

**Supplementary Table 1.** Clinical characteristics of all participants with PD

Variables	Values ( <i>n</i> = 84)
Age (yr)	65.14 ± 9.00
Sex, female	41 (48.8)
Disease duration (yr)	1.35 ± 1.41
Education years (yr)	11.43 ± 4.28
H&Y stage	2.11 ± 0.66
<b>MDS-UPDRS, total</b>	
Total score	45.44 ± 17.26
MDS-UPDRS part I	7.37 ± 3.87
MDS-UPDRS part II	7.38 ± 5.58
MDS-UPDRS part III	30.48 ± 11.40
GDS	13.81 ± 0.83
MoCA	23.28 ± 3.82
<b>YOF test</b>	
Total score (1–36)	17.12 ± 7.44
Threshold (1–12)	5.63 ± 3.82
Discrimination (0–12)	4.46 ± 2.54
Identification (0–12)	6.99 ± 3.17
<b>YGF test</b>	
Total score (0–30)	11.61 ± 3.71
Umami	1.24 ± 0.56
Sour	2.55 ± 1.21
Salty	2.88 ± 1.23
Bitter	2.83 ± 1.05
Sweet	2.07 ± 1.24

Data are shown as *n* (%) or mean ± standard deviation. YGF test is comprised of six threshold tests, and the function of taste was evaluated solely based on the overall score. The values in parentheses indicate the range of test scores.

PD, Parkinson's disease; H&Y, Hoehn and Yahr scale; MDS-UPDRS, Movement Disorder Society-Sponsored Revision of the Unified Parkinson's Disease Rating Scale; GDS, Geriatric Depression Scale; MoCA, Montreal Cognitive Assessment; YOF, YSK olfactory function; YGF, YSK gustatory function.