

Supplementary Table 2. Relationship between the striatal dopamine loss, white matter change in the fornix, and UPDRS-III scores

	Mediator			Outcome (UPDRS-III)		
	β	SE	<i>p</i> -value	β	SE	<i>p</i> -value
Predictor: DAT availability	0.000	0.007	0.943	-7.807	2.330	0.001
Mediator: FA in the left fornix	-	-	-	-8.323	20.478	0.684

A mediation analysis for the UPDRS-III scores was performed to evaluate the association between striatal dopamine loss, white matter change in the fornix, and UPDRS-III scores, while adjusting for age, sex, and disease duration. The statistical model showed a good fit to the UPDRS-III scores based on the confirmatory fit index (1.000) and root mean square error of approximation (< 0.001). DAT, dopamine transporter; FA, fractional anisotropy; UPDRS-III, Unified Parkinson's Disease Rating Scale Part III; β = unstandardized regression coefficient; SE = standard error.