

***fundc2*^{ihb56/+} (AB) (CZRC catalog ID: CZ205)**

Nature of mutation

ihb 56 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 136 bp to 144 bp of the wild-type *fundc2* coding sequence, TGGCCAT, is deleted. The mutated *fundc2* codes for a truncated protein containing 48 aa, 45 aa of which is identical to wildtype *fundc2*.

Genotyping assay

Primers:

Ihb56_forward: 5' CAGGAAGGCGAGTAACTACG 3'

Ihb56_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:

