

atoh1a^{fh282/+} (CZRC catalog ID: CZ116)

Nature of the mutation

The *fh282* allele contains a single C-to-T point mutation that changes Arg into Trp at amino acid 126, resulting in changing of the *atoh1a* protein.

Genotyping assay

Primers:

fh282_forward: 5' CTCCCAAAGCACAAACCAA 3'

fh282_reverse: 5' GGGAGATCGGTCCGTTTCTA 3'

PCR program:

95°C 5min

95°C 30 sec

58°C 30 sec

72°C 30 sec

72°C 8min

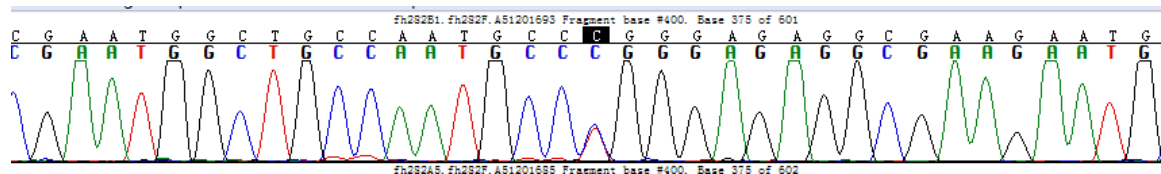
4°C hold

} 30 Cycles

Product size: 624 bp

The sequencing results of the parents:

CZ116(+/-):GGCGAATGGCTGCCAATGCC[C/T]GGGAGAGGCGAAGAATGCACGGATTGA



Reference:

Pujol-Marti, J., Zecca, A., Baudoin, J.P., Faucherre, A., Asakawa, K., Kawakami, K., and Lopez-Schier, H. (2012) Neuronal birth order identifies a dimorphic sensorineural map. J. Neurosci. 32(9):2976-2987