

***nhsa*^{ihb89/+} (AB) (CZRC catalog ID: CZ212)**

Nature of mutation

ihb 89 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. Between 1304 bp to 1305 bp of the wild-type *nhsa* coding sequence, CTGGTACTGG, is inserted. The mutated *nhsa* codes for a truncated protein containing 436 aa, 434 aa of which is identical to wildtype *nhsa*.

Genotyping assay

Primers:

Ihb89_forward: 5' ACTGAAGAAATCCTAATTGCTG 3'

Ihb89_reverse: 5' ATCAGTGCTTTCCTCGTCAT 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: 324 bp

The sequencing results of the parents:

CZ212 (+/-) GCCGACTGGTGGATGAAGGTCATGATG (wild-type)

