

Table SI.

A, Proteins identified exclusively from the control group

Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q8WWQ0, Q9NSI6	PH-interacting protein	PHIP	156.65	2179600000
P11388	DNA topoisomerase 2-alpha	TOP2A	118.62	1924500000
Q9Y2W1	Thyroid hormone receptor-associated protein 3	THRAP3	115.1	7020100000
Q9NYF8	Bcl-2-associated transcription factor 1	BCLAF1	102.19	4169100000
Q99986	Serine/threonine-protein kinase VRK1	VRK1	77.36	1866300000
Q8WWM7	Ataxin-2-like protein	ATXN2L	73.128	1447600000
Q16629	Serine/arginine-rich splicing factor 7	SRSF7	70.114	6352700000
O00422	Histone deacetylase complex subunit SAP18	SAP18	63.479	1910600000
Q6PL18, Q9ULI0	ATPase family AAA domain-containing protein 2	ATAD2	60.778	619150000
Q9H307	Pinin	PNN	60.763	2959400000
P51149	Ras-related protein Rab-7a	RAB7A	58.553	590460000
P62263	40S ribosomal protein S14	RPS14	58.219	1198600000
Q13619	Cullin-4A	CUL4A	58.188	495460000
Q7Z7K6	Centromere protein V	CENPV	55.289	1611800000
Q15287	RNA-binding protein with serine-rich domain 1	RNPS1	50.473	1370500000
Q14669	E3 ubiquitin-protein ligase TRIP12	TRIP12	48.589	220640000
Q13242	Serine/arginine-rich splicing factor 9	SRSF9	44.497	2561600000
P61326, Q96A72	Protein mago nashi homolog; Protein mago nashi homolog 2	MAGOH; MAGOHB	40.76	1544600000
P46100	Transcriptional regulator ATRX	ATRX	37.771	233950000
Q9UIG0	Tyrosine-protein kinase BAZ1B	BAZ1B	36.177	341930000
Q13595	Transformer-2 protein homolog alpha	TRA2A	30.223	449990000
Q9NUJ1	Mycophenolic acid acyl-glucuronide esterase, mitochondrial	ABHD10	30.177	277540000
P51114, P51116, Q06787	Fragile X mental retardation syndrome-related protein 1; Fragile X mental retardation syndrome-related protein 2	FXR1; FXR2	30.023	278210000
Q53HL2	Borealin	CDCA8	28.556	328590000
O43809	Cleavage and polyadenylation specificity factor subunit 5	NUDT21	28.08	297170000
Q9BY77	Polymerase delta-interacting protein 3	POLDIP3	23.351	449530000
P11586	C-1-tetrahydrofolate synthase, cytoplasmic; Methylenetetrahydrofolate dehydrogenase; Methylenetetrahydrofolate cyclohydrolase; Formyltetrahydrofolate synthetase; C-1-tetrahydrofolate synthase, cytoplasmic, N-terminally processed	MTHFD1	23.249	291230000
P23588	Eukaryotic translation initiation factor 4B	EIF4B	22.53	290530000
Q9NQS7	Inner centromere protein	INCENP	21.428	130700000
O75494	Serine/arginine-rich splicing factor 10	SRSF10	21.264	252810000
O95251	Histone acetyltransferase KAT7	KAT7	21.098	322620000
Q96PK6	RNA-binding protein 14	RBM14	21.072	323240000
P78417	Glutathione S-transferase omega-1	GSTO1	20.076	298530000
Q15637	Splicing factor 1	SF1	19.964	203050000
Q9Y3X0	Coiled-coil domain-containing protein 9	CCDC9	19.556	200580000
P37802	Transgelin-2	TAGLN2	18.717	109840000
P25398	40S ribosomal protein S12	RPS12	18.698	890530000
P05204, Q15651	Non-histone chromosomal protein HMG-17; High mobility group nucleosome-binding domain-containing protein 3	HMGN2; HMGN3	18.451	3609300000
P61163	Alpha-centractin	ACTR1A	17.541	172770000
Q96GD4	Aurora kinase B	AURKB	16.908	131280000
P30837	Aldehyde dehydrogenase X, mitochondrial	ALDH1B1	16.448	77310000
P13798	Acylamino-acid-releasing enzyme	APEH	16.416	122950000

Table SI. Continued.

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Protein ID	Protein names	Gene names	Score	LFQ intensity C
P10155	60 kDa SS-A/Ro ribonucleoprotein	TROVE2	15.776	89383000
Q8WYH8	Inhibitor of growth protein 5	ING5	15.367	72410000
P49916	DNA ligase 3	LIG3	14.973	39653000
P48444	Coatomer subunit delta	ARCN1	14.838	224280000
Q9HAF1	Chromatin modification-related protein MEAF6	MEAF6	14.693	139950000
Q71RC2	La-related protein 4	LARP4	14.351	118210000
Q9BZE1	39S ribosomal protein L37, mitochondrial	MRPL37	14.229	111100000
O75489	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUFS3	14.051	55568000
Q8NAV1	Pre-mRNA-splicing factor 38A	PRPF38A	13.91	116640000
P52926	High mobility group protein HMGI-C	HMGGA2	13.781	324720000
Q02880	DNA topoisomerase 2-beta	TOP2B	13.776	125810000
P26232	Catenin alpha-2	CTNNA2	13.73	38074000
Q8N392	Rho GTPase-activating protein 18	ARHGAP18	13.634	213180000
O15145	Actin-related protein 2/3 complex subunit 3	ARPC3	13.633	66311000
Q15102	Platelet-activating factor acetylhydrolase IB subunit gamma	PAFAH1B3	13.607	71892000
P29218	Inositol monophosphatase 1	IMPA1	13.586	172670000
P17480	Nucleolar transcription factor 1	UBTF	13.568	189130000
Q9Y6M1	Insulin-like growth factor 2 mRNA-binding protein 2	IGF2BP2	13.479	50807000
Q5QJE6	Deoxynucleotidyltransferase terminal-interacting protein 2	DNTTIP2	13.415	163720000
Q8TDL5	BPI fold-containing family B member 1	BPIFB1	13.343	74909000
Q16543	Hsp90 co-chaperone Cdc37;Hsp90 co-chaperone Cdc37, N-terminally processed	CDC37	13.304	337960000
O96008	Mitochondrial import receptor subunit TOM40 homolog	TOMM40	13.213	117600000
P45973	Chromobox protein homolog 5	CBX5	12.977	354170000
P43490	Nicotinamide phosphoribosyltransferase	NAMPT	12.937	99711000
O95696	Bromodomain-containing protein 1	BRD1	12.585	115130000
P26447	Protein S100-A4	S100A4	12.48	506870000
Q2TAY7	WD40 repeat-containing protein SMU1;WD40 repeat-containing protein SMU1, N-terminally processed	SMU1	12.452	145140000
Q9Y3B4	Splicing factor 3B subunit 6	SF3B6	12.371	126970000
P35270	Sepiapterin reductase	SPR	12.337	50928000
Q07065	Cytoskeleton-associated protein 4	CKAP4	11.796	119220000
Q00059	Transcription factor A, mitochondrial	TFAM	11.783	87645000
P43487	Ran-specific GTPase-activating protein	RANBP1	11.781	208950000
O43684	Mitotic checkpoint protein BUB3	BUB3	11.76	140230000
P30520	Adenylosuccinate synthetase isozyme 2	ADSS	11.737	50604000
Q9NVJ2, Q96BM9	ADP-ribosylation factor-like protein 8B; ADP-ribosylation factor-like protein 8A	ARL8B; ARL8A	11.7	40523000
Q15020	Squamous cell carcinoma antigen recognized by T-cells 3	SART3	11.664	30677000
P49448, P00367	Glutamate dehydrogenase 2, mitochondrial; Glutamate dehydrogenase 1, mitochondrial	GLUD2; GLUD1	11.64	110260000
P11172	Uridine 5-monophosphate synthase;Orotate phosphoribosyltransferase;Orotidine 5-phosphate decarboxylase	UMPS	11.632	112260000
P52179	Myomesin-1	MYOM1	11.591	232660000
P47914	60S ribosomal protein L29	RPL29	10.969	1304000000
Q13620	Cullin-4B	CUL4B	10.888	23354000

Table SI. Continued.

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Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q9Y333	U6 snRNA-associated Sm-like protein LSM2	LSM2	10.859	56212000
Q9H1E3	Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1	NUCKS1	10.837	125420000
P55735	Protein SEC13 homolog	SEC13	10.805	59831000
P00568	Adenylate kinase isoenzyme 1	AK1	10.759	34120000
P30040	Endoplasmic reticulum resident protein 29	ERP29	10.657	63951000
Q04837	Single-stranded DNA-binding protein, mitochondrial	SSBP1	10.444	91880000
Q96RS6	NudC domain-containing protein 1	NUDCD1	10.394	45657000
Q9UGN5	Poly [ADP-ribose] polymerase 2	PARP2	10.167	28171000
P46379	Large proline-rich protein BAG6	BAG6	9.9989	18006000
Q7L2E3	Putative ATP-dependent RNA helicase DHX30	DHX30	9.9317	13060000
Q9H4A5, Q9H4A6	Golgi phosphoprotein 3-like; Golgi phosphoprotein 3	GOLPH3L; GOLPH3	9.6169	22382000
Q15942	Zyxin	ZYX	9.3533	48541000
P54819	Adenylate kinase 2, mitochondrial; Adenylate kinase 2, mitochondrial, N-terminally processed	AK2	9.2089	12996000
Q9Y6Y8	SEC23-interacting protein	SEC23IP	8.9612	151980000
Q15293	Reticulocalbin-1	RCN1	8.8657	123970000
Q9UNS2	COP9 signalosome complex subunit 3	COPS3	8.7979	38395000
O95299	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	NDUFA10	8.7207	71426000
P13995	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial; NAD-dependent methylenetetrahydrofolate dehydrogenase; Methenyltetrahydrofolate cyclohydrolase	MTHFD2	8.6341	84786000
Q96TA1	Niban-like protein 1	FAM129B	8.6173	21532000
Q9H2U2	Inorganic pyrophosphatase 2, mitochondrial	PPA2	8.5872	37053000
Q6PKG0	La-related protein 1	LARP1	8.5723	20312000
P21283	V-type proton ATPase subunit C 1	ATP6V1C1	8.518	27809000
P08397	Porphobilinogen deaminase	HMBS	8.3741	12306000
Q9Y2S7	Polymerase delta-interacting protein 2	POLDIP2	8.3482	59337000
Q9Y4P3	Transducin beta-like protein 2	TBL2	8.3189	85523000
P35659	Protein DEK	DEK	8.2755	133040000
O60306	Intron-binding protein aquarius	AQR	8.1658	28172000
Q9BYD3	39S ribosomal protein L4, mitochondrial	MRPL4	7.9664	42378000
Q14847	LIM and SH3 domain protein 1	LASP1	7.9618	97316000
P55036	26S proteasome non-ATPase regulatory subunit 4	PSMD4	7.9147	79363000
O14773	Tripeptidyl-peptidase 1	TPP1	7.7652	40094000
P13164, Q01629, Q01628	Interferon-induced transmembrane protein 1; Interferon-induced transmembrane protein 2; Interferon-induced transmembrane protein 3	IFITM1; IFITM2; IFITM3	7.6686	117750000
P02647	Apolipoprotein A-I;Proapolipoprotein A-I; Truncated apolipoprotein A-I	APOA1	7.6336	52862000
Q86XP3	ATP-dependent RNA helicase DDX42	DDX42	7.6285	83576000
Q9C005	Protein dpy-30 homolog	DPY30	7.5805	14926000
P31942	Heterogeneous nuclear ribonucleoprotein H3	HNRNPH3	7.5556	28312000
Q9H6S3	Epidermal growth factor receptor kinase substrate 8-like protein 2	EPS8L2	7.4977	23413000
P55081	Microfibrillar-associated protein 1	MFAP1	7.4014	60286000
Q99590	Protein SCAF11	SCAF11	7.3855	62433000
Q9Y4R8	Telomere length regulation protein TEL2 homolog	TELO2	7.3402	10478000
Q7Z5K2	Wings apart-like protein homolog	WAPAL	7.3234	8771700

Table SI. Continued.

