

ZKO838

Target position: exon1

Sense Strand Sequence

AGCCAGATGATCTAATTATCAGCCCTCTTTCACCACTTTGTATTTCTTTCGTCATTTAATATCACT
TTTTTGAGGACTATTTGTTTCGCCATTGATGCCCGGCGATGCTCATCTTGTGGCCTTTTTTAAAA
TGCTGAAGGGACAGCAACTCCTCCCTTAGTCTTTCTTTGGTTTGTGCTGTCCTGACAACACAA
ACGCATTCCCTAACGGATATATTTCCATCCTGCCCCCTGGGTGATGCCGAGCGGCAGTATGAGT
GGGGGCGTCTCTGGACCACTTCCCCACCCATCCCACCGTCCCATCCAGACCTCTCCGGCCT
AGTCGCTACGTGCCAGTCTCTGCGGCAACGGCCTTCTGGTTGGCTCAACCACGCTCTTCTTC
TGCTTCACgtgagtacacgaacacatgtgctaactgattgcagcaatcattatgatggatgagtcagcagctactg
gtt

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO838a: 4bp deletion

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

```
WT          GATCCGAGCGGCAGTATGAGTGGGGGCGTCTCTGGACCACTTCCCCACCCATCCCAC
ZKO838a     GATCCGAGCGGCAGTATGAGTGGGGGCG-----TGGACCACTTCCCCACCCATCCCAC
*****
```

ZKO838b: 10bp deletion

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

```
WT          CATTGATGCCGAGCGGCAGTATGAGTGGGGGCGTCTCTGGACCACTTCCCCACCCATC
ZKO838b     CATTGATGCCGAGCGGCAGTATGAG-----TCTGGACCACTTCCCCACCCATC
*****
```