



***dmc1*^{ihb565/+} (CZRC catalog ID: CZ1550)**

Nature of the mutation

10bp deletion, Between 37bp to 47bp of the wild-type *dmc1* coding sequence, CACCGAGGCT is deleted in exon6.

Sense Strand Sequence

aggtttcagtgtaacaagcagtaacatgtgttttatatatgtttccgatgaaagtcttacattgttgacatgaaaggagaaacggtttatt
catatttactttagCAAACCTCCTTGGAGGAGGTGTGGAGAGTATGGCCATCACCGAGGCTTT
TGGTGgtaggggtgatgttttgattgaaaccataatgatatgttacgcattttccgtacatcacttctgcaaaatgatatgttttgcctttg
tgaattgttccatgcctcatttagAATTCAGAACTGGAAAGACTCAGCTCTCACATACTCTGTGT
GgtaagaatgaatcttgtgtaaatgttaaatgcggaatttaattctcatttttagaccattcacatcattttgtttctttttccttcagTTA
CTGCTCAGCTTCCTGGGGAATATGGGTACACAGGAGGAAAGGTCATCTTCATTGAT
ACCGAAAACACCTTgtatcatttatgcatttcttctgtgtgtgagtgattcattttactaaatccatttcatatggagaagtc
tctgaacttttacctaataattgtaacatcagTCGGCCTGAGAGGCTGAAGGACATCGCTGACAGAT
TCAATGTGGATCATGACGCTGTTCTGGACAATGTGCTTTATGCACGTGCGTATAACCA
gtaagaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1550-forward: 5' AGGTTTTTCAGTGTACAAGCA 3'

CZ1550-reverse: 5' TTCTTACTGGTATACGCACG 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		
56°C	30sec		
72°C	30sec		
95°C	10min		
4°C	hold		

Product size: 714bp

Reference

None

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