



## *gper1*<sup>ihb499/+</sup> (CZRC catalog ID: CZ1287)

### Nature of the mutation

Between 278 bp to 279 bp of the wild-type *gper1* coding sequence, TTGGGTGGGTTTG was inserted in exon 2.

### Sense Strand Sequence

TCAGATTTATGTGAATGGCA CCGAGCAGTTCAATGCTTCGTTTGACTTCAACATAAC  
TGATGTGAAAGAAAGCACAGACACCTATGAGTTTTACATCATCGGCCTGTTTCTCT  
CATGCCTGTACACCATTTTCTTTTCCCAATTGGTTTCATTGGGAACATCCTCATTTT  
GGTGGTCAACCTCAACCACAGGGAGAGGATGACCATCCCAGATCTGTACTTTGTC  
AACCTGGCTGTGGCAGATCTTATTCTGGTGGCAGACTCTCTCATTGAAGTCTTCAA  
TCTCAACGAGAAGTACTACGACTATGCTGTACTGTGTACCTTCATGTCGTTTTTCT  
CCAGGTAAACATGTATAGCAGCATCTTCTTCTGACATGGATGAGTTTCGACCGCTA  
CGTTGCTCTCACCAGCTCTATGAGCAGCAGTCCATTGCGAACCA

**Uppercase:** Exon/coding sequence

**Lowercase:** intron/noncoding sequence

**atcg:** Forward/Reverse primer

**atcg :** Crispr/cas9 target site

### Genotyping assay

#### Primers:

**CZ1287\_forward:** 5' TCAGATTTATGTGAATGGCA 3'

**CZ1287\_reverse:** 5' TGGTTCGCAATGGACT 3'

#### PCR program:

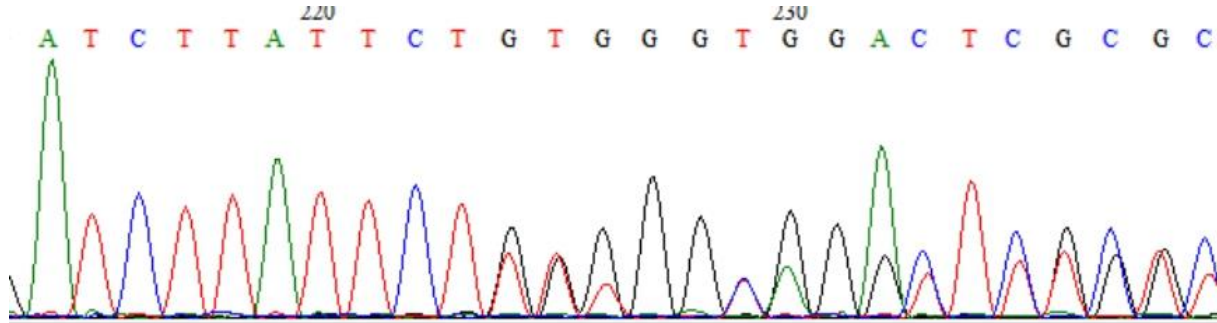
95°C	5min	
95°C	30 sec	} 30 Cycles
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

**Product size: 440 bp**





**The sequencing results of the CZ1287:**



WT	CCTCAAACCACAGG GAGAGGATG ACCATCCAGATCTGTACTTTGTCAAOC TGCTGTGGC
CZ1287	CCTCAAACCACAGG GAGAGGATG ACCATCCAGATCTGTACTTTGTCAAOC TGCTGTGGC
	*****
WT	AGATCTTATCTCT-----GGTGGCAGACTCTCTCATG AAGTC TTCAATCTCA
CZ1287	AGATCTTATCTTTGGGTGGGT TGGGTGGCAGACTCTCTCATG AAGTC TTCAATCTCA
	*****
WT	ACGAGAAGTACTAOGACTATGCTGTACTG TGTACCTTCATG TCGCTTTTCTOCAGG TAA
CZ1287	ACGAGAAGTACTAOGACTATGCTGTACTG TGTACCTTCATG TCGCTTTTCTOCAGG TAA
	*****
WT	ACATGTATAGCAGCATCTCTTCTOCTGACA TGGATGAGTTTCGACCGCTACGTGCTCTCA
CZ1287	ACATGTATAGCAGCATCTCTTCTOCTGACA TGGATGAGTTTCGACCGCTACGTGCTCTCA
	*****

**Reference:**

None