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O75821	Eukaryotic translation initiation factor 3 subunit G	EIF3G	7.3089	97229000
Q13442	28 kDa heat- and acid-stable phosphoprotein	PDAP1	7.302	79205000
Q9HAV4	Exportin-5	XPO5	7.2597	14824000
P09669	Cytochrome c oxidase subunit 6C	COX6C	7.2416	66372000
Q12797	Aspartyl/asparaginyl beta-hydroxylase	ASPH	7.2301	39834000
Q9UHY7	Enolase-phosphatase E1	ENOPH1	7.1334	34938000
O43765	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	SGTA	7.0495	38895000
O43660	Pleiotropic regulator 1	PLRG1	7.037	99532000
Q99584	Protein S100-A13	S100A13	7.024	18476000
Q9Y3C6	Peptidyl-prolyl cis-trans isomerase-like 1	PPIL1	7.0114	105070000
Q15349, Q15418, P51812, Q9UK32	Ribosomal protein S6 kinase alpha-2; Ribosomal protein S6 kinase alpha-1; Ribosomal protein S6 kinase alpha-3; Ribosomal protein S6 kinase alpha-6	RPS6KA2; RPS6KA1; RPS6KA3; RPS6KA6	7.0006	7906700
P49189	4-trimethylaminobutyraldehyde dehydrogenase	ALDH9A1	6.9924	54541000
O00425	Insulin-like growth factor 2 mRNA-binding protein 3	IGF2BP3	6.986	40717000
Q14651	Plastin-1	PLS1	6.9606	18415000
P62308, A8MWD9	Small nuclear ribonucleoprotein G; Putative small nuclear ribonucleoprotein G-like protein 15	SNRPG; SNRPGP15	6.9061	21468000
Q52LW3	Rho GTPase-activating protein 29	ARHGAP29	6.8871	42140000
P22087	rRNA 2-O-methyltransferase fibrillar	FBL	6.8636	154890000
A0MZ66	Shootin-1	KIAA1598	6.8473	59029000
Q9NX40	OCIA domain-containing protein 1	OCIAD1	6.8221	25480000
Q9UGM3	Deleted in malignant brain tumors 1 protein	DMBT1	6.819	136210000
P60891, P21108, P11908	Ribose-phosphate pyrophosphokinase 1; Ribose-phosphate pyrophosphokinase 3; Ribose-phosphate pyrophosphokinase 2	PRPS1; PRPS1L1; PRPS2	6.8094	163200000
Q9Y3E5	Peptidyl-tRNA hydrolase 2, mitochondrial	PTRH2	6.7889	25068000
Q71UM5, P42677	40S ribosomal protein S27-like; 40S ribosomal protein S27	RPS27L; RPS27	6.7282	211750000
O00267	Transcription elongation factor SPT5	SUPT5H	6.6906	38420000
O75112	LIM domain-binding protein 3	LDB3	6.6605	47875000
Q7Z417	Nuclear fragile X mental retardation-interacting protein 2	NUFIP2	6.638	131740000
Q14728	Major facilitator superfamily domain-containing protein 10	MFSD10	6.5781	9428700
Q96FW1	Ubiquitin thioesterase OTUB1	OTUB1	6.5594	38124000
O95793	Double-stranded RNA-binding protein Staufen homolog 1	STAU1	6.5297	14136000
O00479	High mobility group nucleosome-binding domain-containing protein 4	HMGN4	6.4943	251720000
Q99735	Microsomal glutathione S-transferase 2	MGST2	6.4607	61264000
P0DPI3, A0A0U1RR11, A0A0U1RR16	Centromere protein V-like protein 2	CENPVL2	6.4565	274710000
Q9UKD2	mRNA turnover protein 4 homolog	MRT04	6.4349	21955000
Q15435	Protein phosphatase 1 regulatory subunit 7	PPP1R7	6.4256	22657000
P22223	Cadherin-3	CDH3	6.3783	41075000
Q16401	26S proteasome non-ATPase regulatory subunit 5	PSMD5	6.3656	84213000
Q9BUQ8	Probable ATP-dependent RNA helicase DDX23	DDX23	6.3619	105800000
O15511	Actin-related protein 2/3 complex subunit 5	ARPC5	6.3492	69172000
Q14980	Nuclear mitotic apparatus protein 1	NUMA1	6.342	144390000
Q7RTY8	Transmembrane protease serine 7	TMPRSS7	6.3025	211200000

Table SI. Continued.

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Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q9BTC8, O94776, Q13330	Metastasis-associated protein MTA3; Metastasis-associated protein MTA2; Metastasis-associated protein MTA1	MTA3; MTA2; MTA1	6.2959	45245000
Q05519	Serine/arginine-rich splicing factor 11	SRSF11	6.2896	51065000
P30044	Peroxiredoxin-5, mitochondrial	PRDX5	6.2791	111720000
P62877	E3 ubiquitin-protein ligase RBX1; E3 ubiquitin-protein ligase RBX1, N-terminally processed	RBX1	6.2403	164030000
Q15056	Eukaryotic translation initiation factor 4H	EIF4H	6.178	88846000
P19823	Inter-alpha-trypsin inhibitor heavy chain H2	ITIH2	6.1716	56221000
Q9BWD1	Acetyl-CoA acetyltransferase, cytosolic	ACAT2	6.1564	153540000
P45378	Troponin T, fast skeletal muscle	TNNT3	6.1528	222250000
P49406	39S ribosomal protein L19, mitochondrial	MRPL19	6.1149	21944000
P49821	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUFV1	6.1062	55141000
P48735	Isocitrate dehydrogenase [NADP], mitochondrial	IDH2	6.1042	20525000
Q9C037	E3 ubiquitin-protein ligase TRIM4	TRIM4	6.1031	2722200000
O95671	N-acetylserotonin O-methyltransferase-like protein	ASMTL	6.0809	7807400
Q9UKM9	RNA-binding protein Raly	RALY	6.0511	86480000
Q9NZL9	Methionine adenosyltransferase 2 subunit beta	MAT2B	6.0503	84751000
P36543	V-type proton ATPase subunit E 1	ATP6V1E1	5.9641	23939000
P62273	40S ribosomal protein S29	RPS29	5.9512	119410000
Q8N8S7	Protein enabled homolog	ENAH	5.9397	22021000
P41227	N-alpha-acetyltransferase 10	NAA10	5.9265	160770000
Q9H773	dCTP pyrophosphatase 1	DCTPP1	5.9262	71081000
Q96SB4	SRSF protein kinase 1	SRPK1	5.9023	23563000
P51398	28S ribosomal protein S29, mitochondrial	DAP3	5.8812	102560000
Q8IYS1	Peptidase M20 domain-containing protein 2	PM20D2	5.8178	17083000
P48637	Glutathione synthetase	GSS	5.75	28537000
Q16878	Cysteine dioxygenase type 1	CDO1	5.7496	91100000
B, Proteins identified exclusively from the treatment group				
P06454	Prothymosin alpha; Prothymosin alpha, N-terminally processed; Thymosin alpha-1	PTMA	29.992	746080000
P12270	Nucleoprotein TPR	TPR	27.072	71567000
P13805, P45379	Troponin T, slow skeletal muscle; Troponin T, cardiac muscle	TNNT1; TNNT2	25.031	319550000
P00390	Glutathione reductase, mitochondrial	GSR	22.086	287920000
Q01650, Q9UM01, Q92536	Large neutral amino acids transporter small subunit 1	SLC7A5	21.929	250720000
P51659	Peroxisomal multifunctional enzyme type 2; (3R)-hydroxyacyl-CoA dehydrogenase; Enoyl-CoA hydratase 2	HSD17B4	20.509	240380000
P63208	S-phase kinase-associated protein 1	SKP1	18.997	374270000
P10599	Thioredoxin	TXN	17.698	394770000
O75396	Vesicle-trafficking protein SEC22b	SEC22B	15.014	127550000
P49589	Cysteine-tRNA ligase, cytoplasmic	CARS	14.541	68068000
O75400	Pre-mRNA-processing factor 40 homolog A	PRPF40A	14.24	468870000
Q92973	Transportin-1	TNPO1	14.014	250110000
P61224, A6NIZ1, P62834	Ras-related protein Rap-1b; Ras-related protein Rap-1b-like protein; Ras-related protein Rap-1A	RAP1B; RAP1A	13.55	140090000
Q13561	Dynactin subunit 2	DCTN2	13.387	129160000

Table SI. Continued.

B, Proteins identified exclusively from the treatment group				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q9H7D7	WD repeat-containing protein 26	WDR26	13.277	68161000
P13797	Plastin-3	PLS3	13.179	174640000
O95573, O60488	Long-chain-fatty-acid-CoA ligase 3; Long-chain-fatty-acid-CoA ligase 4	ACSL3; ACSL4	13.167	261590000
O95782, O94973	AP-2 complex subunit alpha-1; AP-2 complex subunit alpha-2	AP2A1; AP2A2	13.143	78940000
P61513	60S ribosomal protein L37a	RPL37A	13.13	627010000
Q08380	Galectin-3-binding protein	LGALS3BP	12.806	120740000
P50851	Lipopolysaccharide-responsive and beige-like anchor protein	LRBA	12.664	123910000
P67812, P0C7V7	Signal peptidase complex catalytic subunit SEC11A; Putative signal peptidase complex catalytic subunit SEC11B	SEC11A; SEC11B	12.579	12722000
Q86SG5, P31151	Protein S100-A7A; Protein S100-A7	S100A7A; S100A7	12.554	157300000
P00387	NADH-cytochrome b5 reductase 3; NADH-cytochrome b5 reductase 3 membrane-bound form; NADH-cytochrome b5 reductase 3 soluble form	CYB5R3	12.235	77401000
Q15125	3-beta-hydroxysteroid-Delta(8), Delta(7)-isomerase	EBP	12.22	178060000
P78330	Phosphoserine phosphatase	PSPH	12.205	261420000
P35580	Myosin-10	MYH10	12.177	47580000
P42285	Superkiller viralicidic activity 2-like 2	SKIV2L2	12.174	18014000
Q15149	Plectin	PLEC	12.118	45231000
P20073	Annexin A7	ANXA7	11.805	132300000
Q08188	Protein-glutamine gamma-glutamyltransferase E; Protein-glutamine gamma-glutamyltransferase E 50 kDa catalytic chain; Protein-glutamine gamma-glutamyltransferase E 27 kDa non-catalytic chain	TGM3	11.755	88032000
Q6IBS0	Twinfilin-2	TWF2	11.617	128710000
Q6Y1H2	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2	HACD2	11.537	101500000
P50416	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	11.462	127170000
Q15392	Delta(24)-sterol reductase	DHCR24	11.435	173260000
P22735	Protein-glutamine gamma-glutamyltransferase K	TGM1	11.244	108190000
Q96IX5	Up-regulated during skeletal muscle growth protein 5	USMG5	10.855	201500000
P63316	Troponin C, slow skeletal and cardiac muscles	TNNC1	10.559	2007600000
P43307	Translocon-associated protein subunit alpha	SSR1	9.9938	48527000
Q9P287	BRCA2 and CDKN1A-interacting protein	BCCIP	9.4148	181800000
Q12792	Twinfilin-1	TWF1	9.4022	69681000
Q8IWE2	Protein NOXP20	FAM114A1	9.3796	17449000
P53602	Diphosphomevalonate decarboxylase	MVD	9.2759	91290000
Q9UBS4	DnaJ homolog subfamily B member 11	DNAJB11	9.007	52390000
Q9BZZ5	Apoptosis inhibitor 5	API5	8.9218	72570000
Q9NUU7, Q9UMR2	ATP-dependent RNA helicase DDX19A; ATP-dependent RNA helicase DDX19B	DDX19A; DDX19B	8.8763	81349000
Q6PID8	Kelch domain-containing protein 10	KLHDC10	8.8357	211910000
P08574	Cytochrome c1, heme protein, mitochondrial	CYC1	8.1949	276130000
P26358	DNA (cytosine-5)-methyltransferase 1	DNMT1	8.1832	53083000
Q15555	Microtubule-associated protein RP/EB family member 2	MAPRE2	8.1481	33667000

Table SI. Continued.

