

## *nrp1b*<sup>fh278/+</sup> (CZRC catalog ID: CZ115)

### Nature of the mutation

The *fh278* allele contains a single T-to-A point mutation that changes Leu into a premature stop codon at amino acid 116, resulting in truncation of the **nrp1b** protein.

### Genotyping assay

#### Primers:

**fh278\_forward:** 5' GGAGTATCCACATGCTGCTT 3'

**fh278\_reverse:** 5' CGCCTAATAATTCAGGAGGA 3'

#### PCR program:

95°C 5min

95°C 30 sec

58°C 30 sec

72°C 30 sec

72°C 8min

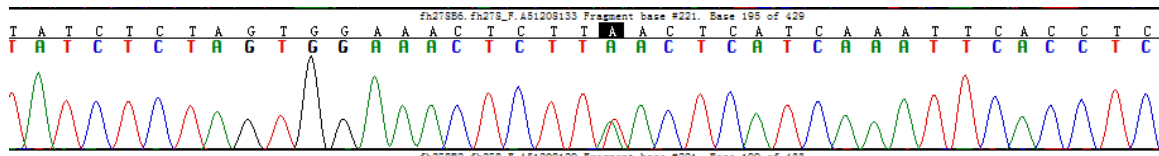
4°C hold

} 30 Cycles

**Product size: 447 bp**

### The sequencing results of the parents:

CZ115(+/-):TTATCTCTAGTGGAAACTCTT[T/A]ACTCATCAAATTCACCTCCGACTACGA



### Reference:

Taku, A.A., Marcaccio, C.L., Ye, W., Krause, G.J., Raper, J.A. (2016) Attractant and repellent cues cooperate in guiding a subset of olfactory sensory axons to a well-defined protoglomerular target. *Development* 143:123-32