

**Table S1. List of differentially expressed proteins**

Accession Number	Protein Name	Gene Symbol	C4 /LNCaP	C4-2 /LNCaP	C4-2B /LNCaP
P05106	Integrin beta-3	ITGB3	0.78	1.50	2.00
O60716	Catenin delta-1	CTNND1	1.10	1.58	1.94
P35221	Catenin alpha-1	CTNNA1	0.97	1.51	1.77
P02765	Alpha-2-HS-glycoprotein	AHSG	0.96	1.19	1.71
P19440	Gamma-glutamyltranspeptidase 1	GGT1	0.82	1.56	1.63
P61224	Ras-related protein Rap-1b	RAP1B	0.75	1.25	1.58
P62258	14-3-3 protein epsilon	YWHAE	1.66	1.29	1.54
P53985	Monocarboxylate transporter 1	SLC16A1	1.13	1.56	1.51
P04406	Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	1.51	1.28	1.41
Q86X29	Lipolysis-stimulated lipoprotein receptor	LSR	0.58	1.24	1.41
Q8TDB8	Solute carrier family 2, facilitated glucose transporter member 14	SLC2A14	0.93	1.08	1.41
P08514	Integrin alpha-IIb	ITGA2B	0.85	1.31	1.39
P00742	Coagulation factor X	F10	0.90	1.11	1.33
P21333	Filamin-A	FLNA	0.78	1.13	1.29
P07195	L-lactate dehydrogenase B chain	LDHB	1.46	1.21	1.27
P12277	Creatine kinase B-type	CKB	0.89	1.16	1.26
O00159	Myosin-Ic	MYO1C	0.90	1.33	1.26
P01024	Complement C3	C3	1.11	1.34	1.26
P13224	Platelet glycoprotein Ib beta chain	GP1BB	0.89	1.17	1.24
P08758	Annexin A5	ANXA5	0.74	0.99	1.22
P35222	Catenin beta-1	CTNNB1	0.82	1.27	1.21
Q04917	14-3-3 protein eta	YWHAH	1.05	1.24	1.21
P04899	Guanine nucleotide-binding protein G(i) subunit alpha-2	GNAI2	1.09	1.11	1.20
P00533	Epidermal growth factor receptor	EGFR	0.95	1.16	1.19
Q5ZPR3	CD276 antigen	CD276	0.95	1.01	1.19
P49327	Fatty acid synthase	FASN	1.43	1.20	1.18
P54709	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3	1.42	0.97	1.18
P01023	Alpha-2-macroglobulin	A2M	0.80	1.41	1.18
P31946	14-3-3 protein beta/alpha	YWHAB	1.14	1.27	1.18
Q92928	Putative Ras-related protein Rab-1C	RAB1C	1.02	1.03	1.17
P52565	Rho GDP-dissociation inhibitor 1	ARHGDI	1.18	1.18	1.17
Q5JWF2	Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLAs	GNAS	0.96	1.12	1.15
P06744	Glucose-6-phosphate isomerase	GPI	1.07	1.07	1.13
P20742	Pregnancy zone protein	PZP	0.96	1.42	1.12
Q9NZN3	EH domain-containing protein 3	EHD3	0.92	1.05	1.11
P06396	Gelsolin	GSN	0.84	1.09	1.11
P61981	14-3-3 protein gamma	YWHAG	1.15	1.10	1.10
P04792	Heat shock protein beta-1	HSPB1	1.08	1.11	1.10
P84077	ADP-ribosylation factor 1	ARF1	1.07	0.94	1.10
P50995	Annexin A11	ANXA11	1.03	0.95	1.10
P01111	GTPase NRas	NRAS	1.05	1.00	1.10
P26038	Moesin	MSN	0.98	1.03	1.09
P62937	Peptidyl-prolyl cis-trans isomerase A	PPIA	1.41	0.98	1.09
P02787	Serotransferrin	TF	1.00	0.99	1.09
P35613-2	Isoform 2 of Basigin	BSG	0.98	1.04	1.07
P68871	Hemoglobin subunit beta	HBB	0.99	0.96	1.07
P14174	Macrophage migration inhibitory factor	MIF	1.20	1.03	1.07
P63104	14-3-3 protein zeta/delta	YWHAZ	0.99	1.07	1.06
Q15907	Ras-related protein Rab-11B	RAB11B	0.99	1.05	1.06
Q00796	Sorbitol dehydrogenase	SORD	0.96	0.99	1.06
