

Supplementary Table 4: list of mitochondrial proteins modulated in response to PLA beads

Uniprot accession	Protein name	ratio PLA treated/control	Mann Whitney U value
O08528	Hexokinase-2	1.09	2
O08715	A-kinase anchor protein 1, mitochondrial	2.1	1
O08734	Bcl-2 homologous antagonist/killer	2.1	2
O09111	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial	0.78	2
P00397	Cytochrome c oxidase subunit 1	1.84	2
P08249	Malate dehydrogenase, mitochondrial	0.79	2
P11440	Cyclin-dependent kinase 1	1.48	0
P11928	2'-5'-oligoadenylate synthase 1A	2.05	2
P20108	Peroxiredoxin 3	1.21	0
P42125	Enoyl-CoA delta isomerase 1, mitochondrial	0.65	1
P45952	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	0.89	2
P53395	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	1.47	1
P56383	ATP synthase F(0) complex subunit C2, mitochondrial	0.42	2
P56480	ATP synthase subunit beta, mitochondrial	1.18	0
P60603	Reactive oxygen species modulator 1	1.29	2
P61222	ATP-binding cassette sub-family E member 1	1.12	2
P62897	Cytochrome c, somatic	0.79	0
P63038	60 kDa heat shock protein, mitochondrial	0.86	2
Q07813	Apoptosis regulator BAX	1.16	0
Q6UPE1	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	1.42	1
Q8BGE6	Cysteine protease ATG4B	1.44	0
Q8BMF4	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	0.8	1
Q8CG76	Aflatoxin B1 aldehyde reductase member 2	1.64	2
Q8K0D5	Elongation factor G, mitochondrial	1.27	2
Q8K3J1	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	1.81	2
Q8R1I1	Cytochrome b-c1 complex subunit 9	1.68	0
Q91V92	ATP-citrate synthase	1.12	1
Q921M7	Protein FAM49B	1.17	0

Q99KI0	Aconitate hydratase, mitochondrial	1.15	2
Q99KK9	Probable histidine--tRNA ligase, mitochondrial	1.46	2
Q9CQA3	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	1.45	2
Q9CQE3	28S ribosomal protein S17, mitochondrial	1.8	2
Q9CYR0	Single-stranded DNA- binding protein, mitochondrial	1.4	0
Q9CZ13	Cytochrome b-c1 complex subunit 1, mitochondrial	1.09	1
Q9CZB0	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial	1.31	2
Q9D6R2	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	1.1	2
Q9DB77	Cytochrome b-c1 complex subunit 2, mitochondrial	1.22	0
Q9DCZ4	MICOS complex subunit Mic26	2.16	1
Q9JH15	Isovaleryl-CoA dehydrogenase, mitochondrial	0.71	2
Q9QZD8	Mitochondrial dicarboxylate carrier	1.3	0
Q9Z110	Delta-1-pyrroline-5- carboxylate synthase 1	1.13	2