



***crb1*^{ihb444/+ (AB)} (CZRC catalog ID: CZ1393)**

Nature of the mutation

10bp deletion and 2bp insertion, Between 88bp to 98bp of the wild-type *crb1* coding sequence in exon3, CGTGCACATG is mutated to AC.

Sense Strand Sequence

gcagcatatcaataaccctaaaggctgactgcgagcttcagtttgagtctgtttgatccgggatgaggtctgtccagatggcatgtgtaa
taagccatgccgagatctcggattggcatgtttgcgctcagcaccgctgtctgtgatgttcagGTAGCAGCTGTGAGCT
GGAGATTGATGAGTGTTCAGTCCACAGCCCTGTCTCCACGGCGCCAGTTGCCATGAC
CACATCAATGGCTTCACGTGCACATGCC TGGCGGGTTTCCAGGGCGAGAGCTGTG
AAATCAACATCGACGAGTGCCGTGACCAGCCATGCCAAAACGGGGCTCTGTGTGT
GGATGAAATCAATAGgttaggatatttccatgctgccattttatttcgctcaaggtttac

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1393_forward:5'- gcagcatatcaataacc -3'

CZ1393_reverse:5'- gtaaaccttgagcgaaaa -3'

PCR program:

95°C	5min	} 30 cycles
95°C	30sec	
52°C	30sec	
72°C	30sec	
95°C	10min	
4°C	hold	

Product size: 399bp

Reference

None