B, Proteins identified exclusively from the treatment group

Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q92544	Transmembrane 9 superfamily member 4	TM9SF4	7.8007	41110000
Q9BU76	Multiple myeloma tumor-associated protein 2	MMTAG2	7.7483	44506000
Q13616	Cullin-1	CUL1	7.7307	37433000
O00139, Q99661	Kinesin-like protein KIF2A; Kinesin-like protein KIF2C	KIF2A; KIF2C	7.7242	9239300
Q14192	Four and a half LIM domains protein 2	FHL2	7.6913	80938000
Q9UJV9	Probable ATP-dependent RNA helicase DDX41	DDX41	7.6138	65413000
Q53H12	Acylglycerol kinase, mitochondrial	AGK	7.5084	47881000
Q9BSJ8	Extended synaptotagmin-1	ESYT1	7.4551	63537000
P05089	Arginase-1	ARG1	7.4522	27934000
Q6ZU65	Ubiquitin-2	UBN2	7.4261	1330200000
P67870	Casein kinase II subunit beta	CSNK2B	7.4005	206610000
P46926	Glucosamine-6-phosphate isomerase 1	GNPDA1	7.3128	34752000
Q9UNL2	Translocon-associated protein subunit gamma	SSR3	7.2825	129090000
Q9UBM7	7-dehydrocholesterol reductase	DHCR7	7.2774	96363000
Q9Y2Z0	Suppressor of G2 allele of SKP1 homolog	SUGT1	7.1814	54500000
O43324	Eukaryotic translation elongation factor 1 epsilon-1	EEF1E1	7.1617	35545000
Q8NF37	Lysophosphatidylcholine acyltransferase 1	LPCAT1	6.9776	14443000
Q969U6	F-box/WD repeat-containing protein 5	FBXW5	6.9484	87237000
Q02045	Myosin light chain 5	MYL5	6.9263	1405900000
Q9NWU5	39S ribosomal protein L22, mitochondrial	MRPL22	6.8631	71570000
P38606	V-type proton ATPase catalytic subunit A	ATP6V1A	6.7896	153380000
Q15005	Signal peptidase complex subunit 2	SPCS2	6.7438	90211000
Q93009	Ubiquitin carboxyl-terminal hydrolase 7	USP7	6.7343	36706000
P46976	Glycogenin-1	GYG1	6.727	36748000
Q92925	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 2	SMARCD2	6.7138	38458000
P02794	Ferritin heavy chain; Ferritin heavy chain, N-terminally processed	FTH1	6.6652	70323000
O60573	Eukaryotic translation initiation factor 4E type 2	EIF4E2	6.5895	49979000
P10321	HLA class I histocompatibility antigen, Cw-7 alpha chain	HLA-C	6.5693	309980000
Q99988	Growth/differentiation factor 15	GDF15	6.337	102800000
P21741	Midkine	MDK	6.333	55665000
P08962	CD63 antigen	CD63	6.2853	96240000
Q9H8S9, Q7L9L4	MOB kinase activator 1A; MOB kinase activator 1B	MOB1A; MOB1B	6.2728	62670000
Q00535, P06493, P24941, P11802, Q00526, Q00534, P50750, Q96Q40, O94921, Q07002, Q00536, Q00537, Q9NYV4, Q14004	Cyclin-dependent-like kinase 5; Cyclin-dependent kinase 1; Cyclin-dependent kinase 2; Cyclin-dependent kinase 4; Cyclin-dependent kinase 3; Cyclin-dependent kinase 6; Cyclin-dependent kinase 9; Cyclin-dependent kinase 15; Cyclin-dependent kinase 14; Cyclin-dependent kinase 18; Cyclin-dependent kinase 16; Cyclin-dependent kinase 17; Cyclin-dependent kinase 12; Cyclin-dependent kinase 13	CDK5; CDK1; CDK2; CDK4; CDK3; CDK6; CDK9; CDK15; CDK14; CDK18; CDK16; CDK17; CDK12; CDK13	6.2004	78072000
Q02218	2-oxoglutarate dehydrogenase, mitochondrial	OGDH	6.1691	34970000
O95399	Urotensin-2	UTS2	6.1257	2444600000
P48509	CD151 antigen	CD151	6.1135	174470000
Q8TCJ2	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit STT3B	STT3B	6.0897	12195000
Q15363	Transmembrane emp24 domain-containing protein 2	TMED2	6.0587	81670000
O75477	Erlin-1	ERLIN1	6.0509	5513600

Table SI. Continued.

B, Proteins identified exclusively from the treatment group				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
P14210	Hepatocyte growth factor;Hepatocyte growth factor alpha chain;Hepatocyte growth factor beta chain	HGF	6.0319	398190000
Q8N983	39S ribosomal protein L43, mitochondrial	MRPL43	6.0242	57328000
P62633	Cellular nucleic acid-binding protein	CNBP	5.9868	21415000
Q9Y6E0	Serine/threonine-protein kinase 24; Serine/threonine-protein kinase 24 36 kDa subunit; Serine/threonine-protein kinase 24 12 kDa subunit	STK24	5.9789	14991000
O43264	Centromere/kinetochore protein zw10 homolog	ZW10	5.969	21914000
Q14498	RNA-binding protein 39	RBM39	5.9305	19987000
P23229	Integrin alpha-6;Integrin alpha-6 heavy chain; Integrin alpha-6 light chain; Processed integrin alpha-6	ITGA6	5.9102	23590000
Q7L014	Probable ATP-dependent RNA helicase DDX46	DDX46	5.8982	39125000
O43854	EGF-like repeat and discoidin I-like domain-containing protein 3	EDIL3	5.8962	99629000
Q9HCY8	Protein S100-A14	S100A14	5.8779	58058000
O43598	2-deoxynucleoside 5-phosphate N-hydrolase 1	DNPH1	5.8753	14677000
Q15111, Q9UPR0	Inactive phospholipase C-like protein 1; Inactive phospholipase C-like protein 2	PLCL1;PLCL2	5.8721	386260000
P52815	39S ribosomal protein L12, mitochondrial	MRPL12	5.8683	139020000
Q8N1F7	Nuclear pore complex protein Nup93	NUP93	5.8567	79929000
Q8NHH1	Tubulin polyglutamylase TTLL11	TTLL11	5.8387	1007500000
C, Proteins identified from both the control and treatment groups				
P62805	Histone H4	HIST1H4A	101.43	1.8747E+11
Q16778, P33778, P23527, P06899, Q6DRA6, Q6DN03	Histone H2B type 2-E; Histone H2B type 1-B; Histone H2B type 1-O; Histone H2B type 1-J; Putative histone H2B type 2-D; Putative histone H2B type 2-C	HIST2H2BE; HIST1H2BB; HIST1H2BO; HIST1H2BJ; HIST2H2BD; HIST2H2BC	100.8	1.279E+11
P02768	Serum albumin	ALB	302.7	1.2107E+11
P20671	Histone H2A type 1-D	HIST1H2AD	71.479	1.2104E+11
P68431, Q16695, Q6NXT2	Histone H3.1; Histone H3.1t; Histone H3.3C	HIST1H3A; HIST3H3; H3F3C	96.179	1.0239E+11
P60709, Q6S8J3, A5A3E0, Q562R1, P0CG38, P0CG39, Q9BYX7	Actin, cytoplasmic 1; Actin, cytoplasmic 1, N-terminally processed	ACTB	219.8	91388000000
P16403	Histone H1.2	HIST1H1C	113.32	81953000000
P12882	Myosin-1	MYH1	323.31	63566000000
P68104, Q5VTE0	Elongation factor 1-alpha 1; Putative elongation factor 1-alpha-like 3	EEF1A1; EEF1A1P5	175.49	53649000000
P68133, P68032, P62736, P63267	Actin, alpha skeletal muscle; Actin, alpha cardiac muscle 1; Actin, aortic smooth muscle; Actin, gamma-enteric smooth muscle	ACTA1;ACTC1; ACTA2;ACTG2	92.449	47058000000
P08238, Q58FF7, Q92538	Heat shock protein HSP 90-beta	HSP90AB1	323.31	46029000000
P11142, P54652	Heat shock cognate 71 kDa protein	HSPA8	323.31	37748000000
P38646	Stress-70 protein, mitochondrial	HSPA9	323.31	35221000000
P04406, O14556	Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	187.46	31945000000
P14618	Pyruvate kinase PKM	PKM	323.31	26967000000
P17096	High mobility group protein HMG-I/HMG-Y	HMGA1	54.78	26783000000
P13639	Elongation factor 2	EEF2	323.31	24899000000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
06733	Alpha-enolase	ENO1	271.41	24327000000
Q16777, Q6FI13	Histone H2A type 2-C; Histone H2A type 2-A	HIST2H2AC; HIST2H2AA3	24.569	24322000000
P00338, Q6ZMR3, Q9BYZ2	L-lactate dehydrogenase A chain	LDHA	234.63	24277000000
P04075	Fructose-bisphosphate aldolase A	ALDOA	226.23	23953000000
Q9Y623	Myosin-4	MYH4	114.66	22597000000
P11021, REV_Q9NXD2	78 kDa glucose-regulated protein	HSPA5	283.68	21905000000
P09874	Poly [ADP-ribose] polymerase 1	PARP1	323.31	20800000000
P68363, A6NHL2, Q9H853	Tubulin alpha-1B chain	TUBA1B	260.23	20404000000
Q07955	Serine/arginine-rich splicing factor 1	SRSF1	100.4	18528000000
P07437, A6NNZ2, Q9H4B7	Tubulin beta chain	TUBB	238.21	16738000000
P10809	60 kDa heat shock protein, mitochondrial	HSPD1	311.28	16212000000
P07900, Q14568, Q58FG0, Q58FG1	Heat shock protein HSP 90-alpha	HSP90AA1	229.91	15422000000
Q9UKX2	Myosin-2	MYH2	70.53	14554000000
P11387, Q969P6	DNA topoisomerase 1	TOP1	213.05	14121000000
P07355, A6NMY6	Annexin A2; Putative annexin A2-like protein	ANXA2; ANXA2P2	248.59	13625000000
P06753, REV_Q5T655, Q8ND24	Tropomyosin alpha-3 chain	TPM3	187.76	13616000000
P12883	Myosin-7	MYH7	162.4	11929000000
P22626	Heterogeneous nuclear ribonucleoproteins A2/B1	HNRNPA2B1	188.97	11305000000
Q06830	Peroxiredoxin-1	PRDX1	118.11	10291000000
P07910, P0DMR1, O60812, B7ZW38, B2RXH8	Heterogeneous nuclear ribonucleoproteins C1/C2; Heterogeneous nuclear ribonucleoprotein C-like 4; Heterogeneous nuclear ribonucleoprotein C-like 1; Heterogeneous nuclear ribonucleoprotein C-like 3; Heterogeneous nuclear ribonucleoprotein C-like 2	HNRNPC; HNRNPCL4; HNRNPCL1; HNRNPCL3; HNRNPCL2	102.76	10180000000
P0DMV9, P0DMV8	Heat shock 70 kDa protein 1B; Heat shock 70 kDa protein 1A	HSPA1B; HSPA1A	221.44	10023000000
P06748	Nucleophosmin	NPM1	109.76	95259000000
P09651, Q32P51	Heterogeneous nuclear ribonucleoprotein A1; Heterogeneous nuclear ribonucleoprotein A1, N-terminally processed; Heterogeneous nuclear ribonucleoprotein A1-like 2	HNRNPA1; HNRNPA1L2	144.17	93531000000
P19338	Nucleolin	NCL	264.73	91590000000
P63104, REV_P53355	14-3-3 protein zeta/delta	YWHAZ	106.28	90150000000
P06576	ATP synthase subunit beta, mitochondrial	ATP5B	274.53	88267000000
P07195	L-lactate dehydrogenase B chain	LDHB	105.65	88225000000
P49327	Fatty acid synthase; [Acyl-carrier-protein] S-acetyltransferase; [Acyl-carrier-protein] S-malonyltransferase; 3-oxoacyl-[acyl-carrier-protein] synthase; 3-oxoacyl-[acyl-carrier-protein] reductase; 3-hydroxyacyl-[acyl-carrier-protein] dehydratase; Enoyl-[acyl-carrier-protein] reductase; Oleoyl-[acyl-carrier-protein] hydrolase	FASN	323.31	86654000000
P38919	Eukaryotic initiation factor 4A-III; Eukaryotic initiation factor 4A-III, N-terminally processed	EIF4A3	170.52	86259000000
Q9UQ35	Serine/arginine repetitive matrix protein 2	SRRM2	294.08	86237000000
P12268, P20839	Inosine-5-monophosphate dehydrogenase 2	IMPDH2	184.86	82423000000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
P62937, P0DN26, A0A0B4J2A2, A0A075B759, Q9Y536, F5H284, P0DN37, O43447, P30405	Peptidyl-prolyl cis-trans isomerase A; Peptidyl-prolyl cis-trans isomerase A, N-terminally processed	PPIA	103.22	8232700000
P02545	Prelamin-A/C; Lamin-A/C	LMNA	260.15	7919400000
Q86YZ3	Hornerin	HRNR	323.31	7689700000
P62258	14-3-3 protein epsilon	YWHAE	125.76	7560800000
Q13247	Serine/arginine-rich splicing factor 6	SRSF6	71.325	7152600000
P18669, P15259, Q8N0Y7	Phosphoglycerate mutase 1	PGAM1	124.99	7124800000
P06744	Glucose-6-phosphate isomerase	GPI	167.37	6971900000
P09211	Glutathione S-transferase P	GSTP1	86.338	6812900000
O75367	Core histone macro-H2A.1	H2AFY	107.23	6682200000
P60174	Triosephosphate isomerase	TPI1	125.85	6603300000
P15311	Ezrin	EZR	153.44	6553500000
Q00610, P53675	Clathrin heavy chain 1	CLTC	323.31	6518800000
P05976	Myosin light chain 1/3, skeletal muscle isoform	MYL1	38.655	6434700000
Q02952	A-kinase anchor protein 12	AKAP12	323.31	6379700000
O43707, Q9H254	Alpha-actinin-4	ACTN4	252.59	6080200000
Q00839	Heterogeneous nuclear ribonucleoprotein U	HNRNPU	173.41	6049900000
P00558, P07205	Phosphoglycerate kinase 1	PGK1	166.1	5937300000
Q14676	Mediator of DNA damage checkpoint protein 1	MDC1	220.7	5922100000
P78371	T-complex protein 1 subunit beta	CCT2	290.64	5906600000
P26641	Elongation factor 1-gamma	EEFIG	135.84	5816000000
P04083	Annexin A1	ANXA1	143.87	5647700000
P15531	Nucleoside diphosphate kinase A	NME1	69.699	5562700000
P84090	Enhancer of rudimentary homolog	ERH	35.889	5284400000
P61978	Heterogeneous nuclear ribonucleoprotein K	HNRNPK	127.73	5142900000
P62701, P22090, Q8TD47	40S ribosomal protein S4, X isoform	RPS4X	129.44	5107200000
P49368	T-complex protein 1 subunit gamma	CCT3	197.52	4953000000
Q96A32	Myosin regulatory light chain 2, skeletal muscle isoform	MYLPF	16.577	4850600000
P62826	GTP-binding nuclear protein Ran	RAN	77.921	4825400000
Q13464;O75116;Q2HXU8; O94964	Rho-associated protein kinase 1	ROCK1	323.31	4802400000
P25705;REV__Q9Y5A7; REV__O00522	ATP synthase subunit alpha, mitochondrial	ATP5A1	196.72	4757600000
Q8IUE6;REV__Q8NB25	Histone H2A type 2-B	HIST2H2AB	12.052	4753600000
P23526	Adenosylhomocysteinase	AHCY	109.29	4696900000
Q12906;Q96SI9	Interleukin enhancer-binding factor 3	ILF3	165.9	4657000000
P39019	40S ribosomal protein S19	RPS19	92.87	4386400000
P50990	T-complex protein 1 subunit theta	CCT8	195.76	4364500000
P61247	40S ribosomal protein S3a	RPS3A	117.25	4362200000
P14625;Q58FF3	Endoplasmic	HSP90B1	172.79	4291100000
P67809;Q9Y2T7	Nuclease-sensitive element-binding protein 1	YBX1	108.52	4282100000
P60842;Q14240	Eukaryotic initiation factor 4A-I;Eukaryotic initiation factor 4A-II;Eukaryotic initiation factor 4A-II, N-terminally processed	EIF4A1; EIF4A2	134.33	4211600000
P09429;B2RPK0;P23497	High mobility group protein B1;Putative high mobility group protein B1-like 1	HMGB1; HMGB1P1	65.406	4181700000
P23246	Splicing factor, proline- and glutamine-rich	SFPQ	197.59	4166400000
P07237	Protein disulfide-isomerase	P4HB	188.2	3947200000
P51991	Heterogeneous nuclear ribonucleoprotein A3	HNRNPA3	78.859	3884500000
O60506	Heterogeneous nuclear ribonucleoprotein Q	SYNCRIP	139.58	3882500000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups

