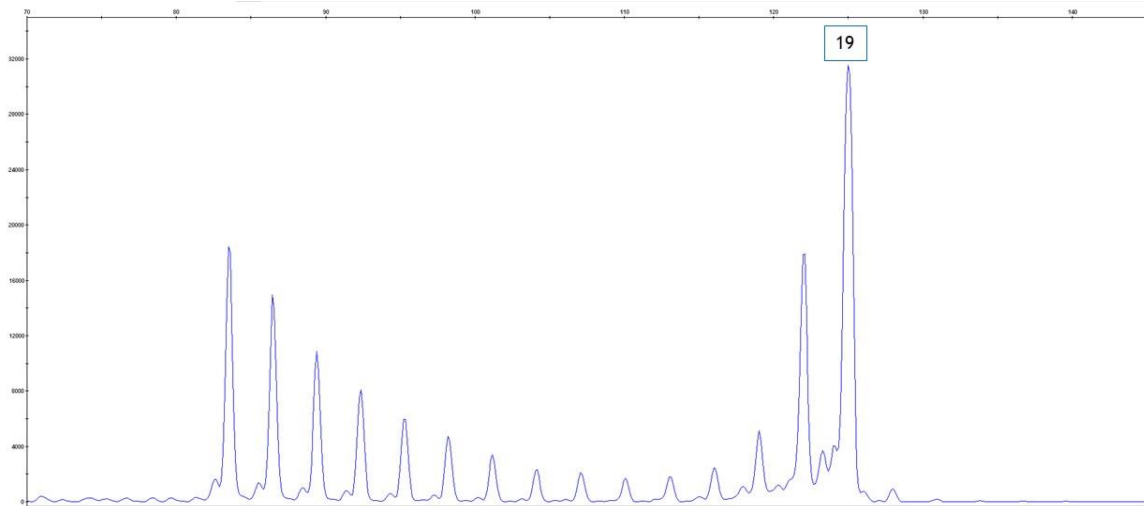
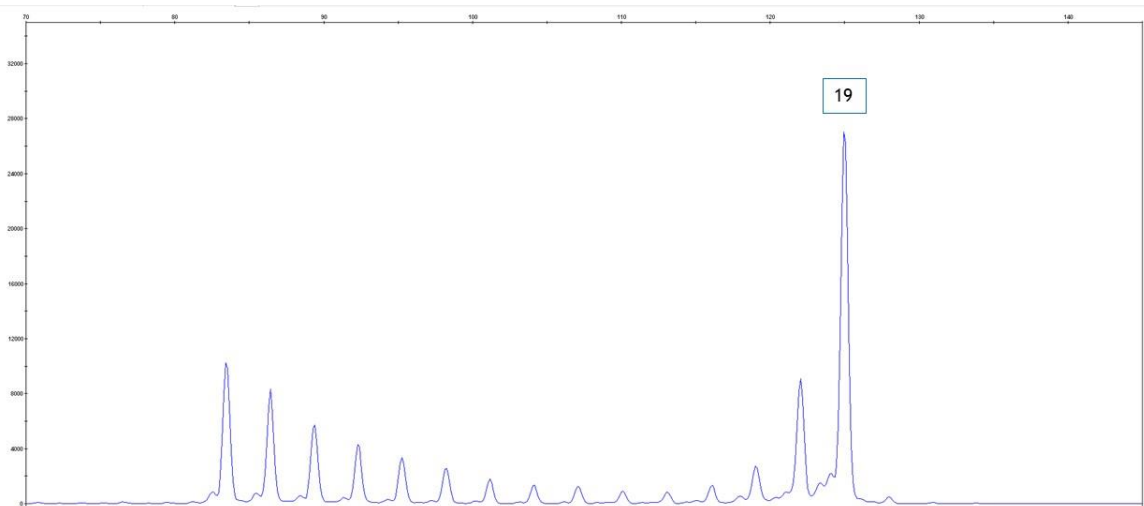


Figure S1: Electropherograms demonstrating amplification and genotyping of synthetic ultramer DNA templates with canonical (A-F) and non-canonical (G-J) sequence variations detailed in Tables S1 and S2. The reference (control) electropherogram is shown in panel K. DNA templates were input into *HTT* PCR at 10,000 copies, comparable to the haploid copy number of the *HTT* gene in 30 ng of genomic DNA.

