

ZKO606

Target Position: exon 5

Sense Strand Sequence

aagagtgctgcatgcctttaaatacacttgtttcagttctactgatttagatatggtgaaaagtccataatagttgtaat
agccctacagtaagcctataggtggcactgttgatctgaatggaagtgatgactggccatgagaaacattttctgttca
cctctcattttccagGTAATAAGAAGTTCAGCATTCCA**GATCTCGAGCGTTGCCAG**TTGCCTTT
GGAGAGCACAGCCTTGAGTTTACCCACGCCAACAACTTTAATCATCAGCgtgagtgaactctc
accgttagtctcacttaatacattttccaagaatttttttccgcatcacgtagaggaactttccctttg**ctggatcgggg**
accagattg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg : Forward/Reverse primer

atcg : cas9 target site

ZKO606a: 5bp deletion

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

```
WT          TCCCAGGTACTATAAGAAGTTCAGCATTCCAGATCTCGAGCGTTGCCAGTTGCCTTTGGA
ZKO606a     TCCCAGGTACTATAAGAAGTTCAGCATTC-----CTCGAGCGTTGCCAGTTGCCTTTGGA
*****
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ZKO606b: 16bp deletion

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

```
WT          CTTTTCCAGGTACTATAAGAAGTTCAGCATTCCAGATCTCGAGCGTTGCCAGTTGCCT
ZKO606b     CTTTTCCAGGTACTATAAGAAGTTC-----AGCGTTGCCAGTTGCCT
*****
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WT          TTGGAGAGCACAGCCT
ZKO606b     TTGGAGAGCACAGCCT
*****
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