

***nlgn2a*<sup>ihb90/+</sup> (AB) (CZRC catalog ID: CZ213)**

**Nature of mutation**

ihb 90 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, CTAA, is inserted. The mutated *nlgn2a* codes for a truncated protein containing 229 aa, 210 aa of which is identical to wildtype *nlgn2a*.

**Genotyping assay**

**Primers:**

Ihb90\_forward: 5' TTGTTCAAGATGTTTGTAGTGTG 3'

Ihb90\_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:**

CZ213 (+/-) TTGCAGCCTATGGGAACGTCAT (wild-type)

