

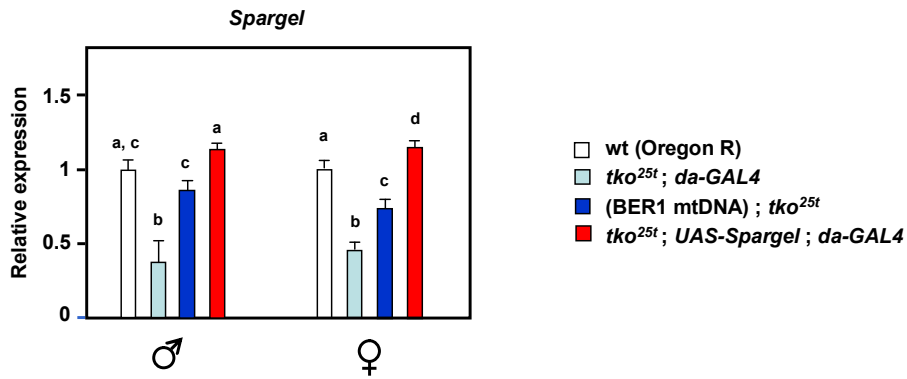
B

Figure S5 Expression levels of genes with known or proposed roles in mtDNA metabolism in *tko*^{25t} flies, in different mtDNA backgrounds. Q-RT-PCR of the indicated mRNAs, normalized to that of *RpL32* and then to the values for *tko*^{25t} females in the original (Oregon R-related) strain background, in flies of the strains and sex indicated. (A) Despite varying expression levels in males versus females, there were no significant differences between *tko*^{25t} flies of a given sex in the two mtDNA backgrounds tested (*t* test, $p > 0.05$ in all cases). (B) Use of the *UAS-Spargel* transgene, in combination with the ubiquitous *da-GAL4* driver, over-ride the downregulation of *Spargel* in *tko*^{25t} flies. a, b, c, d denote significantly different data classes (Newman-Keuls test, $p < 0.05$, based on ANOVA, $p < 0.01$)