Q9H5V8	CUB domain-containing protein 1	CDCP1	1.16	1.05	1.06
Q01650	Large neutral amino acids transporter small subunit 1	SLC7A5	0.63	1.12	1.06
P62070	Ras-related protein R-Ras2	RRAS2	0.93	1.09	1.06
P60953-2	Isoform Placental of Cell division control protein 42 homolog	CDC42	1.03	1.06	1.06
P04075	Fructose-bisphosphate aldolase A	ALDOA	0.91	1.10	1.05
P69905	Hemoglobin subunit alpha	HBA1	0.96	0.98	1.05
P02749	Beta-2-glycoprotein 1	APOH	0.86	0.91	1.05
P11166	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1	0.98	0.97	1.04
P61586	Transforming protein RhoA	RHOA	1.04	1.01	1.04
P12259	Coagulation factor V	F5	0.98	1.00	1.04
P14923	Junction plakoglobin	JUP	1.00	0.97	1.03
P11233	Ras-related protein Ral-A	RALA	0.96	1.01	1.03
P07737	Profilin-1	PFN1	1.07	0.98	1.03
P49006	MARCKS-related protein	MARCKSL1	1.05	1.00	1.03
P35241	Radixin	RDX	1.01	1.00	1.03

P60174	Triosephosphate isomerase	TPI1	1.04	1.02	1.02
P05556	Integrin beta-1	ITGB1	0.97	0.96	1.02
O14672	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10	0.97	1.03	1.02
P0C0L5	Complement C4-B	C4B	1.08	1.06	1.02
P60981	Destrin	DSTN	1.10	0.90	1.02
Q14126	Desmoglein-2	DSG2	1.01	0.96	1.01
P16422	Epithelial cell adhesion molecule	EPCAM	1.03	0.98	1.01
P63000	Ras-related C3 botulinum toxin substrate 1	RAC1	0.98	1.03	1.01
Q9Y490	Talin-1	TLN1	0.90	0.96	1.01
P00734	Prothrombin	F2	0.90	0.96	1.01
P14618	Pyruvate kinase isozymes M1/M2	PKM2	1.06	1.00	1.00
P62879	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	GNB2	0.93	0.97	1.00
P20073	Annexin A7	ANXA7	1.13	0.97	1.00
P04083	Annexin A1	ANXA1	0.85	1.07	1.00
Q08722	Leukocyte surface antigen CD47	CD47	0.96	1.01	1.00
P06733	Alpha-enolase	ENO1	1.08	0.99	0.99
P02786	Transferrin receptor protein 1	TFRC	1.10	1.06	0.99
Q8IWA5-2	Isoform B of Choline transporter-like protein 2	SLC44A2	0.90	1.04	0.99
Q9Y446	Plakophilin-3	PKP3	0.91	1.01	0.99
P51149	Ras-related protein Rab-7a	RAB7A	1.04	1.06	0.99
P00558	Phosphoglycerate kinase 1	PGK1	1.04	0.99	0.99
P23634	Plasma membrane calcium-transporting ATPase 4	ATP2B4	0.97	0.96	0.99
P05023	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	1.54	0.96	0.98
P07900	Heat shock protein HSP 90-alpha	HSP90AA1	1.07	0.95	0.98
P18206	Vinculin	VCL	0.97	0.90	0.98
P23528	Cofilin-1	CFL1	1.06	0.89	0.98
P15311	Ezrin	EZR	1.05	0.97	0.98
P50395	Rab GDP dissociation inhibitor beta	GDI2	1.07	0.98	0.98
P32119	Peroxiredoxin-2	PRDX2	1.02	0.97	0.98
P13639	Elongation factor 2	EEF2	1.04	0.96	0.97
P62330	ADP-ribosylation factor 6	ARF6	0.99	0.83	0.97
Q9UNF0	Protein kinase C and casein kinase substrate in neurons protein 2	PACSIN2	1.01	0.91	0.97
Q9P2B2	Prostaglandin F2 receptor negative regulator	PTGFRN	0.93	0.96	0.96
P08238	Heat shock protein HSP 90-beta	HSP90AB1	0.90	0.92	0.96
O15394	Neural cell adhesion molecule 2	NCAM2	0.98	0.96	0.96
