

ZKO1162

Target Position: upstream and downstream sequences flanking zko1162 CU280887.1 microRNA

Sense Strand Sequence

ggtcgttcatgttgcctcgcctcggcctcggcgaactccatctcatccattccctcaccggtataccaatgcaagaaggccttgcggcgaacat
agccgtgaactgcttgaattcgttgaagagctcctggatggctgtactgttccaatgaaggcgcgacattttgagcccgcgagg
tgaatgtcgcagacggcgtcttgacgttattcgggatccactccacaaagtagctgctgttcttattctggacgttcagcatctgctcgt
ccacttctcatggacatgacgaccgcggaaaacagccgccacggtaggtagcgcctatggcgtggatcacaagcggccatcatgtt
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acagtggtgacgccgctcatggtggccgagacgagatggtgagatctccgatgtaggtgtggtgagttgagcgtgcggaagcag
atgtcataaagcgcctcgttatcaatacaatacgtttcgtcagtgtttccaccagctgatggacgGACAGTGTGGCGTTGT
AGGGCTCCACAACCGTATCGGACACTTTGGGAGACGGCACCACTGAAGGTGTT
CATGATGCGGTCCGGAACTCCTCGCGGATCTTACTGATRagaagcgttccatgccagagccc
gttctccaccagagagtgcgtcagctggaaccctgcaggcagtcgcagctctcggcttcttgcgcaccacatccatcactgaatc
caccagctcagccccctcgtgtaatgacctttagccarttattaccagctcgccttggcctacgaggacgacacaatatctattaacc
agtcataaacatgctattcaaaatggtgaggatgaaactgaaatgcatattgaagtgtttaaactcagcaggttggatcattactagtg
aggatgaactgaaatgctcaggtaacgattaatgacaggtacatttttctacacggctcattctaag

Uppercase: Exon/coding sequence

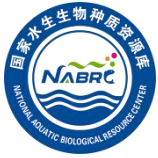
Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO1162a: 760bp deletion





CLUSTAL format alignment by MAFFT FFT-NS-i (v7.215)

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WT          cgaggtggaatgtcgcagacggccgtcttgacgttattcgggatccactccacaaagtag
ZK01162a   cgaggtggaatgtcgcagacggccgtcttgacgtt-----
*****

WT          ctgctgttcttattctggacgttcagcatctgctcgtccacttccttcatggacatgca
ZK01162a   -----

WT          ccgcgaaaacagccgccacggttaggtagcggccatggcgtggatcacaagcggccatc
ZK01162a   -----

WT          atgtttttggcgtcaaacatctgctgggtgagctccgggacggagagcactcgatactgc
ZK01162a   -----

WT          tggctccccctgctggtcagaggagcaaatccgggcatgaagaagtgcaggcgtgggaag
ZK01162a   -----

WT          ggcaccatgttgacggctagtttgcgagatcagcgttaagctggccggggaacctcaga
ZK01162a   -----

WT          caggtggtgacgccgctcatggtggccgagacgagatggttgagatctccgtatgtaggt
ZK01162a   -----

WT          gtggtgagtttgagcgtgcggaagcagatgtcataaagcgcctcgttatcaatacaatac
ZK01162a   -----

WT          gtttcgtcagtgtttccaccagctgatggacgGACAGTGTGGCGTTGTAGGGCTCCACA
ZK01162a   -----

WT          ACCGTATCGGACACTTTGGGAGACGGCACCACACTGAAGGTGTTTCATGATGCGGTCCGGA
ZK01162a   -----

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WT AACTCCTCGCGGATCTTACTGATRagaagcgttcccatgccagagcccgttctccacce
 ZK01162a -----

WT agagagtgcgtcagctggaaaccctgcaggcagtcgcagctctcggttccttgcgcacc
 ZK01162a -----

WT acatccatcactgaatccaccagctcagccccctccgtgtaatgaccttagcccartta
 ZK01162a -----

WT ttaccagctccgctctggcctacgaggacgacacaatatctattaaccagtcac
 ZK01162a -----tggcctacgaggacgacacaatatctattaaccagtcac

