



Supplementary Figure 1. Changes in the non-motor symptom scores after DBS. ESS, Epworth Sleepiness Scale; PSQI, Pittsburgh Sleep Quality Index; HADS-A, Hospital Anxiety and Depression Scale-anxiety; HADS-D, Hospital Anxiety and Depression Scale-depression; NMS, non-motor symptoms; QUIP, Questionnaire for Impulsive Compulsive Disorder in Parkinson's Disease Rating Scale; DBS, deep brain stimulation.