

***nhsa^{ihb87/+}* (AB) (CZRC catalog ID: CZ210)**

Nature of mutation

ihb 87 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. Between 1302 bp to 1303 bp of the wild-type *nhsa* coding sequence, GAGTCAT, 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:

Ihb87_forward: 5' ACTGAAGAAATCCTAATTGCTG 3'

Ihb87_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:

CZ210 (+/-) GCCGACTGGTGGATGAAGGTCATGATG (wild-type)

