

**Table 3** Regions showing altered node centrality among three groups

Regions	ANOVA <i>p</i> (F)	Post-hoc <i>p</i>		
		HC vs PKD-N	HC vs PKD-M	PKD-M vs PKD-M
<b><i>Nodal degree</i></b>				
<b>HC &gt; PKD-N &gt; PKD-M</b>				
Left supplementary motor area	0.014 (4.368)	0.167	0.004*	0.145
Right supplementary motor area	<0.001 (8.187)	0.285	<0.001*	0.007*
Left median cingulate & paracingulate gyri	0.005 (5.568)	0.010*	0.004*	0.692
Right postcentral gyrus	0.005 (5.383)	0.004*	0.006*	0.869
Right caudate nucleus	0.004 (5.629)	0.749	0.001*	0.027*
<b>HC &lt; PKD-N &lt; PKD-M</b>				
Right posterior cingulate gyrus	<0.001 (17.236)	0.082	<0.001*	<0.001*
<b><i>Nodal efficiency</i></b>				
<b>HC &gt; PKD-N &gt; PKD-M</b>				
Left supplementary motor area	0.001 (7.391)	0.215	<0.001*	<0.017*
Left median cingulate & paracingulate gyri	0.003 (5.989)	0.015	0.002*	0.459
Left angular gyrus	<0.001 (18.464)	0.632	<0.001*	<0.0001*
Right angular gyrus	0.001 (7.012)	<0.001	<0.001*	0.319
Right caudate nucleus	0.001 (7.091)	0.138	<0.001*	0.035*

Left pallidum	0.013 (4.451)	0.921	<0.008*	0.011*
Right pallidum	<0.001 (12.003)	0.593	<0.001*	<0.001*
Left thalamus	0.009 (6.056)	0.015*	0.006*	0.324
Right thalamus	<0.001 (7.977)	0.024*	<0.001*	0.121
Right superior temporal gyrus	<0.001 (9.066)	0.854	<0.001*	0.013
<b>HC &lt; PKD-N &lt; PKD-M</b>				
Right posterior cingulate gyrus	<0.001 (13.709)	0.087	<0.001*	0.001*

Note: These regions exhibited significant between-group differences in at least one node centrality parameter (asterisk), with Bonferroni correction. All *p* values were obtained by permutation test.

All the brain regions were defined by AAL (automated anatomical labeling).

Abbreviations: ANOVA, analysis of variance; HC: healthy controls; PKD-M/PKD-N, paroxysmal kinesigenic dyskinesia patients with/without PRRT2 mutations.