Figure 3-figure supplement 6

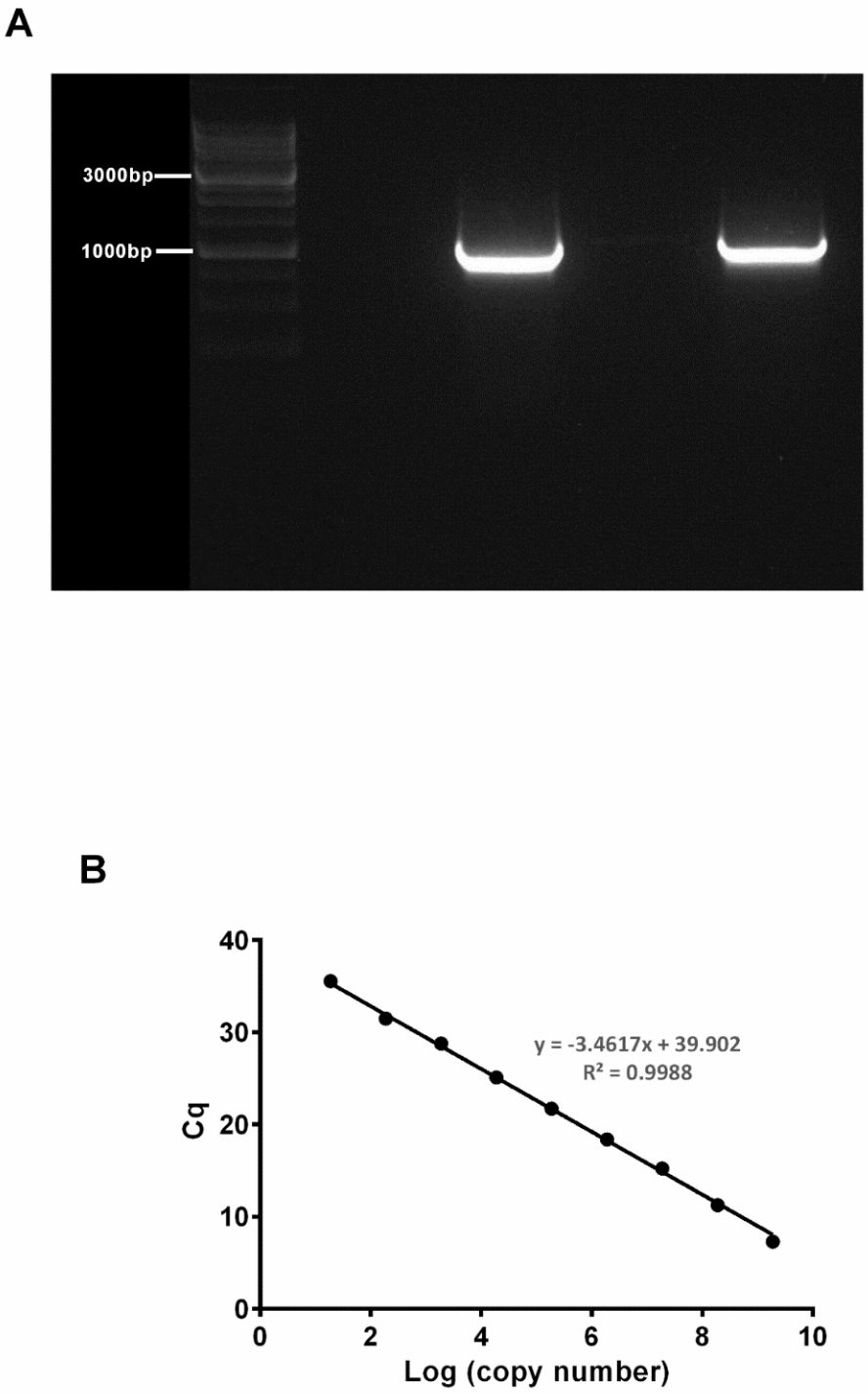

Figure 3-figure supplement 6. Generating a standard curve in order to determine absolute mtDNA copy number. A 1011bp fragment (**A**) containing the MTND1 region was amplified and then run (both visible lanes) with a 25K ladder (Diamed). Following separation on a 1% gel the band was extracted using a QIAquick Gel Extraction Kit (Qiagen) and the product quantified using a spectrophotometer. (**B)** The mtDNA fragment was then serially diluted down to generate a standard curve which was then run on a *MTND1* TaqMan® qPCR assay multiple times to generate a consistent line and equation. All subject samples were run at the same time along with the curve in order that their mtDNA copy number could be determined.