Q969P0	Immunoglobulin superfamily member 8	IGSF8	1.04	0.91	0.96
P12830	Cadherin-1	CDH1	1.09	1.08	0.96
P02751	Fibronectin	FN1	0.10	2.11	0.96
P09543	2',3'-cyclic-nucleotide 3'-phosphodiesterase	CNP	0.96	0.93	0.96
Q8NFT2	Metalloreductase STEAP2	STEAP2	1.04	0.96	0.95
P31939	Bifunctional purine biosynthesis protein PURH	ATIC	0.94	0.88	0.95
P05026	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1	0.90	0.91	0.94
P62873	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	GNB1	0.91	0.99	0.94
P50502	Hsc70-interacting protein	ST13	1.06	0.87	0.94
Q12846	Syntaxin-4	STX4	0.96	1.05	0.94
P08473	Nephrilysin	MME	0.27	0.90	0.93
P22392-2	Isoform NM23-LV of Nucleoside diphosphate kinase B	NME2	1.19	1.04	0.93
P11940	Polyadenylate-binding protein 1	PABPC1	0.98	0.88	0.93
P08133	Annexin A6	ANXA6	0.96	0.91	0.92
P02748	Complement component C9	C9	0.82	0.99	0.91
P68104	Elongation factor 1-alpha 1	EEF1A1	1.46	0.78	0.90
P55072	Transitional endoplasmic reticulum ATPase	VCP	0.92	0.85	0.90
P60842	Eukaryotic initiation factor 4A-I	EIF4A1	1.00	0.92	0.90
P60660	Myosin light polypeptide 6	MYL6	1.10	0.94	0.90
P62158	Calmodulin	CALM1	0.98	0.93	0.90
P10599	Thioredoxin	TXN	1.14	0.86	0.90
P08195	4F2 cell-surface antigen heavy chain	SLC3A2	0.63	0.96	0.88
O43175	D-3-phosphoglycerate dehydrogenase	PHGDH	1.04	0.94	0.88
P27348	14-3-3 protein theta	YWHAQ	1.12	0.95	0.87
P63261	Actin, cytoplasmic 2	ACTG1	0.77	0.93	0.86
P61026	Ras-related protein Rab-10	RAB10	0.88	0.94	0.86
P68371	Tubulin beta-2C chain	TUBB2C	1.11	0.83	0.83
O75340	Programmed cell death protein 6	PDCD6	1.09	0.79	0.82
P51153	Ras-related protein Rab-13	RAB13	0.79	0.82	0.82
Q9UHE8	Metalloreductase STEAP1	STEAP1	0.90	0.79	0.81
Q06830	Peroxiredoxin-1	PRDX1	1.12	0.55	0.78
Q99880	Histone H2B type 1-L	HIST1H2BL	1.10	1.07	0.78
Q15758	Neutral amino acid transporter B(0)	SLC1A5	0.97	0.79	0.77

Q04609	Glutamate carboxypeptidase 2	FOLH1	1.21	0.71	0.73
O00560	Syntenin-1	SDCBP	0.80	0.72	0.72
O00560-2	Isoform 2 of Syntenin-1	SDCBP	0.74	0.77	0.72
Q00610	Clathrin heavy chain 1	CLTC	0.69	1.36	0.70
P68363	Tubulin alpha-1B chain	TUBA1B	0.95	0.61	0.65
P21926	CD9 antigen	CD9	0.43	0.71	0.64
Q9BTM1	Histone H2A.J	H2AFJ	1.61	2.11	0.63
P04004	Vitronectin	VTN	1.63	1.34	0.62
Q8WUM4	Programmed cell death 6-interacting protein	PDCD6IP	0.81	0.52	0.61
P08107	Heat shock 70 kDa protein 1A/1B	HSPA1A	0.60	0.63	0.60
P29966	Myristoylated alanine-rich C-kinase substrate	MARCKS	1.42	0.57	0.56
Q08431	Lactadherin	MFGE8	1.17	0.42	0.54
P11142	Heat shock cognate 71 kDa protein	HSPA8	0.85	0.40	0.49
Q9BUD6	Spondin-2	SPON2	3.08	0.91	0.48
P62988	Ubiquitin	RPS27A	0.74	0.44	0.47
O75131	Copine-3	CPNE3	0.99	0.56	0.46
P62805	Histone H4	HIST1H4A	1.49	2.42	0.42
P07437	Tubulin beta chain	TUBB	0.77	0.30	0.29
P13645	Keratin, type I cytoskeletal 10	KRT10	0.05	0.39	0.16
P04264	Keratin, type II cytoskeletal 1	KRT1	0.06	0.22	0.10