



elovl4b^{ihb375/+ (AB)} (CZRC catalog ID: CZ1315)

Nature of the mutation

8bp insertion, Between 34bp to 35bp of the wild-type *elovl4b* coding sequence, TACATATC is inserted in exon5.

Sense Strand Sequence

ccattttgtgcatatgccacatttattaatgagttccagatctgtaaaaagaaattaagataatgactgatagatatgta
tctggtatttctgcagATAGCATCTGCTCTGTGGTGGTATTACATCTCCAAGGG
AGTGGAGTTTCTGGACACGGTCTTCTTCATCATGAGGAAGAAGTTTA
ATCAGGTCAGCTTCCTGCACGTCTATCACCCTGCACAATGTTTCATCC
TGTGGTGGATCGGCATCAAGTGGGTTCTGGTGGACAGTgtgagtacacaca
tagacacacacacgtttgttttgtgaactcggggacattac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1315_forward:5'- CCATTTTGTGCATATGCCAC -3'

CZ1315_reverse:5'- GTAATGTCCCCGCAGTTCAC-3'

PCR program:

| | | | |
|------|-------|---|-----------|
| 95°C | 5min | } | 30 cycles |
| 95°C | 30sec | | |
| 58°C | 30sec | | |
| 72°C | 30sec | | |
| 95°C | 10min | | |
| 4°C | hold | | |

Product size: 325bp

Reference

None

