



## ***ccn4b*<sup>*hza103-1/+*</sup> (CZRC catalog ID: CZ 1457)**

**Target Position:** exon 2

### **Sense Strand Sequence**

agtgacggcttttgatgcttaagacgacgtgtttaaacatgaagagtgatattcactataatttcagattctgtctgttaagaaactaatcta  
ttgtatcctctgctatgaagttcttgaaacctgtttaaagggtccagattcaaaataattgcaaataaaactctctatcgcccaaagtggct  
aaaacatgacaagttgtctcttcttccacacagGCCAGTTCCACA ACTCCACAGACTCTCCTCCTA  
TGACCACAGAATTGGACCCTTATAACCGAAATCGATACTGTAAATGGCCCTGTAA  
GTGTCCAAGAGCGCCCTTGTGGCCACATGGGGTCAGTCTGTAAACGGATGGA  
TGTGACTGCTGCAAGGCTTGTGCCAAGCAGGCAGGAGAGACCTGTAATGAGAGA  
GATATCTGTGACTATCATAAAGGACTTTACTGTGACTACAGCGCTGACAAGCCGA  
GGTACGAAAAGGAGTGTGCG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

### **Genotyping assay**

#### **Primers:**

***ccn4b*\_forward:** 5' agtgacggcttttgatgctt 3'

***ccn4b*\_reverse:** 5' CGCACACTCCTTTTTTCGTACC 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: 499 bp**





The sequencing results of the *ccn4b*<sup>hza103-1/+</sup>:

**hza103-1: 4 bp deletion**

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Query 1 TCTTCCACACAGGCCAGTTTCCACAACCTCCACAGACTCTCCTCCTATGACCACAGAA 57
Sbjct 1 TCTTCCACAC----CAGTTTCCACAACCTCCACAGACTCTCCTCCTATGACCACAGAA 53
```

**Reference:**

None

