

Table S1. *P*-values of *post-hoc* analyses comparing striatal SUVRs of types of atypical parkinsonism for regions with statistically significant differences in one-way ANOVA or Kruskal-Wallis tests. Statistically significant differences are given in **bold**.

| Region | | PSP - CBD | PSP - MSA | PSP - DLB | PSP - NC | CBD - MSA | CBD - DLB | CBD - NC | MSA - DLB | MSA - NC | DLB - NC |
|----------|-------|--------------|--------------|--------------|-------------|--------------|--------------|-------------|--------------|--------------|-------------|
| Caudate | L | 1.000 | 0.470 | 1.000 | 0.577 | 0.703 | 1.000 | 0.638 | 0.104 | 0.035 | 1.000 |
| | R | 1.000 | 0.839 | 1.000 | 0.124 | 1.000 | 1.000 | 0.166 | 0.148 | 0.011 | 1.000 |
| Striatum | L | 1.000 | 0.252 | 1.000 | 1.000 | 1.000 | 1.000 | 0.315 | 0.097 | 0.037 | 1.000 |
| | R | 1.000 | 0.337 | 1.000 | 0.130 | 1.000 | 1.000 | 0.052 | 0.170 | 0.008 | 0.532 |
| | Whole | 1.000 | 0.666 | 1.000 | 1.000 | 1.000 | 1.000 | 0.279 | 0.196 | 0.060 | 1.000 |