

Supplementary table 1

SILAC consensus list					
#	UniProt ID	Uniprot name	Gene name	Protein name	Intensity ratio (R) PP2 / DMSO
1	P49748	ACADV_HUMAN	ACADVL	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	1,40
2	P33121	ACSL1_HUMAN	ACSL1	Long-chain-fatty-acid--CoA ligase 1	1,87
3	P68032	ACTC_HUMAN	ACTC1	Actin, alpha cardiac muscle 1	0,48
4	P12814	ACTN1_HUMAN	ACTN1	Alpha-actinin-1	0,61
5	P61160	ARP2_HUMAN	ACTR2	Actin-related protein 2	0,96
6	P61158	ARP3_HUMAN	ACTR3	Actin-related protein 3	0,64
7	Q09666	AHMK_HUMAN	AHNAK	Neuroblast differentiation-associated protein AHNAK	1,38
8	P04075	ALDOA_HUMAN	ALDOA	Fructose-bisphosphate aldolase A	1,03
9	P04083	ANXA1_HUMAN	ANXA1	Annexin A1	0,86
10	P05095	ANX11_HUMAN	ANXA11	Annexin A11	1,34
11	A6NMY6	AXA2L_HUMAN	ANXA2P2	Putative annexin A2-like protein	1,40
12	P08758	ANXA5_HUMAN	ANXA5	Annexin A5	0,82
13	Q95782	AP2A1_HUMAN	AP2A1	AP-2 complex subunit alpha-1	1,28
14	P63010	AP2B1_HUMAN	AP2B1	AP-2 complex subunit beta	1,10
15	P02649	APOE_HUMAN	APOE	Apolipoprotein E	1,48
16	P61204	ARF3_HUMAN	ARF3	ADP-ribosylation factor 3	0,87
17	O15143	ARC1B_HUMAN	ARPC1B	Actin-related protein 2/3 complex subunit 1B	0,68
18	O15144	ARPC2_HUMAN	ARPC2	Actin-related protein 2/3 complex subunit 2	0,52
19	O15145	ARPC3_HUMAN	ARPC3	Actin-related protein 2/3 complex subunit 3	0,54
20	P59998	ARPC4_HUMAN	ARPC4	Actin-related protein 2/3 complex subunit 4	0,56
21	O15511	ARPC5_HUMAN	ARPC5	Actin-related protein 2/3 complex subunit 5	0,61
22	P05023	AT1A1_HUMAN	ATP1A1	Sodium/potassium-transporting ATPase subunit alpha-1	1,87
23	P25705	ATPA_HUMAN	ATP5A1	ATP synthase subunit alpha, mitochondrial	1,79
24	P06576	ATPB_HUMAN	ATP5B	ATP synthase subunit beta, mitochondrial	1,79
25	P51572	BAP31_HUMAN	BCAP31	B-cell receptor-associated protein 31	1,68
26	Q01518	CAP1_HUMAN	CAP1	Adenylyl cyclase-associated protein 1	0,74
27	P52907	CAZA1_HUMAN	CAPZA1	F-actin-capping protein subunit alpha-1	0,96
28	P47756	CAPZB_HUMAN	CAPZB	F-actin-capping protein subunit beta	0,60
29	P16070	CD44_HUMAN	CD44	CD44 antigen	1,03
30	P23528	COF1_HUMAN	CFL1	Cofilin-1	0,38
31	Q9NX63	CHCH3_HUMAN	CHCHD3	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3	1,02
32	O00299	CLIC1_HUMAN	CLIC1	Chloride intracellular channel protein 1	0,81
33	Q00610	CLH1_HUMAN	CLTC	Clathrin heavy chain 1	1,00
34	P31146	COR1A_HUMAN	CORO1A	Coronin-1A	0,42
35	Q9BR76	COR1B_HUMAN	CORO1B	Coronin-1B	0,35
36	Q9ULV4	COR1C_HUMAN	CORO1C	Coronin-1C	0,43
37	O75390	CISY_HUMAN	CS	Citrate synthase, mitochondrial	1,05
38	P21291	CSRP1_HUMAN	CSRP1	Cysteine and glycine-rich protein 1	0,69
39	P25774	CATS_HUMAN	CTSS	Cathepsin S	1,29
