

Table 1. Correlation coefficient (*r*) from Spearman's correlation analyses between ROIs GMW (left, right putamen and pallidum) and Perception Action Cycle latency, Actions Per Minute, Hotkey Selects usage.

	Putamen L	Putamen R	Pallidum L	Pallidum R
PAC latency Q1	<i>r</i> = -0.58, <i>p</i> = 0.02	<i>r</i> = -0.43, <i>p</i> = 0.10	<i>r</i> = -0.57, <i>p</i> = 0.02	<i>r</i> = 0.54, <i>p</i> = 0.03
PAC latency Q2	<i>r</i> = -0.34, <i>p</i> = 0.20	<i>r</i> = -0.12, <i>p</i> = 0.66	<i>r</i> = -0.33, <i>p</i> = 0.21	<i>r</i> = -0.25, <i>p</i> = 0.35
PAC latency Q3	<i>r</i> = -0.20, <i>p</i> = 0.46	<i>r</i> = -0.10, <i>p</i> = 0.72	<i>r</i> = -0.26, <i>p</i> = 0.34	<i>r</i> = -0.22, <i>p</i> = 0.41
PAC latency Q4	<i>r</i> = -0.21, <i>p</i> = 0.43	<i>r</i> = -0.19, <i>p</i> = 0.49	<i>r</i> = -0.30, <i>p</i> = 0.26	<i>r</i> = -0.29, <i>p</i> = 0.27
APM Q1	<i>r</i> = 0.22, <i>p</i> = 0.41	<i>r</i> = 0.12, <i>p</i> = 0.65	<i>r</i> = 0.03, <i>p</i> = 0.91	<i>r</i> = -0.04, <i>p</i> = 0.88
APM Q2	<i>r</i> = 0.16, <i>p</i> = 0.56	<i>r</i> = -0.02, <i>p</i> = 0.94	<i>r</i> = -0.03, <i>p</i> = 0.91	<i>r</i> = -0.06, <i>p</i> = 0.83
APM Q3	<i>r</i> = 0.23, <i>p</i> = 0.39	<i>r</i> = 0.09, <i>p</i> = 0.75	<i>r</i> = 0.06, <i>p</i> = 0.82	<i>r</i> = -0.03, <i>p</i> = 0.91
APM Q4	<i>r</i> = 0.25, <i>p</i> = 0.36	<i>r</i> = 0.09, <i>p</i> = 0.74	<i>r</i> = 0.10, <i>p</i> = 0.71	<i>r</i> = 0.06, <i>p</i> = 0.82
HS Q1	<i>r</i> = -0.36, <i>p</i> = 0.18	<i>r</i> = -0.40, <i>p</i> = 0.13	<i>r</i> = -0.29, <i>p</i> = 0.28	<i>r</i> = -0.39, <i>p</i> = 0.13
HS Q2	<i>r</i> = -0.27, <i>p</i> = 0.31	<i>r</i> = -0.24, <i>p</i> = 0.38	<i>r</i> = -0.14, <i>p</i> = 0.59	<i>r</i> = -0.27, <i>p</i> = 0.32
HS Q3	<i>r</i> = -0.28, <i>p</i> = 0.28	<i>r</i> = -0.31, <i>p</i> = 0.25	<i>r</i> = -0.20, <i>p</i> = 0.45	<i>r</i> = -0.33, <i>p</i> = 0.21
HS Q4	<i>r</i> = -0.18, <i>p</i> = 0.51	<i>r</i> = -0.18, <i>p</i> = 0.51	<i>r</i> = -0.07, <i>p</i> = 0.79	<i>r</i> = -0.21, <i>p</i> = 0.44

*Significant results are bolded, uncorrected for multiple comparisons (false discovery rate). PAC - Perception Action Cycle, APM - Action Per Minute, HS - Hotkey Selects, Q - quartile, L - left, R - right