Protein ID	Protein names	Gene names	Score	LFQ intensity C
P62851	40S ribosomal protein S25	RPS25	36.16	3847500000
P29401	Transketolase	TKT	186.65	3820300000
P29692	Elongation factor 1-delta	EEF1D	104.47	3807000000
Q9Y5B9	FACT complex subunit SPT16	SUPT16H	149.81	3786300000
P17844	Probable ATP-dependent RNA helicase DDX5	DDX5	185.94	3779800000
P17066;P48741	Heat shock 70 kDa protein 6;Putative heat shock 70 kDa protein 7	HSPA6; HSPA7	7.4039	3770400000
P11940;Q9H361;Q4VXU2; Q96DU9	Polyadenylate-binding protein 1	PABPC1	172.13	3675500000
Q86V81	THO complex subunit 4	ALYREF	81.648	3638600000
Q15233;REV__Q9Y2L8; REV__Q86SQ0; REV__A7E2Y1;Q8WXF1; Q6Y7W6	Non-POU domain-containing octamer-binding protein	NONO	90.296	3559800000
Q02878	60S ribosomal protein L6	RPL6	107.76	3537900000
P23528;Q9Y281	Cofilin-1	CFL1	71.945	3488500000
P68371	Tubulin beta-4B chain	TUBB4B	51.164	3455200000
P15880	40S ribosomal protein S2	RPS2	75.098	3425900000
P05388;Q8NHW5	60S acidic ribosomal protein P0;60S acidic ribosomal protein P0-like	RPLP0; RPLP0P6	81.375	3405500000
Q05639	Elongation factor 1-alpha 2	EEF1A2	87.416	3403700000
P62906	60S ribosomal protein L10a	RPL10A	62.242	3312200000
P39023	60S ribosomal protein L3	RPL3	97.279	3242100000
Q16531	DNA damage-binding protein 1	DDB1	191.89	3198500000
P23396	40S ribosomal protein S3	RPS3	112.73	3183000000
P11217	Glycogen phosphorylase, muscle form	PYGM	87.426	3070600000
P30050	60S ribosomal protein L12	RPL12	64.105	3021700000
P62424	60S ribosomal protein L7a	RPL7A	123.38	2979400000
P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	212.1	2967700000
P02765	Alpha-2-HS-glycoprotein;Alpha-2-HS-glycoprotein chain A;Alpha-2-HS-glycoprotein chain B	AHSG	29.398	2913800000
P40227;Q92526	T-complex protein 1 subunit zeta	CCT6A	104.13	2901600000
P38159;Q96E39;O75526; Q8IZ40;Q8N7X1	RNA-binding motif protein, X chromosome; RNA-binding motif protein, X chromosome, N-terminally processed;RNA binding motif protein, X-linked-like-1	RBMX; RBMXL1	70.967	2901300000
P62277	40S ribosomal protein S13	RPS13	55.704	2821600000
P22234	Multifunctional protein ADE2; Phosphoribosylaminoimidazole-succinocarboxamide synthase;Phosphoribosylaminoimidazole carboxylase	PAICS	143.63	2792200000
P62081	40S ribosomal protein S7	RPS7	72.201	2774200000
P60866	40S ribosomal protein S20	RPS20	31.703	2763400000
P42704	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC	267.6	2736900000
P35609	Alpha-actinin-2	ACTN2	139.31	2719100000
P62269	40S ribosomal protein S18	RPS18	63.656	2707700000
P46782	40S ribosomal protein S5;40S ribosomal protein S5, N-terminally processed	RPS5	74.985	2693400000
P62888	60S ribosomal protein L30	RPL30	62.583	2673500000
P17987	T-complex protein 1 subunit alpha	TCP1	127.71	2664500000
Q8NC51	Plasminogen activator inhibitor 1 RNA-binding protein	SERBP1	87.381	2656900000
Q08945	FACT complex subunit SSRP1	SSRP1	103.71	2646300000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
P31948	Stress-induced-phosphoprotein 1	STIP1	126.74	2640400000
P63241;Q9GZV4;Q6IS14	Eukaryotic translation initiation factor 5A-1	EIF5A	87.742	2638700000
P22061	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	PCMT1	98.271	2635400000
Q5T749	Keratinocyte proline-rich protein	KPRP	148.32	2630900000
P46781	40S ribosomal protein S9	RPS9	85.968	2576100000
P14866;Q8WVV9	Heterogeneous nuclear ribonucleoprotein L	HNRNPL	101.13	2479400000
P08865	40S ribosomal protein SA	RPSA	111.34	2409400000
Q01130;Q9BRL6	Serine/arginine-rich splicing factor 2	SRSF2	37.942	2365400000
P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2	110.25	2353100000
P40926	Malate dehydrogenase, mitochondrial	MDH2	113.28	2322700000
P26599;O95758	Polypyrimidine tract-binding protein 1	PTBP1	120.94	2312400000
Q8N257	Histone H2B type 3-B	HIST3H2BB	6.1253	2310600000
P62995	Transformer-2 protein homolog beta	TRA2B	46.766	2299000000
Q12905	Interleukin enhancer-binding factor 2	ILF2	58.474	2292700000
P48643	T-complex protein 1 subunit epsilon	CCT5	159.09	2278900000
P04792	Heat shock protein beta-1	HSPB1	70.512	2215500000
Q07020	60S ribosomal protein L18	RPL18	61.412	2144400000
Q99832	T-complex protein 1 subunit eta	CCT7	120.91	2143200000
P02788	Lactotransferrin;Lactoferricin-H;Kaliocin-1; Lactoferroxin-A;Lactoferroxin-B;Lactoferroxin-C	LTF	136.4	2116300000
P63244	Guanine nucleotide-binding protein subunit beta-2-like 1;Guanine nucleotide-binding protein subunit beta-2-like 1, N-terminally processed	GNB2L1	90.803	2106000000
O75531	Barrier-to-autointegration factor; Barrier-to-autointegration factor, N-terminally processed	BANF1	25.409	2106000000
P35232	Prohibitin	PHB	102.24	2077100000
Q9UQ80	Proliferation-associated protein 2G4	PA2G4	90.334	2059700000
Q92598;Q8TDX9	Heat shock protein 105 kDa	HSPH1	185.11	2037200000
Q13263	Transcription intermediary factor 1-beta	TRIM28	113.62	2015800000
P40925	Malate dehydrogenase, cytoplasmic	MDH1	79.81	2008400000
P12956	X-ray repair cross-complementing protein 6	XRCC6	148.3	2001600000
Q02413	Desmoglein-1	DSG1	93.711	1995100000
P05141;Q9H0C2	ADP/ATP translocase 2;ADP/ATP translocase 2, N-terminally processed	SLC25A5	90.215	1989800000
P36578	60S ribosomal protein L4	RPL4	96.848	1980800000
P84098	60S ribosomal protein L19	RPL19	33.312	1974000000
P07305	Histone H1.0;Histone H1.0, N-terminally processed	H1FO	20.94	1967700000
P61313	60S ribosomal protein L15	RPL15	73.482	1966700000
P08708	40S ribosomal protein S17	RPS17	41.694	1941400000
P62917	60S ribosomal protein L8	RPL8	55.953	1937100000
P07737	Profilin-1	PFN1	48.557	1936300000
P05387	60S acidic ribosomal protein P2	RPLP2	46.034	1907500000
P27797	Calreticulin	CALR	87.561	1894100000
P26373	60S ribosomal protein L13	RPL13	48.712	1866100000
P34932	Heat shock 70 kDa protein 4	HSPA4	176.01	1850300000
P62750	60S ribosomal protein L23a	RPL23A	64.368	1846000000
P21333	Filamin-A	FLNA	209.67	1845000000
P42766	60S ribosomal protein L35	RPL35	35.723	1840700000
P21796	Voltage-dependent anion-selective channel protein 1	VDAC1	86.394	1835000000
P35268	60S ribosomal protein L22	RPL22	24.127	1805500000
P18124;Q9Y4A5	60S ribosomal protein L7	RPL7	85.265	1750200000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups

