

***fundc2*^{ihb58/+} (AB) (CZRC catalog ID: CZ207)**

Nature of mutation

ihb 58 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. 140 bp to 146 bp of the wild-type *fundc2* coding sequence, CATTG, is mutated into GAGT. The mutated *fundc2* codes for a truncated protein containing 50 aa, 46 aa of which is identical to wildtype *fundc2*.

Genotyping assay

Primers:

Ihb58_forward: 5' CAGGAAGGCGAGTAACTACG 3'

Ihb58_reverse: 5' CAACTAATTAAGCATTGGTCCA 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: 505 bp

The sequencing results of the parents:

CZ207 (+/-) CACACAGCTGGCCATTGGAGGAGT (wild-type)

