Supplementary Material

**Parkinson’s Disease Subtypes Identified from Cluster Analysis of Motor and Non-motor Symptoms**

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# Supplementary Figures



**Supplementary Figure 1.** Plot of the gap statistic versus number of clusters with k-means on 500 bootstrapped samples of a) the domains clustering, and b) the symptoms clustering. Error bars represent standard error (). Per the one-standard error method (Tibshirani et al., 2001), the optimal number of clusters is the smallest k such that For the domains clustering, ; for the symptoms clustering, . The gap statistic for the optimal and the comparison to are marked with dotted lines.



**Supplementary Figure 2.** Boxplots for domains clustering for each variable and cluster. This is an additional visualization of the data presented in Table 2 and Figure 1.



**Supplementary Figure 3.** Correlation of applicable variables with disease duration.