

***kdrl*^{ihb123/+} (AB) (CZRC catalog ID: CZ265)**

Nature of mutation

ihb123 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 767 bp to 770 bp of the wild-type *kdrl* coding sequence, AGTG, is deleted. The mutated *kdrl* codes for a truncated protein containing 280 aa, 255 aa of which is identical to wildtype *kdrl*.

Genotyping assay

Primers:

Ihb123_forward: 5' GGTAATCGCTTAACAGTACGAG 3'

Ihb123_reverse: 5' TTGAGGAATGGATGTTCTGTAG 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: 650 bp

The sequencing results of the parents:

CZ265 (+/-) GCAGGATTCAC TTTGAGTGGGAGTTTCATAAGGAGC (wild-type)

