

FIGURE S1: AMPK inhibitor 8-bromo-AMP (8Br-AMP) blocks salidroside (SAL) induced increased AMPK α -Thr172 phosphorylation (A) and abolished salidroside (SAL) or resveratrol (RES) induced increment of mitochondrial biogenesis (B) or decreased ROS production in PD50 2BS cells (C). 8Br-AMP at 50 μ M were added 2 h before SAL (10 μ M) or RES (10 μ M) supplementation in the culture medium, and was present for 48h before harvested.

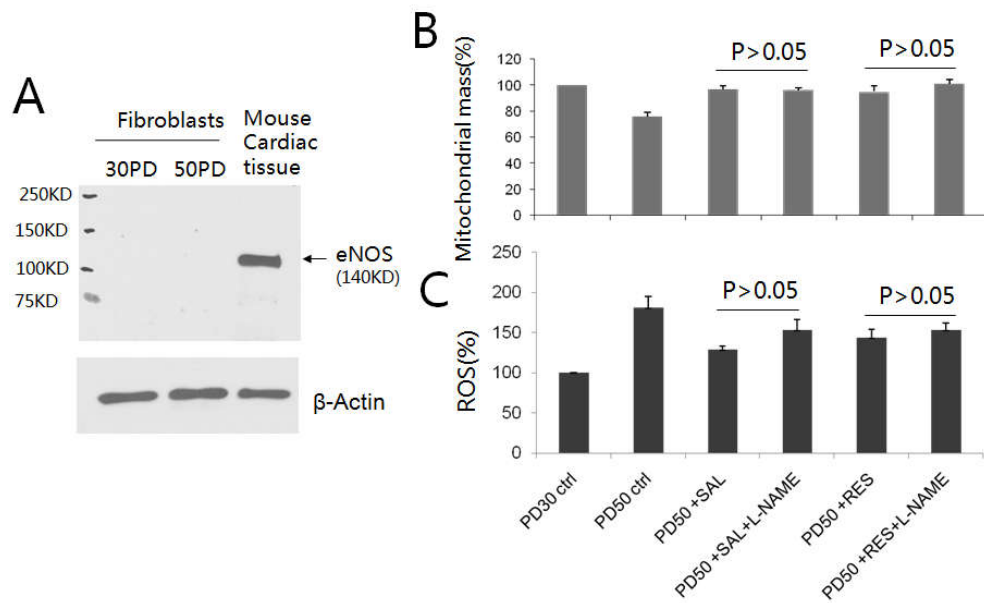


FIGURE S2: The protein expression of eNOS is undetectable in young PD30 or near-senescent PD50 2BS fibroblasts when compared to an eNOS positive expression sample, mouse cardiac tissue homogenate (A). The eNOS inhibitor NG-nitro-L-arginine methyl ester (L-NAME) does not influence the increment of mitochondrial biogenesis (B) or decreased ROS production induced by salidroside (SAL) or resveratrol (RES) in PD50 2BS cells (C). L-NAME at 200 μ M were added 2 h before SAL (10 μ M) or RES (10 μ M) supplementation in the culture medium, and was present for 48h before harvested.