

***Lbx2*^{ihb40/+} (AB) (CZRC catalog ID: CZ137)**

Nature of mutation

ihb 40 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 176 bp to 192 bp of the wildtype *lbx2* coding sequence, GTTTGTGCCCTCCGCGG, is deleted. The mutated *lbx2* codes for a truncated protein containing 91 aa, 58 aa of which is identical to wildtype *lbx2*.

Genotyping assay

Primers:

Ihb40_forward: 5' CATGTGACGCCTGAAGCATG 3'

Ihb40_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:

