

**Extended data Figure 1-2: Locomotive phenotypes in ParkinKO PD-mito-*Pstl* mice.** Statistical analyses for weight measurements taken at 2, 4, 8, and 12 months of age. p value and Degree of freedom (DF) after one-way ANOVA analysis and Tukey's multiple comparison test

<b>Age</b>	2m	3m	4m	5m	6m	8m	12m
	<b>DF 66</b>	<b>DF 60</b>	<b>DF 57</b>	<b>DF 58</b>	<b>DF 41</b>	<b>DF 40</b>	<b>DF 45</b>
Cntrl vs. PD-mito- <i>Pstl</i>	0.0002	0.0004	0.0044	<0.0001	<0.0001	<0.0001	<0.0001
Cntrl vs. ParkKO	0.1935	0.3949	0.3116	0.1814	0.0006	0.0212	0.0056
Cntrl vs. ParkKO-PD-mito <i>Pstl</i>	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0004
PD-mito- <i>Pstl</i> vs. ParkKO	0.1658	0.0503	0.3514	0.0210	0.5596	0.0399	0.3334
PD-mito- <i>Pstl</i> vs. ParkKO-PD-mito <i>Pstl</i>	0.0004	0.0009	0.0003	0.0002	0.0307	0.9074	0.9966
ParkKO vs. ParkKO-PD-mito <i>Pstl</i>	<0.0001	<0.0001	<0.0001	<0.0001	0.0088	0.0290	0.5703