

Supplementary Table 2. Statistical summary of 3D analyses excluding participants who received < 2.5V STN DBS [^]

	<i>p</i>	Peak Weighted Mean Value	Peak Weighted Mean Location (x, y, z)	Peak Weighted Mean Location	Peak in <i>p</i> image	Peak <i>p</i> Location (x, y, z)	Peak <i>p</i> Location
Movement^a							
Bradykinesia	0.76						
Body	0.001	-2.0	(18, -16.5, -2.5)	comb bundle/cp	<0.001	(12, -17.5, 0)	VLPE
Rigidity	0.023	-3.0	(13, -24, -1.0)	VPM	<0.001	(13.5, -20, -3)	Dorsal STN/ZI
Tremor at rest	0.009	-5.0	(17, -20, 0)	VPL/eml	<0.001	(13, -20, -3)	Dorsal STN/ZI
UPDRS total	0.08	-10.5	(7.5, -20.5, -5)	crt	<0.001	(13, -20.5, -4)	Dorsal STN
Mood and motivation^b							
Anxiety	0.77						
Arousal	0.26						
Valence	0.46						
Apathy	0.67						
Cognition^c							
GNG	0.49						
SDR	0.49						

[^], Peak *p* and weighted mean values and locations are only listed for the measures found to be significant in the permutation analysis. STN, subthalamic nucleus; cp, cerebral peduncle; VLPE, ventral lateral posterior thalamic nucleus, external part; VPM, ventral posterior medial thalamic nucleus; ZI, zona incerta; VPL, ventral posterior lateral thalamic nucleus; eml, external medullary lamina of thalamus; crt, cerebello-rubro-thalamic fibers; GNG, Go-NoGo; SDR, spatial delayed response.