

pard3^{fh305/+} (CZRC catalog ID: CZ119)

Nature of the mutation

The *fh305* allele contains a single T-to-A point mutation that changes Gln into a premature stop codon at amino acid 203, resulting in truncation of the **pard3** protein.

Genotyping assay

Primers:

Fh305_forward: 5' GGTGCAGATTGGCTTCAGCA3'

Fh305_reverse: 5' GAAAATCAGATATTACTTGCGAATTGTGG 3'

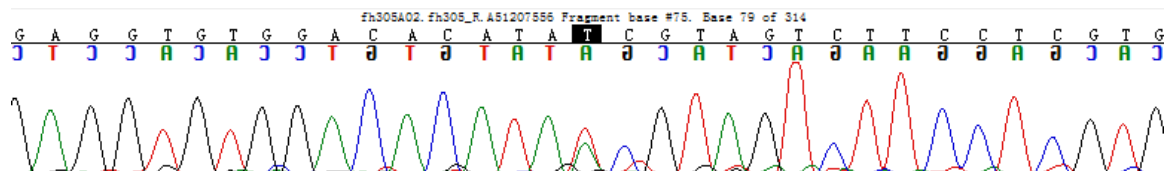
PCR program:

95°C 5min
95°C 30 sec } 30 Cycles
58°C 30 sec }
72°C 30 sec }
72°C 8min
4°C hold

Product size: 342 bp

The sequencing results of the parents:

CZ119(+/-):CTTCAGGGTCGAGGTGTGGACACATA[T/A]CGTAGTCTTCCTCGTGATGCAG



Reference:

Blasky, A.J., Pan, L., Moens, C.B., Appel, B. (2014) Pard3 regulates contact between neural crest cells and the timing of Schwann cell differentiation but is not essential for neural crest migration or myelination. *Dev. Dyn.* 243(12):1511-23