

Supplementary table 1. The multi-collinearity diagnostic of variables.

Variables	Tolerance	VIF
Duration of ET prior to PD onset	0.758	1.319
Family history of ET	0.808	1.238
UPDRS tremor score	0.870	1.149
UPDRS hypokinesia score	0.685	1.459
UPDRS instability score	0.689	1.451
Hyposmia	0.843	1.186
NMSS D1	0.923	1.083
MoCA score	0.770	1.298
HAMD score	0.346	2.888
HAMA score	0.334	2.991
PDSS-2 score	0.764	1.309

VIF: Variance inflation factor; ET: Essential tremor; HAMA: Hamilton anxiety scale; HAMD: Hamilton depression scale; MoCA: Montreal cognitive assessment; NMSS: Non-motor symptoms scale; PD: Parkinson's disease; PDSS: PD sleep scale; UPDRS: Unified PD rating scale.