

Supplementary Table 1: Linear regression model results for Maze intertap intervals (ITI) compared to spatiotemporal gait measures in PD participants in the OFF levodopa state (n=25)

[illegible]

Supplementary Table 2: Linear regression model results for Maze intertap intervals (ITI) compared to standard PD assessment scales in PD participants in the OFF levodopa state (n=25)

[illegible]

Supplementary Table 3: Linear regression model results for Maze intertap intervals compared to non-motor assessment scales

	MoCA		HAM-A		HAM-D		RBD-Q	
	R ²	<i>p</i> value	R ²	<i>p</i> value	R ²	<i>p</i> value	R ²	<i>p</i> value
Maze 1 ITI	0.001	0.878	0.014	0.578	0.007	0.700	0.011	0.612
Maze 2 ITI	0.129	0.078	0.024	0.460	0.010	0.633	0.036	0.364
Maze 3 ITI	0.134	0.072	0.006	0.703	0.005	0.746	0.012	0.602
Maze 4 ITI	0.002	0.839	0.033	0.388	0.024	0.459	0.002	0.832
Maze 5 ITI	0.001	0.857	0.019	0.513	0.013	0.587	0.000	0.950
All Benjamini-Hochberg (BH) corrected <i>p</i> values were 0.950.								

Supplementary Table 4: Repeated measures ANOVA for PD participants (n=22) levodopa response on mazes

	R ²	<i>p</i> value	BH corrected <i>p</i> value
Maze 1	3.939	0.06	0.1
Maze 2	15.576	0.00074	0.004
Maze 3	6.843	0.016	0.04
Maze 4	1.361	0.256	0.245
Maze 5	1.782	0.196	0.256
Numbers in bold indicate significant <i>p</i> values after Benjamini-Hochberg (BH) correction			

Supplementary Table 5: Linear regression model results for levodopa response for delta maze intertap intervals compared to delta UPDRS scores

	delta motor UPDRS			delta total UPDRS		
	R ²	<i>p</i> value	BH corrected <i>p</i> value	R ²	<i>p</i> value	BH corrected <i>p</i> value
Maze 1 delta ITI	0.088	0.193	0.214	0.076	0.226	0.226
Maze 2 delta ITI	0.485	0.000456	0.005	0.409	0.002*	0.010
Maze 3 delta ITI	0.183	0.053	0.076	0.151	0.081	0.101
Maze 4 delta ITI	0.301	0.010	0.025	0.308	0.009*	0.030
Maze 5 delta ITI	0.247	0.022	0.044	0.182	0.031	0.052

Numbers in **bold** indicate significant p values after Benjamini-Hochberg (BH) correction

