Supplemental Data

Supplemental Figure 1. *TCF4* and *DMPK* Triplet Repeat Polymorphisms in FECD Subject (16-1348).

STR analysis results are shown above the corresponding TP-PCR tracings. CTG allele sizes are shown with arrows. The TP-PCR tracings have a characteristic ladder with a 3 base pair periodicity.

(A) STR and TP-PCR tracings indicate that subject is homozygous for alleles with 12 CTG repeats each at *TCF4* locus. TP-PCR tracings resolve the zygosity by ruling out an expanded allele.

(B) STR and TP-PCR tracings indicate that the subject has an allele with 10 CTG repeats and an expanded allele at *DMPK* locus. Persistence of the ladder pattern on TP-PCR tracing indicates presence of an expanded allele. (Clinical genetic testing for DM1 detected CTG alleles with 10 and approximately 300 CTG repeats by Southern blot analysis.)
Supplemental Figure 2. *TCF4* and *DMPK* Triplet Repeat Polymorphisms in FECD subject (VVM293).

(A) STR analysis indicate that subject has alleles with 12 and 18 CTG repeats at *TCF4* locus.

(B) STR and TP-PCR tracings indicate that subject has an allele with 15 CTG repeats and an expanded allele at the *DMPK* locus. Persistence of the ladder pattern on TP-PCR tracing indicates presence of an expanded allele.