



***tmie*^{ihb581/+} (CZRC catalog ID: CZ1570)**

Nature of the mutation

2bp deletion, Between 104bp to 105bp of the wild-type *tmie* coding sequence, AC is deleted in exon3.

Sense Strand Sequence

ccctcacagcaaacagatatgagacgcagcctgatgtgaagcacagctctctttcaaaattatttcaaagctctttc
tategtttcacagTAATTACGCTCTGCTGCATCTTCAAATGCCGAATCCCACGG
ACGAAAAAAGAGATCGAGGCTCGGCACGCGCAAAGACTTGCTGCGA
AAAATTATGCCAACACACTGGAGACGGTGCCTCCTCTCAATGAGCTG
ACTGAGGTGCCCGGCGgtgagtccaagtcttacagcttacactattctcacactggctcatttgtgaac
atcgatttgtttcgttgtgtcatctgctaattcacaaggcttggtagtgcattggttctcaattccaatttggccaattta
gtaatacaattctcctatagcgcattgtg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1570-forward: 5' CCCTCACAGCAAACAGATAT 3'

CZ1570-reverse: 5' CACATGCGCTATAGGAGAAT 3'





国家水生生物种质资源库国家斑马鱼资源中心
China Zebrafish Resource Center (CZRC)
National Aquatic Biological Resource Center (NABRC)

PCR program:

95°C	5min	}	30 cycles
95°C	30sec		
58°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 405bp

Reference

None

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