

***nlgn2a^{ihb91/+}* (AB) (CZRC catalog ID: CZ214)**

Nature of mutation

ihb 91 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. Between 631 bp to 632 bp of the wild-type *nlgn2a* coding sequence, CAGCCTATGCAGCCTA, is inserted. The mutated *nlgn2a* codes for a truncated protein containing 216 aa, 210 aa of which is identical to wildtype *nlgn2a*.

Genotyping assay

Primers:

Ihb91_forward: 5' TTGTTCAAGATGTTTGTAGTGTG 3'

Ihb91_reverse: 5' GGTTTGTTACAAAGTCATGTC 3'

PCR program:

94°C 4min
94°C 30 sec } 30 Cycles
55°C 30 sec }
72°C 30 sec }
72°C 5min
4°C hold

Product size: 417 bp

The sequencing results of the parents:

CZ214 (+/-) TTGCAGCCTATGGGAACGTCAT (wild-type)