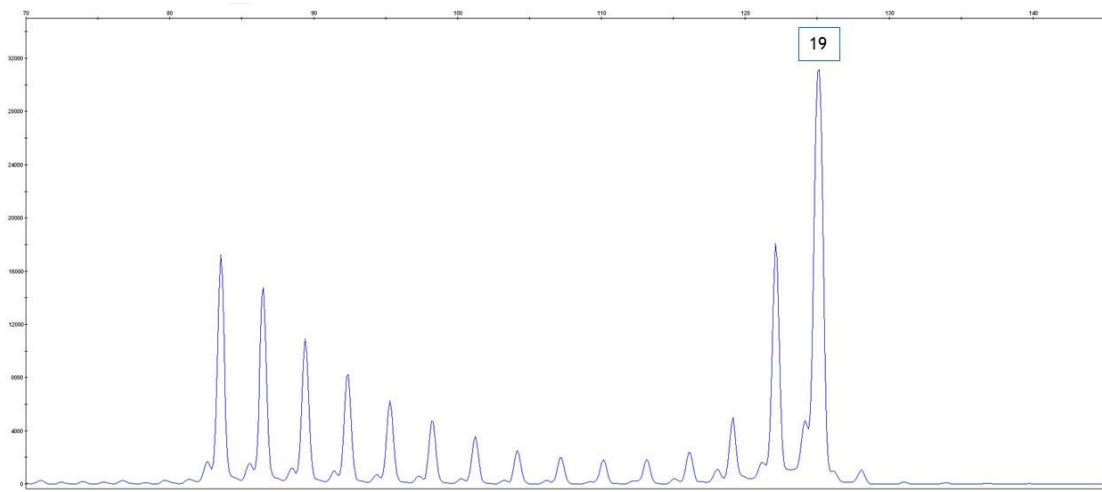
A) T15777_19CAG_C1: *HTT* Genotype 19 CAGs



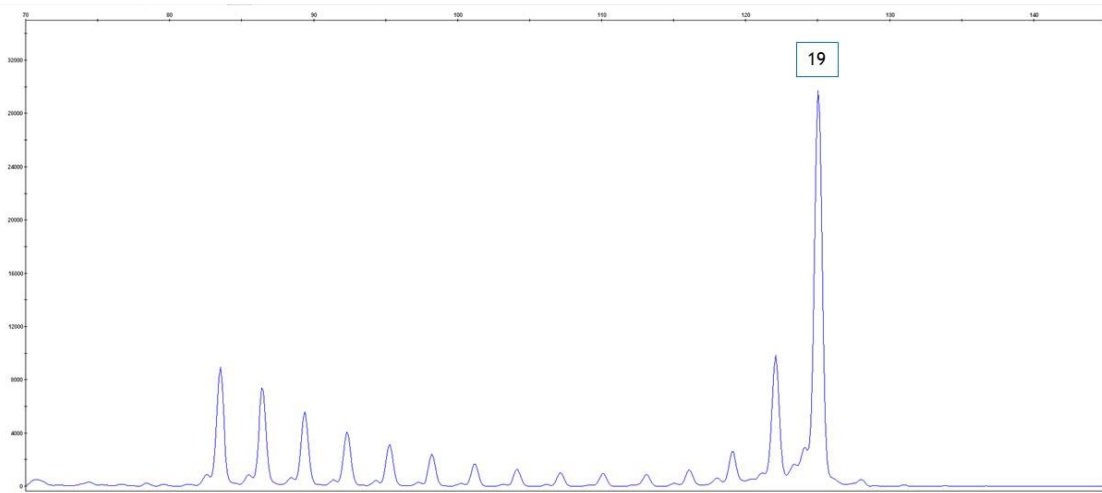
B) T15778_19CAG_C2: *HTT* Genotype 19 CAGs



