

Extended data Figure 5-1: Alterations of dopaminergic terminals and mtDNA in cortical region of ParkKO-PD-mitoPstl mice. Statistical analyses for qPCR performed on DNA from cortex at 12 and 19 months. p value and Degree of freedom (DF) after one-way ANOVA analysis and Tukey's multiple comparison test

Brain Region, Age qPCRs	Ctx, 12m COXI	Ctx, 19m COXI	Ctx, 12m ND4	Ctx, 19m ND4
	DF 11	DF 12	DF 12	DF 12
Cntrl vs. PD-mito-Pstl	0.8484	0.0895	0.1145	0.0473
Cntrl vs. ParkKO	0.9996	0.7037	0.9667	0.786
Cntrl vs. ParkKO-PD-mitoPstl	0.9091	0.2759	0.1084	0.3692
PD-mito-Pstl vs. ParkKO	0.8679	0.4458	0.1733	0.2194
PD-mito-Pstl vs. ParkKO-PD-mitoPstl	0.4339	0.8872	>0.9999	0.5745
ParkKO vs. ParkKO-PD-mitoPstl	0.8371	0.8441	0.1636	0.873

Brain region qPCRs	Ctx PstdeI/CoxI
	DF 11
PD-mito-Pstl12m vs. ParkKO-PD-mitoPstl 12m	0.0269
PD-mito-Pstl12m vs. PD-mito-Pstl19m	0.2378
PD-mito-Pstl12m vs. ParkKO-PD-mitoPstl 19m	0.9383
ParkKO-PD-mitoPstl 12m vs. PD-mito-Pstl19m	0.4868
ParkKO-PD-mitoPstl 12m vs. ParkKO-PD-mitoPstl 19m	0.048
PD-mito-Pstl19m vs. ParkKO-PD-mitoPstl 19m	0.435