACTACGACTATGCTGTACTGTGTACCTTCATGTCGCTTTTTCT
CCAGGTAAACATGTATAGCAGCATCTTCTTCTGACATGGATGAGTTTCGACCGCTA
CGTTGCTCTCACCAGCTCTATGAGCAGCAGTCCATTGCGAACCA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

CZ1296_forward: 5' TCAGATTTATGTGAATGGCA 3'

CZ1296_reverse: 5' TGGTTCGCAATGGACT 3'

PCR program:

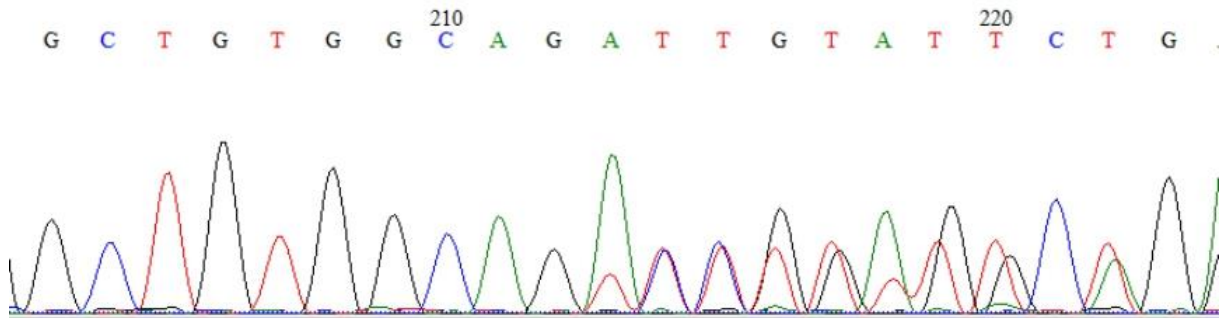
95°C	5min	
95°C	30 sec	} 30 Cycles
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 440 bp





The sequencing results of the CZ1296:



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WT      GTACACCATTTTCCTTTTCCCAATTGGTTTCATTGGGAACATCCTCATTGTTGGTGGTCAA
CZ1296  GTACACCATTTTCCTTTTCCCAATTGGTTTCATTGGGAACATCCTCATTGTTGGTGGTCAA
*****

WT      CCTCAACCACAGGGAGAGGATGACCATCCCAGATCTGTACTTTGTCAACCTGGCTGTGGC
CZ1296  CCTCAACCACAGGGAGAGGATGACCATCCCAGATCTGTACTTTGTCAACCTGGCTGTGGC
*****

WT      AGATCTTATTCTGGTGGCAGACTCTCTCATTGAAGTCTTCAATCTCAACGAGAACTACTA
CZ1296  AG-----TCTGGTGGCAGACTCTCTCATTGAAGTCTTCAATCTCAACGAGAACTACTA
**      *****

WT      CGACTATGCTGTACTGTGTACCTTCATGTCGCTTTTTCTCCAGGTAAACATGTATAGCAG
CZ1296  CGACTATGCTGTACTGTGTACCTTCATGTCGCTTTTTCTCCAGGTAAACATGTATAGCAG
*****

WT      CATCTTCTCCTGACATGGATGAGTTTCGACCGCTACGTTGCTCTCACCAGCTCTATGAG
CZ1296  CATCTTCTCCTGACATGGATGAGTTTCGACCGCTACGTTGCTCTCACCAGCTCTATGAG
*****

WT      CAGCAGTCCATTGCGAACCA
CZ1296  CAGCAGTCCATTGCGAACCA
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Reference:

None

