Table S5. Key metabolites per pathway used for calculating fluxSum of pathways of interest. Abbreviations as used in Recon3D and full names are given for all used metabolites. Letters in brackets indicate the cellular compartment: c, cytoplasm; m, mitochondria.

Pathway	Key metabolite abbreviation	Key metabolite full name
Glycolysis	'glc_D[c]'	'D-Glucose'
	'g6p[c]'	'D-Glucose 6-Phosphate'
	'f6p[c]'	'D-Fructose 6-Phosphate'
	'fdp[c]'	'D-Fructose 1,6-Bisphosphate'
	'dhap[c]'	'Dihydroxyacetone Phosphate'
	'g3p[c]'	'Glyceraldehyde 3-Phosphate'
	'13dpg[c]'	'3-Phospho-D-Glyceroyl Phosphate'
	'3pg[c]'	'3-Phospho-D-Glycerate'
	'2pg[c]'	'2-Phospho-D-Glycerate'
	'pep[c]'	'Phosphoenolpyruvate'
	'pyr[c]'	'Pyruvate'
Tricarboxylic acid cycle (TCA)	'cit[m]'	'Citrate'
	'icit[m]'	'Isocitric Acid'
	'akg[m]'	'2-Oxoglutarate'
	'succoa[m]'	'Succinyl Coenzyme A'
	'succ[m]'	'Succinate'
	'fum[m]'	'Fumarate'
	'mal_L[m]'	'(S)-Malate'
	'oaa[m]'	'Oxaloacetate'
Oxidative phosphorylation (OXPHOS)	nadh[m]'	'Nicotinamide Adenine Dinucleotide - Reduced'
	'fadh2[m]'	'Flavin Adenine Dinucleotide Reduced'
	'focytC[m]'	'Ferrocytochrome C'
	'q10h2[m]'	'Ubiquinol-10'
	'atp[m]'	'Adenosine Triphosphate'
Fatty acid oxidation (FAO)	'accoa[c]'	'Acetyl Coenzyme A'
	'accoa[m]'	'Acetyl Coenzyme A'
	'coa[c]'	'Coenzyme A'
	'coa[m]'	'Coenzyme A'