Supplementary Table 1: Characterization of the UK SCA6 cohort

| Features                              | Overall cohort (N=173)* | AAO subcohort (N=86) |
|---------------------------------------|-------------------------|-----------------------|
| Mean normal allele size ± SD [range]  | 12.2 ± 1.2 [7-15]       | 12.4 ± 1.1 [7-15]     |
| Mean expanded allele size ± SD [range]| 23.4 ± 1.1 [21-28]      | 23.5 ± 1.2 [21-28]    |
| Interruptions detected?              | No                      | No                    |
| Mean AAO (yrs ± SD) [range]          | ---                     | 56.7 ± 10.2 [18-76]   |
| Gender (M/F, %)                       | 54/46^a                 | 57/43^b               |

*This cohort is mostly composed of unrelated individuals.
Abbreviations: SD=standard deviation; AAO=age at onset; yrs=years; M=male; F=female; ^aMissing for 5 individuals; ^bMissing for 2 individuals.