

## *vclb*<sup>gd3/+</sup> (CZRC catalog ID: CZ257)

### Nature of the mutation

17 bp deleted from position 51 to 67

### Sense Strand Sequence

CTATAACAAATCAATGAGCA GTTCACATCAATGCCAGTGTTGATGACTCGTTTTAAGAA  
TGAATCAACTCGCGAACCGACTCACACGAACGATTCATTCGCTAGACTCGAAGTCGCG  
TCCCACGGTAGTTAGTTAGTTGTAGAGGGAGTCGGTGTGTGTTCTGGAGTGGGATAGT  
CTCGGATACGGATAGTGGAGTCTGGATACACATTTACCCTGAGAGTCTGCGATCACCTG  
AGCGATCATCATGCCGGTTTTCCACACGAAGACGATCGAGAGTATCCTGGAGCCGGTG  
GCCAGCAGATCTCCCATCTGGTGATCATGCACGAGGAGGGAGAGGTGGACGGGAAA  
GCCATCCCGGACCTCAGCGCTCCTGTGTTGGCCGTGCAGGCGGCTGTCAGCAACCTGG  
TCCGGGTAAGAGCTCCACTGATTCTCATCACATGTAAAAGTGCTTAAAAGCATCGAGTT  
TATTGTTGAAGTCTCCGCGAAAGTTTCCTGAAGTTCTCTGGCGTTGATCCAGAGCCAGT  
TCCGCCTTTTCCTCCAAGATTCGCCCTGCCTACTGTATTGCCCCACATTGAGGTAAAG  
CTGGGTTTATATTCGCAC

atcg : Forward/Reverse primer

### Genotyping assay

#### Primers:

**CZ257\_forward:** 5' CTATAACAAATCAATGAGCA 3'

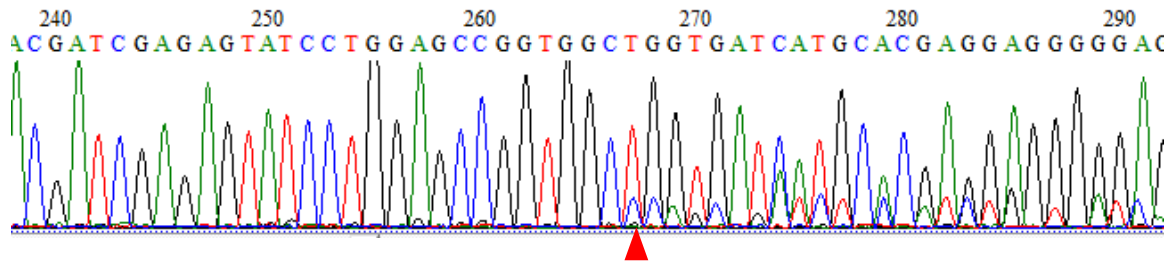
**CZ257\_reverse:** 5' GTGCGAATATAAACCCAGCT 3'

#### PCR program:

95°C 5min  
95°C 30 sec } 30 Cycles  
60°C 30 sec }  
72°C 40 sec }  
72°C 8min  
4°C hold

**Product size: 608 bp**

**The sequencing results of the CZ257:**



CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

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WT          CTATAACAAATCAATGAGCAGTTCACATCAATGCCAGTGTGATGACTCGTTTTAAGAAT
CZ257 (+/-) CTATAACAAATCAATGAGCAGTTCACATCAATGCCAGTGTGATGACTCGTTTTAAGAAT
*****

WT          GAATCAACTCGCGAACCGACTCACACGAACGATTCATTCGCTAGACTCGAAGTCGCGTCC
CZ257 (+/-) GAATCAACTCGCGAACCGACTCACACGAACGATTCATTCGCTAGACTCGAAGTCGCGTCC
*****

WT          CACGGTAGTTAGTTAGTTGTAGAGGGAGTCGGTGTGTGTTCTGGAGTGGGATAGTCTCGG
CZ257 (+/-) CACGGTAGTTAGTTAGTTGTAGAGGGAGTCGGTGTGTGTTCTGGAGTGGGATAGTCTCGG
*****

WT          ATACGGATAGTGGAGTCTGGATAACACATTTACCCCTGAGAGTCTGCGATCACCTGAGCGAT
CZ257 (+/-) ATACGGATAGTGGAGTCTGGATAACACATTTACCCCTGAGAGTCTGCGATCACCTGAGCGAT
*****

WT          CATCATGCCGGTTTTCCACACGAAGACGATCGAGAGTATCCTGGAGCCGGTGGCCCAGCA
CZ257 (+/-) CATCATGCCGGTTTTCCACACGAAGACGATCGAGAGTATCCTGGAGCCGGTGG-----
*****

WT          GATCTCCCATCTGGTGATCATGCACGAGGAGGGAGAGGTGGACGGGAAAGCCATCCC-GA
CZ257 (+/-) -----CTGGTGATCATGCACGAGGAGGGAGAGGTGGACGGGAAAGCCATCCC-GA
*****

WT          CCTCAGCGCTCCTGTGTTGGCCGTGCAGGCGGCTGTCAGCAACCTGGTCCGGGTAAGAGC
CZ257 (+/-) CCTCAGCGCTCCTGTGTTGGCCGTGCAGGCGGCTGTCAGCAACCTGGTCCGGGTAAGAGC
*****

WT          TCCACTGATTCTCATCACATGTA AAAAGTGCTTAAAAGCATCGAGTTTATTGTTGAAGTCT
CZ257 (+/-) TCCACTGATTCTCATCACATGTA AAAAGTGCTTAAAAGCATCGAGTTTATTGTTGAAGTCT
*****

WT          CCGCGAAAGTTTCTGAAGTTCCTGGCGTTGATCCAGAGCCAGTTCGCTTTTCTCTCC
CZ257 (+/-) CCGCGAAAGTTTCTGAAGTTCCTGGCGTTGATCCAGAGCCAGTTCGCTTTTCTCTCC
*****

WT          AAGA-TTCGCCCTGCCTACTGTATTGCCCCACATTGAGGTAAGCTGGGTTTAT
CZ257 (+/-) AAGATTTCGCCCTGCCTACTGTATTGCCCCACATTGAGGTAAGCTGGGTTTAT
**** *****
    
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**Reference:**

None