

cldn15lb^{fh290/+} (CZRC catalog ID: CZ131)

Nature of the mutation

The *fh290* was a mutant line, induced by the EUN in the AB genetic background. The *fh290* allele contains a single C-to-T point mutation that changes Gln into a premature stop codon at amino acid 61, resulting in truncation of the *cldn15lb* protein.

Genotyping assay

Primers:

fh290_forward: 5' GGTGCTGGGCTTGTTTCT 3'

fh290_reverse: 5' GAAACTGTCATGAACGCACA 3'

PCR program:

95°C 5min

95°C 30 sec

58°C 30 sec

72°C 30 sec

72°C 8min

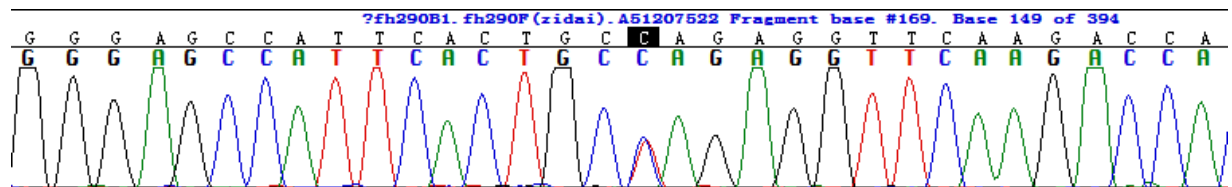
4°C hold

} 30 Cycles

Product size: 419 bp

The sequencing results of the parents:

CZ131 (+/-): CTCACTGGGAGCCATTCAGTGC[C/T]AGAGGTTCAAGACCACTCTGGGT



Reference:

Cheung ID, Bagnat M, Ma TP, Datta A, Evason K, Moore JC, Lawson ND, Mostov KE, Moens CB, Stainier DY. Regulation of intrahepatic biliary duct morphogenesis by Claudin 15-like b. *Dev Biol.* 2012 Jan 1;361(1):68-78. doi: 10.1016/j.ydbio.2011.10.004. 2012 Jan 1;361(1):68-78. doi: 10.1016/j.ydbio.2011.10.004.