

ZK0592

Target Position: exon 16

Sense Strand Sequence

CCGAGGATCTGTAGGGAGCAGgtttgaatattaaatgccctaattaaaccactatattaactgaggttaatga
gataaaaatctgcaggtctcctttgatatagaccagctggtatccattagataagtagtttgattagcatgggtcctttcttg
ttgtctaaactcagGGGATCAGGAGAATTACTGGATGAGTCGAGCTGCAATGTTTCCCCTCTGGC
TCCGTCTCTCCATCCCTTCTGTATGCCGTTCTCTGGTTTGGGGACAGAGACAAGGAAAA
GATAGAGAGAGAAAAAGAGCGTTCGCATCCAGTGGCAGTCTGCCTCGCTCGCCTTCAGA
A

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZK0592a: 12bp deletion, 5bp insertion

CLUSTAL format alignment by MAFFT G-INS-i (v7.215)

```
WT          GGAGAATTACTGGATGAGTCGAGCTGCAATGTTTCCCCCTCTGGCTCCGTCTCTCCATC
ZK0592a     GGAGAATTACTGGATGAGTCGAGCTGCAATG-----GAAGAGCTCCGTCTCTCCATC
            *****
            .*****

WT          CCTTCCT
ZK0592a     CCTTCCT
            *****
```