

ZKO662

Target Position: exon2

Sense Strand Sequence

cctcaggctgtgatgttccatccactctctcgcacacccccatactgaatgtaaccccaaaccatgattttttcctt
cactaaattggctcccaaacagttggagccatcaaaatccagatctggtaatatatccagaaagctatttatttggcat
tgtaaacacaggcatctttctttgtatgttcaattaaataaaactaaagaggggaaaataaatgtttttttttg
tgtaaaaatatcccaaattttcagaattgttgtaaattagcacgagttatttaaagaatcctaaatgtgctacaaa
cattaacctatgaatgcataatgtgatctttcctcactctgtttacttttcagATCCTTCGTTTGAACCATCTATT
GCTCTAGCAAGCCTGGTCCAGCACATCCC**TCTGCAAATGATCACAGTCC**TCATCAAAGCCTC
ACCACTGACCAGAATGTTAAAGATGCAAGTATGACACAAGCACTCTGCAGgtcagctgtgtgtgtg
cgcgctataaaagctaataatgaatgtgtctttgtatgtttaaaagactaagcccttgatccagccaccaattatgtgt
tgtctctgcatctgtttgcttcaagtatgtagtaattgcattatgcaag TCATT**TGGAATGGgtgtagtgtt**

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO662a: 20bp deletion

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

```
WT          TAGCAAGCCTGGTCCAGCACATCCCTCTGCAAATGATCACAGTCCATCAAAGCCTCA
ZKO662a     TAGCAAGCCTGGTCCAG-----CACAGTCCATCAAAGCCTCA
*****
```