

***cadm1a*^{ihb54/+} (AB) (CZRC catalog ID: CZ203)**

Nature of mutation

ihb 54 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. Between 150 bp to 155 bp of the wild-type *cadm1a* coding sequence, GGAA, is deleted. The mutated *cadm1a* codes for a truncated protein containing 55 aa, 49 aa of which is identical to wildtype *cadm1a*.

Genotyping assay

Primers:

Ihb54_forward: 5' GATGGGTGGAAGGATGAAAG 3'

Ihb54_reverse: 5' ACAGCGATTACTCTGATGC 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: 369 bp

The sequencing results of the parents:

CZ203 (+/-) AACGTCTCAGTAGTGGAAGGAGAGACAGCC (wild-type)

