

***dvl1b*^{sdu31/+} (CZRC catalog ID: CZ1289)**

Nature of the mutation

Between 126 bp to 133 bp of the wild-type *dvl1b* coding sequence, CAACAGCT was deleted in exon 1.

Sense Strand Sequence

gcaccagacatctatcaggcctccataatggctctgctcttatccctagctttaaagtgcgcttaatccatagcttcaatcgcgccaaacg
cgtgattgcgttcatttagcatccatcatcccagaccttttaTTATTGTCGCCGCACGTCTGGACTGGCAGG
CAGCATCAGGAACACGCGCTGTTCTCCGGCAATTGTTCTCACCATATTCTCATGGC
GGAGACTAAAATCATATACCACATAGACGAGGAGGAAACTCCCTATTTAGTCAA
ACTGTCAGTGGCTCCGGAGAAGGTA ACTTTGGCGGATTTCAAAAATGTCCTCAGC
AACCGACC GGTC AACAGCTATAAATTCTTCTTCAAATCTATGGACCAGGATTTTCG
Ggtgagtgagaggatgccaggtgtattgtgttccttcatttgggtatgcagaacgaagctgt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg : TALENs target site

Genotyping assay

Primers:

CZ1289_forward: 5' GCACCAGACATCTATCAGGC 3'

CZ1289_reverse: 5' ACAGCTTCGTTCTGCATACC 3'

PCR program:

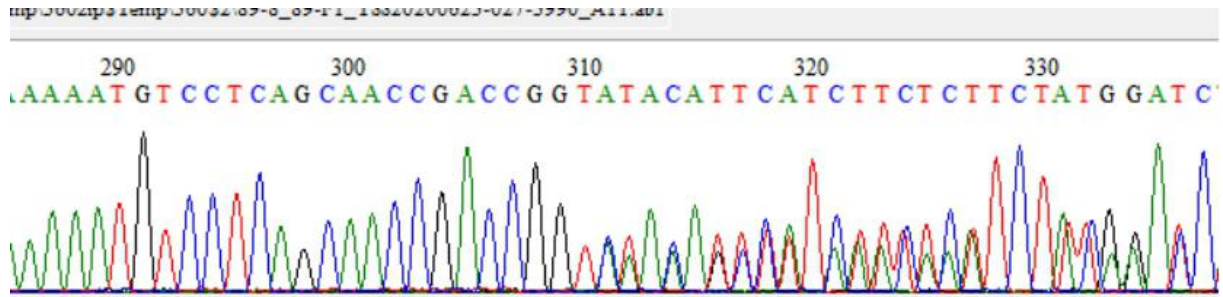
95°C	5min	} 30 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 450 bp





The sequencing results of the CZ1289:



WT	ATGTOCTCAGCAACCGACCGGTCAACAGCTATAAATCTTCTTCAAATCTAT
CZ1289	ATGTOCTCAGCAACCGACCGG-----TATAAATCTTCTTCAAATCTAT

Reference:

None

