

***cadm1a*^{ihb53/+} (AB) (CZRC catalog ID: CZ202)**

Nature of mutation

ihb 53 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. Between 149 bp to 152 bp of the wild-type *cadm1a* coding sequence, TG is deleted. The mutated *cadm1a* codes for a truncated protein containing 63 aa, 49 aa of which is identical to wildtype *cadm1a*.

Genotyping assay

Primers:

Ihb53_forward: 5' GATGGGTGGAAGGATGAAAG 3'

Ihb53_reverse: 5' ACAGCGGATTACTCTGATGC 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:

CZ202 (+/-) AACGTCTCAGTAGTGAAGGAGAGACA (wild-type)

