



## ***dmc1*<sup>ihb564/+</sup> (CZRC catalog ID: CZ1549)**

### **Nature of the mutation**

1bp deletion and 11bp insertion, Between 45bp to 46bp of the wild-type *dmc1* coding sequence, C is changed to TGGTAGGGTGG in exon6.

### **Sense Strand Sequence**

aggtttcagtgtaacaagcagtaacatgtgttttataatgtttccgatgaaagtcttacattgttgacatgaaaggagaaacggttatt  
catatttactttagCAAACCTCCTTGGAGGAGGTGTGGAGAGTATGGCCATCACCGAGGCTTT  
TGGTGgtagggtagtgttttgattgaaaccataatgatagttacgcattttccgtacatcactctgccaaaatgatgttttgccttg  
tgaattgttccatgcctcatttagAATTCAGAACTGGAAAGACTCAGCTCTCACATACTCTGTGT  
GgtaagaatgaatctgtgtaaagttaaatgacggaattaatctcaatgttagaccatcacatcaatgttttctttttcccttcagTTA  
CTGCTCAGCTTCCTGGGGAATATGGGTACACAGGAGGAAAGGTCATCTTCATTGAT  
ACCGAAAACACCTTgtatcattatgcatttgcttctgtgtgtgagtgatcaatcttacaaatccatttcaatggagaagtcatt  
tctgaacttttaccttaataatgtgaacatcagTCGGCCTGAGAGGCTGAAGGACATCGCTGACAGAT  
TCAATGTGGATCATGACGCTGTTCTGGACAATGTGCTTTATGCA CGTGCGTATACCA  
gtaagaa

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

### **Genotyping assay**

#### **Primers:**

CZ1549-forward: 5' AGGTTTTTCAGTGTACAAGCA 3'

CZ1549-reverse: 5' TTCTTACTGGTATACGCACG 3'





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China Zebrafish Resource Center (CZRC)  
National Aquatic Biological Resource Center (NABRC)

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**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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