

Supplementary File 4

Protein names and cross references to accession numbers and categories.

Gel No.	Protein Name	NCBI GI Number	Swiss-Prot Access. No.	Functional Categories	Refs.
1	14-3-3 protein alpha/beta	gi 31543974	Q9CQV8	RDP, ARC	34,35
2	14-3-3 protein epsilon	gi 226874906	P62259	RDP, ARC	34,35
3	14-3-3 protein gamma	gi 31543976	P61982	RDP, ARC	34,35
4	14-3-3 protein zeta/delta	gi 6756041	P63101	RDP, ARC	34,35
5	65-kDa macrophage protein	gi 984636	Q61233	ARC	36
6	6-phosphogluconolactonase	gi 13384778	Q9CQ60	OX	37,38
7	Actin-related protein 3	gi 12835802	Q99JY9	ARC	39
8	Actr2 protein	gi 29126784	P61161	ARC	39
9	Alpha-actinin-1	gi 46395721	Q7TPR4	ARC	40
10	Alpha-fetoprotein	gi 191765	P07724	ROI	41
11	Annexin A2	gi 6996913	P07356	ARC, ROI, OX	42-45
12	Annexin A4	gi 33416530	Q7TMN7	ROI	46
13	Anxa 5 protein	gi 13277612	P48036	ROI	47,48
14	ArsA arsenite transporter, ATP-binding, homolog 1	gi 12025542	O54984		
15	Atp5b protein	gi 23272966	P56480	OX	49
16	Calpain, small subunit 1	gi 110227381	O88456	ARC, PBCF	50,51
17	Calreticulin	gi 6680836	P14211	PBCF, ROI, RDP	52,53
18	Capping protein (actin filament) muscle Z-line, alpha 2 (CapZ alpha-2)	gi 6671672	P47754	ARC	54,55
19	Capping protein (actin filament) muscle Z-line, beta isoform (CapZ beta)	gi 83649737	P47757	ARC	54,55
20	Cathepsin D precursor	gi 6753556	P18242	PBCF, OX	56,57
21	Cathepsin S	gi 160707996	O70370	PBCF	58
22	Chaperonin subunit 2 (beta) (CCT2)	gi 126521835	Q542X7	ARC,PBCF	59,60
23	Chia protein	gi 15029822	Q91XA9	ROI	61
24	Chitinase 3-like 3 precursor (Ym1)	gi 254281348	O35744	ROI	61
25	Chloride intracellular channel 1	gi 15617203	Q9Z1Q5	ARC, PBCF, OX	62,63
26	Chloride intracellular channel 4 (mitochondrial)	gi 7304963	Q9QYB1	ARC, OX	64,65
27	CNDP dipeptidase 2	gi 31981273	Q9D1A2	PBCF	66
28	Coatomer subunit epsilon	gi 10946972	O89079		
29	Cytochrome b-c1 complex subunit 1, mitochondrial	gi 46593021	Q9CZ13		

30	EF hand domain containing 2	gi 31981086	Q8C845		
31	Endoplasmic reticulum resident protein 29	gi 19526463	P57759	PBCF	67
32	Eno1 protein (Alpha-enolase)	gi 34784434	Q6PHC1	ARC, PBCF, ROI	46,68,69
33	Ezrin	gi 50881	P26040	ARC	70
34	F-actin capping protein alpha-1 subunit (CapZ alpha-1)	gi 161086971	P47753	ARC	54,55
35	Ferritin heavy chain 1	gi 6753912	P09528	OX	71
36	Ferritin light chain 1	gi 114326466	Q9CPX4	OX	71
37	Gamma-actin (cytoplasmic actin 2)	gi 809561	P63260	ARC, OX	72,73
38	Gelsolin precursor	gi 28916693	P13020	ARC, OX	72,73
39	Glucose-6-phosphate dehydrogenase X-linked	gi 6996917	Q00612	OX	74
40	Glucosidase 2 subunit beta	gi 86198316	P08003		
41	Guanine deaminase	gi 6753960	Q9R111	ARC	75
42	Heat shock protein 1, beta (HSP90AB1)	gi 40556608	Q71LX8	ARC, OX, PBCF, ROI	73,76-78
43	Heat shock protein 5 precursor (GRP78)	gi 254540166	P20029	OX, PBCF, ROI	71,76,79,80
44	Heat shock protein 65 (HSP60)	gi 51455	P63038	PBCF, ROI	76,80,81
45	Heat shock protein 8 (HSC70; HSC71)	gi 42542422	P63017	PBCF, ROI	76,80
46	Heat shock protein 90, beta (Grp94), member 1	gi 14714615	Q91V38	OX, PBCF, ROI	76,80
47	Hematopoietic cell specific Lyn substrate 1	gi 255760028	Q922I8	ARC, ROI	82,83
48	Heme-binding protein	gi 3724328	Q9R257	ROI	84
49	Heterogeneous nuclear ribonucleoprotein K	gi 13384620	P61979	RDP	85
50	Heterogeneous nuclear ribonucleoprotein C1/C2	gi 8393544	Q9Z204	RDP	86
51	High mobility group 1 protein	gi 600761	P63158	RDP, ROI	87
52	Hnrpf protein	gi 58476100	Q9Z2X1	RDP	88
53	Kappa-B motif-binding phosphoprotein	gi 1083569	Q9YH06	RDP	89
54	Keratin type II	gi 511654	P11679	ARC, OX	71,90,91
55	Keratin, type I cytoskeletal 19	gi 6680606	P19001	ARC	92
56	Laminin receptor	gi 293694	P14206		
57	Major vault protein (MVP)	gi 17433104	Q9EQK5	ARC	93
58	Malate dehydrogenase, cytoplasmic	gi 254540027	P14152		
59	Microtubule-associated protein, RP/EB family, member 1	gi 7106301	Q61166	ARC	94
60	Myosin light chain, regulatory B-like	gi 71037403	Q6ZWQ9	ARC	72
61	N-acetyl-D-glucosamine kinase	gi 9506739	Q9QZ08		
62	NSFL1 cofactor p47	gi 38198665	Q9CZ44	PBCF	95
63	Nucleophosmin 1	gi 55153941	Q5U438	RDP	96

