On-line Table: Linear regression analysis: β-coefficients (model R^2) (P values) of correlations between deep gray matter structures with significant volumetric differences and cognitive variables and disease characteristics after adjusting for age, sex, years of education, and head size[a]

SDGM Structures	Global Cognition	Executive Function	Attention and Working Memory	Episodic Memory	Language Abilities	Visuospatial Abilities	Disease Duration	UPDRS
Nucleus accumbens	0.23 (0.23) (0.060)	0.23 (0.26) (.06)	0.28 (0.32) (.020)[b]	0.15 (0.17) (.257)	0.25 (0.25) (.039)[b]	−0.08 (0.12) (.531)	0.19 (0.03) (.170)	−0.22 (0.08) (.111)
Thalamus	0.07 (0.20) (.571)	0.06 (0.23) (.638)	0.23 (0.30) (.066)	−0.02 (0.16) (.854)	0.17 (0.27) (.157)	−0.03 (0.11) (.838)	0.25 (0.05) (.073)	−0.12 (0.05) (.396)
Amygdala	−0.148 (0.20) (.172)	−0.30 (0.30) (.004)	0.01 (0.27) (.912)	−0.11 (0.17) (.341)	−0.14 (0.27) (.180)	−0.08 (0.12) (.507)	0.25 (0.06) (.038)	−0.01 (0.05) (.953)
Hippocampus	0.03 (0.20) (.795)	0.05 (0.23) (.690)	0.12 (0.28) (.268)	0.07 (0.16) (.567)	0.11 (0.26) (.317)	0.02 (0.11) (.832)	0.08 (0.02) (.530)	−0.17 (0.07) (.173)
Caudate nucleus	0.05 (0.20) (.673)	−0.06 (0.22) (.625)	0.16 (0.29) (.159)	−0.11 (0.17) (.382)	−0.12 (0.26) (.287)	0.01 (0.11) (.924)	−0.12 (0.02) (.362)	−0.16 (0.06) (.208)
Putamen	0.07 (0.20) (.551)	0.03 (0.23) (.821)	0.31 (0.34) (.005)[b]	0.05 (0.16) (.674)	−0.11 (0.26) (.328)	0.14 (0.13) (.250)	0.08 (0.02) (.512)	−0.33 (0.12) (.009)[b]
Pallidum	0.09 (0.20) (.391)	0.03 (0.23) (.752)	0.19 (0.30) (.063)	−0.06 (0.16) (.566)	0.04 (0.25) (.721)	0.08 (0.12) (.456)	0.20 (0.05) (.081)	0.00 (0.05) (.965)

Note:—UPDRS indicates Unified Parkinson's Disease Rating Scale.

[a] Cells contain β-coefficients, model R^2, and P values, respectively.

[b] Significant linear regression coefficients after adjustment for age, sex, years of education, and head size.