

**Supplementary Table 1.** Correlation between olfactory function (CCSIT score) and neuropsychological performance

Neuropsychological items	Correlation coefficient	<i>p</i> value	Q-value
Digit span forward	0.011	0.876	0.876
Digit span backward	0.086	0.205	0.279
K-BNT	0.258	< 0.001	0.002
RCFT copy	0.061	0.372	0.364
SVLT immediate recall	0.147	0.030	0.084
SVLT delayed recall	0.056	0.407	0.436
SVLT recognition	0.178	0.009	0.043
RCFT immediate recall	0.104	0.125	0.208
RCFT delayed recall	0.106	0.120	0.208
RCFT recognition	0.107	0.114	0.208
COWAT semantic	0.144	0.033	0.084
COWAT phonemic	0.072	0.291	0.364
Stroop color reading	0.188	0.005	0.041
Total K-MMSE score	0.098	0.159	0.239
CDR-SOB	-0.165	0.015	0.056

Data are results of partial correlation analysis using age, sex, and interval from PD onset to CCSIT evaluation as covariates. Q-value is a *p*-value that is adjusted for the false discovery rate. CCSIT: Cross-Cultural Smell Identification Test, CDR-SOB: Clinical Dementia Rating Sum of Boxes, COWAT: Controlled Oral Word Association Test, K-BNT: Korean version of the Boston Naming Test, K-MMSE: Korean version of the Mini-Mental State Examination, RCFT: Rey-Osterrieth Complex Figure Test, SVLT: Seoul Verbal Learning Test.