

ZK0386

Target Position: exon 5

Sense Strand Sequence

cttgggtatgttggtgacctacatatattgtgtttacagATATCTGGGGCGAGCAGTCATTTTCAGACAGACC
CTGATTTGCCTCCAGGATGGAAGATGATGACAGACATGGCTGGTATTTACTGGCACATTCC
AACGGGCACCACACAGTGGGAGCGGCCCGCCCCATGCCATCCAGTGCCAACTGGACCCAGC
CATGCCAGCCGAAACACTCACTGGGTTCCCTGTGCCTTACCCACCCCAGATCATGAGgtat
gatccattgaggccacatgattaagaaaataatacgttttatccacattgaccaatcactttttctgtatctagtcgatgtct
catgccgatgtgttttcggagcgtcagtcgttcgggcagcaccacttctgacagttcgtctgagcccgtcccattcccgtc
ttcttcatgtctggaccgacccccatcctgtcctcaaactcatcctcatcctctgacgcaaatgttccttctgtgg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0386a: 19bp deletion

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

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WT          GGTATTTACTGGCACATTCCAACGGGCACCACACAGTGGGAGCGGCCCGCCCCATGC
ZK0386a     GGTATTTACTGGCACATTCCAACG-----GGCCCGCCCCATGC
            *****
            *****

WT          CATCCAGTGCCAACTGGAC
ZK0386a     CATCCAGTGCCAACTGGAC
            *****
```