

***rusc2*^{ihb77/+} (AB) (CZRC catalog ID: CZ195)**

Nature of mutation

ihb 77 allele was a mutant line, induced by the CRISPR-cas9 in the TU genetic background. Between 877 bp to 888 bp of the wild-type *rusc2* coding sequence, GTGTGGTTGA, is deleted. The mutated *rusc2* codes for a truncated protein containing 311 aa, 292 aa of which is identical to wildtype *rusc2*.

Genotyping assay

Primers:

Ihb77_forward: 5' CTGCAGTCGATCTGATAGTTG 3'

Ihb77_reverse: 5' CGTGTAGAAGGTCCTAAGAGTG 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: 336 bp

The sequencing results of the parents:

