Supplementary Figure Legends

**Figure S1.** Left Putamen Positive and Negative Functional Connectivity
Thresholded Z-score maps (min Z > 2.3; cluster significance: p < 0.05, corrected) of positive and negative functional connectivity for each putamen ROI and for each condition. Abbreviations: dorsal-caudal putamen (dcP), dorsal-rostral putamen (drP), ventral-rostral putamen (vrP). Images are displayed according to radiological convention (left is right).

**Figure S2.** Right Putamen Positive and Negative Functional Connectivity
Thresholded Z-score maps (min Z > 2.3; cluster significance: p < 0.05, corrected) of positive and negative functional connectivity for each putamen ROI and for each condition. Abbreviations: dorsal-caudal putamen (dcP), dorsal-rostral putamen (drP), ventral-rostral putamen (vrP). Images are displayed according to radiological convention (left is right).

**Figure S3.** Left Caudate Positive and Negative Functional Connectivity
Thresholded Z-score maps (min Z > 2.3; cluster significance: p < 0.05, corrected) of positive and negative functional connectivity for each putamen ROI and for each condition. Abbreviations: dorsal caudate (DC), superior ventral striatum (VSs), inferior ventral striatum (VSi). Images are displayed according to radiological convention (left is right).
**Figure S4.** Right Caudate Positive and Negative Functional Connectivity

Thresholded Z-score maps (min Z > 2.3; cluster significance: p < 0.05, corrected) of positive and negative functional connectivity for each putamen ROI and for each condition. Abbreviations: dorsal caudate (DC), superior ventral striatum (VSs), inferior ventral striatum (VSi). Images are displayed according to radiological convention (left is right).

**Figure S5.** Striatal Functional Connectivity (Single Regression Model, with Time Series Orthogonalization)

Thresholded Z-score maps (min Z > 2.3; cluster significance: p < 0.05, corrected) of positive functional connectivity for each putamen ROI for the Placebo condition. These maps are the result of two separate analyses in which all six right hemisphere striatal ROI time series were entered into a single regression model and orthogonalized with respect to one another, and all six left hemisphere striatal ROI time series were entered into a single regression model and orthogonalized with respect to one another.

**Figure S6.** Graph of Significant L-Dopa-Related Related Increases in Functional Connectivity for the Putamen ROIs. Each graph plots the mean (and SEM) functional connectivity (correlation) for each condition (placebo and L-dopa), for each of the clusters that exhibited significant differential connectivity between conditions (min Z > 2.3; cluster significance: p < 0.05, corrected), as listed in
Table 1. Abbreviations: dorsal-caudal putamen (dcP), dorsal-rostral putamen (drP), ventral-rostral putamen (vrP).

Figure S7. Graph of Significant L-Dopa-Related Increases in Functional Connectivity for the Caudate ROIs. Each graph plots the mean (and SEM) functional connectivity (correlation) for each condition (placebo and L-dopa), for each of the clusters that exhibited significant differential connectivity between conditions (min Z > 2.3; cluster significance: p < 0.05, corrected) as listed in Table 2. Abbreviations: dorsal caudate (DC), superior ventral striatum (VSs), inferior ventral striatum (VSi), posterior cingulate cortex (PCC), medial occipital cortex (Medial Occ), ventromedial prefrontal cortex (vmPFC).

Figure S8. Graph of Significant L-Dopa-Related Increases in Functional Connectivity for the Probability-Weighted ROIs. Each graph plots the mean (and SEM) functional connectivity (correlation) for each condition (placebo and L-dopa), for each of the clusters that exhibited significant differential connectivity between conditions (min Z > 2.3; cluster significance: p < 0.05, corrected), as listed in Table 3.