

Supplemental data table e-1

Characteristic	Controls	PreHD-Group	HD-Group	Combined	PreHD-A	PreHD-B	HD1	HD2
<b>Age [years]</b>								
mean (SD)	46.1 (10.2)	40.8 (8.9)	48.8 (9.9)	44.9 (10.2)	41.1 (8.6)	40.6 (9.2)	47.2 (10.3)	51.4 (8.6)
(range)	(23.0 to 65.7)	(18.6 to 64.1)	(22.8 to 64.1)	( 18.6 to 64.1)	(18.6 to 59.4)	(22.3 to 64.1)	(22.8 to 64.1)	(33.3 to 63.3)
<b>Gender</b>								
Female N [%]	68 (55.3)	66 (55.0)	67 (54.5)	133 (54.7)	33 (53.2)	33 (56.9)	46 (59.7)	21 (45.7)
Male N [%]	55 (44.7)	54 (45.0)	56 (45.5)	110 (45.3)	29 (46.8)	25 (43.1)	31 (40.3)	25 (54.3)
<b>Education [years]</b>								
mean (SD)	4 (1.3)	3.9 (1.2)	3.6 (1.3)	3.8 (1.3)	4.1 (1.1)	3.8 (1.3)	3.8 (1.3)	3.2 (1.4)
(range)	(1 to 6)	(2 to 6)	(1 to 6)	( 1 to 6)	(2 to 6)	(2 to 6)	(1 to 6)	(1 to 6)
<b>Disease Burden Score<sup>1</sup></b>								
mean (SD)	n/a	294.8 (47.7)	376.6 (73.3)	336.2 (74.2)	259.1 (30.1)	333.1 (30.0)	364.1 (74.3)	397.6 (67.5)
(range)	n/a	(171** to 408.9)	(156.2** to 566.5)	(156.2 to 566.5)	(171.0** to 308.2)	(267.6 to 408.9)	(156.2** to 566.5)	(234.3 to 548.7)
<b>UHDRS - Total Motor Score</b>								
mean (SD)	1.5 (1.7)	2.5 (1.6)	23.7 (10.8)	13.2 (13.1)	2.2 (1.4)	2.8 (1.8)	19.6 (9.2)	30.6 (9.7)
(range)	(0 to 7)	(0 to 8*)	(5 to 52)	(0 to 52)	(0 to 5)	(0 to 8*)	(5 to 44)	(12 to 52)
<b>UHDRS - fingertips non-dominant hand</b>								
mean (SD)	0.07 (0.3)	0.3 (0.5)	1.3 (0.7)	0.8 (0.8)	0.18 (0.4)	0.38 (0.6)	1.1 (0.7)	1.5 (0.7)
(range)	(0 to 1)	(0 to 2)	(0 to 3)	(0 to 3)	(0 to 1)	(0 to 2)	(0 to 3)	(1 to 3)
<b>UHDRS - fingertips dominant hand</b>								
mean (SD)	0.04 (0.2)	0.2 (0.4)	1.2 (0.7)	0.7 (0.8)	0.1 (0.3)	0.2 (0.5)	1.1 (0.7)	1.3 (0.7)
(range)	(0 to 1)	(0 to 2)	(0 to 3)	(0 to 3)	(0 to 1)	(0 to 2)	(0 to 3)	(0 to 3)
<b>Participants</b>								
all centres [N]	123	120	123	243	62	58	77	46
Leiden [N]	30	30	30	60	16	14	16	14
London [N]	30	30	30	60	14	16	19	11
Paris [N]	30	30	30	60	14	16	26	4
Vancouver [N]	33	30	33	63	18	12	16	17
Handedness (right / ambidextrous / left) [N]	109 / 2 / 12	106 / 3 / 11	104 / 6 / 13	210 / 9 / 24	55 / 1 / 6	51 / 2 / 5	65 / 2 / 10	39 / 4 / 3
<b>Number of Nonmissing Values by Variable [N]</b>								
IPI (ST)	120	117	117	234	59	58	73	44
IOI (ST)	120	117	117	234	59	58	73	44
ITI (ST)	120	117	117	234	59	58	73	44
TD (ST)	120	117	117	234	59	58	73	44
TF (ST)	120	117	117	234	59	58	73	44
Freq (ST)	120	117	117	234	59	58	73	44
ΔIPI (MT)	122	118	121	239	60	58	76	45
ΔMTI (MT)	122	118	121	239	60	58	76	45
ΔIOI (MT)	122	118	121	239	60	58	76	45
ITI (MT)	121	118	121	239	60	58	76	45
TD (MT)	122	118	121	239	60	58	76	45
TF (MT)	122	118	121	239	60	58	76	45
RT (MT)	122	118	121	239	60	58	76	45
DBS <sup>1,2</sup>	n/a	120	123	243	n/a	n/a	n/a	n/a
UHDRS-TMS <sup>2</sup>	n/a	120	123	243	n/a	n/a	n/a	n/a
UHDRS-fingertaps <sup>2</sup>	n/a	120	123	243	n/a	n/a	n/a	n/a
VBM right-handed	n/a	106	100	206	n/a	n/a	n/a	n/a
Cortical Thickness (Siemens) right-handed	n/a	50	43	93	n/a	n/a	n/a	n/a
VBM & TD	n/a	103	95	198	n/a	n/a	n/a	n/a
VBM & IOI	n/a	103	95	198	n/a	n/a	n/a	n/a
VBM & ΔIOI	n/a	104	98	202	n/a	n/a	n/a	n/a
Cortical Thickness & TD	n/a	48	41	89	n/a	n/a	n/a	n/a
Cortical Thickness & IOI	n/a	49	43	92	n/a	n/a	n/a	n/a
Cortical Thickness & ΔIOI	n/a	50	43	93	n/a	n/a	n/a	n/a

<sup>1</sup>[(CAG-repeat - 35.5) x age, Penney, Jr. *et al.* 1997)<sup>2</sup>for the number of correlations, please also see Table 5<sup>3</sup>only right-handed subjects were taken into account

\* 3 subjects had UHDRS- Total Motor Scores &gt; 5 but with a lower diagnostic confidence level

\*\*waivers were granted for lower Disease Burden Scores