Protein ID	Protein names	Gene names	Score	LFQ intensity C
P30153;P30154	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	PPP2R1A	123.44	1740900000
O75475	PC4 and SFRS1-interacting protein	PSIP1	55.619	1739500000
P13010	X-ray repair cross-complementing protein 5	XRCC5	199.34	1736500000
P30101	Protein disulfide-isomerase A3	PDIA3	176.45	1716800000
P50914	60S ribosomal protein L14	RPL14	40.66	1703100000
O43390	Heterogeneous nuclear ribonucleoprotein R	HNRNPR	76.299	1661500000
P55072	Transitional endoplasmic reticulum ATPase	VCP	150.33	1659000000
Q08211	ATP-dependent RNA helicase A	DHX9	196.6	1653700000
Q14103	Heterogeneous nuclear ribonucleoprotein D0	HNRNPD	75.461	1562800000
P05109	Protein S100-A8;Protein S100-A8, N-terminally processed	S100A8	26.736	1554800000
P49411	Elongation factor Tu, mitochondrial	TUFM	99.584	1552400000
P62318	Small nuclear ribonucleoprotein Sm D3	SNRPD3	29.113	1544200000
Q14974	Importin subunit beta-1	KPNB1	159.79	1536300000
P02786	Transferrin receptor protein 1;Transferrin receptor protein 1, serum form	TFRC	131.46	1534000000
O43169	Cytochrome b5 type B	CYB5B	43.996	1518600000
P35637	RNA-binding protein FUS	FUS	43.925	1515900000
P46777	60S ribosomal protein L5	RPL5	63.645	1494100000
Q96HC4	PDZ and LIM domain protein 5	PDLIM5	100.4	1488300000
P40429;Q6NVV1	60S ribosomal protein L13a	RPL13A	56.768	1469100000
P55209	Nucleosome assembly protein 1-like 1	NAP1L1	39.273	1454900000
P23284	Peptidyl-prolyl cis-trans isomerase B	PIPB	62.682	1444500000
P31946	14-3-3 protein beta/alpha;14-3-3 protein beta/alpha, N-terminally processed	YWHAB	64.736	1438000000
P15924	Desmoplakin	DSP	127.93	1429000000
Q99623	Prohibitin-2	PHB2	103.63	1428300000
P09382	Galectin-1	LGALS1	62.72	1423300000
P34897;P34896	Serine hydroxymethyltransferase, mitochondrial	SHMT2	114.58	1400500000
Q96AG4	Leucine-rich repeat-containing protein 59	LRRC59	66.613	1388100000
P04843	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 1	RPN1	173.9	1387700000
P27824;O14967	Calnexin	CANX	87.081	1387400000
P08758	Annexin A5	ANXA5	96.834	1359800000
P0DOX7;P01834	Ig kappa chain C region	IGKC	14.019	1321400000
P22314	Ubiquitin-like modifier-activating enzyme 1	UBA1	145.81	1316500000
P06702	Protein S100-A9	S100A9	41.664	1311800000
Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	112.11	1308500000
P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	229.26	1307100000
O00299	Chloride intracellular channel protein 1	CLIC1	63.277	1296300000
P35613	Basigin	BSG	45.435	1294600000
P60228	Eukaryotic translation initiation factor 3 subunit E	EIF3E	98.864	1289300000
P01876	Ig alpha-1 chain C region	IGHA1	60.239	1278700000
Q14152	Eukaryotic translation initiation factor 3 subunit A	EIF3A	185.15	1270700000
Q13765;E9PAV3;Q9BZK3	Nascent polypeptide-associated complex subunit alpha;Nascent polypeptide-associated complex subunit alpha, muscle-specific form	NACA	44.141	1269200000
P26640	Valine-tRNA ligase	VAR5	149.12	1269200000
Q01518	Adenylyl cyclase-associated protein 1	CAP1	99.038	1263600000
P46783;Q9NQ39	40S ribosomal protein S10;Putative 40S ribosomal protein S10-like	RPS10; RPS10P5	47.799	1246500000
P61353	60S ribosomal protein L27	RPL27	35.494	1236300000
P32969	60S ribosomal protein L9	RPL9	68.251	1232500000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups

Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q13283	Ras GTPase-activating protein-binding protein 1	G3BP1	88.365	1209300000
P18206	Vinculin	VCL	117.75	1194500000
O75533	Splicing factor 3B subunit 1	SF3B1	114.58	1194400000
P18621	60S ribosomal protein L17	RPL17	48.801	1167800000
P27635;Q96L21	60S ribosomal protein L10;60S ribosomal protein L10-like	RPL10; RPL10L	56.386	1165500000
O00571;O15523;Q9NQI0	ATP-dependent RNA helicase DDX3X; ATP-dependent RNA helicase DDX3Y	DDX3X; DDX3Y	112.77	1163900000
Q16658	Fascin	FSCN1	70.113	1157000000
P09972	Fructose-bisphosphate aldolase C	ALDOC	56.754	1156000000
P36551	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	CPOX	101.51	1146200000
P0DP25;P0DP24;P0DP23; P27482;P02585	Calmodulin-3	CALM3	26.263	1136500000
P50395;P31150	Rab GDP dissociation inhibitor beta;Rab GDP dissociation inhibitor alpha	GDI2;GDI1	56.583	1128000000
P84103	Serine/arginine-rich splicing factor 3	SRSF3	19.31	1114400000
P62241	40S ribosomal protein S8	RPS8	62.457	1095000000
P31943;P55795	Heterogeneous nuclear ribonucleoprotein H; Heterogeneous nuclear ribonucleoprotein H, N-terminally processed	HNRNPH1	57.515	1094200000
P62820;Q9H0U4;Q92928; P51153;Q92930;P61006; P59190	Ras-related protein Rab-1A;Ras-related protein Rab-1B	RAB1A; RAB1B	58.51	1094100000
Q14697	Neutral alpha-glucosidase AB	GANAB	121.5	1086900000
P30048	Thioredoxin-dependent peroxide reductase, mitochondrial	PRDX3	33.701	1068600000
P53396	ATP-citrate synthase	ACLY	120.92	1066000000
P12004	Proliferating cell nuclear antigen	PCNA	55.865	1060300000
O14818;Q8TAA3	Proteasome subunit alpha type-7;Proteasome subunit alpha type-7-like	PSMA7; PSMA8	45.21	1058500000
P62910	60S ribosomal protein L32	RPL32	35.834	1055800000
O60664	Perilipin-3	PLIN3	61.213	1040300000
P50502;Q8IZP2;Q8NFI4	Hsc70-interacting protein;Putative protein FAM10A4;Putative protein FAM10A5	ST13;ST13P4; ST13P5	60.651	1029400000
P61254;Q9UNX3	60S ribosomal protein L26;60S ribosomal protein L26-like 1	RPL26; RPL26L1	31.927	1021600000
Q6P5R6	60S ribosomal protein L22-like 1	RPL22L1	22.098	1016300000
P62249	40S ribosomal protein S16	RPS16	46.656	1013400000
Q99613;B5ME19	Eukaryotic translation initiation factor 3 subunit C; Eukaryotic translation initiation factor 3 subunit C-like protein	EIF3C; EIF3CL	116.1	1012300000
Q9NQ3	Reticulon-4	RTN4	52.153	1004500000
P12277	Creatine kinase B-type	CKB	88.033	1001200000
P13667	Protein disulfide-isomerase A4	PDIA4	80.008	987510000
Q15717	ELAV-like protein 1	ELAVL1	62.674	983610000
P18754	Regulator of chromosome condensation	RCC1	60.997	977860000
P22102	Trifunctional purine biosynthetic protein adenosine-3;Phosphoribosylamine-glycine ligase; Phosphoribosylformylglycinamide cyclo-ligase; Phosphoribosylglycinamide formyltransferase	GART	112.61	967340000
Q15181	Inorganic pyrophosphatase	PPA1	63.077	957070000
Q04637;O43432; REV__Q8NEG2	Eukaryotic translation initiation factor 4 gamma 1	EIF4G1	120.41	954800000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q07021	Complement component 1 Q subcomponent-binding protein, mitochondrial	C1QBP	34.528	953740000
P31947	14-3-3 protein sigma	SFN	77.841	952980000
Q9Y265	RuvB-like 1	RUVBL1	89.131	948410000
P62854;Q5JNZ5	40S ribosomal protein S26;Putative 40S ribosomal protein S26-like 1	RPS26; RPS26P11	25.007	941400000
P55786;A6NEC2	Puromycin-sensitive aminopeptidase	NPEPPS	103.45	931550000
P22695	Cytochrome b-c1 complex subunit 2, mitochondrial	UQCRC2	70.649	931050000
P04844	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 2	RPN2	78.721	930940000
P12273	Prolactin-inducible protein	PIP	51.229	928040000
Q13126	S-methyl-5-thioadenosine phosphorylase	MTAP	74.755	927860000
P00505	Aspartate aminotransferase, mitochondrial	GOT2	68.923	926570000
Q01469;A8MUU1	Fatty acid-binding protein, epidermal	FABP5	45.547	913920000
P62280	40S ribosomal protein S11	RPS11	38.267	905490000
P62913	60S ribosomal protein L11	RPL11	28.019	904050000
Q8NEZ5	F-box only protein 22	FBXO22	67.895	895480000
Q01813	ATP-dependent 6-phosphofructokinase, platelet type	PFKP	105.04	894080000
Q15366;P57721	Poly(rC)-binding protein 2	PCBP2	50.603	878310000
Q02790	Peptidyl-prolyl cis-trans isomerase FKBP4; Peptidyl-prolyl cis-trans isomerase FKBP4, N-terminally processed	FKBP4	83.811	869130000
Q08554	Desmocollin-1	DSC1	35.451	865290000
P63162;P14678	Small nuclear ribonucleoprotein-associated protein N;Small nuclear ribonucleoprotein-associated proteins B and B	SNRPN; SNRNPB	26.162	865160000
P84077;P61204	ADP-ribosylation factor 1;ADP-ribosylation factor 3	ARF1;ARF3	34.892	851020000
P25788	Proteasome subunit alpha type-3	PSMA3	48.758	849070000
P14923	Junction plakoglobin	JUP	102.26	845730000
P24539	ATP synthase F(0) complex subunit B1, mitochondrial	ATP5F1	51.181	840630000
P62314	Small nuclear ribonucleoprotein Sm D1	SNRPD1	27.447	837730000
P48047	ATP synthase subunit O, mitochondrial	ATP5O	72.356	837210000
P25311	Zinc-alpha-2-glycoprotein	AZGP1	53.86	828870000
Q92945	Far upstream element-binding protein 2	KHSRP	86.506	828420000
P05023;P13637;P50993;	Sodium/potassium-transporting ATPase subunit alpha-1;Sodium/potassium-transporting ATPase subunit alpha-3;Sodium/potassium-transporting ATPase subunit alpha-2	ATP1A1; ATP1A3; ATP1A2	114.26	827530000
Q13733				
Q02543	60S ribosomal protein L18a	RPL18A	41.853	824000000
P0DOX5;P01857;P01860	Ig gamma-1 chain C region	IGHG1	24.796	821130000
P46778	60S ribosomal protein L21	RPL21	17.213	794450000
P42167;P42166	Lamina-associated polypeptide 2, isoforms beta/gamma;Thymopoietin;Thymopentin; Lamina-associated polypeptide 2, isoform alpha; Thymopoietin;Thymopentin	TMPO	63.233	793470000
P28066	Proteasome subunit alpha type-5	PSMA5	47.58	786360000
Q13435	Splicing factor 3B subunit 2	SF3B2	52.043	780960000
Q9Y490	Talin-1	TLN1	78.133	780070000
P62244	40S ribosomal protein S15a	RPS15A	29.68	779850000
P55884	Eukaryotic translation initiation factor 3 subunit B	EIF3B	91.217	760030000
Q9Y224	UPF0568 protein C14orf166	C14orf166	66.235	759590000
O00231	26S proteasome non-ATPase regulatory subunit 11	PSMD11	66.077	758440000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q15459	Splicing factor 3A subunit 1	SF3A1	64.931	754570000
Q13151	Heterogeneous nuclear ribonucleoprotein A0	HNRNPA0	45.437	751930000
P30041	Peroxiredoxin-6	PRDX6	62.003	749500000
P62841	40S ribosomal protein S15	RPS15	27.074	749260000
P46940;Q86VI3	Ras GTPase-activating-like protein IQGAP1	IQGAP1	123.83	747780000
Q9GZZ1	N-alpha-acetyltransferase 50	NAA50	73.005	744490000
Q09028	Histone-binding protein RBBP4	RBBP4	69.081	738550000
Q15365;P57723	Poly(rC)-binding protein 1	PCBP1	84.312	738510000
Q9Y3U8	60S ribosomal protein L36	RPL36	35.767	736550000
P16070	CD44 antigen	CD44	19.582	732580000
Q9Y262	Eukaryotic translation initiation factor 3 subunit L	EIF3L	84.773	727000000
P41091;Q2VIR3	Eukaryotic translation initiation factor 2 subunit 3; Putative eukaryotic translation initiation factor 2 subunit 3-like protein	EIF2S3; EIF2S3L	75.371	726220000
P62140	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	PPP1CB	60.78	712540000
Q9Y230	RuvB-like 2	RUVBL2	64.508	708690000
P16989	Y-box-binding protein 3	YBX3	48.23	706620000
P51665	26S proteasome non-ATPase regulatory subunit 7	PSMD7	79.819	702920000
P07814	Bifunctional glutamate/proline-tRNA ligase; Glutamate-tRNA ligase;Proline-tRNA ligase	EPRS	137.61	702540000
Q15084	Protein disulfide-isomerase A6	PDIA6	68.607	698180000
P12429	Annexin A3	ANXA3	80.106	695430000
Q9UHD8	Septin-9	SEPT9	45.239	693900000
P62753	40S ribosomal protein S6	RPS6	31.988	692200000
Q5T750	Skin-specific protein 32	XP32	15.261	689150000
Q13310	Polyadenylate-binding protein 4	PABPC4	43.389	688050000
P25786	Proteasome subunit alpha type-1	PSMA1	65.205	660100000
P0DOY3;P0DOY2; P0CG04;P0CF74;B9A064; A0M8Q6	Ig lambda-1 chain C regions;Ig lambda-6 chain C region;Immunoglobulin lambda-like polypeptide 5	IGLC1;IGLC6; IGLL5	26.623	658740000
Q5D862	Filaggrin-2	FLG2	45.29	658290000
Q92841	Probable ATP-dependent RNA helicase DDX17	DDX17	49.939	654620000
Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	25.917	647330000
Q01105;P0DME0	Protein SET;Protein SETSIP	SET;SETSIP	29.277	645410000
O14980	Exportin-1	XPO1	141.49	643540000
P09960	Leukotriene A-4 hydrolase	LTA4H	85.328	632440000
P31689	DnaJ homolog subfamily A member 1	DNAJA1	64.064	631350000
P60660;P14649	Myosin light polypeptide 6	MYL6	36.674	628020000
P24534	Elongation factor 1-beta	EEF1B2	22.438	625630000
P56537	Eukaryotic translation initiation factor 6	EIF6	25.588	624310000
Q99729	Heterogeneous nuclear ribonucleoprotein A/B	HNRNPAB	38.33	623850000
P26368	Splicing factor U2AF 65 kDa subunit	U2AF2	60.221	620850000
Q99873;Q9NR22	Protein arginine N-methyltransferase 1	PRMT1	51.066	613130000
P61981	14-3-3 protein gamma;14-3-3 protein gamma, N-terminally processed	YWHAG	49.774	612830000
P41252	Isoleucine-tRNA ligase, cytoplasmic	IARS	133.91	612390000
P43243	Matrin-3	MATR3	65.84	609240000
Q8WZ42	Titin	TTN	75.979	604080000
Q00796	Sorbitol dehydrogenase	SORD	50.42	594880000
O00154	Cytosolic acyl coenzyme A thioester hydrolase	ACOT7	21.062	593650000
O15372	Eukaryotic translation initiation factor 3 subunit H	EIF3H	61.223	590930000
P62847	40S ribosomal protein S24	RPS24	28.589	588540000
Q9Y3I0	tRNA-splicing ligase RtcB homolog	RTCB	47.712	581680000
Q9UN86	Ras GTPase-activating protein-binding protein 2	G3BP2	42.572	577870000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q58FF8	Putative heat shock protein HSP 90-beta 2	HSP90AB2P	10.274	571080000
Q9Y4L1	Hypoxia up-regulated protein 1	HYOU1	43.668	570620000
P0DN76;Q01081;Q8WU68	Splicing factor U2AF 35 kDa subunit;Splicing factor U2AF 26 kDa subunit	U2AF1; U2AF1L4	35.347	562680000
O43399	Tumor protein D54	TPD52L2	40.496	561570000
Q14444	Caprin-1	CAPRIN1	51.514	553770000
Q9HB71	Calcyclin-binding protein	CACYBP	49.549	551350000
P17174	Aspartate aminotransferase, cytoplasmic	GOT1	58.497	548830000
P52292	Importin subunit alpha-1	KPNA2	57.391	548150000
P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	29.192	544140000
Q13185	Chromobox protein homolog 3	CBX3	30.078	542200000
Q9Y5S9	RNA-binding protein 8A	RBM8A	28.929	539110000
P62899	60S ribosomal protein L31	RPL31	26.035	535900000
P69905	Hemoglobin subunit alpha	HBA1	28.205	525950000
P62304	Small nuclear ribonucleoprotein E	SNRPE	15.29	524860000
P20700	Lamin-B1	LMNB1	46.77	524190000
Q9Y266	Nuclear migration protein nudC	NUDC	28.352	517700000
P29508;P48594	Serpin B3;Serpin B4	SERPINB3; SERPINB4	55.905	517400000
Q9NRW1;P20340;Q14964	Ras-related protein Rab-6B;Ras-related protein Rab-6A;Ras-related protein Rab-39A	RAB6B;RAB6A; RAB39A	14.726	513920000
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M	EIF3M	50.307	512600000
P18085	ADP-ribosylation factor 4	ARF4	43.706	512260000
P0DPI2;A0A0B4J2D5	Glutamine amidotransferase-like class 1 domain-containing protein 3A, mitochondrial	GATD3A	54.573	509280000
P14174	Macrophage migration inhibitory factor	MIF	14.208	506410000
P49321	Nuclear autoantigenic sperm protein	NASP	45.68	505050000
Q86VP6	Cullin-associated NEDD8-dissociated protein 1	CAND1	80.489	504640000
Q15185	Prostaglandin E synthase 3	PTGES3	26.087	504250000
Q8TAA9	Vang-like protein 1	VANGL1	56.49	501430000
P62979;P0CG47;P0CG48	Ubiquitin-40S ribosomal protein S27a;Ubiquitin; 40S ribosomal protein S27a;Polyubiquitin-B; Ubiquitin;Polyubiquitin-C;Ubiquitin	RPS27A;UBB; UBC	23.564	497390000
P49588	Alanine-tRNA ligase, cytoplasmic	AARS	75.019	495400000
P09661	U2 small nuclear ribonucleoprotein A	SNRPA1	41.875	494310000
