

***slc45a2*^{ihb64/+} (AB) (CZRC catalog ID: CZ144)**

Nature of mutation

ihb 64 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 503 bp and 504 bp of the wild-type *slc45a2* coding sequence, T, is inserted. The mutated *slc45a2* codes for a truncated protein containing 174 aa, 167 aa of which is identical to wildtype *slc45a2*.

Genotyping assay

Primers:

Ihb64_forward: 5' CAAACTGGTGAGCTACAAGTAG 3'

Ihb64_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:

CZ144 (+/-) GGGCCATCGTGGTGGTGATGTTTGGAGTGGTTT (wild-type)

