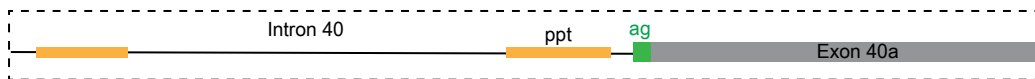


A

Dysferlin Intron 40 - Exon 40a - Intron 40a partial sequence

ggagaaccctactccctcagaactgtccaaacttccctctcacaggctcctcagatctcagcccgaatcctgttgctaaccggca
 tgtttaattttagCTTACAGATGGGCTGTCAAGCTTGGGCCCCACTAACCTGACGCCTTCTCCATCCAGTCTCATgtatgtat
 tgttcactatttgttgctcaattgtcttgcataatttgggaataagaa**caaagggtaggaggagagg**



WT

aaacttccctctcacaggctcctcagatctcagcccgaatcctgttgctaaccggcatgtttaattttagCTTACAGATGGGCTGTCAAGCTTGGGCCCCACTAACCTGACGC

dysf^{40a-/-} KO-1 Δ24 bp

aaacttccctctcacaggctcctcagatctcagcccgaatcctgttgctaaccggcatgtttaattttagCTTACAGATGGGCTGTCAAGCTTGGGCCCCACTAACCTGACGC

dysf^{40a-/-} KO-2 Δ65 bp

aaacttccctctcacaggctcctcagatctcagccccgaatcctgttgctaaccggcatgtttaattttagCTTACAGATGGGCTGTCAAGCTTGGGCCCCACTAACCTGACGC

dysf^{40a-/-} KO-3 Δ12 bp

aaacttccctctcacaggctcctcagatctcagcccgaatcctgttgctaaccggcatgtttaattttagCTTACAGATGGGCTGTCAAGCTTGGGCCCCACTAACCTGACGC

Key :

intronic sequence (lower case)

PCR primers (red text)

polypyrimidine tract (ppt, orange text)

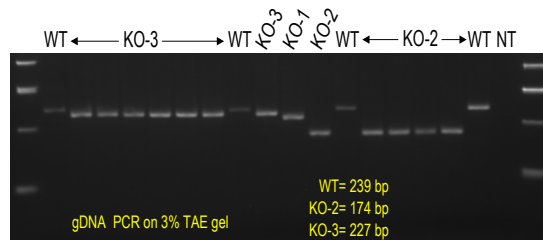
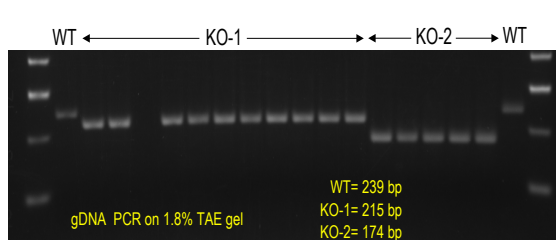
Deleted sequence (gray text)

splice donor and acceptor (green)

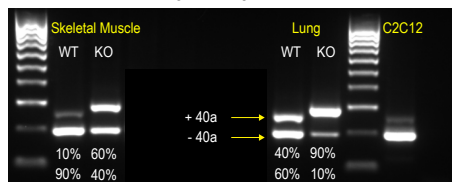
EXON 40A (upper case)

PAM sequence for guide (blue text)

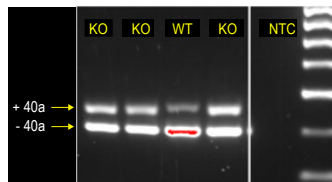
Premature stop codon

B**C**

KO-1 RT-PCR

**D**

KO-2 RT-PCR

**E**

KO-3 RT-PCR

