Supporting Information

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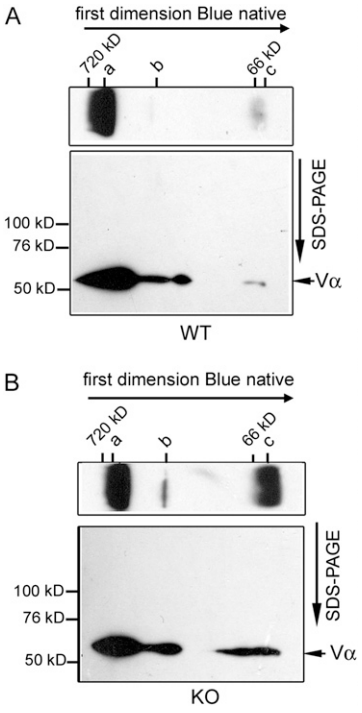

Fig. S1. 2D BN-PAGE/SDS/PAGE/Western blot analyses of mitochondrial proteins from *WT* (*A*) or *Pink1-KO* (*B*) flies. We first resolved *WT* mitochondrial proteins by BN-PAGE as shown in Fig. 4*A*. Following electrophoresis, we excised lane 1: WT from the gel, rotated this lane 90° counterclockwise and placed it on top of an SDS polyacrylamide gel for further resolution by SDS/PAGE. After SDS/PAGE, proteins were transferred to a PVDF membrane and probed with F1 α subunit antibody. The results demonstrated that the 600 kDa (a), 400 kDa (b), and 55 kDa (c) bands contained the α subunits and, therefore, correspond to complex V, F1 subcomplex, and F1 α monomer, respectively. (*B*) Similar to the experiment described in *A*, lane 2 of Fig. 4*A* gel (containing proteins form *PINK1-KO* fly mitochondria) was used. The results confirmed again that the 600-, 400-, and 55-kDa bands contained F1α subunit and, therefore, are complex V, F1 subcomplex, and the monomer, respectively. More importantly, compared with the *WT* in *A*, complex V assembly is inefficient in *PINK1-KO* fly mitochondria, because of an increase of F1 subcomplex and F1α monomer.