

***ca15b*^{ihb42/+} (AB) (CZRC catalog ID: CZ135)**

Nature of mutation

ihb 42 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 255 bp to 261 bp of the wildtype *ca15b* coding sequence, GCGTGTG, is deleted. The mutated *ca15b* codes for a truncated protein containing 127 aa, 84 aa of which is identical to wildtype *ca15b*.

Genotyping assay

Primers:

Ihb42_forward: 5' GTAACGGCACTCAACAATCTC 3'

Ihb42_reverse: 5' GTATACATCAGAACTCTATGGGAC 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: 394 bp

The sequencing results of the parents:

CZ135 (+/-) CGTTGGATCCGAAGAAGATGCGTGTGGCAGGG (wild-type)