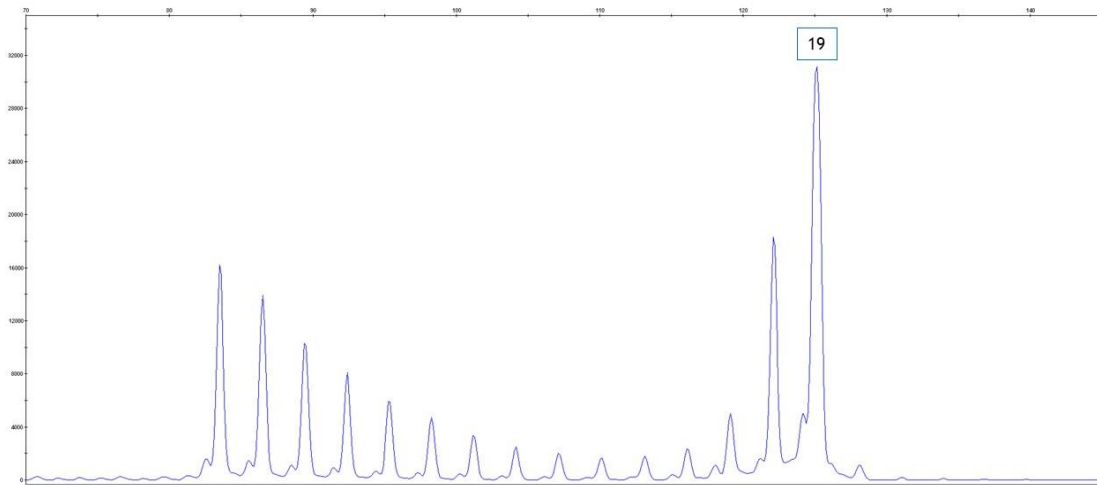
C) T15779_19CAG_C3: *HTT* Genotype 19 CAGs



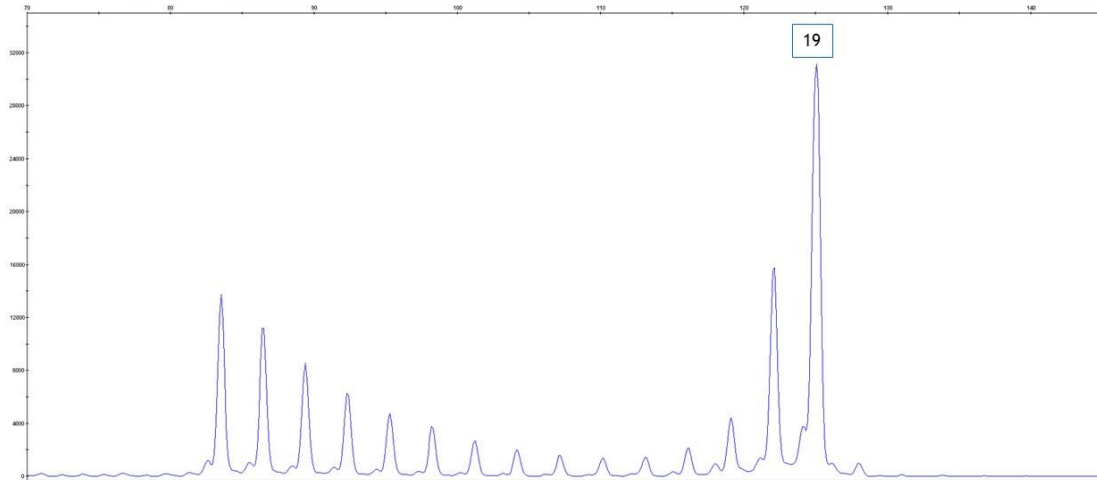
D) T15780_19CAG_C4: *HTT* Genotype 19 CAGs



