

**Extended data Figure 1-4: Locomotive phenotypes in ParkinKO PD-mito-Pstl mice.** Statistical analyses for motor tests measurements taken at 2 months of age. p value and Degree of freedom (DF) after one-way ANOVA analysis and Tukey's multiple comparison test

<b>Test</b>	Rota-rod	Pole test	Distance travelled	Vertical time
	<b>DF 27</b>	<b>DF 68</b>	<b>DF 28</b>	<b>DF 28</b>
Cntrl vs. PD-mito-Pstl	0.5131	0.0418	0.3871	0.0048
Cntrl vs. ParkKO	0.9733	0.9997	0.3752	0.0065
Cntrl vs. ParkKO-PD-mitoPstl	0.1363	0.9993	0.4852	0.0002
PD-mito-Pstl vs. ParkKO	0.2399	0.053	>0.9999	0.9885
PD-mito-Pstl vs. ParkKO-PD-mitoPstl	0.7915	0.0515	0.9993	0.4993
ParkKO vs. ParkKO-PD-mitoPstl	0.0425	>0.9999	0.9999	0.2963