



## *irf1a*<sup>ihb134/+</sup> (AB) (CZRC catalog ID: CZ 300)

### Nature of the mutation

52bp deletion. Between 160bp and 212bp of the wild-type *irf1a* genomic sequence, deletion of GAGGAACAGATCCAGTCCGGCAGATACCCGGGAGTCCAGTGGCTGGACCAGG in exon 1.

### Sense Strand Sequence

CTCTACGCTTTACTCCTGAGTGCTCAGTGTGTGTTTCTGGAGCGTTCAGTGTGTGT  
TTTATTTCTCAGTTCAGAGATCAGAGCCGGTTGGAGACATGCATCAGGGGCGTCT  
GCGCTTACGGCCCTGGCTGGAGGAACAGATCCAGTCCGGCAGATACCCGGGAGT  
CCAGTGGCTGGACCAGgtacagttcagcgtatattaatcccacttaaaactctctatagtcagaattattcactcctgtgatt  
tgttttcttttcaaatatttccagatgatgtgaacagattgaggagttgttctcagtttctcctaattttgttcttctggagaaagcttatt  
gttttattgggctagaataaaagcagtgtttaatagtgtaaaagtcagttaaggtcaatattattgccccctcagcaatattagtggtgatt  
gtctcatgaacaaccactgtatacaatgacttgcctaattaccctaacttaccctaattaccctagtgaagcctttacatgtcactgtaa  
gctgaacactagtgcttgaagaatatctagtctaattatgtgtgtcatcatggagaagagg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### Genotyping assay

#### Primers:

**CZ300\_forward:** 5' CTCTACGCTTTACTCCTGAG 3'

**CZ300\_reverse:** 5' ctccatgatgacagcacata3'

#### PCR program:

95°C 5min	} 30 Cycles
95°C 30 sec	
56°C 30 sec	
72°C 30 sec	
72°C 8min	
4°C hold	

**Product size: 603bp**

