Extended data Figure 1-3: **Locomotive phenotypes in ParkinKO PD-mito-*Pst*I mice.** Statistical analyses for activity cage 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

	Cntrl vs. PD-mito-*Pst*I	Cntrl vs. ParkKO	Cntrl vs. ParkKO-PD-mito*Pst*I	PD-mito-*Pst*I vs. ParkKO	PD-mito-*Pst*I vs. ParkKO-PD-mito*Pst*I	ParkKO vs. ParkKO-PD-mito*Pst*I	DF
7:00 PM	0.9815	0.5514	0.0196	0.2361	0.0031	0.1609	23
7:30 PM	0.2327	0.7948	0.0134	0.0161	<0.0001	0.0468	25
8:00 PM	0.8577	0.6097	0.0056	0.2037	0.0009	0.0784	26
8:30 PM	0.7269	0.828	0.0031	0.2544	0.0003	0.0215	26
9:00 PM	0.8709	0.7464	0.0738	0.3104	0.0152	0.3817	26
9:30 PM	0.5438	>0.9999	0.0032	0.5134	0.0001	0.0036	26
10:00 PM	0.9985	0.2423	0.0151	0.3114	0.0213	0.4597	26
10:30 PM	0.9971	0.9856	0.1453	0.9989	0.2023	0.2536	26
11:00 PM	0.1047	0.4947	0.8536	0.7729	0.0276	0.1729	26
11:30 PM	>0.9999	0.7483	0.0652	0.729	0.061	0.3492	26
12:00 AM	0.8865	0.9854	0.9796	0.9812	0.7166	0.8924	26
12:30 AM	0.9998	0.9718	0.9812	0.9634	0.9792	>0.9999	21
1:00 AM	0.7616	0.8285	0.5542	0.9992	0.9746	0.949	26
1:30 AM	0.9351	0.9213	0.9643	>0.9999	0.9999	0.9995	26
2:00 AM	0.969	0.6932	0.9971	0.915	0.9963	0.8454	26
2:30 AM	0.6944	0.7176	0.481	>0.9999	0.972	0.9649	26
3:00 AM	0.357	0.7478	0.2101	0.9077	0.967	0.7046	26
3:30 AM	0.4732	0.1678	0.4553	0.9057	0.999	0.9617	26
4:00 AM	>0.9999	0.5523	0.627	0.5523	0.627	>0.9999	26
4:30 AM	0.3455	0.4747	0.7459	0.9952	0.9422	0.9857	26
5:00 AM	0.9883	0.998	0.9079	0.9989	0.9822	0.957	26
5:30 AM	0.935	>0.9999	0.9103	0.9234	0.9994	0.8977	26
6:00 AM	0.3625	0.7563	0.3109	0.9062	0.9957	0.8294	26
6:30 AM	0.2071	0.9929	0.1004	0.3203	0.9486	0.1619	26
7:00 AM	0.832	>0.9999	0.284	0.8484	0.7259	0.2984	26