40	P04839	CY24B_HUMAN	CYBB	Cytochrome b-245 heavy chain	1,86
41	Q7L576	CYFP1_HUMAN	CYFIP1	Cytoplasmic FMR1-interacting protein 1	0,96
42	Q02318	CP27A_HUMAN	CYP27A1	Sterol 26-hydroxylase, mitochondrial	1,72
43	P39656	OST48_HUMAN	DDOST	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	3,46
44	Q92841	DDX17_HUMAN	DDX17	Probable ATP-dependent RNA helicase DDX17	0,77
45	O00571	DDX3X_HUMAN	DDX3X	ATP-dependent RNA helicase DDX3X	1,34
46	P17844	DDX5_HUMAN	DDX5	Probable ATP-dependent RNA helicase DDX5	0,83
47	Q16698	DECR_HUMAN	DECR1	2,4-dienoyl-CoA reductase, mitochondrial	0,97
48	Q08211	DHX9_HUMAN	DHX9	ATP-dependent RNA helicase A	0,87
49	O75937	DNJC8_HUMAN	DNAJC8	DnaJ homolog subfamily C member 8	0,94
50	P50570	DYN2_HUMAN	DNM2	Dynamamin-2	0,88
51	Q14204	DYHC1_HUMAN	DYNC1H1	Cytoplasmic dynein 1 heavy chain 1	1,12
52	P68104	EF1A1_HUMAN	EEF1A1	Elongation factor 1-alpha 1	0,99
53	P13639	EF2_HUMAN	EEF2	Elongation factor 2	0,92
54	Q96C19	EFHD2_HUMAN	EFHD2	EF-hand domain-containing protein D2	0,19
55	Q9H223	EHD4_HUMAN	EHD4	EH domain-containing protein 4	1,06
56	P06733	ENOA_HUMAN	ENO1	Alpha-enolase	0,76
57	Q9UI08	EVL_HUMAN	EVL	Ena/VASP-like protein	0,29
58	P15311	EZRI_HUMAN	EZR	Ezrin	1,07
59	P09467	F16P1_HUMAN	FBP1	Fructose-1,6-bisphosphatase 1	1,28
60	Q86UX7	URP2_HUMAN	FERMT3	Fermitin family homolog 3	1,08
61	Q14314	FGL2_HUMAN	FGL2	Fibroleukin	2,34
62	P21333	FLNA_HUMAN	FLNA	Filamin-A	0,65
63	P35637	FUS_HUMAN	FUS	RNA-binding protein FUS	0,75
64	P11413	G6PD_HUMAN	G6PD	Glucose-6-phosphate 1-dehydrogenase	0,94
65	Q99988	GDF15_HUMAN	GDF15	Growth/differentiation factor 15	1,61
66	Q9H4G4	GAPR1_HUMAN	GLIPR2	Golgi-associated plant pathogenesis-related protein 1	1,09

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67	Q8NBJ5	GT251_HUMAN	GLT25D1	Procollagen galactosyltransferase 1	1,83
68	P04899	GNAI2_HUMAN	GNAI2	Guanine nucleotide-binding protein G	1,19
69	P06744	G6PI_HUMAN	GPI	Glucose-6-phosphate isomerase	0,79
70	P06396	GELS_HUMAN	GSN	Gelsolin	1,21
71	O75367	H2AY_HUMAN	H2AFY	Core histone macro-H2A.1	0,95
72	P40939	ECHA_HUMAN	HADHA	Trifunctional enzyme subunit alpha, mitochondrial	2,20
73	P55084	ECHB_HUMAN	HADHB	Trifunctional enzyme subunit beta, mitochondrial	1,98
74	P52790	HXK3_HUMAN	HK3	Hexokinase-3	0,95
75	P09651	ROA1_HUMAN	HNRNPA1	Heterogeneous nuclear ribonucleoprotein A1	0,79
76	P51991	ROA3_HUMAN	HNRNPA3	Heterogeneous nuclear ribonucleoprotein A3	0,74
77	P07910	HNRPC_HUMAN	HNRNPC	Heterogeneous nuclear ribonucleoproteins C1/C2	1,00
78	Q14103	HNRPD_HUMAN	HNRNPD	Heterogeneous nuclear ribonucleoprotein D0	0,81
79	P31943	HNRH1_HUMAN	HNRNPH1	Heterogeneous nuclear ribonucleoprotein H	0,76
