Delta-Sarcoglycan Genotyping

This reaction uses 3 oligo primers to identify wild type or mutant delta-SG genotypes.
The primers used are:

- Mdint1F: GCAAACTTGGAGAGTGAAGAGGC
- Mdint1R: GAGGCATATAAAGTTTGCACGAC
- NeoTR: GCTATCAGGACATAGCGTTGGCTA

The wild-type product will be a ~650 bp band
The mutant (knock out) product will be a ~750 bp band
Heterozygous products will contain both the 650 bp and the 750 bp bands

Run 20-30 ul of PCR reaction on 1.5% agarose gels for nice separation

PCR REACTION CONDITIOS:

5 ul	10X PCR Reaction Buffer
5 ul	dNTPs (2mM stock)
1 ul	Mdint1F (10 uM stock)
1 ul	Mdint1R (10 uM stock)
1 ul	NeoTR (10uM stock)
0.5 ul	TAQ polymerase (5U/ul)
35.5 ul	dH_2O
1 ul	genomic DNA (processed by isopropanol precipitation method)

PCR RXN Program:

Hot start: 2 min 94^{o}C

40 cycles of:
- 94^{o}C 1 min
- 60^{o}C 1 min
- 72^{o}C 1.5 min

Final extension: 5 min 72^{o}C