



## ***ccn4b*<sup>hza103-2/+</sup> (CZRC catalog ID: CZ 1458)**

**Target Position:** exon 2

### Sense Strand Sequence

agtgacggcttttgatgcttaagacgacgtgtttaaacatgaagagtgatattcactataatttcagattctgtcttgttaagaaactaatcta  
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	
95°C	30 sec	} 30 Cycles
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>hza103-2/+</sup>:

Hza103-2: 5bp deletion

```
Query 1 TCTTCCACACAGGCCAGTTTCCACAACCTCCACAGACTCTCCTCCTATGACCACAGAA 57
Sbjct 1 TCTTCCACACAG-----TTTCCACAACCTCCACAGACTCTCCTCCTATGACCACAGAA 52
```

**Reference:**

None