80	P61978	HNRPK_HUMAN	HNRNPK	Heterogeneous nuclear ribonucleoprotein K	0,72
81	P14866	HNRPL_HUMAN	HNRNPL	Heterogeneous nuclear ribonucleoprotein L	0,75
82	P52272	HNRPM_HUMAN	HNRNPM	Heterogeneous nuclear ribonucleoprotein M	0,70
83	Q00839	HNRPU_HUMAN	HNRNPU	Heterogeneous nuclear ribonucleoprotein U	0,93
84	Q1KMD3	HNRL2_HUMAN	HNRNPUL2	Heterogeneous nuclear ribonucleoprotein U-like protein 2	0,78
85	Q53GQ0	DHB12_HUMAN	HSD17B12	Estradiol 17-beta-dehydrogenase 12	1,36
86	P51659	DHB4_HUMAN	HSD17B4	Peroxisomal multifunctional enzyme type 2	1,67
87	P07900	HS90A_HUMAN	HSP90AA1	Heat shock protein HSP 90-alpha	0,91
88	P08238	HS90B_HUMAN	HSP90AB1	Heat shock protein HSP 90-beta	0,91
89	P14625	ENPL_HUMAN	HSP90B1	Endoplasmin	0,92
90	P11021	GRP78_HUMAN	HSPA5	78 kDa glucose-regulated protein	1,56
91	P11142	HSP7C_HUMAN	HSPA8	Heat shock cognate 71 kDa protein	1,05
92	P38646	GRP75_HUMAN	HSPA9	Stress-70 protein, mitochondrial	1,91
93	P10809	CH60_HUMAN	HSPD1	60 kDa heat shock protein, mitochondrial	1,14
94	Q92743	HTRA1_HUMAN	HTRA1	Serine protease HTRA1	1,92
95	Q12905	ILF2_HUMAN	ILF2	Interleukin enhancer-binding factor 2	1,00
96	Q16891	IMMT_HUMAN	IMMT	Mitochondrial inner membrane protein	1,19
97	P46940	IQGA1_HUMAN	IQGAP1	Ras GTPase-activating-like protein IQGAP1	1,75
98	Q96CN7	ISOC1_HUMAN	ISOC1	Isochorismatase domain-containing protein 1	1,06
99	P20702	ITAX_HUMAN	ITGAX	Integrin alpha-X	1,24
100	P05107	ITB2_HUMAN	ITGB2	Integrin beta-2	1,17
101	Q13303	KCAB2_HUMAN	KCNAB2	Voltage-gated potassium channel subunit beta-2	0,98
102	Q92945	FUBP2_HUMAN	KHSRP	Far upstream element-binding protein 2	0,72
103	P83111	LACTB_HUMAN	LACTB	Serine beta-lactamase-like protein LACTB, mitochondrial	3,01
104	Q14847	LASP1_HUMAN	LASP1	LIM and SH3 domain protein 1	0,49
105	P13796	PLSL_HUMAN	LCP1	Plastin-2	0,62
106	P00338	LDHA_HUMAN	LDHA	L-lactate dehydrogenase A chain	0,68
107	P17931	LEG3_HUMAN	LGALS3	Galectin-3	0,92
108	O00182	LEG9_HUMAN	LGALS9	Galectin-9	1,02
109	P02545	LMNA_HUMAN	LMNA	Prelamin-A/C [Cleaved into: Lamin-A/C]	0,90
110	Q03252	LMNB2_HUMAN	LMNB2	Lamin-B2	0,95
111	P06858	LIPL_HUMAN	LPL	Lipoprotein lipase	1,13
112	P33241	LSP1_HUMAN	LSP1	Lymphocyte-specific protein 1	0,20
113	P09960	LKHA4_HUMAN	LTA4H	Leukotriene A-4 hydrolase	0,83
114	P43243	MATR3_HUMAN	MATR3	Matrin-3	0,82
115	P40926	MDHM_HUMAN	MDH2	Malate dehydrogenase, mitochondrial	1,03
116	P41218	MNDA_HUMAN	MNDA	Myeloid cell nuclear differentiation antigen	1,94
117	P26038	MOES_HUMAN	MSN	Moesin	0,94
118	Q14764	MVP_HUMAN	MVP	Major vault protein	1,32
119	Q96S97	MYADM_HUMAN	MYADM	Myeloid-associated differentiation marker	0,80
120	P35579	MYH9_HUMAN	MYH9	Myosin-9	0,88