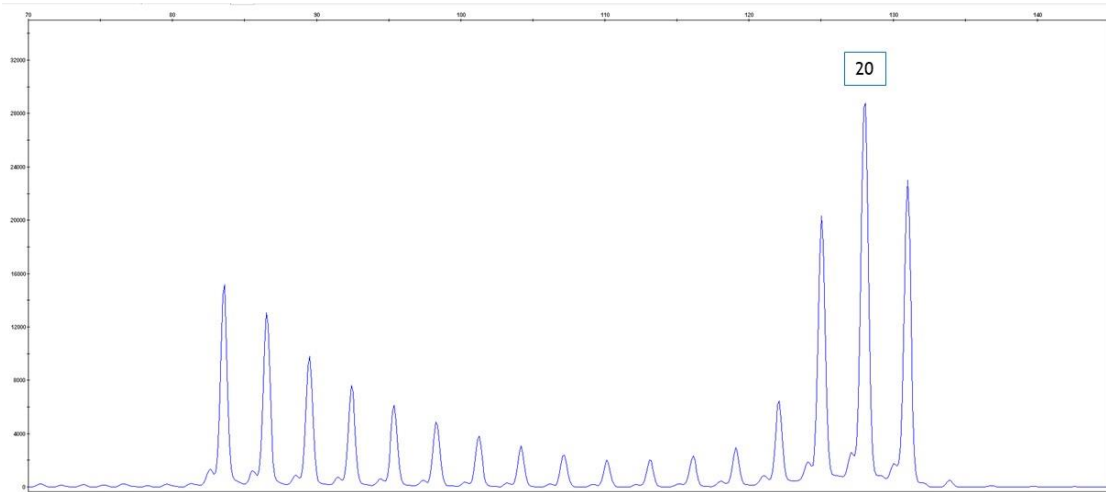
E) T15781_19CAG_C5: *HTT* Genotype 19 CAGs



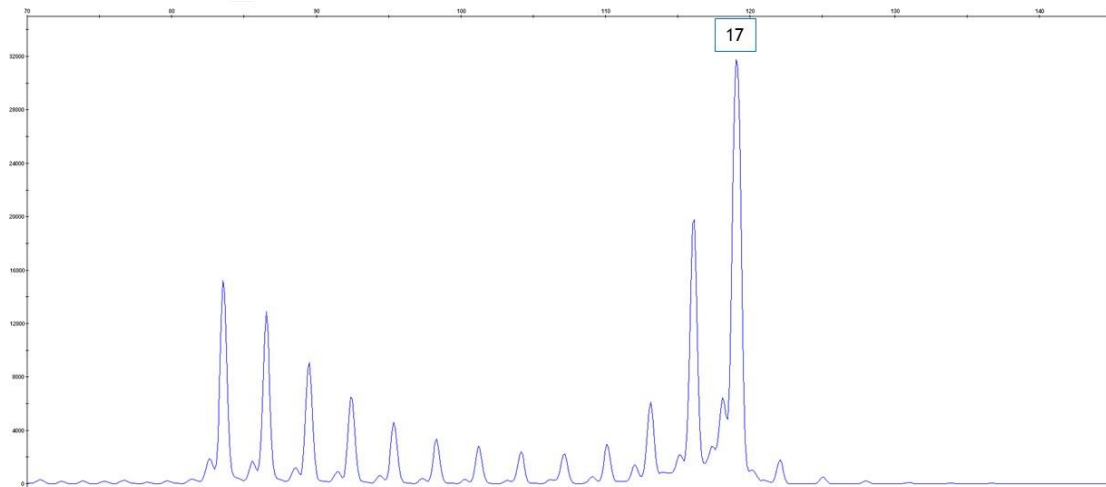
F) T15782_19CAG_C6: *HTT* Genotype 19 CAGs



