

## ZK0375

Target Position: exon 1

Sense Strand Sequence

TGGGAGACCTGCCTGTCGAGCTTTGGCGCCTCATCTTGGCCTACTTGCCTCTGCCCGATCTAG  
GCCGCTGCTGTCTGGTGTGCAGGGCCTGGAGGGAGCTCATTTTGAGTTTGGATAGTACACGT  
TGGCGCCAGCTCTGTCTAGGATGCCCTGAATGTCGGCACCCAAATTGGCCTCGCCGCCCCAC  
CTGCCCCCGGCCCTCCTGGAGAGAGGCTCTCCGTCAGCACGCTCTTGCCAGTCGTAATTGGAC  
CCAGAACGGCTCAGACCTCCACTCGTCTGCCTGCCTCCACCTCTTCGGCGGAGGAAAGACC  
GCAGGGTTTGGCATGTTGCTACTGTGGCGGGGGCGGATATGAGAGTCTCAGGGGGGCACT  
GGCTGTGGCTGGCCCGTATGACAAGGTGGTGTCTCCATCCGGGTGTATATGAGGAACAGGTGG  
AGGTGGCT

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

### ZK0375a: 17bp deletion

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

```
WT          TGGACCCAGAACGGCTCAGACCTCCACTCGTCTGCCTGCCTCCACCTCTCCGGCGGAGG
ZK0375a     TGGACCCAGAACGGCTCAGACCTCCACTCG-----CTCCGGCGGAGG
          *****
          *****

WT          AAAGACCGCAGGGTTG
ZK0375a     AAAGACCGCAGGGTTG
          *****
```