

Supplementary Table 6: list of endoplasmic reticulum proteins modulated in response to PCL beads

accession	Name	PCL/ctrl	PS/ctrl
A1L1L2	Transmembrane protein 214	1.59	1.52
B9EJ86	Oxysterol-binding protein-related protein 8	1.34	1.22
O08756	3-hydroxyacyl-CoA dehydrogenase type-2	0.9	1.13
O35381	Acidic leucine-rich nuclear phosphoprotein 32 family member A	0.9	0.79
P01902	H-2 class I histocompatibility antigen, K-D alpha chain	1.04	1
P04441	H-2 class II histocompatibility antigen gamma chain	1.42	0.34
P08113	Endoplasmin	1.15	0.85
P11928	2'-5'-oligoadenylate synthase 1A	1.32	0.77
P16460	Argininosuccinate synthase	1.29	1.06
P18572	Basigin	0.62	0.98
P26443	Glutamate dehydrogenase 1, mitochondrial	0.91	1.04
P28867	Protein kinase C delta type	1.37	1.22
P29788	Vitronectin	0.77	1.96
P36371	Antigen peptide transporter 2	2.05	1.35
P37040	NADPH--cytochrome P450 reductase	1.09	1.05
P41216	Long-chain-fatty-acid--CoA ligase 1	1.27	1.49
P48036	Annexin A5	1.17	1.62
P50637	Translocator protein	3.63	1.09
P57080	Ubiquitin carboxyl-terminal hydrolase 25	1.6	0.99
P57791	CAAX prenyl protease 2	1.25	1.33
P61804	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1	1.11	1.25
Q5U2X6	Coiled-coil domain-containing protein 47	0.77	0.7
Q5XI41	Translocating chain-associated membrane protein 1	1.55	1.35
Q64310	Surfeit locus protein 4	1.24	1.85
Q6P5E4	UDP-glucose:glycoprotein glucosyltransferase 1	1.24	1.28
Q8BFZ9	Erlin-2	1.93	1.92
Q8BGS7	Choline/ethanolaminephosphotransferase 1	2.31	2.29
Q8BLN5	Lanosterol synthase	1.66	2.26
Q8BYI6	Lysophosphatidylcholine acyltransferase 2	1.13	0.71
Q8JZR0	Long-chain-fatty-acid--CoA ligase 5	1.09	1.05
Q8R0F3	Formylglycine-generating enzyme	0.85	1
Q8R0X7	Sphingosine-1-phosphate lyase 1	1.25	1.13
Q8R5J9	PRA1 family protein 3	2.15	1.36
Q99JV5	StAR-related lipid transfer protein 4	0.79	1.12
Q99LX0	Protein/nucleic acid deglycase DJ-1	0.92	1.1
Q99P31	Hsp70-binding protein 1	0.91	0.93
Q9CPU4	Microsomal glutathione S-transferase 3	1.22	1.89
Q9CQS8	Protein transport protein Sec61 subunit beta	0.87	1
Q9CR60	Vesicle transport protein GOT1B	3	1.07
Q9CXR1	Dehydrogenase/reductase SDR family member 7	1.56	1.22
Q9CYN2	Signal peptidase complex subunit 2	1.66	1.32
Q9D8V0	Minor histocompatibility antigen H13	1.15	1.1
Q9DAV9	Trimeric intracellular cation channel type B	3.06	2.32
Q9EQP2	EH domain-containing protein 4	1.19	0.94
Q9ERE7	LRP chaperone MESD	0.88	0.91
Q9JJZ4	Ubiquitin-conjugating enzyme E2 J1	0.55	0.98

Q9QUJ7	Long-chain-fatty-acid--CoA ligase 4	1.12	1.03
Q9QZE5	Coatomer subunit gamma-1	1.18	1.34
Q9QZN4	F-box only protein 6	4.15	3.91
Q9WV55	Vesicle-associated membrane protein-associated protein A	0.9	0.77
Q9Z0J0	NPC intracellular cholesterol transporter 2	0.79	1.56
Q9Z2G6	Protein sel-1 homolog 1	1.56	1.21

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

In green: proteins involved in ER stress response