
***Hsf1a*^{ihb294/+} (AB) (CZRC catalog ID: CZ1203)**

Nature of mutation

Ihb294 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 412 bp to 421 bp of the wild-type hsf1 coding sequence, TGGCCAGTTT, is deleted. The mutated hsf1 codes for a truncated protein containing 152 aa, 133 aa of which is identical to wildtype hsf1.

Genotyping assay

Primers:

Ihb294 _forward: 5' ACAGCCCGAAGAGGGACAT 3'

Ihb294 _reverse: 5' TATTCAACACCTTCAGCTTTAACC 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: 506 bp