

***ripk2*^{ihb46/+} (AB) (CZRC catalog ID: CZ200)**

Nature of mutation

ihb 46 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 73 bp and 74 bp of the wildtype *ripk2* coding sequence, ACCGGTGATCCCGT, is inserted, while 93 bp to 103 bp of the wildtype *ripk2* coding sequence, GCACTACATCA, is deleted. The mutated *ripk2* codes for a truncated protein containing 32 aa, 24 aa of which is identical to wildtype *ripk2*.

Genotyping assay

Primers:

Ihb46_forward: 5' TCTCTCTCTGCGTAACAGTGC 3'

Ihb46_reverse: 5' GAAAAGCCCAATAAGAATGCT 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: 395 bp

The sequencing results of the parents:

CZ200 (+/-)

ACCGGTGATCCCGTATCGGAAACTAACGGACCTGCACTACATCGCAAGGGA (wild-type)

