

Extended data Figure 3-2: Striatal alterations of dopamine and its metabolites. Statistical analyses for dopamine and dopamine metabolites at 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

Metabolite Age	DA 4mo	DA 8mo	DA 12mo	3MT 4mo	3MT 8mo	3MT 12mo	HVA 4mo	HVA 8mo	HVA 12mo	DOPAC 4mo	DOPAC 8mo	DOPAC 12mo
	DF 11	DF 14	DF 14	DF 11	DF 10	DF 17	DF 10	DF 9	DF 16	DF 10	DF 15	DF 17
Cntrl vs. PD-mito-Pstl	0.001	0.0045	0.0002	0.8703	0.0009	0.4949	0.0362	0.1357	0.0052	<0.0001	0.0762	0.6801
Cntrl vs. ParkKO	0.8996	>0.9999	0.246	0.0063	0.3945	0.0124	0.0981	0.9461	<0.0001	0.995	0.9951	>0.9999
Cntrl vs. ParkKO-PD-mitoPstl	0.0022	0.0052	0.0005	<0.0001	0.001	<0.0001	0.0001	0.006	<0.0001	0.0506	0.3909	0.0144
PD-mito-Pstl vs. ParkKO	0.001	0.0042	<0.0001	0.0016	0.006	0.1779	0.8267	0.304	0.0337	<0.0001	0.0464	0.8128
PD-mito-Pstl vs. ParkKO-PD-mitoPstl	0.7957	0.8747	0.9731	<0.0001	0.9904	0.0003	0.0145	0.1374	<0.0001	0.0031	0.8476	0.1045
ParkKO vs. ParkKO-PD-mitoPstl	0.0025	0.0049	<0.0001	0.0116	0.0063	0.0255	0.0023	0.0129	0.0006	0.0164	0.2816	0.0353