

***lhx2b*^{ihb61/+} (AB) (CZRC catalog ID: CZ141)**

Nature of mutation

ihb 61 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 240 bp to 258 bp of the wild-type *lhx2b* coding sequence, GTGGCTCTGTGCGCCGG, is deleted. The mutated *lhx2b* codes for a truncated protein containing 108 aa, 80 aa of which is identical to wildtype *lhx2b*.

Genotyping assay

Primers:

Ihb61_forward: 5' GCTGCAACATAAGAGAGAATG 3'

Ihb61_reverse: 5' AGCTCAGACTCCAGGTTTCAG 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: 250 bp

The sequencing results of the parents:

CZ141 (+/-) CGGGATCGG **GTGGCTCTGTGCGCCGG** CTGCGGAGG (wild-type)

