

**Table S1.** Repeat size and melt peak temperatures of clinical samples carrying expanded alleles

Sample ID	Repeat size <sup>a</sup>	T <sub>m</sub> (°C)	
		5' TP-PCR	3' TP-PCR
pDMPK(CTG) <sub>35</sub>	35 <sup>b</sup>	83.97	83.42
pDMPK(CTG) <sub>48</sub>	48 <sup>b</sup>	84.79	84.51
DM0001	5 / 160	86.74	86.46
DM0002	13 / 150	86.74	86.73
DM0006	11 / 300-700	87.02	86.73
DM0010	13 / 400-480	87.3	86.73
DM0011	5 / 80	85.36	85.63
DM0014	10 / 1200-1500	87.02	86.73
DM0017	12 / 1000-1500	87.02	86.73
DM0024	5 / 1200-1600	87.02	86.73
DM0025	200 - >1000	87.02	86.73
DM0027	12 / 800-1150	87.02	87.01
DM0031	13 / 550-1200	86.74	86.73
DM0032	14 / 400-650	87.02	86.73
DM0037	8 / 550-900	87.02	87.01
DM0038	10 / 200-500	87.3	87.29
DM0039	5 / 550-1050	87.02	86.73
DM0043	5 / 1250-1900	87.02	86.73
DM0044	5 / 290-750	87.02	86.73
DM0045	5 / 3000-4000	87.02	86.73
DM0047	11 / 1900-2600	87.02	86.73
DM0049	5 / 300-600	86.74	86.73
DM0051	5 / 400-600	87.02	87.01
DM0052	5 / 500-700	87.02	87.01
DM0054	14 / 350-700	87.02	86.73
DM0058	13 / 450-600	87.3	86.73
DM0060	11 / 650-950	87.02	86.73

<sup>a</sup>As previously genotyped using PCR (for the non-disease associated allele) and Southern blot analysis (for the expanded allele)

<sup>b</sup>Repeat-length determined by sequencing