



actn3b^{*hza101/+*} (CZRC catalog ID: CZ 1456)

Target Position: exon 24

Sense Strand Sequence

ggtttgtgaagcgactcaataataaacctcgatatcttcataaacgtcctccaatgtctctcagtcctccctcagtaactcctctatgttctct
agCTGCTGGAGTGGATCCGCCGCACCATCCCCTGGCTGGAGAACCGCGCGGCGGA
GCAGACCATGCGCGCCATGCAGCAGAAGCTGGAGGATTTCCGGGACTACAGGCG
CGTTCACAAGCCTCCGCGCGTGCAGGAGAAATGCCAGCTGGAGATCAACTTCAAC
ACCCTGCAGACCAAGCTGCGCCTGAGCAACCGTCCCGCCTTCATGCCCTCCGAGG
GGAAGATGGTGTCCGgtgagtccaaaacagcctgcatgaaaactactagtaatctgagttatgaacagcacaccagaca
tttgccaaaatcaaaaacttcatgcgatttaacttattaatcaggttttaaccaaacgtgtgtgtgcagGACATCGCTAAC
GCTTGGAAAGGTCTGGAG

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : Crispr/cas9 target site

Genotyping assay

Primers:

*actn3b*_forward: 5' ggtttgtgaagcgactcaat 3'

*actn3b*_reverse: 5' TCCAGACCTTTCCAAGCGT 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: 497 bp





The sequencing results of the *actn3b*^{hza101-2/+} :

hza101: 17bp deletion

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Query 1 TGCCAGCTGGAGATCAACTTCAACACCCTGCAGACCAAGCTGCGCCTGAGCAACCGGCC 60
Sbjct 1 TGCCAGCTGGAGATCAACTTCAACACCCTGCAGACCAAGCTGCGCC----- 46
Query 61 GCCTTCATGCCCTCCGAGGGGAAGATGGTGTTCGGTGAGTCCAAAACAG 108
Sbjct 47 ---TTCATGCCCTCCGAGGGGAAGATGGTGTTCGGTGAGTCCAAAACAG 91
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Reference:

None

