

(Ambion) at 37 °C for 30 min. After treatment, DNase I was inactivated by phenol-chloroform extraction and ethanol precipitation. Human heart-derived total RNA was purchased from Takara Bio. We reverse transcribed total RNAs into cDNA using the oligo-(dT)12-18 primer (Superscript II RT kit; Invitrogen). We analyzed the mRNA expression on an ABI 7700 (Applied

Biosystems). We listed the target gene name and identification numbers of the primer and probe mixtures (Applied Biosystems) in **Supplementary Table 1**.

21. Jakobs, S. High resolution imaging of live mitochondria. *Biochim. Biophys. Acta.* **1763**, 561–575 (2006).



