

***Lbx2*^{ihb39/+} (AB) (CZRC catalog ID: CZ136)**

Nature of mutation

ihb 39 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 193 bp to 199 bp of the wildtype *lbx2* coding sequence, GGGTGCT, is deleted. The mutated *lbx2* codes for a truncated protein containing 66 aa, 64 aa of which is identical to wildtype *lbx2*.

Genotyping assay

Primers:

Ihb39_forward: 5' CATGTGACGCCTGAAGCATG 3'

Ihb39_reverse: 5' TATAACGCTGACTTCCAAACCCT 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: 473 bp

The sequencing results of the parents:

CZ136 (+/-) TAGTTTGTGCCCTCCGCGG GGGTGCT AGAAAGTAACCGG (wild-type)

