

Supplementary Table 5: List of mitochondrial proteins modulated in response to PCL beads

accession N°	Name	PCL/ctrl	PS/ctrl
Q9JKF7	39S ribosomal protein L39, mitochondrial	6.17	5.21
Q99JT1	Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial	6.08	11.2
Q3TL44	NLR family member X1	5.12	14.39
P54987	Cis-aconitate decarboxylase	5	1.49
P50637	Translocator protein	3.62	1.09
Q8BK72	28S ribosomal protein S27, mitochondrial	2.16	2.83
Q9D1R1	Complex I assembly factor TMEM126B, mitochondrial	2.15	2.9
Q5U4F4	Transmembrane protein 135	1.76	3.6
Q8JZQ2	AFG3-like protein 2	1.44	1.4
Q62760	Mitochondrial import receptor subunit TOM20 homolog	1.43	1.42
Q9DCZ4	MICOS complex subunit Mic26	1.39	2.82
Q791V5	Mitochondrial carrier homolog 2	1.38	1.6
Q99J99	3-mercaptopyruvate sulfurtransferase	1.38	0.97
P28867	Protein kinase C delta type	1.37	1.22
Q8R5F7	Interferon-induced helicase C domain-containing protein 1	1.37	1.22
P11928	2'-5'-oligoadenylate synthase 1A	1.32	0.77
P97287	Induced myeloid leukemia cell differentiation protein Mcl-1 homolog	1.32	1
P09671	Superoxide dismutase [Mn], mitochondrial	1.28	1.25
P41216	Long-chain-fatty-acid--CoA ligase 1	1.27	1.49
Q9JM90	Signal-transducing adaptor protein 1	1.24	0.69
Q9CPU4	Glutathione S-transferase 3, mitochondrial	1.22	1.89
Q8BGH2	Sorting and assembly machinery component 50 homolog	1.21	1.29
Q9JIY5	Serine protease HTRA2, mitochondrial	1.19	0.62
Q64516	Glycerol kinase	1.17	0.96
Q60931	Voltage-dependent anion-selective channel protein 3	1.16	1.75
Q91WD5	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	1.15	1.45
Q9QUJ7	Long-chain-fatty-acid--CoA ligase 4	1.12	1.03
Q9Z110	Delta-1-pyrroline-5-carboxylate synthase	1.1	1.06
Q8JZR0	Long-chain-fatty-acid--CoA ligase 5	1.09	1.05
P51174	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	1.05	1.23
P05202	Aspartate aminotransferase, mitochondrial	0.95	1.12
P38647	Stress-70 protein, mitochondrial	0.95	0.88
P47738	Aldehyde dehydrogenase, mitochondrial	0.94	1.28
Q91VR2	ATP synthase subunit gamma, mitochondrial	0.94	1.06
P29758	Ornithine aminotransferase, mitochondrial	0.93	0.97
P39749	Flap endonuclease 1	0.93	0.84
P63038	60 kDa heat shock protein, mitochondrial	0.93	0.89
Q9CQA3	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	0.93	1.23
P53395	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	0.92	0.99
Q99LX0	Protein/nucleic acid deglycase DJ-1	0.92	1.1
Q9CZ13	Cytochrome b-c1 complex subunit 1, mitochondrial	0.92	1
Q9CZU6	Citrate synthase, mitochondrial	0.92	0.98

P26443	Glutamate dehydrogenase 1, mitochondrial	0.91	1.03
Q8K411	Presequence protease, mitochondrial	0.91	1.26
Q99LC5	Electron transfer flavoprotein subunit alpha, mitochondrial	0.91	1.12
Q9CQN1	Heat shock protein 75 kDa, mitochondrial	0.91	0.77
Q9D6R2	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	0.91	0.95
P08249	Malate dehydrogenase, mitochondrial	0.9	0.95
Q9D051	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	0.9	1.01
Q9D3D9	ATP synthase subunit delta, mitochondrial	0.9	1.27
Q9DCW4	Electron transfer flavoprotein subunit beta	0.9	1.19
Q9Z2I9	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial	0.9	0.87
O08756	3-hydroxyacyl-CoA dehydrogenase type-2	0.89	1.13
P54071	Isocitrate dehydrogenase [NADP], mitochondrial	0.89	1.17
P62897	Cytochrome c	0.89	1.22
P67778	Prohibitin	0.89	1.25
P97807	Fumarate hydratase, mitochondrial	0.89	1.11
Q8CAQ8	MICOS complex subunit Mic60	0.89	1.22
Q04447	Creatine kinase B-type	0.88	0.85
Q9CR68	Cytochrome b-c1 complex subunit Rieske, mitochondrial	0.88	0.95
Q9CZN7	Serine hydroxymethyltransferase, mitochondrial	0.88	0.84
Q9DCX2	ATP synthase subunit d, mitochondrial	0.88	1.25
P19783	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	0.86	0.87
Q8K2B3	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	0.86	1.05
Q99JR1	Sideroflexin-1	0.85	0.89
Q8QZT1	Acetyl-CoA acetyltransferase, mitochondrial	0.84	1.03
Q9CRB9	MICOS complex subunit Mic19	0.84	0.95
Q9CZW5	Mitochondrial import receptor subunit TOM70	0.84	1.21
O88986	2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial	0.83	0.7
P38060	Hydroxymethylglutaryl-CoA lyase, mitochondrial	0.82	1.16
Q8VCF0	Mitochondrial antiviral-signaling protein	0.82	1
Q99KE1	NAD-dependent malic enzyme, mitochondrial	0.81	0.72
Q61733	28S ribosomal protein S31, mitochondrial	0.797	4.09
Q9CQX2	Cytochrome b5 type B	0.79	1.31
B1AXP6	Mitochondrial import receptor subunit TOM5 homolog	0.78	1.43
P36552	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	0.75	0.92
Q62425	Cytochrome c oxidase subunit NDUFA4	0.74	0.69
Q9CQV5	28S ribosomal protein S24, mitochondrial	0.55	0.98
O88466	Zinc finger protein 106	0.31	0.41
Q80Y14	Glutaredoxin-related protein 5, mitochondrial	0.19	1.09

Bold: statistically significant changes (Mann Whitney U test ≤ 2)