P52209	6-phosphogluconate dehydrogenase, decarboxylating	PGD	53.739	493990000
P49736	DNA replication licensing factor MCM2	MCM2	60.3	487030000
P00747;Q15195;Q02325	Plasminogen;Plasmin heavy chain A;Activation peptide;Angiostatin;Plasmin heavy chain A, short form;Plasmin light chain B;Plasminogen-like protein A;Plasminogen-like protein B	PLG;PLGLA; PLGLB1	12.553	485760000
Q99879;Q99877;Q93079; Q5QNW6;P62807;P58876; O60814;Q99880;P57053; Q96A08	Histone H2B type 1-M;Histone H2B type 1-N; Histone H2B type 1-H;Histone H2B type 2-F; Histone H2B type 1-C/E/F/G/I; Histone H2B type 1-D;Histone H2B type 1-K; Histone H2B type 1-L;Histone H2B type F-S	HIST1H2BM; HIST1H2BN; HIST1H2BH; HIST2H2BF; HIST1H2BC; HIST1H2BD; HIST1H2BK; HIST1H2BL; H2BFS	8.0085	477620000
P46776	60S ribosomal protein L27a	RPL27A	14.091	476090000
P83731	60S ribosomal protein L24	RPL24	27.21	469850000
Q92616	Translational activator GCN1	GCN1L1	121.35	469750000
P06703	Protein S100-A6	S100A6	20.274	466280000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q15008	26S proteasome non-ATPase regulatory subunit 6	PSMD6	51.689	464120000
Q969Q0;P83881	60S ribosomal protein L36a-like;60S ribosomal protein L36a	RPL36AL; RPL36A	11.151	463030000
P62266	40S ribosomal protein S23	RPS23	25.89	462560000
P14314	Glucosidase 2 subunit beta	PRKCSH	37.14	461820000
Q15046	Lysine-tRNA ligase	KARS	74.378	452450000
P60900	Proteasome subunit alpha type-6	PSMA6	61.447	452240000
P62191	26S protease regulatory subunit 4	PSMC1	77.841	444680000
Q12931	Heat shock protein 75 kDa, mitochondrial	TRAP1	48.592	443990000
P81605	Dermcidin;Survival-promoting peptide;DCD-1	DCD	20.975	443140000
P63173	60S ribosomal protein L38	RPL38	15.983	440580000
P61586;P08134	Transforming protein RhoA;Rho-related GTP-binding protein RhoC	RHOA;RHOC	36.151	437590000
Q15393	Splicing factor 3B subunit 3	SF3B3	69.674	437230000
P62491;Q15907	Ras-related protein Rab-11A;Ras-related protein Rab-11B	RAB11A; RAB11B	36.206	437170000
P26639;A2RTX5	Threonine-tRNA ligase, cytoplasmic	TARS	57.718	431300000
P49721	Proteasome subunit beta type-2	PSMB2	54.737	430400000
P61626	Lysozyme C	LYZ	33.985	429620000
P25789	Proteasome subunit alpha type-4	PSMA4	27.636	428390000
Q9Y3F4	Serine-threonine kinase receptor-associated protein	STRAP	53.028	419570000
P37108	Signal recognition particle 14 kDa protein	SRP14	21.176	419310000
O75131;Q96FN4;Q8IYJ1; Q96A23;O95741;Q86YQ8; Q9HCH3;Q9UBL6	Copine-3	CPNE3	49.143	418120000
P14868	Aspartate-tRNA ligase, cytoplasmic	DARS	83.255	416920000
P20618	Proteasome subunit beta type-1	PSMB1	34.486	416550000
Q9NR30;Q9BQ39	Nucleolar RNA helicase 2	DDX21	46.347	415840000
Q13347	Eukaryotic translation initiation factor 3 subunit I	EIF3I	44.026	411320000
P19105;P24844;O14950	Myosin regulatory light chain 12A;Myosin regulatory light polypeptide 9;Myosin regulatory light chain 12B	MYL12A; MYL9; MYL12B	34.733	411020000
P31939	Bifunctional purine biosynthesis protein PURH; Phosphoribosylaminoimidazolecarboxamide formyltransferase;IMP cyclohydrolase	ATIC	48.73	409350000
O95373	Importin-7	IPO7	51.757	408120000
O60264;P28370	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5; Probable global transcription activator SNF2L1	SMARCA5; SMARCA1	32.303	391370000
O00410	Importin-5	IPO5	107.46	389200000
Q96AE4	Far upstream element-binding protein 1	FUBP1	47.65	387340000
O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	76.932	386500000
Q96FJ2;P63167	Dynein light chain 2, cytoplasmic;Dynein light chain 1, cytoplasmic	DYNLL2; DYNLL1	16.23	386480000
P55060	Exportin-2	CSE1L	72.198	379740000
Q5TZA2	Rootletin	CROCC	6.7439	378060000
P20290;Q96K17	Transcription factor BTF3	BTF3	26.445	376730000
Q14019	Coactosin-like protein	COTL1	27.48	376330000
P36542	ATP synthase subunit gamma, mitochondrial	ATP5C1	30.723	375860000
P12236	ADP/ATP translocase 3;ADP/ATP translocase 3, N-terminally processed	SLC25A6	12.954	370900000
Q15019	Septin-2	SEPT2	40.174	367650000
Q86VH2	Kinesin-like protein KIF27	KIF27	6.5399	366650000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q13838;O00148	Spliceosome RNA helicase DDX39B; ATP-dependent RNA helicase DDX39A	DDX39B; DDX39A	59.783	366500000
P21926	CD9 antigen	CD9	7.5321	365450000
P37837	Transaldolase	TALDO1	40.4	362400000
P47756	F-actin-capping protein subunit beta	CAPZB	23.279	360500000
O00303	Eukaryotic translation initiation factor 3 subunit F	EIF3F	37.554	358820000
P53618	Coatomer subunit beta	COPB1	76.406	357040000
Q9UL46	Proteasome activator complex subunit 2	PSME2	44.14	352300000
P16422	Epithelial cell adhesion molecule	EPCAM	33.243	351190000
P68400;Q8NEV1;P19784; P12532;P17540	Casein kinase II subunit alpha;Casein kinase II subunit alpha 3	CSNK2A1; CSNK2A3	43.679	349120000
P28070	Proteasome subunit beta type-4	PSMB4	31.781	348180000
O43143;O60231;Q14562	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	60.335	347870000
P05455	Lupus La protein	SSB	28.159	347860000
P08237	ATP-dependent 6-phosphofructokinase, muscle type	PFKM	24.857	338990000
P47897	Glutamine-tRNA ligase	QARS	54.742	338400000
P12814	Alpha-actinin-1	ACTN1	55.015	336580000
Q15029	116 kDa U5 small nuclear ribonucleoprotein component	EFTUD2	70.415	335590000
P35998	26S protease regulatory subunit 7	PSMC2	50.312	335140000
P01023;P20742	Alpha-2-macroglobulin	A2M	19.079	332490000
P39748	Flap endonuclease 1	FEN1	39.747	332080000
P47895	Aldehyde dehydrogenase family 1 member A3	ALDH1A3	40.464	326720000
Q9ULC5;Q9UKU0	Long-chain-fatty-acid-CoA ligase 5	ACSL5	91.945	322820000
Q12874	Splicing factor 3A subunit 3	SF3A3	43.633	321910000
P51572	B-cell receptor-associated protein 31	BCAP31	29.445	317810000
P25205	DNA replication licensing factor MCM3	MCM3	57.291	317310000
P08195	4F2 cell-surface antigen heavy chain	SLC3A2	87.827	309780000
P61221	ATP-binding cassette sub-family E member 1	ABCE1	55.045	309280000
Q13162	Peroxiredoxin-4	PRDX4	28.265	304180000
Q96FQ6	Protein S100-A16	S100A16	22.665	304100000
P54727;P54725	UV excision repair protein RAD23 homolog B	RAD23B	35.737	302680000
O75607	Nucleoplasmin-3	NPM3	40.949	302250000
P62195;Q8NB90	26S protease regulatory subunit 8	PSMC5	67.103	300930000
Q9NX58	Cell growth-regulating nucleolar protein	LYAR	30.303	290220000
P35326;P35325;P22532; P22531;Q9BYE4;Q96RM1	Small proline-rich protein 2A;Small proline-rich protein 2B;Small proline-rich protein 2D;Small proline-rich protein 2E;Small proline-rich protein 2G; Small proline-rich protein 2F	SPRR2A; SPRR2B; SPRR2D; SPRR2E; SPRR2G; SPRR2F	13.257	288720000
P01008	Antithrombin-III	SERPINC1	22.825	288660000
P06730	Eukaryotic translation initiation factor 4E	EIF4E	13.813	287670000
P68871;P02042	Hemoglobin subunit beta;LVV-hemorphin-7; Spinorphin	HBB	21.504	287490000
P25787	Proteasome subunit alpha type-2	PSMA2	41.179	287320000
Q13509	Tubulin beta-3 chain	TUBB3	27.566	282100000
Q09666	Neuroblast differentiation-associated protein AHNAK	AHNAK	35.052	279510000
O15427	Monocarboxylate transporter 4	SLC16A3	20.005	279330000
P50454	Serpin H1	SERPINH1	52.439	277050000
Q9NVA2;Q14141; Q9P0V9; Q92599	Septin-11	SEPT11	18.921	277000000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
P04181	Ornithine aminotransferase, mitochondrial;Ornithine aminotransferase, hepatic form;Ornithine aminotransferase, renal form	OAT	45.459	274900000
Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	45.052	273820000
P30685;P30491;P30488; P30487;P30483;P30498; P30495;P30490;P30484; P30464;P18464;P10319; P18465;P30455;P30447; P30443;P13746;P05534; P04439;P30501;Q95604; P17693;P13747;Q31610; P30486;P01893;Q31612; P04222	HLA class I histocompatibility antigen, B-35 alpha chain;HLA class I histocompatibility antigen, B-53 alpha chain;HLA class I histocompatibility antigen, B-50 alpha chain;HLA class I histocompatibility antigen, B-49 alpha chain;HLA class I histocompatibility antigen, B-45 alpha chain;HLA class I histocompatibility antigen, B-78 alpha chain;HLA class I histocompatibility antigen, B-56 alpha chain;HLA class I histocompatibility antigen, B-52 alpha chain;HLA class I histocompatibility antigen, B-46 alpha chain;HLA class I histocompatibility antigen, B-15 alpha chain;HLA class I histocompatibility antigen, B-51 alpha chain;HLA class I histocompatibility antigen, B-58 alpha chain;HLA class I histocompatibility antigen, B-57 alpha chain;HLA class I histocompatibility antigen, A-36 alpha chain;HLA class I histocompatibility antigen, A-23 alpha chain;HLA class I histocompatibility antigen, A-1 alpha chain;HLA class I histocompatibility antigen, A-11 alpha chain;HLA class I histocompatibility antigen, A-24 alpha chain;HLA class I histocompatibility antigen, A-3 alpha chain;HLA class I histocompatibility antigen, Cw-2 alpha chain;HLA class I histocompatibility antigen, Cw-17 alpha chain	HLA-B;HLA-A; HLA-C	27.316	273630000
Q8WX93;Q86TC9	Palladin	PALLD	39.575	272590000
P35606	Coatomer subunit beta	COPB2	53.661	271820000
P08133	Annexin A6	ANXA6	48.963	265000000
P49720	Proteasome subunit beta type-3	PSMB3	30.822	264620000
P35221;Q9UI47	Catenin alpha-1	CTNNA1	92.335	263590000
Q01082	Spectrin beta chain, non-erythrocytic 1	SPTBN1	42.883	262330000
P51571	Translocon-associated protein subunit delta	SSR4	22.085	261920000
P33991	DNA replication licensing factor MCM4	MCM4	54.497	260260000
Q9NP55	BPI fold-containing family A member 1	BPIFA1	36.585	258560000
P60953	Cell division control protein 42 homolog	CDC42	36.162	257900000
Q15691	Microtubule-associated protein RP/EB family member 1	MAPRE1	15.962	257680000
Q99460	26S proteasome non-ATPase regulatory subunit 1	PSMD1	43.841	255820000
P35321;P22528	Cornifin-A;Cornifin-B	SPRR1A; SPRR1B	10.69	250040000
P07864	L-lactate dehydrogenase C chain	LDHC	7.6754	245950000
P41250	Glycine-tRNA ligase	GARS	57.252	245700000
P00403	Cytochrome c oxidase subunit 2	MT-CO2	27.822	244390000
Q9UNM6	26S proteasome non-ATPase regulatory subunit 13	PSMD13	34.133	243390000
P60981	Dextrin	DSTN	38.531	241800000
O00232	26S proteasome non-ATPase regulatory subunit 12	PSMD12	50.555	236150000
P15559	NAD(P)H dehydrogenase [quinone] 1	NQO1	41.133	236010000
Q9P0L0	Vesicle-associated membrane protein-associated protein A	VAPA	21.943	233010000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q9Y4Z0	U6 snRNA-associated Sm-like protein LSm4	LSM4	20.657	229220000
Q04917	14-3-3 protein eta	YWHAH	20.133	226610000
Q15369	Transcription elongation factor B polypeptide 1	TCEB1	12.414	221310000
Q13867	Bleomycin hydrolase	BLMH	43.743	220550000
P39656	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase 48 kDa subunit	DDOST	20.007	219940000
Q99714	3-hydroxyacyl-CoA dehydrogenase type-2	HSD17B10	39.326	218790000
Q9BTT0	Acidic leucine-rich nuclear phosphoprotein 32 family member E	ANP32E	38	218630000
P52907;P47755	F-actin-capping protein subunit alpha-1	CAPZA1	28.713	217360000
Q06323	Proteasome activator complex subunit 1	PSME1	30.822	214520000
O43776	Asparagine-tRNA ligase, cytoplasmic	NARS	31.851	207180000
P61019	Ras-related protein Rab-2A	RAB2A	9.92	205840000
P00491	Purine nucleoside phosphorylase	PNP	48.329	205600000
Q9Y617	Phosphoserine aminotransferase	PSAT1	45.699	205350000
P08621	U1 small nuclear ribonucleoprotein 70 kDa	SNRNP70	32.593	205350000
Q92688	Acidic leucine-rich nuclear phosphoprotein 32 family member B	ANP32B	19.195	204830000
O00487	26S proteasome non-ATPase regulatory subunit 14	PSMD14	6.3417	204320000
O95433	Activator of 90 kDa heat shock protein ATPase homolog 1	AHSA1	35.766	201120000
Q9UBQ5	Eukaryotic translation initiation factor 3 subunit K	EIF3K	28.653	198720000
