

**Extended data Figure 1-5: Locomotive phenotypes in ParkinKO PD-mito-*Pstl* mice.** Statistical analyses for motor tests measurements taken at 12 months of age. p value and Degree of freedom (DF) after one-way ANOVA analysis and Tukey's multiple comparison test

<b>Test, Age</b>	Pole test, 4mo	Vertical counts, 12m	Distance travelled, 12m	Rota-rod, 12m
	<b>DF 51</b>	<b>DF 23</b>	<b>DF 23</b>	<b>DF 20</b>
Cntrl vs. PD-mito-Pstl	<0.0001	0.9983	0.8756	0.6843
Cntrl vs. ParkKO	0.9765	0.7387	0.5829	0.9793
Cntrl vs. ParkKO-PD-mitoPstl	0.5137	0.6741	0.9493	0.9555
PD-mito-Pstl vs. ParkKO	<0.0001	0.7251	0.1337	0.2698
PD-mito-Pstl vs. ParkKO-PD-mitoPstl	<0.0001	0.6472	0.5196	0.9124
ParkKO vs. ParkKO-PD-mitoPstl	0.5871	0.9995	0.8773	0.7284