



## ***tgfb1b*<sup>ihb421/+</sup> (CZRC catalog ID: CZ1364)**

### **Nature of the mutation**

Between 471 bp to 472 bp of the wild-type *tgfb1b* coding sequence, GATTCAG are inserted in exon 2.

### **Sense Strand Sequence**

caagTGGAGGAAAAACCAGAAAAGTACTTAGTTTTCAACATCACAGATATAAAGCAC  
AAACTGGGTGCAAATCATGTGCTCTACCAGGCCGAGTTTCGACTGCGCATCAAGG  
AACCTAAAATGGGGGATTCAGAGCAGAGAC  
TGGAGCTGTACCAGGTCACTGGGAACAAATCACGCTACCTGAACTCACGCTTCATT  
TCCCTTCAAACGGCTGGCAAGTGGGTGTCGTTTGATGTGACGTCCACCCTGAAAG  
ACTGGTTGCAGA

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

### **Genotyping assay**

#### **Primers:**

***tgfb1b*\_forward: 5' CAAGTGGAGGAAAAACCAG 3'**

***tgfb1b*\_reverse: 5' TCTGCAACCAGTCTTTCAG 3'**

#### **PCR program:**

95°C	5min	} 30 Cycles
95°C	30 sec	
56°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

**Product size: 265 bp**

