pde6c$^{ihb74/+}$ (AB) (CZRC catalog ID: CZ192)

Nature of mutation

ihb 74 allele was a mutant line, induced by the CRISPR-cas9 in the AB genetic background. Between 566 bp to 567 bp of the wild-type pde6c coding sequence, GGCAATAAACAATAAACAAACAATAAACAATAAACAATAAACAATAAACAA, is inserted. The mutated pde6c codes for a truncated protein containing 201 aa, 188 aa of which is identical to wildtype pde6c.

Genotyping assay

Primers:

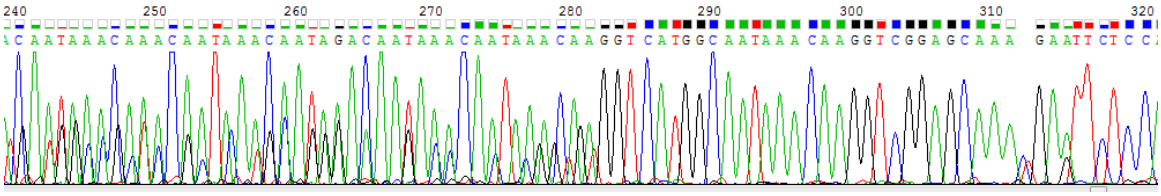
Ihb74_forward: 5’ AGGACAACGAATGAAGAAGC 3’

Ihb74_reverse: 5’ TTGATGCTATTTTGACCACTG 3’

PCR program:

94℃　4min
94℃　30 sec
55℃　30 sec　} 30 Cycles
72℃　30 sec
72℃　5min
4℃　hold

Product size: 336 bp

The sequencing results of the parents:

CZ192 (+/-)　　CCCACTCGGTGTGGTCATGGCAATAAACAAGGTC　(wild-type)