

## *msgn1*<sup>fh273/+</sup> (CZRC catalog ID: CZ113)

### Nature of the mutation

The *fh273* allele contains a single C-to-T point mutation that changes Gln into a premature stop codon at amino acid 92, resulting in truncation of the **msgn1** protein.

### Genotyping assay

#### Primers:

**fh273\_forward:** 5' TATTCGCGCACGGGTGTCAA 3'

**fh273\_reverse:** 5' TGCCCATGTTCTGAATGTTTCAATC 3'

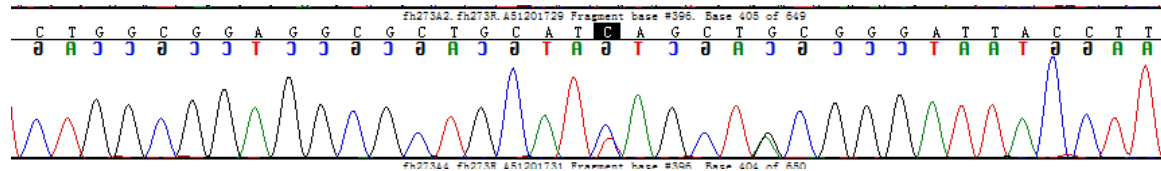
#### PCR program:

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

**Product size: 668 bp**

### The sequencing results of the parents:

CZ113(+/-): GAGGAGTCTGGCGGAGGCGCTGCAT[C/T]AGCTGCGGGATTACCTT



### Reference:

Fior, R., Maxwell, A.A., Ma, T.P., Vezzano, A., Moens, C.B., Amacher, S.L., Lewis, J., and Sa 巖 e, L. (2012) The differentiation and movement of presomitic mesoderm progenitor cells are controlled by Mesogenin 1. *Development* 139(24):4656-4665