



***bmp3*^{hza106/+} (CZRC catalog ID: CZ 1470)**

Target Position: exon 1

Sense Strand Sequence

GAGTAGCCTACACCAAAGTGACATCTCGTTTAACTTTCTTTTTTTCATTTTCTCACC
CTTTTTGCCTTATTTTCGGGGGCCCATGTGATGCTCTCCTTCTCAAGAGACAAGAGT
TTGTTTAGGTATTCAGCAGCACTGATACTACACCTAGATCAGCTTCCATAGTCC
CGCACCTCCAGCATGGATCGCTGTCAGCGGCTGTTTGTCTCCTGTTGGGATGCG
GTTATCTGTGCTGTGGATACTGTGCTGTGCTTAAAACGCCTGTCATGGGGTTCTCT
AAAGATGTGCAACTTGGACAAAAAGCAGAAGAGCCAGAGAAGCAGCAAGTGAA
GAAGAGCGAGCAGGATACGCTGTCAGAGCACATGCAGATGCTCTACGCCAATA
CACCAGCGCGGGATTCCCTCTCAAAGACGGAAACACTGTCCGCAGCTTCAAGGGC
CATTGgtaagtgttcaattgattatgttgaattgactaacagatccatgcaatcgtcatgtcacgtttgaaaaggtttcaatagt
ggcttgttcgttttgcgcttcaact

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

bmp3_forward: 5' GAGTAGCCTACACCAAAGTGAC3'

bmp3_reverse: 5' agttgaagcgcaaacgaac 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: 557 bp





The sequencing results of the *bmp3*^{hza106/+} :

hza106: 2 bp deletion

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Query 1 GCAGATGCTCTACGCCAAATACACCAGCGCGGGATTCCCTCTCAAAGACGGAAACACTGT 60
      |||
Sbjct 1 GCAGATGCTCTACGCCAAAT--ACCAGCGCGGGATTCCCTCTCAAAGACGGAAACACTGT 58
      |||
Query 61 CCGCAGCTTC 70
      |||
Sbjct 59 CCGCAGCTTC 68
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Reference:

None

