

ZK0377

Target Position: exon 2

Sense Strand Sequence

cattgatcccgtaagtagctttcagctatttggtgtagttgctttgactattacaatgccattttaactcatctttgtcttg
ttttgtggcttagAATAACACCAATGTAGATTTACACAAAGCACTGATGATGACCCTCTCATTGAT
GGACCACTCGT**ATCCCAAGATGCACTTGAGT**CGGCAATCAAGAGAGAGTTTCAGACATTAAG
CACTCACTGGGCAGTGGGTGTCCTATCATTTTTACACgtaagtatagaaaaaatattgcacaagcatac
agtactggttacaagtttgaaacattaagattggttattgcctttaaagtagttaatccttatcaaaatgtattttaaata
ttgaaatattgtaaatagtgttatgctgtgacataagtattatattttattgaaacatctgtgtgttcagtaaaatgtagtt
attcctgtagttaagcaacatttttagcagtcattctagtttt**cagggtcacatgatcttcag**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0377a: 7bp deletion

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

```
WT          TTGATGGACCACTCGTATCCCAAGATGCACTTGAGTCGGCAATCAAGAGAGAGTTTCAGA
ZK0377a     TTGATGGACCACTCGTATCCCAAGATGCA-----CGGCAATCAAGAGAGAGTTTCAGA
*****
WT          CATTAAG
ZK0377a     CATTAAG
*****
```