

***cadm1a*<sup>ihb55/+</sup> (AB) (CZRC catalog ID: CZ204)**

**Nature of mutation**

ihb 55 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. 149 bp to 151 bp of the wildtype *cadm1a* coding sequence, TGG, is mutated into ACAGCCTACT. The mutated *cadm1a* codes for a truncated protein containing 66 aa, 49 aa of which is identical to wildtype *cadm1a*.

**Genotyping assay**

**Primers:**

Ihb55\_forward: 5' GATGGGTGGAAGGATGAAAG 3'

Ihb55\_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:**

CZ204 (+/-) AACGTCTCAGTAGTGGAAGGAGAGACAGCC (wild-type)