64	p50b, Leukocyte-specific protein 1 (LSP1)	gi 728498	P19973	ARC, RDP, ROI	97,98
65	Peroxiredoxin 1	gi 6754976	P35700	ROI, OX	99
66	Peroxiredoxin 2	gi 148747558	Q61171	OX	100
67	Platelet-activating factor acetylhydrolase 1B subunit beta	gi 40254624	Q61206		
68	Prohibitin	gi 6679299	P67778	RDP	101
69	Prolyl 4-hydroxylase, beta polypeptide precursor	gi 42415475	Q922C8	PBCF	102
70	Proteasome (prosome, macropain) 28 subunit, alpha	gi 6755212	P97371	PBCF	103
71	Proteasome alpha 1 subunit	gi 33563282	Q9R1P4	PBCF, OX	104,105
72	Protein CREG1	gi 6753520	O88668	RDP	106
73	Protein disulfide isomerase associated 6 (PDI-P5)	gi 60502437	Q922R8	PBCF, OX	107,108
74	Protein disulfide-isomerase A3 precursor	gi 112293264	P27773	PBCF, OX	108,109
75	Protein disulfide-isomerase A4	gi 86198316	P08003	PBCF, OX	108,110
76	Protein synthesis initiation factor 4A	gi 556308	P60843	OX, RDP	71,111
77	Purine nucleoside phosphorylase	gi 388921	P23492		
78	Put. beta-actin (aa 27-375)	gi 49868	P60710	ARC, OX	72,112
79	Rab GDP dissociation inhibitor beta	gi 26348171	Q61598	ARC	113
80	Rho GDP dissociation inhibitor (GDI) alpha	gi 31982030	Q99PT1	ARC	114
81	Serine (or cysteine) proteinase inhibitor, clade B, member 1a	gi 114158675	Q9D154	PBCF	115
82	Stress-70 protein, mitochondrial	gi 162461907	P38647	PBCF	116
83	Translationally-controlled tumor protein TCTP)	gi 6678437	P63028	PBCF	117
84	Tropomodulin 3	gi 8394460	Q9JHJ0	ARC	55
85	Tropomyosin 3, gamma	gi 40254525	Q8K0Z5	ARC	55
86	Tubulin, beta-4B chain	gi 22165384	P68372	ARC	
87	Tubulin, beta 5	gi 7106439	P99024	ARC, OX	73,118
88	Vacuolar adenosine triphosphatase subunit B	gi 1184661	P62814		
89	Valosin-containing protein	gi 6005942	P55072	ARC, OX, PBCF	71,119
90	Vimentin	gi 31982755	P20152	ARC, OX, ROI	71,120

List of proteins identified by 2D-DIGE by gel number with cross references to NCBI GI number, Swiss-Prot accession number, and functional protein categories (ARC, actin-related/cytoskeletal (n=38); OX, oxidative stress-related proteins (n=26); PBCF, protease balance/chaperone function (n=25); ROI, regulation of inflammation (n=19); and RDP, regulatory/ differentiative processes (n=15)). Classification into Functional Categories was based on information in the references cited (see reference list in manuscript).

