

Table 4: sMR Brain Measures in cc's	HC (n = 234) Mean	JOHD (n = 19) Mean	F*	p-value
Total Brain Volume	1,353.39	1,295.27	12.14	< 0.001
Cerebrum Total	1,206.62	1,121.78	12.16	< 0.001
Cerebrum/Total Brain	89.50	89.05	5.50	0.01
Cerebral White	374.74	329.13	31.66	< 0.0001
Cerebral White/Total Brain	27.44	24.98	28.42	< 0.0001
Cerebral Cortex	693.91	621.60	18.38	< 0.0001
Cerebral Cortex/Total Brain	52.83	51.68	4.64	0.03
Caudate	7.24	2.08	464.04	< 0.0001
Caudate/Total Brain	0.55	0.17	584.15	< 0.0001
Putamen	10.89	4.91	456.70	< 0.0001
Putamen/Total Brain	0.82	0.41	481.86	< 0.0001
Globus Pallidus	2.61	1.37	326.39	< 0.0001
Globus Pallidus/Total Brain	0.21	0.12	316.75	< 0.0001
Thalamus	12.74	10.29	63.70	< 0.0001
Thalamus/Total Brain	0.93	0.81	36.42	< 0.0001
Cerebellum	141.85	137.41	1.82	0.17
Cerebellum Total/Total Brain	10.49	10.94	5.50	0.01
Anterior Cerebellum	16.12	16.21	0.12	0.73
Anterior Cerebellum/Total Brain	1.19	1.29	9.91	< 0.01
Inferior Posterior Cerebellum	51.89	49.29	3.25	0.07
Inferior Posterior Cerebellum/Total Brain	3.84	3.92	0.95	0.33
Superior Posterior Cerebellum	39.54	37.05	2.60	0.10
Superior Posterior Cerebellum/ICV	2.84	2.90	0.67	0.41

Abbreviation: HC = Healthy Control; JOHD = juvenile-onset Huntington disease
Volume reported as ratio to total brain (region of interest [ROI] / Total Brain X 100), expressing percentage of RO1
F values are from a linear model that adjusts for age, sex, and scanner