

myod1^{fh261/+} (CZRC catalog ID: CZ111)

Nature of the mutation

The *fh261* allele contains a single A-to-T point mutation that changes Arg into a premature stop codon at amino acid 126, resulting in truncation of the *myod1* protein.

Genotyping assay

Primers:

fh261_forward: 5' CCCTGATCTCTTACCAGCAA 3'

fh261_reverse: 5' GCCATCAGAGCAGTTGGAT 3'

PCR program:

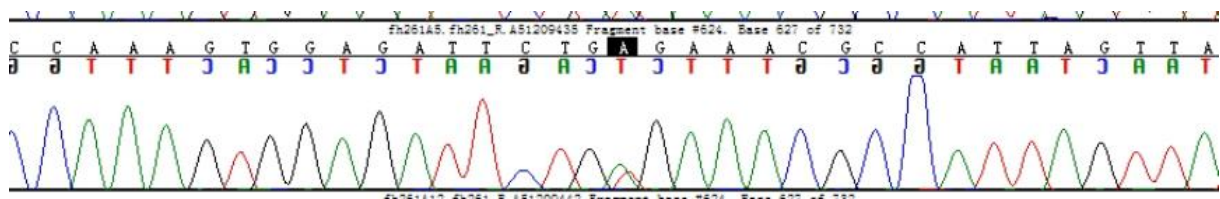
95°C	5min	} 30 Cycles
95°C	30 sec	
58°C	30 sec	
72°C	30 sec	
72°C	8min	
4°C	hold	

Product size: 755 bp

The sequencing results of the parents:

CZ111 (+/-):

GAGGCTGCCCAAAGTGGAGATTCTG[A/T]GAAACGCCATTAGTTATATCG



Reference:

Hinitz, Y., Williams, V.C., Sweetman, D., Donn, T.M., Ma, T.P., Moens, C.B., and Hughes, S.M. (2011) Defective cranial skeletal development, larval lethality and haploinsufficiency in *Myod* mutant zebrafish. *Dev. Biol.* 358(1):102-12

