

***lhx2b*^{ihb63/+} (AB) (CZRC catalog ID: CZ143)**

Nature of mutation

ihb 63 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 251 bp and 253 bp of the wildtype *lhx2b* coding sequence, C, is mutated into GAGGCT. The mutated *lhx2b* codes for a truncated protein containing 110 aa, 83 aa of which is identical to wildtype *lhx2b*.

Genotyping assay

Primers:

Ihb63_forward: 5' GCTGCAACATAAGAGAGAATG 3'

Ihb63_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:

CZ143 (+/-) ATCGGGTGGCTCTGTG C GCCGGCTGCGGA (wild-type)

