

***lhx2b*<sup>ihb62/+</sup> (AB) (CZRC catalog ID: CZ142)**

**Nature of mutation**

ihb 62 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 247 bp to 252 bp of the wild-type *lhx2b* coding sequence, TGTG, is deleted. The mutated *lhx2b* codes for a truncated protein containing 107 aa, 82 aa of which is identical to wildtype *lhx2b*.

**Genotyping assay**

**Primers:**

Ihb62\_forward: 5' GCTGCAACATAAGAGAGAATG 3'

Ihb62\_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:**

CZ142 (+/-) ATCGGGTGGCTC**TGTG**CGCCGGCTGCGGA (wild-type)

