



Electronic supplementary material

ESM Fig. 1 Change in levels of proteins related to mitochondrial fission–fusion in diabetic MCECs and the effect of the O_2^- scavenger TEMPOL on production of these proteins. **a** Western blots showing OPA1, MFN1 and MFN2 (mitochondrial fusion-related proteins), FIS1 and DRP1 (mitochondrial fission-related proteins), and porin in MCECs isolated from hearts. Actin was used as a loading control. **b** Summarised data for protein levels (normalised by actin level) in MCECs isolated from hearts. Data are mean \pm SEM from three samples in each group (except MFN2 [$n=2$]). * $p<0.05$ vs control. **c** Summarised data for protein levels (normalised by porin level) in MCECs isolated from hearts. Data are mean \pm SEM from three samples in each group (except MFN2 [$n=2$]). * $p<0.05$ vs control