

***Tbr1b*<sup>ihb26/ihb26</sup> (AB) (CZRC catalog ID: CZ19)**

**Nature of mutation**

ihb 26 allele was a mutant line, induced by the TALEN in the AB genetic background. 299 bp to 305 bp of the wildtype *tbr1b* coding sequence, CTGCAGG, is deleted. The mutated *tbr1b* codes for a protein containing 100 aa, and the sequence of the 100 aa is identical to wildtype Tbr1b.

**Genotyping assay**

**Primers:**

ihb26\_forward: 5' TGGATGACCAGCAGAAGTGA 3'

ihb26\_reverse: 5' CCTTGCGGAGAAGAGTTGC 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: 987 bp:**

**Digestion of the PCR product with the PstI restriction enzyme:**

PCR Product	Product digestion	DNA fragments after digestion (bp)
AB	unaffected	571 and 193
<i>Ihb26 allele</i>	affected	764

**The sequencing results of the parents:**

