

Supplementary Material

DNA Oxidation by Charge Transport in Mitochondria#

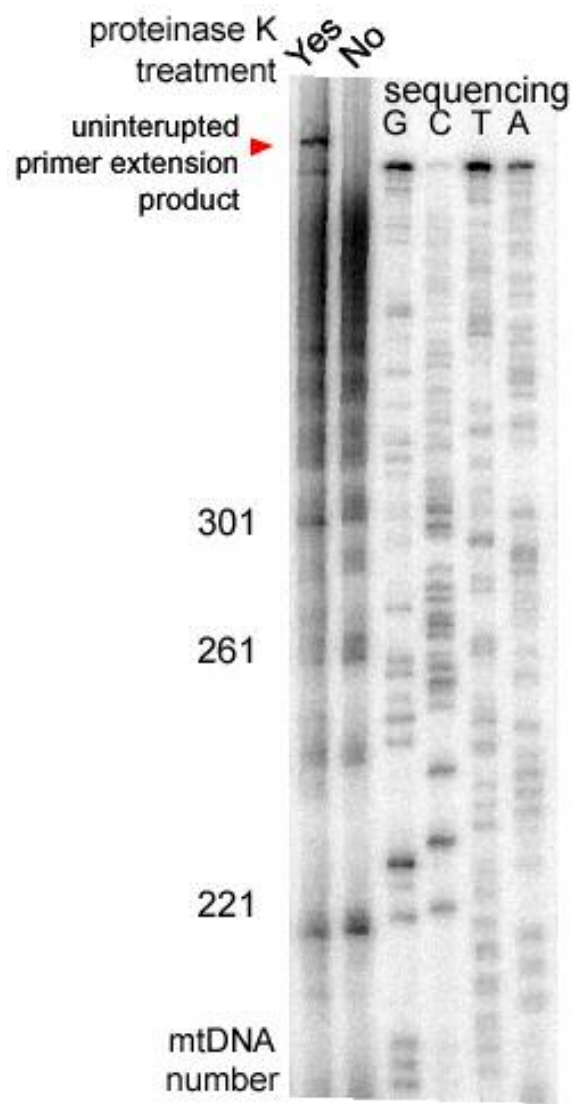
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Figure S1. PAGE gel showing primer extension of functioning mitochondria upon treatment with proteinase K. Functioning mitochondria in homogenized cell were purified as described in the text. The homogenized cells (200 μ L) were treated with 2 μ g of proteinase K at 37 $^{\circ}$ C for 30 minutes. Primer extension of untreated homogenized cells and subsequent primer extension yields the same repetitive stop pattern. Addition of proteinase K gives a new uninterrupted primer extension product (red triangle) that corresponds to DNA without bound protein. This indicates that the stop pattern is dependent on protein within the mitochondria.



Supplementary Figure S1