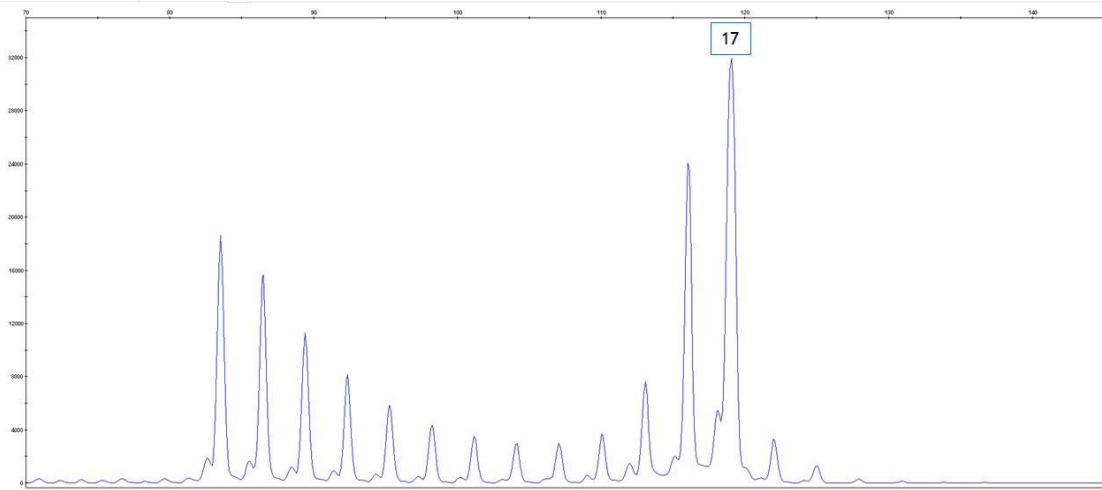
G) T15783_19CAG_NC1: *HTT* Genotype 20 CAGs



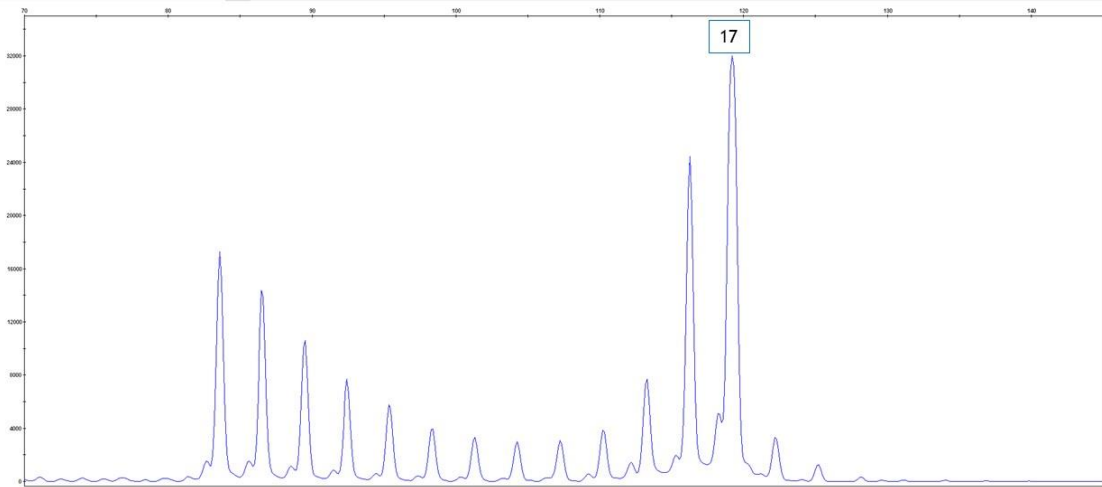
H) T15784_19CAG_NC2: *HTT* Genotype 17 CAGs, shifted due to missing spacer sequence



I) 15785_19CAG_NC3: *HTT* Genotype 17 CAGs, shifted due to missing spacer sequence



J) T15786_19CAG_NC4: *HTT* Genotype 17 CAGs, shifted due to missing spacer sequence



K) T15787_HTT_19CAG7CCG, Reference (control) sequence: *HTT* Genotype 19 CAGs