121	P60660	MYL6_HUMAN	MYL6	Myosin light polypeptide 6	0,68
122	Q12965	MYO1E_HUMAN	MYO1E	Unconventional myosin-1e	0,43
123	O00160	MYO1F_HUMAN	MYO1F	Unconventional myosin-1f	0,53
124	Q9NZM1	MYOF_HUMAN	MYOF	Myoferlin	2,51
125	Q15233	NONO_HUMAN	NONO	Non-POU domain-containing octamer-binding protein	0,67
126	P06748	NPM_HUMAN	NPM1	Nucleophosmin	2,02
127	Q15365	PCBP1_HUMAN	PCBP1	Poly(rC)-binding protein 1	1,22
128	Q15366	PCBP2_HUMAN	PCBP2	Poly(rC)-binding protein 2	2,75
129	Q8WUM4	PDC6I_HUMAN	PDCD6IP	Programmed cell death 6-interacting protein	1,76
130	P30101	PDIA3_HUMAN	PDIA3	Protein disulfide-isomerase A3	1,45
131	P52209	6PGD_HUMAN	PGD	6-phosphogluconate dehydrogenase, decarboxylating	0,94
132	P00558	PGK1_HUMAN	PGK1	Phosphoglycerate kinase 1	0,71
133	P35232	PHB_HUMAN	PHB	Prohibitin	1,46
134	Q99623	PHB2_HUMAN	PHB2	Prohibitin-2	1,56
135	P62136	PP1A_HUMAN	PPP1CA	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	0,61

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136	Q6NYC8	PPR18_HUMAN	PPP1R18	Phostensin	0,24
137	Q06830	PRDX1_HUMAN	PRDX1	Peroxioredoxin-1	0,97
138	P78527	PRKDC_HUMAN	PRKDC	DNA-dependent protein kinase catalytic subunit	0,82
139	P26599	PTBP1_HUMAN	PTBP1	Polypyrimidine tract-binding protein 1	0,73
140	P29350	PTN6_HUMAN	PTPN6	Tyrosine-protein phosphatase non-receptor type 6	1,30
141	P61026	RAB10_HUMAN	RAB10	Ras-related protein Rab-10	1,14
142	P51148	RAB5C_HUMAN	RAB5C	Ras-related protein Rab-5C	1,08
143	P51149	RAB7A_HUMAN	RAB7A	Ras-related protein Rab-7a	0,91
144	P61006	RAB8A_HUMAN	RAB8A	Ras-related protein Rab-8A	1,02
145	Q92930	RAB8B_HUMAN	RAB8B	Ras-related protein Rab-8B	1,08
146	P63000	RAC1_HUMAN	RAC1	Ras-related C3 botulinum toxin substrate 1	0,89
147	Q9UJMK9	RALY_HUMAN	RALY	RNA-binding protein Raly	1,12
148	P62826	RAN_HUMAN	RAN	GTP-binding nuclear protein Ran	0,72
149	P38159	RBMX_HUMAN	RBMX	RNA-binding motif protein, X chromosome	0,80
150	P84095	RHOG_HUMAN	RHOG	Rho-related GTP-binding protein RhoG	1,00
151	P13489	RINI_HUMAN	RNH1	Ribonuclease inhibitor	0,96
152	P62913	RL11_HUMAN	RPL11	60S ribosomal protein L11	1,42
153	P26373	RL13_HUMAN	RPL13	60S ribosomal protein L13	1,34
154	P35268	RL22_HUMAN	RPL22	60S ribosomal protein L22	0,61
155	P61254	RL26_HUMAN	RPL26	60S ribosomal protein L26	1,30
156	P62888	RL30_HUMAN	RPL30	60S ribosomal protein L30	0,94
157	Q02878	RL6_HUMAN	RPL6	60S ribosomal protein L6	1,39
158	P62917	RL8_HUMAN	RPL8	60S ribosomal protein L8	0,94
159	P05388	RLA0_HUMAN	RPLP0	60S acidic ribosomal protein P0	2,07
160	P04843	RPN1_HUMAN	RPN1	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	2,77
161	P62277	RS13_HUMAN	RPS13	40S ribosomal protein S13	1,36