P08579	U2 small nuclear ribonucleoprotein B	SNRPB2	19.267	198120000
P10515	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT	31.376	196660000
O15371	Eukaryotic translation initiation factor 3 subunit D	EIF3D	36.751	195290000
P06396	Gelsolin	GSN	20.079	192440000
P00846	ATP synthase subunit a	MT-ATP6	12.374	189780000
P63010	AP-2 complex subunit beta	AP2B1	32.415	187800000
P01833	Polymeric immunoglobulin receptor;Secretory component	PIGR	28.873	187320000
Q9BQE3	Tubulin alpha-1C chain	TUBA1C	24.299	184400000
Q14258	E3 ubiquitin/ISG15 ligase TRIM25	TRIM25	24.868	184280000
O60841	Eukaryotic translation initiation factor 5B	EIF5B	32.745	181040000
Q7L1Q6	Basic leucine zipper and W2 domain-containing protein 1	BZW1	53.949	176150000
P27695	DNA-(apurinic or apyrimidinic site) lyase; DNA-(apurinic or apyrimidinic site) lyase, mitochondrial	APEX1	23.862	175610000
P51148;P61020;P20339	Ras-related protein Rab-5C	RAB5C	35.065	171480000
Q92520	Protein FAM3C	FAM3C	6.9064	171310000
P31949	Protein S100-A11;Protein S100-A11, N-terminally processed	S100A11	27.692	167900000
P20930	Filaggrin	FLG	19.304	167530000
P61160	Actin-related protein 2	ACTR2	32.771	166380000
Q8NBS9	Thioredoxin domain-containing protein 5	TXNDC5	21.262	166270000
P06732	Creatine kinase M-type;Creatine kinase M-type, N-terminally processed	CKM	11.408	166140000
O14579	Coatamer subunit epsilon	COPE	30.443	164500000
P04632;Q96L46	Calpain small subunit 1	CAPNS1	35.297	163870000
Q15758	Neutral amino acid transporter B(0)	SLC1A5	20.064	163380000
P45974	Ubiquitin carboxyl-terminal hydrolase 5	USP5	29.785	161200000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q16881;Q9NNW7	Thioredoxin reductase 1, cytoplasmic	TXNRD1	25.809	158340000
P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST	29.899	156760000
P55010	Eukaryotic translation initiation factor 5	EIF5	17.27	155200000
Q16186	Proteasomal ubiquitin receptor ADRM1	ADRM1	23.548	154360000
P05556	Integrin beta-1	ITGB1	32.39	150660000
P11766	Alcohol dehydrogenase class-3	ADH5	5.9509	150530000
P62829	60S ribosomal protein L23	RPL23	33.189	148540000
O15479	Melanoma-associated antigen B2	MAGEB2	12.316	146970000
P17655	Calpain-2 catalytic subunit	CAPN2	27.727	146680000
Q9Y5A9;Q7Z739	YTH domain-containing family protein 2; YTH domain-containing family protein 3	YTHDF2; YTHDF3	13.516	145120000
P61803	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit DAD1	DAD1	14.811	144860000
P59998	Actin-related protein 2/3 complex subunit 4	ARPC4	19.543	144770000
P33176;O60282;Q12840	Kinesin-1 heavy chain	KIF5B	40.204	144650000
Q16576	Histone-binding protein RBBP7	RBBP7	17.541	141160000
P54577	Tyrosine-tRNA ligase, cytoplasmic;Tyrosine-tRNA ligase, cytoplasmic, N-terminally processed	YARS	35.61	141140000
P67775;P62714	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform;Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	PPP2CA; PPP2CB	13.628	140700000
P26196	Probable ATP-dependent RNA helicase DDX6	DDX6	33.173	138000000
Q9Y383;Q9NQ29	Putative RNA-binding protein Luc7-like 2	LUC7L2	26.023	137830000
Q9UHB9	Signal recognition particle subunit SRP68	SRP68	16.049	136360000
Q08209;P16298;P48454	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform;Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform	PPP3CA; PPP3CB	24.892	135460000
P82933	28S ribosomal protein S9, mitochondrial	MRPS9	13.642	132240000
P28072	Proteasome subunit beta type-6	PSMB6	13.799	129500000
Q9Y5M8	Signal recognition particle receptor subunit beta	SRPRB	15.874	128720000
O60884	DnaJ homolog subfamily A member 2	DNAJA2	31.054	126820000
P56192	Methionine-tRNA ligase, cytoplasmic	MARS	32.391	126390000
P48556	26S proteasome non-ATPase regulatory subunit 8	PSMD8	24.521	124740000
P50995	Annexin A11	ANXA11	15.302	124540000
Q9HDC9	Adipocyte plasma membrane-associated protein	APMAP	15.314	123550000
P17980	26S protease regulatory subunit 6A	PSMC3	19.66	123420000
O75844	CAAX prenyl protease 1 homolog	ZMPSTE24	20.407	123200000
Q9NZB2	Constitutive coactivator of PPAR-gamma-like protein 1	FAM120A	22.364	121020000
Q7Z4W1	L-xylulose reductase	DCXR	14.604	119760000
P13804	Electron transfer flavoprotein subunit alpha, mitochondrial	ETFA	24.276	118090000
Q96G23	Ceramide synthase 2	CERS2	6.2357	117750000
Q9P2J5	Leucine-tRNA ligase, cytoplasmic	LARS	23.165	115320000
P27708	CAD protein;Glutamine-dependent carbamoyl-phosphate synthase;Aspartate carbamoyltransferase;Dihydroorotase	CAD	33.411	114600000
Q96P63	Serpin B12	SERPINB12	12.23	113220000
O43708	Maleylacetoacetate isomerase	GSTZ1	15.504	110950000
Q9H9B4	Sideroflexin-1	SFXN1	31.74	110910000
P32322	Pyroline-5-carboxylate reductase 1, mitochondrial	PYCR1	20.162	109700000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
P68402	Platelet-activating factor acetylhydrolase IB subunit beta	PAFAH1B2	22.713	105650000
Q96QK1	Vacuolar protein sorting-associated protein 35	VPS35	23.493	105560000
Q15370	Transcription elongation factor B polypeptide 2	TCEB2	19.428	105120000
O15260	Surfeit locus protein 4	SURF4	21.056	104890000
O76021	Ribosomal L1 domain-containing protein 1	RSL1D1	23.045	103400000
P09622	Dihydrolipoyl dehydrogenase, mitochondrial	DLD	24.418	102820000
Q7L576;Q96F07	Cytoplasmic FMR1-interacting protein 1; Cytoplasmic FMR1-interacting protein 2	CYFIP1; CYFIP2	12.726	102090000
Q9Y285	Phenylalanine-tRNA ligase alpha subunit	FARSA	34.987	101740000
Q14204	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1	36.975	99482000
P07951	Tropomyosin beta chain	TPM2	55.711	98347000
Q9NTK5	Obg-like ATPase 1	OLA1	20.638	97686000
Q9Y678;Q9UBF2	Coatomer subunit gamma-1	COPG1	32.168	97538000
O76094	Signal recognition particle subunit SRP72	SRP72	51.882	96993000
P28331	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUFS1	17.626	96582000
Q96CS3	FAS-associated factor 2	FAF2	18.015	95942000
Q86UE4	Protein LYRIC	MTDH	22.649	95625000
Q9GZT3	SRA stem-loop-interacting RNA-binding protein, mitochondrial	SLIRP	14.616	94979000
P47813;O14602	Eukaryotic translation initiation factor 1A, X-chromosomal;Eukaryotic translation initiation factor 1A, Y-chromosomal	EIF1AX; EIF1AY	5.9554	94625000
Q15836;P63027	Vesicle-associated membrane protein 3; Vesicle-associated membrane protein 2	VAMP3; VAMP2	7.6959	94570000
P19367	Hexokinase-1	HK1	15.07	93167000
P49748	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADVL	32.29	91446000
Q00765	Receptor expression-enhancing protein 5	REEP5	12.675	88644000
P68366	Tubulin alpha-4A chain	TUBA4A	7.9817	88137000
P31040	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	16.619	87724000
P63261	Actin, cytoplasmic 2;Actin, cytoplasmic 2, N-terminally processed	ACTG1	9.0297	85067000
Q9UDY4;P25685	DnaJ homolog subfamily B member 4;DnaJ homolog subfamily B member 1	DNAJB4; DNAJB1	6.3198	85043000
Q9NR31;Q9Y6B6	GTP-binding protein SAR1a;GTP-binding protein SAR1b	SAR1A; SAR1B	19.166	84921000
Q13813	Spectrin alpha chain, non-erythrocytic 1	SPTAN1	78.611	84593000
P49755	Transmembrane emp24 domain-containing protein 10	TMED10	13.986	83243000
P04350	Tubulin beta-4A chain	TUBB4A	20.325	83056000
P11177	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	PDHB	7.8596	82436000
P17812	CTP synthase 1	CTPS1	17.329	81859000
P43686	26S protease regulatory subunit 6B	PSMC4	35.566	81438000
Q9BYT1	Solute carrier family 17 member 9	SLC17A9	5.8256	80110000
P30740	Leukocyte elastase inhibitor	SERPINB1	17.516	78822000
Q59GN2;P62891	Putative 60S ribosomal protein L39-like 5; 60S ribosomal protein L39	RPL39P5; RPL39	7.4488	78256000
Q9NPH2	Inositol-3-phosphate synthase 1	ISYNA1	24.627	78025000
Q99536	Synaptic vesicle membrane protein VAT-1 homolog	VAT1	12.315	76217000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups				
Protein ID	Protein names	Gene names	Score	LFQ intensity C
P40939	Trifunctional enzyme subunit alpha, mitochondrial; Long-chain enoyl-CoA hydratase;Long chain 3-hydroxyacyl-CoA dehydrogenase	HADHA	23.902	74408000
P08243	Asparagine synthetase [glutamine-hydrolyzing]	ASNS	41.145	73525000
P13489	Ribonuclease inhibitor	RNH1	13.921	68627000
Q9NV17;Q5T2N8;Q5T9A4	ATPase family AAA domain-containing protein 3A; ATPase family AAA domain-containing protein 3C; ATPase family AAA domain-containing protein 3B	ATAD3A; ATAD3C; ATAD3B	21.777	67489000
P43034	Platelet-activating factor acetylhydrolase IB subunit alpha	PAFAH1B1	9.6074	67200000
A0A0C4DH73; A0A0C4DH72;P04432; P01611;P01597	Ig kappa chain V-I region Daudi;Ig kappa chain V-I region Wes;Ig kappa chain V-I region DEE	IGKV1-12; IGKV1-6	7.3278	65933000
P53621	Coatomer subunit alpha;Xenin;Proxenin	COPA	49.66	64818000
P61158	Actin-related protein 3	ACTR3	20.562	64407000
O15355	Protein phosphatase 1G	PPM1G	8.4042	63665000
Q13011	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	ECH1	19.48	63022000
Q15437;Q15436	Protein transport protein Sec23B;Protein transport protein Sec23A	SEC23B; SEC23A	15.91	61745000
Q8N163	Cell cycle and apoptosis regulator protein 2	CCAR2	15.379	61514000
P61026	Ras-related protein Rab-10	RAB10	9.007	60847000
P61758	Prefoldin subunit 3	VBP1	38.932	58684000
P19525	Interferon-induced, double-stranded RNA-activated protein kinase	EIF2AK2	11.8	58274000
O60716	Catenin delta-1	CTNND1	25.211	53321000
Q92552	28S ribosomal protein S27, mitochondrial	MRPS27	13.565	52093000
P26006	Integrin alpha-3;Integrin alpha-3 heavy chain; Integrin alpha-3 light chain	ITGA3	13.675	49971000
P23381	Tryptophan-tRNA ligase, cytoplasmic;T1-TrpRS; T2-TrpRS	WARS	7.8943	49351000
P23921	Ribonucleoside-diphosphate reductase large subunit	RRM1	13.277	48783000
P28838	Cytosol aminopeptidase	LAP3	8.2415	46972000
P35579	Myosin-9	MYH9	202.15	46248000
P61011	Signal recognition particle 54 kDa protein	SRP54	18.232	45354000
Q96HR9	Receptor expression-enhancing protein 6	REEP6	9.0442	43144000
P54707;P20648; REV__Q15772	Potassium-transporting ATPase alpha chain 2; Potassium-transporting ATPase alpha chain 1	ATP12A;ATP4A	5.8064	40291000
Q9BQG0	Myb-binding protein 1A	MYBBP1A	6.1191	38449000
O94952	F-box only protein 21	FBXO21	8.4275	34156000
P43246	DNA mismatch repair protein Msh2	MSH2	14.634	32804000
Q9Y277	Voltage-dependent anion-selective channel protein 3	VDAC3	6.7105	31239000
P06132	Uroporphyrinogen decarboxylase	UROD	10.884	30058000
Q5VYK3	Proteasome-associated protein ECM29 homolog	ECM29	11.928	28214000
Q15388	Mitochondrial import receptor subunit TOM20 homolog	TOMM20	6.9442	27524000
O94826	Mitochondrial import receptor subunit TOM70	TOMM70A	13.125	27506000
P35250	Replication factor C subunit 2	RFC2	6.0673	25338000
Q9BYD6	39S ribosomal protein L1, mitochondrial	MRPL1	5.8431	24542000
P52701	DNA mismatch repair protein Msh6	MSH6	8.0163	24059000
O43252	Bifunctional 3-phosphoadenosine 5-phosphosulfate synthase 1;Sulfate adenylyltransferase; Adenylyl-sulfate kinase	PAPSS1	11.093	24056000
Q9NRP0	Oligosaccharyltransferase complex subunit OSTC	OSTC	7.3947	23275000

Table SI. Continued.

C, Proteins identified from both the control and treatment groups

Protein ID	Protein names	Gene names	Score	LFQ intensity C
Q5T4S7	E3 ubiquitin-protein ligase UBR4	UBR4	7.7202	21577000
Q9NU22	Midasin	MDN1	7.2399	20992000
Q14919	Dr1-associated corepressor	DRAP1	5.9565	19964000
Q5H9R7	Serine/threonine-protein phosphatase 6 regulatory subunit 3	PPP6R3	7.3097	19031000
O60610	Protein diaphanous homolog 1	DIAPH1	8.2534	18838000
Q8TEX9	Importin-4	IPO4	7.6681	18108000
Q9NYT0	Pleckstrin-2	PLEK2	9.8331	17323000
Q15813	Tubulin-specific chaperone E	TBCE	8.1297	15091000
O14976	Cyclin-G-associated kinase	GAK	8.0387	11994000

C, control; T, treatment.