Table S1

Protein	IFM Diab/IFM Control	IFM mPHGPx Diabetic/IFM Diabetic
Oxidative Phosphorylation		
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10	0.77	1.53
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	NC	1.63
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	0.77	NC
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	NC	1.57
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	0.63	NC
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	0.61	1.6
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	NC	2.28
NADH dehydrogenase [ubiquinone] iron-sulfur protein 2	NC	1.75
NADH dehydrogenase [ubiquinone] iron-sulfur protein 3	NC	1.41
NADH-ubiquinone oxidoreductase 75 kDa subunit	0.83	1.42
Succinate dehydrogenase [ubiquinone] flavoprotein subunit	0.86	1.37
Succinate dehydrogenase [ubiquinone] iron-sulfur subunit	0.84	1.25
Cytochrome b-c1 complex subunit 1	0.79	1.31
Cytochrome b-c1 complex subunit 2	0.82	1.56

Table 3

Cytochrome b-c1 complex subunit 8	0.73	NC
Cytochrome b-c1 complex subunit Rieske	NC	1.42
Cytochrome c oxidase subunit 6	0.88	NC
Cytochrome c1, heme protein	NC	1.37
ATP synthase protein 8	0.55	1.95
ATP synthase subunit alpha	NC	1.57
ATP synthase subunit epsilon	NC	1.92
ATP synthase subunit O	0.76	NS
Electron transfer flavoprotein subunit beta	0.80	1.62
Lipid Metabolism		
Acyl carrier protein	0.82	1.87
Enoyl-CoA hydratase	NC	1.91
Hydroxyacyl-coenzyme A dehydrogenase	0.71	2.06
Short-chain specific acyl-CoA dehydrogenase	0.69	NC
3-ketoacyl-CoA thiolase	NC	1.31
TCA cycle		
Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex	0.75	NC
Aconitate hydratase	NC	1.80

Table 3

Citrate synthase	NC	2.07
Isocitrate dehydrogenase 3 (NAD+)	0.74	3.5
Malate dehydrogenase	NC	1.39
NAD(P) transhydrogenase	NC	1.47
Transport		
60 kDa heat shock protein	NC	1.39
ADP/ATP translocase	NC	1.59
Mitochondrial heat shock protein 70	0.69	1.77
Mitochondrial inner membrane protein	0.55	1.7
Phosphate carrier protein	0.81	1.66
Voltage-dependent anion-selective channel 1	NC	1.58
Prohibitin-2	0.59	NC
Amino Acid Metabolism		
Aspartate aminotransferase	NC	1.98
Oxidation/Reduction		
D-beta-hydroxybutyrate dehydrogenase	0.57	2.45
Ketone Metabolism		
Succinyl-CoA:3-ketoacid-coenzyme A transferase 1	NC	2.05
Oxidative stress related		
Peroxiredoxin-5	0.73	NC