



Fig. S1. Pathogenic features in *PINK1^{B9}* flies.

(A) Wing posture phenotypes in the indicated genotypes of flies. ($n \geq 3/\text{group}$) (B) and (C) Abnormal wing posture and flying ability tested in each group. ($n \geq 100/\text{group}$) (D), (E) and (F) Representative TEM images of adult flight muscles showing mitochondrial morphology. ($n \geq 4/\text{group}$) (G) and (H) Relative ATP and ROS levels tested in each group. ($n \geq 5/\text{group}$) Values were expressed as mean \pm S.D. (* $P < 0.05$, **** $P < 0.0001$, ns=not significant).