162	P62244	RS15A_HUMAN	RPS15A	40S ribosomal protein S15a	1,54
163	P62269	RS18_HUMAN	RPS18	40S ribosomal protein S18	1,17
164	P39019	RS19_HUMAN	RPS19	40S ribosomal protein S19	1,50
165	P23396	RS3_HUMAN	RPS3	40S ribosomal protein S3	1,43
166	P62701	RS4X_HUMAN	RPS4X	40S ribosomal protein S4, X isoform	1,42
167	Q9NQC3	RTN4_HUMAN	RTN4	Reticulon-4	1,77
168	Q9Y3Z3	SAMH1_HUMAN	SAMHD1	SAM domain and HD domain-containing protein 1	0,99
169	O00560	SDCB1_HUMAN	SDCBP	Syntenin-1	1,39
170	Q9NVA2	SEP11_HUMAN	SEPT11	Septin-11	0,75
171	Q15019	SEPT2_HUMAN	SEPT2	Septin-2	1,00
172	Q16181	SEPT7_HUMAN	SEPT7	Septin-7	0,81
173	Q9UHD8	SEPT9_HUMAN	SEPT9	Septin-9	0,81
174	Q15393	SF3B3_HUMAN	SF3B3	Splicing factor 3B subunit 3	0,75
175	P23246	SFPQ_HUMAN	SFPQ	Splicing factor, proline- and glutamine-rich	0,65
176	Q9BWM7	SFXN3_HUMAN	SFXN3	Sideroflexin-3	1,15
177	Q00325	MPCP_HUMAN	SLC25A3	Phosphate carrier protein, mitochondrial	1,48
178	P05141	ADT2_HUMAN	SLC25A5	ADP/ATP translocase 2	1,34
179	P12236	ADT3_HUMAN	SLC25A6	ADP/ATP translocase 3	1,33
180	Q7KZF4	SND1_HUMAN	SND1	Staphylococcal nuclease domain-containing protein 1	1,15
181	Q9Y6N5	SQRD_HUMAN	SQRDL	Sulfide:quinone oxidoreductase, mitochondrial	1,25
182	P12931	SRC_HUMAN	SRC	Proto-oncogene tyrosine-protein kinase Src	1,49
183	O60506	HNRPQ_HUMAN	SYNCRIP	Heterogeneous nuclear ribonucleoprotein Q	0,93
184	P37837	TALDO_HUMAN	TALDO1	Transaldolase	1,06
185	P29401	TKT_HUMAN	TKT	Transketolase	0,87
186	Q9Y490	TLN1_HUMAN	TLN1	Talin-1	0,90
187	P57088	TMM33_HUMAN	TMEM33	Transmembrane protein 33	1,41
188	P60174	TPI1_HUMAN	TPI1	Triosephosphate isomerase	0,59
189	Q13263	TIF1B_HUMAN	TRIM28	Transcription intermediary factor 1-beta	0,70
190	Q9P0L0	VAPA_HUMAN	VAPA	Vesicle-associated membrane protein-associated protein A	1,65
191	P50552	VASP_HUMAN	VASP	Vasodilator-stimulated phosphoprotein	0,32
192	Q99536	VAT1_HUMAN	VAT1	Synaptic vesicle membrane protein VAT-1 homolog	1,26
193	P18206	VINC_HUMAN	VCL	Vinculin	0,66
194	P55072	TERA_HUMAN	VCP	Transitional endoplasmic reticulum ATPase	0,91
195	P21796	VDAC1_HUMAN	VDAC1	Voltage-dependent anion-selective channel protein 1	0,99
196	P45880	VDAC2_HUMAN	VDAC2	Voltage-dependent anion-selective channel protein 2	1,38
197	P08670	VIME_HUMAN	VIM	Vimentin	1,05
198	O75083	WDR1_HUMAN	WDR1	WD repeat-containing protein 1	0,42
199	P13010	XRCC5_HUMAN	XRCC5	X-ray repair cross-complementing protein 5	0,73
200	P12956	XRCC6_HUMAN	XRCC6	X-ray repair cross-complementing protein 6	0,81
201	P61981	1433G_HUMAN	YWHAG	14-3-3 protein gamma	0,70
202	P63104	1433Z_HUMAN	YWHAZ	14-3-3 protein zeta/delta	0,68
203	Q15942	ZYX_HUMAN	ZYX	Zyxin	0,53