

***slc45a2*<sup>ihb66/+</sup> (AB) (CZRC catalog ID: CZ146)**

**Nature of mutation**

ihb 66 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 496 bp and 510 bp of the wild-type *slc45a2* coding sequence, TGGTGATGTTTGG, is deleted. The mutated *slc45a2* codes for a truncated protein containing 213 aa, 165 aa of which is identical to wildtype *slc45a2*.

**Genotyping assay**

**Primers:**

Ihb66\_forward: 5' CAAACTGGTGAGCTACAAGTAG 3'

Ihb66\_reverse: 5' GTTATACATAGCGGAAACGG 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: 460 bp**

**The sequencing results of the parents:**

CZ146 (+/-) GCCATCGTGGTGGTGATGTTTGGAGTGTTTTGTT (wild-type)

